

A CHECKLIST OF WYOMING RECENT MOLLUSCA

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The following list of Wyoming Recent Mollusca conforms in style to the arrangement advocated by Dr. Aurèle La Rocque for the preparation of preliminary state or areal lists. References have been reduced to a minimum, using the publications of Junius Henderson (1918, 1924, 1936) as the basis of the list plus the subsequent records of others. The references in the text are given by author, date, and page. The complete references are to be found at the end of the list, and from them the synonymy can be obtained. Parentheses around a name indicate that the entity is erroneously reported for Wyoming; a question mark preceding a name indicates an entity doubtfully present or of doubtful systematic status.

1. NAIADES

1. LAMPILIS VENTRICOSA (Barnes) 1923. Henderson 1918: 42, Laramie River below Uva. Henderson 1924: 83.

2. MARGARITIFERA MARGARITIFERA (Linnaeus). Henderson 1935: 107, Snake River at mouth of Flat Creek. Taylor 1952: 43. Beetle 1957: 16.

3. (MARGARITIFERA MARGARITIFERA FALCATA Gould). Henderson 1936: 82, Bear River at Evanston. This is a color form in the Rocky Mountains and is included in the synonymy of *M. margaritifera*.

2. SPHAERIIDAE

4. PISIDIUM CASERTANUM (Poli) 1791. Beetle 1954: 35, Middle Fork of Crow Creek; 1957: 16; Beetle, in press.

5. PISIDIUM COMPRESSUM (Prime) 1851.

Henderson 1936: 86, 5 miles west of Evanston. Beetle 1954: 35; 1960: 157.

6. PISIDIUM CONCINNULUM (Sterki). Henderson 1933: 2, Yellowstone Park. Taylor 1952: 43.

7. (PISIDIUM CONTORTUM PRIME). Beetle 1954: 125. Corrected to *P. casertanum*, Beetle 1954: 35.

