

ART. V.—*Additions to the Catalogue of the Marine Shells of Victoria.*

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[Read 10th June, 1909.]

In the previous parts of the Catalogue, 840 species have been dealt with: the present paper records 36 additional species, including four more genera, namely, *Teinostoma*, *Pugnus*, *Larina* and *Bornia*.

We hope to make many additions to the Catalogue from the material being obtained by the Commonwealth Trawler "Endeavour."

***Sepia braggi*, Verco.**

1907. *Sepia braggi*, Verco. T.R.S. S.A., vol. xxxi., p. 213, pl. 27, f. 6, 6a, 6b, 6c, 6d.

1908. *Sepia braggi*, Hedley. Rec. Aust. Mus., vol. vii.

Hab.—Heytesbury Coast (G. B. Pritchard).

Obs.—The form of this cuttlebone is narrow. Size of type, "60 mm. long by 11 mm. broad at its widest part, with a maximum thickness of 4.75 mm."

***Marginella allporti*, T. Woods.**

1876. *Marginella allporti*, T. Woods. P.R.S. Tas., p. 28.

1901. *Marginella allporti*, Tate and May. P.L.S. N.S.W., p. 362, pl. 26, f. 80.

Hab.—Bass Strait.

Obs.—Size of type: Length 9, breadth 5 mm.; a biconic, banded form, quadriplicate.

***Daphnella cassandra*, Hedley.**

1904. *Daphnella cassandra*, Hedley. P.L.S. N.S.W., vol. xxix., p. 187, pl. 8, f. 17.

Hab.—Port Albert (T. Worcester).

Vanikoro recluziana, Adams and Angas.

1863. Vanikoro recluziana, Adams and Angas. P.Z.S Lond., p. 424.
 1867. Vanikoro recluziana, Angas. P.Z.S. Lond., p. 212.
 1884. Vanikoro recluziana, Sowerby. Thes. Conch., vol. v., p. 170, f. 2.
 1908. Vanikoro recluziana, Smith. P. Mal. S. Lond., vol. viii., p. 112.

Hab.—Portland (T. Worcester).

Obs.—In his review of the genus *Vanikoro*, Mr. E. A. Smith, in the paper above quoted, remarking upon *Vanikoro sigareti-formis*, Potiez and Michaud, says he thinks there is very little doubt that it is the same species as *V. recluziana*.

Calyptraea scutum, Lesson.

1830. *Trochita scutum*, Lesson. Voy. Coquille, Zool., vol. ii., p. 395.
 1880. *Trochita scutum*, Hutton. Man. N.Z. Moll., p. 86.

Hab.—Dredged between Phillip and French Islands, Western Port; Port Albert (T. Worcester).

Obs.—By its almost central and conical spire, it may be readily separated from our other species, *C. calyptraeformis*.

Turritella atkinsoni, Tate and May.

1877. *Turritella tasmanica*, T. Woods (non Reeve). P.R.S. Tas., p. 140.
 1900. *Turritella atkinsoni*, Tate and May. T.R.S. S.A., p. 95.
 1901. *Turritella atkinsoni*, Tate and May. P.L.S. N.S.W., vol. xxvi., p. 378, pl. 23, f. 15-17.

Hab.—Bass Strait.

Turritella sinuata, Reeve.

1849. *Turritella sinuata*, Reeve. Conch. Icon., vol. v., pl. 11, f. 62.

1900. *Turritella quadrata*, Donald. P. Mal. Soc., vol. iv., p. 53, pl. 5, f. 8, 8a, 8b.

Hab.—Port Albert (T. Worcester).

***Turritella smithiana*, Donald.**

1900. *Turritella* (*Colpospira*) *smithiana*, Donald. P. Mal. Soc., vol. iv., p. 52, pl. 5, f. 1—1c.

Hab.—San Remo (T. Worcester).

Obs.—Our smallest species in the genus.

***Scala morchi*, Angas.**

1871. *Scala* (*Cirostrema*) *morchi*, Angas. P.Z.S. Lond., p. 15, pl. 1, f. 17.

1906. *Scala morchi*, Verco. T.R.S. S.A., vol. xxx. p. 147, pl. 4, f. 1-2 (*Operculum*).

Hab.—Western Port (T. Worcester).

