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Mollusca from South East
of King Island, Bass Strait

by

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Mollusca from South East of King Island, Bass Strait

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It is not often an opportunity arises for the study of the deeper water mollusca — however, the raising of the cable between King Island and Stanley, North Tasmania, in February 1937, provided one. A break occurred in the Tasmania-Victoria cable near Elephant Shoal Reef four miles south east of King Island in seven and a half fathoms of water, and during the repairing process the Postmaster General's Department collected a large quantity of the adhering debris for the collections of the National Museum of Victoria. After careful treatment and sieving, more than 150 species of mollusca were obtained, including five previously unknown forms. Descriptions and figures of these new species are given in the following pages.

The lifting of the Bass Strait cable from Flinders, Victoria, some years previously provided numerous species bearing a considerable generic analogy, and it is predicted that systematic dredging in Bass Strait will prove the existence of many more species which merely await the collecting.

In this 1937 material, several forms appeared which are probably new, but with single specimens and others in a more or less fragmentary condition, it is considered advisable to postpone descriptions until further examples are obtained. These appear in the list as "species?".

The excellent illustrations accompanying this report will enable the forms to be readily identified, and I now take the opportunity of expressing my indebtedness to Mr. G. J. Browning of Heathmont, Victoria, for their careful preparation.

Three Groups are represented:

	<i>PELECYPODA</i>	
Genera 27		species 37
	<i>GASTROPODA</i>	
Genera 75		species 118
	<i>CREPIPODA</i>	
Genera 2		species 4

BRACHIOPODA

Genus 1

species 1

(placed here for convenience)

Five new species are herein described as follows, the types of which are in the National Museum of Victoria collection, Melbourne.

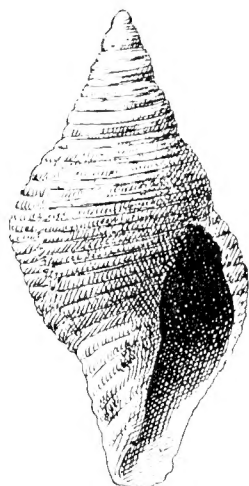
Mitrithara macphersonae

Mitrithara bassiana

Cantharidus kingensis

Estea hoggartae

Dardanula difficilis

Mitrithara macphersonae sp. nov.

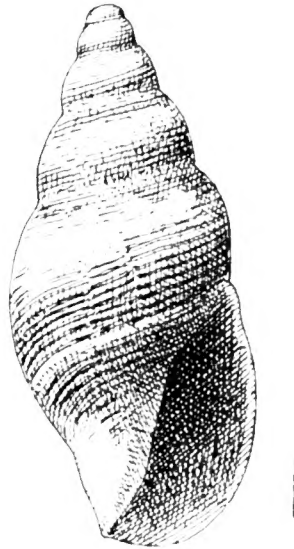
(Fig. 1.)

Shell small, biconical, colour light-brown with a few scattered splashes of reddish-brown on both spire and body-whorl. Whorls $5\frac{1}{2}$ including a whitish, microscopically granulated protoconch of about $1\frac{1}{2}$ coils; spire-whorls flatly-rounded and sculptured with concentric lirae, five appearing on the penultimate, this ornament continuing on the last whorl which is very robust, with the spirals amounting to approximately 25. Close microscopic striae are discernible crossing the spirals and very narrow interstices. Sutures well impressed. Spire barely half the length of shell. Aperture through which the encircling hiraе are visible, elongately-ovate, rather widely open anteriorly; outer lip thin and a little incomplete, shining within. Columella slightly arcuate and a little thickened.

Size of Type.—Length, 5.02 mm.; breadth, 2.75 mm.

Observations.—Two specimens were obtained. A distinct species somewhat resembling the genotype *M. alba* Petterd, but may be easily separated by its more robustly-fusiform shape. I am pleased to associate the name of the Curator of Molluscs of The National Museum of Victoria, Miss J. H. Macpherson, M.Sc., with this interesting little species.

