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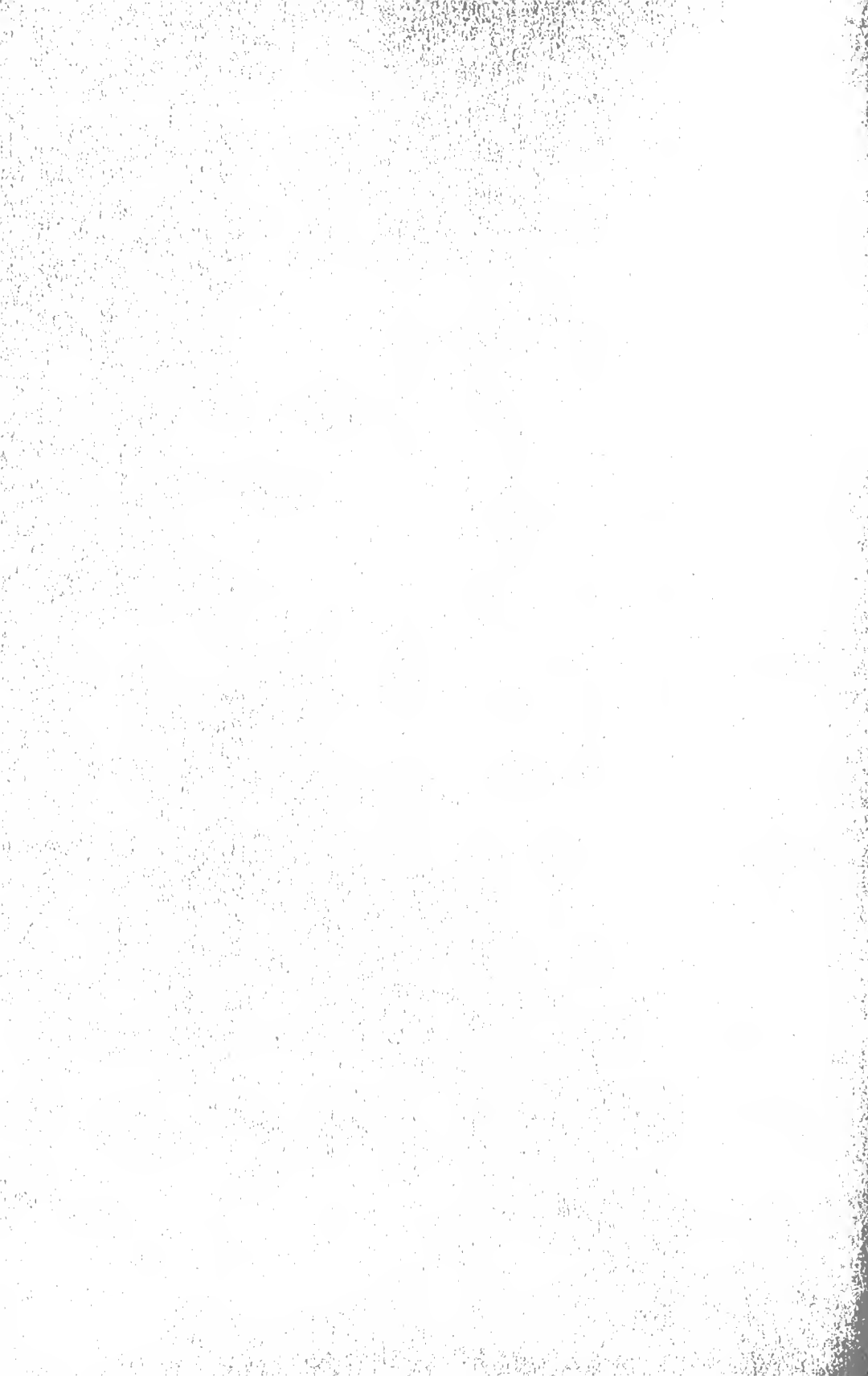
CATALOGUE OF TYPE AND REFERRED SPECIMENS OF FOSSIL CORALS IN FIELD MUSEUM OF NATURAL HISTORY

PHYLLIS N. WINDLE

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MATTHEW H. NITECKI

OCTOBER 19, 1973



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A Continuation of the

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VOLUME 32



FIELD MUSEUM OF NATURAL HISTORY
CHICAGO, U.S.A.

CATALOGUE OF TYPE AND REFERRED SPECIMENS
OF FOSSIL CORALS
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CATALOGUE OF TYPE AND REFERRED SPECIMENS OF FOSSIL CORALS IN FIELD MUSEUM OF NATURAL HISTORY

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INTRODUCTION

This is a catalogue of type and referred specimens of fossil corals in Field Museum of Natural History. Those prefixed by UC are on permanent loan from the Walker Museum of Paleontology of the University of Chicago. Others in Field Museum's collection are distinguished by the prefix P or PE. Artificial casts of types are included, when possible with the depository and catalogue number of the original specimen.

Consistent with previous catalogues, only holotypes are recognized as valid types. When the holotype was designated by other than the original author it is so indicated. It is also noted when Field Museum holds the original material, (the "cotypes"), upon which the species has been based but when no holotype has been chosen. Any other so-called types are listed as *Referred Specimens*.

Entries are made in their initially published form and are ordered alphabetically by genera, then by species within the genus. An attempt is made to note all subsequent published name changes. When the change was made but without the use of Field Museum specimens, this information is given in the "*Remarks*." Each entry also includes the stratigraphic position and locality as found in the Museum files, supplemented by the authors' publications. When available, the collection or collector's name is given. The missing specimens are not noted.

CATALOGUE OF SPECIMENS

Acervularia bassleri Webster and Fenton, 1924

Cast of Holotype: UC 26096; 1 specimen.

Fenton, C. L. and M. A. Fenton, 1924, pp. 58–59, pl. 14, fig. 4.

Cast of Referred Specimen: UC 26100; 1 specimen.

Fenton, C. L. and M. A. Fenton, 1924, pp. 58–59, pl. 13, fig. 2.

Cast of Referred Specimen: UC 26101; 1 specimen.

Fenton, C. L. and M. A. Fenton, 1924, pp. 58–59, pl. 14, fig. 5.

= *Primatophyllum bassleri* (Webster and Fenton, 1924)

Walker Museum Catalogue.

= *Hexagonaria bassleri* (Webster and Fenton, 1924)

Cast of Holotype: UC 26096; 1 specimen.

Stumm, E. C., 1955, cards 161–162, fig. 4.

Cast of Referred Specimen: UC 26100; 1 specimen.

Stumm, E. C., 1955, cards 161–162, fig. 2.

Cast of Referred Specimen: UC 26101; 1 specimen.

Stumm, E. C., 1955, cards 161–162, fig. 5.

Devonian, Owen Beds, Hackberry Stage.

Owen Grove, Iowa.

Fenton Collection.

Remarks: The specimens from which the casts and figures were made are in the C. L. Webster Collection.

Acervularia bassleri depressa Webster and Fenton, 1924

Cast of Holotype: UC 26102; 1 specimen.

Fenton, C. L. and M. A. Fenton, 1924, p. 60, pl. 12, fig. 1.

= *Primatophyllum bassleri depressa* (Webster and Fenton, 1924)

Walker Museum Catalogue.

= *Hexagonaria bassleri depressa* (Webster and Fenton, 1924)

Stumm, E. C., 1955, card 180, fig. 1.

Devonian, Hackberry Shale.

Owen Grove, Cerro Gordo County, Iowa.

Fenton Collection.

Remarks: Specimen from which the cast and figure were made is in the C. L. Webster Collection.

Acervularia bassleri magna Webster and Fenton, 1924

Cast of Holotype: UC 26103; 1 specimen.

Fenton, C. L. and M. A. Fenton, 1924, p. 61, pl. 14, fig. 6.

= *Prismatophyllum bassleri magna* (Webster and Fenton, 1924)

Walker Museum Catalogue.

= *Hexagonaria bassleri magna* (Webster and Fenton, 1924)

Stumm, E. C., 1955, card 191, fig. 6.

Devonian, Hackberry Shale.

Owen Grove, Cerro Gordo County, Iowa.

Fenton Collection.

Remarks: Specimen from which the cast and figure were made is in the C. L. Webster Collection.

Acervularia inequalis Hall and Whitfield, 1873

Referred Specimen: UC 26048; 1 specimen.

Fenton, C. L. and M. A. Fenton, 1924, pp. 56-57.

Cast of Referred Specimen: UC 26104; 1 specimen.

Fenton, C. L. and M. A. Fenton, 1924, pp. 56-57, pl. 14, fig. 7.

= *Prismatophyllum inequalis* (Hall and Whitfield, 1873)

Walker Museum Catalogue.

= *Hexagonaria inequalis* (Hall and Whitfield, 1873)

Referred Specimen: UC 26048; 1 specimen.

Stumm, E. C., 1955, cards 184-185.

Cast of Referred Specimen: UC 26104; 1 specimen.

Stumm, E. C., 1955, cards 184-185, fig. 7.

Devonian, Hackberry Shale, *Spirifer* Zone.

Hackberry Grove, Cerro Gordo County, Iowa.

Fenton Collection.

Remarks: Specimen from which figure and cast were made is in the C. L. Webster Collection.

Acervularia whitfieldi Fenton and Fenton, 1924

Referred Specimen: UC 26055, 1 specimen in 2 pieces.

Fenton, C. L. and M. A. Fenton, 1924, pp. 57-58, pl. 14, figs. 1-2.

= *Prismatophyllum whitfieldi* (Fenton and Fenton, 1924)
Walker Museum Catalogue.

= *Hexagonaria whitfieldi* (Fenton and Fenton, 1924)
Stumm, E. C., 1955, card 224, figs. 1-2.

Devonian, Hackberry Shale, *Spirifer* Zone.

Rockford, Iowa.

Fenton Collection.

Alveolites expansa U. P. James, 1879

Holotype not designated; to be chosen from:

UC 2395; 2 specimens.

James, U. P., 1879a, p. 19.

= *Ceramopora expansa* (U. P. James, 1879)

Foerste, A. F., 1887, pp. 169-170.

Foerste, A. F., 1888, p. 17, fig. 13 [plates not seen].

= *Ceramopora* (?) *expansa* (U. P. James, 1879)

Bassler, R. S., 1915, p. 192.

Silurian, Brassfield (Upper Medinan).

Near Wilmington, Clinton County, Ohio.

U. P. James Collection.

Alveolites (?) **granulosa** U. P. James, 1875

Holotype: UC 2250; 1 specimen in 2 pieces and 2 slides.

James, U. P., 1875, p. 2.

Miller, S. A., 1889, p. 171.

James, J. F., 1893, p. 148, text figs. 9a-c.

= *Stromatocerium huronense* Billings, 1865

Parks, 1910, p. 312, pl. 22, figs. 4-10, pl. 23, fig. 5.

Bassler, R. S., 1915, pp. 28, 1, 213.

= *Stromatocerium granulolum* (U. P. James, 1875)

Foerste, 1916, pp. 299-301, pl. 1, fig. 1.

Ordovician, "Upper part of Cincinnati Group."

Near Clarkesville, Ohio.

U. P. James Collection.

Remarks: The specimen was cut and sectioned since illustrated.

James, J. F., 1893, p. 148, and Bassler, R. S., 1915, p. 1, 213,
list the specimen as *Alveolites granulolum*, James, 1872 and
refer to Cat. Foss. Cincinnati Group, 1872, p. 2 [not seen].

Alveolites rockfordensis Hall and Whitfield, 1872 [not 1873]

Referred Specimen: UC 26056; 1 specimen in 2 pieces.

Fenton, C. L. and M. A. Fenton, 1924, p. 61, pl. 13, fig. 1.

Upper Devonian, Hackberry Stage.

Clay Pit, Rockford, Iowa.

Fenton Collection.

Amplexiphyllum tenue (Hall, 1882)

See: *Streptelasma tenue* Hall, 1882.

Amplexus brevis S. Weller, 1909

Holotype not designated; to be chosen from:

UC 13913a; 1 specimen.

Weller, S., 1909, p. 271, pl. 10, fig. 26.

UC 13913b; 1 specimen.

Weller, S., 1909, p. 271, pl. 10, fig. 27.

UC 13913c; 1 specimen.

Weller, S., 1909, p. 271, pl. 10, fig. 28.

UC 13913d; 1 specimen.

Weller, S., 1909, p. 271, pl. 10, fig. 29.

UC 13913; 4 specimens.

Weller, S., 1909, p. 271.

Mississippian, Fern Glen Limestone.

Railroad cut a little over 1 mile south of Kimmswick, Jefferson County, Missouri.

S. Weller Collection, 1898.

Amplexus cinctutus S. A. Miller, 1893

Holotype: UC 6055; 1 specimen.

Miller, S. A., 1893, pp. 259-260, pl. 1, fig. 5.

Silurian, Niagara Group.

St. Paul, Indiana.

Gurley Collection.

Amplexus corrugatus Mather, 1915

Holotype: UC 16166; 1 specimen.

Mather, K. F., 1915, pp. 90-91, pl. 1, fig. 8.

Referred Specimen: UC 16167a; 1 specimen.

Mather, K. F., 1915, pp. 90-91, pl. 1, fig. 9.

Referred Specimen: UC 16167b; 1 specimen.
 Mather, K. F., 1915, pp. 90–91.
 Pennsylvanian, Brentwood Limestone.
 Sawney Hollow, Oklahoma, Station 210.
 Mather Collection.

Amplexus geniculatus Worthen, 1890

Referred Specimen: UC 25337a; 1 specimen.
 Weller, S., 1920, p. 314, pl. 5, fig. 32.
 Referred Specimen: UC 25337b; 1 specimen.
 Weller, S., 1920, p. 314, pl. 5, fig. 33.
 Referred Specimen: UC 25337; 1 slide.
 Weller, S., 1920, p. 314.
 Mississippian, Shelterville Formation.
 Fairview Bluff, Hardin County, Illinois.
 S. Weller Collection, 1903.

Amplexus (?) rockfordensis Miller and Gurley, 1897

Holotype: UC 6338; 1 specimen in 2 pieces.
 Miller, S. A., and W. F. Gurley, 1897, p. 53, pl. 3, figs. 22–23.
 Easton, W. H., 1944a, pp. 48–49, pl. 17, fig. 15.
 Mississippian, Kinderhook Formation.
 Rockford, Indiana.
 Gurley Collection.

Amplexus rugosus S. Weller, 1909

Holotype not designated; to be chosen from:
 UC 4703a; 1 specimen.
 Weller, S., 1909, p. 271, pl. 10, fig. 22.
 UC 4703b; 1 specimen.
 Weller, S., 1909, p. 271, pl. 10, fig. 23.
 UC 4703c; 1 sectioned specimen.
 Weller, S., 1909, p. 271, pl. 10, fig. 24.
 UC 4703d; 1 specimen.
 Weller, S., 1909, p. 271, pl. 10, fig. 25.
 UC 4703; 6 specimens.
 Weller, S., 1909, p. 271.
 Mississippian, Fern Glen Limestone.

Railroad cut a little over 1 mile south of Kimmswick, Jefferson County, Missouri.

S. Weller Collection, 1896.

UC 31645; 35 specimens and 2 slides.

Weller, S., 1909, p. 271.

Mississippian, Fern Glen Limestone. Shale member.

Sulphur Springs, Missouri.

S. Weller Collection, 1896.

Amplexus sp.

Referred Specimen: UC 48277; 1 specimen.

Easton, 1942, p. 84, pl. 1, figs. 5, 6.

Upper Mississippian, Pitkin Limestone.

Northern Arkansas.

Easton Collection.

Arachnophyllum mamillare-wilmingtonensis Foerste, 1906

See: *Lyellia striata*, U. P. James, 1878.

Arachnophyllum separatum (Ulrich, 1886)

Referred Specimen: UC 51981; 1 specimen.

Stumm, E. C., 1964, p. 31, figs. 3, 4.

Silurian, Niagaran Group.

Louisville, Kentucky.

Asthenophyllum orthoseptatum Grubbs, 1939

Holotype: UC 46014; 1 specimen and 1 slide.

Grubbs, D. M., 1939, p. 547, pl. 61, figs. 17-18.

Referred Specimens: UC 46015; 5 specimens and 1 slide.

Grubbs, D. M., 1939, p. 547, pl. 61, figs. 14-16.

Silurian, Niagaran Group.

Federal Stone Quarry, Chicago, Illinois.

Grubbs Collection.

Aulacophyllum bilaterale Hall, 1882

Holotype: designated by E. C. Stumm, 1964, p. 50: UC 11862; 1 specimen.

Hall, James, 1882, p. 25.

Hall, James, 1884, p. 429, pl. 27, fig. 5.

Stumm, E. C., 1951, card 53, fig. 5.

= *Heliophyllum alternatum* Hall, 1882

Hall, James, 1883b, pl. 24, fig. 5.

= *Blothrophyllum triscultatum* (Hall, 1882)

Stumm, E. C., 1964, p. 50, pl. 34, figs. 12, 13.

Middle Devonian, Jeffersonville Limestone.

Falls of the Ohio.

Hall Collection.

***Aulacophyllum bilaterale* Sloss, 1939**

Holotype: UC 38710a; 1 peel.

Sloss, L. L., 1939, p. 64, pl. 9, fig. 18.

Holotype: UC 38710b; 1 peel.

Sloss, L. L., 1939, p. 64, pl. 9, fig. 19.

Holotype: UC 38710c; 1 peel.

Sloss, L. L., 1939, p. 64, pl. 9, fig. 20.

Referred Specimens: UC 38710; 5 pieces of 1 specimen, 4 additional specimens, and 15 peels.

Sloss, L. L., 1939, p. 64.

= *Aulacophyllum symmetricum* Sloss, 1951

Sloss, L. L., 1951, p. 415.

Stumm, E. C., 1951, card 52.

= *Aulacophyllum hemicrassatum* Sloss, 1939

Stumm, E. C., 1963, p. 142, pl. 10, fig. 8 (UC 38710b).

Middle Devonian, Traverse Formation.

U.S. Highway 31, 200 yards east of intersection of Michigan Highway 131; NE $\frac{1}{4}$ of NW $\frac{1}{4}$ sec. 34, T. 35 N., R. 5 W., Emmet County, Michigan.

Sloss Collection.

***Aulacophyllum hemicrassatum* Sloss, 1939**

Holotype: UC 38709a; 1 peel.

Sloss, L. L., 1939, pp. 64-65, pl. 9, fig. 9, text fig. 6.

Stumm, E. C., 1951, card 57.

Stumm, E. C., 1963, p. 142.

Holotype: UC 38709b; 1 peel.

Sloss, L. L., 1939, pp. 64-65, pl. 9, fig. 10.

Stumm, E. C., 1951, card 57.

Stumm, E. C., 1963, p. 142.

Referred Specimens: UC 38709; 4 pieces of 1 specimen and 6 peels.

Sloss, 1939, pp. 64-65.

Stumm, E. C., 1951, card 57.

Stumm, E. C., 1963, p. 142.

Middle Devonian, Traverse Beds.

U.S. Highway 31, 200 yards east of intersection of Michigan Highway 131, NE $\frac{1}{4}$ of NW $\frac{1}{4}$ sec. 34, T. 35 N., R. 5 W., Emmet County, Michigan.

Sloss Collection.

See also: *Aulacophyllum bilaterale* Sloss, 1939.

Aulacophyllum mesodilatatum Sloss, 1939.

***Aulacophyllum mesodilatatum* Sloss, 1939**

Holotype: UC 38704a; 1 peel.

Sloss, L. L., 1939, p. 65, pl. 9, fig. 13.

Stumm, E. C., 1951, card 59, fig. 13.

Holotype: UC 38704b; 1 specimen in 2 pieces.

Sloss, L. L., 1939, p. 65, pl. 9, figs. 11, 12.

Stumm, E. C., 1951, card 59, figs. 11, 12.

Referred Specimens: UC 38704; 5 peels.

Sloss, L. L., 1939, p. 65.

Stumm, E. C., 1951, card 59.

= *Aulacophyllum hemicrassatum* Sloss, 1939

Stumm, E. C., 1963, p. 142, pl. 2, fig. 5 (UC 38704b).

Middle Devonian, Traverse Beds, Gravel Point Zone.

Bell Quarry, 2.3 miles east of Charlevoix County line on U.S. Highway 31. NE $\frac{1}{4}$ sec. 8, T. 34 N., R. 6 W., Emmet County, Michigan.

Sloss Collection.

***Aulacophyllum poculum* Hall, 1882**

Holotype: UC 35890; 1 specimen. Designated by Stumm, E.C., 1964, p. 49.

Hall, James, 1882, p. 25.

Hall, James, 1883b, p. 283, pl. 18, figs. 2-4.

Hall, James, 1884, p. 429, pl. 27, figs. 13, 14.

Stumm, E. C., 1951, card 65, figs. 2-4, 13, 14.

=*Blothrophyllum tripinnatum* Hall, 1882

Stumm, E. C., 1964, p. 49, pl. 47, figs. 11, 12.

Middle Devonian, Jeffersonville Limestone.

Falls of the Ohio.

Hall Collection.

***Aulacophyllum reflexum* Hall, 1882**

Holotype, designated by E. C. Stumm, 1964, p. 21: UC 35891;
1 specimen.

Hall, James, 1882, p. 24.

Hall, James, 1883b, p. 284, pl. 18, figs. 5-7.

Hall, James, 1884, p. 428, pl. 27, figs. 3, 4.

Stumm, E. C., 1951, card 69, figs. 3-7.

= *Heterophrentis rafinesqui* (Edwards and Haime, 1851)

Stumm, E. C., 1964, p. 21, pl. 11, figs. 10, 11.

Devonian, Jeffersonville Limestone.

Falls of the Ohio.

Hall Collection.

***Aulacophyllum symmetricum* Sloss, 1951**

See: *Aulacophyllum bilaterale* Sloss, 1939.

***Aulacophyllum tripinnatum* Hall, 1882**

Holotype: UC 35892; 1 specimen. Designated by Stumm, E. C.,
1964, p. 49.

