

Pictorial Guide to Upper Pennsylvanian Fossils

By Ben Neuman, in conjunction with the Dallas Paleontological Society

Section 2 - Mollusca

Mollusca - Bivalvia

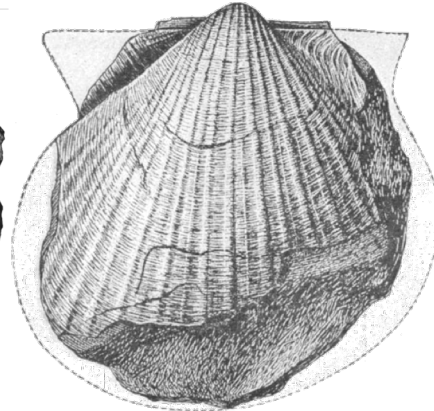
Pernopecten prosseri
Newell 1937

Deltopecten texanus
Penn. Atlas

Deltopecten texanus
Girty 1911

Palaeolima retifera
Hoare 1961

Pernopecten ohioensis
Newell 1937



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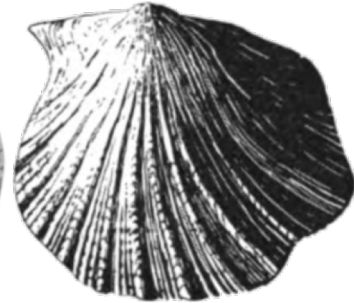
Aviculopecten occidentalis
Newell 1937



Streblochondria sculptilis
Newell 1937



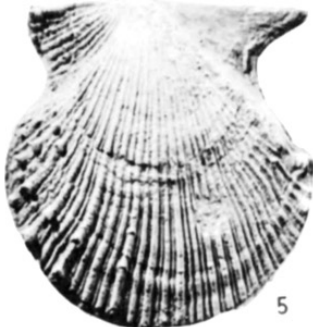
Pseudomonotis hawni
Kues 2004, Girty 1900



Pseudomonotis equestriata
Newell 1937, Girty 1900



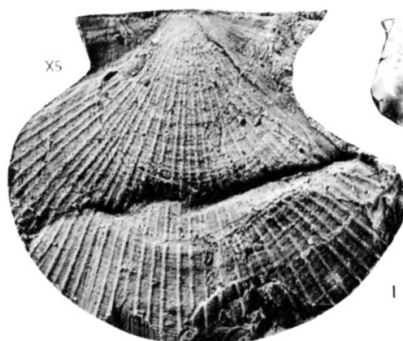
Aviculopecten moorei
Newell 1937



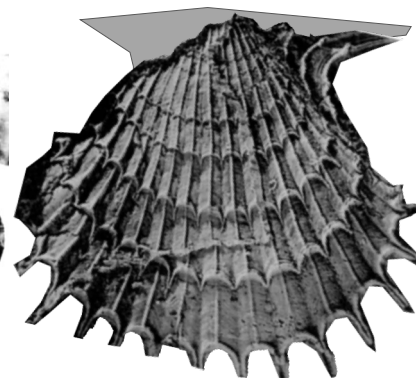
Aviculopecten arcticulcatus
Newell 1937



Euchondria neglecta
Newell 1937

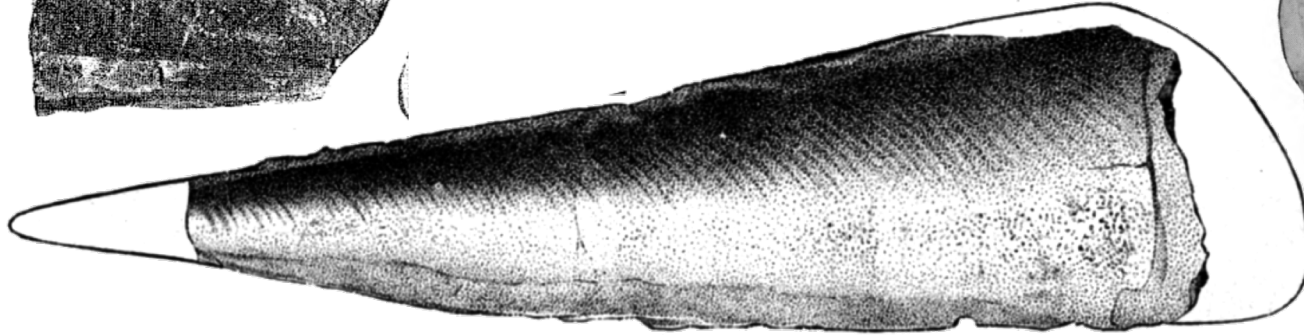


Acanthopecten carboniferus
(Stevens) from Newell 1937

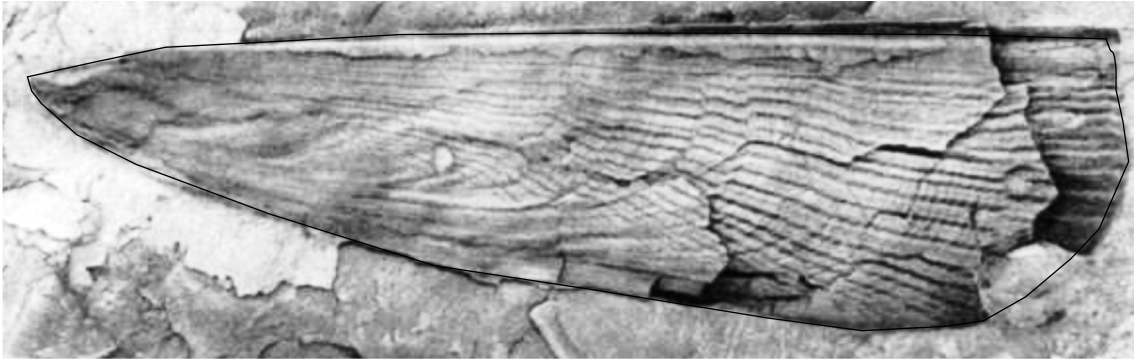




Aviculopinna peracuta
Kues 1995, White 1883



Sulcatopinna missouriensis
Busanus & Hoare 1991

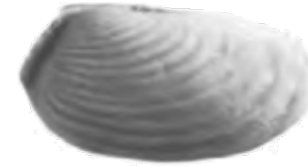


Meekopinna americana
Kues 2004, Girty 1911



Wilkingia terminale
Hoare 1961

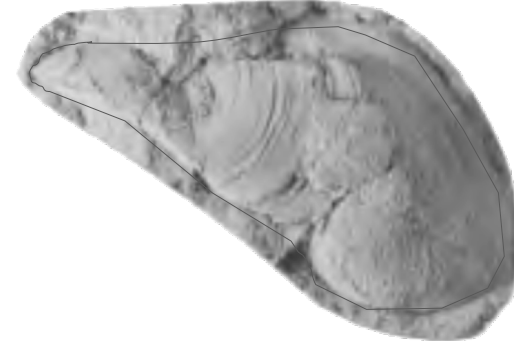
Wilkingia terminale
Hoare & Sturgeon 1979



