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Exoedicerotidae*

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Abstract

This paper reports on a new species of *Parhalimedon* from the Great Barrier Reef, Australia.

Key words: Crustacea, Amphipoda, Exoedicerotidae, Great Barrier Reef, Australia, taxonomy, new species, *Parhalimedon kyhursti*

Introduction

The family Exoedicerotidae includes 19 species in 12 genera, seven of which are monotypic. All species in the family are known from the southern hemisphere except for three: *Kanaloa manoa* J.L. Barnard, 1970, from Hawaii; *Vadosiapus copacabanus* Barnard & Thomas, 1988 from Brazil; and *Metoediceropsis dadoensis* Dang, 1968 from Vietnam.

The genus *Parhalimedon* currently contains two species: *P. tropicalis* J.L. Barnard, 1961 from deep water (200 m+) off the northern coast of New South Wales, western Tasman Sea and *P. turqueti* Chevreux, 1906 from South Georgia and the Antarctic Peninsula in 20 – 25 m depth. *Parhalimedon kyhursti* **sp. nov.**, described here from shallow-waters of the Great Barrier Reef, is the third species for the genus. Although limited material of *Parhalimedon kyhursti* **sp. nov.** is known, only 47 individuals from two sites, records indicate a large geographic range, from Lizard Island and Heron Island at the northern and southern extents of the Great Barrier Reef, respectively.

Methods and materials

The descriptions were generated from a DELTA database (Dallwitz 2005) to the Exoedicerotidae genera and *Parhalimedon* species of the world. Material reported 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.

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