Hall, James, 1882, p. 25.

Hall, James, 1883b, p. 285, pl. 22, figs. 8, 9.

Hall, James, 1884, p. 429, pl. 27, figs. 11, 12.

Stumm, E. C., 1951, card 72, figs. 8, 9.

=*Blothrophyllum tripinnatum* Hall, 1882

Stumm, E. C., 1964, p. 49, pl. 47, figs. 9, 10.

Middle Devonian, Jeffersonville Limestone.

Falls of the Ohio.

Hall Collection.

***Aulocaulis expansus* (Fenton and Fenton, 1924)**

See: *Aulopora expansa* Fenton and Fenton, 1924

***Aulopora conferta* Winchell, 1866**

Referred Specimen: UC 25978; 1 specimen.

Fenton, M. A., 1937, p. 117, pl. 1, fig. 3.

Fenton, C. L. and M. A. Fenton, *in* Stumm, E. C., ed., 1947, card 14, fig. 3.

Referred Specimen: UC 25973; 1 specimen.

Fenton, M.A., 1937, p. 117.

Fenton, C. L. and M. A. Fenton, *in* Stumm, E. C., ed., 1947, card 14.

Devonian, Traverse Group, Gravel Point Stage.

Bell Quarry, Emmet County, Michigan.

Slocum Collection.

See also: *Aulopora michiganensis* M. A. Fenton, 1937.

Aulopora expansa Fenton and Fenton, 1924

Holotype: UC 26021; 1 specimen.

Fenton, C. L. and M. A. Fenton, 1924, p. 67, pl. 16, fig. 10.

= *Aulocaulis expansus* (Fenton and Fenton, 1924)

Fenton, C. L. and M. A. Fenton, *in* Stumm, E. C., ed., 1947, card 4, fig. 10.

Fenton, M. A. and C. L. Fenton, 1937, pp. 119–120, fig. 2.

Upper Devonian, Hackberry Stage, Lower Owen Member.

Southeast of Hackberry Grove, Cerro Gordo County, Iowa.

Fenton Collection.

Aulopora michiganensis M. A. Fenton, 1937

Referred Specimen: UC 25974; 1 specimen.

Fenton, M. A., 1937, p. 118.

Fenton, C. L. and M. A. Fenton, *in* Stumm, E. C., ed., 1947, card 30.

= *Aulopora conferta* Winchell, 1866

Watkins, J. L., 1959, p. 804.

Devonian, Traverse Group, Gravel Point Stage.

Bell Quarry, Emmet County, Michigan.

Slocum Collection.

Aulopora paucitabulata Fenton and Fenton, 1924

Referred Specimen: UC 26029; 1 specimen.

Fenton, C. L. and M. A. Fenton, 1924, p. 68–69.

Fenton, C. L. and M. A. Fenton, *in* Stumm, E. C., ed., 1947, card 35.

Upper Devonian, Hackberry Stage, Upper *Spirifer* Zone.
 Hackberry Grove, Cerro Gordo County, Iowa.
 Fenton Collection.

Aulopora iowaensis Hall and Whitfield, 1872 [not 1873]

Referred Specimen: UC 26047; 1 specimen.

Fenton, C. L. and M. A. Fenton, 1924, p. 65, pl. 16, fig. 2.

Fenton, C. L. and M. A. Fenton, *in* Stumm, E. C., ed., 1947,
 card 27, fig. 2.

Upper Devonian, Hackberry Stage, *Spirifer* Zone.
 Hackberry Grove, Cerro Gordo County, Iowa.
 Fenton Collection.

Aulopora saxivadens Hall and Whitfield, 1872 [not 1873]

See: *Aulopora saxivadum* Hall and Whitfield, 1872

Aulopora saxivadum Hall and Whitfield, 1872 [not 1873]

Cast of Holotype: UC 26083; 1 specimen.

Hall, James and R. P. Whitfield, 1872, p. 16, pl. 10, fig. 6.

Hall, James and R. P. Whitfield, 1873, p. 235, pl. 10, fig. 6.

= *Aulopora saxivadens* Hall and Whitfield, 1872 [not 1873]

Fenton, C. L. and M. A. Fenton, *in* Stumm, E. C., ed., 1947,
 card 36, fig. 6.

Upper Devonian, Hackberry Stage.
 Hackberry Grove, near Rockford, Iowa.
 Fenton Collection.

Remarks: The specimen from which the cast and figure were made
 is New York State Museum no. 3042/1.

***Aulopora* sp.**

Referred Specimen: UC 16165; 1 specimen.

Mather, K. F., 1915, p. 98, pl. 1, fig. 6

Pennsylvanian, Morrow Formation.

Fort Gibson, Oklahoma, Station 301.

Mather Collection.

***Aulopora* (?) sp.**

Referred Specimen: UC 47246; 1 specimen.

Easton, W. H., 1944a, p. 62, pl. 17, fig. 11.

Lower Mississippian, Chouteau Limestone.

Pettis County, Missouri.

Sampson Collection.

Remarks: This specimen was originally part of UC 9618.

Auloporella typa Grubbs, 1939

Holotype: UC 46022; 1 specimen.

Grubbs, D. M., 1939, p. 549, pl. 61, fig. 25.

Referred Specimens: UC 46023; 1 slide and 1 broken specimen.

Grubbs, D. M., 1939, p. 549, pl. 61, figs. 24, 26.

Silurian, Niagaran Group.

Federal Stone Co. Quarry, near Chicago, Illinois.

Grubbs Collection.

Aulozoa constricta Grubbs, 1939

Holotype: UC 46024; 1 specimen.

Grubbs, D. M., 1939, pp. 549-550, pl. 61, fig. 28.

Referred Specimens: UC 46025; 3 specimens.

Grubbs, D. M., 1939, pp. 549-550, pl. 61, figs. 27, 28.

Silurian, Niagaran Group.

Federal Stone Co. Quarry, near Chicago, Illinois.

Grubbs Collection.

Bainbridgia typicalis Ball and Grove, 1940

Holotype: UC 37782; 1 specimen in 2 pieces.

Ball, J. R. and B. H. Grove, 1940, pp. 395-397, pl. 2, fig. 11.

Silurian, Bainbridge Formation, *Pisocrinus* Beds.

2¼ miles southeast of Ozora, Missouri; southwest of Camp
Wrather, Ste. Genevieve County; NW ¼ sec. 24., T. 32 N.,
R. 14 E., Cape Girardeau County, Missouri.

Ball Collection.

Referred Specimen: UC 34518a; 1 slide.

Ball, J. R. and B. H. Grove, 1940, pp. 395-397, pl. 3, fig. 5.

Referred Specimen: UC 34518b; 1 slide.

Ball, J. R. and B. H. Grove, 1940, pp. 395-397, pl. 3, fig. 6.

Referred Specimen: UC 34518c; 1 slide.

Ball, J. R. and B. H. Grove, 1940, pp. 395-397, pl. 3, fig. 7.

Referred Specimen: UC 34518; 92 fragments.

Ball, J. R. and B. H. Grove, 1940, pp. 395-397.

Silurian, Bainbridge Formation.

Little Saline Creek, near Ozora, Ste. Genevieve County, Missouri.

Ball Collection.

Baryphyllum fungulus White, 1878

Holotype: UC 6350; 1 specimen.

White, C. A., 1878, pp. 29-30.

Silurian, Niagaran Group

Waldron, Shelby Co., Indiana.

Gurley Collection

Beaumontia americana S. Weller, 1909

Holotype: UC 4718; 1 specimen.

Weller, S., 1909, p. 274, pl. 10, figs. 3, 4.

Mississippian, Fern Glen Limestone.

Railroad cut a little over 1 mile south of Kimmswick, Missouri.

S. Weller Collection, 1896

Bethanyphyllum robustum (Hall, 1876)

See: *Cyathophyllum galerum* Hall, 1876.

Bethanyphyllum validum (Hall, 1876)

See: *Cyathophyllum validum* Hall, 1876.

Blothrophyllum tripinnatum Hall, 1882

See: *Aulacophyllum poculum* Hall, 1882.

Aulacophyllum tripinnatum Hall, 1882.

Blothrophyllum triscultatum (Hall, 1882)

See: *Aulacophyllum bilaterale* Hall, 1882.

Heliophyllum alternatum Hall, 1882.

Bordenia savagei Ball and Grove, 1940

Holotype: UC 34516; 1 specimen.

Ball, J. R. and B. H. Grove, 1940, pp. 391-393, pl. 1, fig. 5.

Referred Specimens: UC 34189; 9 specimens.

Ball, J. R. and B. H. Grove, 1940, pp. 391-393.

Referred Specimen: UC 51780; 1 specimen.

Ball, J. R. and B. H. Grove, 1940, pp. 391-393, pl. 1, fig. 8.

Referred Specimen: UC 51781; 1 specimen.

Ball, J. R. and B. H. Grove, 1940, pp. 391-393, pl. 2, fig. 2.

Referred Specimen: UC 51815; 1 specimen.

Ball, J. R. and B. H. Grove, 1940, pp. 391-393, pl. 1, fig. 2.

Referred Specimen: UC 51816; 1 specimen.

Ball, J. R. and B. H. Grove, 1940, pp. 391-393, pl. 1, fig. 3.

Referred Specimen: UC 51817; 1 specimen.

Ball, J. R. and B. H. Grove, 1940, pp. 391-393, pl. 1, fig. 4.

Referred Specimen: UC 31818; 1 specimen.

Ball, J. R. and B. H. Grove, 1940, pp. 391-393, pl. 1, fig. 6.

Referred Specimen: UC 51819; 1 specimen.

Ball, J. R. and B. H. Grove, 1940, pp. 391-393, pl. 1, fig. 7.

Silurian, Bainbridge Formation, *Pisocrinus* Beds.

Southwest of Camp Wrather, $2\frac{1}{4}$ miles southeast of Ozora, Ste.
Genevieve County, Missouri.

Ball Collection.

Bothrophyllum* (?) *kansasense (Miller and Gurley, 1894)

See: *Campophyllum kansasense* Miller and Gurley, 1894.

Calapoecia canadensis* var. *anticostiensis Billings, 1865

Referred Specimen: P 28830; 1 specimen, 3 slides.

Roy, S. K., 1941, pp. 74-76, fig. 38a-d.

Ordovician, Richmond Group.

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

Roy Collection.

***Calathium* (?) sp.**

Referred Specimen: PE 11014; 1 specimen.

Ingels, J. J. C., 1963, p. 417, pl. 2, fig. 3.

Referred Specimens: PE 11015; 1 specimen. PE 11016; 5 specimens. PE 11017; 1 specimen. PE 11018; 1 specimen. PE 11019; 1 specimen.

Ingels, J. J. C., 1963, p. 417.

= Coral

Toomey, D. F. and J. J. C. Ingels, 1964, p. 1,102.

= *Thecia* sp.

Museum Catalogue.

Middle Silurian, Thorn Group.

Material Service Co. Quarry; west and northwest of Thornton,
Illinois, T. 36 N., R. 14 W.

Campophyllum kansasense Miller and Gurley, 1894.

Holotype not designated; to be chosen from:

Referred Specimen: UC 47235 previously UC 6616; 1 specimen
in 3 pieces.

Miller, S. A. and W. F. Gurley, 1894, pp. 67-68, pl. 7, figs. 19,
22.

Referred Specimen: UC 6616a; 1 specimen.

Miller, S. A. and W. F. Gurley, 1894, pp. 67-68, pl. 7, fig. 20.

Referred Specimen: UC 6616b; 1 specimen.

Miller, S. A. and W. F. Gurley, 1894, pp. 67-68, pl. 7, fig. 21.

= *Bothrophyllum* (?) *kansasense* (Miller and Gurley, 1894)

Holotype: UC 47235; 1 specimen in 3 parts. Designated by W. H.
Easton, 1944b, p. 123.

Easton, W. H., 1944b, p. 123.

Holotype: UC 47235a; 1 peel.

Easton, W. H., 1944b, p. 123, pl. 22, fig. 9.

Holotype: UC 47235b; 1 peel.

Easton, W. H., 1944b, p. 123, pl. 22, fig. 10.

Referred Specimens: UC 6616; 2 specimens.

Easton, W. H., 1944b, p. 123.

Pennsylvanian, Kansas City Group, Westerville Limestone,
(Cocke, J. M., personal communication).

Kansas City, Missouri.

Gurley Collection.

Campophyllum torquium (Owen, 1852)

Referred Specimen: UC 16163; 1 peel.

Mather, K. F., 1915, pp. 93-94, pl. 1, fig. 14a.

= *Canina torquia* (Owen, 1852)

Easton, W. H., 1944b, pp. 125-128.

Pennsylvanian, Brentwood Limestone.

Near Brentwood, Arkansas, Station 145.

Mather Collection.

Canina torquia (Owen, 1852)

See: *Campophyllum torquium* (Owen, 1852)

Caninia flaccida Easton, 1943

Holotype: UC 47243a; 1 peel.

Easton, W. H., 1943b, p. 278, pl. 46, fig. 5.

Holotype: UC 47243b; 1 peel.

Easton, W. H., 1943b, p. 278, pl. 46, fig. 6.

Referred Specimen: UC 59805; 1 peel.

Easton, W. H., 1943b, p. 278.

Upper Mississippian, Glen Dean Formation, near Bangor Limestone.

200 ft. above base, west foot, Lookout Mt., near sandpipe, one-quarter mile east of Ft. Payne, Alabama.

Easton Collection.

Caninia tennesseensis Easton, 1943

Holotype: UC 47240a; 1 peel.

Easton, W. H., 1943b, p. 277, pl. 46, fig. 1.

Holotype: UC 47240b; 1 peel.

Easton, W. H., 1943b, p. 277, pl. 46, fig. 4.

Referred Specimen: UC 47241a; 1 peel.

Easton, W. H., 1943b, p. 277, pl. 46, fig. 3.

Referred Specimens: UC 47241; 1 peel. UC 51584; 2 peels.

Easton, W. H., 1943b, p. 277.

Mississippian, ? Golconda Limestone and Shale.

Quarry by railroad at Sherwood, Tennessee.

Easton Collection.

Remarks: Peels were made from U.S. National Museum 533 U.

Caninia torquia (Owen, 1852)

Holotype: UC 47238a; 2 peels.

Easton, W. H., 1944b, pp. 125-128, pl. 22, fig. 2.

Holotype: UC 47238b; 3 peels.

Easton, W. H., 1944b, pp. 125-128, pl. 22, figs. 3-4.

Pennsylvanian, Beil Limestone.

Near mouth of Keg Creek, Iowa.

Easton Collection.

Remarks: Peels were made from U.S. National Museum 17953.

Referred Specimen: UC 47245; 5 peels.

Easton, W. H., 1944b, pp. 125-128, pl. 22, fig. 5.

Referred Specimen: UC 47244; 6 peels.

Easton, W. H., 1944b, pp. 125-128, pl. 22, fig. 6.

Pennsylvanian, "Upper Coal Measures."

Rock Bluff and Cedar Bluff, Nebraska.

Easton Collection.

Remarks: Peels were made from U.S. National Museum 6839.

***Caninostroton variabilis* Easton, 1943**

Holotype: UC 48367; 1 specimen.

Easton, W. H., 1943a, pp. 134-135, pl. 21, fig. 16.

Referred Specimen: UC 47203; 1 specimen.

Easton, W. H., 1943a, pp. 134-135, pl. 21, fig. 14.

Referred Specimens: UC 48271; 2 specimens and 11 peels.

Easton, W. H., 1943a, pp. 134-135.

Upper Mississippian, Pitkin Formation.

Easton Locality 4, massive ledge of limestone at the top of Pitkin

Bluff on the east side of the Fayetteville Country Club,

300 yd. south of the clubhouse, Fayetteville, Arkansas.

Referred Specimen: UC 38272; 1 specimen in 2 pieces.

Easton, W. H., 1943a, pp. 134-135.

Referred Specimen: UC 38272; 5 peels.

Easton, W. H., 1943a, pp. 134-135, pl. 21, fig. 15.

Upper Mississippian, Pitkin Formation.

Shale and argillaceous limestone in reentrant near top of Pitkin

on the south side of outlier in NW $\frac{1}{4}$ sec. 35, T. 16 N., R. 30 W.

Easton Collection.

Ceramopora expansa (U. P. James, 1879)

See: *Alveolites expansa* U. P. James, 1879.

Ceramopora (?) expansa (U. P. James 1879)

See: *Alveolites expansa* U. P. James 1879.

Chonophyllum ellipticum Hall and Whitfield, 1873

Cast of Referred Specimen: UC 26054a; 1 specimen.

Fenton, C. L. and M. A. Fenton, 1924, p. 29, pl. 3, fig. 6.

Stumm, E. C., 1953, cards 91-92, fig. 6.

Cast of Referred Specimen: UC 26054b; 1 specimen.

Fenton, C. L. and M. A. Fenton, 1924, p. 29, pl. 3, fig. 7.

Stumm, E. C., 1953, cards 91-92, fig. 7.

Cast of Referred Specimen: UC 26054c; 1 specimen.

Fenton, C. L. and M. A. Fenton, 1924, p. 29, pl. 3, fig. 8.

Stumm, E. C., 1953, cards 91-92, fig. 8.

Casts of Referred Specimens: UC 26054; 3 specimens.

Fenton, C. L. and M. A. Fenton, 1924, p. 29.

Stumm, E. C., 1953, cards 91-92.

Upper Devonian, *Spirifer* Zone, Hackberry Shale.

Hackberry Grove, Iowa.

Fenton (Webster) Collection.

Chonophyllum ovatum Sloss, 1939

Referred Specimen: UC 38703; 1 specimen.

Sloss, L. L., 1939, p. 60.

= *Naos ovatus* (Sloss, 1939)

Stumm, E. C., 1953, card 98.

Devonian, Gravel Point Zone.

Bell Quarry, 2.3 miles east of Charlevoix County line on U.S. Highway 31, NE $\frac{1}{4}$ sec. 8, T. 34 N., R. 6 W., Emmet County, Michigan.

Sloss Collection.

Chonophyllum ponderosum Rominger, 1876

Referred Specimens: UC 38700; 3 peels. UC 38701; 3 specimens.

Sloss, L. L., 1939, pp. 59-60.

= *Naos ponderosum* (Rominger, 1876)

Stumm, E. C., 1953, cards 99-100.

Devonian, Gravel Point Zone.

Bell Quarry, 2.3 miles east of Charlevoix County line on U.S. Highway 31, NE $\frac{1}{4}$ sec. 8, T. 34 N., R. 6 W., Emmet County, Michigan.

Sloss Collection.

Chonostegites clappi Milne-Edwards and Haime, 1851

See: *Michelinia clappi* (Milne-Edwards and Haime, 1851).

Cladochonus americanus S. Weller, 1909

Holotype: UC 13905; 1 specimen.

Weller, S., 1909, p. 275, pl. 10, fig. 30.

Lower Mississippian, Fern Glen Limestone.

Fern Glen, Missouri.

S. Weller Collection, 1906.

Cladochonus crassa (McCoy, 1844)

See: *Monilopora crassa* McCoy, 1844.

Cladochonus fragilis Mather, 1915

Holotype not designated; to be chosen from:

UC 16170a; 1 specimen.

Mather, K. F., 1915, p. 98, pl. 1, fig. 3.

UC 16170b; 1 specimen.

Mather, K. F., 1915, p. 98, pl. 1, fig. 4.

UC 16170; 1 specimen.

Mather, K. F., 1915, p. 98, pl. 1, fig. 5.

Pennsylvanian, Morrow Formation.

Near Fort Gibson, Oklahoma, Station 301.

Mather Collection.

Remarks: Hill, Dorothy and E. C. Stumm, *in* Moore, ed., 1956, p. 472, equate this genus with *Monilopora*.

Cladochonus ? siluriensis Ball and Grove, 1940

Referred Specimen: UC 35191; 1 specimen coiled around crinoid stem.

Ball, J. R. and B. H. Grove, 1940, pp. 397–399, pl. 3, fig. 11.

Referred Specimen: UC 34519a; 1 specimen.

Ball, J. R. and B. H. Grove, 1940, pp. 397–399, pl. 3, fig. 8.

Referred Specimen: UC 34519b; 1 specimen in 2 pieces.

Ball, J. R. and B. H. Grove, 1940, pp. 397-399, pl. 3, fig. 9.

Referred Specimen: UC 34519c; 1 specimen.

Ball, J. R. and B. H. Grove, 1940, pp. 397-399, pl. 3, fig. 10.

Referred Specimen: UC 34519d; 1 specimen coiled around crinoid stem.

Ball, J. R. and B. H. Grove, 1940, pp. 397-399, pl. 3, fig. 14.

Referred Specimens: UC 34519; 23 fragments.

Ball, J. R. and B. H. Grove, 1940, pp. 397-399.

Silurian, Bainbridge Formation.

Hill near Camp Wrathier near Ozora, Ste. Genevieve County, Missouri.

Ball Collection.

Cladochonus striatissimus Easton, 1946.

See: *Cladochonus striatus* Easton, 1944.

Cladochonus striatus Easton, 1944

Holotype: UC 9678a; 1 specimen.

Easton, W. H., 1944a, p. 62, pl. 21, fig. 5.

Referred Specimen: UC 9678b; 3 specimens.

Easton, W. H., 1944a, p. 62.

Referred Specimen: UC 9769a; 1 specimen.

Easton, W. H., 1944a, p. 62, pl. 21, fig. 4.

Referred Specimen: UC 9769b; 7 specimens.

Easton, W. H., 1944a, p. 62.

=*Cladochonus striatissimus* Easton, 1946

Easton, W. H., 1946, p. 393.

Mississippian, Chouteau Limestone.

Locality 8, Pettis County, Missouri.

Sampson Collection.

Cladopora multiseriata S. Weller, 1903

Holotype: UC 10357; numerous coralla in 1 specimen.

Weller, S., 1903, p. 271, pl. 26, figs. 2, 3.