8. PISIDIUM FERRUGINEUM (Prime) 1851. Beetle 1960: 157, Libbey Creek, Albany Co.

9. PISIDIUM LILLJEBORGII (Clessin). Henderson 1936: 86, implied.

10. PISIDIUM LUCIDUM (Sterki). Henderson 1924: 99; 15 miles east of Evanston.

11. PISIDIUM MILIUM (Sterki). Henderson 1936: 86, implied.

12. PISIDIUM NITIDUM (Jenyns) 1832. Beetle 1960: 157, Texas Creek, Albany Co.

13. ?PISIDIUM OCCIDENTALE (Newcomb). Stearns 1891: 467, Bridger's Pass. Henderson 1924: 96. Doubtful.
14. PISIDIUM SUBTRUNCATUM (Malm). Beetle 1957: 16, Christian Meadows, Teton Co.
15. PISIDIUM VARIABILE (Prime) 1851. Beetle 1957: 16, Elk Island Jackson Lake.
16. PISIDIUM SP. Taylor 1952: 43, near Lava Creek, Yellowstone Park.
17. SPHAERIUM LACUSTRE RYCKHOLTI (Normand) 1844. Beetle 1957: 16, Swan Lake, Teton Co.; Beetle 1960: iii.
18. SPHAERIUM OCCIDENTALE (Prime) 1852. Beetle 1957: 16, Togwotee Pass.
19. SPHAERIUM STRIATINUM (Lamarck) 1818. Beetle 1954: 125, Laramie River at Laramie.
20. SPHAERIUM TUMIDUM (Baird). Henderson 1936: 84, Sheridan.
3. FRESH WATER PULMONATES
21. APLEXA HYPNORUM (Linnaeus) 1758. Henderson 1924: 188, 3 miles east of Lyman; 1933:3; 1936: 130. Beetle 1954:125; 1957:17.
22. (APLEXA HYPNORUM TRYONI (Carrier). Henderson 1924: 188, 10 miles west of Sage; Henderson 1936: 131. This is a color form that has been placed in the synonymy of *A. hypnorum*.
23. ARMIGER CRISTA (Linnaeus). Taylor 1952: 44, pond 1 mile southeast of Mammoth Hot Springs.
24. CARINIFEX JACKSONENSIS (Henderson) 1932. Henderson 1932: 133, Jackson Lake; 1936: 134. Baker 1945: 157. Beetle 1957: 17.
25. FERRISSIA RIVULARIS (Say) 1819. Henderson 1918: 42, Boxelder Creek northwest of Douglas; 1924: 189. Beetle 1954: 125.
26. FOSSARIA DALLI (F.C. Baker) 1906. Beetle 1960: 156, Barber Lake, Albany Co.;
- Beetle, in press. (As *Lymnaea (Galba) dalli*).
27. FOSSARIA DODDSI (F.C. Baker) 1911. Beetle 1960: 156, Dry Fork Canyon near Shell; Beetle, in press. (As *Lymnaea (Galba) doddsi*).
28. FOSSARIA MODICELLA (Say) 1825. Henderson 1918:42, Laramie River below Uva; 1924:166; 1936: 125. Beetle 1957:16; Beetle, in press. (As *Lymnaea humilis modicella*).
29. FOSSARIA MODICELLA RUSTICA (Lea) 1841. Henderson 1936: 125, Snake River at Flat Creek. Beetle 1957: 16; Beetle, in press. (As *Lymnaea humilis rustica*).
30. FOSSARIA OBRUSSA (Say) 1825. Henderson 1918: 42, Lodgepole Creek 13 miles north of Cheyenne; 1924: 167; 1936: 125. Beetle 1960: 84.
31. FOSSARIA PARVA (Lea) 1841. Henderson 1936: 125, slough north of Buffalo. Taylor 1952: 44. Beetle, in press.
32. GYRAULUS ARCTICUS Müller) 1842. Beetle 1957: 17, Leigh Lake on driftwood. (Corrected to *Promenetus umbilicatellus*, Beetle 1960: 156L.
33. GYRAULUS CIRCUMSTRIATUS (Tryon) 1866. Hibbard and Taylor 1960: 96, Wyoming. Beetle 1960: 84.
34. GYRAULUS PARVUS (Say) 1817. Henderson 1918: 42, Lodgepole Creek north of Cheyenne. 1924: 178. Beetle 1960: iii.
35. ?GYRAULUS SIMILARIS (Baker). Beetle 1957: 17, Snake River at mouth of Flat Creek. (Eq. *G. parvus*, fide Taylor).
36. ?GYRAULUS VERMICULARIS (Gould). Henderson 1933: 3, north of Moran; 1936: 135. Beetle 1954: 125; 1957: 17. (Eq. *G. parvus*, fide Taylor).
37. GYRAULUS SP. Taylor 1952: 44.
38. HELISOMA ANCEPS (Menke) 1830. Walker 09: 24, Yellowstone Park. Henderson 1924: 177; 1936: 131. (As *H. antrosus* Conrad).