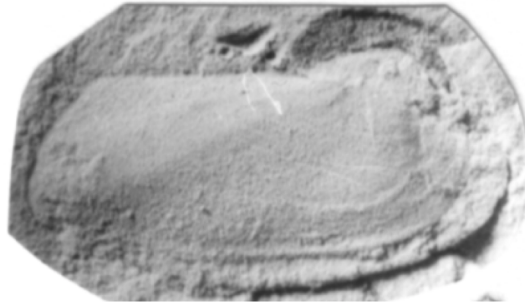
Allorisma costatum
Keyes 1894



Sedgwickia topekaensis
Kues 2004b



Permophorus aff. subcostatus
Kues 2004



Leptodesma longa
Sayre 1930



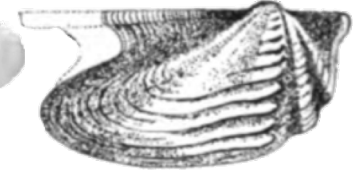
Leptodesma welleri
Kues 2004



Leptodesma welleri
Sayre 1930



Leptodesma sulcata
Girty 1900



Leptodesma parva
Geinitz 1866



Leptodesma longa
Meek 1872



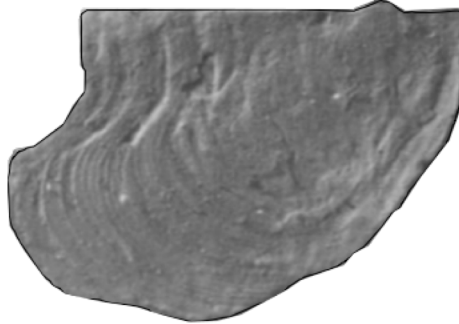
Parallelodon tenuistriatus
Morningstar 1922



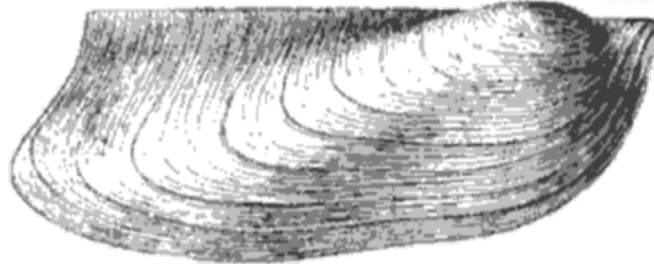
Leptodesma ohioense
Hoare & Sturgeon 1979



Leptodesma sp.
Quiroz-Barroso 1998



Parallelodon obsoletus
Keyes 1894



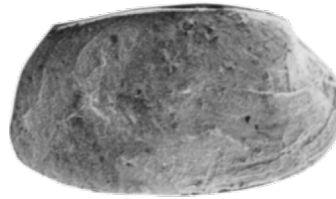
Myalinella aff. meeki
Kues 2004



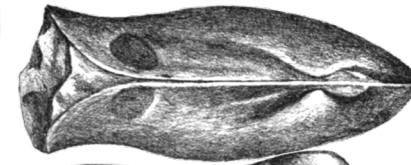
Parallelodon carbonarius
Hoare & Sturgeon 1979



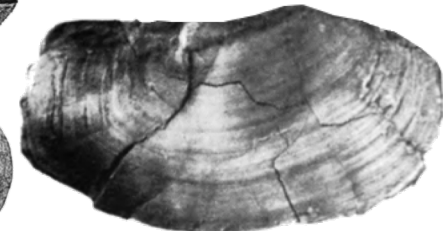
Permophorus aff. oblongus
Kues 2004



Chaenomya leavenworthensis
Girty 1900



Chaenomya leavenworthensis
Hoare 1961



Permophorus tropidophorus
Meek 1875



Astartella vera
Keyes 1894



Astartella compacta
Hoare 1961



Astartella concentrica Penn. Atlas



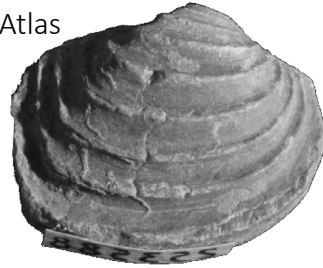
Astartella concentrica Hoare 1961



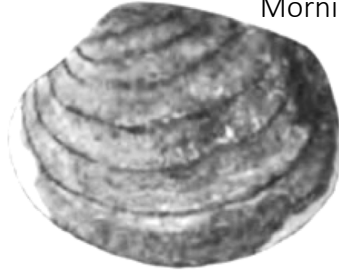
Astartella compacta
Hoare & Sturgeon 1979



Astartella varica
Penn. Atlas



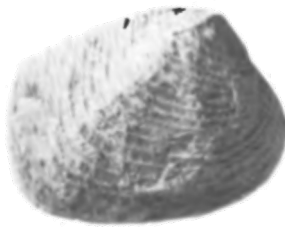
Astartella varica
Morningstar 1922



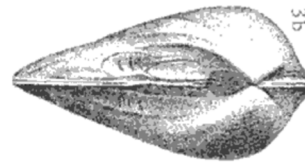
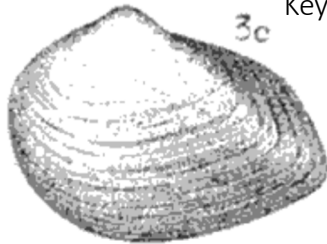
Astartella kentuckyensis
Morse 1931



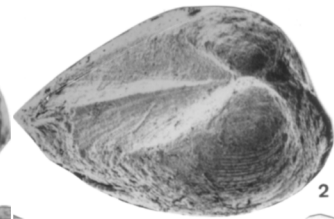
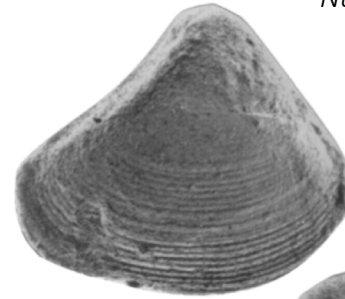
Astartella newberryi
Hoare & Sturgeon 1979



