

PLEISTOCENE LAND SNAILS OF SOUTHERN MISSISSIPPI
AND ADJACENT LOUISIANA

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In a previous paper (Sterkiana 3: 11-14, 1961) the author reported on the land snails of the loess of Mississippi from the northern border south to near Port Gibson, Claiborne County. In the present paper the species found from the vicinity of Vicksburg, Warren County south into West Feliciana Parish, Louisiana are listed. More time was available for collecting at the localities reported in the present paper and the lists are more complete.

There are some pitfalls in attempting to determine climatic and ecological conditions from snail faunas. Snails may live in different habitats in different parts of their ranges. Thus *Hendersonia occulta* (Say) and *Pomatopsis lapidaria* (Say) are found on floodplains in the North, but in the southern Appalachians they are usually found on talus slopes or on the slopes of ravines, and sometimes are found high up on mountain sides well away from any water. *Stenotrema barbatum* (Clapp) is found on floodplains over most of its range, but is an upland snail in parts of West Virginia. Near St. Louis, Missouri, *Stenotrema leialiciae* (Pilsbry) is found only in wet meadows in the vicinity of springs, but in Mississippi it is common on dry roadsides. Snails are adaptable. In a somewhat overgrazed mountainside

pasture in West Virginia I once found ten species of typically woodland snails in abundance crawling about after a rain. Although the trees had been removed many years ago the snails had adapted themselves to the new environment and had survived there with only short grass for cover.

Stenotrema barbatum (Clapp) is the species usually called *Stenotrema hirsutum* (Say) in loess faunal lists. It is doubtful if *S. hirsutum* occurs anywhere as a loess fossil as its range is south and east of the main loess areas. It ranges from Connecticut west to southern Indiana, south of the southern limit of Pleistocene glaciation, southward to western North Carolina and northeastern Mississippi. *Stenotrema barbatum* ranges from Massachusetts west to southern Minnesota and eastern Kansas, south to South Carolina, southern Alabama, and Missouri.

Since the loess hills of Mississippi are forested at the present time, in the absence of any factor that would prevent the growth of trees, they probably were covered with a forest at the time the loess was formed, except where it was destroyed by fire or storm. The snails found in the loess are such a mixture of northern

and southern species that it is difficult to determine the climate during the time it was deposited. It was probably moderate with cool summers which would prevent the dying off of the northern species, yet the winters were not severe enough to kill the southern species. It was probably wetter than at present - at least there were no prolonged dry spells in the Summer.

A number of species found in the loess of southern Mississippi were not found in northern Mississippi, notably *Mesodon zaletus* (Binney), *Mesodon elevatus* (Say), *Triodopsis vulgaris* Pilsbry, and *Mesomphix capnodes* (W. G. Binney). Although some of these species are found living today in the upper Mississippi Valley, it does not seem possible that they could have reached southern Mississippi by moving down along the Mississippi River without leaving some evidence of their passing. All of these species are native of northern Alabama. During the Pleistocene many species of land snails of the southern Appalachians moved southward onto the Coastal Plain and then spread westward at least as far as the Mississippi River. The presence of *Paravitrea significans* (Bland) in the loess of southern Mississippi would indicate that a similar migration of the Ozarkian Fauna occurred at the same time. Apparently there was some exchange of faunas between the Appalachians and Ozarks at this time. *Triodopsis obstricta* (Say), *Glyphyalina solida* (H. B. Baker), *Mesomphix capnodes* (W. G. Binney), *Mesomphix cupreus ozarkensis* (Pilsbry & Ferriss), and *Paravitrea multidentata* (Binney) reaching the Ozarks, and *Triodopsis aleni* (Wetherby) migrated into the southern Appalachians. *Mesodon zaletus* (Binney), *Triodopsis obstricta* (Say), *Glyphyalina praecox* (H. B. Baker), *Mesomphix capnodes* (W. G. Binney), and *Paravitrea significans* (Bland) have survived in the Tunica Hills of southwestern Mississippi, and Louisiana as relicts of this migration, although they have not been found anywhere else in Mississippi.

