



## Eusiridae\*

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### Abstract

An eusirid amphipod was found around Lizard Island on the Great Barrier Reef. It is described as *Tethygeneia* aff. *pacifica*. It has large eyes. Gnathopods 1 and 2 are subequal, their carpal lobes are only weakly produced, and carpus and propodus are subequal in length on both appendages. The telson is only weakly tapering distally and has wide rounded apices.

**Key words:** Crustacea, Amphipoda, Eusiridae, Great Barrier Reef, Australia, taxonomy, *Tethygeneia* aff. *pacifica*

### Introduction

*Tethygeneia pacifica* was originally described from Hawaii by Schellenberg (1938) and later reported from other widely separated localities of the Indo-Pacific region (Madagascar, Society Islands, Red Sea and now the Great Barrier Reef). Specimens found in these locations slightly differ from each other and it is not clear if all these populations represent one single species.

### Materials and methods

The description was generated from a DELTA database (Dallwitz 2005). All material is lodged in the Australian Museum, Sydney (AM). A set of colour plates, 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.

### Eusiridae Stebbing, 1888

#### *Tethygeneia* J.L. Barnard, 1972

#### *Tethygeneia* aff. *pacifica* (Schellenberg, 1938)

(Figs 1, 2, Pl. 3D)

*Pontogeneia pacifica* Schellenberg, 1938: 35–37, fig. 17. —Ruffo, 1938: 158–159. —J.L. Barnard, 1955: 5. —J.L. Barnard, 1970: 110, figs 62–64. —J.L. Barnard, 1971: 6, figs 29–30. —Ledoyer, 1967: 127, fig. 6. —Ledoyer, 1979: