

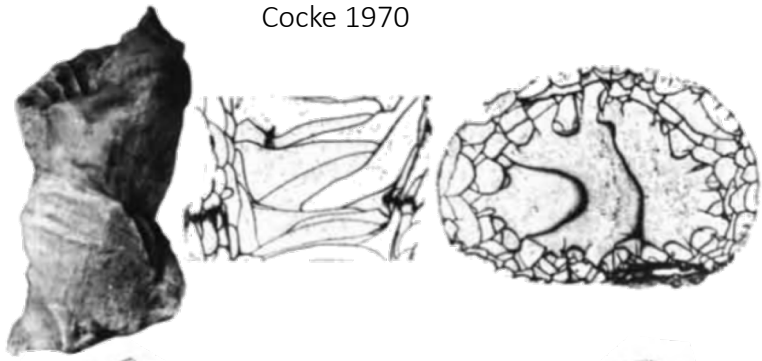
Pictorial Guide to Upper Pennsylvanian Fossils

By Ben Neuman, in conjunction with the Dallas Paleontological Society

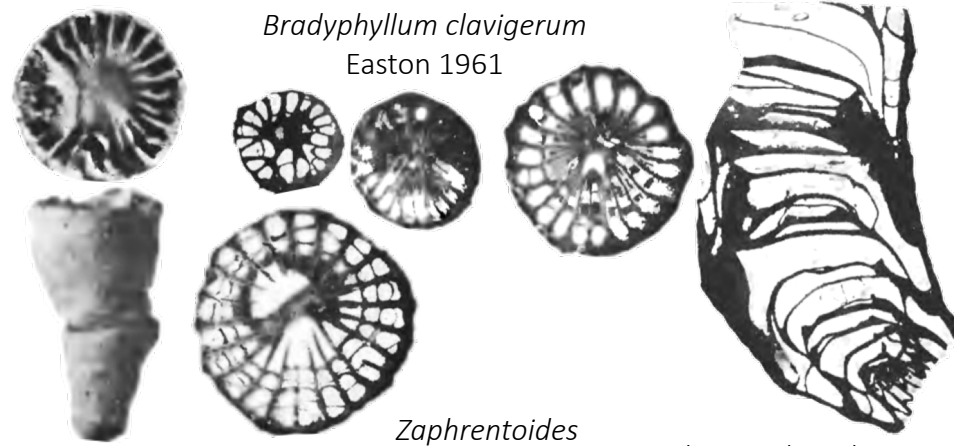
Section 3 – Cnidaria, Porifera, Bryozoa, Ichnofossils

Cnidaria - Rugosa

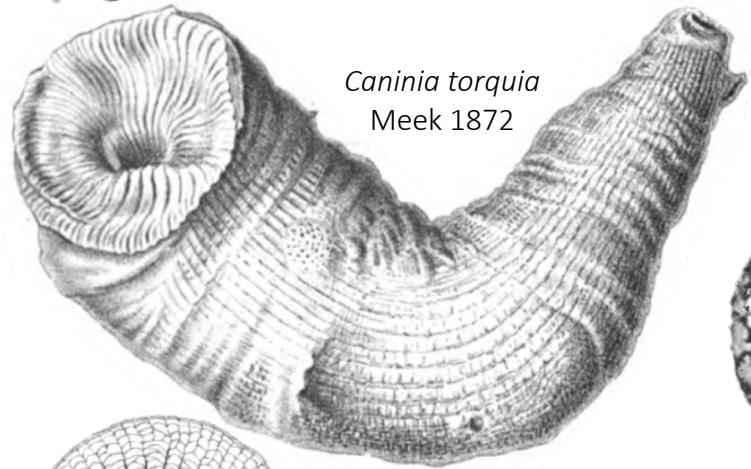
Neokoninckophyllum acolumnatum
Cocke 1970



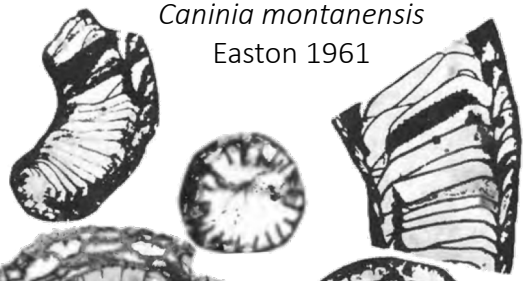
Bradyphyllum clavigerum
Easton 1961



Caninia torquia
Meek 1872



Caninia montanensis
Easton 1961



Zaphrentoides gibsoni
White 1883



Zaphrentoides gibsoni
Mather 1916



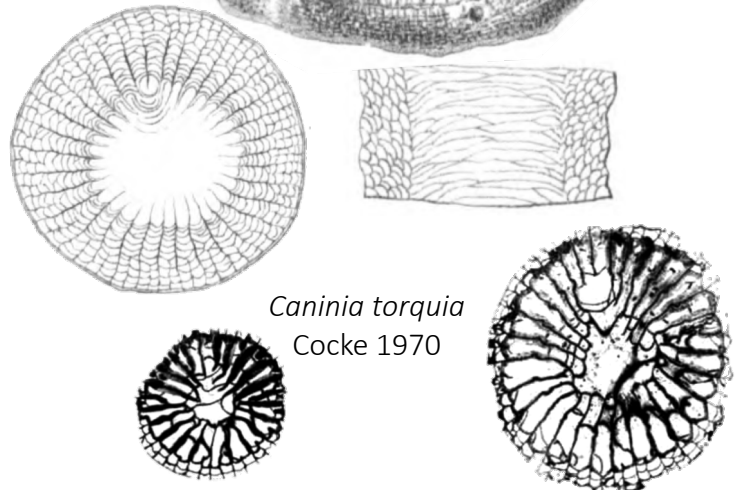
Zaphrentoides wannense
Newell 1935



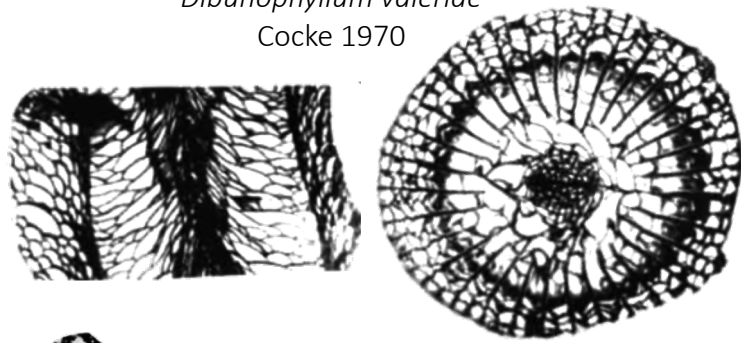
Zaphrentoides neogriffithi
(As example from genus)
Easton 1976



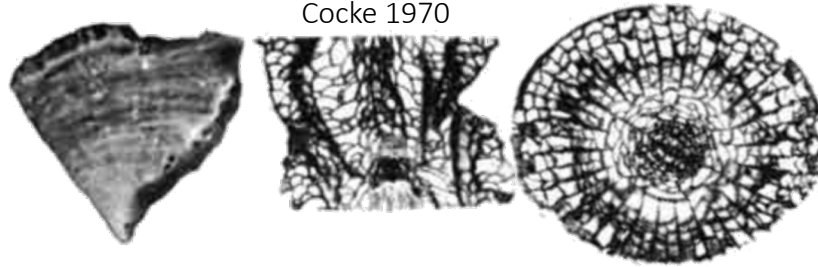
Caninia torquia
Cocke 1970



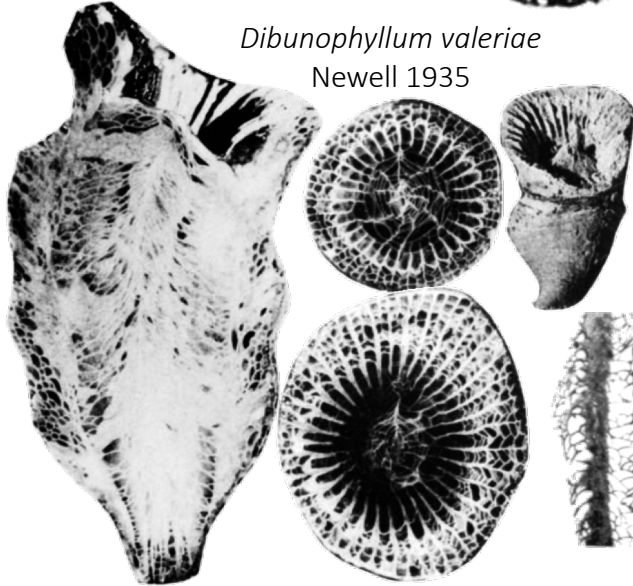
Dibunophyllum valeriae
Cocke 1970



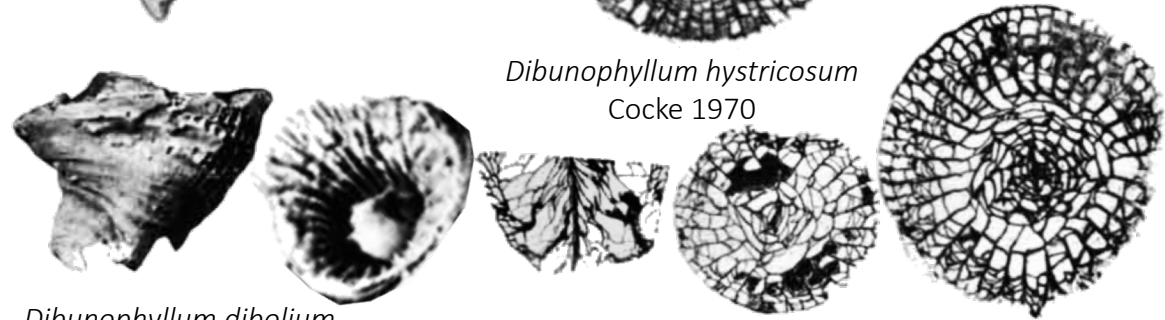
Dibunophyllum parvum
Cocke 1970



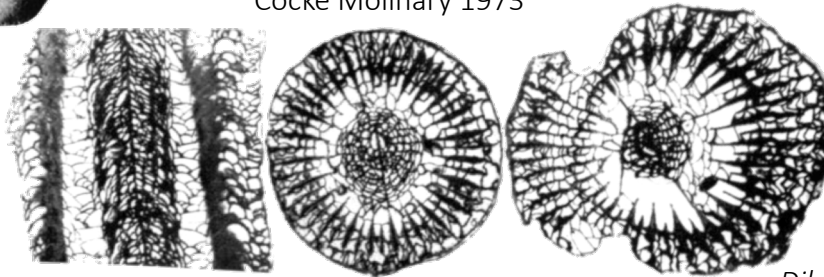
Dibunophyllum valeriae
Newell 1935



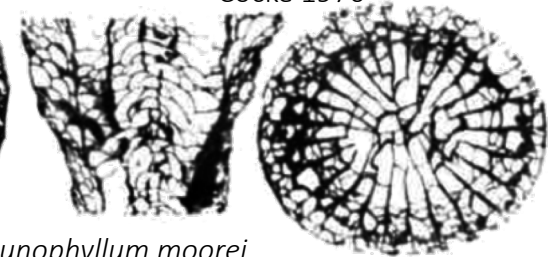
Dibunophyllum hystricosum
Cocke 1970



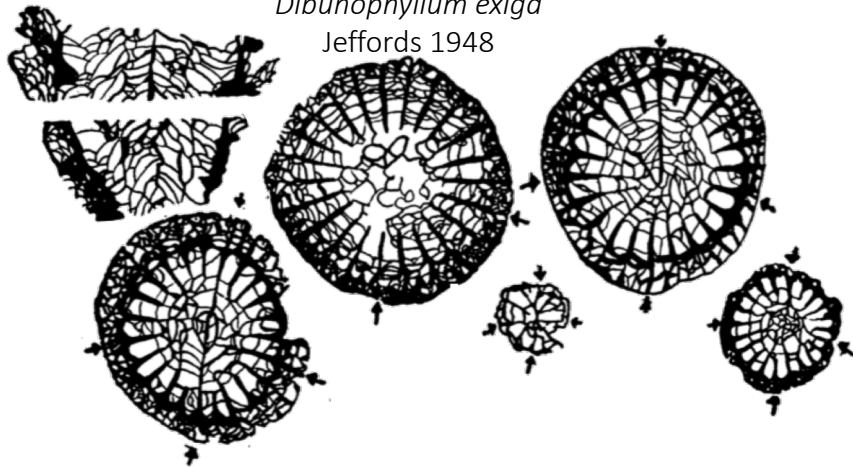
Dibunophyllum dibolium
Cocke Molinary 1973



