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AMENDMENTS TO IREDALE AND McMICHAEL'S  
"REFERENCE LIST OF THE MARINE MOLLUSCA OF  
NEW SOUTH WALES," 1962.

By

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INTRODUCTION

Since publication of the "Reference List of Marine Mollusca of New South Wales," descriptions of a number of new species found within the State have been published, and a number of new State records have been noted, in addition to which various errors in the Reference List have been found during searches connected with some species. In regard to new records, I have ignored those which have come to notice through hearsay evidence only, and those discussed below have been included only when the locality in which found is beyond doubt and the specimens have been personally examined and identified.

In checking various recent publications it was found that numerous species have been shown by the authors in different genera from those in which placed in the N.S.W. Reference List; also, especially in *Marine Molluscs of Victoria* (Macpherson and Gabriel, 1962), various family names have been used which are not shown in the Reference List and vice versa, and there are conflicting opinions regarding the placing of certain genera in various families. However, matters such as generic and family transfers can well wait until such time as an Australia-wide reference list is compiled, and at the present time would serve little useful purpose and complicate matters unnecessarily. The following list of amendments is therefore confined to my own personal observations regarding certain species, new records, and typographical errors. Opinions expressed by other authors in the list of references at the end of this paper, or in any other publications, are omitted.

The section of the Reference List dealing with the Subclass Opisthobranchia is to be amended in a separate paper by Mr. Robert Burn of Geelong, Victoria.



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MURICIDAE

Alter name *Haustellum espinosus* (Macpherson), 1959. Alter specific name to read *tweedianum* Macpherson. (Macpherson, 1962, *Mem. Nat. Mus. Melb.*, 25, p. 176.)

Alter species *Torvamurex denudatus immunitis* Iredale, 1936. *Torvamurex extraneus* Iredale, 1936.

I have already shown (Garrard, 1961 : 27) that the subspecies *immunitis* Iredale must be regarded as a synonym of *T. denudatus* (Perry), and for much the same reasons, the extreme variability of the fronding of the varices and the variation in single and double inter-variceal nodules, sometimes alternately on one specimen, the form *extraneus* must also be regarded as a synonym of *denudatus*. The above species and subspecies were based on variations which occur in many specimens right throughout the extensive range of *denudatus*, in both shallow and fairly deep water, from southern Queensland to Victoria and Tasmania. Reference: *T. denudatus* (Perry), 1811, *Conchology*, p. 7, fig. 2. Port Jackson, New South Wales. (Angas).

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THAISIDAE

Add to List *Mancinella echinata* (Blainville), 1832, *Nouv. Ann. Mus. Hist. Nat. Paris*, 1, pl. 11, fig. 2.

One specimen in 30 fathoms off Tweed Heads, New South Wales, collected and ident. T. A. Garrard; presented to Australian Museum, Sydney.

TEREBRIDAE

Alter genus *Terebra fictilis* Hinds, 1844.

*Terebra assimilis* Angas, 1867.

*Terebra bicolor* Angas, 1867.

These three species appear to have been shown under the genus *Terebra* s.s. in error. The type for the genus, *subulata* Linne, apart from its far larger size, has no impressed or incised line below the sutures nor any sign of subsutural nodules, the only sculpture being faint growth striations. The above three species are better placed in the genus *Pervicacia* Iredale, below, to the type of which they bear a fairly close general resemblance.

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TEREBRIDAE

Alter species *Dimidacus exultus* Iredale, 1931. I have carefully compared the holotype of this species with a number

of typical specimens of *cingulifera* Lamarck from northern Queensland, Fiji and New Guinea, and they are identical. Reference: *D. cingulifera* (Lamarck), 1822, *Hist. Anim. s. Vert.*, 7, p. 289.

Delete species *Dimidacus melamans* Iredale, 1929. I have carefully compared the holotype of this species with a number of typical specimens of *albomarginatus* Deshayes from southern Queensland and the two species are identical. The species *melamans* should be deleted from the List.

Alter species *Diplomeriza vallesia* (Hedley), 1912. The holotype and paratypes of this species have been compared with numerous specimens of *Diplomeriza bernardi* (Deshayes), 1857, from Queensland and northern New South Wales and they must be considered as synonymous. *D. bernardi* is a most variable species, the length/width ratio varying from 18% to 24%, the coloration varies from off-white to light reddish-brown and a fairly deep slate-grey, the colour band is found at the top, centre or bottom of the whorls, whilst the whorls vary in convexity. The dark brown coloration of the apical whorls and the impressed ledge below the sutures are fairly constant features. Reference: *D. bernardi* (Deshayes), 1857, *J. Conch.*, Paris, 6, p. 84, pl. 4, fig. 10. Australia.

Add to List *Triplostephanus lima* (Deshayes), 1857, *J. Conch.*, Paris, 6, p. 69, pl. 4, fig. 2. China Seas.

One live taken specimen from off Trial Bay, New South Wales, and two from 58-65 fathoms east of Caloundra, Queensland, in my collection. *T. cumingii* (Deshayes) also from China Seas and Japan appears to be the same species, lacking only the suffused reddish coloration.

