

# AUSTRALIAN GASTROPODS OF THE FAMILY BURSIDAE. PART 1.

## THE FAMILIES OF TONNACEA, THE GENERA OF BURSIDAE, AND REVISION OF SPECIES PREVIOUSLY ASSIGNED TO *TUTUFA* JOUSSEAUME, 1881

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### SUMMARY

In a brief anatomical survey of the Tonnacea, family groups recognised are Tonnidae (subfamilies Tonninae and Oocorythinae), Ficidae, Cassidae (subfamilies Cassinae and Phaliinae), Cymatiidae (subfamilies Cymatiinae, Ranellinae, Distorsioninae) and Bursidae.

In a generic classification of the Bursidae based on opercular, penial, and stomach anatomical features, variceal position is considered to have little taxonomic significance. Genera recognised are *Bursa* Röding, 1798 (with subgenera *Lampadopsis* Jousseume, 1881; *Bufonariella* Thiele, 1929 [= *Dulcerana* (Iredale, 1931, unavailable) Oyama, 1964 = *Annaperenna* Iredale, 1936 = *Tritonoranella* Oyama, 1964]; *Colubrellina* Fischer, 1884; *Crossata* Jousseume, 1881 (with (?) subgenus *Olequahia* Stewart, 1926); *Tutufa* Jousseume, 1881 (with subgenus *Tutufella*, new name for *Lampas* Schumacher, 1817, not of Montfort, 1808); *Bufonaria* Schumacher, 1817 [= *Buffo* Montfort, 1810, not of Lacépède, 1788, = *Marsupina* Dall, 1904, = *Chasmotheca* Dall, 1904, = *Bursina* Oyama, 1964, = *Gyrineum* of authors, not of Link, 1807] (with subgenus *Aspa* H. and A. Adams, 1853); and *Bechtelia* Emerson and Hertlein, 1964.

The species and subspecies placed in *Tutufa* and its "subgenus" *Tritonoranella* Oyama, 1964 (shown to be a synonym of *Bursa* (*Bufonariella*)) are classified as: *Bursa* (*Bufonariella*) *latitudo latitudo* Garrard, 1961, Queensland; *B. latitudo natalensis* Coelho & Matthews, 1970, W. Atlantic; *B. latitudo wolfei* n.subsp., Hawaii; *B. (Bufonariella) ranelloides ranelloides* (Reeve, 1844), southern Japan; *B. ranelloides tenuisculpta* Dautzenburg and Fischer, 1906, E. & W. Atlantic to South Africa; *B. ranelloides humilis* n. subsp., Western Australia; *Tutufa (Tutufa) bardeyi* (Jousseume, 1894), N. Indian Ocean; *T. (Tutufa) bubo* (Linnaeus, 1758), Indo-West Pacific; *T. (Tutufa) bufo* (Röding, 1798), Indo-West Pacific; *T. (Tutufella) rubeta* (Linnaeus, 1758), Indo-West Pacific; *T. (Tutufella) n. subgen.) oyamai* Habe, 1973, E. Indian Ocean and W. Pacific; *T. (Tutufella?) tenuigranosa* (E. A. Smith, 1914), South China Sea; and *T. aff. rubeta*, Mocambique. A neotype is designated for *Murex rana* var. *bubo* Linnaeus, 1758, and lectotypes are designated for several other species.

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