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*Neology*

# FIELDIANA Geology

Published by Field Museum of Natural History

Volume 37, No. 4

July 28, 1977

## Type Fossil Coelenterata (Except Corals) In Field Museum of Natural History

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### INTRODUCTION

This catalogue lists type and referred specimens of fossil Coelenterata (except the Class Anthozoa) in Field Museum. Type corals are already catalogued (Windle et al., 1973). The specimens deposited in the Walker Museum, University of Chicago (prefixed UC) are now on permanent loan to Field Museum. Specimens deposited directly into Field Museum collections are prefixed P and PE.

Only holotypes are recognized as valid types. All other so-called primary and secondary types are indicated as referred specimens. Artificial casts ("plastoholotypes" and "plastoplesiotypes") are included. The depository of the specimens used to make our plaster casts is indicated when known.

Subsequent nomenclatorial changes affecting these specimens are, in large part, from Sinclair (1952) for Conulariida, and from Flügel and Flügel-Kahler (1968) for Stromatoporoidea. We thank E. Flügel, E. S. Richardon, Jr., and J. Shott for help with specific problems.

*Library of Congress Catalog Card No.: 77-074104*

GEOLOGY

This is the seventeenth catalogue of type invertebrate fossils in Field Museum. Generic and specific names are arranged alphabetically in this catalogue. The following genera are represented:

Phylum Coelenterata

Class Scyphozoa, Subclass Conulata, Order Conulariida

*Calloconularia*

*Conularia*

Class Scyphozoa, Order Uncertain

*Anthracomedusa*

Class Hydrozoa, Order Hydroida

*Drevotella*

*Mazohydra*

Class Hydrozoa, Order Siphonophorida

*Discophyllum*

Class Hydrozoa, Order Stomatoporoidea

*Actinostroma*

*Dermastroma*

*Stromatocerium* (described as *Alveolites*)

*Stromatopora*

Class Uncertain

*Octomedusa*

CATALOGUE

**Actinostroma trentonensis** S. Weller, 1903

*Holotype*: not designated, to be selected from: UC 10291 and other specimens whose whereabouts are unknown.

*Referred specimen*: UC 10291

S. Weller, 1903, p. 139, pl. 6, fig. 8.

=? *Stromatopora* (*Solenopora*) *compacta* Billings, 1865, calcareous alga

Parks, 1910, p. 49

Flügel and Flügel-Kahler, 1968, p. 430

Middle Ordovician, Trenton Limestone.

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



*Remarks:* Flügel and Flügel-Kahler (1968, p. 430) note that *A. trentonense* Weller, 1903 is a homonym of *A. trentonense* Ulrich and Everett, 1890. No substitute name is necessary because Weller's specimen is a calcareous alga, not a stromatoporoid.

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

*Holotype:* by monotypy: UC 2250

U. P. James, 1875, p. 2

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

Windle, Augustynek, and Nitecki, 1973, p. 4

=*Alveolites granulosis* U. P. James, 1875

U. P. James, 1872, p. 2 *nomen nudum*

Flügel and Flügel-Kahler, 1968, p. 183

=*Stromatocerium huronense* (Billings, 1865) Class Hydrozoa,  
Order Stromatoporoidea

Parks, 1910, pp. 20-24, pl. 22, figs. 6, 10

Bassler, 1915, p. 1213

Galloway and St. Jean, 1961, p. 66

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

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

Upper Ordovician, Cincinnati Series, Richmond Stage, Waynesville Formation.

Clarkesville, Clinton County, Ohio.

**Anthracomedusa turnbulli** Johnson and Richardson, 1968

*Holotype:* by original designation: PE 10500

Johnson and Richardson, 1968, pp. 110-112, fig. 57

*Referred specimen:* PE 10501

Johnson and Richardson, 1968, pp. 110-112, fig. 58

Middle Pennsylvanian, Desmoinesian, Westphalian C, Carbondale Formation, Francis Creek Shale.

Pit Eleven, Peabody Coal Company, Essex, Kankakee County, Illinois.

*Remarks:* *Anthracomedusa turnbulli* is the type species for the genus *Anthracomedusa* Johnson and Richardson, 1968.