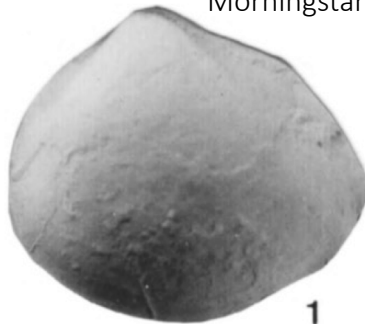
Schizodus wheeleri
Keyes 1894



Nuculavus arcuata
Kues 2004



Schizodus aff. S. alpinus
Morningstar 1922



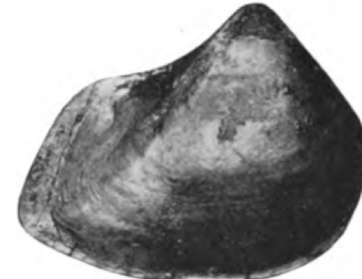
Schizodus alpinus
Girty 1911



Schizodus affinis
Girty 1911



Schizodus cuneatus
Morningstar 1922

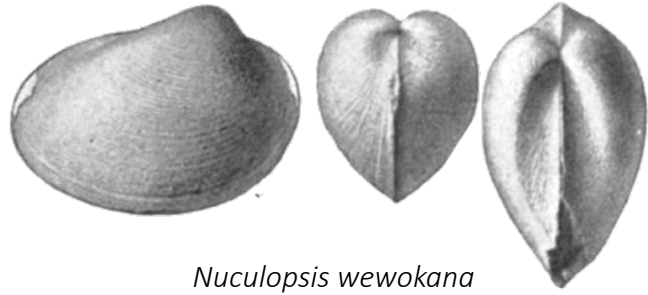


Schizodus curtus
Girty 1913



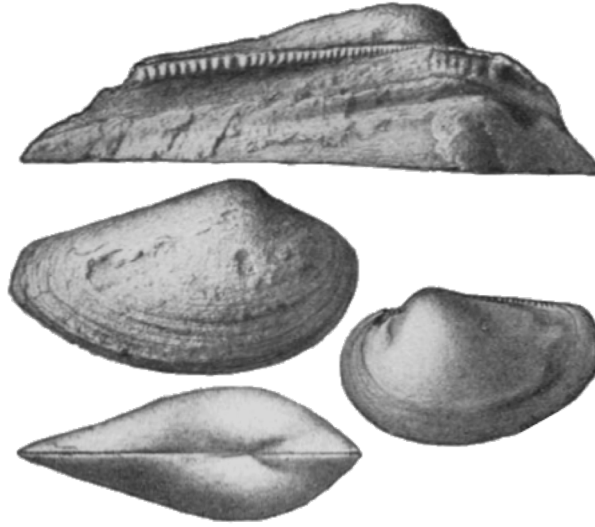
Economolopsis anodontoides

Girty 1911



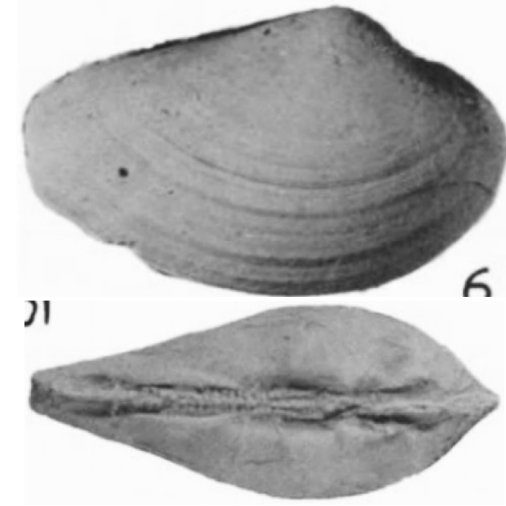
Anthraconeilo taffiana

Girty 1911



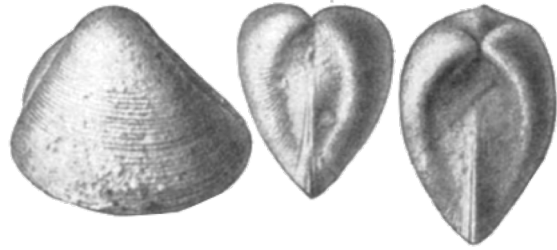
Palaeoneilo oweni

Murphy 1966



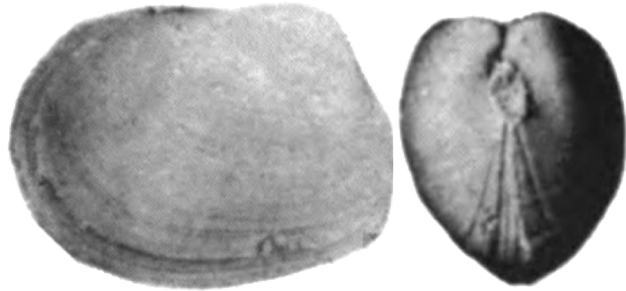
Nuculopsis wewokana

Girty 1911



Clinopistha radiata

Hoare 1961



Cardiomorpha missouriensis

Hoare 1961



Nuculopsis beyrichi

Girty 1915



Nuculopsis girtyi

Girty 1911

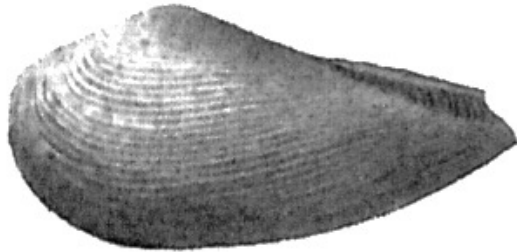


Nuculopsis girtyi

Hoare 1961



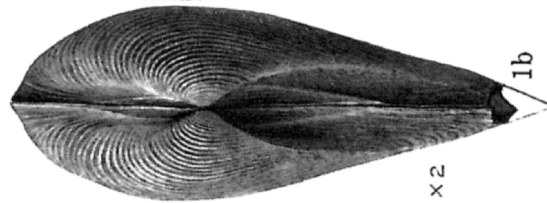
Polidevcia arata
Girty 1915



Solemya radiata
Anelli 2002



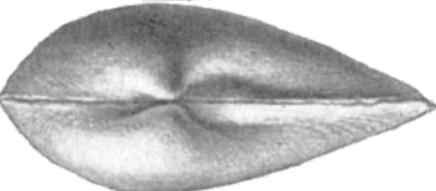
Solemya radiata
Girty 1900



Polidevcia bellistriata
Girty 1911



Polidevcia attenuata
Girty 1911



Paleyoldia glabra
Girty 1911



Edmondia ovata
Hoare & Sturgeon 1979



Edmondia ovata
Girty 1911



Edmondia gibbosa
Girty 1911



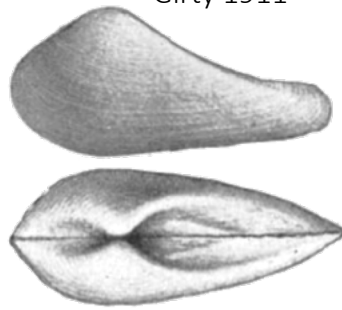
Edmondia nebrascensis
Geinitz 1866



Edmondia aspinwallensis
Hoare 1961



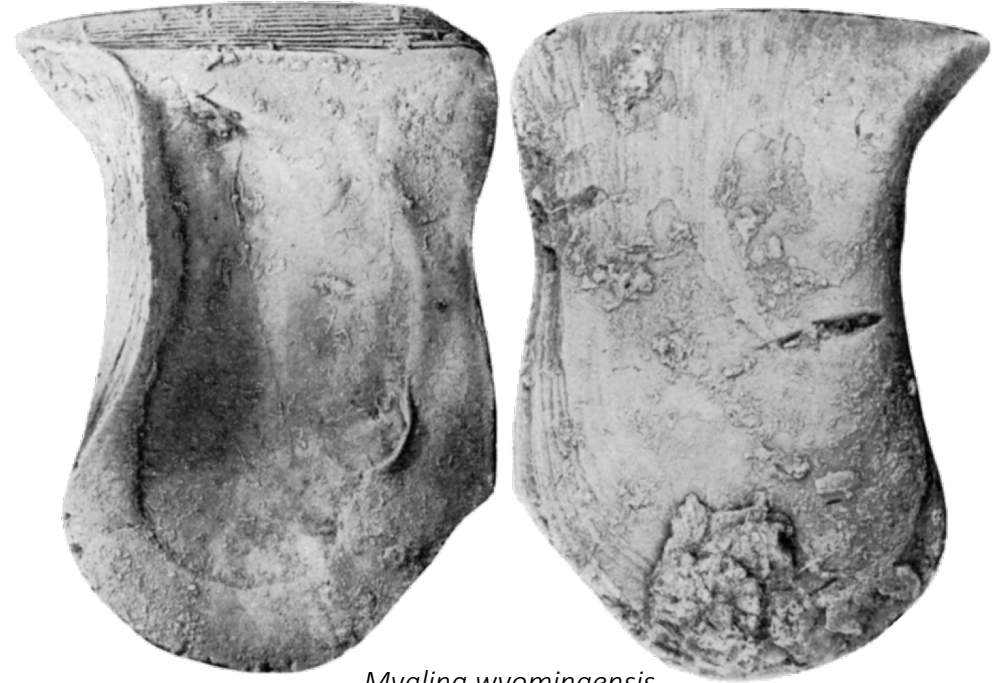
Cypricardina carbonaria
Morningstar 1922