Devonian, Coeymans Limestone.

1 $\frac{3}{4}$ miles northeast of Hainesville, New Jersey.

S. Weller New Jersey Collection.

Remarks: Hill, Dorothy and E. C. Stumm, *in* Moore, ed., 1956, p. 466, equate this genus with *Coenites*.

Cladopora rectilineata Simpson, 1889

Referred Specimens: UC 10388a; 1 specimen, 2 fragments.
Weller, S., 1903, p. 221, pl. 17, fig. 16.

Referred Specimen: UC 10388b; 1 specimen.
Weller, S., 1903, p. 221, pl. 17, fig. 14.

Referred Specimen: UC 10388c; 1 specimen, 1 fragment.
Weller, S., 1903, p. 221, pl. 17, fig. 15.

Silurian, Decker Ferry Limestone.

Nearpass Quarry, New Jersey.

S. Weller New Jersey Collection.

Remarks: S. Weller, 1903, pl. 17, fig. 17, enlarges one of the specimens but does not indicate which. The fragments, in each case, have been broken from the matching specimen. Hill, Dorothy and E. C. Stumm, *in* Moore, ed., 1956, p. 466, equate this genus with *Coenites*.

Cleistopora procera (Rowley, 1901)

Referred Specimen: UC 9765; 1 specimen in 2 pieces.
Easton, W. H., 1944a, p. 58, pl. 17, figs. 8-9.

Mississippian, Chouteau Limestone.

Locality 8, Pettis County, Missouri.

Sampson Collection.

Clinophyllum chouteauense (Miller, 1891)

Referred Specimen: UC 9679A; 1 specimen.
Grove, B. H., 1935, pp. 365-366, pl. 9, fig. 12.
Easton, W. H., 1944a, p. 47.

Referred Specimen: UC 9679B; 1 specimen.
Grove, B. H., 1935, pp. 365-366, pl. 9, fig. 13.
Easton, W. H., 1944a, p. 47.

Referred Specimen: UC 9679; 2 specimens.
Grove, B. H., 1935, pp. 365-366.
Easton, W. H., 1944a, p. 47.

Referred Specimen: UC 31583A; 1 specimen.

Grove, B. H., 1935, pp. 365-366, pl. 9, fig. 14.

Easton, W. H., 1944a, p. 47.

Referred Specimen: UC 31583; 3 specimens.

Grove, B. H., 1935, pp. 365-366.

Easton, W. H., 1944a, p. 47.

Lower Mississippian, Chouteau Limestone.

Sedalia, Pettis County, Missouri.

Sampson Collection.

Coenites multiseriata (S. Weller, 1903)

See: *Cladopora multiseriata* S. Weller, 1903.

Coenites rectilineata (Simpson, 1889)

See: *Cladopora rectilineata* Simpson, 1889.

Columnaria halli Nicholson, 1879

Referred Specimen: UC 25945; 1 specimen.

Fenton, C. L., 1928a, p. 89, sec. 25.

Fenton, C. L., 1928b, p. 128, pl. 2, fig. 1.

Ordovician, Plattin Formation, limestone, grey, fucoidal.

South Beckett Hill, Ste. Genevieve County, Missouri.

Referred Specimen: UC 25946; 1 specimen.

Fenton, C. L., 1928a, p. 89, sec. 24.

Fenton, C. L., 1928b, p. 128, pl. 2, fig. 2.

Ordovician, Plattin Formation, limestone, thinly and irregularly bedded, weathering to heavy ledges.

Top of section, South Beckett Hill, Ste. Genevieve County, Missouri.

Referred Specimen: UC 25947; 1 specimen.

Fenton, C. L., 1928a, p. 90, sec. 12.

Fenton, C. L., 1928b, p. 128.

Ordovician, Plattin Formation, limestone, buff to grey, thin-to-medium bedding, honeycombed by small fucoidal molds.

River aux Vases, Ste. Genevieve County, Missouri.

Fenton Collection.

Columnopora cribriformes Nicholson, 1874

Holotype: UC 216; 1 specimen. Designated by Foerste, A. F., 1916, pp. 293–295.

Referred Specimen: UC 984; 1 specimen.

Nicholson, H. A., 1874, pp. 253–254.

Nicholson, H. A., 1875, pp. 185–186.

Nicholson, H. A., 1879, p. 164, pl. 7, figs. 2–2d [not seen].

= *Calapoecia cribriformes* (Nicholson, 1874)

Foerste, A. F., 1916, pp. 293–295, pl. 3, fig. 5 (UC 216).

Upper Ordovician, Cincinnati Group.

near Cincinnati, Ohio.

U. P. James Collection.

Remarks: Nicholson's original description is also based on specimens in the G. J. Hinde Collection.

Craterophyllum (?) latiradium Hall, 1882

See: *Cystiphyllum latiradium* Hall, 1882.

Cyathaxonia arcuata S. Weller, 1909

Holotype not designated; to be chosen from:

UC 4706a; 1 specimen.

Weller, S., 1909, p. 269, pl. 10, fig. 12.

UC 4706b; 1 specimen.

Weller, S., 1909, p. 269, pl. 10, fig. 13.

Referred Specimen: UC 4706; 3 specimens.

Weller, S., 1909, p. 269.

Lower Mississippian, Fern Glen Limestone, shale bed.

Railroad cut a little over 1 mile south of Kimmswick, Missouri.

S. Weller Collection, 1896.

Referred Specimen: UC 31635; 16 specimens and 2 slides.

Weller, S., 1909, p. 269.

Lower Mississippian, Fern Glen Limestone.

Fern Glen, Missouri.

S. Weller Collection, 1896.

Referred Specimen: UC 31646; 7 specimens.

Weller, S., 1909, p. 269.

Lower Mississippian, Fern Glen Limestone, shale bed.

Sulphur Springs, Missouri.
S. Weller Collection, 1896.

Cyathaxonia minor S. Weller, 1909

Holotype not designated; to be chosen from:

UC 13904a; 1 specimen.

Weller, S., 1909, pp. 270-271, pl. 10, fig. 14.

UC 13904b; 1 specimen.

Weller, S., 1909, pp. 270-271, pl. 10, fig. 15.

UC 13904c; 1 specimen.

Weller, S., 1909, pp. 270-271, pl. 10, fig. 16.

UC 13904d; 1 specimen.

Weller, S., 1909, pp. 270-271, pl. 10, fig. 17.

UC 13904; 7 specimens.

Weller, S., 1909, pp. 270-271.

Lower Mississippian, Fern Glen Limestone.

Section in Missouri Pacific Railroad cut, west of Fern Glen Station, 20 miles west of St. Louis, Missouri.

S. Weller Collection, 1906.

Referred Specimens: UC 3135; 17 specimens.

Weller, S., 1909, pp. 270-271.

Lower Mississippian, Fern Glen Limestone.

Fern Glen, Missouri.

S. Weller Collection, 1896.

=*Cyathaxonia tantilla* (Miller, 1891).

Grove, B. H., 1935, pp. 367-368.

Referred Specimen: UC 38042a; 1 specimen.

Grove, B. H., 1935, pp. 367-368, pl. 9, fig. 15.

Easton, W. H., 1944a, pp. 30-31.

Referred Specimen: UC 38042b; 1 specimen.

Grove, B. H., 1935, pp. 367-368, pl. 9, fig. 16.

Easton, W. H., 1944a, pp. 30-31.

Referred Specimen: UC 38042c; 1 specimen.

Grove, B. H., 1935, pp. 367-368, pl. 9, fig. 17.

Easton, W. H., 1944a, pp. 30-31.

Lower Mississippian, Chouteau Limestone.

Near Sedalia, Pettis County, Missouri.

Sampson Collection.

Cyathaxonia tantilla (Miller, 1891)

See: *Cyathaxonia minor* S. Weller, 1909.

Cyathophyllum cohaerens Hall, 1882

Holotype: UC 51980; 1 specimen in 4 pieces and 3 slides. Designated by Stumm, E. C., 1964, p. 41.

Hall, James, 1882, p. 41-42.

Hall, James, 1884, p. 445.

= *Disphyllum cohaerens* (Hall, 1882)

Stumm, E. C., 1964, p. 41, pl. 34, figs. 6, 7.

Devonian, Jeffersonville Limestone.

Falls of the Ohio.

Remarks: William Oliver (in personal communication) indicates this specimen, sectioned since illustrated, is a Silurian *Entelophyllum* from the Louisville Limestone.

Cyathophyllum galerum Hall, 1876

Cast of Holotype: UC 37724a; 1 specimen. Designated by E. C. Stumm, 1964, p. 40.

Hall, James, 1876, pl. 32, fig. 21.

Cast of Holotype: UC 37724b; 1 specimen.

Hall, James, 1876, pl. 32, fig. 23.

= *Bethanyphyllum robustum* Hall, 1876

Stumm, E. C., 1964, p. 40.

Devonian, Hamilton Group.

Moscow, New York.

Hall Collection.

Remarks: The holotype from which the casts were made is New York State Museum no. 3240/1.

Cyathophyllum nanum Hall, 1876

Cast of Holotype: UC 37725; 1 specimen in 2 pieces.

Hall, James, 1876, pl. 22, figs. 12, 13, pl. 31, fig. 14.

Middle Devonian, Hamilton Group.

Moscow, New York.

Hall Collection.

Remarks: The holotype from which the cast was made is New York State Museum no. 3242/1.

Cyathophyllum validum Hall, 1876

Holotype: UC 11795; 1 specimen. Designated by E. C. Stumm, 1964, p. 40.

Hall, James, 1876, pl. 39, figs. 7-9.

Devonian, Onondagan Limestone.

Falls of the Ohio.

Gurley Collection.

Referred Specimen: UC 35867; 1 specimen in 3 pieces.

Hall, James, 1876, pl. 39.

Devonian, Lower Jeffersonville Limestone.

Falls of the Ohio.

Hall Collection.

Referred Specimen: UC 35700; 2 sectioned specimens.

Hall, James, 1876, pl. 39.

Middle Devonian, Columbus Limestone.

Hall Collection.

=*Bethanyphyllum validum* (Hall, 1876)

Stumm, E. C., 1964, p. 40, pl. 36, figs. 3, 4 (UC 11795).

Cylindrophyllum compactum (Hall, 1882)

See: *Heliophyllum gemmatum* Hall, 1882.

Cystelasma sp.

Referred Specimen: UC 14821a; 1 specimen.

Weller, S., 1916, p. 245, pl. 19, fig. 21.

Referred Specimen: UC 14821b; 1 specimen.

Weller, S., 1916, p. 245, pl. 19, fig. 22.

Referred Specimen: UC 14821; 1 specimen.

Weller, S., 1916, p. 245.

Middle Mississippian, Ste. Genevieve Limestone.

Fountain Creek, near Waterloo, Illinois.

S. Weller Collection, 1906

Cystiphyllodes americanum (Edwards and Haime, 1851)

See: *Cystiphyllum americanum* Edwards and Haime, 1851.

Cystiphyllum crateriforme Hall, 1882.

Cystiphyllum varians Hall, 1876.

Cystiphyllodes nanum (Hall, 1882)

See: *Cystiphyllum nanum* Hall, 1882.

Cystiphyllodes pustulatum (Hall, 1882)

See: *Cystiphyllum pustulatum* Hall, 1882.

Cystiphyllodes tenuiradium (Hall, 1882)

See: *Cystiphyllum tenuiradium* Hall, 1882.

Cystiphyllum americanum Edwards and Haime, 1851

Referred Specimen: UC 11819; 1 specimen.

Hall, James, 1876, pl. 28, fig. 1.

Fenton, C. L. and M. A. Fenton, 1938, pp. 228-230.

= *Cystiphyllodes americanum* (Edwards and Haime, 1851)

Stumm, E. C., 1949, p. 39.

Devonian, Hamilton Group.

Moscow, New York.

Hall Collection.

Cystiphyllum crateriforme Hall, 1882

Holotype: UC 35854; 1 specimen. Designated by E. C. Stumm, 1964, p. 54.

Hall, James, 1882, p. 57.

Hall, James, 1884, p. 461.

= *Cystiphyllodes americanum* (Edwards and Haime, 1851)

Stumm, E. C., 1964, p. 54, pl. 50, figs. 6, 7.

Middle Devonian, Jeffersonville Limestone.

Falls of the Ohio.

Hall Collection.

Cystiphyllum latiradium Hall, 1882

Holotype: UC 11798; 1 specimen. Designated by E. C. Stumm, 1964, p. 33.

Hall, James, 1882, p. 57.

Hall, James, 1883b, p. 304, pl. 28, figs. 8, 9.

Hall, James, 1884, p. 461.

= *Craterophyllum ? latiradium* (Hall, 1882)

Stumm, E. C., 1964, p. 33, pl. 24, figs. 1, 2.

Middle Devonian, Jeffersonville Limestone.

Falls of the Ohio.

Hall Collection.

Remarks: S. Weller, in the Walker Museum Catalogue indicated that Hall illustrated this specimen but did not publish the drawing.

Cystiphyllum mundulum Hall and Whitfield, 1873

Referred Specimen: UC 26013; 1 specimen.

Fenton, C. L. and M. A. Fenton, 1924, p. 41, pl. 3, fig. 3.

Upper Devonian, Hackberry Shale, *Spirifer* Zone.

Hackberry Grove, Iowa.

Fenton Collection.

Cystiphyllum nanum Hall, 1882

Referred Specimen: UC 35862; 2 specimens.

Hall, James, 1882, p. 56.

Hall, James, 1884, p. 460.

= *Cystiphyloides nanum* (Hall, 1882)

Stumm, E. C., 1964, p. 55, pl. 55, figs. 1, 2.

Middle Devonian, Jeffersonville Limestone.

Falls of the Ohio.

Hall Collection.

Cystiphyllum pustulatum Hall, 1882

Referred Specimens: UC 11846; 1 specimen. UC 35859; 2 specimens.

Hall, James, 1882, p. 58.

Hall, James, 1883a, p. 262.

Hall, James, 1884, p. 462.

= *Cystiphyloides pustulatum* (Hall, 1882)

Stumm, E. C., 1964, p. 56, pl. 55, figs. 3, 4 (UC 11846) pl. 50, figs. 3-5 (UC 35859).

Middle Devonian, Jeffersonville Limestone.

Falls of the Ohio.

Hall Collection.

Remarks: S. Weller, in the Walker Museum Catalogue, indicates Hall illustrated these specimens but did not publish the drawings.

Cystiphyllum tenuiradium Hall, 1882

Holotype: UC 35860; 1 specimen. Designated by E. C. Stumm, 1964, p. 56.

Hall, James, 1882, p. 56.

Hall, James, 1884, p. 460.

= *Cystiphyloides tenuiradium* (Hall, 1882)

Stumm, E. C., 1964, p. 56, pl. 50, figs. 10, 11.

Middle Devonian, Jeffersonville Limestone.

Falls of the Ohio.

Hall Collection.

Cystiphyllum varians Hall, 1876

Referred Specimen: UC 30800; 1 specimen.

Hall, James, 1876, pl. 29.

Referred Specimen: UC 37726; cast of 1 specimen.

Hall, James, 1876, pl. 29, figs. 10-12.

= *Cystiphyloides americanum* (Edwards and Haime, 1851)

Stumm, E. C., 1964, p. 54.

Devonian, Hamilton Group.

Moscow, New York.

Gurley Collection.

Diphyphyllum coralliferum (Hall, 1852)

See: *Diplophyllum coralliferum* Hall, 1852

Diphyphyllum tubiforme Fenton and Fenton, 1924

Holotype: UC 26014; 1 specimen and 2 slides.

Fenton, C. L. and M. A. Fenton, 1924, p. 42, pl. 2, figs. 1-3.

Referred Specimen: UC 26015; 1 specimen and 1 slide.

Fenton, C. L. and M. A. Fenton, 1924, p. 42, pl. 2, fig. 4.

Devonian, Hackberry Shale, *Spirifer* Zone.

Clay Pit, Rockford, Iowa.

Fenton Collection.

Diplophyllum coralliferum Hall, 1852

Referred ? Specimen: UC 51675; 2 slides. UC 51676; 1 slide.

UC 51677; 1 slide.

Hall, James, 1852, p. 322.

= *Diphyphyllum coralliferum* (Hall, 1852)

Hall, James, 1859, p. 80.

Schuchert, C., 1903, p. 163.

Lower Silurian, Cayuga Group.

Schoharie, New York.

Hall Collection.

Disphyllum cohaerens (Hall, 1882)

See: *Cyathophyllum cohaerens* Hall, 1882.

Ditoecholasma saffordi Ball and Grove, 1940

Holotype: UC 51810 [not UC 39352]; 1 specimen.

Ball and Grove, 1940, pp. 389–391, pl. 2, figs. 8, 9.

Referred Specimen: UC 51811 [not UC 39356]; 1 slide.

Ball and Grove, 1940, pp. 389–391, pl. 2, fig. 7.

Referred Specimen: UC 51812 [not UC 39360]; 1 slide.

Ball and Grove, 1940, pp. 389–391, pl. 2, fig. 10.

Referred Specimens: UC 51813; 3 slides.

Ball and Grove, 1940, pp. 389–391.

Referred Specimens: UC 51814; 5 specimens.

Ball and Grove, 1940, pp. 389–391.

Silurian, Bainbridge Formation.

2¼ miles southeast of Ozora, Ste. Genevieve County, Missouri.

Ball Collection.

Diversophyllum traversense (Winchell, 1866)

Referred Specimen: UC 38733a; 1 specimen.

Sloss, L. L., 1939, pp. 66–68, pl. 11, fig. 14.

Referred Specimen: UC 38733b; 1 peel.

Sloss, L. L., 1939, pp. 66–68, pl. 11, fig. 15.

Referred Specimen: UC 38734a; 1 peel.

Sloss, L. L., 1939, pp. 66–68, pl. 11, fig. 16, text fig. 7C.

Referred Specimen: UC 38734b; 1 specimen.

Sloss, L. L., 1939, pp. 66–68, pl. 11, fig. 17.

Referred Specimen: UC 38735; 1 slide.

Sloss, L. L., 1939, pp. 66–68, pl. 11, fig. 18, text fig. 7A.

Referred Specimen: UC 38736a; 1 peel.

Sloss, L. L., 1939, pp. 66-68, pl. 11, fig. 19.

Referred Specimen: UC 38736b; 1 peel.

Sloss, L. L., 1939, pp. 66-68, pl. 11, fig. 20, text fig. 7B.

Referred Specimen: UC 38736c; 1 specimen.

Sloss, L. L., 1939, pp. 66-68, pl. 11, fig. 21.

Referred Specimen: UC 38737a; 1 peel.

Sloss, L. L., 1939, pp. 66-68, pl. 11, fig. 22.

Referred Specimen: UC 38737b; 1 peel.

Sloss, L. L., 1939, pp. 66-68, pl. 11, fig. 23.

Referred Specimens: UC 38733; 5 peels. UC 38734; 6 peels. UC 38736; 1 specimen and 6 peels. UC 38737; 1 specimen in 2 pieces and 11 peels. UC 38754; 3 specimens and 7 peels.

Sloss, L. L., 1939, pp. 66-68.

Devonian, Traverse Beds, Gravel Point Zone.

Bell Quarry, 2.3 miles east of Charlevoix County line on U.S. Highway 31, NE $\frac{1}{4}$ sec. 8, T. 34 N., R. 6 W., Emmet County, Michigan.

Sloss Collection.

Referred Specimen: UC 38744; 4 fragments and 9 peels.

Sloss, L. L., 1939, pp. 66-68, pl. 12, fig. 22.

Devonian, Traverse Beds, Gravel Point, Emmet County, Michigan

West end, Petoskey Portland Cement Co. Quarry, SW $\frac{1}{4}$ sec. 2 T., 34 N., R. 6 W., Emmet County, Michigan.

Sloss Collection.

Emmonsia arbuscula (Hall, 1876)

See: *Favosites arbuscula* Hall, 1876

Emmonsia emmonsi (Rominger, 1876)

Referred Specimen: UC 35773; 1 specimen.

Fenton, C. L. and M. A. Fenton, 1936, pp. 35-36.

Devonian, Onondagan Limestone.

Williamsville, New York.

Hall Collection.

Emmonsia epidermata (Rominger, 1876)

See: *Favosites epidermata* Rominger, 1876.

Emmonsia tuberosa (Rominger 1876)

See: *Favosites tuberosa* Rominger, 1876.

Enterolasma waynense Simpson, 1900

Referred Specimen: UC 34517; 7 specimens.

Ball, J. R. and B. H. Grove, 1940, p. 383.

Silurian, Bainbridge, *Pisocrinus* Beds.

Little Saline Creek, near Ozora, Ste. Genevieve County, Missouri.

Ball Collection.

Enterolasma waynensis (Safford, 1869)

Referred Specimens: UC 51809; 35 specimens.

Ball, J. R. and B. H. Grove, 1940, p. 383.

Silurian, Bainbridge Formation, *Pisocrinus* Beds.

2¼ miles southeast of Ozora, Ste. Genevieve County, Missouri.

Ball Collection.

Eridophyllum archiaci (Billings, 1860)

Referred Specimen: UC 35904; 1 specimen.

Stumm, E. C., 1964, p. 45, pl. 1, fig. 4.

Middle Devonian, Beechwood Limestone.

Falls of the Ohio.

Hall Collection.

Favistella sp.

Referred Specimens: P 28827; 3 slides.

Roy, S. K., 1941, p. 69, figs. 35a, b.

Ordovician, Richmond Group.

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

Roy Collection.

Favosites arbuscula Hall, 1876

Holotype not designated; to be chosen from:

UC 11821a; 1 specimen.

Hall, James, 1876, pl. 36, fig. 7.

UC 11821b; 1 specimen.

Hall, James, 1876, pl. 36, fig. 8.

UC 11821c; 1 specimen.

Hall, James, 1876, pl. 36, fig. 9.