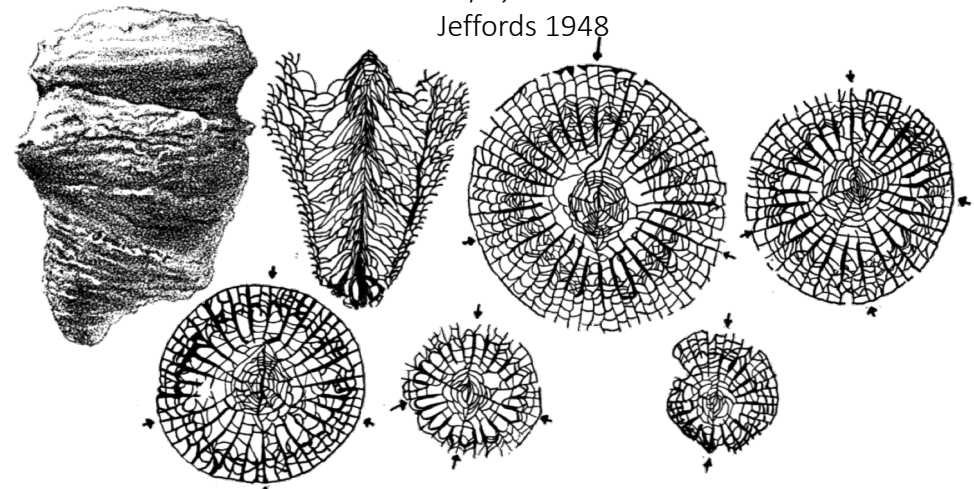
Dibunophyllum dibolium
Cocke 1970



Dibunophyllum exigua
Jeffords 1948



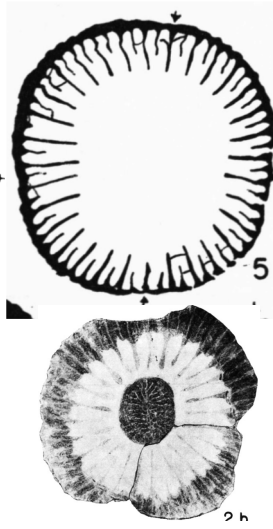
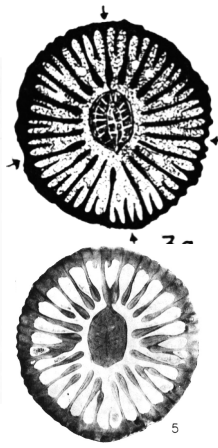
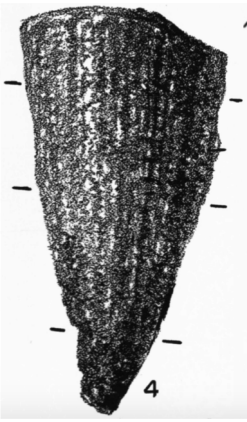
Dibunophyllum moorei
Jeffords 1948



Lophophyllidium plummeri
Martin 1965



Lophophyllidium plummeri
Jeffords 1947



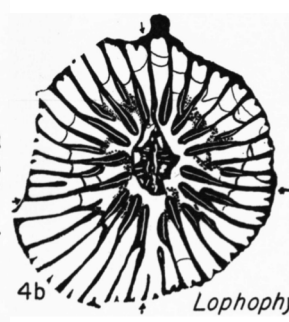
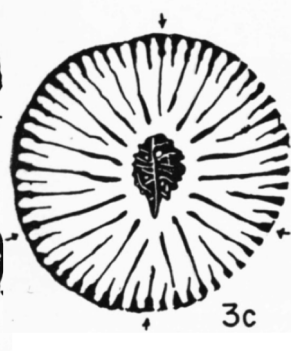
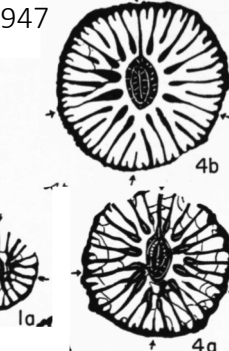
Lophophyllidium lanosum
Jeffords 1947



Lophophyllidium spinosum
Martin 1965



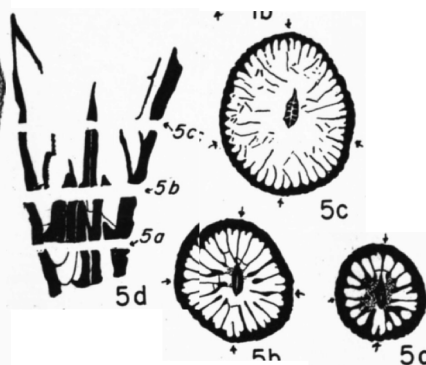
Lophophyllidium spinosum
Jeffords 1947



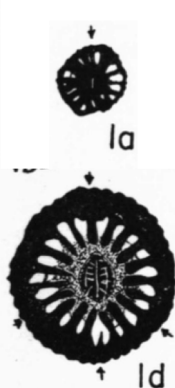
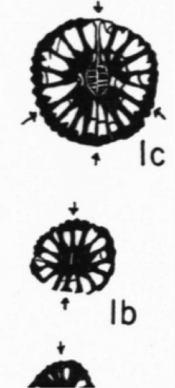
Lophophyllidium cf. vidriensis
Ross & Ross 1962



Lophophyllidium coniforme
Jeffords 1947



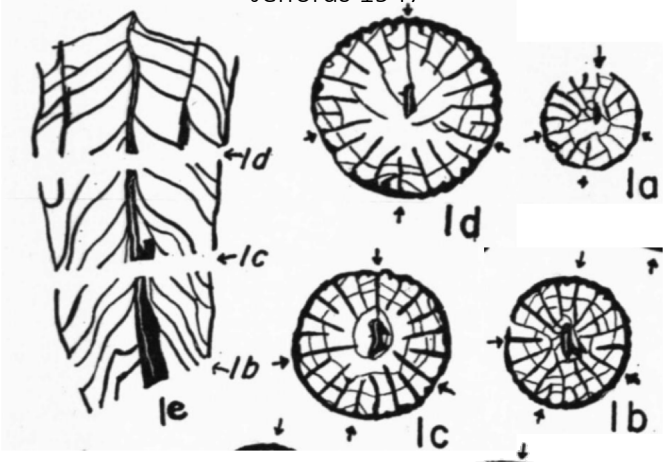
Lophophyllidium asarcum
Jeffords 1947



Lophophyllidium vidriensis
Ross & Ross 1962



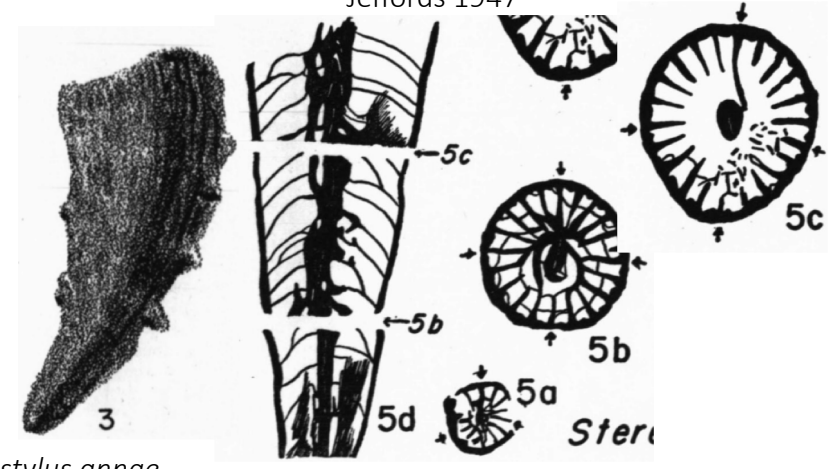
Stereostylus absitus
Jeffords 1947



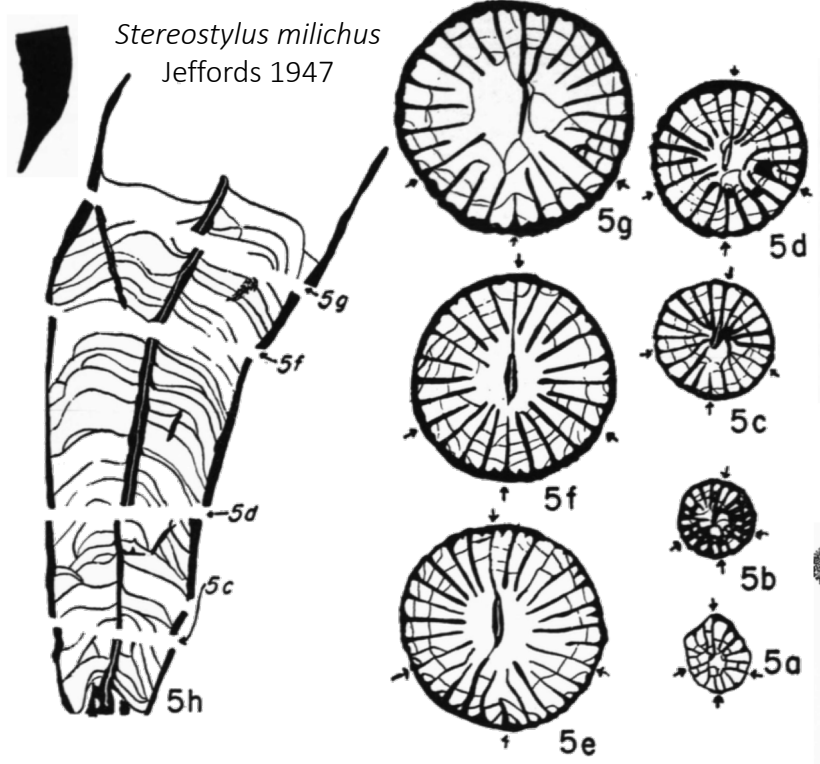
Stereostylus absitus
Mather 1916



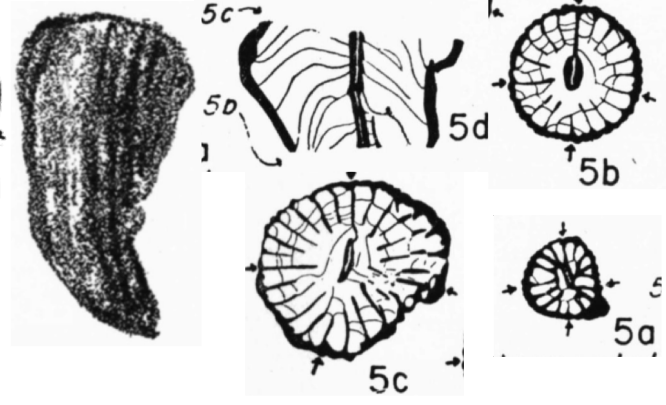
Stereostylus pandatus
Jeffords 1947



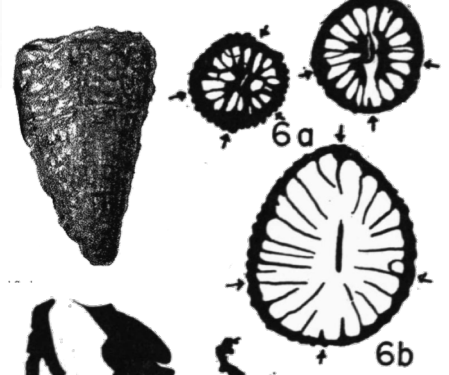
Stereostylus milichus
Jeffords 1947



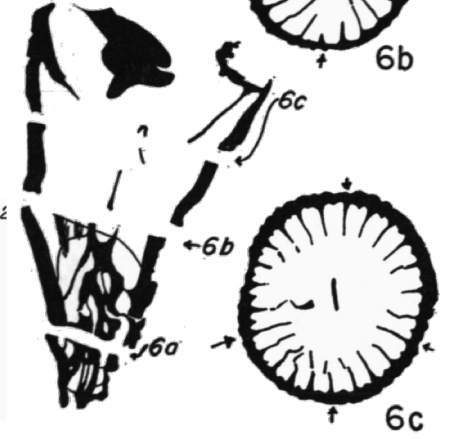
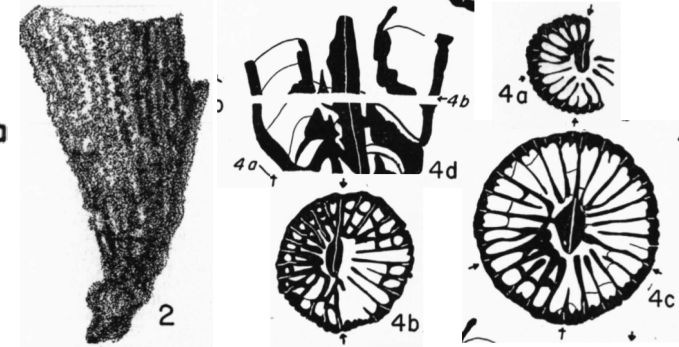
Stereostylus annae
Jeffords 1947



