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CHECK LIST OF RECENT UTAH MOLLUSCA

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INTRODUCTION

The "Descriptive Catalog of the Mollusca of Utah" appeared in print in 1929, the product of the senior author and Dr. David T. Jones. In recent years molluscan work has been carried on at the University by Dr. Jones and his co-workers, notably Elmer G. Berry, Edward Lowrance, Jack P. Woolstenhulme and the present junior author. Since 1945 the latter has been collecting data with a view toward a thorough-going revision of the 1929 work. Such a revision has been necessitated by the number of new forms described from the state, the revision of several important groups of mollusca by several authors, the work of other western malacologists, especially in the intermountain area, and the recent concepts in taxonomic work.

It does not seem likely that such a revision will see print for some time, and so it has been thought best to issue this check list in the meanwhile. The junior author is currently revising a set of keys to the Utah mollusca which will be published as soon as they are completed. It is hoped that with the check list and keys at hand work on our molluscan fauna may proceed at a more rapid rate.

In order not to burden the check list with text material all literature citations and discussions of controversial points of view have been omitted entirely. The list of references at the end of the list will lead the interested person to the more important works concerned in compiling the check list. In the main the authors have endeavored to follow what seemed to be the accepted current usage in nomenclature, drawing upon recent revisions wherever available. This should not be construed to mean our complete acceptance of such usage, however.

An * indicates a species or subspecies described as new since the publication the "Mollusca of Utah," or a form not recognized as distinct in that work. A ? indicates a record of doubtful status.

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CHECK LIST OF RECENT UTAH MOLLUSCA

By RALPH V. CHAMBERLIN and ERNEST J. ROSCOE

Class PELECYPODA

Family UNIONIDAE

Subfamily Anodontinae

Genus ANODONTA Lamarck

Anodonta californiensis Lea

Anodonta nuttalliana Lea

Anodonta oregonensis Lea

Anodonta wahlamettensis Lea

A. wahlamettensis Lea, Chamberlin and Jones (1929).

Family MARGARITIFERIDAE

Genus MARGARITIFERA Schumacher

Margaritifera margaritifera falcata (Gould)

Margaritana margaritifera Linnaeus, Chamberlin and Jones (1929).

Family SPHAERIIDAE

Genus SPHAERIUM Scopoli

Sphaerium dentatum (Haldeman) ?

Sphaerium mormonicum Sowerby ?

Sphaerium pilsbryanum Sterki

Sphaerium uintaense Call

Musculium uintaense (Call), Chamberlin and Jones (1929).

Genus MUSCULIUM Link

Musculium ryckholti raymondi (Cooper)

Musculium ryckholti (Normand)

M. raymondi (J. G. Cooper), Chamberlin and Jones (1929).

Musculium truncatum (Linsley)

Genus PISIDIUM Pfeiffer

Pisidium abditum Haldeman

Pisidium compressum Prime

Pisidium concinnulum Sterki

Pisidium huachucanum Pilsbry and Ferriss

Pisidium marci Sterki

***Pisidium mirum** Sterki

Pisidium variable Prime

Class GASTROPODA

Terrestrial Species

Family CAMAENIDAE

Genus OREOHELIX Pilsbry

- Oreohelix eurekensis* Henderson and Daniels
 **Oreohelix eurekensis uinta* Brooks
Oreohelix haydeni (Gabb)
Oreohelix haydeni corrugata Henderson and Daniels
Oreohelix haydeni hybrida (Hemphill)
Oreohelix haydeni oquirrhensis (Hemphill)
 Includes forms *gabbiana* and *utahensis*.
 **Oreohelix howardi* Jones
Oreohelix peripherica (Ancey)
Oreohelix peripherica newcombi ("Hemphill" W. G. Binney)
Oreohelix peripherica wasatchensis ("Hemphill" W. G. Binney)
 **Oreohelix peripherica weberiana* Pilsbry
 **Oreohelix parawanensis* Gregg
Oreohelix strigosa buttoni (Hemphill)
Oreohelix strigosa depressa (Cockerell)
 Includes form *carnea* and subspecies *tooelensis*.
Oreohelix strigosa fragilis (Hemphill)
Oreohelix subrudis ("Pfeiffer" Reeve)
 Includes some of the records under *O. cooperi* (Binney), Chamberlin and Jones (1939).
Oreohelix subrudis rugosa (Hemphill)
O. rugosa (Hemphill), Chamberlin and Jones (1929).
 **Oreohelix yavapai cummingsi* "Ferriss" Pilsbry

