



Chevaliidae*

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

Abstract

A new species of chevaliid is reported from the Great Barrier Reef. It is compared with *Chevalia pacifica* Myers from Papua New Guinea, with *C. aviculae* Walker from Sri Lanka and with material attributed to *C. aviculae* from Fiji.

Key words: Crustacea, Amphipoda, Chevaliidae, Great Barrier Reef, Australia, taxonomy, new species, *Chevalia tenuis*

Introduction

The Chevaliidae is a monotypic family of tropical amphipods with five previously described species and several further species currently without formal names. They are rather fragile amphipods that are easily recognised in samples, due to their characteristic body shape. Their way of life is, however, unknown.

Material and methods

The descriptions were generated from a DELTA database (Dallwitz 2005) to chevaliid species. 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). 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.

Chevaliidae Myers & Lowry, 2003

Chevalia Walker, 1904

Chevalia tenuis sp. nov.

(Figs 1, 2)

Type material. Holotype, male, 2.5 mm, AM P71428, Yonge Reef, Half Mile Opening (14°34.556'S 145°36.726'E), *Halimeda* sp. (green coralline alga), 16 m, P.B. Berents, 4 March 2005 (QLD 1808). Paratype: 1 female, AM P77549, same data as holotype.

Additional material examined. 3 males, 3 females, AM P77551 (JDT/LIZ 3); 1 male, 1 female, AM