Reg. numbers, Type F. 16121, paratype F. 16122.

Mitrithara bassiana sp. nov.

(Fig. 2.)

Shell small, solid, elongate-oval, colour brown and lighter in an interrupted whitish band on the shoulder of whorls, with a second one appearing at the base. Whorls $5\frac{1}{2}$ including a blunt protoconch of two coils which are apparently smooth but microscopically pitted. Sutures impressed. The sculpture consists of dense, spiral lirae, about twelve appearing on the penultimate and approximately thirty on the ultimate whorl. These and the very narrow interspaces are crossed by closely-set microscopic striae. The spire measures about half the length of shell. Aperture through which the ornament is seen ovate-elongate, and with a fairly wide anterior canal, outer lip thin, slightly fractured; columella a little arched.

Size of Type.—Length, 7.75 mm.; breadth, 3.48 mm.

Observations.—Two examples examined. A characteristic species bearing no approach to any southern Australian form.

Reg. Numbers.—Type F. 16123, paratype F. 16124.

Cantharidus kingensis sp. nov.

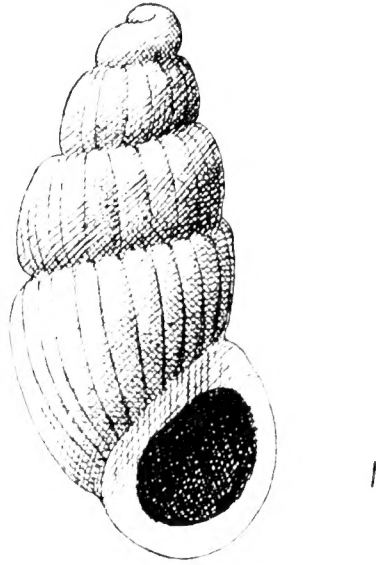
(Fig. 3.)

Shell minute, pyramidal, purple-rose, with a few whitish streaks crossing body-whorl just below the suture, a creamy-white apex of $1\frac{1}{2}$ whorls the extremity of which is slightly granular developing into spiral lirae on approaching the first whorl. Whorls $4\frac{1}{2}$ including protoconch, convex with sutures well impressed. On the penultimate whorl appears a white, feeble encircling cord situated at about the posterior third; two similar cords are evident on the body-whorl defining these areas the central one being slightly the narrowest; the posterior area forms a shoulder which is smooth, but below this will be seen four to five spiral incised lines crossing numerous, faint, irregular growth-lines. Aperture about half the length of shell, pyriform, outer lip thin, smooth within. A small umbilical chink appears, partly concealed by a somewhat calloused and slightly curved columella.

Size of Type.—Length, 2.27 mm.; breadth, 1.6 mm.

Observations.—A diminutive member of the genus which could possibly be passed for *Phasianella rosea* Angas of similar dimensions, but is immediately separated by the encircling cord — a feature entirely absent in that species. As regards the spiral cord, variation exists in the six examples obtained, that of the type and one paratype being similarly situated but in the remainder nearer the periphery.

Reg. Numbers.—Type F. 16125, paratype F. 16126.

Estea hoggartae sp. nov.

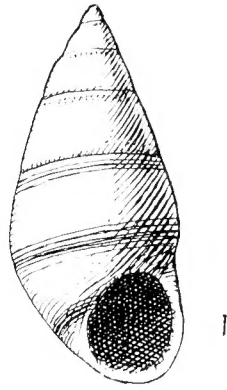
(Fig. 4.)

Shell small, solid, somewhat elongated, shining, cream-coloured slightly darker on the spire. Whorls 5, flatly-rounded; apex dome-shaped and microscopically granulated. Sculpture consisting of finely-striated flat radial ribs with an occasional one narrower than the rest, approximately twenty-five on the ultimate whorl, separated by narrow interstices. Aperture about one third the length of shell, peristome continuous, actual opening pyriform, outer lip slightly expanded.