=*Emmonsia arbuscula* (Hall, 1876)

Fenton, C. L. and M. A. Fenton, 1936, pp. 34-35, pl. 1, fig. 1
(UC 11821b), fig. 3 (UC 11821c).

Fenton, C. L. and M. A. Fenton, *in* Stumm, E. C., C. L. Fenton,
and M. A. Fenton, 1949, card 191, fig. 1 (UC 11821a), fig.
1—longitudinal section (UC 11821b), fig. 3 (UC 11821c).

Stumm, E. C., 1964, p. 65-66.

Devonian, Hamilton Group.

Western New York.

Hall Collection.

Favosites argus Hall, 1876

Referred Specimen: UC 37749; 1 specimen.

Fenton, C. L. and M. A. Fenton, 1936, pp. 25-26, pl. 2, fig. 3.

Fenton, C. L. and M. A. Fenton, *in* Stumm, E. C., and C. L.

Fenton, and M. A. Fenton, 1949, card 224, fig. 3, and card 225.

Devonian, Hamilton Group.

Hill's Gulch, Le Roy, New York.

Hall Collection.

Favosites biloculi Hall, 1876

See: *Favosites epidermata corticosa* Hall, 1876.

Favosites conicus Hall, 1874

Referred Specimen: UC 21131; 1 specimen.

Tansey, V. O., *in* Branson, E. B., 1922, pp. 178-179, pl. 41, figs.
3-4.

Referred Specimen: UC 21131b; 1 specimen in 3 pieces.

Tansey, V. O., *in* Branson, E. B., 1922, pp. 178-179, pl. 41,
fig. 2.

Referred Specimen: UC 21131c; 1 specimen.

Tansey, V. O., *in* Branson, E. B., 1922, pp. 178-179, pl. 41,
fig. 7.

Referred Specimen: UC 21131d; 1 specimen.

Tansey, V. O., *in* Branson, E. B., 1922, pp. 178-179, pl. 41,
figs. 5, 6.

Devonian, Bailey Limestone.

Little Saline Creek, near Ozora, Ste. Genevieve County, Missouri.
S. Weller Collection.

Favosites corticosus (Hall, 1876)

See: *Favosites epidermata corticosa* Hall, 1876.

Favosites distortus Hall, 1876

See: *Favosites hemispherica* var. *distorta* Hall, 1876.

Favosites epidermata Rominger, 1876

Referred Specimen: UC 11827; 1 specimen.

Hall, James, 1876, pl. 6, figs. 1-2.

Devonian, Onondagan Limestone.

Near Akron, New York.

Hall Collection.

Referred Specimen: UC 11816; 1 specimen.

Hall, James, 1876, pl. 12, fig. 6.

Devonian, Onondagan Limestone.

Cayuga, Ontario.

Hall Collection.

= *Emmonsia epidermata* (Rominger, 1876)

Fenton, C. L. and M. A. Fenton, 1936, p. 36.

Stumm, E. C., 1964, pp. 66-67.

Favosites epidermata corticosa Hall, 1876

Holotype not designated; to be chosen from:

UC 11815; 1 specimen in 3 parts and 2 slides.

Hall, James, 1876, pl. 10, figs. 4-5, pl. 11, figs. 11-12.

UC 12358; 1 specimen.

Hall, James, 1876, pl. 10, figs. 2-3.

= *Favosites corticosus* (Hall, 1876)

Fenton, C. L. and M. A. Fenton, 1936, p. 27, pl. 4, figs. 6-7.

= *Favosites biloculi* Hall, 1876

Stumm, E. C., 1964, p. 62.

Devonian, Onondagan Limestone.

Near Akron, New York.

Hall Collection.

Remarks: Fenton and Fenton, 1936, figure the 2 slides of UC 11815.

Favosites forbesi occidentalis Hall, 1875

Referred ? Specimen: UC 23374; 12 slides.

Hall, James, 1879, pp. 109–110.

Silurian, Niagaran Group.

Waldron, Indiana.

Hall Collection.

Referred Specimens: UC 34506; 7 specimens.

Ball, J. R. and B. H. Grove, 1940, p. 383.

Silurian, Bainbridge Formation, *Pisocrinus* Beds.

Little Saline Creek, near Ozora, Ste. Genevieve County, Missouri.

Ball Collection.

Favosites helderbergiae Hall, 1874

Referred Specimen: UC 11794; 1 specimen.

Hall, James, 1887, p. 8, pl. 4, fig. 1.

Devonian, Helderbergian Limestone.

Clarksville, New York.

Hall Collection.

Favosites cf. helderbergiae Hall, 1874

Referred Specimen: UC 21133a; 1 specimen.

Tansey, V. O., *in* Branson, E. B., 1922, p. 177, pl. 40, fig. 12.

Referred Specimen: UC 21133b; 1 specimen.

Tansey, V. O., *in* Branson, E. B., 1922, p. 177, pl. 40, fig. 13.

Referred Specimen: UC 21133c; 1 specimen.

Tansey, V. O., *in* Branson, E. B., 1922, p. 177, pl. 40, fig. 14.

Referred Specimen: UC 21133d; 1 specimen.

Tansey, V. O., *in* Branson, E. B., 1922, p. 177, pl. 40, fig. 15.

Referred Specimen: UC 21133e; 1 specimen.

Tansey, V. O., *in* Branson, E. B., 1922, p. 177, pl. 40, fig. 16.

Referred Specimen: UC 21133f; 1 specimen.

Tansey, V. O., *in* Branson, E. B., 1922, p. 177, pl. 40, fig. 17.

Referred Specimen: UC 21133g; 1 specimen.

Tansey, V. O., *in* Branson, E. B., 1922, p. 177, pl. 41, fig. 1.

Referred Specimen: UC 21133h; 1 specimen.

Tansey, V. O., *in* Branson, E. B., 1922, p. 177.

Devonian, Bailey Limestone.

Little Saline Creek, near Ozora, Ste. Genevieve County, Missouri.

S. Weller Collection.

Referred Specimen: UC 27554a; 1 specimen.

Stewart, G. A., *in* Branson, E. B., 1922, p. 222, pl. 57, fig. 8.

Referred Specimen: UC 27554; 20 specimens and 2 slides.

Stewart, G. A., *in* Branson, E. B., 1922, p. 222.

Devonian, Little Saline Limestone.

Little Saline Creek, near Ozora, Ste. Genevieve County, Missouri.

S. Weller Collection.

Favosites hemispherica var. **a** Hall, 1876

Referred Specimen: UC 11809a; 1 specimen.

Hall, James, 1876, pl. 2A, figs. 1-3.

Referred Specimen: UC 11809b; 1 specimen.

Hall, James, 1876, pl. 2A, figs. 4, 5.

=*Favosites turbinatus* Billings, 1859

Fenton, C. L. and M. A. Fenton, 1936, pp. 29-31.

=*Favosites patellatus* Stumm, 1964

Stumm, E. C., 1964, p. 64.

Devonian, Onondagan Limestone.

Falls of the Ohio.

Hall Collection.

Favosites hemispherica var. **distorta** Hall, 1876

Referred Specimens: UC 11813a; 1 specimen.

Hall, James, 1876, pl. 5, fig. 2.

Referred Specimen: UC 11813b; 1 specimen in 2 pieces.

Hall, James, 1876, pl. 5, fig. 4.

=*Favosites distortus* Hall, 1876

Fenton, C. L. and M. A. Fenton, 1936, p. 32, pl. 3, figs. 5-7.
(UC 11813b).

Fenton, C. L., and M. A. Fenton, *in* Stumm, E. C., ed., 1950,
cards 249, 250, figs. 2 (UC 11813a) and 3-7 (UC 11813b).

Middle Devonian, Onondagan Limestone.

Helderberg Mountains, New York.
Hall Collection.

Favosites hemispherica var. **turbinata** Billings, 1859

Referred Specimen: UC 11810; 1 specimen.

Hall, James, 1876, pl. 2B, figs. 1, 2.

Devonian, Onondagan Limestone.

Near Batavia, New York.

Hall Collection.

Referred Specimen: UC 11811; 1 specimen.

Hall, James, 1876, pl. 2B, fig. 3.

Devonian, Onondagan Limestone.

Clarence Hollow, New York.

Hall Collection.

Referred Specimen: UC 11812a; 1 specimen.

Hall, James, 1876, pl. 2A, figs. 4, 5.

Referred Specimen: UC 11812b; 1 specimen.

Hall, James, 1876, pl. 2A, fig. 6.

Referred Specimen: UC 11812; 1 specimen.

Hall, James, 1876, pl. 2A.

Devonian, Onondagan Limestone.

Sandusky, Ohio.

Hall Collection.

=*Favosites turbinatus* Billings, 1859

Fenton, C. L. and M. A. Fenton, 1936, pp. 29–31, 33–34.

Fenton, C. L. and M. A. Fenton, *in* Stumm, E. C., ed., 1950,
cards 314–315.

Stumm, E. C., 1964, p. 65.

Favosites hemisphericus (Troost, 1840)

Referred Specimen: UC 11808; 1 specimen.

Hall, James, 1876, pl. 2, fig. 1.

Referred Specimen: UC 37752; 1 specimen.

Hall, James, 1876, pl. 2, figs. 4, 5.

Devonian, Onondagan Limestone.

Falls of the Ohio.

=*Favosites turbinatus* Billings, 1859.

Referred Specimen: UC 11808; 1 specimen.

Fenton, C. L. and M. A. Fenton, 1936, pp. 29-31.

Fenton, C. L. and M. A. Fenton *in* Stumm, E. C., 1950, cards 314-315.

Stumm, E. C., 1964, p. 65.

Referred Specimen: UC 37752; 1 specimen.

Fenton, C. L. and M. A. Fenton, 1936, pp. 29-31, pl. 4, fig. 9.

Fenton, C. L. and M. A. Fenton *in* Stumm, E. C., 1950, cards 314-315, fig. 9.

Stumm, E. C., 1964, p. 65.

Referred Specimen: UC 37746; 1 specimen.

Fenton, C. L. and M. A. Fenton, 1936, pp. 29-31, pl. 4, fig. 8, pl. 5.

Fenton, C. L. and M. A. Fenton *in* Stumm, E. C., 1950, cards 314-315, figs.

Stumm, E. C., 1964, p. 65.

Devonian, Hamilton Group.

West Williams, Ontario.

Hall Collection

Favosites limitaris Rominger, 1876

Referred Specimen: P 21684a; 1 specimen.

Roy, S. K., 1929, p. 203, pl. 32, figs. 1-2.

Referred Specimen: P 21684b; 1 specimen.

Roy, S. K., 1929, p. 203, pl. 32, figs. 3-4.

Lower Devonian.

Louisville, Kentucky.

Remarks: *Favosites limitaris* Rominger, 1876 was changed to *Thamnopora limitaris* (Rominger, 1876) by Stumm, E. C., 1964, p. 68.

Favosites michelinoides Grubbs, 1939

Holotype: UC 46018; 1 specimen.

Grubbs, D. M., 1939, p. 548, pl. 61, figs. 21, 22.

Referred Specimens: UC 46019; 2 specimens.

Grubbs, D. M., 1939, p. 548.

Silurian, Niagaran Dolomite.

Federal Stone Co. Quarry, near Chicago, Illinois.
Grubbs Collection.

Favosites niagarensis Hall, 1852

Referred Specimen: UC 22039a; 1 specimen.
Fisher, D. J., 1925, p. 46, pl. 5, fig. 2.

Referred Specimens: UC 22039; 2 specimens.
Fisher, D. J., 1925, p. 46.

Silurian, Niagaran Formation.

Bridgeport Quarry, Chicago, Illinois.

Van Horne Collection.

Favosites patellatus Stumm, 1964

See: *Favosites hemispherica* var. *a* Hall, 1876.

Favosites placenta Rominger, 1876

Referred Specimen: UC 11820; 1 specimen.
Hall, James, 1876, pl. 35, figs. 1, 2.

Fenton, C. L. and M. A. Fenton, 1936, p. 33.

= *Favosites placentus* Rominger, 1876

Stumm, E. C., 1964, p. 64.

Middle Devonian, Hamilton Group.

Western New York.

Hall Collection.

Favosites placentus Rominger, 1876

See: *Favosites placenta* Rominger, 1876.

Favosites pyriformis (Hall, 1874)

Referred Specimen: UC 10390; 1 specimen.
Weller, S., 1903, p. 220, pl. 17, figs. 3-5.

Silurian, Decker Ferry Formation.

Nearpass Quarry, New Jersey.

S. Weller New Jersey Collection.

Favosites radiculatus Grubbs, 1939

Holotype: UC 46016; 1 specimen.

Grubbs, D. M., 1939, p. 548, pl. 61, fig. 19.

Referred Specimen: UC 46017; 1 specimen.

Grubbs, D. M., 1939, p. 548, pl. 61, fig. 8.

Silurian, Niagaran Dolomite.

Federal Stone Co. Quarry, near Chicago, Illinois.

Grubbs Collection.

Favosites sphericus (Hall, 1876)

Referred Specimen: UC 56596; 1 specimen.

Hall, J., 1887, pp. 9-10, pl. 7, figs. 3, 10.

Referred Specimen: UC 56597; 1 specimen.

Hall, J., 1887, pp. 9-10, pl. 7, fig. 5.

Referred Specimen: UC 56598; 1 specimen.

Hall, J., 1887, pp. 9-10, pl. 7, fig. 2.

Devonian, Helderbergian Limestone.

Albany County, New York.

Hall Collection.

Favosites tuberosa Rominger, 1876

Referred Specimen: UC 11814a; 1 specimen.

Hall, James, 1876, pl. 8, fig. 1.

Referred Specimen: UC 11814b; 1 specimen.

Hall, James, 1876, pl. 8, fig. 3.

Referred Specimen: UC 11814c; 1 specimen.

Hall, James, 1876, pl. 8, fig. 4.

Referred Specimen: UC 11814d; 1 specimen.

Hall, James, 1876, pl. 8, fig. 5.

Referred Specimen: UC 11814e; 1 specimen.

Hall, James, 1876, pl. 8, fig. 6.

=*Emmonsia tuberosa* (Rominger 1876)

Fenton, C. L. and M. A. Fenton, 1936, pp. 37-38, pl. 1, fig. 11
(UC 11814c).

Fenton, C. L. and M. A. Fenton, *in* Stumm, E. C., Fenton, C. L.,
and M. A. Fenton, 1949, card 218.

Stumm, E. C., 1964, p. 68.

Devonian, Onondagan Limestone.

Near Akron, New York.

Hall Collection.

Favosites turbinatus Billings, 1859

See: *Favosites hemispherica* var. *a* Hall, 1876.

Favosites hemisphericus (Troost, 1840).

Favosites hemisphericus var. *turbinatus* Billings, 1859.

Favosites valmeyerensis S. Weller, 1909

Holotype not designated; to be chosen from:

UC 13916a; 1 specimen.

Weller, S., 1909, pp. 274–275, pl. 10, fig. 1.

UC 13916b; 1 specimen.

Weller, S., 1909, pp. 274–275, pl. 10, fig. 2.

Mississippian, Fern Glen Formation.

Bluff at Salt Lick Point, opposite Valmeyer, Monroe County, Illinois.

S. Weller Collection, 1906.

Favosites variporous Grubbs, 1939

Holotype: UC 46020; 1 specimen.

Grubbs, D. M., 1939, p. 548, pl. 61, fig. 23.

Referred Specimen: UC 46021; 2 specimens.

Grubbs, D. M., 1939, p. 548.

Silurian, Niagaran Group.

Federal Stone Co. Quarry, near Chicago, Illinois.

Grubbs Collection.

Favosites sp.

Referred Specimen: PE 7101; 1 specimen.

Richardson, E. S., 1947, pp. 1, 2, figs. 1, 2.

Silurian.

Locality unknown.

Favosites sp.

Referred Specimen: UC 27551a; 1 specimen.

Stewart, G. A., *in* Branson, E. B., 1922, p. 222, pl. 57, fig. 9.

Referred Specimen: UC 27551b; 1 specimen.

Stewart, G. A., *in* Branson, E. B., 1922, p. 222, pl. 57, fig. 10.

Referred Specimen: UC 27551c; 1 specimen.

Devonian, Little Saline Limestone.

Little Saline Creek, near Ozora, Ste. Genevieve County, Missouri.

S. Weller Collection.

Genus and species unidentified Easton, 1944.

Referred Specimen: UC 31591a; 1 specimen in 2 parts.

Easton, W. H., 1944a, p. 48, pl. 17, figs. 13, 14.

Referred Specimen: UC 31591b; 1 specimen.

Easton, W. H., 1944a, p. 48.

=*Zaphrentis* ? *calyculus* S. A. Miller

Grove, B. H., in Walker Museum Catalogue.

Mississippian, Chouteau Limestone.

Sedalia, Missouri.

Sampson Collection.

Grabauphyllum johnstoni Foerste, 1917

Referred Specimen: P 5154a; 1 piece.

Stumm, E. C., 1968, pp. 71-73, pl. 1, fig. 2.

Referred Specimen: P 5154b; 1 piece.

Stumm, E. C., 1968, pp. 71-73, pl. 1, fig. 3.

Referred Specimen: P 5154c; 1 piece.

Stumm, E. C., 1968, pp. 71-73, pl. 1, fig. 4.

Referred Specimens: P 5154d; 1 piece and 1 slide.

Stumm, E. C., 1968, pp. 71-73, pl. 1, fig. 5.

Silurian, Niagaran Dolomite.

Vicinity of Chicago, Illinois.

Remarks: Hill, Dorothy, in Moore, R. C., ed., 1956, p. 298, made *Grabauphyllum johnstoni* (Foerste, 1917) into *Spongophyllum johnstoni* Foerste, 1917. One specimen yielded all cuts and slide.

Hadrophyllum tennesseense Miller and Gurley, 1895

Holotype not designated; to be chosen from:

UC 6617a; 1 specimen.

Miller, S. A. and W. F. Gurley, 1895, pp. 87-88, pl. 5, fig. 16.

UC 6617b; 1 specimen.

Miller, S. A. and W. F. Gurley, 1895, pp. 87-88, pl. 5, figs. 17-19.

Mississippian, Keokuk Group, "Silicified Subcarboniferous Beds."

Lincoln County, Tennessee.

Gurley Collection.

Hallia vesiculata Sloss, 1939

Holotype: UC 38738a; 1 peel.

Sloss, L. L., 1939, pp. 62-63, pl. 12, fig. 1.

Stumm, E. C., 1951, card 48, fig. 1.

Stumm, E. C., 1963, p. 144.

Holotype: UC 38738b; 1 peel.

Sloss, L. L., 1939, pp. 62-63, pl. 12, fig. 2, text fig. 3.

Stumm, E. C., 1951, card 48, fig. 2; card 49, fig. 3.

Stumm, E. C., 1963, p. 144, pl. 9, fig. 1.

Holotype: UC 38738; 1 specimen in 2 pieces and 8 peels.

Sloss, L. L., 1939, pp. 62-63.

Stumm, E. C., 1951, card 48.

Stumm, E. C., 1963, p. 144.

Referred Specimen: UC 38739a; 1 peel.

Sloss, L. L., 1939, pp. 62-63, pl. 12, fig. 3.

Stumm, E. C., 1951, card 48, fig. 3.

Stumm, E. C., 1963, p. 144.

Referred Specimen: UC 38739b; 1 peel.

Sloss, L. L., 1939, pp. 62-63, pl. 12, fig. 4.

Stumm, E. C., 1951, card 48, fig. 4.

Stumm, E. C., 1963, p. 144.

Referred Specimen: UC 38740; 1 specimen.

Sloss, L. L., 1939, pp. 62-63, pl. 12, figs. 13, 14.

Stumm, E. C., 1951, card 48, figs. 13, 14.

Stumm, E. C., 1963, p. 144, pl. 2, figs. 6, 7.

Referred Specimen: UC 38741; 1 specimen.

Sloss, L. L., 1939, pp. 62-63, pl. 12, figs. 15, 16.

Stumm, E. C., 1951, card 48, figs. 15, 16.

Stumm, E. C., 1963, p. 144.

Referred Specimen: UC 38753a; 1 peel.

Sloss, L. L., 1939, pp. 62-63, pl. 12, fig. 6.

Stumm, E. C., 1951, card 48, fig. 6.

Stumm, E. C., 1963, p. 144.

Referred Specimen: UC 38753b; 1 peel.

Sloss, L. L., 1939, pp. 62-63, pl. 12, fig. 7.

Stumm, E. C., 1951, card 48, fig. 7.

Stumm, E. C., 1963, p. 144.

Referred Specimens: UC 38739; 1 specimen and 7 peels. UC 38753;
1 specimen in 2 pieces and 11 peels.

Sloss, L. L., 1939, pp. 62-63.

Stumm, E. C., 1951, card 48.

Stumm, E. C., 1963, p. 144.

Devonian, Traverse Beds, Petoskey Zone.

Mud Lake Quarry, East Bay View, NE $\frac{1}{4}$ of NW $\frac{1}{4}$ sec. 34, T.
35 N., R. 5 W., Emmet County, Michigan.

Sloss Collection.

Referred Specimen: UC 38742a; 1 peel.

Sloss, L. L., 1939, pp. 62-63, pl. 12, fig. 9.

Stumm, E. C., 1951, card 48, fig. 9.

Stumm, E. C., 1963, p. 144.

Referred Specimen: UC 38742b; 1 peel.

Sloss, L. L., 1939, pp. 62-63, pl. 12, fig. 10.

Stumm, E. C., 1951, card 48, fig. 10.

Stumm, E. C., 1963, p. 144.

Referred Specimen: UC 38742c; 1 peel.

Sloss, L. L., 1939, pp. 62-63, pl. 12, fig. 11.

Stumm, E. C., 1951, card 48, fig. 11.

Stumm, E. C., 1963, p. 144.

Referred Specimen: UC 38742d; 1 peel.

Sloss, L. L., 1939, pp. 62-63, pl. 12, fig. 12.

Stumm, E. C., 1951, card 48, fig. 12.

Stumm, E. C., 1963, p. 144.