39. *HELISOMA SUBCRENATUM* (Carpenter). Beetle 1957: 17, Flagg Ranch, Teton County; Beetle, in press.
40. *HELISOMA SUBCRENATUM DISJECTUM* (Cooper). Beetle 1957: 17, Gladel Creek, Teton County.
41. *HELISOMA SUBCRENATUM PERDISJUNCTUM* (Baker) 1945. Baker 1945: 224, Yellowstone Lake. Taylor 1952: 44.
42. *HELISOMA TRIVOLVIS* (Say) 1817. Henderson 1936: 133, '... erroneously recorded for Rocky Mts.' Beetle 1954: 125, Spring Creek, Laramie; 1957: 16; Beetle, in press.
43. *HELISOMA TRIVOLVIS MACROSTOMUM* (Whiteaves). Beetle 1957: 16, Two Ocean Lake.
44. *LYMNAEA HINKLEYI* (F.C. Baker) 1906. Taylor 1952: 44, promontory on east side of West Thumb, Yellowstone Lake.
45. *LYMNAEA STAGNALIS JUGULARIS* (Say) 1817. Henderson 1933: 3, Swan Lake, Yellowstone Park; 1936: 115. Taylor 1952: 43. Beetle 1954: 125; 1957: 16 (As *L. stagnalis appressa*).
46. *LYMNAEA SP.* Brues 1924: 15, Yellowstone Canyon far below the lower falls. Taylor 1952: 44.
47. *MENETUS COLORADOENSIS* (Baker) 1945. A synonym of *Promenetus exacuus*, fide Taylor.
48. *PHYSA AMPULLACEA* (Gould) 1854. Henderson 1924: 182, 10 miles north of Sage; 1936: 126 ... *ampullacea* is limited to the west coast -- *gouldi* occurs in the Rockies and east according to Clench. Beetle 1954: 125; 1957: 17; Beetle, in press.
49. *PHYSA ANATINA* (Lea) 1864. Henderson 1918: 42, east of Shell; 1924: 182. Beetle 1957: 17; 1960: iii.
50. ?*PHYSA AUREA* (Lea). Brues 1924: 15, outlet of Firehole Lake (ad *P. heterostropha*, form *aurea*). Henderson 1933: 1, ... cites Brues
- record as *P. heterostropha* dwarf form, the same as described by Lea as *P. aurea* from hot springs at Bath, Va., and adds his *Physa* was almost certainly incorrectly determined. Henderson 1936: 127, doubtful. Taylor 1952: 44, as *Physa* sp.
51. *PHYSA BLANDI* (Lea). Henderson 1924: 182, Madison River in Yellowstone Park; 1933: 2; 1936: 128. Taylor 1952: 44.
52. ?*PHYSA FORSHEYI* (Lea). Beetle 1954: 125, Albany County; 1957: 17. Clench refers these collections to *P. smithiana*.
53. *PHYSA GOULDI* (Clench). Henderson 1936: 128 ... most Wyoming records? Clench 1935: 30.
54. *PHYSA GYRINA* (Say) 1821. Henderson 1918: 43, 6 miles northeast of Wheatland; 1924: 184. Beetle 1954: 25; 1957: 17.
55. *PHYSA INTEGRATA* (Haldeman) 1841. Henderson 1918: 42, Laramie River below Uva; 1924: 185 ... questions own record. Beetle 1960: iii.
56. (*PHYSA NUTTALLII* Lea). Henderson 1936: 129; Jay-Em Ranch south of Lusk; 1936: 86 ... 'with a large series of *Physas* from western localities at hand, ... concluded it would be better not to apply *nuttallii* to any specimens unless the types are available for comparison.'
57. ?*PHYSA PROPINQUA* (Tryon). Henderson 1936: 129, Reservoir 18 miles southeast of Sheridan.
58. ?*PHYSA SAYI* (Tappan) 1839. Ingersoll 1877: 132, Fort Bridger. Henderson 1918: 41; 1923: 186.
59. ?*PHYSA SAYI WARRENIANA* (Lea). Henderson 1918: 42, Lodgepole Creek north of Cheyenne; 1924: 186. Beetle 1957: 17.
60. *PHYSA SKINNERI* (Taylor) 1954. Beetle 1960: 157, Yellowstone Lake. Taylor 1960: 119; 1960: 63.