Promytilus swallowi
Newell 1942



Orthomyalina subquadrata
Newell 1942



Septimyalina perattenuata
Newell 1942



Myalina wyomingensis
Newell 1942



Mollusca - Gastropoda

Orthonychia parva
Kues & Batten 2001



Donaldina robusta
Sturgeon 1964



Donaldina stevensana
Kues & Batten 2001 (L)
Sturgeon 1964 (R)



Meekospira peracuta
Sturgeon 1964



Girtyspira minuta
Kues & Batten 2001



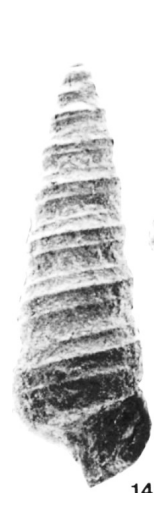
Donaldina robusta
Anderson 1990



Goniasma lasallensis
Kues & Batten 2001



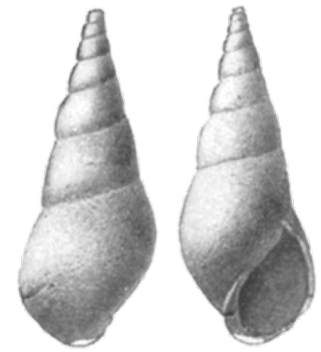
Orthonema salteri
Kues & Batten 2001



Royalella swallowiana
Anderson 1990



Meekospira peracuta
Girty 1911



Orthonema subtaeniatum
Kues & Batten 2001



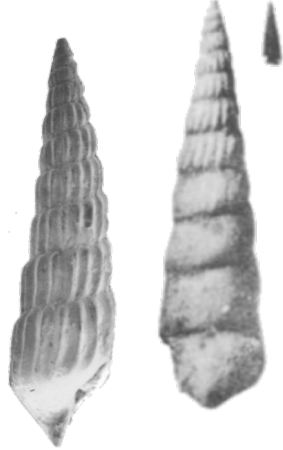
Cyclozyga attenuata
Hoare & Sturgeon 1978



Pseudozygopleura scitula
Knight 1930



Pseudozygopleura semicostata
Knight 1930



Pseudozygopleura sinuosior
Knight 1930



Pseudozygopleura schucherti
Knight 1930



Pseudozygopleura multicostata
Hoare & Sturgeon 1985



Pseudozygopleura gradatus
Hoare & Sturgeon 1981

Pseudozygopleura kellettae
Knight 1930



Pseudozygopleura tenuivirga
Knight 1930



Pseudozygopleura macra
Knight 1930



Pseudozygopleura mutabilis
Kues 2004



Pseudozygopleura subulatus
Hoare & Sturgeon 1981



Eucochlis perminuta
Knight 1933



Pseudozygopleura pandus
Hoare & Sturgeon 1981



Pseudozygopleura cirrita
Hoare & Sturgeon 1985



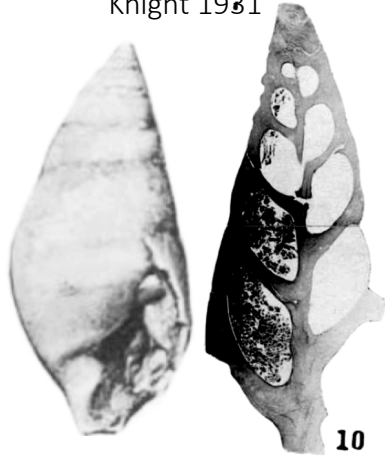
Leptozygma venustus
Hoare & Sturgeon 1981



Hyphantozyga fenestrata
Kues & Batten 2001



Soleniscus regularis
Knight 1931



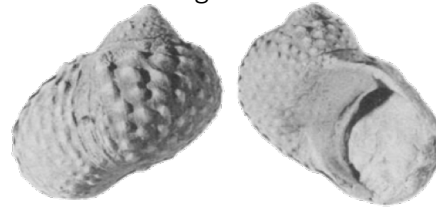
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Soleniscus typicus
Knight 1931



R

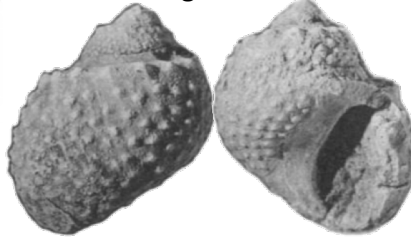
Trachydoma nodosum
Knight 1933



Trachydoma sayrei
Knight 1933



Trachydoma whitei
Knight 1933



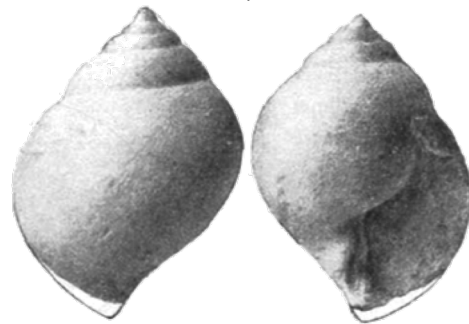
Jedria meeki
Knight 1933



Soleniscus primigenius
Knight 1931



Soleniscus primigenius
Girty 1911



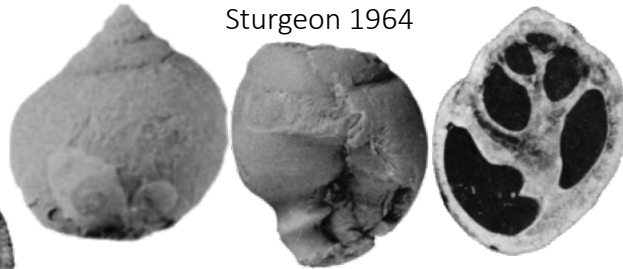
Strobeus paludinaeformis
Girty 1911, Knight 1931