Size of Type.—Length 3.42 mm.; breadth, 1.6 mm.

Observations.—Four specimens all bearing evidence probably of radula attack by some form of gasteropod mollusc. A distinctive little species easily recognized by its elongate form, flat whorls, well impressed sutures and polished surface; it could not be confused with any Southern Australian member of the genus. Named in honour of Miss P. Hoggart of The National Museum of Victoria, for her valued assistance in the sorting of minutae from this material.

Reg. Numbers.—Type F 16127, paratypes F 16128.

Dardanula difficilis sp. nov.

(Fig. 5.)

Shell minute, smooth, polished, somewhat pupaeform, deep-cream, brown on the apical whorls, the body-whorl showing three distinct unequally spaced chestnut colour-bands, one situated close to the suture, the second just below the periphery and the third near the base. Apex dome-shaped. Whorls 5, smooth, almost flat, with numerous radial microscopic striae as the only sculpture. Mouth approximately one third the length of shell, ovately-rounded, peristome entire, actual opening ovate, shining within; a faint umbilical chink is discernible, partly concealed by the expansion of the inner lip.

Size of Type.—Length, 2.38 mm.; breadth, 1.35 mm.

Observations.—Six specimens were discovered and, strangely enough, like the previous “Rissoid” *Estea hoggartae*, the type and most of the paratypes show signs of attack, probably by some predatory mollusc. This species bears a slight resemblance to *Dardanula aurantiocincta* May, but is immediately distinguished by its less angular shape, more ovate aperture and in the presence of the third, subsutural, colour-band. This banding on the body-whorl is a consistent feature, and provides a useful diagnostic character.

Reg. Numbers.—Type F 16129, paratypes F 16130.

GASTROPODA

Family HALIOTIDAE

Haliotis Linnaeus

ruber Leach, Zool. Misc., 1, 1814, p. 54, pl. 23.

Family SCISSURELLIDAE

Scissurella D'Orbigny

australis Hedley, Mem. Aust. Mus., IV, 1903, p. 329, fig. 63.

Schismope Jeffrey

atkinsoni Ten. Woods (*Scissurella*) P.R.S. Tas., 1876 (1877), p. 149.

pulchra Petterd Journ. of Conch., IV, 1884, p. 139, No. 17.

Family FISSURELLIDAE

Tugalia Gray, Dieffenbach's New Zealand

cicatricosa A. Adams (*Tugali*) P.Z.S. Lond., 1851 (1852), p. 89.

Emarginula Lamarck

candida A. Adams, P.Z.S. Lond., 1851, p. 85, No. 30.

dilecta A. Adams, P.Z.S. Lond., 1851, p. 85, No. 28.

Sp. ?.

Hemitoma Swainson

subemarginata Blainville (*Emarginata*) Dict. Sci. Nat., XIV, 1819, p. 382.

Family ACMAEIDAE

Actinoleuca Oliver

calamus Crosse and Fischer, (*Patella*) Journ. de Conch., 1864, p. 348.

Family TROCHIDAE

Clanculus Montfort

aloyssi Ten. Woods, P.R.S. Tas., 1876, p. 155.

plebejus Philippi, (*Trochus*) Zeit. Malak., VIII, 1851, p. 41.

Cantharidella Pilsbry

tiberiana Crosse, (*Trochus*) Journ. de Conch., XI, 1863, p. 381, pl. 13, fig. 2.

Calliostoma Swainson

armillata Wood, (*Trochus*), Index Test. Suppl., 1828, pl. 5, fig. 5.

zietzi Verco, T.R.S. S.A., XXIX, 1905, p. 166, pl. 31, figs. 1-3.

incerta Reeve (*Zizyphinus*) Conch. Icon. XIV, 1863, pl. 5, fig. 28.

