



Platyischnopidae*

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Abstract

Two genera and two species of Platyischnopidae are recorded from the Great Barrier Reef: *Platyischnopus mam* Barnard & Drummond and a new species *Tomituka eumilli* **sp. nov.**

Key words: Crustacea, Amphipoda, Platyischnopidae, Great Barrier Reef, Australia, taxonomy, new species, *Platyischnopus mam*, *Tomituka eumilli*

Introduction

Platyischnopidae are fossorial amphipods readily identifiable by the cone-shaped rostrum covered with apical sensory pits. When present in samples, platyischnopids may number in the 10's to 100's of individuals (pers. obs.). *Platyischnopus mam* Barnard & Drummond, 1979, was originally described from New South Wales. This new record extends this species distribution further north from temperate to tropical waters. *Tomituka eumilli* **sp. nov.** is the second species described in this Australian endemic genus.

Material and methods

The descriptions were generated from a DELTA database (Dallwitz 2005) to the Platyischnopidae genera and species of the world. All material is lodged in the Australian Museum, Sydney (AM). A set of colour plates, a list of standard abbreviations and detailed station data is available in Lowry & Myers (2009). A CD (*Benthic Amphipoda (Crustacea: Peracarida) of the Great Barrier Reef: Interactive Keys*) is available with the book or the keys can be accessed at the crustacea.net website.

Platyischnopidae Barnard & Drummond, 1979

Platyischnopus Stebbing, 1888

Platyischnopus mam Barnard & Drummond, 1979

(Figs 1, 2, Pl. 6A)

?*Platyischnopus mirabilis*. —Chilton, 1922: 4, fig. 1 (not Stebbing, 1888).

Platyischnopus mam Barnard & Drummond, 1979: 11, figs 6–8. —Barnard & Karaman, 1991: 642. —Lowry & Stoddart, 2003: 242.