61. *PHYSA SMITHIANA* (Baker) 1920. Beetle 1960: iii
62. ?*PHYSA TRASKII* (Lea). Henderson 1933: 3, north of Moran. Eq. *P. virgata traskii*.
63. ?*PHYSA TRITICEA* (Lea). Henderson 1936: 129, ditch 1 mile north of Sheridan. Beetle 1954: 125.
64. ?*PHYSA VIRGATA TRASKII* (Lea). Henderson 1936: 130; Beetle 1957: 17.
65. ?*PHYSA WALKERI* (Crandall). Henderson 1918: 42.
66. *PHYSA WARRENIANA GOULDI* (Clench). Beetle 1957: 17, Snake River near Moran.
67. *PHYSA WOLFIANA* (Lea). Taylor 1952: 44, Lava Creek, Yellowstone Park.
68. *PLANORBULA CHRISTYI* (Dall). Beetle 1957: 17, pond near Jackson Lake dam.
69. *PROMENETUS EXACUOUS* (Say) 1821. Beetle 1951: 101, lily pond off Firehole River, Yellowstone Park. Taylor 1952: 44.
70. *PROMENETUS UMBILICATELLUS* (Cockerell) 1887. Beetle 1960: 156; Beetle, in press. Taylor 1960: 110.
71. *RADIX AURICULARIA* (Linnaeus) 1758. Beetle 1960: 73, Alsop Lake, Albany County.
72. *STAGNICOLA APICINA* (Lea) 1839. Baker 1911: 443, Laramie. Henderson 1918: 40; 1924: 172; 1936: 116 ... may be synonymous with *sclida* and not a Rocky Mt. form. Beetle 1957: 16.
73. *STAGNICOLA BINNEYI* (Tryon) 1865. Baker 1911: 440, Madison River at Riverside. Henderson 1918: 40; 1924: 172; 1936: 116. Taylor 1952: 44. Beetle 1957: 16.
74. (*STAGNICOLA BULIMOIDES* Lea 1841). Henderson 1933: 2, ... Stearns 1893 reported the Hayden Survey found this in Yellowstone Park ... doubtful. No *bulimoides* in Wyoming, Taylor, personal communication.
75. (*STAGNICOLA BULIMOIDES TECHELLA* (Haldeman) 1867). Henderson 1924: 164, 2 miles west of Burlington. No *bulimoides techella* in Wyoming, Taylor, personal communication.
76. *STAGNICOLA CAPERATA* (Say) 1829. Henderson 1918: 42, northwest of Wheatland; 1924: 165; 1933: 3; 1936: 118. Taylor 1952: 43. Beetle 1957: 16; Beetle, in press.
77. (*STAGNICOLA CAPERATA WARTHINI* (Baker) 1923). Baker 1923: 125, Upper Falls, Yellowstone River. Henderson 1924: 165; 1933: 1; 1936: 118. Taylor 1952: 45. Eq. *S. binneyi*. Franzen 1956: 25.
78. *STAGNICOLA COCKERELLI* (Pilsbry and Ferriss) 1906. Henderson 1918: 42, small reservoir 4 miles southwest of Arminta; 1924: 164. Beetle 1954: 125. Taylor 1960: 90.
79. (*STAGNICOLA ELRODIANA* (F.C. Baker) 1935). Henderson 1936: 120, Jenny Lake. Eq. *S. montana*. Eq. *S. binneyi*, fide Beetle.
80. (*STAGNICOLA HEMPHILLI* (Baker) 1934). Baker 1934: 19, Black Rock Butte. Sweetwater County. Henderson 1936: 118.
81. *STAGNICOLA JACKSONENSIS* (F.C. Baker) 1907. Baker 1907: 52, Jackson Lake; 1911: 405. Henderson 1924: 172; 1933: 1; 1936: 120. Beetle 1957: 16; Beetle, in press. Franzen 1958: 32.
82. (*STAGNICOLA MONTANA* Elrod 1901). Henderson 1933: 3, Jenny Lake; 1936: 120. Eq. *S. elrodiana*? Beetle 1957: 16, *S. binneyi*, fide Beetle.
83. *STAGNICOLA PALUSTRIS* (Müller) 1774. Henderson 1924: 168; Adaville Mine southwest of Kemmerer; 1936: 121 ... no sure *palustris* occurs in western U.S., fide Baker. Beetle 1954: 125; 1957: 16; Beetle, in press.
84. (*STAGNICOLA PALUSTRIS HAYDENI* (Lea) 1858). Henderson 1924: 170, 9 miles southwest of Riverton; 1933: 2; 1936: 122, eq. *L. palustris nuttalliana*. Brues 1924: 417, eq. *L. palustris*; 1932: 274, eq. *L. palustris haydeni*.