Family VALLONIIDAE

Genus VALLONIA Risso

- Vallonia albula* Sterki
Vallonia cyclophorella Ancey
Vallonia gracilicosta Reinhard
 **Vallonia perspectiva* Sterki
Vallonia pulchella (Müller)

Family SAGIDAE

Genus MICROPHYSULA Cockerell and Pilsbry

- Microphysula ingersolli* (Bland)
 **Microphysula ingersolli meridionalis* Pilsbry and Ferriss

Family PUPILLIDAE

Genus GASTROCOPTA Wollaston

- **Gastrocopta ashmuni* (Sterki)
 **Gastrocopta pilsbryana* (Sterki)
Pupilla stoneri Chamberlin and Jones (holotype).
 **Gastrocopta quadridens* Pilsbry

Genus PUPOIDES Pfeiffer

- Pupoides hordaceous** (Gabb)
Pupoides eupleura Chamberlin and Berry
pupoides marginatus (Say)

Genus PUPILLA Leach

- Pupilla blandi** Morse
Pupilla hebes (Ancey)
Pupilla muscorum (Linnaeus)
Pupilla syngenes (Pilsbry)
Pupilla syngenes dextroversa (Pilsbry and Ferriss)

Genus VERTIGO Draparnaud

- Vertigo concinnula** (Cockerell)
Vertigo elatior Sterki
***Vertigo gouldii arizonensis** Pilsbry and Vanatta
Pupilla stoneri Chamberlin and Jones, (paratypes).
Vertigo gouldii coloradensis (Cockerell)
Vertigo coloradensis (Cockerell), Chamberlin and Jones (1929).
Vertigo columbiana utahensis Sterki.
Vertigo modesta corpulenta (Morse)
***Vertigo modesta insculpta** Pilsbry
Vertigo modesta parietalis (Ancey)
***Vertigo ovata** (Say)

Genus COLUMELLA Westerlund

- Columella alticola** (Ingersoll)

Family COCHLICOPIDAE

Genus COCHLICOPA Ferussac

- Cochlicopa lubrica** (Müller)

Family ENDODONTIDAE

Genus DISCUS Fitzinger

- Discus cronkhitei cronkhitei** (Newcomb)
Gonyodiscus cronkhitei (Newcomb), Chamberlin and Jones (1929).
Discus cronkhitei anthonyi (Pilsbry)
Gonyodiscus cronkhitei anthonyi (Pilsbry), Chamberlin and Jones (1929).
Discus shimeki cockerelli (Pilsbry)
Gonyodiscus shimeki cockerelli (Pilsbry), Chamberlin and Jones (1929).

Genus HELICODISCUS Morse

- Helicodiscus eigenmanni** Pilsbry

Genus PUNCTUM Morse

- **Punctum minutissimum* (Lea)
Punctum pygmaeum (Draparnaud) ?

Family ZONITIDAE

Genus VITRINA Draparnaud

Vitrina alaskana Dall

Genus ZONITOIDES Lehman

- Zonitoides arboreus* (Say)
Z. arborea (Say), Chamberlin and Jones (1929).
Zonitoides nitidus (Müller)
Z. nitida (Müller)

Genus RETINELLA Shuttleworth

- **Retinella electrina* (Gould)
Retinella indentata indentata (Say) ?
Vitreola indentata (Say), Chamberlin and Jones (1929).
 **Retinella indentata paucilirata* (Morelet)
 Utah records of *V. indentata* may fall here.
R. indentata umbilicata (Singley).

Genus EUCONULUS Reinhardt

- **Euconulus fulvus fulvus* (Müller)
Euconulus fulvus alaskensis (Pilsbry)

Genus HAWAIIA Gude

- **Hawaiiia minuscula minuscula* (Binney)
 **Hawaiiia minuscula neomexicana* Cockerell and Pilsbry

Genus PRISTILOMA Ancey

- Pristiloma (Ogaridiscus) subrupicola subrupicola* (Dall)
Ogaridiscus subrupicola (Dall), Chamberlin and Jones (1929).

Family LIMACIDAE

Genus LIMAX Linnaeus

Limax maximus Linnaeus

Genus DEROCERAS Rafinesque

- Deroceras agreste* (Linnaeus)
Agriolimax agrestis (Linnaeus), Chamberlin and Jones (1929).
Deroceras gracile Rafinesque
Agriolimax campestris (Binney), Chamberlin and Jones (1929).