Strobeus paludinaeformis
Sturgeon 1964



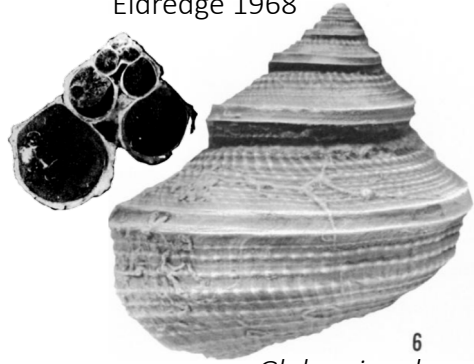
Strobeus brevis
Sturgeon 1964



Strobeus brevis
Girty 1911



Glabrocingulum wannense
Eldredge 1968



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Glabrocingulum grayvillense
Girty 1911



Glabrocingulum grayvillense
Eldredge 1968

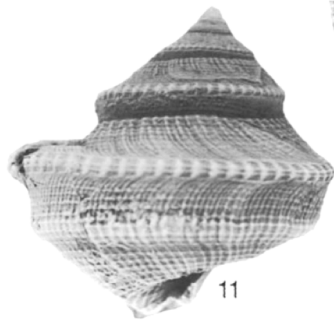


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Ananias talpaensis
Kues & Batten 2001



Worthenia parvula
Hoare 1997

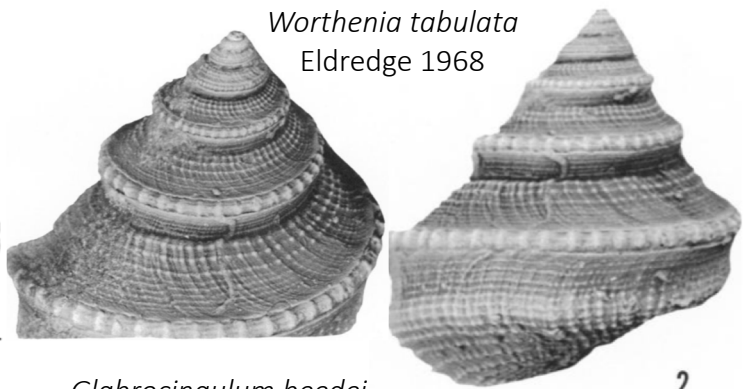


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Pleurotomaria granulostriata
Meek & Worthen 1873

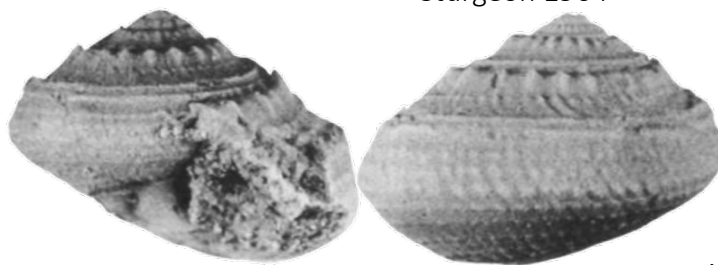


Worthenia tabulata
Eldredge 1968

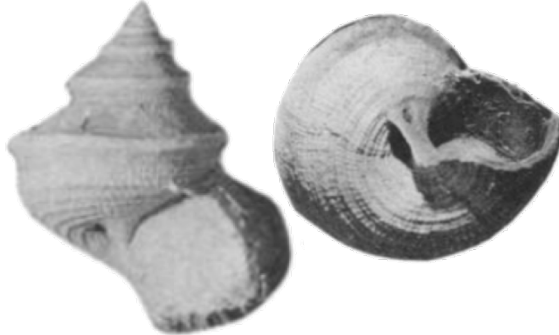


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Glabrocingulum beedei
Sturgeon 1964



Ananias welleri
Newell 1935

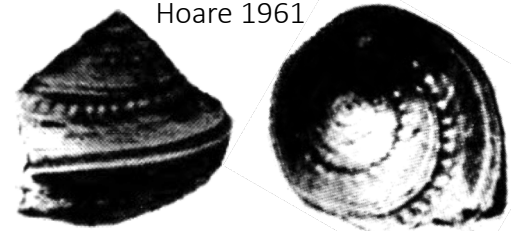


Ananias tularosaensis
Kues 2004

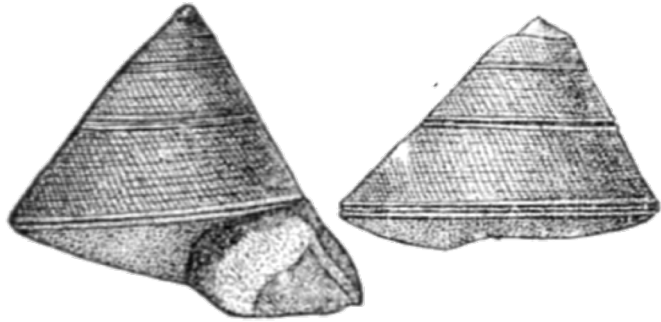


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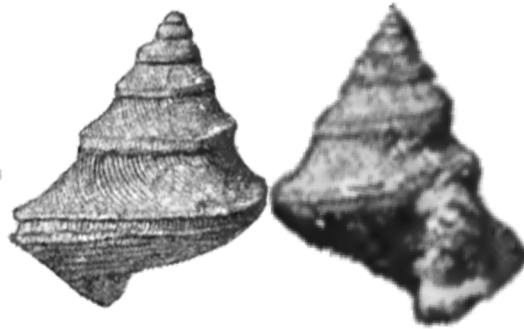
Ananias nodocostatus
Hoare 1961



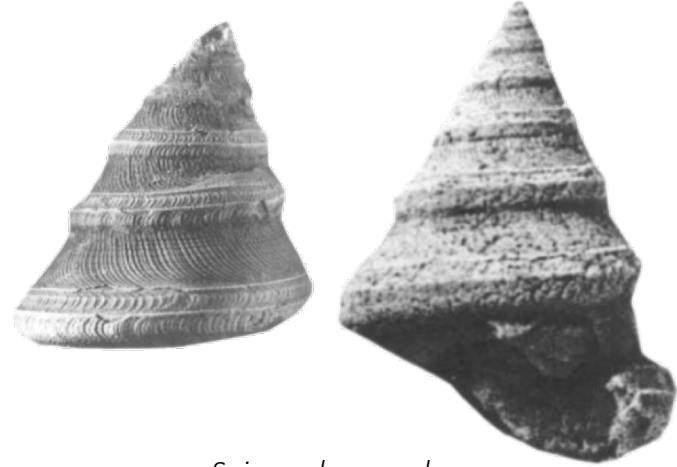
Euconospira turbiniformis
White 1883



Euconospira hermosana
Girty 1934



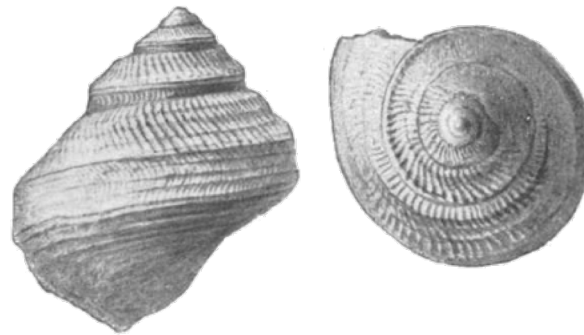
Spiroscala georgiannae
Kues & Batten 2001