Cantharidus Montfort

kingensis Gabriel antea page.

Astele Swainson

subcarinata Swainson, P.R.S. van Diemen's Land, III, 1854, p. 36, pl. 6, figs. 1, 2.

Minolia Adams

tasmanica Ten. Woods, [*Margarita* (*Minolia*)] P.R.S. Tas., 1877, p. 143, No. 33.

Herpetopoma Pilsbry

aspersa Philippi, (*Trochus*) Zeit. Fur. Malak., III, 1846, p. 103 = *Euchelus baccatus* Menke (preocc).

Family PHASIANELLIDAE

Phasianella Lamarck

rosea Angas, (*Eutropia*) P.Z.S. Lond., 1867, p. 114, pl. 13, fig. 24.

Family LIOTIIDAE

Argalista Iredale

rosea Tenison Woods, (*Monilea*) P.R.S. Tas., 1876, p. 154.

Charisma Hedley

josephi Tenison Woods (*Cyclostrema*) P.R.S. Tas., 1877, p. 147.

Cirsonella Hedley

weldii Tenison Woods, (*Cyclostrema*) P.R.S. Tas., 1876 (1877), p. 147.

Elachorbis Iredale

harriettae Petterd (*Cyclostrema*) Journ. of Conch., IV, 1884, p. 141.

Liotina

tasmanica Tenison Woods, (*Liotia*) P.R.S. Tas., 1875 (1876), p. 153.

subquadrata Tenison Woods, (*Liotia*) P.L.S.N.S.W., II, 1878, p. 236.

Family TURBINIDAE

Bellastraea Iredale

squamifera Koch, (*Trochus*) Abbild und. Besch., neuer Conch., 1844, pl. 4, fig. 9
= *fibriata* Lamarck (preocc).

Family RISSOIDAE

Estea Iredale

kershawi Tenison Woods, (*Rissoina*) P.R.S. Vic., XIV, 1877, p. 57.

tumida Tenison Woods, (*Diala*) P.R.S. Tas., 1876, p. 147.

bicolor Petterd (*Rissoa*) Journ. of Conch., IV, No. 5, 1884, p. 137, No. 10.

subfusca Hutton, (*Rissoa*) Cat. N.Z. Moll., 1873, p. 28.

microcosta May, P.R.S. Tas., 1919, p. 61, pl. 15, fig. 12.

hoggartae Gabriel, antea page.

Botelloides Strand

bassianus Hedley (*Onoba*) Zool. Com. Trawler Endeavour, I, 1911, pt. 1, p. 108,
pl. 19, fig. 25.

Merelina Iredale

hulliana Tate [*Rissoa* (*Alvania*)] T.R.S.S.A., XXIII, 1899, p. 235.

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

Haurakia Iredale

descrepans Tate and May (*Rissoa*) T.R.S.S.A., XXIV, 1900, p. 99.

Dardanula Iredale

flammea Frauenfeld (*Sabanaea*) Novara Exped. Moll. VI, 1868, p. 12, pl. 2, fig. 18.

aurantiocincta May, P.R.S. Tas., 1915, p. 96, pl. 6, fig. 33.

difficilis Gabriel, antea page.

Notosetia Iredale

pertranslucida May (*Rissoa*) P.R.S. Tas., 1912, p. 48.

Scrobs Watson

Sp. ?.

Notoscrobs Powell

triangulus May, P.R.S. Tas., 1915, p. 95, pl. 6, fig. 32.

Family RISSOINIDAE

Rissoinia d'Orbigny

elegantula Angas, P.Z.S. Lond., 1880, p. 417, pl. 40, fig. 10.

d'orbignyi A. Adams, P.Z.S. Lond., 1851, p. 265.

rhylensis Gatliff and Gabriel, P.R.S. Vic., XXI, 1908, N.S. p. 367, pl. 21, fig. 8.

Family TURRITELLIDE

Turritella Lamarck

Sp. ?.