Some of the species reported in the previous paper were known only from immature or fragmentary material. The finding of good series of mature specimens together with a better understanding of the origin of the fauna has made it necessary to revise some of the names used in the previous paper. *Mesomphix friabilis* (W. G. Binney) is *Mesomphix capnodes* (W. G. Binney) except in Tate Co. *Zonitoides limatulus* (Binney) is *Zonitoides lateumbilicatus* (Pilsbry). *Hawitfa minuscula* (Binney) is *Helicodiscus jacksoni* Hubricht. And *Helicodiscus singleyanus inermis* H. B. Baker is *Helicodiscus intermedius* Morrison. The undescribed species of *Helicodiscus* is *Helicodiscus notius* Hubricht.

MISSISSIPPI

1. HINDS County, loess, 1 mile northeast of Edwards.

Stenotrema barbatum (Clapp)
Stenotrema stenotrema (Pfeiffer)
Stenotrema leai aliciae (Pilsbry)
Stenotrema fraternum (Say)
Mesodon thyroidus (Say)
Mesodon zaletus (Binney)
Mesodon elevatus (Say)
Mesodon inflectus (Say)
Triodopsis vulgaris Pilsbry
Triodopsis fosteri (F. C. Baker)
Allogona profunda (Say)
Haplotrema concauum (Say)
Mesomphix friabilis (W. G. Binney)
Anguispira alternata (Say)
Helicodiscus notius Hubricht
Helicina orbiculata (Say)

2. HINDS County; loess, 1.7 miles northwest Edwards.

Stenotrema barbatum (Clapp)
Stenotrema stenotrema (Pfeiffer)
Stenotrema leai aliciae (Pilsbry)
Stenotrema fraternum (Say)

Discus patulus (Deshayes)
Helicina orbiculata (Say)

9. CLAIBORNE County: loess, 7.6 miles east of Port Gibson.

Stenotrema leai aliciae (Pilsbry)
Mesodon thyroidus (Say)
Mesodon clausus (Say)
Mesodon elevatus (Say)
Mesodon inflectus (Say)
Triodopsis fosteri (F. C. Baker)
Allogona profunda (Say)
Haplotrema concavum (Say)
Mesomphix globosus (MacMillan)
Ventridens intertextus (Binney)
Anguispira alternata (Say)
Anguispira strongylodes (Pfeiffer)
Helicina orbiculata (Say)

10. CLAIBORNE County: loess, 4 miles east of Port Gibson. Additional species.

Mesodon clausus (Say)
Triodopsis vulgatus Pilsbry
Allogona profunda (Say)
Haplotrema concavum (Say)
Glyphyalinia circumstriata (Taylor)?
Ventridens intertextus (Binney)
Discus patulus (Deshayes)
Gastrocopta armifera (Say)

11. CLAIBORNE County: loess, 2 miles south of Port Gibson.

Stenotrema stenotrema (Pfeiffer)
Stenotrema leai aliciae (Pilsbry)
Stenotrema fraternum (Say)
Mesodon thyroidus (Say)
Mesodon clausus (Say)
Mesodon zaletus (Binney)
Mesodon elevatus (Say)
Mesodon inflectus (Say)
Triodopsis fosteri (F. C. Baker)
Triodopsis albolabris (Say)
Allogona profunda (Say)
Haplotrema concavum (Say)
Mesomphix capnodes (W. G. Binney)
Ventridens intertextus (Binney)
Anguispira alternata (Say)

Anguispira strongylodes (Pfeiffer)
Discus patulus (Deshayes)
Helicodiscus notius Hubricht
Succinea ovalis Say
Cionella morseana Doherty
Helicina orbiculata (Say)
Pomatiopsis lapidaria (Say)

12. JEFFERSON County: loess, 5 miles northwest of Lorman.

Stenotrema stenotrema (Pfeiffer)
Stenotrema fraternum (Say)
Mesodon elevatus (Say)
Mesodon zaletus (Binney)
Triodopsis vulgatus Pilsbry
Triodopsis albolabris (Say)
Haplotrema concavum (Say)
Mesomphix capnodes (W. G. Binney)
Anguispira alternata (Say)