Referred Specimen: UC 38742; 1 specimen in 3 pieces and 10 peels.

Sloss, L. L., 1939, pp. 62-63.

Stumm, E. C., 1951, card 48.

Stumm, E. C., 1963, p. 144.

Devonian, Traverse Beds, Petoskey Zone.

1 $\frac{1}{2}$ miles east of Bay View on U.S. Highway 31, 200 yards east of
intersection of Michigan Highway 131. NE $\frac{1}{4}$ of NW $\frac{1}{4}$,
sec. 34, T. 35 N., R. 5 W., Emmet County, Michigan.

Sloss Collection.

See also: *Hallia zonata* Sloss, 1939

Hallia zonata Sloss, 1939

Holotype: UC 38743a; 1 peel.

Sloss, L. L., 1939, pp. 63-64, pl. 12, fig. 17, text fig. 4.

Stumm, E. C., 1951, card 50, fig. 17, text fig. 4.

Holotype: UC 38743b; 1 peel.

Sloss, L. L., 1939, pp. 63-64, pl. 12, fig. 18.

Stumm, E. C., 1951, card 50, fig. 18.

Holotype: UC 38743; 1 specimen in 3 pieces and 8 peels. Specimen sectioned since illustrated.

Sloss, L. L., 1939, pp. 63-64, pl. 12, figs. 19-21.

Stumm, E. C., 1951, card 50, figs. 19-21.

= *Hallia vesiculata* Sloss, 1939

Stumm, E. C., 1963, p. 144.

Devonian, Traverse Beds, Petoskey Zone.

Mud Lake Quarry, East Bay View, NE $\frac{1}{4}$ of NW $\frac{1}{4}$ sec. 34, T. 35 N., R. 5 W., Emmet County, Michigan.

Sloss Collection.

Halysites agglomeratiformis Whitfield, 1900

Referred Specimen: P 28831; 2 slides.

Roy, S. K., 1941, pp. 77-79, figs. 39a-c.

Ordovician, Richmond Group.

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

Roy Collection.

Halysites catenularia Linnaeus, 1767

Referred Specimen: UC 10391; 1 specimen.

Weller, S., 1903, p. 222, pl. 17, figs. 6-8.

Silurian, Decker Ferry Formation.

Nearpass Quarry, New Jersey.

S. Weller Collection.

Halysites cf. gracilis (Hall, 1851)

Referred Specimen: P 28832; 1 specimen, 2 slides.

Roy, S. K., 1941, p. 79-80, figs. 40a, b.

Ordovician, Richmond Group.

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

Rawson and Macmillan Expedition, 1927.

Hapsiphyllum casedayi (Milne-Edwards, 1860)

Referred Specimens: UC 26600; 5 specimens.

Grove, B. H., 1935, pp. 362-364
 Mississippian, St. Louis Group, Warsaw "Division."
 Warsaw, Illinois.
 Van Tuyl Collection.

Heliophyllum alternatum Hall, 1882

Referred Specimen: UC 11862; 1 specimen.
 Hall, James, 1882, p. 45.
 Hall, James, 1883b, p. 305, pl. 24, fig. 5.
 = *Aulacophyllum bilaterale* Hall, 1882
 Hall, James, 1882, p. 25.
 Hall, James, 1884, p. 429, pl. 27, fig. 5.
 = *Blothrophyllum triscultatum* (Hall, 1882)
 Stumm, E. C., 1964, p. 50, pl. 34, figs. 12, 13.
 Middle Devonian, Jeffersonville Limestone.
 Falls of the Ohio.
 Hall Collection.

Heliophyllum arachne ? Hall, 1876

See: *Heliophyllum halli* var. *reflexum* Hall, 1876.

Heliophyllum confluens Hall, 1876

Referred Specimens: UC 23430; 1 specimen and 4 slides. UC 37759;
 1 specimen in 2 pieces. UC 37760; 1 specimen in 4 pieces. UC
 37761; 1 specimen in 4 pieces and 1 additional specimen.
 UC 37762; 1 specimen. UC 37763; 1 specimen. UC 37764;
 1 specimen. UC 37765; 1 specimen and 1 peel. UC 37766;
 1 specimen. UC 37767; 1 specimen.
 Hall, James, 1876, pls. 26, 27.
 = *Heliophyllum halli confluens* (Hall, 1876)
 Slocum, A. W., 1933, in Walker Museum Catalogue.
 = *Heliophyllum obconicum confluens* (Hall, 1876)
 Referred Specimen: UC 37759; 1 specimen in 2 pieces.
 Fenton, C. L. and M. A. Fenton, 1938, pp. 221, 222, text fig. 19.
 Referred Specimen: UC 37760; 1 specimen in 4 pieces.
 Fenton, C. L. and M. A. Fenton, 1938, pp. 221, 222, text fig. 17.
 Referred Specimen: UC 37762; 1 specimen.
 Fenton, C. L. and M. A. Fenton, 1938, pp. 221, 222, text fig. 14.

Referred Specimen: UC 37763; 1 specimen.

Fenton, C. L. and M. A. Fenton, 1938, pp. 221, 222, text fig. 16.

Referred Specimen: UC 37764; 1 specimen.

Fenton, C. L. and M. A. Fenton, 1938, pp. 221, 222, text fig. 18.

Referred Specimen: UC 37765; 1 specimen and 1 peel.

Fenton, C. L. and M. A. Fenton, 1938, pp. 221, 222, pl. 21, fig. 1.

Referred Specimen: UC 37767; 1 specimen.

Fenton, C. L. and M. A. Fenton, 1938, pp. 221, 222, text fig. 15.

Devonian, Hamilton Group.

East Bethany, New York.

Hall Collection.

Heliophyllum degener Hall, 1876

Referred Specimen: UC 37758; 1 specimen.

Hall, James, 1876, pl. 25.

= *Heliophyllum halli degener* (Hall, 1876)

Fenton, C. L. and M. A. Fenton, 1938, pp. 214-215.

Middle Devonian, Hamilton Group.

East Bethany, New York.

Hall Collection.

Heliophyllum dispassum Fenton and Fenton, 1924

Holotype: UC 26045; 1 specimen.

Fenton, C. L. and M. A. Fenton, 1924, p. 27, pl. 10, fig. 4-5.

Devonian, Hackberry Stage, *Spirifer* Zone.

Clay Pit, Rockford, Iowa.

Fenton Collection.

Heliophyllum gemmatum Hall, 1882

Referred Specimen: UC 35872; 1 specimen and 1 slide.

Hall, James, 1882, p. 49.

Hall, James, 1883b, p. 310, pl. 26, fig. 12.

Hall, James, 1884, p. 453.

= *Cylindrophyllum compactum* (Hall, 1882)

Stumm, E. C., 1964, p. 42.

Devonian, Jeffersonville Limestone.

Falls of the Ohio.

Hall Collection.

Heliophyllum halli Milne-Edwards and Haime, 1850

Referred Specimens: UC 11818; 1 specimen. UC 23360; 7 slides.

Hall, James, 1876, pl. 23, fig. 1.

Stumm, E. C., 1964, p. 36.

Referred Specimens: UC 37777; 1 specimen in 2 pieces. UC 37778;
1 specimen. UC 37779; 1 specimen in 2 pieces.

Hall, James, 1876, pls. 23, 25.

Fenton, C. L. and M. A. Fenton, 1938, pp. 211, 212, 214.

Stumm, E. C., 1964, p. 36.

Middle Devonian, Hamilton Group.

Western New York.

Hall Collection.

Heliophyllum halli confluens (Hall, 1876)

See: *Heliophyllum confluens* Hall, 1876.

Heliophyllum halli degener (Hall, 1876)

See: *Heliophyllum degener* Hall, 1876.

Heliophyllum halli irregulare Hall, 1876

See: *Heliophyllum irregulare* Hall, 1876.

Heliophyllum halli obconicum Hall, 1876

Referred Specimen: UC 23429; 1 peel, 1 specimen in 3 pieces, 1
slide.

Hall, James, 1876, pl. 25.

Devonian, Hamilton Group.

East Bethany, New York.

Hall Collection.

Referred Specimen: UC 37755; 1 specimen in 2 pieces.

Hall, James, 1876, pl. 25.

Devonian, Hamilton Group.

Genessee County, New York.

Referred Specimen: UC 37756; 1 specimen in 2 pieces.

Hall, James, 1876, pl. 25.

Devonian, Hamilton Group.

Hill's Gulch, LeRoy, New York.
Hall Collection.

Referred Specimen: UC 37757; 3 slides.
Hall, James, 1876, pl. 25.

Devonian, Hamilton Group.
East Bethany, New York.
Hall Collection.

= *Heliophyllum obconicum* (Hall, 1876)
Fenton, C. L. and M. A. Fenton, 1938, pp. 219, 221.

Heliophyllum halli var. **reflexum** Hall, 1876

Cast of Holotype: UC 37729; 2 casts. Designated by Fenton,
C. L. and M. A. Fenton, 1938, p. 224.
Hall, James, 1876, pl. 23, fig. 6.

= *Heliophyllum reflexum* Hall, 1876
Fenton, C. L. and M. A. Fenton, 1938, pp. 224, 225.

Middle Devonian, Hamilton Group.
York, New York.
Fenton Collection.

Remarks: The specimen from which the cast and figures were made
is New York State Museum no. 3441/1.

Cast of Referred Specimen: UC 37730; 1 cast.
Hall, James, 1876, pl. 23, figs. 8-11.

= *Heliophyllum arachne* ? Hall, 1876
Fenton, C. L. and M. A. Fenton, 1938, pp. 224, 225.

Middle Devonian, Hamilton Group.
Livingston County, New York.
Fenton Collection.

Remarks: The specimen from which the cast and figure were made
is New York State Museum no. 3441/2.

Heliophyllum irregulare Hall, 1876

Cast of Referred Specimen: UC 37727; 1 specimen in 2 pieces.
Hall, James, 1876, pl. 24, figs. 3-5.

Middle Devonian, Hamilton Group.
Western New York.
Hall Collection.

Remarks: The specimen from which the cast and figures were made is New York State Mus. no. 3440/2. A holotype has not been designated from the original Hall material.

Cast of Referred Specimen: UC 37728; 1 specimen in 2 pieces.
Hall, James, 1876, pl. 24, fig. 6.

Middle Devonian, Hamilton Group.

Darien, New York.

Hall Collection.

Remarks: The specimen from which the cast and figure were made is New York State Mus. no. 3440/3.

= *Heliophyllum halli irregulare* Hall, 1876

Fenton, C. L. and M. A. Fenton, 1938, pp. 215-216.

Referred Specimen: UC 37722; 1 specimen in 2 pieces.

Fenton, C. L. and M. A. Fenton, 1938, pp. 215-216, text fig. 8,
pl. 18, fig. 3.

Middle Devonian, Hamilton Group, Moscow Shale.

Western New York.

Hall Collection.

Heliophyllum juvene (Rominger, 1876)

Referred Specimen: UC 38706; 1 peel, 1 piece of 1 specimen.

Sloss, L. L., 1939, pp. 58-59, pl. 9, fig. 14.

Referred Specimen: UC 38707a; 1 peel.

Sloss, L. L., 1939, pp. 58-59, pl. 9, fig. 15.

Referred Specimen: UC 38707b; 1 sectioned specimen.

Sloss, L. L., 1939, pp. 58-59, pl. 9, fig. 17.

Referred Specimen: UC 38705; 1 slide.

Sloss, L. L., 1939, pp. 58-59, pl. 9, fig. 16.

Referred Specimen: UC 38707; 3 peels.

Sloss, L. L., 1939, pp. 58-59.

Devonian, Traverse Beds, Gravel Point Zone.

Bell Quarry, 2.3 miles east of Charlevoix County line on U.S. Highway 31, NE $\frac{1}{4}$, sec. 8, T. 34 N., R. 6 W., Emmet County, Michigan.

Sloss Collection.

Remarks: Specimens of this species were assigned to *Heliophyllum tenuiseptatum* Billings, 1859, by Stumm, E. C., 1964, p. 37.

Heliophyllum obconicum (Hall, 1876)

See: *Heliophyllum halli obconicum* Hall, 1876.

Heliophyllum obconicum confluens (Hall, 1876)

See: *Heliophyllum confluens* Hall, 1876.

Heliophyllum obconicum teres Fenton and Fenton, 1938

Referred Specimen: UC 33393; 1 specimen in 6 pieces and 7 peels.

Fenton, C. L. and M. A. Fenton, 1938, pp. 222-223, text. fig. 13.

Middle Devonian, Hamilton Group.

Genessee County, New York.

Gurley Collection.

Referred Specimen: UC 33394; 1 specimen in 4 pieces and 3 peels.

Fenton, C. L. and M. A. Fenton, 1938, pp. 222-223, pl. 20, fig. 7.

Referred Specimen: UC 20793a; 1 peel.

Fenton, C. L. and M. A. Fenton, 1938, pp. 222-223, pl. 21, fig. 2.

Referred Specimen: UC 20793b; 1 peel.

Fenton, C. L. and M. A. Fenton, 1938, pp. 222-223, pl. 21, fig. 3.

Referred Specimen: UC 20793; 2 peels.

Fenton, C. L. and M. A. Fenton, 1938, pp. 222-223, text fig. 11.

Middle Devonian, Hamilton Group, Moscow Shale.

Livingston County, New York.

Tiffany Collection.

Heliophyllum reflexum Hall, 1876

See: *Heliophyllum halli* var. *reflexum* Hall, 1876.

Heliophyllum solidum Hall and Whitfield, 1873

Referred Specimen: UC 26002; 1 specimen.

Fenton, C. L. and M. A. Fenton, 1924, p. 28, pl. 1, fig. 4.

Referred Specimen: UC 26003; 1 specimen.

Fenton, C. L. and M. A. Fenton, 1924, p. 28, pl. 1, fig. 5.

Upper Devonian, Hackberry Shale, Cerro Gordo Substage.

Clay pit, Rockford, Iowa.

Fenton Collection.

Heliophyllum tenuiseptatum Billings, 1859

See: *Heliophyllum juvene* (Rominger, 1876).

Heterophrentis irregularis (Hall, 1882)

See: *Zaphrentis irregularis* Hall, 1882.

Heterophrentis ovalis (Hall, 1882)

See: *Zaphrentis ovalis* Hall, 1882.

Heterophrentis rafinesqui (Edwards and Haime, 1851)

Referred Specimen: UC 11882; 1 specimen.

Stumm, E. C., 1964, p. 21, pl. 43, figs. 1, 2.

Devonian, Onondagan Limestone.

Falls of the Ohio.

Hall Collection.

Remarks: S. Weller in Walker Museum Catalogue indicates James Hall illustrated this specimen as *Zaphrentis* sp. but did not publish the figure.

Heterophrentis rafinesqui (Edwards and Haime, 1851)

See: *Aulacophyllum reflexum* Hall, 1882.

Hexagonaria bassleri (Webster and Fenton, 1924)

See: *Acervularia bassleri* Webster and Fenton, 1924.

Hexagonaria bassleri depressa (Webster and Fenton, 1924)

See: *Acervularia bassleri depressa* Webster and Fenton, 1924.

Hexagonaria bassleri magna (Webster and Fenton, 1924)

See: *Acervularia bassleri magna* Webster and Fenton, 1924.

Hexagonaria cristatum (Rominger, 1876)

See: *Prismatophyllum cristatum* (Rominger, 1876).

Hexagonaria inequalis (Hall and Whitfield, 1873)

See: *Acervularia inequalis* Hall and Whitfield, 1873.

Hexagonaria pauciseptata (Sloss, 1939)

See: *Prismatophyllum pauciseptatum* Sloss, 1939.

Hexagonaria percarinata (Sloss, 1939)

See: *Prismatophyllum percarinatum* Sloss, 1939.

Hexagonaria whitfieldi (Fenton and Fenton, 1924)

See: *Acerularia whitfieldi* Fenton and Fenton, 1924.

Homalophyllum calceolum (White and Whitfield, 1862)

Referred Specimen: UC 31584A-1; 1 specimen.

Grove, B. H., 1935, pp. 354-358, pl. 9, figs. 20-21.

Referred Specimen: UC 31584A-2; 1 specimen.

Grove, B. H., 1935, pp. 354-358, pl. 9, fig. 22.

Referred Specimen: UC 31584A-3; 1 specimen.

Grove, B. H., 1935, pp. 354-358; pl. 9, fig. 23.

Referred Specimen: UC 31584A-4; 1 slide.

Grove, B. H., 1935, pp. 354-358, pl. 13, fig. 1.

Referred Specimen: UC 31584A-5; 1 slide.

Grove, B. H., 1935, pp. 354-358, pl. 13, fig. 2.

Referred Specimen: UC 31584A-6; 1 slide.

Grove, B. H., 1935, pp. 354-358, pl. 13, fig. 4.

Referred Specimen: UC 31584A; 2 slides.

Grove, B. H., 1935, ppl. 354-358.

= *Hapsiphyllum* (*Homalophyllites*) *calceolus* (White and Whitfield, 1862)

Easton, W. H., 1944a, pp. 43-44.

Mississippian, Chouteau Limestone.

Sedalia, Missouri.

Sampson Collection.

Koninckophyllum talonatum Easton, 1943

Holotype: UC 48257; 1 specimen, 3 fragments, and 16 peels.

Easton, W. H., 1943a, pp. 129, 134, pl. 21, figs. 4-7.

Mississippian, Pitkin Formation, nodular limestone 24 in. thick with shale, near base of Pitkin.

In bluff, north of road at gully near foot of hill, northeast of Limestone, Arkansas. NW $\frac{1}{4}$, sec. 8, T.14N., R.21W.

Easton Collection.

Referred Specimen: UC 48259; 1 specimen.

Easton, W. H., 1943a, pp. 129, 134, pl. 21, fig. 3.

Mississippian, Pitkin Formation, very impure limestone and shale.

In small quarry on downthrow side of fault in road cut on hill 0.52 miles east of post office at Leslie, Searcy County, Arkansas.

Easton Collection.

Laccophyllum acuminatum Simpson, 1900

Referred Specimens: UC 51807; 1 slide. UC 51808; 9 specimens.

Ball, J. R. and B. H. Grove, 1940, pp. 383, 385-389.

Silurian, Bainbridge Formation, *Pisocrinus* Beds.

2¼ miles southeast of Ozora, Ste. Genevieve County, Missouri.

Ball Collection.

Remarks: Hill, Dorothy, *in* Moore, R. C., ed., 1956, p. 258, equated this genus with *Syringaxon*.

Laccophyllum petaloides Ball and Grove, 1940

Holotype: UC 34511; 1 specimen.

Ball, J. R. and B. H. Grove, 1940, pp. 385-389, pl. 2, figs. 4, 5.

Referred Specimen: UC 45187; 1 specimen.

Ball, J. R. and B. H. Grove, 1940, pp. 385-389, pl. 2, fig. 6, p. 387, fig. 2.

Referred Specimen: UC 45188; 1 specimen.

Ball, J. R. and B. H. Grove, 1940, pp. 385-389, pl. 2, fig. 3.

Referred Specimens: UC 51800 [not UC 39151]; 2 slides.

Ball, J. R. and B. H. Grove, 1940, pp. 385-389, pl. 4, figs. 4, 5.

Referred Specimens: UC 51801; 3 specimens. UC 51802; 2 specimens. UC 51803; 3 specimens. UC 51804; 1 specimen. UC 51805; 18 specimens. UC 51806; 7 specimens.

Ball, J. R. and B. H. Grove, 1940, pp. 385-389.

Silurian, Bainbridge Formation, *Pisocrinus* Beds.

2¼ miles southeast of Ozora, Ste. Genevieve County, Missouri.

Ball Collection.

Remarks: Hill, Dorothy, *in* Moore, R. C., ed., 1956, p. 258, equated this genus with *Syringaxon*. Ball and Grove, 1940, illustrated additional specimens on pl. 4, figs. 1-3, 7-10, but did not designate the source of these drawings and we are unable to identify the illustrated specimens.

Lonsdaleia major Easton, 1943

Holotype: UC 48261a; 1 specimen in 7 pieces.

Easton, W. H., 1943a, p. 135, pl. 21, fig. 11.

Holotype: UC 48261b; 1 peel.

Easton, W. H., 1943a, p. 135, pl. 21, fig. 12.

Holotype: UC 48261c; 1 peel.

Easton, W. H., 1943a, p. 135, pl. 21, fig. 13.

Mississippian, Pitkin Formation, fine-grained limestone.

Above road cut at fault, 0.52 miles east of post office at Leslie,
Searcy County, Arkansas.

Easton Collection.

Lonsdaleia minor Easton, 1943

Holotype: UC 48256; 1 specimen and 2 slides.

Easton, W. H., 1943a, pp. 135-136, pl. 21, figs. 1, 2.

Mississippian, Middle Pitkin Formation.

Bluff traversed by gully heading at southwest corner of school yard
at Icedo, Arkansas.

Easton Collection.

Lophophyllum profundum (Milne-Edwards and Haime, 1958)

Referred Specimen: UC 16164a; 1 specimen.

Mather, K. F., 1915, pp. 91-93, pl. 1, fig. 13.

Referred Specimen: UC 16164b; 2 specimens.

Mather, K. F., 1915, pp. 91-93.

Pennsylvanian, Morrow Formation.

Fort Gibson, Oklahoma, Station 301.

Mather Collection.

Remarks: Referred Specimens UC 16164b were used to make the
peels figured in Mather, 1915, pl. 1, figs. 11, 12.

Lyellia striata U. P. James, 1878

Referred Specimens: UC 1887; 2 specimens.

James, U. P., 1878, p. 10.

= *Strombodes pygmaeus* Foerste, 1888

Foerste, A. F., 1888, p. 120, pl. 13, fig. 18.

= *Arachnophyllum mamillare-wilmingtonensis* Foerste, 1906

Foerste, A. F., 1906, p. 320.

= *Strombodes mamillaris wilmingttonensis* (Foerste, 1906)
Bassler, R. S., 1915, pp. 772, 1,220.

