Zootaxa 2260: 458–462 (2009)
www.mapress.com/zootaxa/

Article

ISSN 1175-5326 (print edition)
ZOOTAXA
ISSN 1175-5334 (online edition)

Iphimediidae*

CHARLES OLIVER COLEMAN
Humboldt-University, Museum für Naturkunde Berlin, Abteilung Sammlungen, D-10099 Berlin, Germany. (oliver.coleman@mfn-berlin.de)

* *In:* Lowry, J.K. & Myers, A.A. (Eds) (2009) Benthic Amphipoda (Crustacea: Peracarida) of the Great Barrier Reef, Australia. *Zootaxa*, 2260, 1–930.

Abstract

The new species *Iphimedia schminkei* is described from Lizard Island, Great Barrier Reef, Australia. On pereonite 7 and pleonites 1-3 it has a keel-like elevation, short, paired dorsal processes and fringes of microtrichs on the posterior segmental margins. The maxilla 1 palp is longer than the outer plate and the pereopod 7 basis has 2 pointed processes on the posterior margin and an additional small tooth posteroventrally.

Key words: Crustacea, Amphipoda, Iphimediidae, Great Barrier Reef, Australia, taxonomy, new species, *Iphimedia schminkei*

Introduction

There are several species of iphimediid amphipods known from Australia (Coleman & Lowry 2006), mainly from New South Wales and Western Australia, but none of these occurs in the Great Barrier Reef region. However, there are tropical species living north of the Great Barrier Reef. Seven iphimediid species from New Caledonia, Papua New Guinea and Thailand were described by Lowry & Myers (2003).

Not much is known on the biology of Iphimediidae. In the Antarctic where most of the iphimediid species live, some of them are associated with sponges, cnidarians and one species is adapted to feed on bryozoans (Coleman 1989a, 1989b, 1991).

Materials and methods

The description was generated from a DELTA database (Dallwitz 2005). Material was hand-collected on scuba and 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.

 Accepted by A.A. Myers: 15 Jun. 2009; published: 8 Oct. 2009