Stereostylus adelus
Jeffords 1947



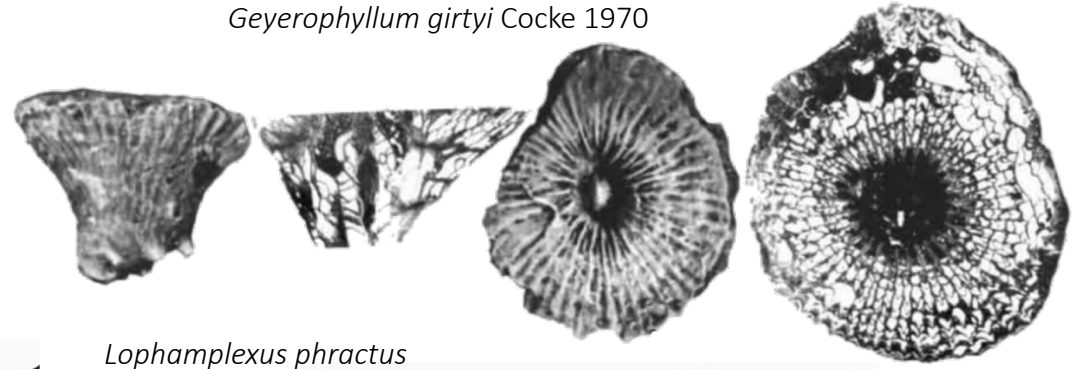
Stereostylus perversus
Jeffords 1947



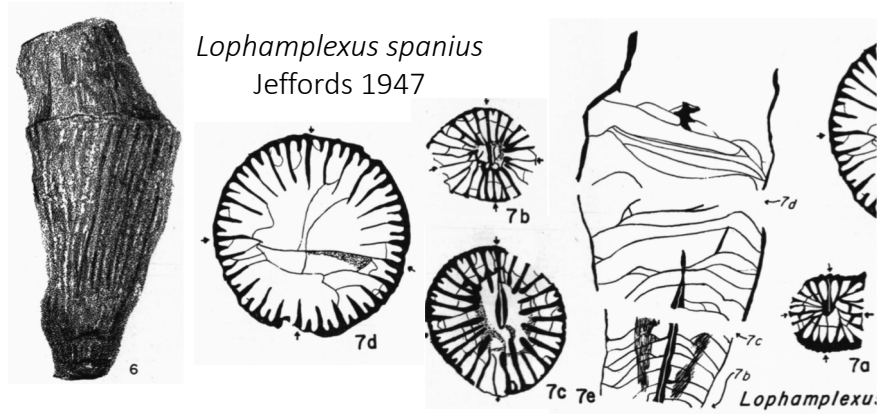
Geyerophyllum broilii
Cocke 1970



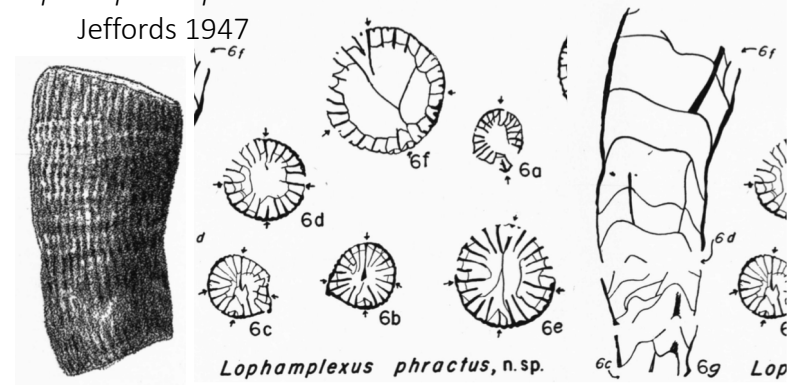
Geyerophyllum girtyi Cocke 1970



Lophamplexus spanius
Jeffords 1947

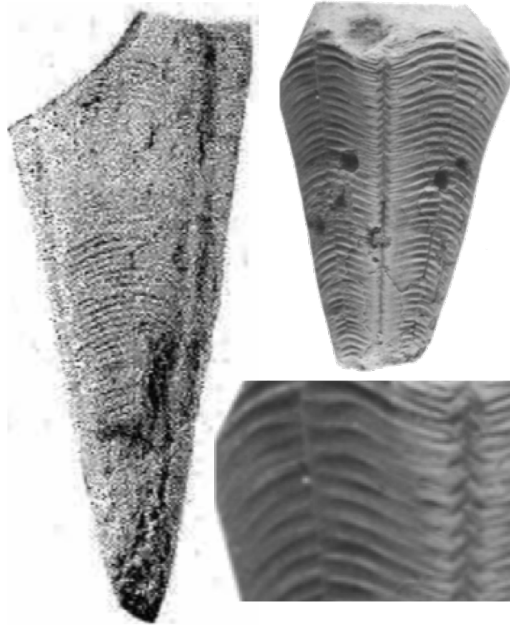


Lophamplexus phractus
Jeffords 1947



Cnidaria – Tabulata, Conulariida

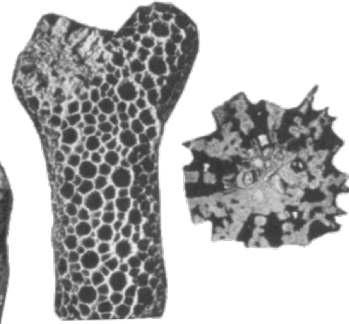
Paraconularia magna
Branson 1965, Mapes 1989



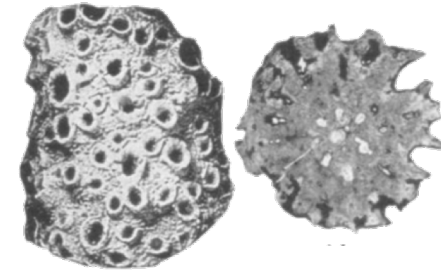
Paraconularia magna
Girty 1911



Striatopora plummeri
Wells 1944



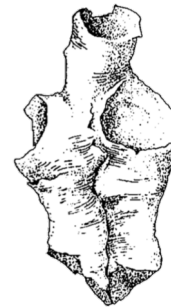
Striatopora trachyporoides
Wells 1944



Cladochonus fragilis
Cocke 1966, Mather 1916



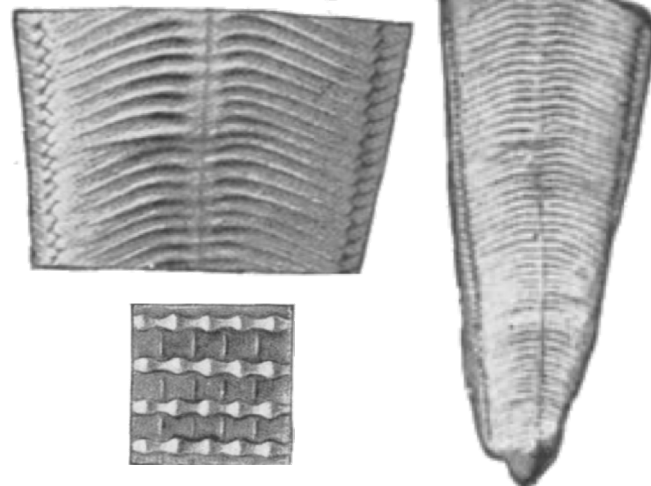
Cladochonus texasensis
Cocke 1966



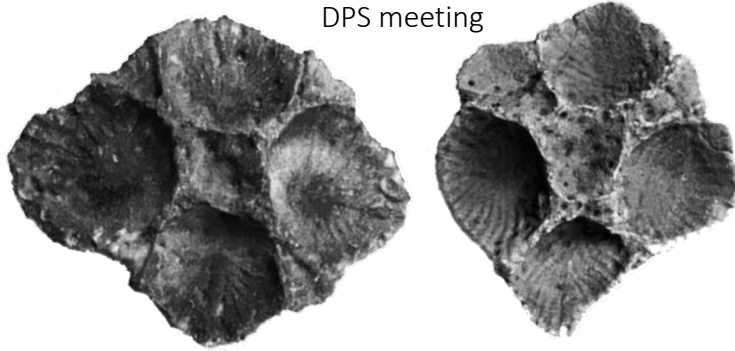
Paraconularia crustula
White 1880



Calloconularia holdenvillae
Girty 1911



Palaeacis aequescens
sp. nov. 2018 (Gzhelian)
DPS meeting



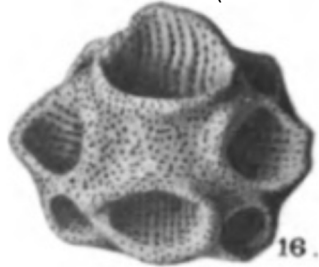
Palaeacis cyclostoma
Etheridge & Nicholson 1878



Palaeacis perpendicularis
sp. nov. 2018 (Gzhelian)
DPS meeting



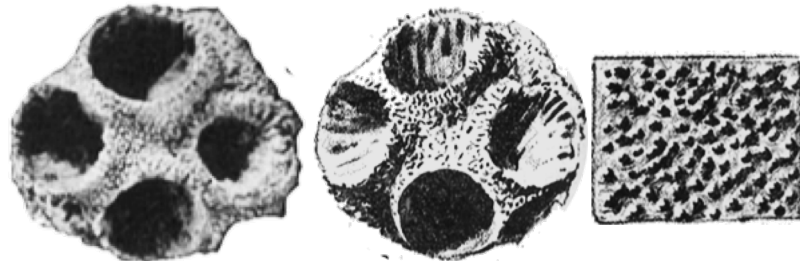
Palaeacis regularis
Gerth 1921 (Permian)



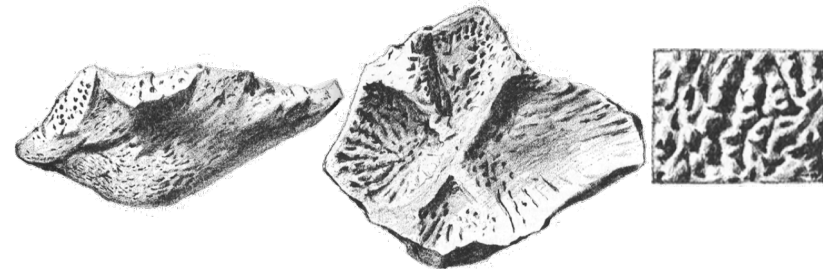
Palaeacis kingi
Jeffords 1955 (Missourian)



Palaeacis testata
Moore & Jeffords 1944



Palaeacis walcotti
Moore & Jeffords 1944



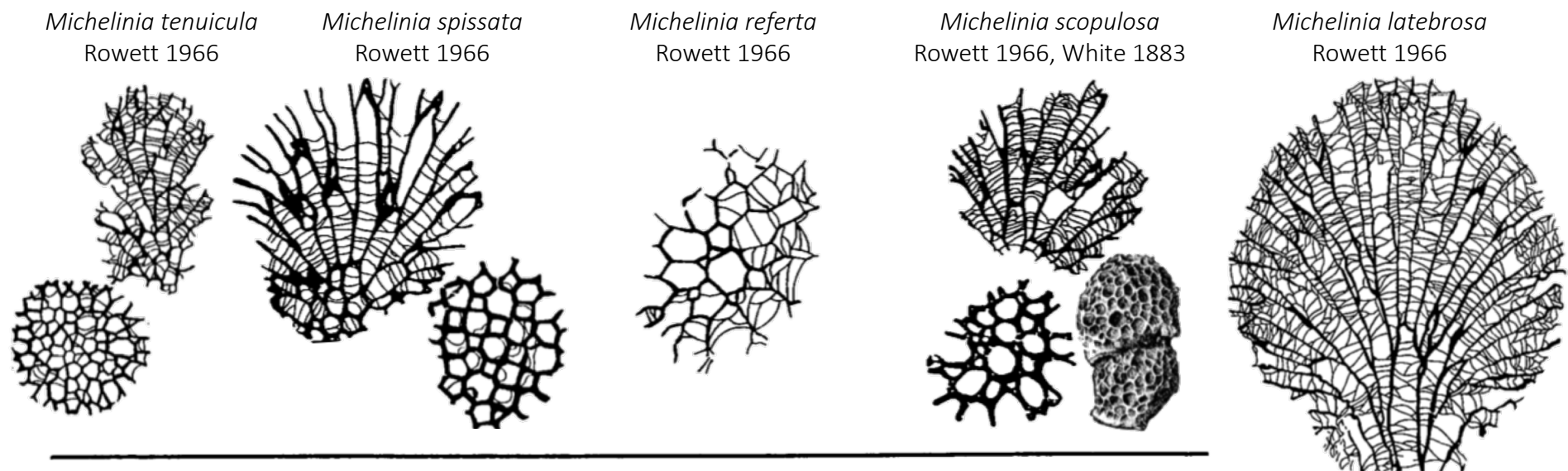


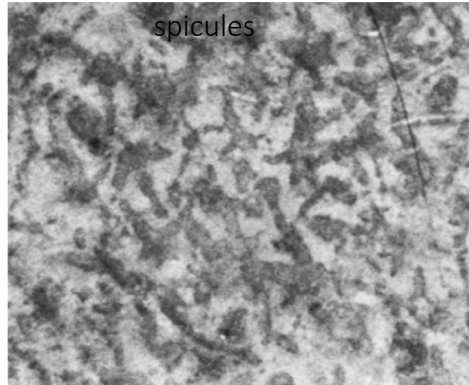
TABLE 1. — MORPHOLOGICAL CHARACTERS IN SPECIES OF *Michelinia*
(measurements in millimeters)