**Arthropora cleavelandi** (U. P. James, 1881)

See: *Stromatopora ? lichenoides* U. P. James, 1879

**Arthropora shafferi** (Meek, 1872)

See: *Stromatopora ? lichenoides* U. P. James, 1879

**Calloconularia strimplei** Sinclair, 1952

*Holotype*: by original designation: PE 142

Sinclair, 1952, pp. 140-141, text-figs. 56d-f

Moore and Harrington, 1956, p. F65, text-fig. 51, no. 6a-6b

*Referred specimens*: five specimens: PE 143

Sinclair, 1952, pp. 140-141

Upper Pennsylvanian, Missourian, Ochilate Group, Unnamed shale 30 ft. above Torpedo Sandstone.

Two miles north-northeast of Capan, Oklahoma. Collected by H. L. Strimple. Gift of G. W. Sinclair.

*Remarks*: *Calloconularia strimplei* is the type species of the genus *Calloconularia* Sinclair, 1952.

**Ceramoporella distincta** Ulrich, 1890

See: *Stromatopora ludlowensis* U. P. James, 1884

*Stromatopora tubularis* U. P. James, 1884

**Ceramoporella granulosa millfordensis** (U. P. James, 1878)

See: *Stromatopora ludlowensis* U. P. James, 1884

**Ceramoporella** spp.

See: *Stromatopora tubularis* U. P. James, 1884

**Conularia cayuga** Hall, 1876

"*Plastoholotype*": UC 679

Hall, 1876, pl. 29, figs. 8-9

Hall, 1879, pp. 210-211, pl. 33, figs. 8-9

Middle Devonian, Hamilton Group.

Norton's Landing, east shore of Cayuga Lake, New York. James Hall Collection.

*Remarks*: UC 685 is a plaster cast of New York State Museum NYSM 3482 (11000/1).

**Conularia crebistriata** Hall, 1876

"*Plastoholotype*": UC 679

Hall, 1876, pl. 29, figs. 8-9

Hall, 1879, pp. 210-211, pl. 33, figs. 8-9

Middle Devonian, Hamilton Group.

Genesee Valley, New York. James Hall Collection.

*Remarks:* The whereabouts of the original specimen are unknown.

***Conularia crustula* White, 1880**

*Referred specimens:* three specimens: UC 31469

Plummer and Moore, 1921, p. 219

Upper Pennsylvanian, Cisco Group, Graham Formation, Gun-sight Member.

One-and-one-half miles south of South Bend, Young County, Texas. Plummer Collection.

***Conularia doani* Dennis, 1878**

"*Plastoholotype*": P 20685

Dennis, 1878, pp. 35-36, text-fig. 3

Dennis, 1889, p. 24

Borden, 1901, p. 43

=*Conularia formosa* Miller and Dyer, 1878

U. P. James, 1879b, p. 11

Sinclair and Rollman, 1951, pp. 540-541

Upper Ordovician, Richmond Group.

John's Creek, Abington Township, near Richmond, Wayne County, Indiana. Collected by Joseph Doan.

*Remarks:* The whereabouts of the original specimen are unknown.

***Conularia formosa* Miller and Dyer, 1878**

*Referred specimen?:* P 18104

Miller and Dyer, 1878, p. 38

Upper Ordovician, Cincinnati Series.

Ohio. Dyer Collection.

*Remarks:* P 18104 is listed as "paratype" in Field Museum catalogue.

See also: *Conularia doani* Dennis, 1878

**Conularia gratiosa** Miller and Gurley, 1894

*Holotype*: by monotypy: UC 6627

Miller and Gurley, 1894, p. 74, pl. 8, fig. 1

Upper Mississippian, Meramec Series, Salem Limestone.

Spergen Hill, Indiana. Gurley Collection.

**Conularia greenei** Miller and Gurley, 1896

*Holotype*: by monotypy: UC 6628

Miller and Gurley, 1896, pp. 27-28, pl. 3, fig. 3

=? *Ctenoconularia greenei* (Miller and Gurley, 1896)

Moore and Harrington, 1956, p. F65, text-fig. 51, no. 4

Lower Mississippian, Keokuk Group

Edwardsville, Indiana. Collected by G. K. Greene. Gurley Collection.

