



Bogidiellidae*

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Abstract

The new amphipod species *Xystriogidiella juliani* from the Great Barrier Reef is described. Characteristics for this species are the 2-articulate accessory flagellum, a short second article of the maxilla 1 palp, the lack of inner rami on the pleopods and a short, emarginate telson. A short description of *Xystriogidiella capricornea*, a second species occurring in the Great Barrier Reef, is given additionally.

Key words: Crustacea, Amphipoda, Bogidiellidae, Great Barrier Reef, Australia, taxonomy, new species, *Xystriogidiella capricornea*, *Xystriogidiella juliani*

Introduction

Most bogidiellid species live in inland ground-waters but a few species occur in marine interstitial habitats. Stock (1984) described the first Bogidiellidae from the Pacific, a new species from the Great Barrier Reef, *Bogidiella* (*Xystriogidiella*) *capricornea*, collected close to Heron Island. Koenemann & Holsinger (1991) raised all bogidiellid subgenera to generic level status. This was followed herein. We collected another new *Xystriogidiella* species on Lizard Island and described it herein.

Materials and methods

The descriptions were generated from a DELTA database (Dallwitz 2005). A set of colour plates, a list of standard abbreviations and detailed station data is available in Lowry & Myers (2009). Illustrations were made using the methods described in Coleman (2003, 2006). 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.

Bogidiellidae Hertzog, 1936

Xystriogidiella Stock, 1984

Xystriogidiella juliani sp. nov.

(Figs 1, 2)

Type material. Holotype, male, 1.6 mm, AM P71601, Research Beach, Lizard Island (14°40.856'S