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. Richardson, Jr., and J. Shott for help with specific problems.
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 Stromatoporoidea
   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.

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, Augustynel, and Nitecki, 1973, p. 4

=*Alveolites granulosus* 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 Stromatoporidea
- Parks, 1910, pp. 20-24, pl. 22, figs. 6, 10
- Bassler, 1915, p. 1213
- Galloway and St. Jean, 1961, p. 66

=*Stromatocerium granulosum* (U. P. James, 1875)
- Foerste, 1916, pp. 299-301, pl. 1, fig. 1

Upper Ordovician, Cincinnatian 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 shafferii (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.


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.


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.
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, Gunsight 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, Cincinnatian 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.

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

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.

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."

Conularia micronema Meek, 1871
Referred specimen: UC 54014
Herrick, 1888, p. 49, pl. 8, fig. 4

Lower Mississippian, Kinderhookian- Osagean, Waverly Group.

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.
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 unknown.
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.

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.

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,

_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\(^3\). 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).


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, 3 1/4 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, Cincinnatian 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), Rensaelaer 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.


*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, Carbondale 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, Cincinnatian 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, Cincinnatian Series, Richmond Stage.
Blanchester, Ohio. James Collection.


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, Cincinnatian 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, Llandovery, 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, Cincinnatian 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, Cincinnatian Series, Richmond Stage, Waynesville Formation.
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, Cincinnatian 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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FLÜGEL, ER IK and ERENTRAUD FLÜGEL-KAHLER

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GABAU, A. W.

HALL, JAMES
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HANSMAN, R. H. and H. W. SCOTT


HARRINGTON, H. J. and R. C. MOORE


HERRICK, C. L.


JAMES, J. F.


JAMES, U. P.


FORNEY ET AL.: FOSSIL COELENTERATA

JOHNSON, R. G. and E. S. RICHARDSON, JR.


MEEK, F. B. and A. H. WORTHEN


MILLER, S. A.


MILLER, S. A., and C. B. DYER


MILLER, S. A. and W. F. E. GURLEY


MOORE, R. C. and H. J. HARRINGTON


NITECKI, M. H. and E. S. RICHARDSON, JR.


PARKS, W. A.


PLUMMER, F. B. and R. C. MOORE

Richardson, E. S., Jr.

Richardson, E. S., Jr. and R. G. Johnson

Roy, S. K.

Ruedemann, Rudolf

Schram, F. R. and M. H. Nitecki

Sinclair, G. W.

Sinclair, G. W. and E. S. Richardson, Jr.

Sinclair, G. W. and M. E. Rollman

Walcott, C. D.

Weller, Stuart

Windle, P. N., R. M. Augustyn, and M. H. Nitecki