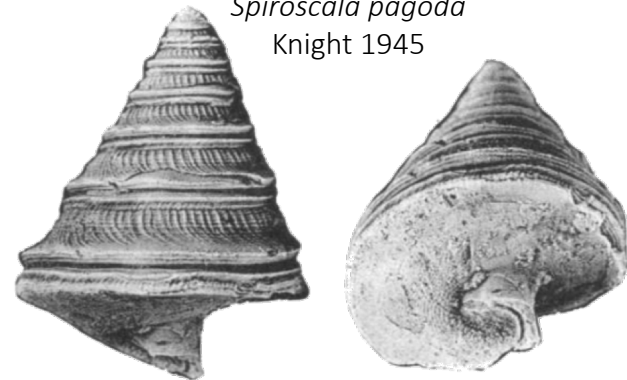
Euconospira turbiniformis
Sturgeon 1964



Phymatopleura brazoensis
Girty 1911



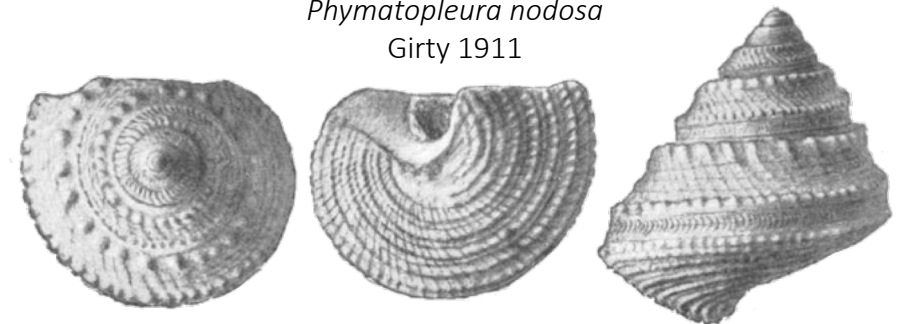
Spiroscala pagoda
Knight 1945



Phymatopleura brazoensis
Mudge 1962



Phymatopleura nodosa
Girty 1911



Gossetina spironema
Kues 2001 intact specimen for
comparison to *G. nodosa*



Gossetina nodosa
Hoare 1997



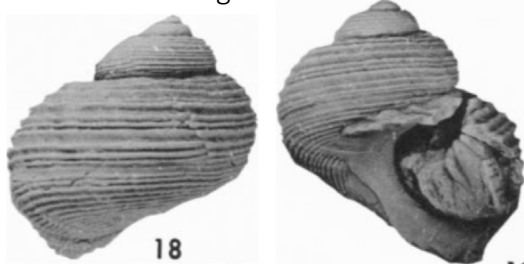
Glyptomaria scitula
Sturgeon 1964b



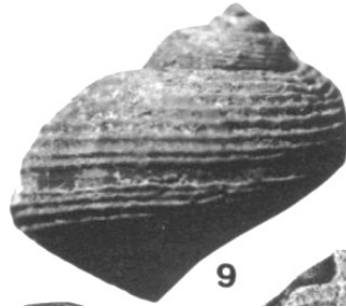
Phymatopleura nodosa
Sturgeon 1964



Shansiella carbonaria
Sturgeon 1964



Shansiella beckwithana
Kues & Batten 2001



Shansiella broadheadi
Hoare 1961



Hypselentoma inornata
Meek 1872



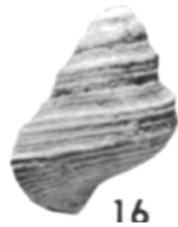
Yunnania subsinuata
Knight 1933



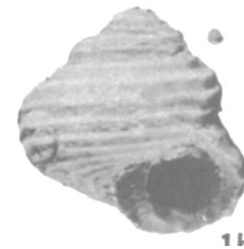
Yunnania termieri
Knight 1933



Abylea minuta
Sturgeon 1964



Rhabdotocochlis rugata
Knight 1933



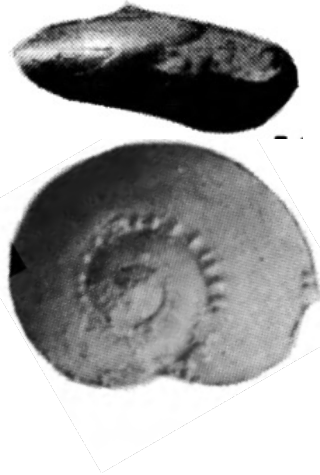
Pleurotomaria tropidophora
Ulrich 1897



Treospira discoidalis
Newell 1935



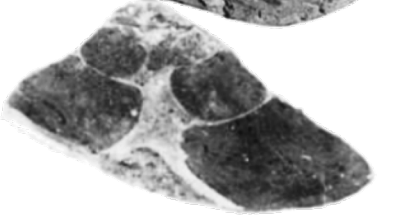
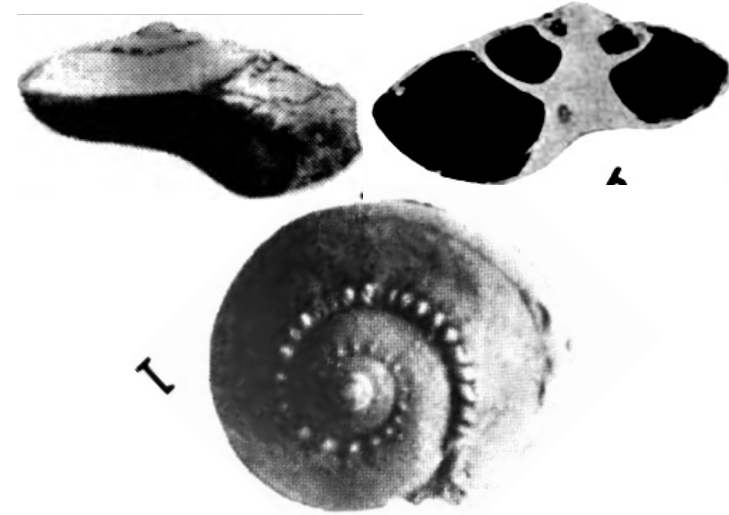
Treospira minima
Hoare 1961



Treospira illinoisensis
Sturgeon 1964



Treospira illinoisensis
Hoare 1961



Euomphalus plummeri
Kues & Batten 2001



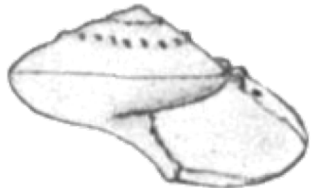
Ampiscapha catilloides
Kues & Batten 2001



