

MOLLUSCAN RECORDS FROM WEST TEXAS *

E.P. CHEATUM, RICHARD FULLINGTON,

AND LLOYD PRATT**

This report is based upon molluscan species collected in West Texas by the writers during the past eight years. Four of the collecting trips were made within the past three years and were sponsored by the Dallas Natural Science Association. Eighteen other collecting trips were sponsored by the Fort Worth Museum of Science and History. Therefore, this is a joint listing of collections. Lloyd Pratt who has worked independently from the other writers has done intensive collecting of mollusks in the Trans-Pecos, particularly in the Chisos Mountain range.

Although most of the following reports are from the Texas Trans-Pecos, these reports also include drift shells collected along major streams on the westward and the return trips. Many of the drift shells were doubtlessly washed out from alluvial deposits, but all the drift shells, with the exception of those collected in the Pecos River and in Maravillas Canyon adjacent to the Rio Grande River were from streams of Texas origin.

* All reports are listed by county.

** E.P. Cheatum, Professor Emeritus of Biology and Associate Curator of the Shuler Museum of Paleontology, Southern Methodist University; Richard Fullington, Curator of Invertebrates, Dallas Museum of Natural History; and Lloyd Pratt, Research Assistant, Fort Worth Museum of Science and History.

*** A new species of *Humboldtiana* to be described later in *Nautilus*.

A total of 138 species and varieties of mollusks are reported. Among these are the following species which are new reports for Texas: *Gastrocopta dalliana* Sterki from the Davis Mountains, Jeff Davis County; *Columella columella alticola* (Ingersoll), *Pupilla hebes* (Ancey), *Radiodiscus millecostatus* Pilsbry and Ferriss and *Micropophysula ingersolli* (Bland) from the Chisos Mountains, Brewster County; *Holospira danieli* Pilsbry and Ferriss, *Holospira montivaga* Pilsbry and *Ashmunella carlsbadensis* Pilsbry from the Guadalupe Mountains, Culberson County; *Humboldtiana* sp.*** from the Sierra Vieja Mountains, Presidio County; *Helicodiscus notius notius* Hubricht for Dallas and Tarrant Counties, and *Pisidium fallax* Sterki collected on the Woodward Ranch in Brewster County.

To our knowledge the following species included in this report occur only as Pleistocene fossils and should not be considered as Recent for Texas: *Promenetus umbilicatellus* (Cockerell), *Promenetus excavatus* (Say), *Planorbula crassilabris* (Walker), *Discus cronkhitei* (Newcomb), *Nesovitrea electrina* (Gould), *Vallonia gracilicosta* Reinhardt, *Pupilla blandi* Morse, *Gastrocopta pilsbryana* (Sterki), and *Pupoides hordaceus* (Gabb).

PELECYPODA

Order Prionodesmacea

Family Unionidae

Anodonta imbecilis Say - Menard.
Amblera plicata (Say) - Kimble and Coryell, Menard.

Cyrtoneias berlandieri (Lea) - Menard.
Lampsilis bracteata Gould - Kimble Menard.
Lampsilis radiata siliquoidea (Barnes) - Kimble.
Potamilus laevisissima (Lea) - Kimble.
Potamilus purpurata (Lamarck) - Kimble, Menard.
Quadrula pustulosa (Lea) - Kimble.
Quadrula petrina Gould - Menard.

ORDER TELEODESMACEA

Family Sphaeriidae

**Pisidium casertanum* (Poli) - Culberson.
 **Pisidium nitidum* Jenyns - McCulloch.
Sphaerium lacustre (Müller) - McCulloch.
Sphaerium striatinum (Lamarck) - Kimble.
Sphaerium sulcatum (Lamarck) - Kimble.
Sphaerium transversum (Say) - McCulloch, Kimble, San Saba.
 ** *Eupera cubensis* (Prime) - Kimble, McCulloch, Hamilton, Menard, Somervell.

AQUATIC GASTROPODA

ORDER MESOGASTROPODA

Family Pleuroceridae

Oxytrema comalensis (Pilsbry) - San Saba, Menard.

Family Hydrobiidae

Annicola lustrica Pilsbry - Kimble.
Tryonia cheatumi (Pilsbry) - Jeff Davis.
Cochliopa riograndensis (Pilsbry & Ferriss) - Terrell (Living in Independence-Pecos R. drainage).
Cochliopa texana (Pilsbry) - Jeff Davis, Sutton.