Silurian, Niagaran Group.

Wilmington, Clinton County, Ohio.

U. P. James Collection.

Remarks: Hill, Dorothy and E. C. Stumm, *in* Moore, R. C., ed.,
1956, p. 460, equated this genus with *Propora*.

Michelinia branneri Miller and Gurley, 1894

Holotype: UC 6471; 1 specimen.

Miller, S. A. and W. F. Gurley, 1894, p. 61, pl. 7, figs. 12-13.

= *Pleurodictyum eugenei* (White, 1884)

Easton, W. H., 1943a, p. 136.

Pennsylvanian.

Danville, Illinois.

Gurley Collection.

Michelinia clappi (Milne-Edwards and Haime, 1851)

Referred Specimen: UC 37783; 1 specimen.

Hall, James, 1876, pl. 17.

= *Chonostegites clappi* Milne-Edwards and Haime, 1851

Fenton, C. L. and M. A. Fenton, 1936, pp. 42-43.

Fenton, C. L. and M. A. Fenton, 1947, *in* Stumm, E. C. ed.,
card 48.

Stumm, E. C., 1964, p. 83.

Devonian, Onondagan Limestone.

Cayuga, Ontario.

Hall Collection.

Michelinia convexa d'Orbigny, 1849

See: *Michelinia (Pleurodictyum) convexa* d'Orbigny, 1849.

Michelinia (Pleurodictyum) convexa d'Orbigny, 1849

Referred Specimen: UC 12916; 1 specimen.

Hall, James, 1876, pl. 15, fig. 1.

= *Michelinia convexa* d'Orbigny, 1849

Museum Catalogue.

= *Pleurodictyum convexum* (d'Orbigny, 1849)

Fenton, C. L. and M. A. Fenton, *in* Stumm, E. C., ed., 1950,
card 336.

Devonian, Onondagan Limestone.
Near Clarence Hollow, New York.
Hall Collection.

Michelinia eugeneae White, 1884

Referred Specimen: UC 16161a; 1 specimen.
Mather, K. F., 1915, p. 95, pl. 1, figs. 17, 17a.

Referred Specimen: UC 16161b; 1 specimen.
Mather, K. F., 1915, p. 95, pl. 2, fig. 1.
Pennsylvanian, Morrow Formation.
Near Fort Gibson, Oklahoma, station 301.
Mather Collection.

Referred Specimen: UC 48283; 1 specimen in 2 pieces.
Easton, W. H., 1942, pl. 1, fig. 4.
Mississippian, Pitkin Formation.
Upper part of Pitkin at small dry creek 2 miles east of Watts,
Arkansas.
Easton Collection.

= *Pleurodictyum eugenei* (White, 1884)
Easton, W. H., 1943a, p. 136.

Referred Specimen: UC 48282; 1 specimen.
Easton, W. H., 1943a, p. 136.
Mississippian, Pitkin Formation.
Very impure limestone and shale in small quarry on downthrow
side of fault in road cut on hill 0.52 miles east of post office at
Leslie, Arkansas.
Easton Collection.

Referred Specimen: UC 48284; 1 specimen.
Easton, W. H., 1943a, p. 136.
Mississippian, Pitkin Formation.
Near top of Pitkin on north side of valley one-quarter mile east
of road, 1 mile south of Cane Hill, Arkansas, in SE $\frac{1}{4}$, sec. 8,
T.14N., R.32W.
Easton Collection.

Michelinia exilimura Mather, 1915

Holotype: UC 16160; 1 specimen in 9 pieces.
Mather, K. F., 1915, pp. 96-97, pl. 2, fig. 2.
Pennsylvanian, Morrow Formation.
Near Chouteau, Oklahoma, Station 297.
Mather Collection.

Michelinia expansa White, 1880

Holotype: UC 6687; 1 specimen.
White, C. A., 1880, p. 158, pl. 39, figs. 2a, 2b.
= *Pleurodictyum expansum* (White, 1880)
Easton, W. H., 1944a, p. 55, pl. 17, fig. 2.
Mississippian, Chouteau Limestone.
Sedalia, Missouri.
White Collection.

Michelinia favosoidea Billings, 1858

Referred Specimen: UC 12913; 1 specimen.
Hall, James, 1876, pl. 17, fig. 4.
= *Pleurodictyum favosoideum* (Billings, 1858)
Fenton, C. L. and M. A. Fenton, 1936, p. 40.
Fenton, C. L. and M. A. Fenton, in Stumm, E. C., ed., 1950,
card 341, fig. 4.
Devonian, Onondagan Formation.
Rama's Farm, Port Colborne, Ontario.
Hall Collection.

Michelinia (Pleurodictyum) maxima (Troost, 1840)

Referred Specimen: UC 12914; 1 specimen.
Hall, James, 1876, pl. 16, fig. 3.
= *Pleurodictyum maximum* (Troost, 1840)
Fenton, C. L. and M. A. Fenton, 1936, pp. 41-42.
Fenton, C. L. and M. A. Fenton, in Stumm, E. C., ed., 1950,
card 345.
Stumm, E. C., 1964, p. 78.
Devonian, Onondagan Limestone.
Falls of the Ohio.
Hall Collection.

Michelinia meekana Girty, 1910

Referred Specimen: UC 16192; 1 specimen.

Snider, L. S., 1915, pp. 71-72, pl. 3, fig. 11.

Mississippian, Fayetteville Limestone.

In road, near south end of line between secs. 21 and 22, T.25N.,
R.21E., Vinita Quadrangle, Oklahoma.

Snider Collection.

Referred Specimen: UC 16194; 1 specimen.

Snider, L. S., 1915, pp. 71-72, pl. 3, fig. 9.

Mississippian, Fayetteville Limestone.

SW $\frac{1}{4}$, sec. 6, T.22N., R.20E., Pryor Quadrangle, Oklahoma.

Snider Collection.

= *Pleurodictyum meekanum* (Girty, 1910).

Easton, W. H., 1943a, p. 136.

Michelinia (Pleurodictyum) stylopora (Eaton, 1832)

Referred Specimens: UC 11817; 1 specimen. UC 11841; 1 specimen.

Hall, James, 1876, pl. 18, fig. 5 (UC 11817), fig. 6 (UC 11841).

= *Pleurodictyum stylopora* (Eaton, 1832)

Fenton, C. L. and M. A. Fenton, 1936, p. 42.

Fenton, C. L. and M. A. Fenton, in Stumm, E. C., ed., 1950,
card 352, fig. 5 (UC 11817), fig. 6 (UC 11841) and card 353.

= *Michelinia stylopora* (Eaton, 1832)

S. Weller in Walker Museum Catalogue.

Devonian, Hamilton Group.

Western New York.

Hall Collection.

Michelinia stylopora (Eaton, 1832)

See: *Michelinia (Pleurodictyum) stylopora* (Eaton, 1832).

Michelinia subcylindrica Mather, 1915

Holotype not designated; to be chosen from:

UC 16159a; 1 specimen.

Mather, K. F., 1915, p. 97, pl. 1, fig. 18.

UC 16159; 7 specimens.

Mather, K. F., 1915, p. 97.

Pennsylvanian, Morrow Formation.

Near Ft. Gibson, Oklahoma, Station 301.
Mather Collection.

Monilopora crassa McCoy, 1844

Referred Specimen: UC 4707a; 1 specimen.
Weller, S., 1909, pp. 275-276, pl. 10, figs. 31-32.

Referred Specimen: UC 4707b; 1 specimen.
Weller, S., 1909, pp. 275-276, pl. 10, fig. 33.

Mississippian, Fern Glen Limestone.

Railroad cut a little over 1 mile south of Kimmswick, Missouri.
S. Weller Collection.

Remarks: *Monilopora* Nicholson and Etheridge, 1879 = *Cladochonus* McCoy, 1847.

Hill, Dorothy and E. C. Stumm, in Moore, R. C., ed., 1956, p. 472.

Naos ovatus (Sloss, 1939)

See: *Chonophyllum ovatum* Sloss, 1939.

Naos ponderosum (Rominger, 1876)

See: *Chonophyllum ponderosum* Rominger, 1876.

Neozaphrentis tenella (Miller, 1891)

Referred Specimen: UC 31593a; 1 specimen.
Grove, B. H., 1935, pp. 360-361, pl. 9, fig. 7.
Easton, W. H., 1944a, p. 45.

Referred Specimen: UC 31593b; 1 specimen.
Grove, B. H., 1935, pp. 360-361, pl. 9, fig. 8.
Easton, W. H., 1944a, p. 45.

Referred Specimen: UC 31593c; 1 specimen.
Grove, B. H., 1935, pp. 360-361, pl. 9, fig. 6.
Easton, W. H., 1944a, p. 45.

Mississippian, Chouteau Limestone.

Near Sedalia, Missouri.

Sampson Collection

Nyctopora billingsi Nicholson, 1879

Referred Specimen: UC 37871; 3 slides.

Weller, S., 1903, pp. 137–138, pl. 7, figs. 1, 2.
 Ordovician, Trenton Limestone.
 North end of Drakes Pond, 1 mile southeast of Newton, New
 Jersey.
 S. Weller New Jersey Collection.

Pachyphyllum crassicostatum Webster, 1889

Cast of Referred Specimen: UC 26113; 1 specimen.

Webster, C. L., 1889, pp. 623–624.

Fenton, C. L. and M. A. Fenton, 1924, p. 51, pl. 8, fig. 1.

Stumm, E. C., 1955, card 280, fig. 1.

Cast of Referred Specimen: UC 26114A; 1 specimen.

Webster, C. L., 1889, pp. 623–624.

Fenton, C. L. and M. A. Fenton, 1924, p. 51, pl. 9, fig. 1.

Stumm, E. C., 1955, card 279, fig. 1.

Cast of Referred Specimen: UC 26114B; 1 specimen.

Webster, C. L., 1889, pp. 623–624.

Fenton, C. L. and M. A. Fenton, 1924, p. 51, pl. 9, fig. 3.

Stumm, E. C., 1955, card 279, fig. 3.

Cast of Referred Specimens: UC 26114C; 2 specimens.

Webster, C. L., 1889, pp. 623–624.

Fenton, C. L. and M. A. Fenton, 1924, p. 51.

Stumm, E. C., 1955, card 279.

Devonian, Owen Substage, Hackberry Shale.

Owen Grove, Iowa.

Fenton Collection.

Referred Specimen: UC 26019; 1 specimen.

Fenton, C. L. and M. A. Fenton, 1924, p. 51, pl. 9, fig. 4.

Stumm, E. C., 1955, card 279, fig. 4.

Referred Specimen: UC 26020; 1 specimen.

Fenton, C. L. and M. A. Fenton, 1924, p. 51, pl. 9, fig. 5.

Stumm, E. C., 1955, card 279, fig. 5.

Devonian, Owen Substage, Hackberry Shale.

Hackberry Creek, Iowa.

Fenton Collection.

Remarks: The specimens from which both casts and figures were
 made are in the C. L. Webster Collection.

Pachyphyllum crassicostatum nanum Fenton and Fenton, 1924

Holotype: UC 26018; 1 specimen.

Fenton, C. L. and M. A. Fenton, 1924, pp. 52-53, pl. 9, fig. 6.

Stumm, E. C., 1955, card 291, fig. 6.

Upper Devonian, Hackberry Shale, *Spirifer* Zone.

Hackberry Grove, Iowa.

Fenton Collection.

Pachyphyllum irregulare Webster and Fenton, 1924

Cast of Holotype: UC 26111; 1 specimen.

Fenton, C. L. and M. A. Fenton, 1924, pp. 49-50, pl. 11, fig. 1.

Stumm, E. C., 1955, card 285, fig. 1.

Cast of Referred Specimens: UC 26112; 2 specimens.

Fenton, C. L. and M. A. Fenton, 1924, pp. 49-50, pl. 10, fig. 2.

Stumm, E. C., 1955, card 284, fig. 1.

Upper Devonian, Hackberry Shale, *Spirifer* Zone.

Hackberry Grove, Iowa.

Fenton Collection.

Remarks: Specimens from which the casts and figures were made are in the C. L. Webster Collection.

Pachyphyllum levatum Webster and Fenton, 1924

Cast of Holotype: UC 26115; 1 specimen.

Fenton, C. L. and M. A. Fenton, 1924, pp. 48-49, pl. 12, fig. 10.

Stumm, E. C., 1955, card 286-287, fig. 10.

Upper Devonian, Hackberry Shale, *Spirifer* Zone.

Hackberry Grove, Iowa.

Fenton Collection.

Cast of Referred Specimen: UC 26116; 1 specimen.

Fenton, C. L. and M. A. Fenton, 1924, pp. 48-49, pl. 5, fig. 4.

Stumm, E. C., 1955, card 286-287, fig. 4.

Upper Devonian, Hackberry Shale, *Spirifer* Zone.

Rockford, Iowa.

Fenton Collection.

Remarks: Specimens from which the casts and figures were made are in the C. L. Webster Collection.

Pachyphyllum ordinatum Webster, 1889

Cast of Holotype: UC 26107; 1 specimen.

Webster, C. L., 1889, pp. 624–625.

= *Pachyphyllum woodmani ordinatum* (Webster, 1889)

Fenton, C. L. and M. A. Fenton, 1924, pp. 47–48, pl. 7, fig. 4.

Stumm, E. C., 1955, card 295, fig. 4.

Upper Devonian, Hackberry Shale, *Spirifer* Zone.

Hackberry Grove, Iowa.

Fenton Collection.

Remarks: Specimen from which a cast and figure were made is in the C. L. Webster Collection.

Pachyphyllum owenense Webster and Fenton, 1924

Holotype; UC 25982; [not UC 26054] 1 specimen.

Fenton, C. L. and M. A. Fenton, 1924, pp. 50–51.

Stumm, E. C., 1955, card 296.

Cast of Referred Specimen: UC 26108; 1 specimen.

Fenton, C. L. and M. A. Fenton, 1924, pp. 50–51, pl. 7, fig. 5.

Stumm, E. C., 1955, card 296, fig. 5.

Upper Devonian, Hackberry Shale, Owen Substage.

Hackberry Creek, Iowa.

Fenton Collection.

Remarks: Specimen from which the cast and figure were made is in the C. L. Webster Collection.

Pachyphyllum woodmani (White, 1870)

Referred Specimen: UC 26016; 1 specimen.

Fenton, C. L. and M. A. Fenton, 1924, pp. 46–47, pl. 9, figs. 11–12.

Stumm, E. C., 1955, cards 303–304.

Referred Specimen: UC 26017; 1 specimen.

Fenton, C. L. and M. A. Fenton, 1924, pp. 46–47, pl. 8, fig. 2.

Stumm, E. C., 1955, cards 303–304, fig. 2.

Upper Devonian, Hackberry Shale, *Spirifer* Zone.

Hackberry Grove, Iowa.

Fenton Collection.

Cast of Referred Specimens: UC 26106; 1 specimen.

Fenton, C. L. and M. A. Fenton, 1924, pp. 46-47, pl. 7, fig. 2.

Stumm, E. C., 1955, cards 303-304, fig. 2.

Upper Devonian. Hackberry Shale, *Spirifer* Zone.

Rockford, Iowa.

Fenton Collection.

Remarks: Specimen from which a cast and a figure were made is in the C. L. Webster Collection.

Pachyphyllum woodmani ordinatum (Webster, 1889)

See: *Pachyphyllum ordinatum* Webster, 1889.

Pachypora oklahomensis Snider, 1915

Holotype not designated; to be chosen from:

UC 16195a; 1 specimen.

Snider, L. C., 1915, p. 72, pl. 3, fig. 7.

UC 16195b; 1 specimen.

Snider, L. C., 1915, p. 72, pl. 3, fig. 8.

Mississippian, Mayes Formation.

Along Grand River, about one-quarter mile from M19, about 5 miles northeast of Bernice along road in SE $\frac{1}{4}$, sec. 10, T.25N., R.23E., Wyandotte Quadrangle, Oklahoma.

Snider Collection.

Palaeacis bifidus S. Weller, 1909

Holotype: UC 13900; 1 specimen.

Weller, S., 1909, p. 277, pl. 10, figs. 9-11.

Mississippian, Fern Glen Limestone.

Section in railroad cut just west of Fern Glen Station, 20 miles west of St. Louis, Missouri.

S. Weller Collection, 1906.

Palaeacis cuneata Snider, 1915 [not *Paleacis*]

Holotype not designated; to be chosen from:

UC 16191a; 1 specimen.

Snider, L. C., 1915, pp. 70-71, pl. 3, figs. 1-3.

UC 16191b; 1 specimen.

Snider, L. C., 1915, pp. 70-71, pl. 3, figs. 4-6.

Mississippian, Fayetteville Formation.

In road, near south end of line between secs. 21 and 22, T.25N.,
R.21E., Vinita quadrangle, Oklahoma.

Snider Collection.

Palaeacis depressus (Meek and Worthen, 1866)

Referred Specimen: UC 4709a; 1 specimen.

Weller, S., 1909, pp. 276-277, pl. 10, fig. 5.

Referred Specimen: UC 4709b; 1 specimen.

Weller, S., 1909, pp. 276-277, pl. 10, figs. 6-7.

Mississippian, Fern Glen Limestone.

Railroad cut a little over 1 mile south of Kimmswick, Missouri.

S. Weller Collection, 1896.

Palaeophyllum divaricans Nicholson, 1875

Holotype: UC 413; 1 specimen.

Nicholson, H. A., 1875, pp. 218, 219, pl. 22, fig. 10.

Ordovician, Cincinnati.

Cincinnati, Ohio.

U. P. James Collection.

Palaeosmilia compressa Easton, 1943

Holotype: UC 47239a; 1 peel.

Easton, W. H., 1943b, pp. 279-280, pl. 46, fig. 8.

Holotype: UC 47239b; 1 peel.

Easton, W. H., 1943b, pp. 279-280, pl. 46, fig. 9.

Mississippian, Golconda? limestone and shale.

Quarry, near railroad at Sherwood, Tennessee.

Easton Collection.

Remarks: The specimen from which the peels was made is U.S.

National Museum no. 47239.

Plasmopora lambei Schuchert, 1900

Referred Specimen: P 28828; 1 specimen, 3 slides.

Roy, S. K., 1941, pp. 70-72, figs. 36a-f.

Ordovician, Richmond Group.

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

Roy Collection.

Plasmopora pattersoni Roy, 1941

Holotype: P 28829; 1 specimen and 3 slides.

Roy, S. K., 1941, p. 72, figs. 37a-e.

Ordovician, Richmond Group.

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

Roy Collection.

Pleurodictyum convexum (d'Orbigny, 1849)

See: *Michelinia (Pleurodictyum) convexa* d'Orbigny, 1849.

Pleurodictyum dividum Hall, 1876

See: *Pleurodictyum styloporum* (Eaton, 1832).

Pleurodictyum eugenei (White, 1884)

See: *Michelinia branneri* Miller and Gurley, 1894.

Michelinia eugeneae White, 1884.

Pleurodictyum expansum (White, 1880)

See: *Michelinia expansa* White, 1880.

Pleurodictyum favosoideum (Billings, 1858)

See: *Michelinia favosoidea* Billings, 1858.

Pleurodictyum lenticulare (Hall, 1874)

Referred Specimen: UC 21139; 1 specimen.

Tansey, V. O., in Branson, E. B., 1922, p. 180, pl. 42, fig. 9.

Devonian, Bailey Limestone.

Little Saline Creek, near Ozora, Ste. Genevieve County, Missouri.

S. Weller Collection.

Pleurodictyum maximum (Troost, 1840)

See: *Michelinia (Pleurodictyum) maxima* (Troost, 1840).

Pleurodictyum meekanum (Girty, 1910)

See: *Michelinia meekana* Girty, 1910.

Pleurodictyum stylopora (Eaton, 1832)

See: *Michelinia (Pleurodictyum) stylopora* (Eaton, 1832).

See: *Pleurodictyum styloporum* (Eaton, 1832).

Pleurodictyum styloporum (Eaton, 1832)

Referred Specimen: UC 37754; 1 specimen.

Fenton, C. L. and M. A. Fenton, 1936, p. 42, pl. 7, fig. 5.

Fenton, C. L. and M. A. Fenton *in* Stumm, E. C., ed., 1950, card 353, fig. 5.

= *Pleurodictyum dividum* Hall, 1876

S. Weller, *in* Walker Museum Catalogue.

Devonian, Hamilton Group.

Western New York.

Hall Collection.

Referred Specimen: UC 37742a; 1 slide. UC 37742; 2 slides.

Fenton, C. L. and M. A. Fenton, 1936, p. 42, pl. 7, fig. 9 (UC 37742a).

Fenton, C. L. and M. A. Fenton, *in* Stumm, E. C., ed., 1950, cards 352, 353, fig. 9 (UC 37742a).

= *Pleurodictyum stylopora* (Eaton, 1832)

S. Weller, Walker Museum Catalogue.

Devonian, Hamilton Group.

East Bethany, New York.

Hall Collection.

Referred Specimen: UC 37773a; 1 fragment.

Fenton, C. L. and M. A. Fenton, 1936, p. 42, pl. 7, fig. 6.

Fenton, C. L. and M. A. Fenton, *in* Stumm, E. C., ed., 1950, card 353, fig. 6.

Referred Specimen: UC 37774; 2 pieces of 1 specimen.

Fenton, C. L. and M. A. Fenton, 1936, p. 42, pl. 7, fig. 8.

Fenton, C. L. and M. A. Fenton, *in* Stumm, E. C., ed., 1950, card 353, fig. 8.

Referred Specimen: UC 37775; 2 pieces of 1 specimen.

Fenton, C. L. and M. A. Fenton, 1936, p. 42, pl. 7, fig. 7.

Fenton, C. L. and M. A. Fenton, *in* Stumm, E. C., ed., 1950, card 353, fig. 7.

Referred Specimens: UC 37771; 1 specimen. UC 37772; 1 specimen.

UC 37773; 3 pieces of 1 specimen.