85. (*STAGNICOLA PALUSTRIS NUTTALLIANA* Lea 1841). Henderson 1933:2; 1936:122. Taylor 1952: 43 ... Brues record of *L. palustris* and 1932 record of *L. palustris haydeni* are synonyms.

86. *STAGNICOLA PALUSTRIS WYOMINGENSIS* (Baker) 1927. Baker 1927: 84, slough 10 miles south of Lander. Henderson 1933: 3; 1936: 123. Franzen 1956: 26. Beetle 1957: 16.

87. (*STAGNICOLA PROXIMA* (Lea) 1856). Baker 1911: 359, Alkali Springs 40 miles north of Almond, Sweetwater County. Henderson 1924: 171; 1936:123 ... Wyo. records of *L. proxima* = *L. palustris wyomingensis*, fide Baker.

88. (*STAGNICOLA TRASKII* Tryon). Baker 1911: 368, Black Rock Butte, Sweetwater County. Henderson 1924: 171; 1936: 123 ... confined to California. Eq. *S. palustris*, fide Hubendick.

4. FRESH WATER OPERCULATES

89. *AMNICOLA ROBUSTA* (Walker) 1908. Walker 1908: 97, Jackson Lake. Henderson 1924: 192; 1933:1; 1936: 137. Beetle 1957: 17.

90. *AMNICOLA SP.* Brues 1924: 418 Yellowstone Park. Taylor 1952: 43.

91. *FLUMINICOLA FUSCA* (Haldeman). Pilsbry 1899: 123, Black's Fork, Green River at Millsville. Henderson 1924: 192; 1936: 139. Beetle 1957: 17.

92. *HYDROBIA GREGGI* (Pilsbry) 1935. Pilsbry 1935: 91, Snake River at Hoback Creek. Henderson 1936: 138. Beetle 1957: 19.

93. *VALVATA HUMERALIS CALIFORNICA* (Pilsbry). Henderson 1933: 3, Jackson Lake; 1936: 140. Beetle 1957: 17.

94. *VALVATA LEWISI* (Currier) 1868. See *V. lewisi helicoidea* and *V. sincera*. 'A higher spire in the former is the principal distinction between *V. lewisi* and *V. lewisi helicoidea*' Taylor 1960: 49; Beetle 1960: iii.

95. (*VALVATA LEWISI HELICOIDEA* Dall). Beetle 1954: 125, Spring Creek, Laramie; 1957: 19. Eq. *V. lewisi*, fide Taylor.

96. (*VALVATA SINCERA* Say) 1824. Beetle 1954: 35, Little Laramie River near Quayly; 1957: 19. This collection eq. *V. lewisi* fide Taylor.

5. LAND GASTROPODA

97. *CIONELLA LUBRICA* (Müller) 1774. Beetle 1954: 125, S. Fork Pole Creek; 1957:16.

98. *COLUMELLA ALTICOLA* (Ingersoll) 1875. Hanna 1912: 373, Wyo. Henderson 1924: 140; 1936: 107. Pilsbry 1948: 1003. Beetle 1954: 125; 1957: 15; Beetle, in press.

99. *COLUMELLA EDENTULA* (Draparnaud) 1805. Beetle 1954: 125, S. Fork Pole Creek; Beetle, in press.

100. *DEROCERAS LAEVE* (Müller) 1774. Henderson 1918: 42, Lodgepole Creek north of Cheyenne (as *Agricolimax campestris*); 1924: 150; 1936: 114. Levi and Levi 1951: 60. Beetle 1954: 125; 1957: 14; Beetle, in press.

101. (*DEROCERAS LAEVE GRACILE* Rafinesque) 1820. Eq. *D. laeve*. Beetle 1957: 14, Snake River floodplain south of Wilson.

