

# Living Scallops of Australia and Adjacent Waters (Mollusca: Bivalvia: Pectinoidea: Propeamussiidae, Cyclochlamydidae and Pectinidae)

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**ABSTRACT.** Recent Pectinoidea (Propeamussiidae, Cyclochlamydidae and Pectinidae) of Australia and neighbouring seas are revised and 105 pectinoidean species (30 species of Propeamussiidae, 2 of Cyclochlamydidae and 73 of Pectinidae) are recorded and compared with similar species from the tropical Indo-West Pacific and temperate Australasian regions. Seven species (five Propeamussiidae: *Parvamussium lamprelli*, *P. slacksmithae*, *P. whissoni*, *Cyclopecten reticulatus*, *Similipecten colmani*, and two Pectinidae: *Hyalopecten ponderi*, *Mimachlamys spinicostata*) are newly named. A further 29 species (12 Propeamussiidae and 17 Pectinidae) are new records from Australia. Subfamily Pedinae Bronn, 1862 and tribe Pedini have priority over subfamily Chlamydinae von Teppner, 1922 and tribe Chlamydini, and are adopted. The following taxa are newly synonymized: *Amussium electrum* Pelseneer, 1911 = *Propeamussium caducum* (Smith, 1885), *Amussium scrobiculatum* Schepman, 1908 = *Juxtamusium maldivense* (Smith, 1903), *Pecten lentiginosus* Reeve, 1853 and *Mimachlamys gavena* Iredale, 1939 = *Mimachlamys punctata* (Gmelin, 1791), *Pecten ustulatus* Reeve, 1853 = *Mimachlamys gloriosa* (Reeve, 1853). Lectotypes are designated for *Pecten superbus* G. B. Sowerby II, 1842, *Annachlamys leopardus rena* Iredale, 1939, *Pecten reevei* A. Adams & Reeve, 1850, *P. macassarensis* Chenu, 1845, *P. amaliae* Kobelt, 1887, *P. irregularis* G. B. Sowerby II, 1842, *P. cuneatus* Reeve, 1853, *Mimachlamys deliciosa* Iredale, 1939, *O. punctata* Gmelin, 1791, *Chlamys wilhelminae maculata* Bavay, 1904, *Pecten bednalli* Tate, 1887, *P. challengerii* Smith, 1891, *P. albolineatus* G. B. Sowerby II, 1842, and *P. lentiginosus* Reeve, 1853. Neotypes are designated for *Amusium magneticum* Röding, 1798, *Ostrea pedum* Röding, 1798, *Pleuronectia laevigata* Swainson, 1840, *Pecten funebris* Reeve, 1853, *Pecten roseopunctatus* Reeve, 1853, *P. elegantissimus* Deshayes, 1863, *P. quadriliratus* Lischke, 1870, and *Pecten (Amusium) milneedwardsi* Gregorio, 1898, and *Mesopeplum caroli* Iredale, 1929. A new combination is introduced for *Mimachlamys punctata* (Gmelin, 1791) (= *Pecten lentiginosus* Reeve, 1853).

**KEYWORDS.** new taxa; new records; new synonyms; distribution; terminology; Bivalvia; Pectinoidea

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