Obs.—This may be readily separated from *S. translucida*, Gatliff, by its rounded base, much finer sculpture, and the absence of the encircling basal ridge.

***Eulima topaziaca*, Hedley.**

1908. *Eulima topaziaca*, Hedley. P.L.S. N.S.W., vol. xxxiii., p. 470, pl. 10, f. 29.

Hab.—Western Port; Port Albert (T. Worcester).

Obs.—Mr. Hedley observes: "The shape of this eccentric *Eulima* is like that of a *Rissoa*." We agree with him, and think it will have to be re-classified. A semi-transparent shell when fresh usually of a brown colour, weathering into opaque white.

***Leiostraca lodderae*, Hedley.**

1884. *Eulima vitrea*, Petterd. Jour. of Conch., vol. iv., p. 136 (non A. Adams, 1854).

1903. *Leiostraca lodderae*, Hedley. Mem. Aust. Mus., vol. iv., p. 360, f. 82.

Hab.—Western Port.

Obs.—A small species; type: Length 7.7, breadth 1.2 mm.; usually banded.

Turbonilla acicularis, Adams.

1853. *Turbonilla acicularis*, Adams. P.Z.S. Lond., p. 182.
 1877. *Turbonilla macleayana*, T. Woods. P.R.S. Tas., p. 151.
 1886. *Turbonilla macleayana*, Tryon., Man. Conch. vol. viii., p. 334, pl. 76, f. 44.
 1901. *Turbonilla acicularis*, Tate and May. P.L.S. N.S.W., vol. xxvi., p. 384.

Hab.—Dredged off Portsea, Port Phillip; also Western Port; Port Albert (T. Worcester).

Obs.—Kindly compared with the type of *T. acicularis* in the British Museum by Mr. E. A. Smith. Pritchard and Gatliff considered it to be a narrow and small form of *T. mariae* (T. Woods), which it much resembles.

Larina turbinata, Gatliff and Gabriel.

1909. *Larina turbinata*, Gatliff and Gabriel. Ante page.

Hab.—Dredged, Western Port.

Genus **TEINOSTOMA**, H. and A. Adams, 1853.

Teinostoma cancellata, Tate.

1879. *Ethalia* (?) *cancellata*, Tate. T.R.S. S.A., vol. ii., p. 139, pl. 5, f. 11a-11c.

Hab.—Port Albert (T. Worcester).

Rissoa dissimilis, Watson.

1877. *Rissoina cylindracea*, T. Woods. P.L.S. N.S.W., p. 266, (non Krynicki. 1837).
 1886. *Eulima dissimilis*, Watson. Chall. Zool., vol. xv., p. 522, pl. 37, f. 5.
 1899. *Rissoia ischna*, Tate (nom. mut. instead of *R. cylindracea*). T.R.S. S.A., p. 233.
 1901. *Rissoia dissimilis*, Tate and May. P.L.S. N.S.W., vol. xxvi., p. 391.

Hab.—Port Fairy.

Obs.—In the last reference above quoted, Tate and May wrongly cited *Eulima tasmanica*, T. Woods, as conspecific, but subsequently in P.R.S. Tas., 1902, p. 110, May corrected the mistake.

Rissoa incompleta, Hedley.

1908. *Rissoa incompleta*, Hedley. P.L.S. N.S.W., vol. xxxiii., p. 468, pl. 10, f. 36.

Hab.—Dredged in about 5 fathoms between Phillip and French Islands, Western Port.

Rissoa imbrex, Hedley.

1908. *Rissoa imbrex*, Hedley. P.L.S. N.S.W., vol. xxxiii., p. 469, pl. 10, f. 33.

Hab.—In shell sand, San Remo, Western Port.

Obs.—A small elongate white shell, with encircling ridges, two on the penultimate whorl.

Rissoa devecta, Tate.

1877. *Alvania gracilis*, Angas (non MacGillivray). P.Z.S. Lond., p. 174, pl. 26, f. 16.

1887. *Alvania gracilis*, Tryon. Man. Conch., vol. ix., p. 364, pl. 66, f. 47.

1899. *Rissoia devecta*, Tate (nom. mutand). T.R.S. S.A., vol. xxiii., p. 235.

Hab.—In shell sand, Ocean Beach, Flinders.