102. *DEROCERAS RETICULATUM* (Müller) 1774. Henderson 1933: 2, east of Mammoth (as *Agricolimax agrestis*); 1936: 114. Pilsbry 1948: 534. Beetle, in press.

103. *DISCUS CRONKHITTEI* (Newcomb) 1865. Henderson 1933: 47, 7 miles north of Moran; 1936: 106. Pilsbry 1948: 600. Levi and Levi 1951: 61. Beetle 1954: 125; 1957: 14; Beetle, in press.

104. *DISCUS SHIMEKI* (Pilsbry) 1890. Pilsbry 1948: 617, Cliff Creek Canyon, Sublette County. Levi and Levi 1951: 61. Beetle 1957: 14; Beetle, in press.

105. (*DISCUS SHIMEKI COCKERELLI* Pilsbry) 1898. Henderson 1936: 107, Curr Creek Canyon. Levi and Levi 1951: 61. Beetle 1957: 14; 1960: 84. Intergradation of characters with the species makes this subspecies untenable.
106. *EUCONULUS FULVUS* (Müller) 1774. Beetle 1954: 126; 1957: 13; Beetle, in press.
107. (*EUCONULUS FULVUS ALASKENSIS* Pilsbry) 1899. Henderson 1913: 38, North Fork of Clear Creek, Johnson County; 1924: 146; 1933: 2; 1936: 111. Levi and Levi 1951: 60. Beetle 1954: 126; 1957: 13. A growth form based on size alone. Beetle.
108. *GASTROCOPTA ARMIFERA* (Say) 1821. Beetle 1960: 155, cliffs at Guernsey Reservoir.
109. *HAWAIIA MINUSCULA* (Binney) 1840. Pilsbry 1946: 420, 7 miles south of Laramie. Beetle 1954: 126.
110. *MICROPHYSULA INGERSOLLI* (Bland) 1874. Henderson 1936: 101, Cliff Creek Canyon, Sublette County. Pilsbry 1940: 991. Levi and Levi 1951: 60. Beetle 1957: 13; 1960: 84.
111. *OREOHELIX CARINIFERA* (Pilsbry) 1912. Beetle 1957: 13, 15 miles south of Jackson; Beetle, in press.
112. *OREOHELIX PYGMAEA* (Pilsbry) 1913. Pilsbry 1913: 52, Shell Creek Canyon, Bighorn County. Henderson 1924: 117; 1936: 90. Beetle, in press.
113. *OREOHELIX PYGMAEA MACULATA* (Henderson) 1918. Henderson 1918: 45, White Creek and Shell Canyons (as *O. maculata*); 1924: 128; 1936: 90. Beetle, in press.
114. *OREOHELIX STRIGOSA BERRYI* (Pilsbry) 1915. Henderson 1933: 3, Clematis Gulch, Yellowstone Park; 1936: 93. Pilsbry 1939: 445.
115. (*OREOHELIX STRIGOSA COOPERI* Binney 1858). Henderson 1924: 113, Horse Creek Station, Laramie County. Beetle 1954: 125, fide Pilsbry. Pilsbry 1939: 444 ... Dissection of many individuals ... shows that the Black Hills *cooperi* is specifically distinct from the common snail of the Rocky Mountains ... now known as *O. subrudis*.
116. *OREOHELIX STRIGOSA DEPRESSA* (Cockerell) 1890. Bland and Cooper 1861: 367, Bighorn Mountains and west side of Wind River Mountains, Henderson 1924: 119; 1933: 3; 1936: 91. Pilsbry 1939: 429. Levi and Levi 1951: 60. Beetle 1957: 13.
117. *OREOHELIX SUBRUDIS* ("Pfeiffer," Reeve) 1854. Henderson 1933: 2, aspen grove 1 mile northwest of Mammoth Hotel; 1936: 92, ... most *strigosa cooperi* records belong here. Pilsbry 1939: 480. Levi and Levi 1951: 60. Beetle 1954: 125; 1957: 13.
118. (*OREOHELIX SUBRUDIS* form *MAXIMA* Pilsbry 1916). Pilsbry 1916: 351, Yellowstone Park; 1939: 489, ... based on size alone, of little taxonomic value. Henderson 1933: 1; 1936: 94.
119. (*OREOHELIX SUBRUDIS* form *OBSCURA* Henderson 1918). Henderson 1918: 45, White Creek Canyon; 1924: 116; 1936: 94. Pilsbry 1939: 490, ... distinguished only by color. Beetle, in press.
120. *OREOHELIX YAVAPAI EXTREMITATIS* (Pilsbry and Ferriss) 1911. Pilsbry 1913: 50, Shell and White Creek Canyons; 1939: 526. Henderson 1918: 45; 1924: 128; 1936: 94. Beetle, in press.
121. *OREOHELIX YAVAPAI MAGNICORNU* (Pilsbry) 1916. Pilsbry 1916: 141, Big Horn Canyon; 1939: 529. Henderson 1924: 122; 1936: 94. Beetle, in press.
122. *OXYLOMA DECAMPI GOULDI* (Pilsbry) 1948. Beetle 1957: 14, Bog off Snake River near Moran; Beetle, 1960: 84.
123. *OXYLOMA RETUSA* (Lea) 1834. Henderson 1936: 115, Cliff Creek Canyon. Levi and Levi 1951: 61. Beetle 1957: 14.
124. *PUNCTUM MINUTISSIMUM* (Lea) 1841. Henderson 1936: 108, Cliff Creek Canyon. Levi and Levi 1951: 61. Beetle 1957: 14; 1960: 84.
125. *PUPILLA BLANDI* (Morse) 1865. Henderson 1924: 135, 11 miles east of Evanston; 1936: 103. Levi and Levi 1951: 61. Beetle 1954: 125; 1957: 15; Beetle, in press.
126. *PUPILLA HEBES* (Ancey) 1881. Henderson 1936: 103, Chimney Rock, Albany County. Pilsbry 1948: 936. Beetle 1954: 125; 1957: 15.

