

ADDITIONS AND EMENDATIONS TO UNITED STATES
NATIONAL MUSEUM BULLETIN NO. 112.

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With the publication of United States National Museum Bulletin 112 containing a summary of the shell bearing mollusca of the Northwest coast from San Diego northward, with their geographical distribution so far as at that time determined, it was hoped that additional information would be brought out, minor errors corrected, and more light thrown on the whole subject. This has usually been the case when such lists have heretofore been published, and it was expected that the sequel to this one would prove no exception.

This expectation has not been disappointed and a sufficient number of data have accumulated to make desirable a brief supplement to the bulletin in question. Should additional material come in later, a second supplement may be added at some future time. Meanwhile I desire to express my thanks to the correspondents who have kindly furnished information herein presented, and to hope that their useful collaboration may continue indefinitely.

After the entire bulletin was in type and the proof read in November, 1920, and immediate publication expected, a delay was experienced, so that actual publication did not take place until February, 1921. Consequently all names in the bulletin dated "Dall, 1920," should read "Dall, 1921." Other changes follow:

Page 10. *Leda acuta*, add "Also Atlantic."

Page 16. *Barbatia solida*, add "San Pedro, Chace."

Section *Acar*, add: *Barbatia reevcana* Orbigny, Voy. Am. MÉR., p. 635,

1846; Conch. Icon., *Arca*, pl. 14. fig. 60, 1844; Balboa, Calif., Dr.

Tremper; Mazatlan, Lowe; south to Payta, Peru. *Scapharca multicostrata*, add "Balboa, Calif. Dr. Tremper."

Page 17. *Atrina oldroydi*, add "San Onofre, Calif., White."

Page 18. *Ostrea lurida*, for "vol. 12" read "vol. 13."

After Pectinacea, insert "Family Pectinidae."

- Page 19. *Chlamys fucicolus*, strike out reference to the *Sulphur* voyage and insert "Arnold, Tert, Pectens, Calif., p. 131, pl. 46, fig. 8, 1906."
- Page 23. It now appears that *Musculus* was used by Martyn binomially in its ancient significance for *Mytilus* eleven years before Bolten, so we happily can return to the familiar generic name *Modiolaria* for the species of this group.
- Page 24. *Crenella decussata*, add "also Atlantic."
- Page 25. *Cyathodonta pedroana*, read "Dall, 1915."
- Page 30. *Astarte globosa*, read Reeve "vol. 2."
- Page 35. *Lucinoma "densilincata,"* read "*densilirata.*"
- Page 41. *Pachydesma stultorum*, add "Halfmoon Bay, Weymouth."
Amiantis callosa, add "Santa Monica, Weymouth."
- Page 42. *Saxidomus nuttallii*, add "Humboldt Bay, Weymouth."
Chione fluctifraga and *succincta*, add "Mugu Bay, White."
- Page 49. *Donax gouldii*, add "San Luis Obispo, Weymouth."
Donax californica, add "Mugu Bay, White."
- Page 50. *Sanguinolaria*, add "Mugu Bay, White."
- Page 52. *Hemimactra falcata*, add "Newport, Calif."
- Page 54. *Cyrtodaria kurriana*, read "1861."
- Page 55. Add "*Rocellaria sp.*, San Diego, Calif., Orcutt."
- Page 56. Under *Xylophaga* add "*Xylophaga californica* Bartsch, 1921; Proc. Biol. Soc. Washington, vol. 34, p. 32, off Point Pinos, Cal., in 78 to 108 fathoms. Also: *Xylophaga washingtonia* Bartsch, 1921, same reference, Departure Bay, B. C., to coast of Washington. Also: under *Teredo*, "*Teredo beachi* Bartsch, 1921, Proc. Biol. Soc. Wash., vol. 34, p. 29; Bull. U. S. Nat. Mus. 122, p. 18, pl. 20, fig. 1, pl. 32, fig. 4, 1922, San Francisco Bay." Add *Teredo (Lyrodus) townsendi* Bartsch, Bull. U. S. Nat. Mus. 122, p. 26, pl. 22, fig. 2; pl. 33, fig. 2, 1922, Southern San Francisco Bay. Also: to *Teredo (Teredops) diegensis* add "Bull. U. S. Nat. Mus. 122, p. 29, pl. 22, fig. 3; pl. 34, fig. 3, 1922." The true *Teredo navalis* of Europe is not a resident of the Pacific Ocean.
- Page 59. Read *Cymbuliidae*.
- Page 60. *Rictaxis punctocoelata*, add "Departure Bay, B. C."
- Page 61. *Acteocina culcitella*, add "San Diego, Strong."
Acteocina infrequens, fossil at Santa Monica, living Cape San Lucas to Panama.
- Page 62. Above "Genus *Diaphana*" insert "Family Diaphanidae."
- Page 66. *Liriola thersites*, second line, read "*Ann. Mag.*"
- Page 71. *Antiplanes rotula*, add "*smithi* Arnold, not Forbes."
- Page 76. *Lora woodiana*, for "strait" read "sea."
- Page 86. For "*Merovia*" read "*Cypraeolina* Cerulli-Irelli, 1911."
- Page 90. *Beringius kennicottii*, for "Dall, 1907," read "Dall, 1871."
- Page 96. *Latisipho ualli*, read "*Latisipho halli.*"
- Page 103. Under *Columbella*, insert "*Columbella fuscata* Sowerby, 1832, Proc. Zool. Soc., p. 117; Thes. Conch., *Columbella*, p. 114, pl. 36, figs. 21, 25, 1847. La Jolla, Calif. (Orcutt) to Ecuador."
- Page 111. Under *Thais* insert "*Thais biserialis* Blainville, 1832; Nouv. Ann. du Mus. de Paris, p. 50, pl. 11, fig. 11, La Jolla (Orcutt) to Peru."
Neptunca tenuisculpta, add "Bull. Am. Pal. VIII, No. 36, p. 5, pl. 1, fig. 6-9, 1921."
- Page 113. *Pseudomurex costata* read "p. 231."
- Page 114. *Opalia evicta*, vol. 44, read "vol. 64."

