



## A new genus and new species of leucosiid crab from New Caledonia, with a note on the validity of *Tanaoa serenei* (Richer de Forges, 1983) (Crustacea: Decapoda: Brachyura)

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### Abstract

*Randallia serenei* Richer de Forges, 1983, is shown to be a distinct species and not a synonym of *Tanaoa distinctus* (Rathbun, 1894). Two other species currently placed in *Randallia*, *R. granulata* Miers, 1886, and *R. speciosa* Chen, 1989, are also transferred to *Tanaoa* Galil, 2003. A new genus and new species of leucosiid crab, *Galilia narusei*, is also described from New Caledonia. While superficially resembling species of *Toru* Galil, 2003, it differs markedly in its very granular carapace, rounded intestinal tubercles, short male chelipeds and ambulatory legs as well as a gently bent male first pleopod. The nomenclature of *Randallia pustulilabris* Alcock, 1896, is also discussed, and *Ihleorandallia* Števíč, 2005, a *nomen nudum*, is shown to be a junior synonym of *Toru*.

**Key words:** Leucosiidae, New Caledonia, Guam, Hawaiian Is., Indo-West Pacific region, new genus, new species, *Toru*, *Tanaoa*, *Randallia*, *Ihleorandallia*

### Introduction

Galil (2003) revised the circumtropical leucosiid genus *Randallia* Stimpson, 1857, and split it into five taxa, viz. *Randallia* Stimpson, 1857 *sensu stricto*, and four new wholly Indo-West Pacific genera, *Tanaoa*, *Tokoyo*, *Toru* and *Urashima*. There are, however, still problems with *Randallia* Stimpson, 1857 *sensu stricto*. Galil (2003) included 12 species in this genus: *Ilia ornata* Randall, 1839 (type species) (= *R. angelica* Garth, 1940), *R. agaricias* Rathbun, 1898, *Ebalia americana* Rathbun, 1894, *R. bulligera* Rathbun, 1898, *R. curacaoensis* Rathbun, 1922, *R. glans* Alcock, 1896, *R. gilberti* Rathbun, 1906, *R. granulata* Miers, 1886, *Persephona* (*Myropsis*) *laevis* Borradaile, 1916, *R. minuta* Rathbun, 1935, *R. nana* Zarenkov, 1990, and *R. pustulilabris* Alcock, 1896, but she admitted that other than *R. ornata*, the other species “are herein retained in *Randallia* s. s. pending further revision, rather than leave them as *incertae sedis*” (Galil 2003: 396, 401). Two species have since been removed from *Randallia*: *R. nana* Zarenkov, 1990, to *Ancylodactyla* Galil, 2004, and *R. glans* Alcock, 1896, to *Ebalia* Leach, 1817 (Galil, 2004).

Here we discuss the taxonomy of some of the species now placed in *Randallia*, resurrect *R. serenei* Richer de Forges, 1983, which was synonymised with *Tanaoa distinctus* (Rathbun, 1894) by Galil (2003). We also describe a new genus and new species of leucosiid from New Caledonia which superficially resembles members of the genus *Toru* Galil, 2003. Specimens examined are deposited in the Zoological Reference Collection (ZRC) of the Raffles Museum of Biodiversity Research, National University of Singapore; and Muséum national d’Histoire naturelle, Paris (MNHN). Measurements are of the carapace length (measured from tip of