



More pontoniine shrimps (Crustacea: Decapoda: Palaemonidae) from the CReefs 2009 Heron Island expedition

A. J. BRUCE

Crustacea Section, Queensland Museum, P. O. Box 3300, South Brisbane, Queensland, Australia 4101. E-mail: abruce@broad.net.au

Abstract

Recent collections of pontoniine shrimps from Heron Island, southern Great Barrier Reef, have provided additions to the Australian marine fauna. More material is now available indicating further taxa can be added to the Heron Island pontoniine fauna species list. *Periclimenaeus heronensis* **sp. nov.**, probably a sponge associate, and *P. creefi* **sp. nov.**, probably an ascidian associate, are described and illustrated. Additional records are provided of *Onycocaris spinosa* Fujino & Miyake and *Periclimenaeus pachydentatus* Bruce. Comments are also provided on the morphology of *Periclimenaeus usitatus* Bruce.

Key words: Crustacea, Decapoda, Pontoniinae, *Periclimenaeus heronensis*, *P. creefi* **spp. nov.**, Heron Island, Great Barrier Reef, additional records of *Onycocaris spinosa*, *Periclimenaeus pachydentatus*, *Periclimenaeus usitatus* morphology

Introduction

A recent contribution to this journal reported the presence of 109 species of pontoniine shrimp on Heron Island on the southern Great Barrier Reef (Bruce, 2010). The material collected by the CReefs 2009 Heron Island Expedition in November 2009 has provided further specimens that clearly indicate that the fauna of this small reef is still not completely known and that further collecting will surely provide more additions. The specimens included in this report raise to 111 the number of species now known from the reefs surrounding Heron Island.

The specimens are deposited in the collections of the Museum of Tropical Queensland, Townsville.

Abbreviations used: CL, post-orbital carapace length; NHM, the Natural History Museum, London; QM, Queensland Museum, Brisbane; RMNH, Nationaal Natuurhistorisch Museum Naturalis, Leiden.

Systematics

Palaemonidae Rafinesque, 1815

Pontoniinae Kingsley, 1879

Genus *Onycocaris* Nobili, 1904

Onycocaris spinosa Fujino & Miyake, 1969

Onycocaris spinosa Fujino & Miyake, 1969: 429–435, figs. 13–15. — Bruce, 1985: 9–10, fig. 7. — Bruce, 1990: 11. — Davie, 2002: 316.