- Page 117. For *Janthina exigua*, etc. read "*Janthina bifida* Nuttall, Jay Cat., p. 68, 1839; Conch. Icon., *Janthina*, fig. 25^b, Dec., 1858."
- Page 121. *Chemnitzia engbergi*, add "p. 570." Under *Strioturbonilla* add, "*Strioturbonilla kincaidi* Bartsch, 1921, Proc. Biol. Soc. Wash., vol. 34, p. 33, Mar. 31, 1921; Dogfish Bay, Puget Sound."
- Page 128. Under *Chrysallida* add, "*Chrysallida cumshewaënsis* Bartsch, 1921; Proc. Biol. Soc. Wash., vol. 34, p. 34; Cumshewa Inlet, B. C."
- Page 136. *Amaura engbergi* and *sanjuanensis*, add "p. 570."
- Page 137. *Amaura washingtonia*, add "p. 571."
- Page 142. For *Triforidae* read "*Triphoridae*," and for *Trifora* read "*Triphora*" throughout. Under *Cerithiopsis* insert "*Cerithiopsis fraseri* Bartsch, 1921; Proc. Biol. Soc. Wash., vol. 34, p. 34. Clayoquot, B. C., to Victoria, B. C." Also: "*Cerithiopsis onealensis* Bartsch, 1921; same reference, p. 35; Oneal Island, Puget Sound."
- Page 144. Above "Incertae sedis" insert "Section *Cerithiopsina* Bartsch, 1911," and add "*Cerithiopsis signa* Bartsch, 1921, Proc. Biol. Soc. Wash., vol. 34, p. 36; Oneal Island, Puget Sound." Also: "*Cerithiopsis willetti* Bartsch, 1921, same reference; Forrester Island (Willett) to Puget Sound."
- Page 145. *Fenella* A. Adams, 1860, not Westwood 1840=*Alabina* Dall, 1902.
- Page 148. For *Trichotropis costellata* substitute "*Trichotropis borealis* Sowerby, 1829, Zool. Journ., vol. 4, p. 375."
- Page 149. *Caecum dalli*, *licalum*, *diegensis*, *grippi*, and *Micranellum pedroense*, add "p. 568."
- Page 150. For all species of *Micranellum* add "p. 569." For *Fartulum hempilli*, *occidentale*, and *bakeri*, add "p. 566." For *Elephantulum carpenteri* add "p. 567."
- Page 151. *Petalococonchus montereyensis*. Add "Catalina Island."
- Page 152. *Littorina*, add "Blainville, 1828." For section *Littorina* s. s. read "*Neritoides* Brown, 1827."
- Page 153. *Littorina sitchana*, read "*Littorina sitkana*," and correct "*Littorina* to "*Littorina*." For section *Algaroda*, read "*Littorina* s. s."
- Page 156. *Alaba catalinensis*, add "p. 572." *Diala marmorea* may prove to be a *Barlecia*.
- Page 158. Under *Alvania* insert "*Alvania burrardensis* Bartsch, 1921, Proc. Biol. Soc. Wash., vol. 34, p. 38, Burrard Inlet, B. C."
- Page 159. *Alvania sanjuanensis*. Read "Bartsch, 1921, Proc. Biol. Soc. Wash., vol. 34, p. 37."
- Page 160. *Truncatella californica*. After "San Martin Island" read "Lower California."
- Page 163. Under *Crucibulum*, insert "*Crucibulum imbricatum* Sowerby. Genera, *Calyptrea* fig. 5; Broderip, Trans. Zool. Soc. London, vol. 1, p. 193, pl. 27, fig. 7, 1834. La Jolla, Cal. (Orcutt) to Peru."
- Page 174. *Chlorostoma gallina umbilicatum*, add "Catalina Island."
- Page 177. *Cidarina*, read "Dall, 1909." *Cidarina cidaris*, read "Proc. U. S. Nat. Mus., vol. 15, pl. 22, fig. 4." For *Solaricida* read "*Calliotropis* Seguenza, 1903." The former dates from 1910.
- Page 181. Under *Vitrinella* add "*Vitrinella columbiana* Bartsch, 1921; Proc. Biol. Soc. Wash., vol. 34, p. 39. Departure Bay, British Columbia."
- Page 182. *Cyclostremella concordia*, add "p. 572."

- Page 183. *Schismope coronata*, Bartsch regards this as a new species which he calls *S. californica*. He also refers *S. caliana* to *Adeorbis*.
- Page 192. *Ischnochiton serratus* dates from 1864.
Ischnochiton berryi, read "vol. 55."
Ischnochiton mertensii, add "San Martin Island, Lower California."
- Page 193. *Pallochiton*, read "1879."
- Page 194. *Callistochiton crassicosatus*. Add "San Martin Island, Lower California."
- Page 196. *Placiphorella velata*. Add "Sooke Harbor, Vancouver Island, Macoun."
- Page 197. *Placiphorella pacifica*, read "Kasaän Bay."
For *Katherina* read "*Katharina*."
Genus *Cryptochiton*, for Gray read "Middendorff."
- Page 210. Belcher, Last of the Arctic Voyages, read "vol. 2."