127. PUPILLA MUSCORUM (Linnaeus) 1758. Henderson 1913: 38, N. Fork of Clear Creek, Johnson County; 1924: 133; 1933: 2; 1936: 103. Levi and Levi 1951: 61. Beetle 1954: 125; 1957: 15; Beetle, in press.

128. (PUPILLA MUSCORUM form XEROBIA Pilsbry 1914). Henderson 1918: 41, East of Shell; 1924: 133. Pilsbry 1948: 933 ... an arid station hunger form.

129. PUPILLA SYNGENES form DEXTROVERSA (Pilsbry and Vanatta) 1900. Beetle 1960: 155, 5 miles east of Thermopolis.

130. PUPOIDES HORDACEUS (Gabb) 1866. Beetle 1960: 155, cliffs above Guernsey Reservoir.

131. RETINELLA BINNEYANA (Morse) 1864. Henderson 1936: 110, west of Buffalo. Beetle, in press.

132. RETINELLA BINNEYANA OCCIDENTALIS (H. B. Baker) 1930. Beetle 1954: 125, South Fork of Pole Creek; 1957: 14; Beetle, in press.

133. RETINELLA ELECTRINA (Gould) 1841. Pilsbry 1946: 256, Fort Bridger. Levi and Levi 1951: 60. Beetle 1957: 14; 1960: 84.

134. SUCCINEA AVARA (Say) 1824. Henderson 1924: 159, southwest of Sage; 1936: 114. Levi and Levi 1951: 61. Beetle 1957: 14; 1960: 84.

135. SUCCINEA GROSVENORI (Lea) 1864. Beetle 1957: 14, Grand Canyon of Snake River near Hoback.

136. (SUCCINEA OREGONENSIS GABBI (Tryon) 1865.) Pilsbry 1898: 144, Wyoming. Henderson 1924: 161. Pilsbry 1948: 841, 842 ... (The type lot of gabbi consists of 3 dead shells. Oregonensis is described from a single shell, not collected again. Both bear a great resemblance to S. avara.)