	<i>referta</i>		<i>scopulosa</i>		<i>spissata</i>		<i>tenuicula</i>		<i>latebrosa</i>		<i>cf. meakana</i>	
	MAX	AVG	MAX	AVG	MAX	AVG	MAX	AVG	MAX	AVG	MAX	AVG
Height of corallum	21.0	15.0	35.1	25.0	39.0	30.0	30.0	20.0	63.0	47.0	110.0	85.0
Diameter of corallum	64.0	61.0	41.0	27.0	35.6	27.0	26.1	17.0	56.0	48.0	70.0	57.0
Length of corallites	16.0	12.0	24.0	15.0	26.0	15.0	24.0	14.0	55.0	30.0	—	—
Diameter of corallites (ephebic)	8.0	5.0	3.0	2.5	4.9	3.0	2.2	1.8	5.2	3.5	6.5	3.0
Thickness of corallite walls (ephebic stage)	1.0	0.5	0.8	0.5	0.8	0.7	0.7	0.3	0.7	0.5	1.1	0.5
Width of tabulae	0.5	0.3	0.4	0.3	0.4	0.3	0.3	0.2	0.4	0.3	0.4	0.3
Diameter of mural pores	0.3	0.2	0.3	0.2	0.5	0.2	0.2	0.1	0.2	0.1	0.3	0.2
Number of tabulae per corallite	9	6	31	20	19	12	15	10	54	35	—	—
Number of tabulae per 5 mm	4	3	10	7	4	3	8	6	4	3	7	5
Form ratio (height/diameter)	0.4	—	1.2	—	1.5	—	1.3	—	0.7	—	1.6	—
Ratio of complete tabulae to incomplete tabulae (ephebic)	0.30	—	0.16	—	0.23	—	0.26	—	0.3	—	—	—
Ratio of convex-upward to horizontal or sagging tabulae (ephebic stage)	0.1	—	0.6	—	0.3	—	0.3	—	0.3	—	—	—
Rate of appearance of new corallites per 1 mm height	0.5	—	0.7	—	0.7	—	1.3	—	0.7	—	—	—

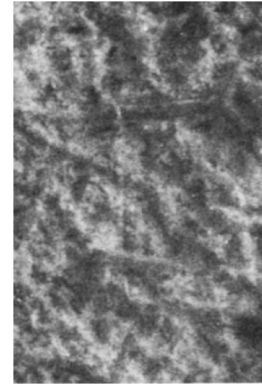
Porifera – Heteractinida, Demospongea



Regispongia contorta
Rigby 2008

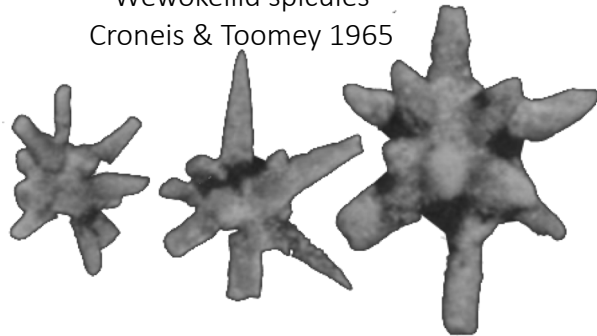


Wewokella solida
Rigby 2008
spicules

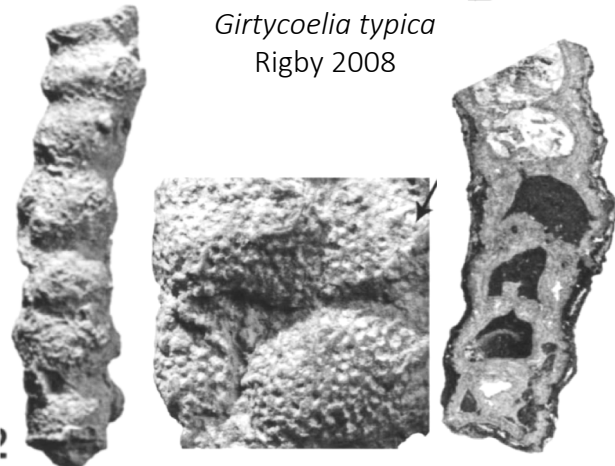


Wewokella solida
Girty 1915

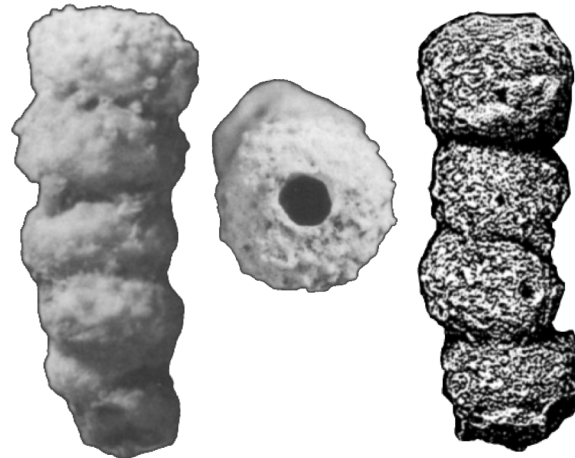
Wewokellid spicules
Croneis & Toomey 1965



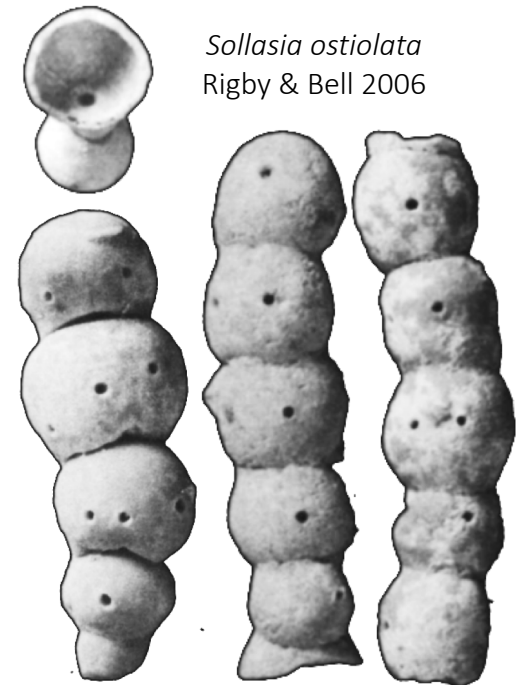
Girtycoelia typica
Rigby 2008



Girtycoelia beedei
Rigby & Bell 2006, Rigby & Mapes 2000

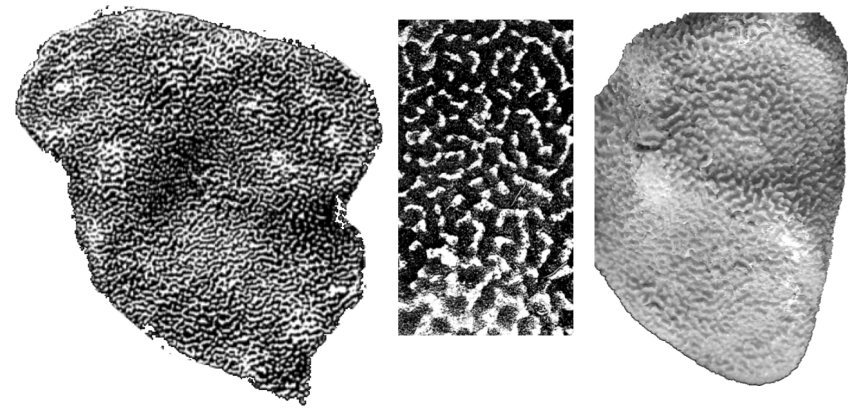


Sollasia ostiolata
Rigby & Bell 2006

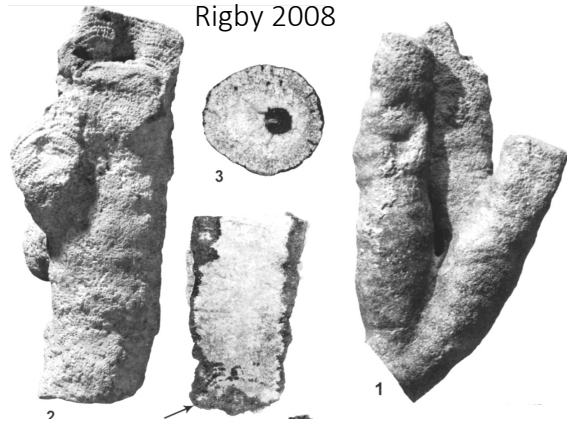


Porifera – Demospongia

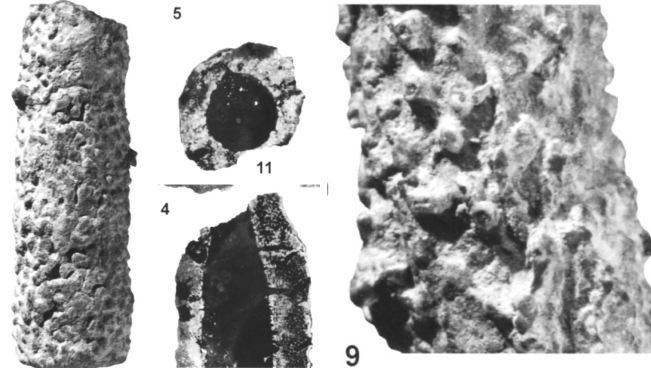
Incrustospongia meandrica
Rigby & Mapes 2000, DPS Jan 2018



