



New species and new records of Caridea (Hippolytidae: Pasiphaeidae) from New Zealand*

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* In: De Grave, S. & Fransen, C.H.J.M. (2010) Contributions to shrimp taxonomy. *Zootaxa*, 2372, 1–414.

Abstract

New species and new records of caridean shrimps are recorded from New Zealand. The hippolytid genera *Leontocaris* and *Merhippolyte*, and pasiphaeid genus *Alainopasiphaea* are reported for the first time from New Zealand waters, exemplified by three species of *Leontocaris*, *Merhippolyte chacei* and *Alainopasiphaea australis*, respectively. The three species of *Leontocaris*, *M. chacei* and *A. australis* were each previously known only from southern Australia. A new species of *Lebbeus*, the second to be recorded from New Zealand, is described. *Lysmata vittata* is recorded for the first time from New Zealand.

Key words: Crustacea, Decapoda, Caridea, *Lebbeus*, *Leontocaris*, *Lysmata*, *Merhippolyte*, *Alainopasiphaea*, New Zealand

Introduction

Deep and shallow water marine surveys conducted around New Zealand over the past decade by the National Institute of Water and Atmospheric Research (NIWA) have resulted in discovery numerous new distributional records and the discovery of new species of decapod Crustacea (e.g., Webber 2004; Bruce 2005; McLay 2007, 2009; Ah Yong 2007, 2008, 2009). The caridean shrimp genera *Leontocaris*, *Merhippolyte* and *Alainopasiphaea* are herein reported from New Zealand for the first time, a new species of *Lebbeus* is described, and first records of *Lysmata vittata* from the region are documented.

Materials and Methods

Total carapace length (tcl) is measured along the carapace midline from the tip of the rostrum to the posterior margin of the carapace. Carapace length (cl) is measured from the posterior margin of the orbit to the posterior margin of the carapace. Specimens examined are deposited in the NIWA Invertebrate Collection (NIWA) and NIWA Biosecurity Collection (NIWA (MITS)), both at Wellington, New Zealand, and Museum Victoria, Melbourne (NMV).

Taxonomic Account

Hippolytidae Bate, 1888

Lebbeus cristatus sp. nov.

(Figs. 1–3A)