Obs.—A brown elongate shell, sometimes banded with white.

Rissoina hedleyi, Tate.

1899. *Rissoina hedleyi*, Tate. T.R.S. S.A., vol. xxiii., p. 241, pl. 7, f. 8.

Hab.—Western Port.

Obs.—Prof. Tate states that he received this species from Dr. Pulleine, obtained by the latter at "Port Western, Victoria."

Rissopsis buliminoides, Tate and May.

1900. *Rissopsis buliminoides*, Tate and May. T.R.S. S.A., vol. xxiv., p. 101.

1901. *Rissopsis buliminoides*, Tate and May. P.L.S. N.S.W., vol. xxvi., p. 394, pl. 26, f. 75.

Hab.—Port Albert (T. Worcester).

Obs.—“Shell small, cylindroid, thin, opaque-white”; size of type: Length, 4.25; breadth, 1.3 mm.

Rissopsis consobrina, Tate and May.

1900. *Rissopsis consobrina*, Tate and May. T.R.S. S.A., vol. xxiv., p. 101.

1901. *Rissopsis consobrina*, Tate and May. P.L.S. N.S.W., vol. xxvi., p. 394, pl. 27, f. 94.

Hab.—In shell sand, Ocean Beach, Point Nepean.

Obs.—The shell is hyaline, turreted, and has rounded whorls. Size of type: Length, 3.5; width, 1.0 mm.

Gibbula tasmanica, Petterd.

1879. *Gibbula tasmanica*, Petterd. Jour. of Conch., vol. ii., p. 103.

1889. *Gibbula tasmanica*, Tryon. Man. Conch., vol. xi., p. 237, pl. 40, f. 20.

Hab.—Bass Strait.

Obs.—A small shell about the size of *G. legrandi*, Petterd, but it has spiral lirae. Our two specimens are of a rose colour.

Plaxiphora glauca, Quoy and Gaimard.

1834. *Chiton glaucus*, Quoy and Gaimard. Astrolabe. Zool., vol. iii., p. 376, pl. 74, f. 7-11.

1892. *Plaxiphora glauca*, Pilsbry. Tryon's Man. Conch., vol. xiv., p. 325, pl. 68, f. 68-72.

1897. *Plaxiphora glauca*, Bednall. P. Mal. S. Lond., vol. ii., p. 154.

Hab.—Kilcunda.

Obs.—Very similar to *P. petholata*. Sowerby. Pilsbry surmises that *P. glauca* "is probably the form Angas collected at Guichen Bay, South Australia, and listed as *P. ciliata*," and Bednall considers he is right in his surmise.

***Acanthochites coxi*, Pilsbry.**

1894. *Acanthochites coxi*, Pilsbry. Proc. Acad. Nat. Sci. Philadelphia, p. 80, pl. 3, f. 21-26, and pl. 4, f. 34.

Hab.—Dredged, Western Port.

Obs.—The description states, "Girdle fleshy, densely clothed with short hyaline spinelets, the tufts being represented by inconspicuous clumps of somewhat longer spines." The size of type is: "Length 23, breadth 13 mm. (alcoholic specimen)." Our single specimen is not quite one third of these dimensions.

Genus **PUGNUS**, Hedley, 1896.

***Pugnus parvus*, Hedley.**

1896. *Pugnus parvus*, Hedley. Records Aust. Mus., vol. ii., p. 5, pl. 23, f. 1.

Hab.—Bass Strait.

Obs.—The size of the type is: Length $1\frac{1}{2}$, breadth 1 mm. This minute shell in shape resembles a *Cylichna*, but may be readily distinguished from that genus by the absence of an umbilicus at the top, the presence of three folds on the columella, and a thickened outer lip. It is decussately sculptured. Mr. Hedley has placed the genus in the family Ringiculidae.

***Philine columnaria*, Hedley and May.**

1908. *Philine columnaria*, Hedley and May. Rec. Australian Museum, vol. vii., p. 123, pl. 24, f. 25, 26.

Hab.—Dredged, Western Port (alive).

Obs.—A small milk white species; size of type: length 6.5. breadth 5 mm. Compared with *P. angasi*. "it is more trapezoidal, has distinct spiral lines, and an axial hollow above." Our identification has been confirmed by Mr. May.

