



Phliantidae*

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Abstract

Pereionotus thomsoni Stebbing is redescribed based on new material from the Great Barrier Reef. This phliantid amphipod has a depressed body. It can be recognized by mid-dorsal hump-like carinae and the typical shape of the basis of pereopod 7 which is constricted posterodistally.

Key words: Crustacea, Amphipoda, Phliantidae, Great Barrier Reef, Australia, taxonomy, *Pereionotus thomsoni*

Introduction

Phliantids are unusual amphipods which at the first glance reminds one of isopods due to their dorsoventral depression. All phliantids have in common a dorsal keel consisting of humps and the coxal plates of pereopods 1–4 are directed laterally. Although phliantids are well known in temperate Australia, this is the first record from the tropics.

Materials and methods

The descriptions were generated from a DELTA database (Dallwitz 2005). 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). Illustrations were made using the methods described in Coleman (2003, 2006). 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.

Phliantidae Stebbing, 1899

Pereionotus Bate & Westwood, 1863

Pereionotus thomsoni Stebbing, 1899

(Figs 1, 2, Pl. 5C)

Pereionotus thomsoni Stebbing, 1899: 417, pl. 35A. —Barnard & Karaman, 1991: 587. —Lowry & Stoddart, 2003: 222 (catalogue).

(?) *Pallinotus thomsoni japonicus* Hirayama, 1987: 35, pl. 245–246.

Palinnotus thomsoni. —J.L. Barnard, 1972: 295, pl. 176–179.