Family TRICHOTROPIDAE

Crossea Adams

labiata Tenison Woods P.R.S. Tas., 1876, p. 151.

Family VERMETIDAE

Vermicularia Lamarck

flava Verco, T.R.S.S.A., XXXI, 1907, p. 214, fig. 1 in text.

Siliquaria Bruguiere

australis Quoy and Gaimard, "Astrolabe" Zool., III, 1834, p. 302.

Serpulorbis Sasso

sipho Lamarck (*Serpula*) Anim. sans Vert., V., 1818, p. 367.

Family CERITHIIDAE

Cacozeliana Strand

granarium Kiener, (*Cerithium*) Icon. Coq. Viv., 1842, p. 72, pl. 19, fig. 3.

Sp. ?.

Ataxocerithium Tate

serotinum A. Adams, (*Cerithium*) Thes. Conch., II, 1855, p. 861, pl. 180, fig. 102.

Hypotrochus Cotton

monachus Crosse and Fischer, (*Cerithium*) Journ. de Conch. 1864, p. 347, Id. 1865, p. 45, pl. 3, fig. 17.

Family CERITHIOPSIDAE

Zaclys Finlay

angasi Semper (*Cerithiopsis*) Cat. V. Mus. Godeffroy V, 1874, p. 108.

semilacvis Tenison Woods (*Bittium*) P.R.S. Vic., 1877, p. 58.

damnevigi Hedley, Zool. Commonwealth trawler "Endeavour" 1, 1911, p. 109, pl. 19, figs. 26, 27.

Family TRIPHORIDAE

Notosinister Finlay

- festiva* A. Adams, (*Triphorus*) P.Z.S. Lond., 1851, p. 278.
granifera Brazier, (*Triphora*) P.L.S.N.S.W., XIX, 1894, p. 173, pl. 14, fig. 10.
pfeifferi Crosse and Fischer, (*Triphoris*) Journ. de Conch., XIII, 1865, p. 47, pl. I, figs. 14, 15.

Cautor Finlay

- maculosa* Hedley, (*Triphora*) P.L.S.N.S.W., XXVII, 1903, p. 614, pl. 32, figs. 32, 33.

Teretriphora Finlay

- angasi* Crosse and Fischer (*Triphora*) Journ. de Conch., XIII, 1865, p. 46, pl. 1, figs. 12, 13.
cinerea Hedley (*Triphora*) P.L.S. N.S.W., XXVII, 1903, p. 612, pl. 33, figs. 36, 37.

Isotrophora Cotton and Godfrey

- tasmanica* Tenison Woods. (*Triforis*) P.R.S. Tas., 1876, p. 151.
 Sp. ?.
 Sp. ?.

Family SCALIDAE

Scala Bruguiere

- translucida* Gatliff, P.R.S. Vic., XIX, 1906, (N.S.) P. 2, figs. 3, 4.

Family STROMBIFORMIDAE

Strombiformis

- Sp. ?.

Melanella Bowdich

- commensalis* Tate, (*Eulima*) T.R.S.S.A., XXII, 1898, pt. 1, p. 82, pl. 4, fig. 2.

Family PYRAMIDELLIDAE

Syrnola A. Adams

- Sp. ?.

Family HIPPONICIDAE

Antisabia Iredale

- foliacea* Quoy and Gaimard, (*Hipponyx*) Voy. "Astrolabe", Zool, III, p. 439, pl. 72, figs. 41-45.

Family NATICIDAE

Quantonatica Iredale

- subcostata* Tenison Woods (*Natica*) P.L.S.N.S.W., II, 1878, p. 263.

Family TRIVIIDAE

Ellatrivia Iredale

- merces* Iredale, (*Trivia*) P.L.S.N.S.W., XLIX, 1924, p. 257, pl. 35, figs. 16, 17.

