



## Liljeborgiidae\*

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### Abstract

The new species *Liljeborgia joergpeteri* is described from Lizard Island and Orpheus Island, Great Barrier Reef, Australia. Characteristic for this species is: the pleonite and urosomite dorsal serration formula 3–3–0–0–0; large rounded eyes; an entire upper lip; and the asymmetrical notched telson apices.

**Key words:** Crustacea, Amphipoda, Liljeborgiidae, Great Barrier Reef, Australia, taxonomy, new species, *Liljeborgia joergpeteri*

### Introduction

Only three species of *Liljeborgia* Bate, 1862 are known from Australia: *L. dubia* (Haswell, 1879), *L. aequabilis* (Stebbing, 1888) and *L. polonius* Hughes & Lowry, 2006. In the Great Barrier Reef region lives another species that is new to science. It is described herein.

Not much is known about the biology of *Liljeborgia*. Most species seem to be epifaunal nestlers and detritus feeders (Enequist 1949). Vader (1995) found *L. aequabilis* to be a common associate of hermit crabs in eastern and southern Australia.

### Materials and methods

The description was generated from a DELTA database (Dallwitz 2005). Material was hand-collected on scuba or snorkel and is lodged in the Australian Museum, Sydney (AM). 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.