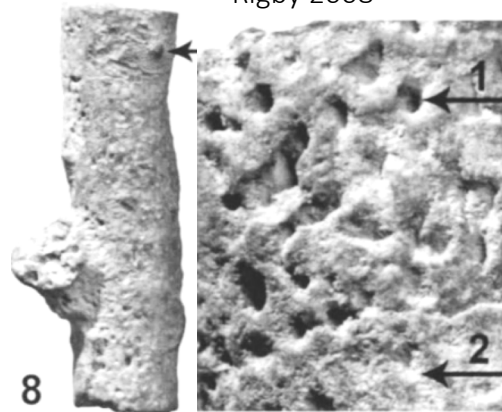
Heliospongia excavata
Rigby 2008



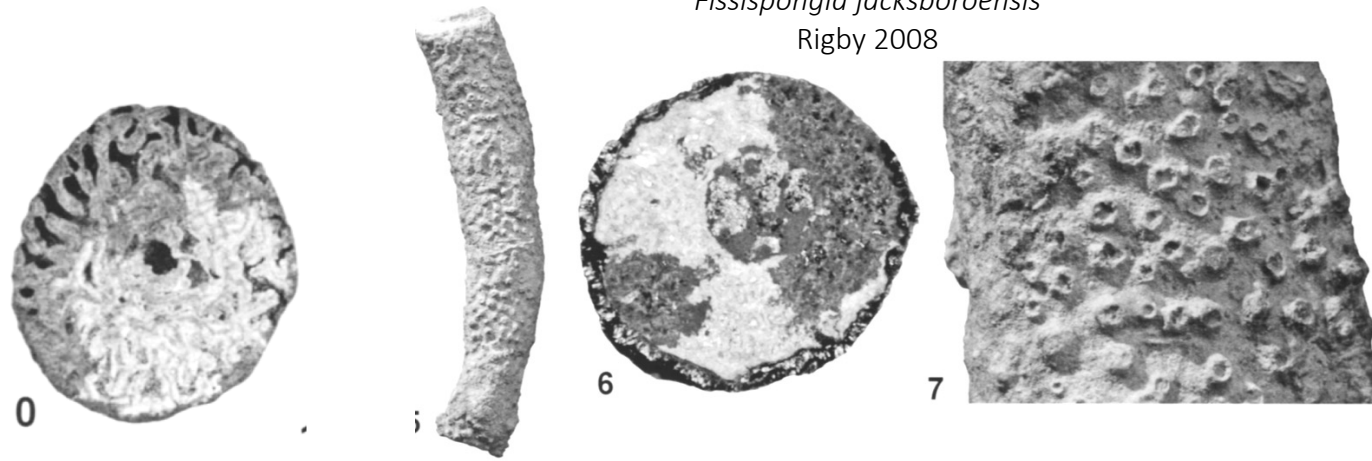
Coelocladia spinosa
Rigby 2008



Maeandrostia kansasensis
Rigby 2008

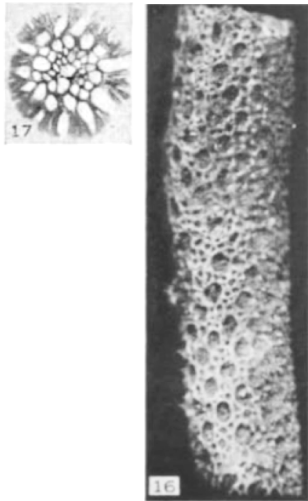


Fissispongia jacksboroensis
Rigby 2008

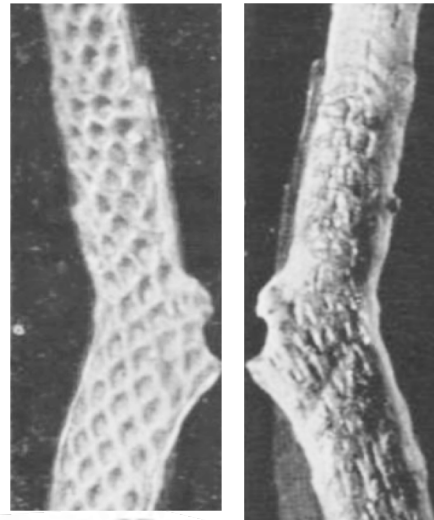


Bryozoa

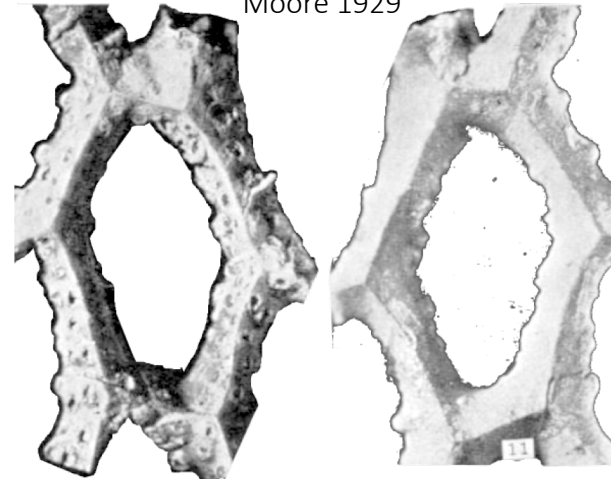
Leioclema hirsutum
Moore 1929



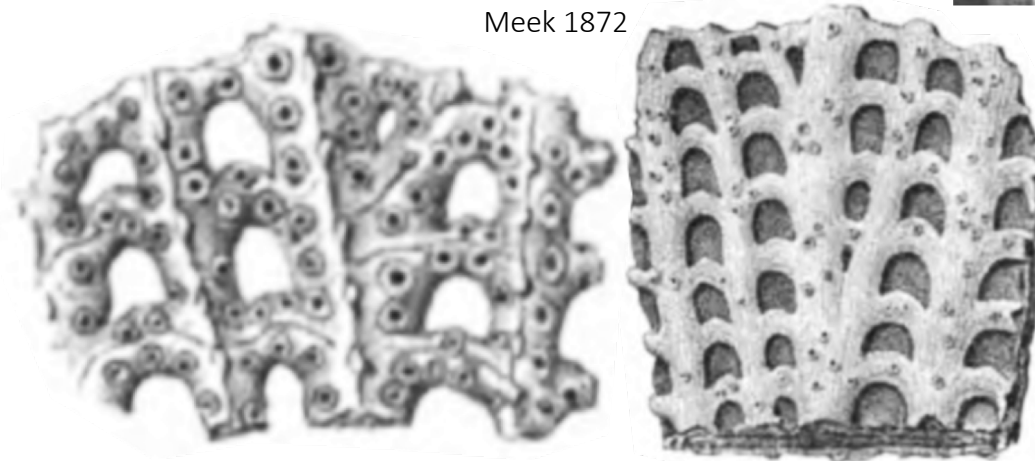
Rhombocladia delicata
Moore 1929



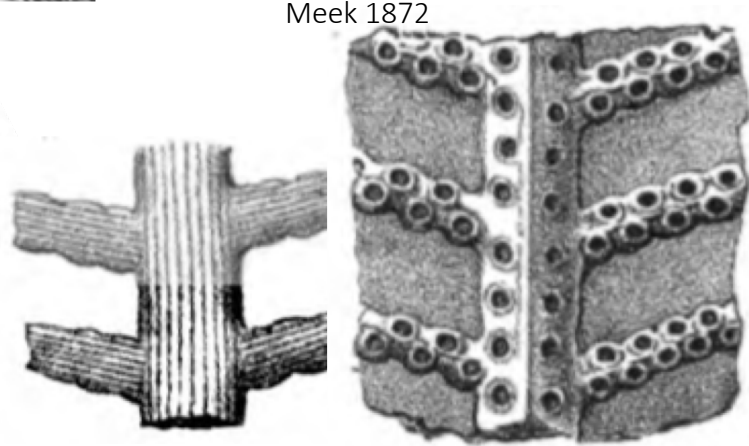
Goniocladia grahamensis
Moore 1929



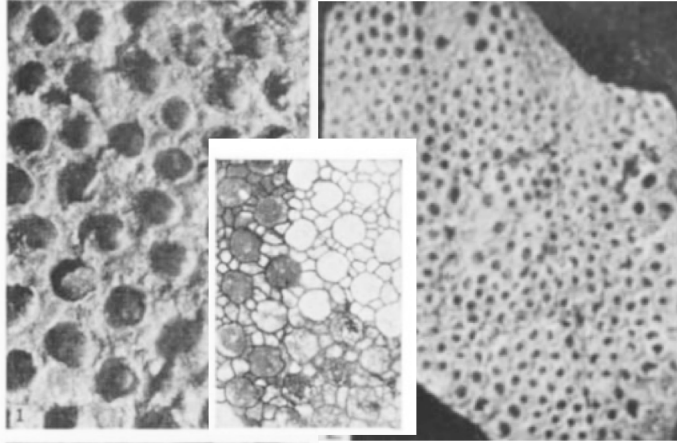
Synocladia biserialis
Meek 1872



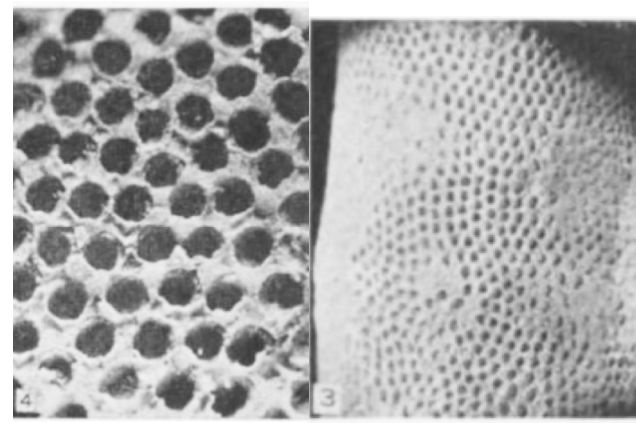
Penniretepora trilineata
Meek 1872



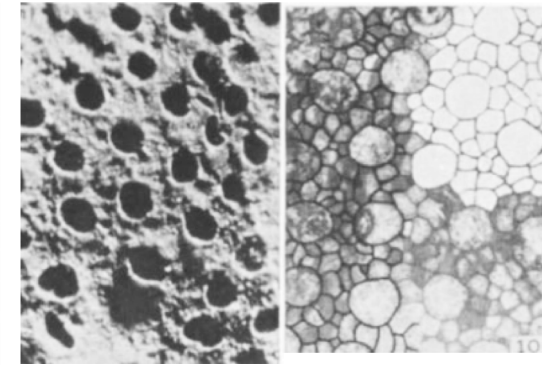
Fistulipora incrustans
Moore 1929



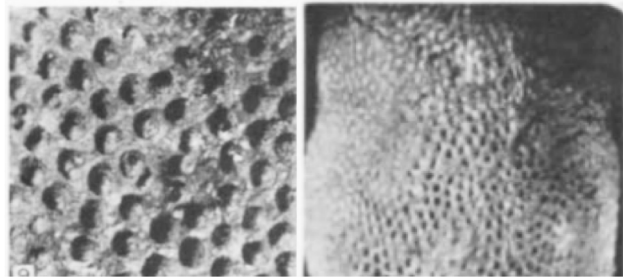
Fistulipora incrustans var. *regularis*
Moore 1929



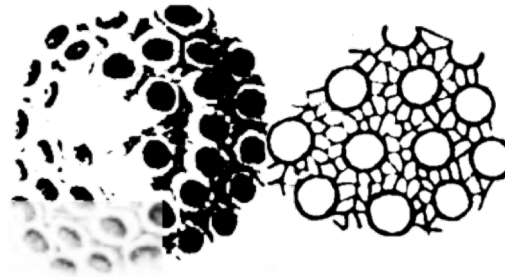
Fistulipora vaccula
Moore 1929



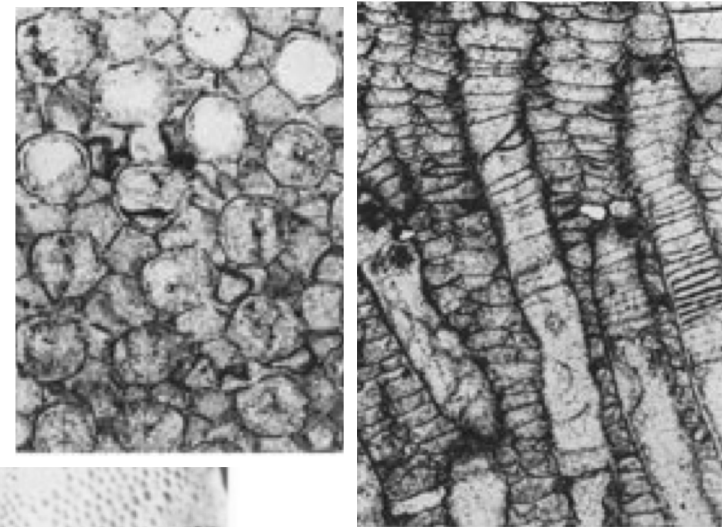
Fistulipora nodulifera var. *maculosa*
Moore 1929



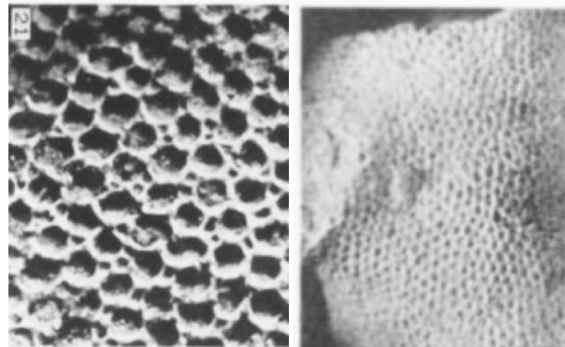
Fistulipora nodulifera
Meek 1872



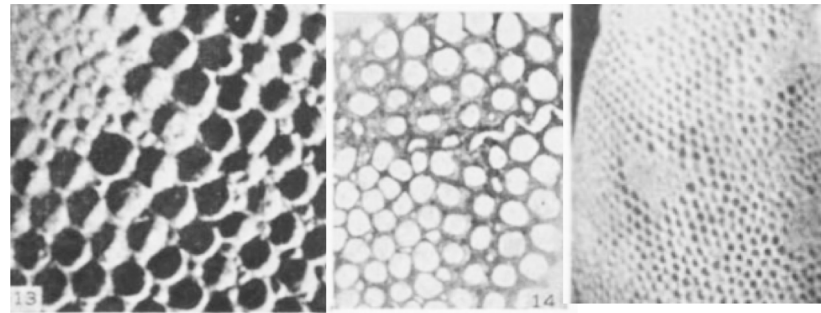
Fistulipora (?) *peculiaris*
Perkins & Perry 1962