**Conularia intertexta** Miller, 1894

*Holotype*: by monotypy: UC 6610

Miller, 1892b, p. 63, pl. 10, fig. 4

Miller, 1894, p. 317, pl. 10, fig. 4

Lower Mississippian, Keokuk Group.

West Point, Indiana. Collected by S. S. Gorby. Gurley Collection.

**Conularia lata** Hall, 1859

"*Plastoholotype*": UC 628

Hall, 1859, pp. 479-480, pl. 111, fig. 1

Lower Devonian, Oriskany Sandstone.

Schoharie, Schoharie County, New York. James Hall Collection.

*Remarks*: UC 628 is a plaster cast of New York State Museum NYSM 3490 (11006/1).

**Conularia manni** Roy, 1935

*Holotype*: by original designation: P 23674 A

Roy, 1935, pp. 147-153, text figs. 30, 31 b

= *Metaconularia manni* (Roy, 1935)

Sinclair, 1940, pp. 113-114, pl. 1, fig. 6

*Referred specimen*: P 23674 B

Roy, 1935, pp. 147-153, text fig. 32b

=*Metaconularia manni* (Roy, 1935)  
Sinclair, 1940, pp. 113-114

*Referred specimen*: P 23507  
Roy, 1935, pp. 147-153, text figs. 31a, 32a

=*Metaconularia manni* (Roy, 1935)  
Sinclair, 1940, pp. 113-114

Middle Silurian, Lockport Dolomite, "*Lecthaylus* Shale."

1934 construction of Calumet feeder for Chicago drainage canal,  
just southwest of Blue Island, Illinois. J. Mann, A. Lees, F.  
Markham, S. K. Roy, donors.

***Conularia micronema* Meek, 1871**

*Referred specimen*: UC 54014  
Herrick, 1888, p. 49, pl. 8, fig. 4

Lower Mississippian, Kinderhookian-Osagean, Waverly Group.  
Moot's Run, Licking County, Ohio. James Hall Locality 385.  
James Hall Collection.

*Remarks*: *Conularia micronema* = *Diconularia micronema* (Meek,  
1871) Sinclair, 1952, pp. 138-139.

***Conularia missouriensis* Swallow, 1860**

"*Plastoplesiotype*": UC 15802  
Meek and Worthen, 1873, pp. 541-542, pl. 22, figs. 5a, 5b

Upper Mississippian, Meramec Series, Warsaw Limestone.  
Warsaw, Illinois. James Hall Collection.

*Remarks*: UC 15802 is a cast of University of Illinois X-102.

***Conularia niagarensis* Hall, 1852**

"*Plastocotype*": UC 60858  
Hall, 1852, pp. 294-295, pl. 65, figs. 1e-1f  
Grabau, 1901a, p. 214, text-fig. 145  
Grabau, 1901b, p. 214, text-fig. 145

Lower Silurian, Rochester Shale.

Lockport, Niagara County, New York. James Hall Collection.

*Remarks*: The whereabouts of the original specimens are un-  
known.

**Conularia sampsoni** Miller, 1891

*Holotype*: by monotypy: UC 6961

Miller, 1891, pp. 80-81, pl. 14, figs. 11-12

Miller, 1892a, pp. 690-691, pl. 14, figs. 11-12

Branson, 1938, pp. 110-111, pl. 14, fig. 9

Lower Mississippian, Chouteau Limestone.

Sedalia, Missouri. Collected by F. A. Sampson. Sampson Collection.

**Conularia spergenensis** Miller and Gurley, 1894

*Holotype*: by monotypy: UC 6289

Miller and Gurley, 1894, pp. 74-75, pl. 8, fig. 2

Upper Mississippian, Meramec Series, Salem Limestone.

Spergen Hill, Indiana. Gurley Collection.

**Conularia subcarbonaria** Meek and Worthen, 1865

*"Plastoholotype"*: UC 15806

Meek and Worthen, 1865, p. 253

Meek and Worthen, 1873, pp. 520-522, pl. 19, figs. 4a-4c

Lower Mississippian, Keokuk Limestone.

