

Stegocephalidae (Crustacea: Amphipoda) from Australia and New Zealand, With Descriptions of Eight New Species

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ABSTRACT. The species belonging to the marine amphipod (Crustacea) family Stegocephalidae Dana, 1852 from Australia and New Zealand are reviewed; 25 species are recognized, and a key to the species is presented. Eight new species from the area are described: *Andaniexis andaniexis* n.sp., *Andaniexis elinae* n.sp., *Glorandaniotes sandroi* n.sp., *Glorandaniotes traudlae* n.sp., *Stegocephaloides gunnae* n.sp., *Stegocephaloides ingstadi* n.sp., *Stegocephaloides tori* n.sp., and *Stegocephaloides tucki* n.sp.

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Until recently, only six stegocephalid species, belonging to five genera, were known from Australia and New Zealand: *Andaniotes corpulentus* Stebbing, 1897, *Andaniotes wallaroo* J.L. Barnard, 1972, *Parandania boeckii* Stebbing, 1897, *Stegocephalopsis latus* (Haswell, 1879), *Stegosoladidus simplex* (K.H. Barnard, 1930), and *Tetradion crassum* (Chilton, 1883). Berge (2001a,b) and Berge & Vader (2000) then described six new species and also reported three species as new for the area (in one case re-established *Andaniotes abyssorum* (Stebbing, 1888) as a valid species, see Berge, 2001b). At present, including the species that are recognized herein, the number of stegocephalid species in the area has increased to 25, belonging to 10 different genera.

This paper is a review of the stegocephalid genera and species found in Australia and New Zealand. Phylogenetic relationships between and within the genera are at present not resolved. Pending a revision and a phylogenetic analysis of the entire family (Berge & Vader, 2001b), these relationships will not be discussed herein. Thus, the generic position of all new species described herein strictly follow

the diagnoses of genera presented by J.L. Barnard & Karaman (1991).

During the last years, the number of recorded stegocephalid genera and species in Australia and New Zealand has increased significantly. In the present paper, the number of genera found in the area is increased from 5 to 10: *Andaniella* Sars, 1891, *Andaniexis* Stebbing, 1906, *Glorandaniotes* Ledoyer, 1986, *Phippsia* Stebbing, 1906, and *Stegocephaloides* Sars, 1891 are all recorded for the first time in the area. Of these five genera, *Andaniexis*, *Phippsia* and *Stegocephaloides* have been considered to be mainly North Atlantic and Arctic genera that had not previously been recorded outside the Atlantic. The two other genera, *Andaniella* and *Glorandaniotes*, had both previously been recorded from adjacent areas.

Material and methods

This study is based upon material from the Australian Museum, Sydney (AM) and Museum Victoria, Melbourne (MV).

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