137. SUCCINEA STRETCHIANA (Bland) 1865. Pilsbry 1948: 825, Green River. Beetle 1954: 125; 1957: 14; Beetle, in press.

138. VALLONIA ALBULA (Sterki) 1893. Henderson 1924: 101, Uva; 1936: 100. Beetle 1954: 125; 1957: 15; Beetle, in press.

139. VALLONIA COSTATA (Müller) 1774. Beetle 1960: 155, Ayers Natural Bridge near Douglas.

140. VALLONIA CYCLOPHORELLA (Ancey) 1892. Henderson 1924: 102, Lodgepole Creek north of Cheyenne; 1933: 2; 1936: 100. Pilsbry 1948: 1035. Levi and Levi 1951: 61. Beetle 1954: 125; 1957: 15; Hibbard and Taylor 1960: 136. Beetle, in press.

141. VALLONIA EXCENTRICA (Sterki) 1893. Beetle 1960: 155, Thermopolis.

142. VALLONIA GRACILICOSTA (Reinhardt) 1882. Henderson 1918: 42, Lodgepole Creek north of Cheyenne; 1924: 102; 1936: 100. Pilsbry 1948: 1028. Beetle 1954: 125; 1957: 15; Beetle, in press.

143. (VALLONIA GRACILICOSTA form MONTANA (Sterki) 1893. Pilsbry 1948: 1030, ... an ecologic or other form ... Usually it has not been thought desirable to attempt the assortment of mixed lots of gracilicosta and montana.)

144. VALLONIA PULCHELLA (Müller) 1774. Henderson 1936: 101, Sheridan. Pilsbry 1948: 1023. Beetle 1954: 125; Beetle, in press.

145. VERTIGO CONCINNULA (Cockerell) 1897. Pilsbry 1948: 978, 29 miles south of Jackson. Levi and Levi 1951: 61. Beetle 1954: 125; 1957: 15; Beetle, in press.

146. VERTIGO GOULDI BASIDENS (Pilsbry and Vanatta) 1900. Beetle 1957: 15, Hoback Canyon; Beetle, in press.

147. VERTIGO GOULDI COLORADENSIS (Cockerell) 1891. Beetle 1954: 125, South Fork of Pole Creek; 1957: 15.

148. VERTIGO MODESTA (Say) 1824. Beetle 1954: 125, Middle Fork of Little Laramie River; 1957: 15; Beetle, in press.

149. *VERTIGO MODESTA* form *PARIETALIS* (Ancey) 1887). Beetle 1954: 125, Middle Fork of Little Laramie River; 1957: 16. The range of variation makes this form of little value, Beetle.

150. *VERTIGO OVATA* (Say) 1822. Beetle 1960: 155, Little Laramie River near Centennial.

151. *VITRINA ALASKANA* (Dall) 1906. Henderson 1918: 42, north of Uva; 1924: 141; 1933: 2; 193

2; 1936: 108. Pilsbry 1946: 503. Levi and Levi 1951: 60. Beetle 1954: 125; 1957: 14; Beetle, in press.

152. *ZONITOIDES ARBOREUS* (Say) 1816. Henderson 1918: 42, below Uva; 1924: 147; 1933: 2; 1936: 109; Levi and Levi 1951: 60. Beetle 1954: 125; 1957: 14; Beetle, in press.

153. *ZOOGENETES HARPA* (Say) 1824. Pilsbry 1948: 1043, Shoshone Canyon 1 mile west of Elephant Head, Park County. Levi and Levi 1951: 61. Beetle 1954: 125; 1957: 16.

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----- (1907) Two New Species of *Lymnaea*. -- *Nautilus* 21: 51-55.

----- (1911) The Lymnaeidae of North and Middle America, Recent and Fossil. -- Spec. Publ. No. 3, Chicago Acad. Sci., i-xvi + 539 pp.

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