Warsaw, Hancock County, Illinois (Meek and Worthen, 1865) or

Hamilton, Hancock County, Illinois (Meek and Worthen, 1873,

and Hansman and Scott, 1967, p. 1017). James Hall Collection.

*Remarks*: UC 15806 is a cast of University of Illinois X-105.

**Conularia trentonensis** Hall, 1847

*Referred specimen*: UC 37887A

S. Weller, 1903, p. 188, pl. 13, figs. 7, 8

*Referred specimen*: UC 37887B

S. Weller, 1903, p. 188

Middle Ordovician, Trenton Limestone.

Hill, 580 ft. in elevation, on the property of Mr. E. J. Hough, just

back of the mill at Jacksonburg, near Blairstown, New Jersey.

S. Weller Locality 174 A<sup>33</sup>. New Jersey Collection.

*Referred specimens*: eight specimens: UC 37866

S. Weller, 1903, p. 38

Middle Ordovician, Trenton Limestone.

About seven-eighths of a mile a little west of north from Beaver Run, west of Hamburg, Sussex County, New Jersey. S. Weller Locality 79A. New Jersey Collection.

**Conularia trentonensis var. occidentalis** Bradley, 1930

*Holotype*: by original designation: UC 29083 (missing)

Bradley, 1925, p. 57 *nomen nudum*

Bradley, 1930, pp. 242-243, pl. 25, fig. 12

=*Ctenoconularia occidentalis* (Bradley, 1930)

Sinclair, 1952, p. 142

Middle Ordovician, Kimmswick Limestone.

Near Imperial, Jefferson County, Missouri. Collected by Gerald Knight.

*Referred specimens*: UC 29081 (missing), UC 29080, UC 29082, UC 60591

Bradley, 1925, p. 57 *nomen nudum*

Bradley, 1930, pp. 242-243

=*Ctenoconularia occidentalis* (Bradley, 1930)

Sinclair, 1952, p. 142

Middle Ordovician, Kimmswick Limestone.

Railroad Station at Glen Park, Missouri. Collected by J. H. Bradley, Jr. (UC 29081).

One mile north of Batchtown, Illinois. Collected by J. H. Bradley, Jr. (UC 29080 and UC 60591).

Glencoe Lime Co. Quarry, Glen Park, Missouri. Collected by S. Weller, 1896 (UC 29082).

**Conularia undulata** Conrad, 1841

"*Plastoplesiotype*": UC 694

Hall, 1876, pl. 29, fig. 5

Hall, 1879, pp. 208-209, pl. 33, fig. 5

Middle Devonian, Hamilton Formation.

Cazenovia, Madison County, New York. James Hall Collection.

*Remarks*: The whereabouts of the original specimen are unknown.

**Conularia** sp.

*Referred specimens*: seven specimens: UC 31045

S. Weller, 1921, p. 74

Upper Mississippian, Chester Series, Glen Dean Limestone.

In the floor of the nearly straight, narrow north-south valley tributary to Deer Creek from the south, 3¼ miles south of Lola, Livingston County, Kentucky. Collected by S. Weller, 1920.

**Ctenoconularia greenei** (Miller and Gurley, 1896)

See: *Conularia greenei* Miller and Gurley, 1896

**Ctenoconularia occidentalis** (Bradley, 1930)

See: *Conularia trentonensis* var. *occidentalis* Bradley, 1930

**Dermastroma papillatum** (U. P. James, 1878)

See: *Stromatopora papillata* U. P. James, 1878

**Dermatostroma scabrum** (U. P. James, 1879)

*Referred specimen:* UC 1555

Parks, 1910, pp. 31-33, pl. 24, fig. 2

Upper Ordovician, Cincinnati Series

Blanchester, Clinton County, Ohio. James Collection.

*Remarks:* UC 1555 consists of three fragments and two slides.

