



<http://dx.doi.org/10.11646/zootaxa.3754.4.7>

<http://zoobank.org/urn:lsid:zoobank.org:pub:33B82C26-7192-4B25-AB47-F49EEC4C23D2>

***Periclimenaeus* species (Crustacea: Decapoda: Pontoniinae) from Hawaii**

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Abstract

Two specimens of an undescribed species of pontoniine shrimp of the genus *Periclimenaeus* Borradaile 1915 from Maui Island, Hawaiian Islands, are described and illustrated, raising to three the number of species known from the Hawaiian Islands. The new species is remarkable for the greatly reduced molar process and sharp lateral cutting edge on the major second pereopod dactyl and most closely resembles *P. tchesunovi* Āuriš, 1990. Host animals not identified. *Periclimenaeus devaneyi* Bruce, 2010 also has its colouration described for the first time.

Key words: *Periclimenaeus*, Decapoda, Pontoniinae, Hawaii, taxonomy, colour patterns, *P. devaneyi* Bruce, 2010, *P. aurantiacus* sp. nov.

Introduction

Few species of the pontoniine shrimp genus *Periclimenaeus* Borradaile, 1915, have been reported from the Hawaiian Islands. Rathbun (1906) reported *Coralliocaris quadridentata*, now *Periclimenaeus quadridentatus* (Rathbun, 1906) from Auau Channel, between Maui and Lanai Islands, in the Hawaiian Islands. Charles Edmondson (1946) also reported *P. tridentatus* (Miers, 1844) and *P. quadridentatus* from Hawaii. These specimens have been recently re-examined (Bruce, 1912) and the latter identification can be confirmed. Numerous specimens in the collections of the Bishop Museum examined by Edmondson are all labelled as *P. tridentatus* and these are conspecific with *P. quadridentatus*. Additionally Bruce (2010) reported *P. devaneyi* Bruce, 2010, from Kahe Point, Oahu.

The discovery of two specimens of an undescribed species of *Periclimenaeus* in 2007 and 2013 from Maalaea Bay, Maui Island is of interest. The host species were not identified. The species is now described and illustrated and the holotype specimen is deposited in the collections of the Florida Museum of Natural History, University of Florida, and paratype in the Queensland Museum, Brisbane.

Periclimenaeus devaneyi is known only from the Hawaiian type material and its host and colouration were not recorded. The single specimen collected provides further information on the latter of these topics. The specimen is also deposited in the Queensland Museum, Brisbane.

Abbreviations used: CL, post-orbital carapace length; FMNH UF, Florida Museum of Natural History, University of Florida; QM, Queensland Museum, Brisbane.

Systematics

Palaemonidae Rafinesque, 1815

Pontoniinae Kingsley, 1879

Genus *Periclimenaeus* Borradaile, 1915

Acknowledgements

I am most grateful to Cory Pittman and Dr Gustav Paulay for the opportunity to examine these specimens and Cory Pittman for the use of his photos. This study was facilitated by support from the Australian Biological Resources Study.

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