Amphiscapha subrugosa
Knight 1934



Treospira depressa
Girty 1911



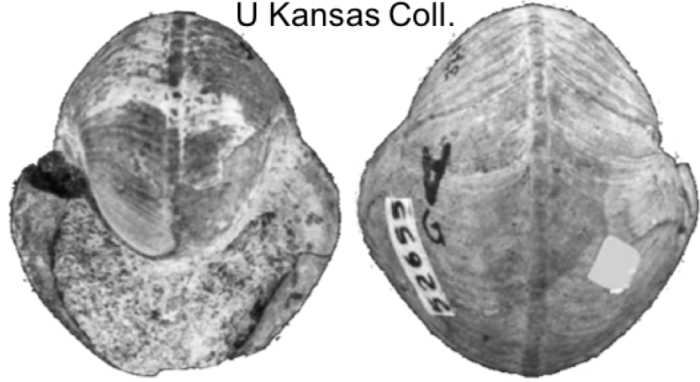
Anomphalus umbilicatus
Hoare 1961



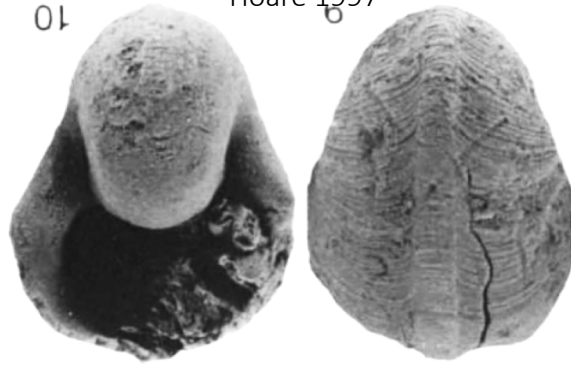
Convex Ac vs.
Concave As edge

Mollusca – Bellerophontida

Bellerophon graphicus
U Kansas Coll.



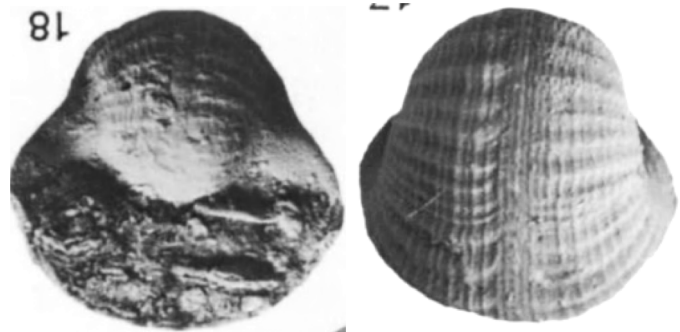
Bellerophon laticallis
Hoare 1997



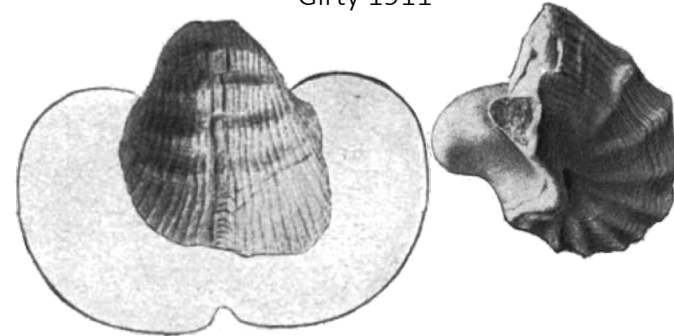
Patellilabia sp.
Kues & Batten 2001



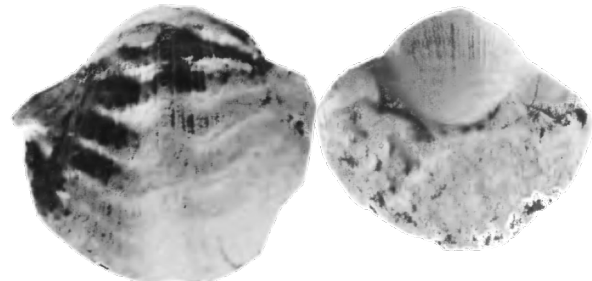
Cymatospira montfortianus
Hoare 1997



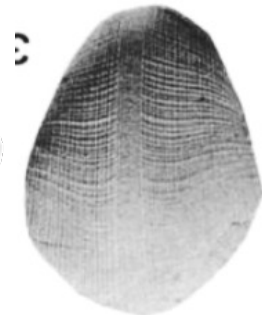
Cymatospira montfortianus
Girty 1911



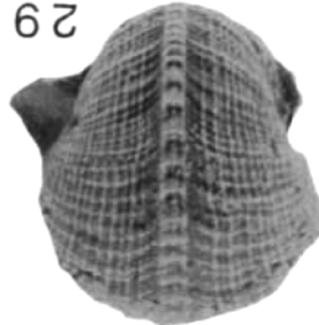
Retispira eximia
Kues 1991



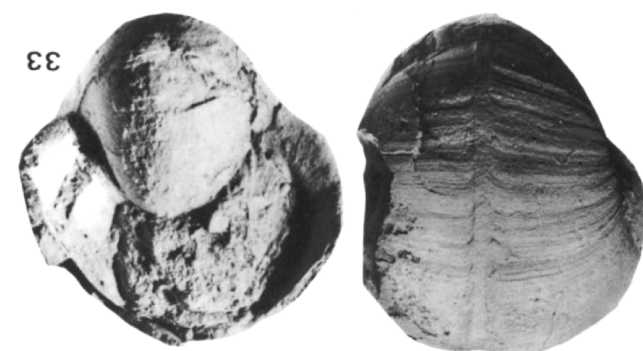
Retispira tenuilineata
Kues & Batten 2001



Retispira fascireticulatus
Hoare 1997



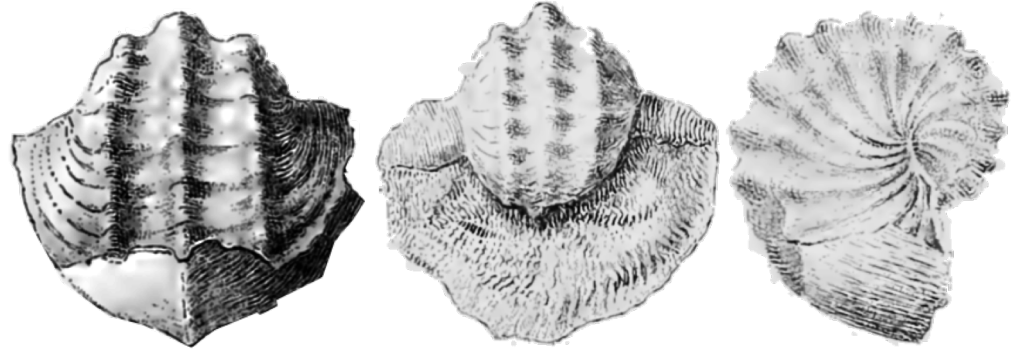
Waagenella crassus
Kues & Batten 2001



Euphemites blaneyanus
King 1940



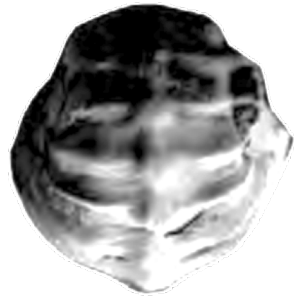
Pharkidonotus percarinatus
Norwood & Pratten 1854