Fenton, C. L. and M. A. Fenton, 1936, p. 42.

Fenton, C. L. and M. A. Fenton, *in* Stumm, E. C., ed., 1950, card 353.

Devonian, Hamilton Group.

Western New York.

Hall Collection.

Propora striata (U. P. James, 1878)

See: *Lyellia striata* U. P. James, 1878.

Prismatophyllum bassleri (Webster and Fenton, 1924)

See: *Acervularia bassleri* Webster and Fenton, 1924.

Prismatophyllum bassleri depressa (Webster and Fenton, 1924)

See: *Acervularia bassleri depressa* Webster and Fenton, 1924.

Prismatophyllum bassleri magna (Webster and Fenton, 1924)

See: *Acervularia bassleri magna* Webster and Fenton, 1924.

Prismatophyllum cristatum (Rominger, 1876)

Referred Specimens: UC 38745a; 11 specimens.

Sloss, L. L., 1939, pp. 71-72, pl. 10, fig. 1.

Referred Specimens: UC 38745b; 3 peels.

Sloss, L. L., 1939, pp. 71-72, pl. 10, fig. 2.

Referred Specimens: UC 38745c; 6 peels.

Sloss, L. L., 1939, pp. 71-72, pl. 10, fig. 3.

Referred Specimens: UC 38745d; 3 peels.

Sloss, L. L., 1939, pp. 71-72, pl. 10, fig. 5.

= *Hexagonaria cristatum* (Rominger, 1876)

Stumm, E. C., 1955, card 177, fig. 1 (UC 38745a), fig. 2 (UC 38745b), fig. 3 (UC 38745d), and fig. 5 (UC 38745d).

Devonian, Traverse Beds, Gravel Point Zone.

Bell Quarry, 2.3 miles east of Charlevoix County line on U.S. 31,
NE $\frac{1}{4}$, sec. 8, T.34N., R.6W., Emmet County, Michigan.

Sloss Collection.

Prismatophyllum inequalis (Hall and Whitfield, 1873)

See: *Acervularia inequalis* Hall and Whitfield, 1873.

Prismatophyllum pauciseptatum Sloss, 1939

Holotype: UC 38752a; 1 specimen in 2 pieces.

Sloss, L. L., 1939, p. 70, pl. 10, fig. 13.

Holotype: UC 38752b; 2 peels.

Sloss, L. L., 1939, p. 70, pl. 10, fig. 10.

Holotype: UC 38752c; 2 peels.

Sloss, L. L., 1939, p. 70, pl. 10, fig. 11.

= *Hexagonaria pauciseptata* (Sloss, 1939)

Stumm, E. C., 1955, card 205, fig. 13 (UC 38752a), fig. 10 (UC 38752b), fig. 11 (UC 38752c).

Middle Devonian, Traverse Beds, Petoskey Zone.

Mud Lake Quarry, East Bay View, NE $\frac{1}{4}$, sec. 34, T.35N., R.5W.,
Emmet County, Michigan.

Sloss Collection.

Prismatophyllum percarinatum Sloss, 1939

Holotype: UC 38746; 1 specimen.

Sloss, L. L., 1939, pp. 69–70, pl. 10, fig. 6.

Referred Specimen: UC 38747; 1 specimen and 1 slide.

Sloss, L. L., 1939, pp. 69–70, pl. 10, fig. 7 (slide).

Referred Specimen: UC 38748; 1 specimen and 1 slide.

Sloss, L. L., 1939, pp. 69–70, pl. 10, fig. 8 (slide).

Referred Specimen: UC 38749; 1 slide.

Sloss, L. L., 1939, pp. 69–70, pl. 10, fig. 9.

Referred Specimens: UC 38750; 9 specimens and 8 peels. UC 38751;
1 specimen.

Sloss, L. L., 1939, pp. 69–70.

= *Hexagonaria percarinata* (Sloss, 1939)

Stumm, E. C., 1955, cards 206, 207, fig. 6 (UC 38746), fig. 7
(UC 38747), fig. 8 (UC 38748), fig. 9 (UC 38749).

Middle Devonian, Traverse Beds, Gravel Point Zone.

Bell Quarry, 2.3 miles east of Charlevoix County line on U.S. 31,
NE $\frac{1}{4}$, sec. 8, T.34N., R.6W., Emmet County, Michigan.

Sloss Collection.

Prismatophyllum whitfieldi (Fenton and Fenton, 1924)

See: *Acervularia whitfieldi* Fenton and Fenton, 1924.

Ptychophyllum striatum Hall, 1882

Referred Specimen: UC 11878; 1 specimen.

Hall, James., 1882, p. 22.

Hall, James., 1884, p. 426.

Stumm, E. C., 1953, card 121.

Middle Devonian, Onondagan

Falls of the Ohio.

Hall Collection.

Remarks: Weller, S., *in* the Walker Museum Catalogue, indicates James Hall illustrated this specimen but did not publish the drawings.

Romingeria trentonensis S. Weller, 1903

Holotype: UC 10289; 1 specimen, 2 slides.

Weller, S., 1903, pp. 138-139, pl. 6, fig. 5.

Ordovician, Trenton Limestone.

Three miles southwest of Stillwater, near Mud Pond, New Jersey.

S. Weller New Jersey Collection.

Siphonophrentis halli (Edwards-Milne and Haime, 1851)

See: *Zaphrentis halli* Edwards-Milne and Haime, 1851.

Siphonophrentis planima (Hall, 1882)

See: *Zaphrentis planima* Hall, 1882.

Spongophyllum johnstoni (Foerste, 1917)

See: *Grabauphyllum johnstoni* Foerste, 1917.

Stereolasma petoskeyense (Sloss, 1939)

See: *Streptelasma petoskeyense* Sloss, 1939.

Stereolasma rectum (Hall, 1843)

See: *Streptelasma involutum* Hall, 1882.

Streptelasma ampliatus Hall, 1882

Holotype: UC 12921; 1 specimen. Designated by Weller, S., Walker Museum Catalogue.

Hall, James, 1882, p. 19.

Hall, James, 1884, p. 423, pl. 24, figs. 1-3.

Devonian, Onondagan.

"Canada West."

Hall Collection.

Streptelasma corniculum Hall, 1847

Referred Specimen: UC 10290; 1 specimen.

Weller, S., 1903, pp. 136–137, pl. 6, fig. 6.

Ordovician, Trenton Limestone.

Jacksonburg, New Jersey.

S. Weller New Jersey Collection.

Streptelasma corniculum var. **medium** C. L. Fenton, 1928

Holotype: UC 25932a, p. 88, sec. 32.

Fenton, C. L., 1928a, p. 88, sec. 32.

Fenton, C. L., 1928b, p. 128, pl. 2, fig. 5.

Referred Specimen: UC 25932b; 1 specimen.

Fenton, C. L., 1928a, p. 88, sec. 32.

Fenton, C. L., 1928b, p. 128, pl. 2, fig. 7.

Referred Specimens: UC 25933; 1 specimen. UC 25934; 13 specimens.

Fenton, C. L., 1928a, p. 88, sec. 32.

Fenton, C. L., 1928b, p. 128.

Ordovician, Plattin Formation, limestone, buff to grey, thinly and unevenly bedded, cherty.

Lower portion bed, South Beckett Hill, Ste. Genevieve County, Missouri.

Fenton Collection.

Referred Specimen: UC 33401; 1 specimen.

Fenton, C. L., 1928a, p. 89, sec. 42.

Fenton, C. L., 1928b, p. 128.

Ordovician, Plattin Formation, limestone, grey, in beds 4–8 in. thick.

Lower portion bed, South Beckett Hill, Ste. Genevieve County, Missouri.

Fenton Collection.

Referred Specimen: UC 25935; 1 specimen.

Fenton, C. L., 1928a, p. 88, sec. 42, p. 92.

Fenton, C. L., 1928b, p. 128, pl. 4, fig. 10.

Ordovician, Plattin Formation, limestone, medium bedded, largely replaced by brown chert.

Lower portion bed, South Beckett Hill, Ste. Genevieve County, Missouri.

Fenton Collection.

Streptelasma involutum Hall, 1882

Holotype: UC 35877; 1 specimen. Designated by E. C. Stumm, 1964, p. 15.

Hall, James, 1882, p. 20.

Hall, James, 1884, p. 424, pl. 24, figs. 8, 9.

= *Stereolasma rectum* (Hall, 1843)

Stumm, E. C., 1964, p. 15, pl. 3, figs. 24, 25.

Middle Devonian, Beechwood Limestone.

Falls of the Ohio.

Hall Collection.

Streptelasma petoskeyense Sloss, 1939

Holotype: UC 38715a; 1 peel.

Sloss, L. L., 1939, pp. 61-62, pl. 9, fig. 1.

Holotype: UC 38715; 1 specimen in 2 pieces and 12 peels.

Sloss, L. L., 1939, pp. 61-62, text fig. 2.

Referred Specimen: UC 38714a; 1 peel.

Sloss, L. L., 1939, pp. 61-62, pl. 9, fig. 1.

Referred Specimen: UC 38716; 1 thin section.

Sloss, L. L., 1939, pp. 61-62, pl. 9, fig. 4.

Referred Specimen: UC 38717a; 1 peel.

Sloss, L. L., 1939, pp. 61-62, pl. 9, fig. 5.

Referred Specimen: UC 38718a; 1 peel.

Sloss, L. L., 1939, pp. 61-62, pl. 9, fig. 6.

Referred Specimen: UC 38719; 1 specimen.

Sloss, L. L., 1939, pp. 61-62, pl. 9, fig. 7.

Referred Specimen: UC 38720a; 1 specimen.

Sloss, L. L., 1939, pp. 61-62, pl. 9, fig. 8.

Referred Specimens: UC 38714; 1 specimen in 3 pieces and 9 peels.

UC 38717; 1 specimen in 2 pieces and 3 peels. UC 38718; 2 sectioned specimens and 1 peel. UC 38720; 1 specimen. UC 38721; 5 sections and 2 peels. UC 38722; 15 specimens.

Sloss, L. L., 1939, pp. 61-62, text fig. 2.

Middle Devonian, Traverse Group, Petoskey Zone.

1½ miles east of Bay View, on U.S. Highway 31, NE ¼, NW ¼,
sec. 34, T.35N., R.5W., Emmet County, Michigan.

Referred Specimen: UC 38723; 3 sectioned specimens.

Sloss, L. L., 1939, pp. 61-62, text fig. 2.

Middle Devonian, Traverse Group, Petoskey Zone.

Mud Lake Quarry, East Bay View, NE ¼, NW ¼, sec. 34, T.34N,
R.5W., Emmet County, Michigan.

= *Stereolasma petoskeyense* Sloss, 1939

Stumm, E. C., 1962, pp. 234-235.

Streptelasma strictum Hall, 1874

Referred Specimen: UC 21136a; 1 specimen.

Tansey, V. O., *in* Branson, E. B., ed., 1922, p. 177, pl. 40, fig. 5.

Referred Specimen: UC 21136b; 1 specimen.

Tansey, V. O., *in* Branson, E. B., ed., 1922, p. 177, pl. 40, fig. 6.

Referred Specimen: UC 21136c; 1 specimen.

Tansey, V. O., *in* Branson, E. B., ed., 1922, p. 177, pl. 40, fig. 7.

Referred Specimen: UC 21136d; 1 specimen.

Tansey, V. O., *in* Branson, E. B., ed., 1922, p. 177, pl. 40, fig. 8.

Referred Specimen: UC 21136e; 1 specimen.

Tansey, V. O., *in* Branson, E. B., ed., 1922, p. 177, pl. 40, fig. 9.

Referred Specimen: UC 21136f; 1 specimen.

Tansey, V. O., *in* Branson, E. B., ed., 1922, p. 177, pl. 40, fig. 10.

Referred Specimen: UC 21136g; 1 specimen.

Tansey, V. O., *in* Branson, E. B., ed., 1922, p. 177, pl. 40, fig. 11.

Devonian, Bailey Limestone.

Little Saline Creek, near Ozora, Ste. Genevieve County, Missouri.

S. Weller Collection.

Streptelasma tenue Hall, 1882

Referred Specimen: UC 35924; 1 specimen.

Hall, James, 1882, p. 17.

Hall, James, 1883b, p. 278.

Hall, James, 1884, p. 421, pl. 23, fig. 2.

= *Amplexiphyllum tenue* (Hall, 1882)

Stumm, E. C., 1964, p. 14, pl. 3, figs. 28, 31.

Middle Devonian, Jeffersonville Limestone.

Falls of the Ohio.

Hall Collection.

Streptelasma sp. I

Referred Specimen: P 28824; 2 specimens.

Roy, S. K., 1941, pp. 68-69, figs. 34a-c.

Streptelasma sp. II

Referred Specimen: P 28825; 1 specimen.

Roy, S. K., 1941, pp. 68-69, fig. 34d.

Streptelasma sp. III

Referred Specimen: P 28826; 2 specimens.

Roy, S. K., 1941, pp. 68-69, figs. 34e, f.

Ordovician, Richmond Group.

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

Roy Collection.

Striatopora bella Swartz, 1913

Referred Specimen: UC 21134a; 1 specimen.

Tansey, V. O., in Branson, E. B., ed., 1922, pp. 179-180, pl. 42, fig. 5.

Referred Specimen: UC 21134b; 1 specimen.

Tansey, V. O., in Branson, E. B., ed., 1922, pp. 179-180, pl. 42, fig. 6.

Referred Specimen: UC 21134c; 1 specimen.

Tansey, V. O., in Branson, E. B., ed., 1922, pp. 179-180, pl. 42, fig. 7.

Referred Specimen: UC 21134d; 1 specimen.

Tansey, V. O., in Branson, E. B., ed., 1922, pp. 179-180, pl. 42, fig. 8.

Devonian, Bailey Limestone. Chert lenses.

Little Saline Creek, near Ozora, Ste. Genevieve County, Missouri.

S. Weller Collection.

Striatopora frexuosa Hall, 1851

Referred Specimen: UC 34521; 14 specimens.

Ball, J. R. and B. H. Grove, 1940, pp. 383, 394.

Silurian, Bainbridge Formation.

Little Saline Creek, near Ozora, Ste. Genevieve County, Missouri.

Ball Collection.

Striatopora (Thamnoptychia) limbata (Eaton, 1832)

Referred Specimen: UC 11800a; 1 specimen.

Hall, James, 1876, pl. 33, fig. 9.

Referred Specimen: UC 11800b; 1 specimen.

Hall, James, 1876, pl. 33, fig. 12.

=*Trachypora (Thamnoptychia) limbata* (Eaton, 1832)

Stumm, E. C., in Stumm, E. C., ed., 1950, card 397, fig. 9 (UC 11800a), fig. 12 (UC 11800b), card 398.

=*Trachypora vermiculosa* (Lesueur, 1821)

Stumm, E. C., 1964, p. 70.

Devonian, Hamilton Group.

Darien, New York.

Hall Collection.

Striatopora missouriensis ? Meek and Worthen, 1868

Referred Specimen: UC 21135a; 1 specimen.

Tansey, V. O., in Branson, E. B., ed., 1922, p. 179, pl. 42, figs. 1, 4.

Referred Specimen: UC 21135b; 1 specimen.

Tansey, V. O., in Branson, E. B., ed., 1922, p. 179, pl. 42, fig. 2.

Referred Specimen: UC 21135c; 1 specimen.

Tansey, V. O., in Branson, E. B., ed., 1922, p. 179, pl. 42, fig. 3.

Referred Specimens: UC 21135; 6 specimens.

Tansey, V. O., in Branson, E. B., ed., 1922, p. 179.

Devonian, Bailey Limestone. Chert lenses.

Little Saline Creek, near Ozora, Ste. Genevieve County, Missouri.

S. Weller Collection.

Striatopora spiralis Ball and Grove, 1940

Holotype: UC 45190; 1 specimen.

Ball, J. R. and B. H. Grove, 1940, pp. 393-394, pl. 3, fig. 4.

Referred Specimen: UC 34520a; 1 specimen.

Ball, J. R. and B. H. Grove, 1940, pp. 393-394, pl. 3, fig. 2.

Referred Specimen: UC 34520b; 1 specimen.

Ball, J. R. and B. H. Grove, 1940, pp. 393-394, pl. 3, fig. 3.

Referred Specimen: UC 34520c; 1 specimen.

Ball, J. R. and B. H. Grove, 1940, pp. 393-394, pl. 3, fig. 1.

Referred Specimen: UC 34520d; 1 specimen.

Ball, J. R. and B. H. Grove, 1940, pp. 393-394, pl. 3, fig. 12.

Referred Specimens: UC 34520; 50 specimens.

Ball, J. R. and B. H. Grove, 1940, pp. 393-394.

Silurian, Bainbridge Formation.

Little Saline Creek, near Ozora, Ste. Genevieve County, Missouri.

Ball Collection.

Stromatocerium granuloseum (U. P. James, 1875)

See: *Alveolites ? granulosa* U. P. James, 1875.

Stromatocerium huronense Billings, 1865

See: *Alveolites (?) granulosa* U. P. James, 1875.

Strombodes johanni (Hall and Whitfield, 1873)

Cast of Holotype: UC 26093; 1 specimen.

Hall, James and R. P. Whitfield, 1873, p. 234, pl. 9, fig. 10.

Fenton, C. L. and M. A. Fenton, 1924, p. 43, pl. 15, fig. 7.

Devonian, Hackberry Shale, *Spirifer* Zone.

Hackberry, 8 miles above Rockford, Iowa.

Webster Collection.

Remarks: The holotype from which the cast and figures were made is New York State Museum no. 3720/1.

Cast of Referred Specimen: UC 26092; 2 casts of 1 specimen.

Fenton, C. L. and M. A. Fenton, 1924, p. 43, pl. 15, fig. 6.

Devonian, Hackberry Shale, *Spirifer* Zone

Owen Grove, Iowa.

Fenton Collection.

Remarks: The specimen from which the cast and figure were made is in the C. L. Webster Collection.

Strombodes johanni multiradiatus Hall and Whitfield, 1873

Cast of Holotype: UC 26094; 1 specimen.

Hall, James and R. P. Whitfield, 1873, p. 273.

Fenton, C. L. and M. A. Fenton, 1924, p. 44, pl. 15, fig. 1.

Devonian, Hackberry Shale, *Spirifer* Zone.

Hackberry, 8 miles above Rockford, Iowa.

Fenton Collection.

Remarks: The specimen from which the cast and figure were made is New York State Museum no. 3721/1.

Strombodes mamillaris wilmingttonensis (Foerste, 1906)

See: *Lyellia striata* U. P. James, 1878.

Strombodes marginatus Fenton and Fenton, 1924

Holotype: UC 26053; 1 specimen.

Fenton, C. L. and M. A. Fenton, 1924, pp. 44-45, pl. 15, fig. 5.

Devonian, Hackberry Shale, *Spirifer* Zone.

Hackberry Grove, Iowa.

Fenton Collection.

Cast of Referred Specimen: UC 26095; 1 specimen.

Fenton, C. L. and M. A. Fenton, 1924, pp. 44-45, pl. 15, fig. 4.

Devonian, Hackberry Shale, *Spirifer* Zone.

Owen Grove, Iowa.

Fenton Collection.

Remarks: The specimen from which the cast and figures were made is in the C. L. Webster Collection.

Strombodes pygmaeus Foerste, 1888

See: *Lyellia striata* U. P. James, 1878.

Syringaxon acuminatum (Simpson, 1900)

See: *Laccophyllum acuminatum* Simpson, 1900.

Syringaxon petaloides (Ball and Grove, 1940)

See: *Laccophyllum petaloides* Ball and Grove, 1940.

Syringopora rockfordensis Fenton and Fenton, 1924

Referred Specimens: UC 26074 [not UC 26047]; 6 specimens.

Fenton, C. L. and M. A. Fenton, 1924, p. 70.

Fenton, C. L. and M. A. Fenton, in Stumm, E. C., ed., 1947, card 109.

Upper Devonian, Hackberry Stage, *Spirifer* Zone.

Clay pit, Rockford, Iowa.

Fenton Collection.

Syringopora tenella Rominger, 1876

Holotype: UC 37750; 1 specimen in 5 pieces.

Rominger, C., 1876, p. 81, pl. 30, fig. 4.

Silurian, Niagaran Group, in drift.

Pt. Detour, Drummond's Island, Michigan.

University of Michigan Collection.

Tabulophyllum erraticum Fenton and Fenton, 1924

Holotype: UC 26006; 1 specimen.

Fenton, C. L. and M. A. Fenton, 1924, p. 36, pl. 6, fig. 7.

Devonian, Hackberry Shale, *Spirifer* Zone

Hackberry Grove, Iowa.

Fenton Collection.

Tabulophyllum exiguum Fenton and Fenton, 1924

Holotype: UC 26007; 1 specimen.

Fenton, C. L. and M. A. Fenton, 1924, p. 37, pl. 3, fig. 9.

Upper Devonian, Hackberry Shale, *Spirifer* Zone.

Clay Pit, Rockford, Iowa.

Fenton Collection.

Tabulophyllum longum Fenton and Fenton, 1924

Holotype: UC 26011; 1 specimen.

Fenton, C. L. and M. A. Fenton, 1924, p. 39, pl. 3, fig. 1.

Devonian, Hackberry Shale, Owen Substage.

Hackberry Creek, Iowa.

Fenton Collection.

Cast of Referred Specimen: UC 26091; 2 casts of 1 specimen.

Fenton, C. L. and M. A. Fenton, 1924, p. 39.

Devonian, Hackberry Shale.

Hackberry Creek, Iowa.

Fenton Collection.

Remarks: The specimen from which the casts and figures were made is in the C. L. Webster Collection.

Tabulophyllum magnum Fenton and Fenton, 1924

Cast of Referred Specimen: UC 26044a; 1 cast.

Fenton, C. L. and M. A. Fenton, 1924, p. 38, pl. 4, fig. 1.

Casts of Referred Specimen: UC 26044; 2 casts.