CONIDAE

Add to List *Cylindrus omaria* (Bruguiere), 1792, *Ency. Meth. Vers.*, 1, p. 743. Indian Ocean.

One live taken specimen from Minnie Waters, northern New South Wales, taken by Mr. Keith Busch of Grafton, May 1963. Colour slide of specimen by Mr. Geoff Biddle of Grafton held in Australian Museum, Sydney.

Add to List *Rhizoconus advertex* Garrard, 1961, *J. Malac. Soc. Aust.*, 5, p. 30, pl. 1, fig. 1. Off Moreton Island, Queensland. 80 fathoms.

Several live taken specimens recorded from 25-30 fathoms off Evans Head and Ballina, New South Wales.



Add to List Genus *Leptoconus* Swainson, 1840, *Treat. Malac.*, p. 312. L.T. (Herrmannsen, 1847, *Ind Gen. Malac.*, 1, p. 584) *amadis* Martini (= *amadis* Gmelin).

Add to List *Leptoconus illawarra* Garrard, 1961, *J. Malac. Soc. Aust.*, 5, p. 31, pl. 1, fig. 2. East of Stanwell park, New South Wales, 75 fathoms.

Add to List Genus *Mamiconus* Cotton and Godfrey, 1932, *S. Austr. Naturalist*, 13, p. 69. O.T. *superstes* Hedley.

Add to List *Mamiconus minnamurra* Garrard, 1961, *J. Malac. Soc. Aust.*, 5, p. 32, pl. 1, figs. 4a, b. East of Botany Bay, New South Wales, 60 fathoms.

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#### CONIDAE

Add to List *Floraconus wallangra* Garrard, 1961, *J. Malac. Soc. Aust.*, 5, p. 29, pl. 1, fig. 3. East of Stanwell Park, New South Wales, 75 fathoms.

#### TURRIDAE

##### Subfamily TURRINAE

Add to List Genus *Unedogemmula* MacNeil, 1960, *U.S. Geol. Surv. Prof. Paper* 389, p. 101. O.T. *unedo* Kiener.

Add to List *Unedogemmula unedo* (Kiener), 1839-40, *Coq. Viv.*, 5, p. 19, pl. 14, fig. 1. "mers de l'Inde."  
One specimen off Broken Bay, New South Wales, 75 fathoms. (= *binda* Garrard, 1961 : 32; see Powell, 1966 : 48).

Add to List Subfamily TURRICULINAE

Add to List Genus *Comitas* Finlay, 1926, *Trans. N.Z. Inst.*, 56, p. 251, O.T. *oamarutica* Suter.

Add to List *Comitas murrayolga* (Garrard), 1961, *J. Malac. Soc. Aust.*, 5, p. 33, pl. 1, fig. 8. East of Broken Bay, New South Wales, 75 fathoms.

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#### ONCHIDIIDAE

*Onchidium damelii* Semper, 1882. Original spelling is *damelii* which must be altered to *daemelii* under Article 32 (c) (i) of the International Code.

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#### ODOSTOMIIDAE

Add to List *Herviera magis* Laseron, 1959, *Aust. J. Mar. Freshwater Res.*, 10, p. 212, fig. 83. Lindeman Island, Queensland.  
Identified from Port Stephens, New South Wales, by J. Voorwinde.

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#### "PYRAMIDELLIDAE"

##### Subfamily TURBONILLINAE

*Pyrgiscus varicifer* (Tate), 1898. Alter spelling of specific name to read *varicifera*.

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#### RETUSIDAE

*Retusa apicina* Gould, 1859. Alter plate reference in penultimate line to read 49.

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#### ARGONAUTIDAE

Add to List *Argonauta argo* Linne, 1758, *Syst. Nat.*, ed. 10, p. 708. One specimen in good condition washed up on beach just north of entrance to Twofold Bay, New South Wales, about 1947, in possession of Mrs. Warren of Eden, New South Wales; ident. T. A. Garrard.

#### REFERENCES

BERGMANS, W., 1968. A Survey of the species of the Genus *Pronucula* in New South Wales. *J. Malac. Soc. Aust.*, 11: 71-78.

GABRIEL, C. J., 1962. Additions to the Marine Molluscan Fauna of South Eastern Australia. *Mem. Nat. Mus., Vict.*, 25: 177-210.

GARRARD, T. A., 1961. Mollusca collected by m.v. 'Challenge' off the East coast of Australia. *J. Malac. Soc. Aust.*, 5: 2-37.

———, 1966. New species of Mollusca from Eastern Australia (Part 2) with notes on some known species. *J. Malac. Soc. Aust.*, 10: 3-12.

IREDALE, T. and D. F. McMICHAEL, 1962. A Reference List of the Marine Mollusca of New South Wales. *Mem. Aust. Mus.*, 11: 1-109.

MACPHERSON, J.H. and C. J. GABRIEL, 1962. *Marine Molluscs of Victoria*. Melbourne University Press, 475 pp.

POWELL, A. W. B., 1966. The Molluscan Families Speightiidae and Turridae. *Bull. Auck. Inst. Mus.*, 5: 1-184, 23 plates.