Family CYMATIIDAE

Cymatiella Iredale

verrucosa Reeve, (*Triton*) P.Z.S. Lond., 1844, p. 118.

Ratifusus Iredale

bednalli Brazier, (*Triton* (*Epidromus*)) P.L.S.N.S.W., I, 1875, p. 6.

Family MURICIDAE

Murexsul Iredale

brazieri Angas (*Murex*) P.Z.S. Lond., 1877, p. 171, pl. 26, fig. 3.

Pteronotus Iredale

triformis Reeve, (*Murex*) P.Z.S. Lond., 1845, p. 87.

Benthozystus Iredale

petterdi Crosse, (*Trophon*) Journ. de Conch., XVIII, 1870, p. 303.

Litozamia Iredale

brazieri Tenison Woods (*Trophon*) P.R.S. Tas., 1875, p. 136.

Bedevea Iredale

Sp. ?.

Family PYRENIDAE

Zemitrella Finlay

menkeana Reeve, (*Columbella*) Conch. Icon, XI, 1858, pl. 14, figs. 69 a. b.

tenebrica Reeve, (*Columbella*) Conch. Icon, XI, 1858, pl. 31, fig. 204.

Macrozafra Finlay

legrandi Tenison Woods, (*Columbella*) P.R.S. Tas., 1876, p. 152.

angasi Brazier, (*Columbella*) P.Z.S. Lond., 1871, p. 322.

atkinsoni Tenison Woods, (*Mangelia*) P.R.S. Tas., 1875, p. 141.

lurida Hedley, (*Pyrene*) P.L.S.N.S.W., XXXII, 1907, p. 510, pl. 17, fig. 19.

smithi Angas (*Columbella*) P.Z.S. Lond., 1877, p. 172, pl. 26, fig. 7.

Retizafra Hedley

calva Verco, (*Pyrene*) T.R.S.S.A. XXXIV, 1910, p. 143, pl. 29, fig. 2, 3.

Aesopus Gould

gatliffi Verco, (*Mangilia*) T.R.S.S.A. XXXIII, 1909, p. 312, pl. 28, fig. 9.

Family OLIVIDAE

Baryspira Fischer

marginata Lamarck (*Ancillaria*) Ann. du. Mus. XVI, 1810, p. 304.

Family MITRIDAE

Austromitra Finlay

scalariformis Tenison Woods, (*Mitra*) P.R.S. Tas., 1875, p. 140.

bellapicta Verco (*Mitra*) T.R.S.S.A., XXXIII, 1909, p. 337, pl. 25, fig. 1.

Mitra Bolten

Sp. ?.

Family MARGINELLIDAE

Marginella Lamarck

- agapeta* Watson, Chall, Zool., XV, 1886, p. 266, pl. 16, fig. 9.
gabrieli May, P.R.S. Tas., 1911, p. 386, pl. 13, fig. 9.
pisum Reeve, Conch. Icon., XV, 1865, pl. 27, fig. 156.
problematica Gatliff and Gabriel, P.R.S. Vic., XXIX, (N.S.) Pt. 1, 1916, p. 104,
 pl. 7, fig. 1.
pumilio Tate and May, P.L.S.N.S.W., 1901, p. 363, pl. 26, fig. 79.
subauriculata May, P.R.S. Tas., 1915, p. 86, pl. 2, fig. 7.
turbinata Sowerby, Thes. Conch., I, 1846, p. 385, pl. 75, fig. 70.
 Sp. ?.

Family TURRIDAE

Austrodrillia Hedley

- saxea* Sowerby, (*Drillia*) P. Mal. Soc. Lond., II, 1896, p. 25, pl. 3, fig. 4.

Etrema Hedley

- denseplicata* Dunker, (*Pleurotoma*) Mal. Blatt., XVIII, 1871, p. 159.
bicolor Angas, (*Clathurella*) P.Z.S. Lond., 1871, p. 18, pl. 1, fig. 20.