Tabulipora plummeri
Moore 1929

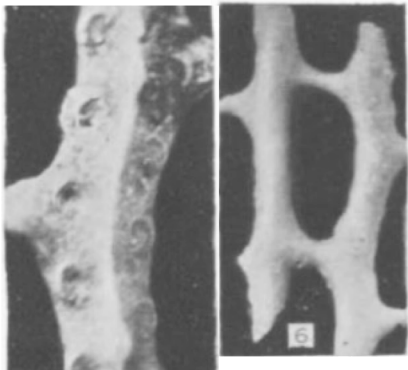


Tabulipora cava
Moore 1929



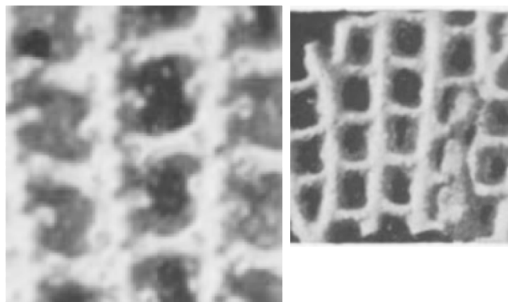
Fenestella placida

Moore 1929



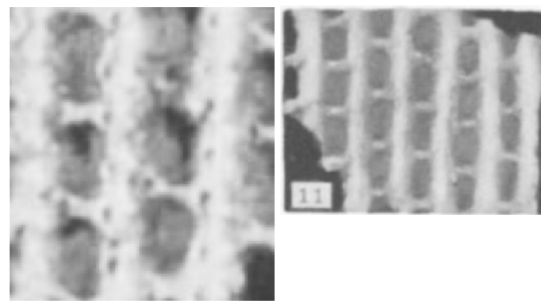
Fenestella pectinis

Moore 1929



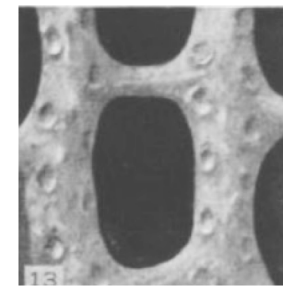
Fenestella plummerae

Moore 1929



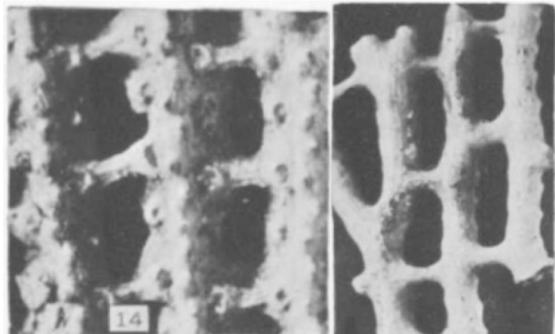
Fenestella modesta

Moore 1929



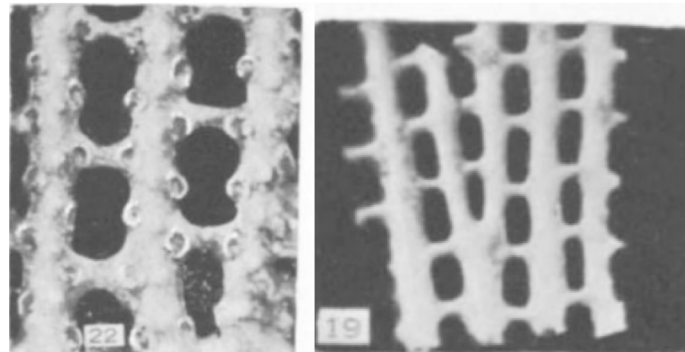
Fenestella spinacristata

Moore 1929



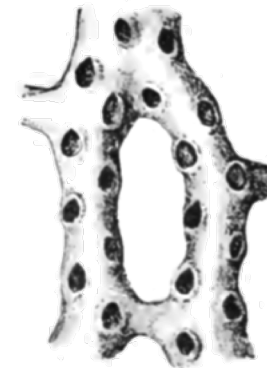
Fenestella mimica var. *texana*

Moore 1929



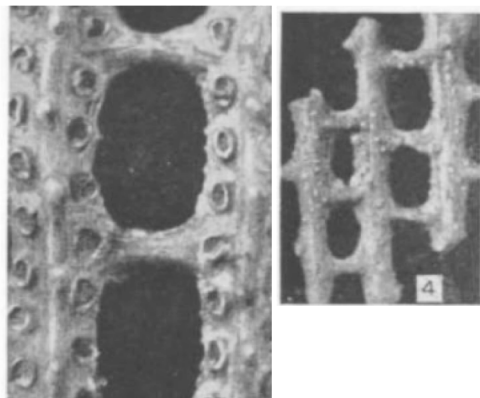
Fenestella ovatipora

Rogers 1900



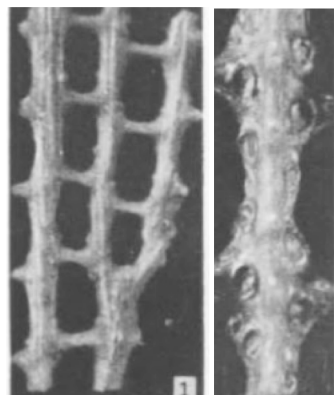
Fenestella spinulifera

Moore 1929



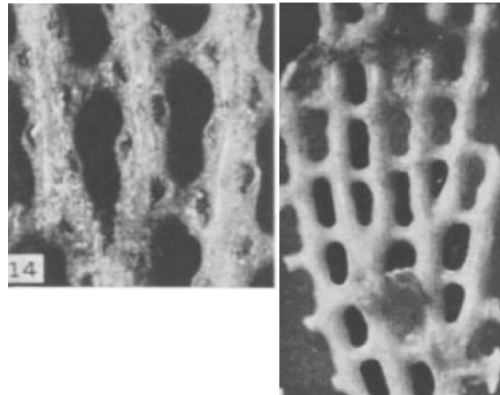
Fenestella spinulifera var. *pustulosa*

Moore 1929



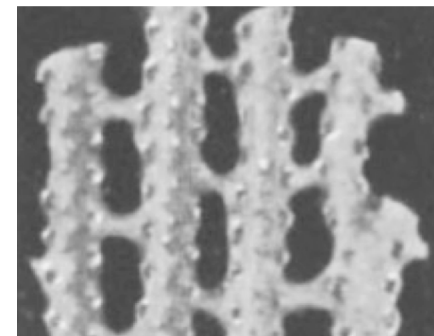
Fenestella gratiosa

Moore 1929

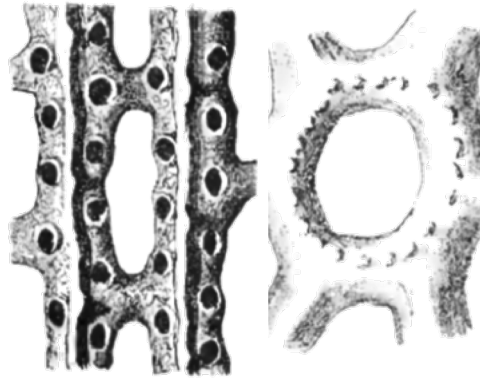


Fenestella binodata

Moore 1929



Fenestella hexagonalis
Rogers 1900



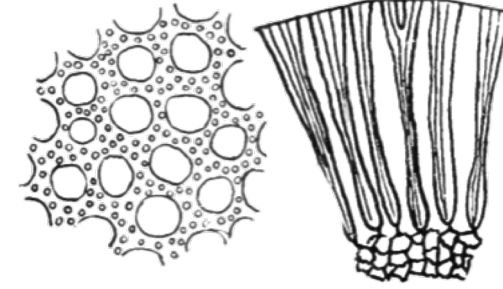
Fenestella dentata
Rogers 1900



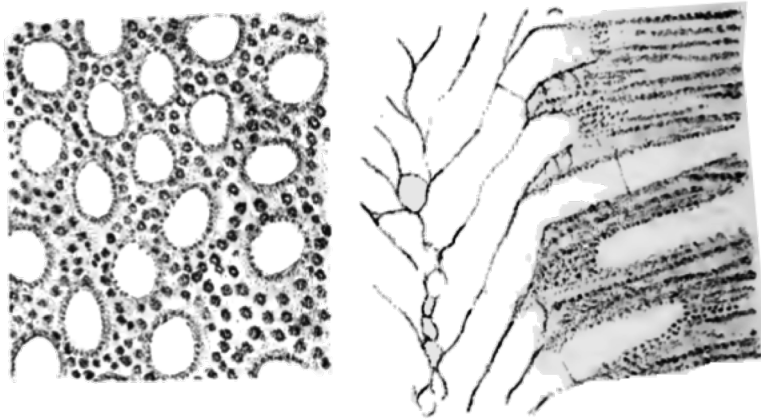
Fenestella kansasensis
Rogers 1900



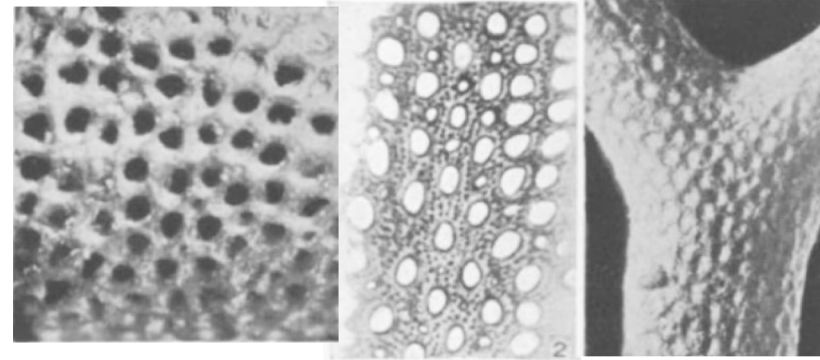
Stenopora spissa
Rogers 1900



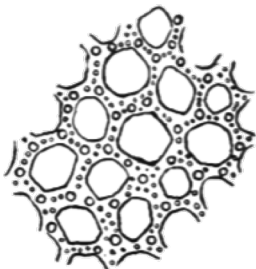
Megacanthopora crassa
Ulrich 1884



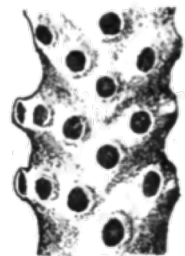
Megacanthopora fallacis
Moore 1929



Stenopora spinulosa
Rogers 1900



Thamniscus tenuiramus
Rogers 1900



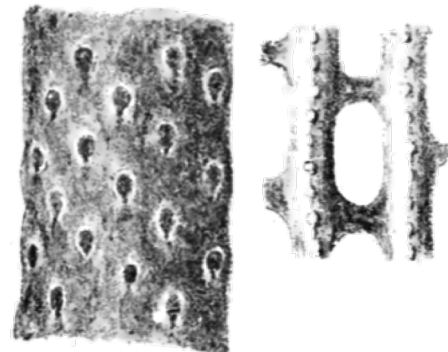
Polypora aspera
Rogers 1900



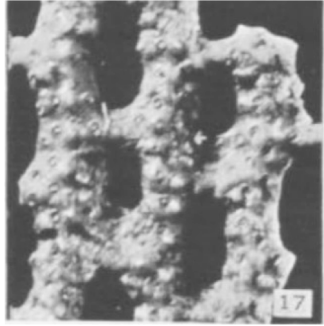
Polypora flexuosa
Rogers 1900



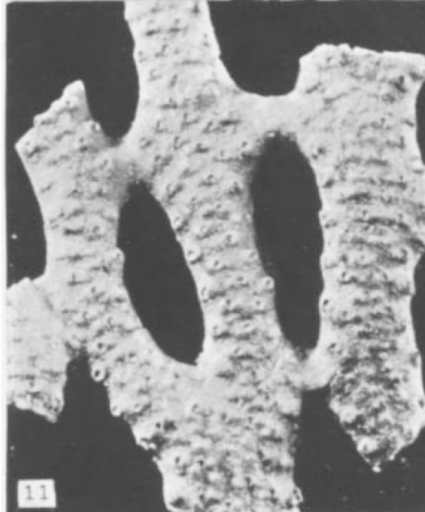
Polypora triangularis
Rogers 1900



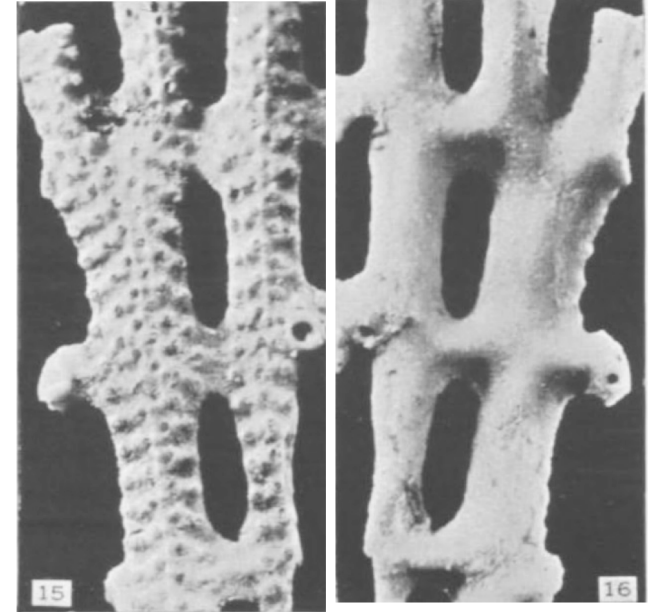
Polypora hexagona
Moore 1929



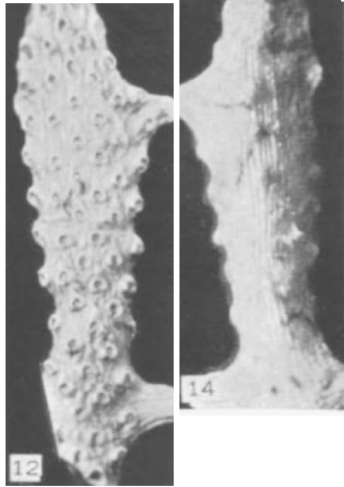
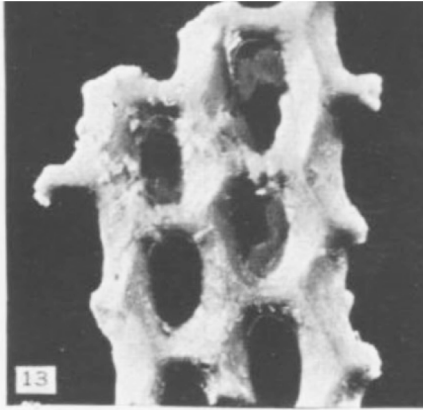
Polypora valida
Moore 1929