**Diconularia micronema** (Meek, 1871)

See: *Conularia micronema* Meek, 1871

**Discophyllum peltatum** Hall, 1847

*Lectotype:* designated by Harrington and Moore, 1956, pp. F150-F151: UC 12517

Hall, 1847, p. 277, pl. 75, fig. 3

Walcott, 1898, p. 101, pl. 47, fig. 1

Ruedemann, 1934, pp. 30-32, pl. 12, fig. 1

Harrington and Moore, 1956, pp. F150-F151, fig. 120, no. 1a

Middle Ordovician, Trenton, Hudson River Group.

“Metamorphic arenaceous shales” (Hall, 1847). Black Snake Hill Shale (Ruedemann, 1934).

Near the nail factory, South Troy (Ruedemann, 1934), Rensselaer County, New York. James Hall Collection.

*Remarks:* *Discophyllum peltatum* is the type species of the genus *Discophyllum* Hall, 1847. The whereabouts of the second,



smaller specimen (paratype) figured by these authors are unknown.

**Drevotella proteana** Nitecki and Richardson, 1972

*Holotype*: by original designation: PE 18105

Nitecki and Richardson, 1972, pp. 1-7, text fig. 2a

*Referred specimen*: PE 18109

Nitecki and Richardson, 1972, pp. 1-5, text fig. 3a

Middle Pennsylvanian, Desmoinesian, Westphalian C, Carbon-dale Formation, Francis Creek Shale.

Pit Eleven, Peabody Coal Company, Will or Kankakee County, Illinois. Donated by C. Ingells (PE 18105) and J. Turnbull (PE 18109).

*Remarks*: *Drevotella proteana* is the type species of the genus *Drevotella* Nitecki and Richardson, 1972.

**Labechia huronensis** (Billings, 1865)

See: *Stromatopora subcylindrica* U. P. James, 1884

**Labechia subcylindrica** (U. P. James, 1884)

See: *Stromatopora subcylindrica* U. P. James, 1884

**Mazohydra megabertha** Schram and Nitecki, 1975

*Holotype*: by original designation: P 32074

Schram and Nitecki, 1975, pp. 549-551, text fig. 1.

Middle Pennsylvanian, Desmoinesian, (Westphalian C), Francis Creek Shale.

Pit Eleven, Peabody Coal Company, Will-Kankakee Counties, Illinois.

*Remarks*: *Mazohydra megabertha* is the type species of the genus *Mazohydra* Schram and Nitecki, 1975.

**Metaconularia manni** (Roy, 1935)

See: *Conularia manni* Roy, 1935

**Octomedusa pieckorum** Johnson and Richardson, 1968

*Holotype*: by original designation: PE 11410

Johnson and Richardson, 1968, pp. 112-115, fig. 60

*Referred specimen:* PE 11411 (missing)

Johnson and Richardson, 1968, p. 113, fig. 62

*Referred specimen:* PE 11377 (missing)

Johnson and Richardson, 1968, p. 113, fig. 61

Richardson, 1968, figured on p. 6

Johnson and Richardson, 1970, pl. 4, fig. B

Richardson and Johnson, 1971, fig. 2f

Middle Pennsylvanian, Desmoinesian, Westphalian C, Carbon-  
dale Formation, Francis Creek Shale.

Pit Eleven, Peabody Coal Company, Will County, Illinois.

*Remarks:* *Octomedusa pieckorum* is the type species for the genus  
*Octomedusa* Johnson and Richardson, 1968.

**Stromatocerium granulosum** (U. P. James, 1875)

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

**Stromatocerium huronense** (Billings, 1865)

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

**Stromatopora (Solenopora) compacta** Billings, 1865

See: *Actinostroma trentonensis* S. Weller, 1903

**Stromatopora ? lichenoides** U. P. James, 1879

*Holotype:* not designated, to be selected from: UC 1522 and UC  
1538

*Referred specimens:* four specimens: UC 1522

U. P. James, 1879a, p. 18

J. F. James, 1892, pp. 90-91

=*Arthropora cleavelandi* (U. P. James, 1881), a bryozoan  
Bassler, 1906, p. 56

Upper Ordovician, Cincinnati Series, Eden Stage, "Utica  
Shales."

Cincinnati, Ohio. James Collection.