Asperdaphne Hedley

- bastowi* Gatliff and Gabriel (*Daphnella*) P.R.S. Vic., XXI 1908, p. 365, pl. 21,
 figs. 1-4.
perplexa Verco (*Daphnella*) T.R.S.S.A., XXXIII, 1909, p. 323, pl. 28, figs. 1, 2.
sculptilis Angas (*Clathurella*) P.Z.S. Lond., 1871, p. 17, pl. 1, fig. 19.

Nepotilla Hedley

- minuta* Tenison Woods, (*Drillia*) P.R.S. Tas., 1876 (1877), p. 136.
lamellosa Sowerby, (*Clathurella*) P. Mal. Soc. Lond., II, 1896, p. 28, pl. 3, fig. II.

Mitrithara Hedley

- macphersonae* Gabriel, antea page.
bassiana Gabriel, antea page.

Guraleus Hedley

- delicatulus* Tenison Woods, (*Mangelia*) P.R.S. Tas., 1878 (1879), p. 37.
 Sp. ?.

Exomilus Hedley

- telescopialis* Verco (*Drillia*) T.R.S. S.A., XX, 1896, p. 222, pl. 7, figs. 1a, b.

Daphnella

- Sp. ?.

Family CONIDAE

Parviconus Cotton and Godfrey

- rutilus* Menke (*Conus*) Moll. Nov. Holl., 1843, p. 27, No. 133.

Family RETUSIDAE

Cylichnina Monterosato

- pygmaea* A. Adams, [*Bulla* (*Cylichna*)] Thes. Conch., II, 1854, p. 595, pl. 125, fig. 150.

CREPIPODA

Family CHITONIDAE

Rhyssoplax Thiele*bednalli* Pilsbry, (*Chiton*) Nautilus, IX, 1895, p. 90.*caliozona* Pilsbry, (*Chiton*) Nautilus VIII, 1894, p. 55.*tricastalis* Pilsbry, (*Chiton*) Nautilus VIII, 1894, p. 54.*Terenochiton* Iredale

Sp. ?.

PELECYPODA

Family LEDIDAE

Scacoleda Iredale*dohrni* Hanley, (*Leda*) P.Z.S. Lond., 1861, p. 242.

Family ARCIDAE

Arca Linnaeus*pistachia* Lamarck, Anim. S. Vert., VI, 1819, p. 41.*squamosa* Lamarck, Anim. S. Vert., VI, pt. 1, p. 45, No. 35.

Family LIMOPSIDAE

Limopsis Sasso*tenisoni* Ten. Woods, P.R.S. Tas., 1878, p. 56.*Lissarca* Smith*rubricata* Tate, (*Limopsis*) T.R.S.S.A., IX, 1886, pp. 71, 104, pl. 5, fig. 6.

Family GLYCYMERIDAE

Glycymeris Da Costa*(Pectunculus) flabellatus* Ten. Woods, P.R.S. Vic., 1878, p. 61.*(Tucetilla) mayi* Cotton, Rec. S.A. Mus., VIII, No. 4, 1947, p. 659, pl. 20, figs. 18, 19.

Family PTERIIDAE

Electroma Stolickza*georgiana* Quoy and Gaimard (*Avicula*) Voy. "Astrolobe", Zool., III, 1835, p. 457, pl. 77, figs. 10, 11.

Family PECTINIDAE

Chlamys Bolten*(Aequipecten) asperrimus* Lamarck, (*Pecten*) Anim. s. Vert, VI, 1819, p. 174.*(Camptonectes) aktinos* Petterd, (*Pecten*) R.A. Tas., 1886, p. 320.*(Camptonectes) famigerator* Iredale, (*Chlamys*) Rec. Aust. Mus., XIV, 1925, p. 252, pl. 41, figs. 1, 2.*Cyclopecten**favus* Hedley, Mem. Aust. Mus. IV, 1902, p. 305, fig. 50.