ORDER BASOMMATOPHORA

Family Lymnaeidae

Lymnaea bulimoides techella (Haldeman) - McCulloch, Kimble, Mason, Coleman, Presidio.
Lymnaea dalli Baker - Hamilton, Crosby.

* Identified by Rev. H. B. Herrington, Westbrook, Ontario, Canada.

** Identified by Richard H. Guckert, Florida State University, Tallahassee, Fla.

Lymnaea humilis (Say) - McCulloch, Uvalde, Kimble, Brewster, Culberson, Presidio, Terrell.

Family Physidae

Physa virgata Gould - Mason, Scurry, Culberson, McCulloch, Brewster, Crockett, Uvalde, Kimble, Coleman, Hudspeth, Jeff Davis, Hamilton, Coryell, Crosby, Presidio, Terrell.

Family Planorbidae

Gyraulus parvus (Say) - McCulloch, Kimble, Culberson, Scurry, Hamilton, Coleman, Mason, Brewster, Terrell, Presidio.
Helisoma anceps (Menke) - Kimble, Uvalde, Howard, Presidio, Terrell.
Helisoma trivolvis lentum (Say) - Culberson, McCulloch, Mason, Uvalde, Hemphill, Lubbock, Brewster, Jeff Davis.
Menetus dilatatus (Gould) - Callahan, Menard, Somervell.
Menetus sampsoni (Ancey) - Tarrant.
Promenetus exacuus (Say) - Callahan (Brazos R. drift).
Promenetus umbilicatellus (Cockerell) - Howard, Uvalde.
Planorbula crassilabris (Walker) - Presidio, Sutton.
Biomphalaria gracilentus (Gould) - McCulloch, Mason, Uvalde, Kimble, Brewster, Hamilton, Terrell.
Biomphalaria obstructus (Morelet) - Uvalde, San Saba, Brewster, Mason, Kinney, Kimble, McCulloch, Scurry, Hamilton, Presidio.

LAND GASTROPODA

ORDER BASOMMATOPHORA

Family Carychiidae

Carychium floridanum (Say) - Hamilton, McCulloch, Kimble.

ORDER ARCHAEOGASTROPODA

Family Helicinidae

Oligyra orbiculata tropica (Pfeiffer) - Val Verde, Uvalde, San Saba, Coryell, Kinney, Comal, Kimble, McCulloch, Hamilton, Sutton, Mason.

ORDER STYLOMMATOPHORA

Family Cionellidae

Cionella sp. - Uvalde, Culberson, Brewster.

Family Helminthoglyptidae

Humboldtiana agavophila Pratt - Brewster.

Humboldtiana cheatumi Pilsbry - Jeff Davis.

Humboldtiana palmeri Clench & Rehder - Jeff Davis.

Humboldtiana chisosensis Pilsbry - Brewster.

Humboldtiana ferrissiana Pilsbry - Jeff Davis.

Humboldtiana texana Pilsbry - Terrell.

Humboldtiana ultima Pilsbry - Culberson.

Humboldtiana sp. - Presidio.

Sonorella hachitana orientis Pilsbry - Presidio.

Family Achatinidae

Rumina decollata (Linné) - Brewster, Irion, Runnels, Comal, Scurry, Coryell, Terrell, Menard, Uvalde.

Family Spiraxidae

Pseudosubulina cheatumi Pilsbry - Brewster.

Euglandina singleyana (Binney) - Comal, Kimble, Val Verde, Terrell.

Family Helicidae

Helix aspersa Müller - Brewster.

Otala lactea Müller - Coryell.

Family Bulimulidae

Rhabdotus alternatus alternatus (Say) - Val Verde.

Rhabdotus alternatus hesperius (Pilsbry and Ferriss) - Brewster, Presidio, Terrell, Sutton, Val Verde.

Rhabdotus dealbatus dealbatus (Say) - Kimble, Mason, Coryell, McCulloch, San Saba.

Rhabdotus dealbatus ragsdalei (Pilsbry) - Kinney, Hamilton, Val Verde, Crockett, Terrell, Erath, Palo Pinto.