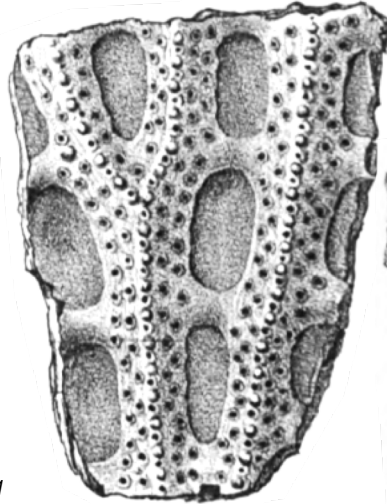
Polypora arata
Moore 1929



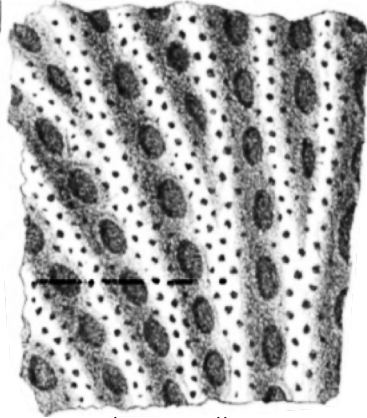
Polypora sigillaria
Moore 1929



Polypora hirsuta
Moore 1929

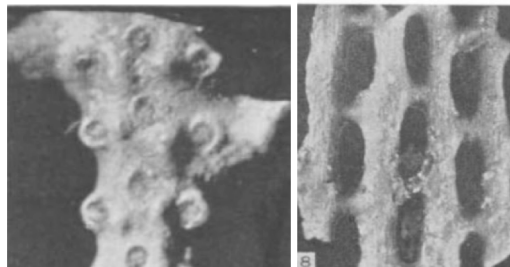
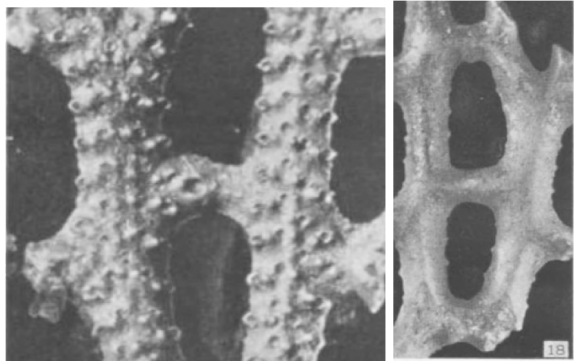
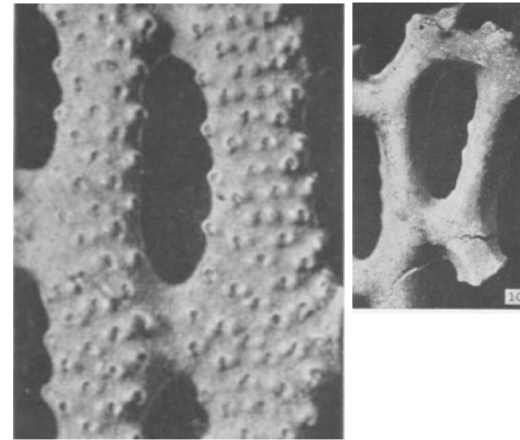


Polypora submarginata
Meek 1872

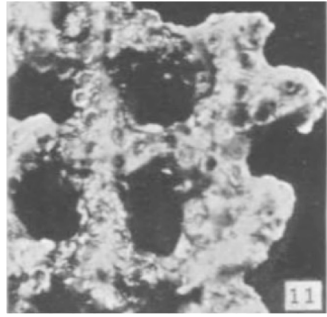


Polypora elliptica
Moore 1929

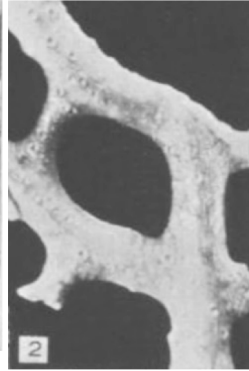
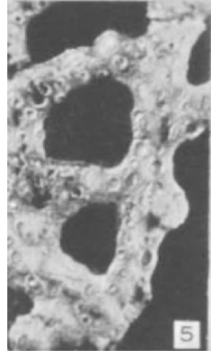
Polypora aestacella
Moore 1929



Septopora robusta
Moore 1929



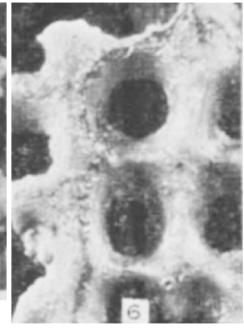
Septopora spinulosa
Moore 1929



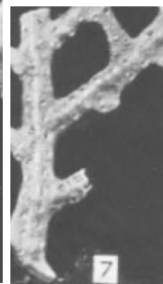
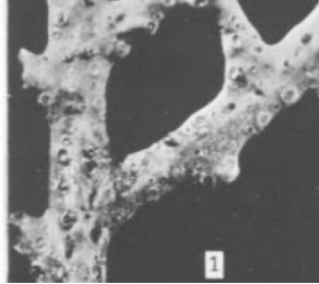
Septopora robusta var. *decora*
Moore 1929



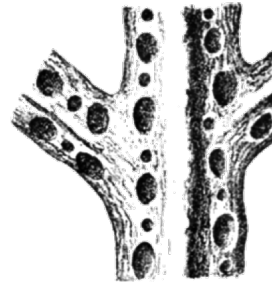
Septopora robusta var. *paucipora*
Moore 1929



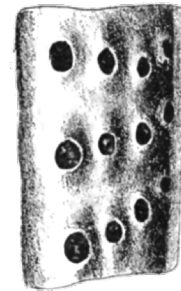
Septopora alternata
Moore 1929



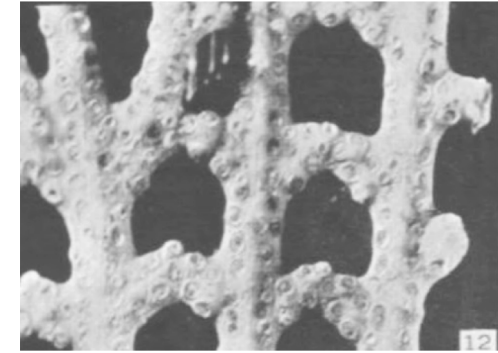
Septopora interporata
Rogers 1900



Cystodictya inequimarginata
Rogers 1900



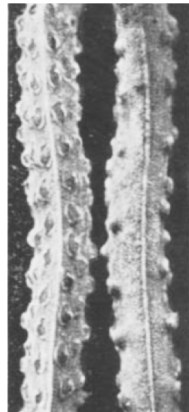
Septopora blanda
Moore 1929



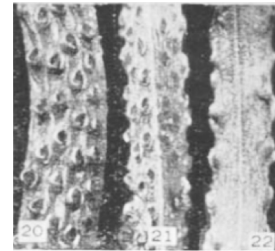
Cystodictya formosa
Moore 1929



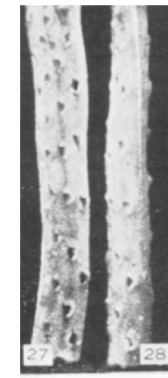
Cystodictya formosa
var. *oculifera* Moore 1929



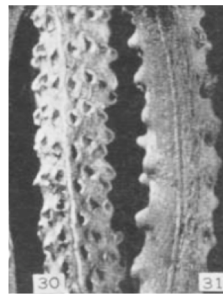
Cystodictya formosa
var. *striata* Moore 1929



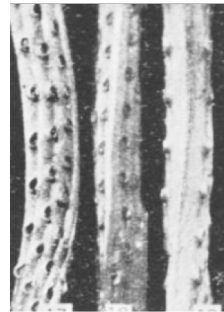
Cystodictya modesta
Moore 1929



Cystodictya formosa
var. *robusta* Moore 1929



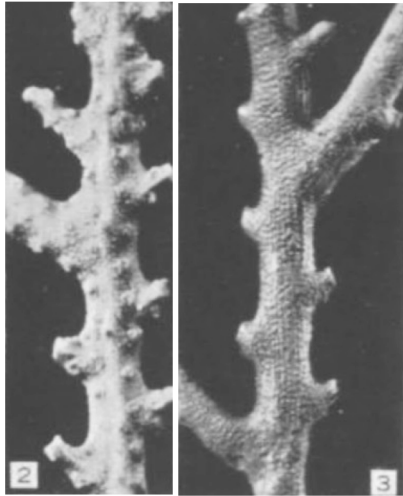
Cystodictya formosa
var. *linearis* Moore 1929



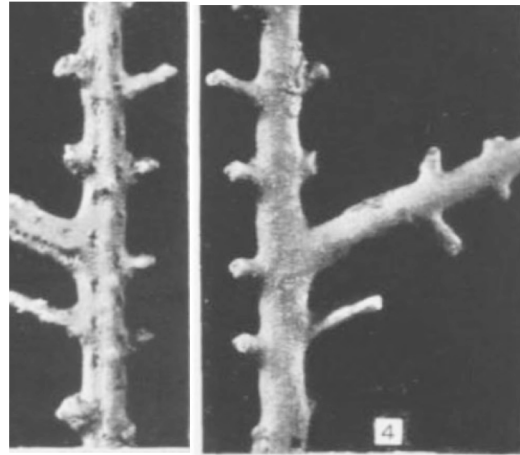
Cystodictya lophodes
Moore 1929



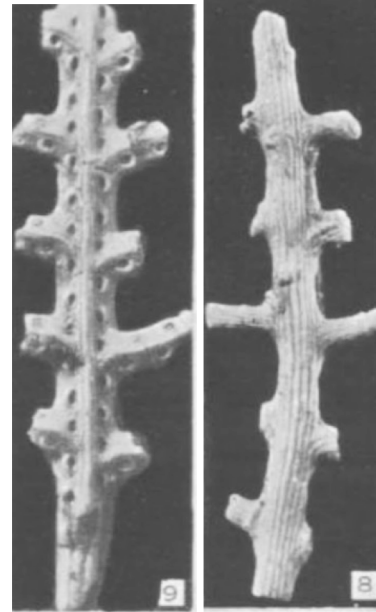
Pinnatopora pustulosa
Moore 1929



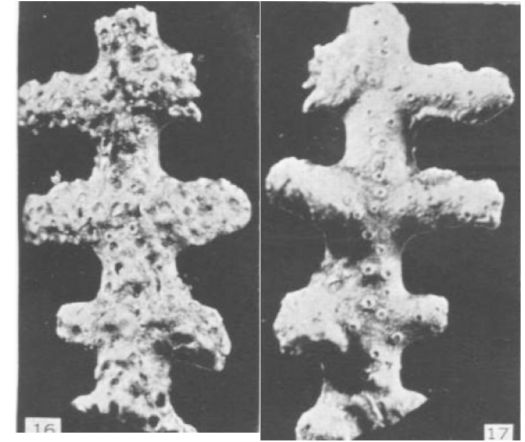
Pinnatopora oculata
Moore 1929



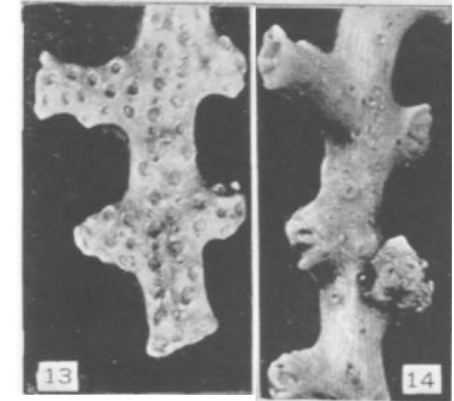
Pinnatopora trilineata var. *texana*
Moore 1929