Family LIMIDAE

Limatula Wood

bullata Born, (*Ostrea*) Mus. Caes. Vindobon, 1780, p. 110, pl. 6, fig. 8.

Family MYTILIDAE

Modiolus Lamarck

areolatus Gould, (*Modiola*) P. Bost. Soc. Nat. Hist., III, 1850.

Musculus Bolten

barbatus Reeve, (*Lithodomus*) Conch. Icon., 1858, X, No. 27, pl. 5, fig. 27.

radians Suter (*Dacrydium*) T.N.Z.I., XL, 1908, p. 355, pl. 27, fig. 11.

Family CUSPIDARIIDAE

Cuspidaria Nardo

tasmanica Ten. Woods, (*Neaera*) P.R.S. Tas., 1875 (1876), p. 27.

Family CRASSATELLIDAE

Talabrica Iredale

aurora Adams and Angas, (*Crassatella*) P.Z.S. Lond., 1863, p. 426, pl. 37, fig. 15.

Salaputium Iredale

micrum Verco, (*Crassatella*) T.R.S.S.A., 1895, p. 93, pl. 1, fig. 3.

Cuna Hedley

(*Hamacuna*) *humata* Hedley and May, Rec. Aust. Mus., VII, 1908, p. 124, pl. 25, figs. 33-36.

(*Propecuna*) *obliquissima* Tate, (*Cardita*) T.R.S.S.A., IX, 1887, p. 70, pl. 5, fig. 9.

Family CYAMIIDAE

Cyamiomactra Bernard

mactroides Tate and May, (*Cyamiium*) T.R.S.S.A., XXIV, 1900, p. 102.

Family CARDITIDAE

Cardita Bruguiere

calyculata Linnaeus, (*Chama*) Syst. Nat. X, 1758, p. 692.

Venericardia Lamarck

quoyi Deshayes, (*Cardita*) P.Z.S. Lond., 1852, p. 103.

amabilis Deshayes, (*Cardita*) P.Z.S. Lond., 1852, p. 102, pl. 17, figs. 8, 9.

bimaculata Deshayes, (*Cardita*) P.Z.S. Lond., 1852, p. 102, pl. 17, figs. 4, 5.

calva Tate, (*Cardita*) T.R.S.S.A., IX, 1887, p. 189, pl. 20, fig. 14.

columnaria Hedley and May, Rec. Aust. Mus., VII, 1908, p. 125, pl. 25, figs. 37-40.

Carditellopsis Iredale

elegantula Tate and May, (*Carditella*) P.L.S.N.S.W., XXVI, 1901, p. 463, fig. 14 in text.

Family CONDYLOCARDIA

Condylocardia Bernard

subradiata Tate, (*Carditella*) T.R.S.S.A., XI, 1888, p. 62, pl. 11, fig. 7.

Family ERYCINIDAE

Marikellia Iredale

rotunda Deshayes, (*Erycina*) P.Z.S. Lond., 1855, p. 181.

Family GALEOMMATIDAE

Solecardia Conrad

cryptozoica Hedley, P.L.S.N.S.W., XLI, 1917, p. 684, pl. 51, fig. 40.

Family CARDIIDAE

Cardium Linnaeus

pulchellum Gray, in Dieffenbach New Zealand II, 1843, p. 252.

Family VENERIDAE

Chioneryx Iredale

cardioides Lamarck, (*Erycina*) Anim. s. Vert. V, 1818, p. 486.

Tawera Marwick

gallinula Larmarck, (*Venus*) Anim. s. Vert. V., 1818, p. 592, No. 25.

Dosinia Scopoli

victoriae Gatliff and Gabriel, P.R.S. Vic., XXVII, 1914, (N.S.) p. 96, pl. 16, figs. 17-19.

Family HIATELLIDAE

Hiatella Daudin

australis Lamarck, (*Corbula*) Anim. s. Vert., V, 1818, p. 495.



