

New Species of *Cerapus* from Australian Waters (Amphipoda: Senticaudata: Ischyroceridae)

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ABSTRACT. Five new species of tube building amphipods in the genus *Cerapus* are described from Australian waters: *Cerapus brevirostris* sp. nov., *C. chiltoni* sp. nov., *C. dildilgang* sp. nov., *C. lowryi* sp. nov. and *C. moonamoona* sp. nov. All five new species build tubes from sediment or sediment and detritus. These bring the number of species of *Cerapus* in Australian waters to ten. A key to Australian species is provided.

Introduction

This work represents a continuation of the study of the Cerapodini by J. K. Lowry and P. B. Berents. Jim Lowry's first work on the Cerapodini was to describe three new species of *Cerapus* from New Zealand (Lowry, 1981), which are now attributed to the genus *Notopoma* (Lowry & Berents, 1996). The status of the type species of the genus, *Cerapus tubularis* Say, 1817, was clarified by Lowry & Berents (1989) and the genus is now represented worldwide by 24 species (Table 1).

Five species of *Cerapus* are known in Australian waters from the northern Great Barrier Reef, south around the Australian continent to Ningaloo Reef, Western Australia, from intertidal to depths of 165 m on the continental shelf (Table 1). Five new species of Australian *Cerapus* are described herein bringing the total number of species in Australian waters to ten.

Materials and methods

The species descriptions were generated from a DELTA database (Dallwitz, 2010) to the species of Cerapodini of the world and subsequently edited to improve the language. Characters in **bolded** text are diagnostic. Material is lodged in the Australian Museum, Sydney (AM), Museums Victoria, Melbourne (MV) and the South Australian Museum, Adelaide (SAM). The following abbreviations are used in the figures: **A**, antenna; **G**, gnathopod; **P**, pereopod; **PL**, pleopod; **U**, uropod; **UR**, urosome; **l**, left; **r**, right. The terminology for cuticular structures follows Watling (1989).

Locality data presented in *Material examined* includes museum station data codes (e.g., MI WA-480, SWA-56, MI NSW 3369, K80-20-11).

Keywords: Crustacea, Amphipoda, Ischyroceridae, Cerapodini, *Cerapus*, Australia, new species, taxonomy, tube building

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