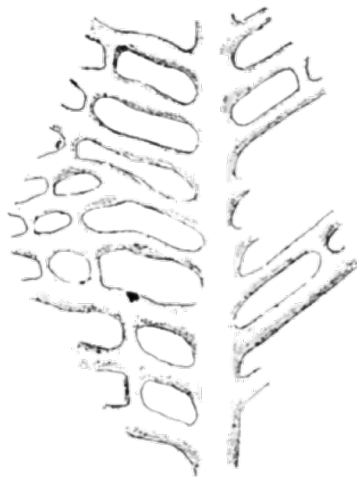
Acanthocladia ciscoensis
var. *irregularis* Moore 1929



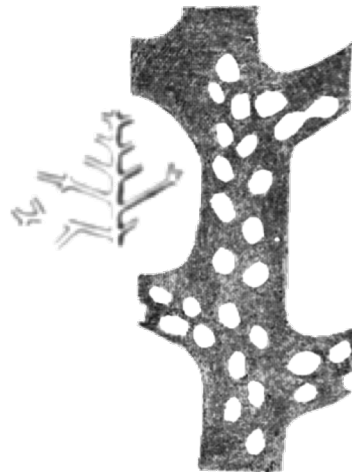
Acanthocladia ciscoensis
Moore 1929



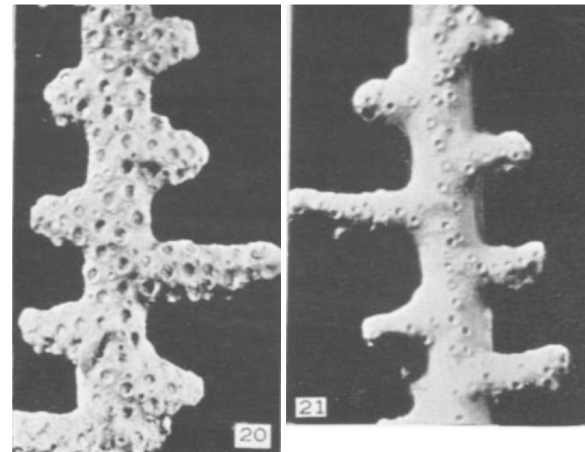
Pinnatopora ptiloporoidea
Rogers 1900



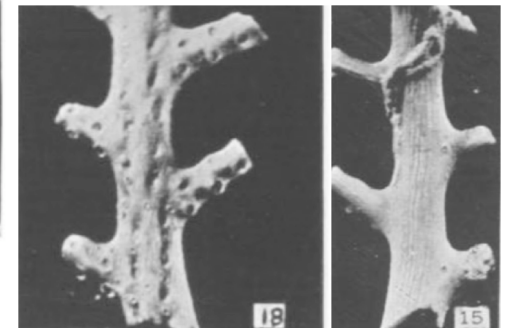
Pinnatopora multipora
Rogers 1900



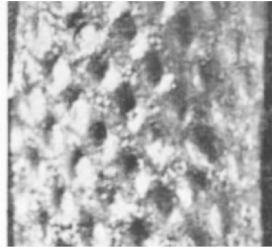
Acanthocladia ciscoensis var. *granulosa*
Moore 1929



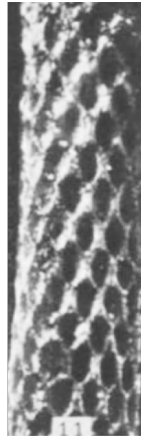
Acanthocladia simplex
Moore 1929



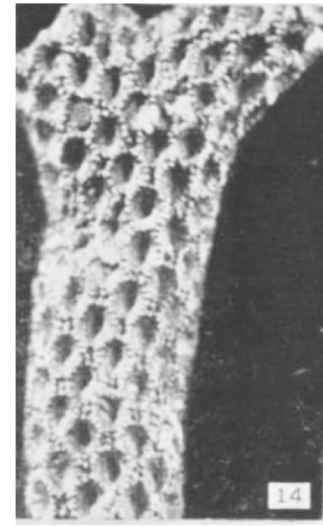
Rhombopora corticata
Moore 1929



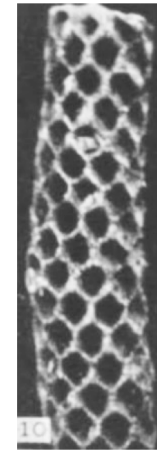
Rhombopora muralis
Moore 1929



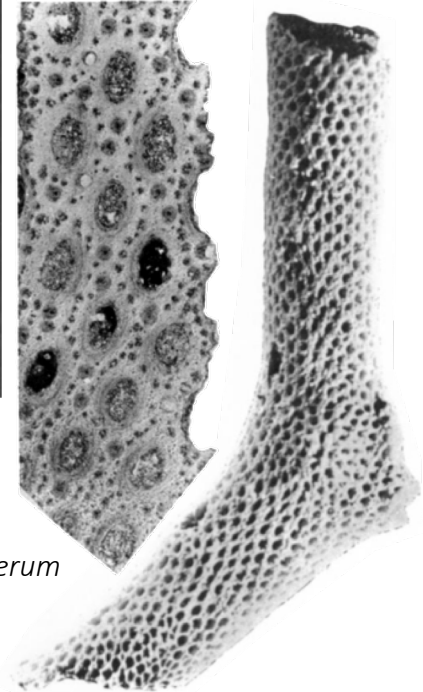
Rhombopora constans
Moore 1929



Rhombopora favata
Moore 1929



Rhombopora lepidodendroides
Huffman 1970



Rhombopora munda
Moore 1929

Rhombopora constans
var. *ampla* Moore 1929

Rhombopora communis
Moore 1929

Rhombopora pilula
Moore 1929

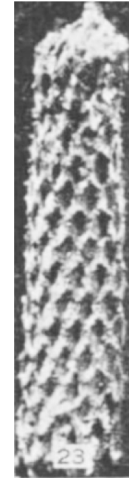
Rhabdomeson bellum
var. *minus* Moore 1929



Rhabdomeson simulatum
Moore 1929



Rhabdomeson simulatum
var. *debile* Moore 1929



Rhabdomeson procerum
Moore 1929



Rhabdomeson tenerum
Moore 1929

Rhabdomeson filum
Moore 1929



Rhabdomeson bellum
Moore 1929

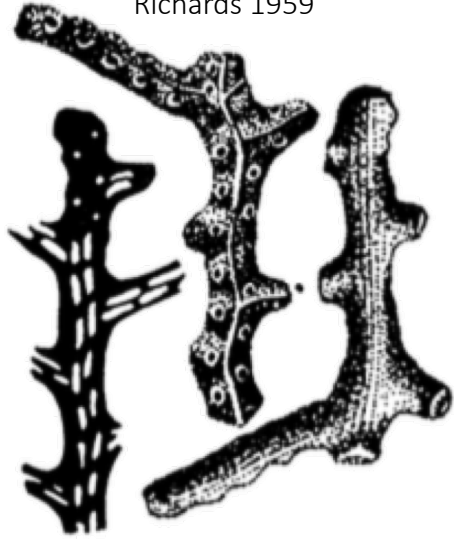
Rhabdomeson deorum
Moore 1929

Rhabdomeson simulatum
var. *spissum* Moore 1929

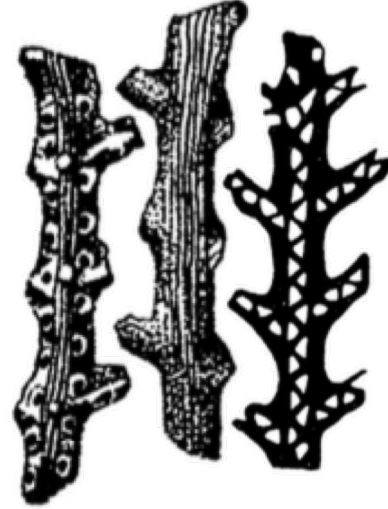
Rhabdomeson simulatum
var. *gracile* Moore 1929



Penniretepora curvula
Richards 1959



Penniretepora nodolineata
Richards 1959



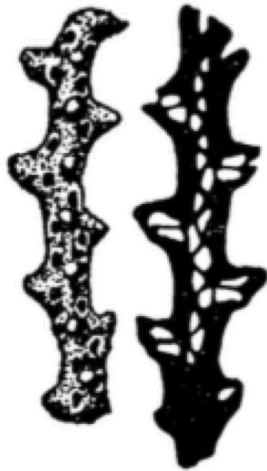
Penniretepora nodocarinata
Richards 1959



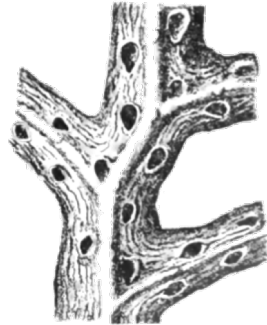
Penniretepora flexistriata
Richards 1959



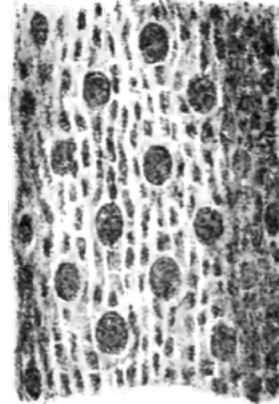
Penniretepora pustulosa
Richards 1959



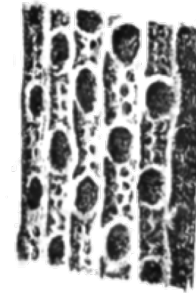
Penniretepora pyriformipora
Rogers 1900



Streblotrypa striatopora
Rogers 1900



Streblotrypa ulrichi
Rogers 1900



Penniretepora flexuosa
Wolak 2015 GSA

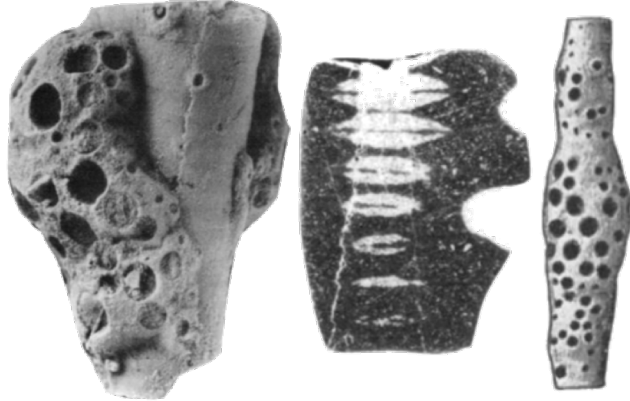


Penniretepora paucanoda
Per Richards 1959

As *P. nodolineata*, but with
about half as many apertures
per unit length

Ichnofossils, Cornulitida, Microconchida

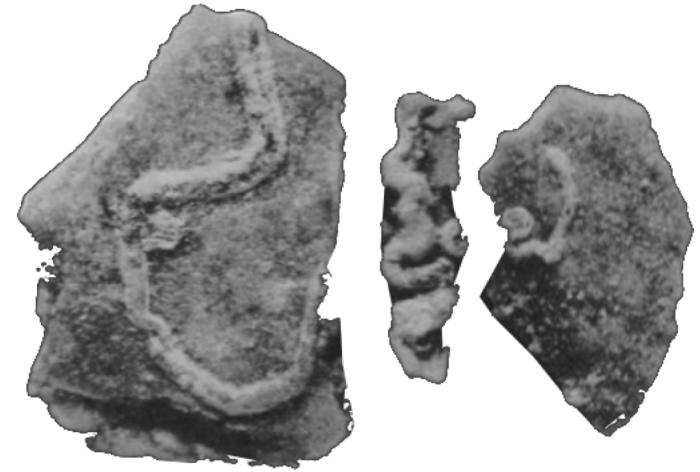
Tremichnus cysticus (Ichnospecies)
Gall-like Sponge? borings on crinoid stem
Brett 1985, Girty 1911



Serpulopsis insita – (small tubes)
(reclassified as a microconchid? Vinn Mutvei 2009)
Girty 1911



Calcivertella adherans – (small tubes)
Croneis & Toomey 1965



Rogerella (Ichnogenus)
Barnacle borings on *Eridmatus texanus*
DPS Jan 2018



Rogerella (Ichnogenus)
Barnacle borings on echinoid
Saint-Seine 1951



Tolypamma vagans
Rhumbler 1895, Cushman 1910