13. JEFFERSON County: loess, 2 miles northwest of Lorman.

Stenotrema fraternum (Say)
Mesodon elevatus (Say)
Triodopsis vulgatus Pilsbry
Anguispira alternata (Say)
Hendersonia occulta (Say)
Helicina orbiculata (Say)
Pomatiopsis lapidaria (Say)

14. JEFFERSON County: loess, 7.3 miles northwest of Fayette.

Stenotrema barbatum (Clapp)
Stenotrema stenotrema (Pfeiffer)
Stenotrema leai aliciae (Pilsbry)
Mesodon thyroidus (Say)
Mesodon clausus (Say)
Mesodon zaletus (Binney)
Mesodon elevatus (Say)
Mesodon inflectus (Say)
Triodopsis fosteri (F. C. Baker)
Triodopsis albolabris (Say)
Allogona profunda (Say)
Haplotrema concavum (Say)
Ventridens demissus (Binney)
Ventridens intertextus (Binney)
Zonitoides arboreus (Say)

Anguispira alternata (Say)
Anguispira strongylodes (Pfeiffer)
Discus patulus (Deshayes)
Helicodiscus jacksoni Hubricht
Succinea ovalis Say
Cionella morseana Doherty
Hendersonia occulta (Say)
Helicina orbiculata (Say)
Pomatiopsis lapidaria (Say)

15. JEFFERSON County: loess, 3.2 miles southwest of Fayette.

Stenotrema stenotrema (Pfeiffer)
Stenotrema leai aliciae (Pilsbry)
Mesodon thyroidus (Say)
Mesodon elevatus (Say)
Mesodon clausus (Say)
Mesodon inflectus (Say)
Triodopsis fosteri (F. C. Baker)
Triodopsis albolabris (Say)
Allogona profunda (Say)
Haplotrema concavum (Say)
Mesomphix capnodes (W. G. Binney)
Ventridens intertextus (Binney)
Anguispira strongylodes (Pfeiffer)
Cionella morseana Doherty
Helicina orbiculata (Say)

16. ADAMS County: loess, Selma.

Stenotrema barbatum (Clapp)
Stenotrema stenotrema (Pfeiffer)
Stenotrema leai aliciae (Pilsbry)
Mesodon elevatus (Say)
Haplotrema concavum (Say)
Anguispira alternata (Say)
Helicina orbiculata (Say)

17. ADAMS County: loess, 1 mile north-east of Washington.

Stenotrema barbatum (Clapp)
Stenotrema stenotrema (Pfeiffer)
Stenotrema leai aliciae (Pilsbry)
Mesodon elevatus (Say)
Mesodon inflectus (Say)
Triodopsis fosteri (F. C. Baker)
Allogona profunda (Say)
Haplotrema concavum (Say)

Mesomphix capnodes (W. G. Binney)
Ventridens demissus (Binney)
Discus patulus (Deshayes)
Helicodiscus parallelus (Say)
Succinea ovalis Say
Helicina orbiculata (Say)
Pomatiopsis lapidaria (Say)

18. ADAMS County: loess, 2 miles west of Fenwick.

Stenotrema barbatum (Clapp)
Stenotrema stenotrema (Pfeiffer)
Stenotrema leai aliciae (Pilsbry)
Mesodon clausus (Say)
Mesodon zaletus (Binney)
Mesodon elevatus (Say)
Mesodon inflectus (Say)
Triodopsis obstricta (Say)
Allogona profunda (Say)
Haplotrema concavum (Say)
Glyphyalinia indentata (Say)
Mesomphix capnodes (W. G. Binney)
Paravitrea significans (Bland)
Ventridens demissus (Binney)
Ventridens intertextus (Binney)
Zonitoides arboreus (Say)
Anguispira alternata (Say)
Anguispira strongylodes (Pfeiffer)
Discus patulus (Deshayes)
Succinea ovalis Say
Helicina orbiculata (Say)
Pomatiopsis lapidaria (Say)

19. ADAMS County: silt along small creek, 1.6 miles west of Fenwick. In addition to the land snails this deposit contained several species of aquatic mollusks, fossil wood and other plant remains, and large numbers of spruce needles.