*Referred specimens:* five specimens: UC 1538

U. P. James, 1879a, p. 18

J. F. James, 1892, pp. 90-91

=*Arthropora shafferi* (Meek, 1872), a bryozoan  
Bassler, 1906, p. 56

Upper Ordovician, Cincinnati Series, Richmond Stage.  
Blanchester, Ohio. James Collection.

*Remarks:* Parks (1910, p. 48) and Flügel and Flügel-Kahler (1968, p. 243) concur with Bassler's (1906, p. 56) diagnosis.

***Stromatopora ludlowensis* U. P. James, 1884**

*Holotype:* by original designation: UC 180  
U. P. James, 1884a, p. 140, pl. 7, figs. 4-4a  
J. F. James, 1892, p. 91

= in part *Ceramoporella distincta* Ulrich, 1890, a bryozoan  
Bassler, 1906, pp. 57-58

= in part *Ceramoporella granulosa millfordensis* (U. P. James, 1878), a bryozoan  
Bassler, 1906, pp. 57-58

=*Ceramoporella distincta* Ulrich, 1890, a bryozoan  
Parks, 1910, p. 48  
Flügel and Flügel-Kahler, 1968, p. 248

Upper Ordovician, Cincinnati Series.

Ludlow Ferry, Kentucky. James Collection.

*Remarks:* UC 180 consists of one specimen and one slide. According to Bassler (1906, pp. 57-58), UC 180 is a mass encrusted by successive layers of two species of *Ceramoporella*.

***Stromatopora lunata* U. P. James, 1878**

*Holotype:* by monotypy: UC 2404 (missing)  
U. P. James, 1878b, p. 10

Lower Silurian, Llandoverly, Brassfield Limestone.

Clinton County, Ohio.

*Remarks:* "Not recognized" by Bassler (1915, p. 1217) or by Flügel and Flügel-Kahler (1968, p. 248).

***Stromatopora papillata* U. P. James, 1878**

*Holotype:* by monotypy: UC 160  
U. P. James, 1878a, p. 1  
J. F. James, 1892, p. 91

=*Dermatostroma papillatum* (U. P. James, 1878)  
 Parks, 1910, pp. 30-31, pl. 23, figs. 8-9  
 Flügel and Flügel-Kahler, 1968, p. 302

Upper Ordovician, Cincinnati Series.  
 Cincinnati, Ohio. James Collection.

**Stromatopora subcylindrica** U. P. James, 1884

*Holotype*: by monotypy: UC 1199

U. P. James, 1884a, pp. 20-21, text-fig. 1, 1a-1c  
 J. F. James, 1892, p. 90

=*Labechia subcylindrica* (U. P. James, 1884)  
 Parks, 1910, pp. 27-29, pl. 23, figs. 3, 4, 6, 7

=*Labechia huronensis* (Billings, 1865)  
 Galloway and St. Jean, 1961, p. 50  
 Flügel and Flügel-Kahler, 1968, p. 412

Upper Ordovician, Cincinnati Series, Richmond Stage, Waynesville Formation.

Near Morrow, Warren County, Ohio. James Collection.

*Remarks*: UC 1199 consists of two fragments and two slides.

**Stromatopora tubularis** U. P. James, 1884

*Holotype*: by original designation: UC 1552

U. P. James, 1884b, p. 139, pl. 7, figs. 3, 3a-3b  
 J. F. James, 1892, pp. 89-90

=*Ceramoporella* spp., bryozoa  
 Bassler, 1906, p. 57  
 Flügel and Flügel-Kahler, 1968, p. 437

=*Ceramoporella distincta* Ulrich, 1890, a bryozoan  
 Parks, 1910, p. 49

Upper Ordovician, Cincinnati Series, Eden Shale.  
 Cincinnati, Ohio. James Collection.

*Remarks*: According to Bassler (1906, p. 57), UC 1552 is "a portion of the living chamber of a cephalopod (*Orthoceras* or *Endoceras*) . . ." encrusted by *Ceramoporella distincta* Ulrich, 1890, *Ceramoporella granulosa millfordensis* (U. P. James, 1878), and *Ceramoporella ohioensis* (Nicholson, 1875).

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