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A new species of *Waldeckia* from the Austral Isles, Society Islands (Amphipoda, Lysianassoidea, Lysianassidae, Waldeckiinae)

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Abstract

A new species of the scavenging lysianassid amphipod genus *Waldeckia*, *W. bamberi* sp. nov., is described from the Austral Isles, Society Isles, the first record of *Waldeckia* on the Pacific Plate.

Key words: Crustacea, Amphipoda, Lysianassoidea, Waldeckiinae, *Waldeckia*, Australia, taxonomy, new species

Introduction

Lowry & Kilgallen (2014) recently revised the scavenging lysianassid genus *Waldeckia*. They increased the number of species in the genus from 8 to 14 and extended its distribution west into the Andaman Sea and as far north as Japan. They discussed its possible migration patterns since the breakup of Gondwanaland, demonstrating an expansion from the Australian Plate onto the Eurasian Plate, the Sunda Plate and smaller plates to the east.

Waldeckia has never been reported from the Pacific Plate. However among the collections of the Australian Museum we found a new species of *Waldeckia* from the Austral Isles, far out on the Pacific Plate. The unexpected presence of *Waldeckia* in the Austral Isles indicates that it should occur in other areas of the western South Pacific and that there is another complex of *Waldeckia* species yet to be discovered. If *Waldeckia* moved to the Austral Isles by active migration then it crossed some very deep water. This is plausible because *Waldeckia* has been recorded from abyssal depths in the western Tasman Sea (Lowry & Kilgallen 2014).

Waldeckia Species

<i>W. australiensis</i> (Haswell, 1879b)	Australia
<i>W. bamberi</i> sp. nov.	Austral Isles, Society Islands
<i>W. brachycephala</i> Ren, 1998	South China Sea
<i>W. crenulata</i> Pirlot, 1936	Sulu Archipelago; Philippines
<i>W. dempseyae</i> Lowry & Kilgallen, 2014	Australia
<i>W. enoei</i> Stephensen, 1931	Australia; Indonesia
<i>W. kroyeri</i> (White, 1847)	Australia
<i>W. nitens</i> (Haswell, 1879a)	Australia
<i>W. nudum</i> (Imbach, 1967)	Vietnam, South China Sea
<i>W. obesa</i> (Chevreux, 1905)	Antarctica
<i>W. orchospina</i> (Hirayama, 1986)	Japan
<i>W. selayarensis</i> Lowry & Kilgallen, 2014	Australia; Indonesia
<i>W. tangaroa</i> Lowry & Kilgallen, 2014	Australia, Tasman Sea
<i>W. tomiokaensis</i> (Hirayama, 1986)	Japan
<i>W. warreen</i> Lowry & Kilgallen, 2014	Australia