Stenotrema barbatum (Clapp)
Mesodon inflectus (Say)
Triodopsis fosteri (F. C. Baker)
Haplotrema concavum (Say)
Euconulus fulvus (Müller)
Guppya sterkii (Dall)
Glyphyalinia sp. (related to *G. circumstriata* (Taylor) but more depressed and with

smaller umbilicus. Probably an undescribed species).

Paravitrea multidentata (Binney)
Paravitrea significans (Bland)
Hawaiiia minuscula (Binney)
Zonitoides arboreus (Say)
Zonitoides lateumbilicatus (Pilsbry)
Striatura exigua (Stimpson)
Deroceras laeve (Müller)
Helicodiscus parallelus (Say)
Helicodiscus intermedius Morrison
Helicodiscus jacksoni Hubricht
Punctum minutissimum (Lea)
Catinella gelida (F. C. Baker)
Gastrocopta armifera (Say)
Gastrocopta contracta (Say)
Gastrocopta pentodon (Say)
Gastrocopta tappaniana (C. B. Adams)
Vertigo milium (Gould)
Vertigo, n. sp. (same as at locality 20)
Vertigo ovata Say
Carychium exiguum (Say)
Carychium exile H. C. Lea
Hendersonia occulta (Say)
Pomatiopsis lapidaria (Say)

20. ADAMS County: loess, south side of road, 1.7 miles west of the junction of U. S. 61 and U. S. 84, Washington.

Stenotrema barbatum (Clapp)
Stenotrema stenotrema (Pfeiffer)
Stenotrema leai aliciae (Pilsbry)
Mesodon thyroidus (Say)
Mesodon clausus (Say)
Mesodon zaletus (Binney)
Mesodon elevatus (Say)
Mesodon inflectus (Say)
Triodopsis obstricta (Say)
Triodopsis fosteri (F. C. Baker)
Triodopsis albolabris (Say)
Allogona profunda (Say)
Haplotrema concavum (Say)
Euconulus fulvus (Müller)
Guppya sterkii (Dall)
Glyphyalinia lewisiana (Clapp)
Glyphyalinia indentata (Say)
Glyphyalinia indentata paucilirata (Morelet)

Paravitrea multidentata (Binney)
Paravitrea significans (Bland)
Ventridens demissus (Binney)
Ventridens intertextus (Binney)
Zonitoides arboreus (Say)
Zonitoides lateumbilicatus (Pilsbry)
Anguispira alternata (Say)
Anguispira strongyloides (Pfeiffer)
Discus patulus (Deshayes)
Helicodiscus notius Hubricht
Helicodiscus parallelus (Say)
Helicodiscus intermedius Morrison
Helicodiscus jacksoni Hubricht
Punctum minutissimum (Lea)
Succinea ovalis Say
Succinea, n. sp.
Catinella gelida (F. C. Baker)
Gastrocopta contracta (Say)
Gastrocopta pentodon (Say)
Gastrocopta corticaria (Say)
Vertigo, n. sp. (With teeth similar to *V. alabamensis* *conecuhensis* Clapp, but smaller and more slender than *V. milium* (Gould)).
Vertigo tridentata Wolf
Vertigo gouldi (Binney)
Columella edentula (Draparnaud)
Columella alticola (Ingersoll)
Vallonia perspectiva Sterki
Cionella morseana Doherty
Carychium exile H. C. Lea
Hendersonia occulta (Say)
Helicina orbiculata (Say)
Pomatiopsis lapidaria (Say)
 Snail eggs (*Anguispira*)
 Snail eggs (*Discus*)
 Snail eggs (*Zonitoides*?)

21. ADAMS County: loess, 1 mile southeast of Anna.

Stenotrema barbatum (Clapp)
Stenotrema stenotrema (Pfeiffer)
Stenotrema leai aliciae (Pilsbry)
Mesodon clausus (Say)
Mesodon zaletus (Binney)
Mesodon elevatus (Say)
Mesodon inflectus (Say)

