



The genera *Carpias* Richardson, *Ianiropsis* Sars and *Janaira* Moreira & Pires (Isopoda: Asellota: Janiridae) from Australia, with description of three new species

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Abstract

Three new species of janirid isopods are described: *Carpias montaguensis* **sp. nov.**, *Ianiropsis alanmillari* **sp. nov.** and *Janaira platyoura* **sp. nov.**; all three were collected in shallow waters of southern New South Wales, Australia. Our report represents new records for these genera in Australian waters. *Janaira platyoura* **sp. nov.** is the second species added to this genus, so a revision of generic diagnosis was required. The diagnostic features of *Carpias* and *Ianiropsis* are also discussed and a new combination for the species *Ianiropsis varians* Winkler & Brandt, 1993 is proposed. Keys to the species of *Carpias* and *Ianiropsis* are presented.

Key words: Asellota, Janiridae, *Carpias*, *Ianiropsis*, *Janaira*, new records, new species, Australia

Introduction

The cosmopolitan isopod family Janiridae includes more than 170 species distributed among 23 genera. Members of this family are typically found in shallow marine waters, although deep-sea and freshwater species are known. Wilson and Wägele (1994) reviewed the Janiridae, providing a new composition for this family and rediagnosing the genera. A phylogenetic analysis (Wilson, 1994) showed that Janiridae cannot be considered a monophyletic family.