Rhabdotus dealbatus neomexicanus (Pilsbry) - Culberson.

Rhabdotus mooreanus (W.G. Binney) - Crockett, Kinney, Brewster, Val Verde, Uvalde, Callahan, San Saba, Mills, Kimble.

Rhabdotus pasonis (Pilsbry) - Brewster, Presidio.

Rhabdotus pilsbryi Ferriss - Terrell, Brewster.

Family Sagdidae

Thysanophora horni (Gabb) - Brewster, Uvalde, Jeff Davis, Culberson, Presidio, Sutton.

Microphysula ingersolli (Bland) - Brewster.

Family Polygyridae

Ashmunella bequaerti Clench & Miller - Jeff Davis.

Ashmunella carlsbadensis Pilsbry - Culberson.

Ashmunella edithae (Pilsbry and Cheatum) - Culberson.

Ashmunella mudgii Cheatum - Jeff Davis.

Mesodon roemeri (Pfeiffer) - Mason, McCulloch, San Saba, Menard.

Polygyra auriformis Bland - Kimble, San Saba, Mason.

Polygyra chisosensis Pilsbry - Brewster.

Polygyra hippocrepis (Pfeiffer) - Comal.

Polygyra mooreana (Binney) - Uvalde, Comal, Hamilton, Kimble, Mason, San Saba.

Polygyra tamaulipasensis Lea - Val Verde, McCulloch, Pecos, Kimble, Uvalde, Terrell, Brewster.

Polygyra tamaulipasensis X P. t. *texasensis* - Hamilton, Sutton.

Polygyra texasiana texasiana (Moricand) - Brewster, McCulloch, Kimble, Kinney, Scurry, Val Verde, Runnels, Tom Green, San Saba, Uvalde, Coleman, Hamilton, Coryell, Taylor, Shackelford, Mitchell, Palo Pinto, Somervell.

Polygyra texasiana texasensis Pilsbry - San Saba, McCulloch, Uvalde, Kimble, Val Verde, Crockett.

Polygyra tholus (Binney) - Kimble, San Saba, Mason.

Praticolella berlandieriana (Moricand) - Comal, Hamilton, San Saba, Somervell.

Praticolella pachyloma (Menke) - Coryell.

Stenotrema leai aliciae (Pilsbry) - Mason, Kimble, McCulloch.

Family Strobilopsidae

Strobilops labyrinthica (Say) - Culberson, Hamilton.

Strobilops texana (Pilsbry & Ferriss) - Hamilton, Uvalde, San Saba, Somervell.

Family Philomycidae

Pallifera sp. - Brewster.

Family Endodontidae

Radiodiscus millecostatus Pilsbry & Ferriss - Brewster.

Pupoides albilabris (C. B. Adams) - Brewster, Scurry, Culberson, McCulloch, Hamilton, Crockett, Uvalde, Hudspeth, Presidio, Sutton, Terrell, Callahan.

Pupoides hordaceus (Gabb) - Culberson, Presidio.

Vertigo milium (Gould) - Culberson.

Vertigo ovata Say - Culberson, Hamilton, Presidio, Brewster.

Family Succineidae

Catinella texana Hubricht - Crockett, Mason, Scurry.

Succinea solastra Hubricht - Brewster.

Succinea luteola Gould - Kinney, Crockett, Val Verde, Brewster, Irion, Runnels, Jeff Davis.

Succinea grosvenori Lea - Howard, Kimble, Jeff Davis, King.

Succinea sp. - Val Verde, Brewster, Presidio.

LITERATURE CITED

METCALF, Artie (1970) Field Journal of Henry A. Pilsbry pertaining to New Mexico and Trans-Pecos Texas. -- *Sterkiana* 39:23-37.

PILSBRY, Henry (1946) Land Mollusca of North America (North of Mexico). -- *Acad. Nat. Sci. Phila.*, Monogr. III, 2(1): 124-125.

ACCEPTED FOR PUBLICATION MARCH 2, 1972.

ERRATA - STERKIANA 45, P. 33.

The Editor regrets the omission of the following after *Vertigo alabamensis alabamensis* Clapp:

Vertigo alabamensis conecuhensis Clapp

Please note accordingly on copies of *Sterkiana* No. 45, p. 33, right hand column.