Triodopsis obstricta (Say)
Triodopsis fosteri (F. C. Baker)
Triodopsis albolabris (Say)
Allogona profunda (Say)
Haplotrema concavum (Say)
Euconulus fulvus (Mille)
Glyphyalinia lewisiana (Clapp)
Glyphyalinia indentata (Say)
Glyphyalinia solida (H. B. Baker)
Paravitrea significans (Bland)
Ventridens demissus (Binney)
Zonitoides arboreus (Say)
Anguispira alternata (Say)
Anguispira strongylodes (Pfeiffer)
Discus patulus (Deshayes)
Helicodiscus notius Hubricht
Helicodiscus jacksoni Hubricht
Succinea ovalis Say
Cionella morseana Doherty
Hendersonia occulta (Say)

22. ADAMS County: silt, ditch, 2.5 miles northeast of Anna. This deposit is on the Mississippi River floodplain, and is from 8 to 10 feet below the surface. It is probably the youngest deposit reported in this paper. Many of the shells appear to have been washed out of loess deposits on the nearby hills and were redeposited.

Stenotrema barbatum (Clapp)
Stenotrema stenotrema (Pfeiffer)
Stenotrema leai aliciae (Pilsbry)
Mesodon thyroidus (Say)
Mesodon clausus (Say)
Mesodon zaletus (Binney)
Mesodon elevatus (Say)
Mesodon inflectus (Say)
Triodopsis fosteri (F. C. Baker)
Triodopsis albolabris (Say)
Allogona profunda (Say)
Euglandina rosea (Férussac)
Haplotrema concavum (Say)
Glyphyalinia indentata (Say)
Mesomphix globosus (MacMillan)
Ventridens demissus (Binney)
Ventridens ligerus (Say)
Ventridens intertextus (Binney)
Anguispira alternata (Say)

Anguispira strongylodes (Pfeiffer)
Discus patulus (Deshayes)
Succinea ovalis Say
Hendersonia occulta (Say)
Helicina orbiculata (Say)

23. ADAMS County: loess, first cut east of the Mississippi River bridge, on the south side of U. S. 84, Natchez.

Stenotrema barbatum (Clapp)
Stenotrema stenotrema (Pfeiffer)
Stenotrema leai aliciae (Pilsbry)
Mesodon zaletus (Binney)
Mesodon elevatus (Say)
Mesodon inflectus (Say)
Triodopsis obstricta (Say)
Triodopsis albolabris (Say)
Allogona profunda (Say)
Haplotrema concavum (Say)
Glyphyalinia lewisiana (Clapp)
Glyphyalinia indentata (Say)
Glyphyalinia solida (H. B. Baker)
Mesomphix capnodes (W. G. Binney)
Paravitrea significans (Bland)
Ventridens demissus (Binney)
Ventridens ligerus (Say)
Ventridens intertextus (Binney)
Zonitoides arboreus (Say)
Anguispira alternata (Say)
Anguispira strongylodes (Pfeiffer)
Discus patulus (Deshayes)
Helicodiscus notius Hubricht
Succinea ovalis Say
Cionella morseana Doherty
Helicina orbiculata (Say)

24. ADAMS County: loess, 3 miles southwest of Natchez.

Stenotrema barbatum (Clapp)
Stenotrema stenotrema (Pfeiffer)
Stenotrema leai aliciae (Pilsbry)
Mesodon thyroidus (Say)
Mesodon zaletus (Binney)
Mesodon elevatus (Say)
Mesodon inflectus (Say)
Triodopsis obstricta (Say)
Triodopsis denotata (Férussac)

Triodopsis obstricta X *denotata*
Triodopsis albolabris (Say)
Triodopsis alleni (Wetherby)
Allogona profunda (Say)
Haplotrema concavum (Say)
Glyphyalinia lewisiana (Clapp)
Glyphyalinia indentata (Say)
Mesomphix capnodes (W. G. Binney)
Paravitrea multidentata (Binney)
Paravitrea significans (Bland)
Ventridens ligerus (Say)
Ventridens intertextus (Binney)
Anguispira alternata (Say)
Anguispira strongylodes (Pfeiffer)
Discus patulus (Deshayes)
Helicodiscus notius Hubricht
Succinea ovalis Say
Cionella morseana Doherty
Helicina orbiculata (Say)