Fenton, C. L. and M. A. Fenton, 1924, p. 38.

Devonian, Hackberry Shale.

Hackberry Creek, Iowa.

Fenton Collection.

Remarks: The specimens from which the casts and figures were made are in the C. L. Webster Collection.

Tabulophyllum ponderosum Fenton and Fenton, 1924

Cast of Holotype: UC 26088; 1 specimen.

Fenton, C. L. and M. A. Fenton, 1924, p. 40, pl. 4, figs. 4, 5.

Cast of Referred Specimen: UC 26089a; 2 casts of 1 specimen.

Fenton, C. L. and M. A. Fenton, 1924, p. 40, pl. 5, fig. 5.

Cast of Referred Specimen: UC 26089b; 2 casts of 1 specimen.

Fenton, C. L. and M. A. Fenton, 1924, p. 40, pl. 5, fig. 6.

Devonian, Hackberry Shale, *Spirifer* Zone.

Hackberry Grove, Iowa.

Fenton Collection.

Remarks: The specimens from which the casts and figures were made are in the C. L. Webster Collection.

Tabulophyllum rectum Fenton and Fenton, 1924

Referred Specimen: UC 26046; 1 specimen and 1 slide.

Fenton, C. L. and M. A. Fenton, 1924, pp. 30-32, pl. 6, figs. 11, 12.

Devonian, Hackberry Shale, Owen Substage.

Bird Hill, Iowa.

Fenton Collection.

Tabulophyllum robustum Fenton and Fenton, 1924

Cast of Referred Specimen: UC 26090a; 1 cast.

Fenton, C. L. and M. A. Fenton, 1924, pp. 37-38, pl. 5, fig. 1.

Cast of Referred Specimen: UC 26090; 2 casts.

Fenton, C. L. and M. A. Fenton, 1924, pp. 37-38.

Upper Devonian, Hackberry Shale, *Spirifer* Zone.

Hackberry Grove, Iowa.

Fenton Collection.

Remarks: The specimen from which the cast and figure were made is in the C. L. Webster Collection.

Tabulophyllum rotundum Fenton and Fenton, 1924

Referred Specimen: UC 26004; 1 specimen.

Fenton, C. L. and M. A. Fenton, 1924, pp. 35-36, pl. 2, figs. 5, 6.

Devonian, Hackberry Shale, Cerro Gordo Substage, *Spirifer* Zone.

Hackberry Grove, Iowa.

Fenton Collection.

Referred Specimen: UC 26005; 1 specimen.

Fenton, C. L. and M. A. Fenton, 1924, pp. 35-36, pl. 2, fig. 10.

Devonian, Hackberry Shale, *Spirifer* Zone.

Hackberry Grove, Iowa.

Fenton Collection.

Thamnopora limitaris (Rominger, 1876)

See: *Favosites limitaris* Rominger, 1876.

Thecia sp.

See: *Calathium* (?) sp.

Tortophyllum cysticum (Winchell, 1866)

Referred Specimen: UC 38724a; 6 peels.

Sloss, L. L., 1939, pp. 54-58, pl. 11, fig. 3.

Stumm, E. C., 1963, pp. 137-138.

Referred Specimen: UC 38724b; 1 specimen.

Sloss, L. L., 1939, pp. 54-58, pl. 11, fig. 2.

Stumm, E. C., 1963, pp. 137-138.

Referred Specimen: UC 38724c; 6 specimens.

Sloss, L. L., 1939, pp. 54-58.

Stumm, E. C., 1963, pp. 137-138.

Referred Specimen: UC 38725a; 1 peel.

Sloss, L. L., 1939, pp. 54-58, pl. 11, fig. 4.

Stumm, E. C., 1963, pp. 137-138.

Referred Specimens: UC 38725b; 1 peel and 1 slide.

Sloss, L. L., 1939, pp. 54-58, pl. 11, fig. 5.

Stumm, E. C., 1963, pp. 137-138.

Referred Specimen: UC 38726A; 1 specimen.

Sloss, L. L., 1939, pp. 54-58, pl. 11, fig. 6.

Stumm, E. C., 1963, pp. 137-138.

Referred Specimens: UC 38726; 1 specimen and 7 peels.

Sloss, L. L., 1939, pp. 54-58.

Stumm, E. C., 1963, pp. 137-138.

Referred Specimens: UC 38727; 1 specimen and 7 peels.

Sloss, L. L., 1939, pp. 54-58, pl. 11, fig. 7 (peel).

Stumm, E. C., 1963, pp. 137-138.

Referred Specimens: UC 38728a; 2 specimens and 5 peels.

Sloss, L. L., 1939, pp. 54-58, pl. 11, fig. 8 (peel).

Stumm, E. C., 1963, pp. 137-138.

Referred Specimens: UC 38728b; 1 peel and 1 slide.

Sloss, L. L., 1939, pp. 54-58, pl. 11, fig. 9.

Stumm, E. C., 1963, pp. 137-138.

Referred Specimens: UC 38729; 1 specimen and 1 peel.

Sloss, L. L., 1939, pp. 54-58, pl. 11, fig. 10 (peel).

Stumm, E. C., 1963, pp. 137-138.

Referred Specimens: UC 38732b; 3 specimens and 1 peel.

Sloss, L. L., 1939, pp. 54-58, pl. 11, fig. 11 (peel).

Stumm, E. C., 1963, pp. 137-138.

Referred Specimen: UC 38732a; 1 peel.

Sloss, L. L., 1939, pp. 54-58, pl. 11, fig. 12.

Stumm, E. C., 1963, pp. 137-138.

Referred Specimens: UC 38730; 7 specimens and 2 peels. UC 38731;
12 specimens.

Sloss, L. L., 1939, pp. 54-58.

Devonian, Traverse Beds, Gravel Point Zone.

"Rose" Quarry, NE $\frac{1}{4}$, sec. 8, T. 34N., R. 6W., Emmet County, Michigan.

Sloss Collection.

Trachypora (Thamnoptychia) limbata (Eaton, 1832)

See: *Striatopora (Thamnoptychia) limbata* (Eaton, 1832).

Trachypora oriskania S. Weller, 1903

Holotype: UC 10468; 1 specimen.

Weller, S., 1903, p. 341, pl. 45, figs. 1, 2.

Stumm, E. C., ed., 1950, card 400, figs. 1, 2.

Lower Devonian, Oriskany Formation.

Edge of woods, south of second wagon road crossing, Wallpack Ridge, about 5 miles south of New York State line, near Montigue Post Office, New Jersey.

S. Weller New Jersey Collection.

Trachypora vermiculosa (Lesueur, 1821)

See: *Striatopora (Thamnoptychia) limbata* (Eaton, 1832).

Triplophyllites cliffordanus (Milne-Edwards and Haime, 1851)

See: *Zaphrentis cliffordana* Milne-Edwards and Haime, 1851

Triplophyllites exiguus (Miller, 1891)

See: *Zaphrentis wortheni* S. Weller, 1909.

Triplophyllites ida (Winchell, 1965) emend. Easton, 1944

See: *Triplophyllum cliffordanum hespere* Grove, 1935.

Triplophyllum cliffordanum (Milne-Edwards and Haime, 1851)

See: *Zaphrentis cliffordana* Milne-Edwards and Haime, 1851.

Triplophyllum cliffordanum hespere Grove, 1935

Holotype: UC 31570; 1 specimen in 3 pieces.

Grove, B. H., 1935, pp. 346-347.

Referred Specimens: UC 38045; 7 specimens and 1 slide.

Grove, B. H., 1935, pp. 346-347.

Referred Specimen: UC 38045A; 1 specimen.

Grove, B. H., 1935, pp. 346-347, pl. 8, fig. 6.

= *Triplophyllites ida* (Winchell, 1865) emend. Easton, 1944

Easton, W. H., 1944a, pp. 41-42.

Lower Mississippian, Osage Group, Lower Burlington Limestone.
Lake Valley, New Mexico.

Springer Collection.

Triplophyllum dali? (Milne-Edwards and Haime, 1851)

Referred Specimen: UC 31546A; 1 specimen.

Grove, B. H., 1935, pp. 342-344, pl. 8, figs. 1-3.

Mississippian, Keokuk Limestone.

Warsaw, Illinois.

Gurley Collection.

Triplophyllum spinulosum (Milne-Edwards and Haime, 1851)

Referred Specimen: UC 25192a; 1 specimen.

Grove, B. H., 1935, pp. 348-349, pl. 9, fig. 1.

Referred Specimen: UC 25192; 1 specimen.

Grove, B. H., 1935, pp. 348-349.

Mississippian, Golconda Limestone.

5 miles southeast of Prairie du Rocher and 1½ miles south of
Marigold, SE ¼, SE ¼, sec. 29, T.5S., R.8W., Renault Quad-
rangle, Illinois.

S. Weller Collection, 1912.

Referred Specimens: UC 31900a; 3 specimens.

Grove, B. H., 1935, p. 350.

Referred Specimens: UC 31900; 9 specimens.

Grove, B. H., 1935, p. 350.

Mississippian, Paint Creek Limestone.

Renault Quadrangle, 3 miles east of Prairie du Rocher, and three-
fourths of a mile southeast of Commons School, Illinois.

S. Weller Collection, 1912.

Triplophyllum welleri Grove, 1935

See: *Zaphrentis wortheni* S. Weller, 1909.

Vesiculophyllum sedaliense (White, 1880)

Referred Specimen: UC 31594; 1 specimen.

Easton, W. H., 1944a, pp. 52-53.

Mississippian, Chouteau Limestone.

Sedalia, Missouri.

Sampson Collection.

Zaphrentis ? calyculus S. A. Miller

See: *Genus and species unidentified* Easton, 1944.

Zaphrentis cliffordana Milne-Edwards and Haime, 1851

Referred Specimen: UC 4704a; 1 specimen.

Weller, S., 1909, pp. 272-273, pl. 10, fig. 18.

Referred Specimen: UC 4704b; 1 specimen.

Weller, S., 1909, pp. 272-273, pl. 10, fig. 19.

Referred Specimen: UC 4704c; 1 specimen.

Weller, S., 1909, pp. 272-273.

= *Triplophyllum cliffordanum* (Milne-Edwards and Haime, 1851)

Grove, B. H., 1935, pp. 344-346, pl. 8, figs. 4-5 (UC 4704c).

= *Triplophyllites cliffordanus* (Milne-Edwards and Haime, 1851)

Easton, W. H., 1944a, pp. 39-40.

Mississippian, Fern Glen Formation.

Railroad cut a little over 1 mile south of Kimmswick, Missouri.

S. Weller Collection, 1896.

Zaphrentis cornuformis Stewart, 1922

Holotype: UC 27552A; 1 specimen.

Stewart, G. A., in Branson, E. B., ed., 1922, p. 221, pl. 57, fig. 3.

Referred Specimen: UC 27552B-1; 1 specimen.

Stewart, G. A., in Branson, E. B., ed., 1922, p. 221, pl. 57, fig. 4.

Referred Specimen: UC 27552B-2; 1 specimen.

Stewart, G. A., in Branson, E. B., ed., 1922, p. 221, pl. 57, fig. 5.

Referred Specimen: UC 27552B-3; 1 specimen.

Stewart, G. A., in Branson, E. B., ed., 1922, p. 221, pl. 57, fig. 6.

Referred Specimen: UC 27552B-4; 1 specimen.

Stewart, G. A., in Branson, E. B., ed., 1922, p. 221, pl. 57, fig. 7.

Referred Specimen: UC 27552B; 1 specimen.

Stewart, G. A., in Branson, E. B., ed., 1922, p. 221.

Lower Devonian, Little Saline Limestone.

Little Saline Creek, near Ozora, Ste. Genevieve County, Missouri.

S. Weller Collection.

Zaphrentis declinis S. A. Miller, 1891

Holotype not designated; to be chosen from:

UC 6615a; 1 specimen.

Miller, S. A., 1891, p. 12, pl. 1, fig. 25.

Miller, S. A., 1892, p. 622, pl. 1, fig. 25.

UC 6615b; 1 specimen.

Miller, S. A., 1891, p. 12, pl. 1, fig. 26.

Miller, S. A., 1892, p. 622, pl. 1, fig. 26.

UC 6615c; 1 specimen.

Miller, S. A., 1891, p. 12.

Miller, S. A., 1892, p. 622.

=*Crassiphyllum declinis* (S. A. Miller, 1891)

Grove, B. H., 1935, pp. 369–370, pl. 9, fig. 9 (UC 6615b), fig. 10

(UC 6615a), fig. 11 (UC 6615c).

Mississippian, Keokuk Limestone.

New Providence, Indiana.

Gurley Collection.

Zaphrentis gibsoni White, 1884

Referred Specimen: UC 16168a; 1 specimen.

Mather, K. F., 1915, p. 89, pl. 1, fig. 2.

Referred Specimen: UC 16168b; 1 specimen.

Mather, K. F., 1915, p. 89, pl. 1, figs. 1, 1a.

Pennsylvanian, Morrow Formation.

Near Ft. Gibson, Oklahoma, Station 296.

Mather Collection.

Zaphrentis halli Edwards-Milne and Haime, 1851

Referred Specimen: UC 20797; 1 specimen in 2 pieces.

Hall, J., 1876, pl. 20.

Devonian, Hamilton Group.

Scaneateles Lake, New York.

Hall Collection.

Referred Specimen: UC 18347; 1 specimen in 2 pieces.

Hall, J., 1876, pl. 20.

Devonian, Hamilton Group.

Widder, Ontario.

Hall Collection.

Referred Specimen: UC 37780; 1 specimen in 2 pieces.

Hall, J., 1876, pl. 20.

Devonian, Hamilton Group.

Scaneateles Lake, New York.

Hall Collection.

Referred Specimen: UC 37781; 1 specimen in 2 pieces.

Hall, J., 1876, pl. 20.

Devonian, Hamilton Group.

Head of Senaca Lake, New York.

Gurley Collection.

= *Siphonophrentis halli* (Edwards-Milne and Haime, 1851)

Stumm, E. C., 1964, p. 24 (UC 20797, UC 18347, UC 37780,
UC 37781).

Zaphrentis irregularis Hall, 1882

Referred Specimen: UC 11859; 1 specimen.

Hall, James, 1882, pp. 34-35.

Hall, James, 1884, pp. 438-439.

= *Heterophrentis irregularis* (Hall, 1882)

Stumm, E. C., 1964, p. 20.

Devonian, Onondagan Limestone.

Falls of the Ohio, Charleston, Indiana.

Hall Collection.

Zaphrentis ? ohioensis U. P. James, 1879

Holotype not designated; to be chosen from: UC 1551; 4 specimens.

James, U. P., 1879b, p. 26.

James, J. F., 1893, pp. 144-145, fig. 8.

Ordovician, Maysville Group, Corryville Formation.

Cincinnati, Ohio.

U. P. James Collection.

Zaphrentis ovalis Hall, 1882

Holotype: UC 35927; 1 specimen. Designated by E. C. Stumm, 1964, p. 21.

Holotype, designated by E. C. Stumm, 1964, p. 21: UC 35927; 1 specimen.

Hall, James, 1882, p. 29.

Hall, James, 1883b, p. 294, pl. 23, fig. 1.

Hall, James, 1884, p. 433.

= *Heterophrentis ovalis* (Hall, 1882)

Stumm, E. C., 1964, p. 21, pl. 8, figs. 15, 16.

Middle Devonian, Jeffersonville Limestone.

Falls of the Ohio.

Hall Collection.

Zaphrentis planima Hall, 1882

Referred Specimen: UC 35920; 1 specimen.

Hall, James, 1882, p. 29.

Hall, James, 1883b, p. 292.

Hall, James, 1884, p. 433.

= *Siphonophrentis planima* (Hall, 1882)

Stumm, E. C., 1964, p. 24, pl. 15, fig. 8.

Devonian, Jeffersonville Limestone.

Falls of the Ohio.

Hall Collection.

Zaphrentis salinensis Stewart, 1922

Holotype: UC 27553A; 1 specimen.

Stewart, G. A., in Branson, E. B., ed., 1922, p. 221, pl. 57, fig. 1.

Referred Specimen: UC 27753B; 1 specimen.

Stewart, G. A., in Branson, E. B., ed., 1922, p. 221, pl. 57, fig. 2.

Devonian, Little Saline Limestone.

Little Saline Creek, near Ozora, Ste. Genevieve County, Missouri.

S. Weller Collection.

Zaphrentis wortheni S. Weller, 1909

Holotype not designated; to be chosen from:

UC 4705a; 1 specimen.

Weller, S., 1909, pp. 273-274, pl. 10, fig. 20.

UC 4705b; 1 specimen.

Weller, S., 1909, pp. 273-274, pl. 10, fig. 21.

UC 31632; 1 specimen and 1 slide.

Weller, S., 1909, pp. 273-274.

UC 31633; 2 specimens and 5 slides.

Weller, S., 1909, pp. 273-274.

=*Triplophyllum welleri* Grove, 1935

Grove, B. H., 1935, pp. 347-348 (UC 4705b, UC 31632, UC 31633), pl. 8, fig. 9 (UC 4705a).

=*Triplophyllites exiguus* (Miller, 1891)

Easton, W. H., 1944a, pp. 40-41 (UC 4705a, b), pl. 10, fig. 1 (UC 31633D), figs. 2-5 (UC 31633B), fig. 6 (UC 31633E), fig. 7 (UC 31632).

Mississippian, Fern Glen Formation.

Railroad cut a little over 1 mile south of Kimmswick, Missouri.

S. Weller Collection, 1896.

Zaphrentis sp.

Referred Specimen: UC 37862a; 1 specimen.

Weller, S., 1903, p. 223, pl. 17, fig. 9.

Referred Specimen: UC 37862b; 1 specimen.

Weller, S., 1903, p. 223, pl. 17, fig. 10.

Silurian, Decker Ferry.

Nearpass Quarry, New Jersey.

S. Weller New Jersey Collection.

Referred Specimen: UC 11362; 1 specimen.

Weller, S., 1906, p. 439, pl. 6, fig. 1.

Mississippian, Kinderhook Series, Glen Park Limestone.

Bank above the railroad cut a little south of the entrance to Gorky Quarry, Glen Park, Missouri.

S. Weller Collection, 1904.

Also see: *Heterophrentis rafinesqui* (Edwards and Haime, 1851).

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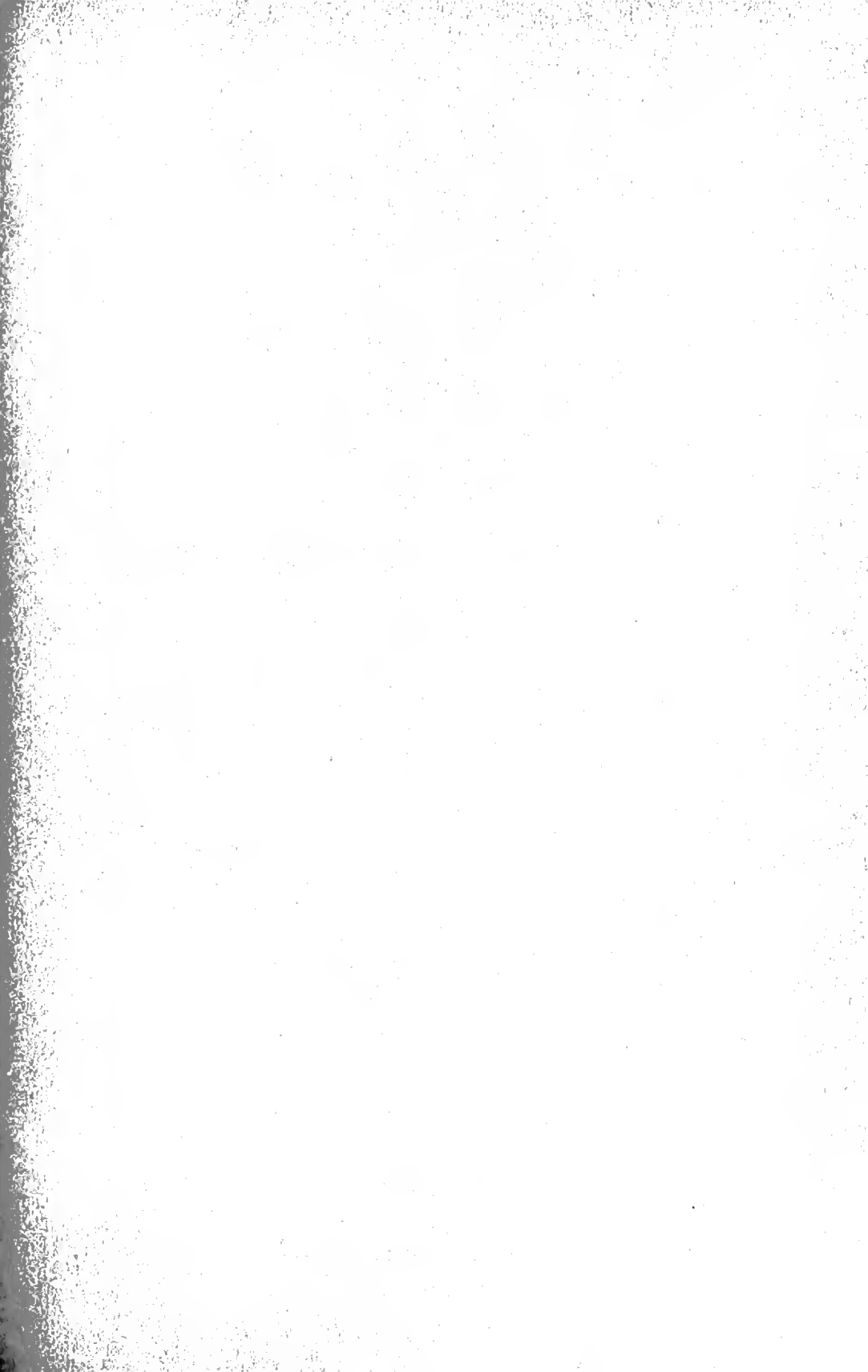
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