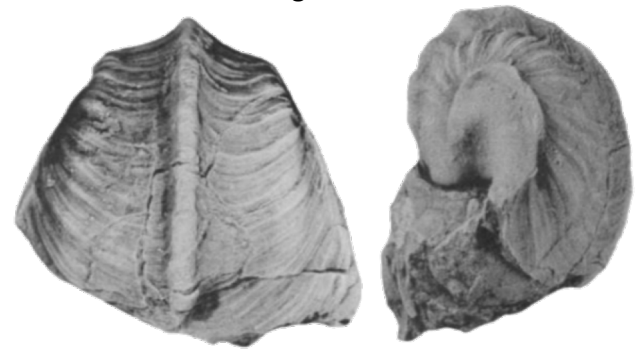
Euphemites enodus
Sturgeon 1964



Pharkidonotus percarinatus
Kues 2002



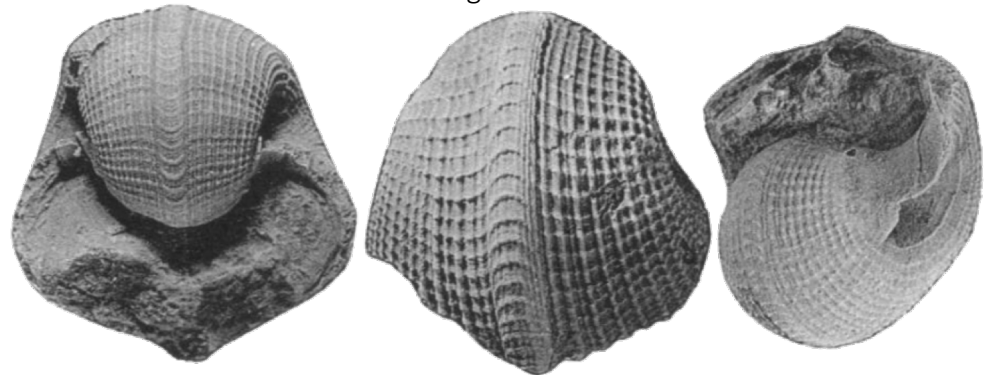
Pharkidonotus labioreflexus
Sturgeon 1964



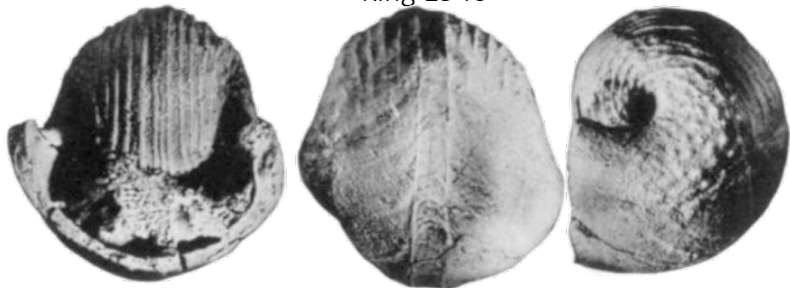
Euphemites multiliratus
Sturgeon 1964



Retispira textiliformis
Knight 1945



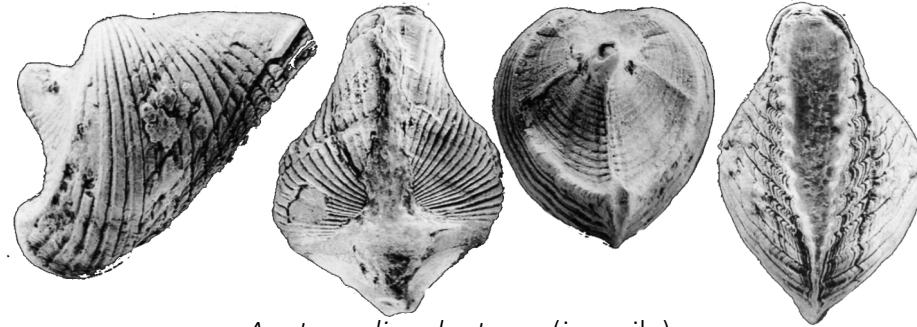
Euphemites vittatus
King 1940



Mollusca – Rostroconchia

Apotocardium plautum

Hoare et al., 2002



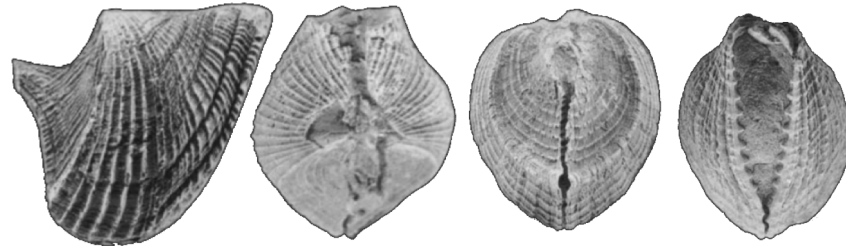
Apotocardium obliquum

Hoare et al., 2002



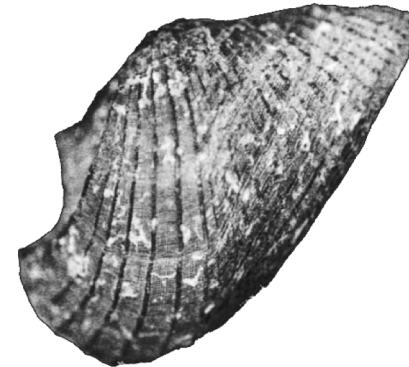
Apotocardium lanterna (juvenile)

Hoare et al., 2002



Apotocardium lanterna (adult)

Hoare et al., 2002



Apotocardium lanterna

Hoare et al., 2002



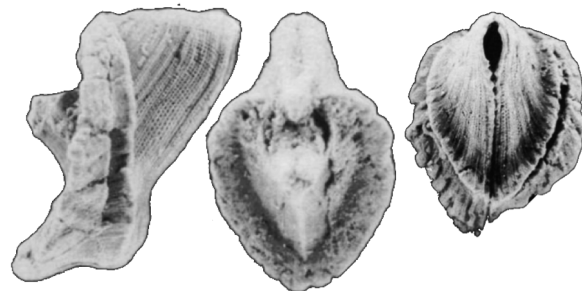
Oxyprora missouriensis

Hoare et al., 2002



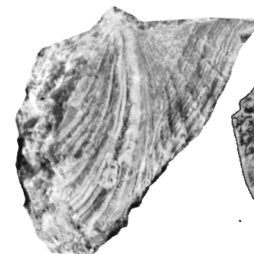
Pseudobigalea crista

Hoare et al., 2002



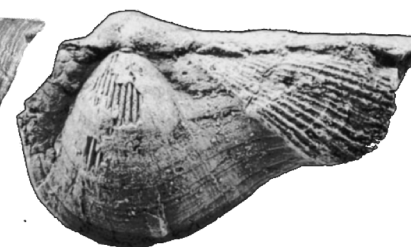
Oxyprora parrishi

Hoare et al., 2002

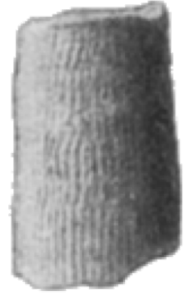


Arcedomus prolata

Hoare et al., 2002



Mollusca – Scaphopoda



Proentalium semicostatum
Girty 1911

Plagioglypta canna
Clifton 1942, Internet



Plagioglypta annulostriata
Girty 1911



Proentalium sublaeve
Kues 2004