25. ADAMS County: loess, Cloverdale.

Stenotrema barbatum (Clapp)
Stenotrema stenotrema (Pfeiffer)
Stenotrema leai aliciae (Pilsbry)
Mesodon zaletus (Binney)
Mesodon elevatus (Say)
Mesodon inflectus (Say)
Triodopsis fosteri (F. C. Baker)
Allogona profunda (Say)
Haplotrema concavum (Say)
Anguispira strongylodes (Pfeiffer)
Discus patulus (Deshayes)

26. WILKINSON County: loess, 5.7 miles west of Lessley.

Stenotrema barbatum (Clapp)
Stenotrema stenotrema (Pfeiffer)
Stenotrema leai aliciae (Pilsbry)
Mesodon thyroidus (Say)
Mesodon clausus (Say)
Mesodon zaletus (Binney)
Mesodon elevatus (Say)
Mesodon inflectus (Say)
Triodopsis obstricta (Say)
Triodopsis denotata (Férussac)
Allogona profunda (Say)
Haplotrema concavum (Say)

Glyphyalinia indentata (Say)
Mesomphix capnodes (W. G. Binney)
Paravitrea multidentata (Binney)
Paravitrea significans (Bland)
Ventridens demissus (Binney)
Ventridens ligerus (Say)
Ventridens intertextus (Binney)
Zonitoides arboreus (Say)
Anguispira alternata (Say)
Anguispira strongylodes (Pfeiffer)
Discus patulus (Deshayes)
Helicodiscus notius Hubricht
Helicodiscus intermedius Morrison
Helicodiscus jacksoni Hubricht
Punctum minutissimum (Lea)
Succinea ovalis Say
Gastrocopta corticaria (Say)
Vertigo gouldi (Binney)
Helicina orbiculata (Say)
 Snail eggs (*Anguispira*)

27. WILKINSON County: loess, 2.3 miles southeast of Lessley.

Stenotrema stenotrema (Pfeiffer)
Mesodon thyroidus (Say)
Mesodon elevatus (Say)
Allogona profunda (Say)
Mesomphix globosus (MacMillan)
Mesomphix capnodes (W. G. Binney)
Anguispira strongylodes (Pfeiffer)

28. WILKINSON County: loess, 1.5 miles east of Fort Adams.

Stenotrema barbatum (Clapp)
Stenotrema stenotrema (Pfeiffer)
Stenotrema leai aliciae (Pilsbry)
Mesodon thyroidus (Say)
Mesodon clausus (Say)
Mesodon zaletus (Binney)
Mesodon elevatus (Say)
Mesodon inflectus (Say)
Triodopsis obstricta (Say)
Triodopsis albolabris (Say)
Allogona profunda (Say)
Haplotrema concavum (Say)
Mesomphix capnodes (W. G. Binney)
Paravitrea significans (Bland)

Ventridens demissus (Binney)
Ventridens intertextus (Binney)
Zonitoides arboreus (Say)
Anguispira strongylodes (Pfeiffer)
Discus patulus (Deshayes)
Succinea ovalis Say
Helicina orbiculata (Say)

29. WILKINSON County: loess, 0.5 mile northwest of Pond.

Stenotrema barbatum (Clapp)
Stenotrema stenotrema (Pfeiffer)
Stenotrema leai aliciae (Pilsbry)
Mesodon zaletus (Binney)
Mesodon inflectus (Say)
Triodopsis obstricta (Say)
Triodopsis albolabris (Say)
Allogona profunda (Say)
Haplotrema concavum (Say)
Mesomphix capnodes (W. G. Binney)
Ventridens demissus (Binney)
Anguispira strongylodes (Pfeiffer)
Discus patulus (Deshayes)
Helicina orbiculata (Say)

LOUISIANA

WEST FELICIANA Parish: silt, Little Bayou Sara, Retreat. In addition to the land snails this deposit contained several species of aquatic mollusks, fossil wood and other plant remains. The spruce needles found at locality 19 were not found at this locality. The readily identifiable tree remains were of deciduous species: black walnut, beech, hickory, oak, sycamore, and maple.