Dentalium platyceras, Sharp and Pilsbry.

1898. *Dentalium platyceras*, Sharp and Pilsbry. *Man. Conch.*, vol. xvii., p. 126, pl. 22, f. 58-60.

Hab.—Port Albert (T. Worcester).

Corbula coxi, Pilsbry.

1897. *Corbula coxi*, Pilsbry. *Proc. Acad. Nat. Sci. Philadelphia*, p. 363, pl. 9, f. 1-3.

Hab.—Port Phillip; Western Port; Port Albert (T. Worcester).

Obs.—The concentric sculpture in this species is much finer than in *C. tunicata*, Hinds., and it is about the same size.

Circe (Crista) navigatum, Hedley.

1906. *Gafrarium navigatum*, Hedley. *P.L.S. N.S.W.*, vol. xxxi., p. 476, pl. 38, f. 33.

Hab.—Dredged in about 6 fathoms between Phillip and French Islands, Western Port. One valve only was found.

Obs.—A small species. Size of type: Length 6 mm., height 5.4 mm., breadth of single valve 1.6 mm. Compared by one of us with the type.

Circe angasi, Smith.

1865. *Gouldia australis*, Angas (non *Circe australis*, Smith). *P.Z.S. Lond.*, p. 459.

1885. *Circe Angasi*, Smith. *Chall. Zool.*, vol. xiii., p. 148, pl. 2, f. 4-4e.

Hab.—Bass Strait.

Obs.—A small rose tinted species. Size: Length 6, height 5, diameter 3.5 mm.

Venerupis iridescens, Tate.

1889. *Venerupis iridescens*, Tate. T.R.S. S.A., vol. x.,
p. 61, pl. 11, f. 10.

Hab.—Port Albert (Thos. Worcester).

Cyamiomactra nitida, Hedley.

1908. *Cyamiomactra nitida*, Hedley. P.L.S. N.S.W.,
vol. xxxiii., p. 477, pl. 9, f. 19, 20.

Hab.—Dredged off Portsea, Port Phillip, also Western Port.

Obs.—A small, smooth, brown shell. Our identification has been confirmed by Mr. Hedley.

Genus **BORNIA**, Philippi, 1836.

Bornia lepida, Hedley.

1906. *Bornia lepida*, Hedley. P.L.S. N.S.W., vol. xxx.,
p. 543, pl. 32, f. 22, 23.

Hab.—San Remo, Western Port.

Obs.—Size of type: Height 4 mm., length 6.3 mm. Our shell is much smaller; it "has fine, dense, radiating threads."

Diplodonta sublateralis, E. A. Smith.

1884. *Diplodonta sublateralis*, E. A. Smith. Alert Zool.,
p. 104, pl. 7, f. K.

Hab.—Port Albert (T. Worcester); dredged off Point Cook, Port Phillip, 9 fathoms.

Obs.—Size of type: Length $19\frac{1}{2}$, height $18\frac{1}{2}$, diameter 10 mm. The specimens obtained in the last-named locality exceed these dimensions, and have been compared with others from Queensland and Torres Straits.

Diplodonta striata, Hutton.

1850. *Lucina novae-zealandiae*. Reeve (non Gray).
Conch. Icon., vol. vi., pl. 9, f. 14.
1878. *Diplodonta striata*, Hutton. Jour. de Conch., p.
51.
1880. *Diplodonta striata*. Hutton. Man. N.Z. Moll., p.
156.

Hab.—Western Port.

Obs.—A globose shell, rudely concentrically striate; whitish, with a light brown epidermis; size of type: Height .4, length .4 inch. Our specimens are much smaller.

Condylocardia crassicosta, Bernard.

1896. *Condylocardia crassicosta*, Bernard. Etudes Com-
paratives sur La Coquille des Lamellibranches
Condylocardia, p. 2, pl. 6, f. 1.
1908. *Condylocardia crassicosta*. Verco, T.R.S. S.A., vol.
xxxii., p. 360.
1908. *Condylocardia crassicosta*, May. P.R.S., Tas.,
p. 54, pl. 6, f. 6.

Hab.—Frankston, Port Phillip (Thos. Worcester): dredged
Western Port.

Obs.—Similar to *C. pectinata*, but the radial ribs are fewer
and stronger.