Family SUCCINEIDAE

Genus SUCCINEA Draparnaud

Succinea avara Say
Succinea grosvenori Lea
Succinea hawkinsi Binney ?
Succinea haydeni Binney
Succinea nuttalliana Lea
Succinea oregonensis Lea
Succinea refusa Lea
Succinea rusticana Gould
Succinea sillimani Bland

Aquatic Species

Family LYMNAEIDAE

Genus LYMNAEA Lamarck

**Lymnaea glabra* (Müller)
 Introduced.
Lymnaea lepida Gould ?
Lymnaea (Radix) auricularia (Linnaeus)
Lymnaea stagnalis appressa Say
L. s. jugularis Say, Chamberlin and Jones (1929).

Genus STAGNICOLA Leach

**Stagnicola bulimoides bulimoides* (Lea)
 **Stagnicola bulimoides cassi* (Baker)
 **Stagnicola bulimoides techella* (Haldeman)
Stagnicola caperata (Say)
 **Stagnicola hemphilli* Baker
 **Stagnicola impedita* Baker
Stagnicola kingii (Meek)
Polyhytys utahensis (Call), Chamberlin and Jones (1929).
 **Stagnicola palustris buttoni* Baker
Stagnicola palustris haydeni (Lea) ?
Stagnicola palustris nuttalliana (Lea)
Stagnicola palustris wyomingensis Baker
Stagnicola proxima (Lea)
Stagnicola sumassi (Baird)
Stagnicola traski (Tryon)

Genus FOSSARIA Westerlund

Fossaria modicella (Say)
Fossaria modicella rustica (Lea)
Fossaria obrussa (Say)
Fossaria parva (Lea)

Family PHYSIDAE

Genus PHYSA Draparnaud

- Physa ampullacea** Gould
Physella ampullacea Gould, Chamberlin and Jones (1929).
- ***Physa elliptica** Lea ?
Physa gyrina (Say). Introduced.
- ***Physa propinqua** Tryon
- ***Physa salina** Clench
Physa utahensis Clench
Physella utahensis (Clench), Chamberlin and Jones (1929).
- Physa virgata** Gould
Physella virgata (Gould), Chamberlin and Jones (1929).
- ***Physa virgata interioris** Ferriss

Genus PETROPHSA Pilsbry

Petrophysa zionis Pilsbry

Genus APLEXA Fleming

- Aplexa hypnorum hypnorum** (Linnaeus)
- ***Aplexa hypnorum pilsbryi** Brooks
- ***Aplexa microstriata** Chamberlin and Berry

Family PLANORBIDAE

Genus HELISOMA Swainson

- Helisoma binneyi** (Tryon) ?
Helisoma trivolvis binneyi (Tryon), Chamberlin and Jones (1929).
- Helisoma hornii** (Tryon) ?
Helisoma trivolvis horni (Tryon), Chamberlin and Jones (1929).
- ***Helisoma subcrenatum subcrenatum** (Carpenter)
- Helisoma trivolvis trivolvis** (Say) ?
- Helisoma trivolvis plexatus** (Ingersoll)

Genus CARINIFEX W. G. Binney

- Carinifex newberryi** (Lea)
- Carinifex atopus** Chamberlin and Jones ?

Genus GYRAULUS Charpentier

- Gyraulus parvus** (Say) ?
- Gyraulus similaris** (F. C. Baker)
- Gyraulus vermicularis** (Gould)

Genus MENETUS H. and A. Adams

- Menetus (Promenetus) exacuus** (Say)
- ***Menetus (Promenetus) umbilicatellus** (Cockerell)

Family ANCYLIDAE

Genus FERRISSIA Walker

Ferrissia rivularis (Say)

Family AMNICOLIDAE

Genus AMNICOLA Gould and Haldeman

Amnicola limosa (Say)

Amnicola longinqua Gould

Paludestrina longinqua (Gould), Chamberlin and Jones (1929).

Amnicola deserta Pilsbry

Genus HYDROBIA Hartmann

Hydrobia protea (Gould)

Paludestrina protea (Gould), Chamberlin and Jones (1929).

Genus FLUMINICOLA Stimpson

Fluminicola fusca (Haldeman)

Fluminicola seminalis (Hinds)

Family VALVATIDAE

Genus VALVATA Muller

Valvata humeralis californica Pilsbry

Valvata utahensis (Call)

Family VIVIPARIDAE

Genus VIVIPARUS Lamarck

**Viviparus malleata* (Reeve)

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