Stenotrema barbatum (Clapp)
Stenotrema leai aliciae (Pilsbry)
Mesodon thyroidus (Say)
Mesodon elevatus (Say)
Mesodon inflectus (Say)
Triodopsis albolabris (Say)
Haplotrema concavum (Say)
Guppya sterkii (Dall)
Glyphyalinia, sp. (same as at locality 19)
Glyphyalinia indentata (Say)

Paravitrea multidentata (Binney)
Paravitrea significans (Bland)
Hawaiiia minuscula (Binney)
Ventridens intertextus (Binney)
Zonitoides arboreus (Say)
Striatura exigua (Stimpson)
Striatura milium (Morse)
Deroceras laeve (Müller)
Anguispira strongylodes (Pfeiffer)
Helicodiscus parallelus (Say)
Helicodiscus intermedius Morrison
Helicodiscus jacksoni Hubricht
Punctum minutissimum (Lea)
Succinea, sp. (immature)
Strobilops aenea Pilsbry
Gastrocopta contracta (Say)
Gastrocopta pentodon (Say)
Gastrocopta tappaniana (C. B. Adams)
Vertigo milium (Gould)
Vertigo, n. sp. (same as at locality 20)
Vertigo ovata Say
Vertigo tridentata Wolf
Vertigo gouldi (Binney)
Carychium exiguum (Say)
Carychium exile H. C. Lea
Pomatiopsis lapidaria (Say)

31. WEST FELICIANA Parish: loess, Tunica.

Stenotrema barbatum (Clapp)
Stenotrema stenotrema (Pfeiffer)
Stenotrema leai aliciae (Pilsbry)
Mesodon thyroidus (Say)
Mesodon zaletus (Binney)
Mesodon elevatus (Say)
Mesodon inflectus (Say)
Triodopsis obstricta (Say)
Triodopsis albolabris (Say)
Allogona profunda (Say)
Haplotrema concavum (Say)
Glyphyalinia indentata (Say)
Paravitrea significans (Bland)
Mesomphix capnodes (W. G. Binney)
Ventridens demissus (Binney)
Ventridens intertextus (Binney)
Anguispira strongylodes (Pfeiffer)
Discus patulus (Deshayes)
Helicina orbiculata (Say)

32. WEST FELICIANA Parish; loess, Brandon.
Stenotrema stenotrema (Pfeiffer)
Mesodon thyroidus (Say)
Mesodon zaletus (Binney)
Mesodon elevatus (Say)
Mesodon inflectus (Say)
Triodopsis obstricta (Say)
Triodopsis albolabris (Say)
Allogona profunda (Say)
Haplotrema concavum (Say)

Glyphyalinia lewisiana (Clapp)
Mesomphix globosus (MacMillan)
Mesomphix capnodes (W. G. Binney)
Ventridens ligerus (Say)
Ventridens intertextus (Binney)
Anguispira strongylodes (Pfeiffer)
Discus patulus (Deshayes)
Helicodiscus parallelus (Say)
Helicina orbiculata (Say)

REVIEW

NEW NAMES INTRODUCED BY H. A. PILSBRY IN THE MOLLUSCA AND CRUSTACEA, by William J. Clench and Ruth D. Turner. Academy of Natural Sciences of Philadelphia, Special Publication No. 4, 218 pp., 1962, paper cover. \$5.00 postpaid within the United States, \$5.50 postpaid for all other orders.

In this work the authors have done a fine job of compiling the vast number of new names that Henry A. Pilsbry applied to the Mollusca and Crustacea during his 75 years of dedicated work. The names range from those above the family level to subspecies, varieties, and forms. They are listed in alphabetical order and to each is added a reference to the publication in which it first appeared, as well as the locality where the specimen was found.

A bibliography of 1151 articles that H. A. Pilsbry wrote from 1882 to 1958 appears from

pages 165 to 218 inclusive. All the papers referred to in the catalogue may be found in this section.

This book is a valuable source of information for students of both malacology and paleontology. The authors state (p. 1), that "although the 'Zoological Record' has listed most of Pilsbry's names, searching through it is a slow process because 5,680 names were introduced by Pilsbry over a period of 75 years." A catalogue such as this as well as Pilsbry's bibliography dealing with works of original biological and taxonomic research will serve as a great time-saver for workers in these fields.

Edward C. Roy, Jr.
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