



***Coralliocaris junckeri*, a new pontoniine shrimp species (Crustacea: Decapoda: Palaemonidae) from Futuna Island, Central Pacific**

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Abstract

A new pontoniine shrimp species, family Palaemonidae, genus *Coralliocaris* Stimpson, 1860, *C. junckeri* sp. nov., is described based on an ovigerous female specimen from Futuna Island, Futuna Reef in the central Pacific. The new species can be distinguished from its congeneric counterparts by its second pereopod chelae, the fingers of the first pereopods, the unarmed rostrum and the colour pattern.

Key words: Crustacea, Decapoda, Palaemonidae, Pontoniinae, *Coralliocaris*, new species, Futuna Island, Central Pacific

Introduction

To date, ten valid species of the coral associated pontoniine genus *Coralliocaris* Stimpson, 1860 have been recognized (Mitsubishi & Takeda, 2008), all of them are distributed in the Indo-West Pacific, and about half of them have their ranges extending eastward to the central Pacific: *C. brevirostris* Borradaile, 1898 and *C. taiwanensis* (Fujino & Miyake, 1972) to Fiji, Tonga and Samoa, *C. graminea* (Dana, 1852) to Tonga, Samoa and Hawaii, and *C. superba* (Dana, 1852), *C. nudirostris* (Heller, 1861), and *C. viridis* Bruce, 1974 to Polynesia.

During a fieldwork of the second author to Wallis & Futuna in October 2007 a *Coralliocaris* specimen, which represents a new species, was collected at low tide at Futuna Island by his colleague Matthieu Juncker (see Poupin & Juncker, 2008). The new species is described and illustrated in the present paper. The type is deposited in the Muséum national d'Histoire naturelle, Paris (MNHN). The carapace length (cl) is the distance between the level of the postorbital margin to the dorsoposterior margin of the carapace.

Taxonomic account

Family Palaemonidae Rafinesque, 1815

Subfamily Pontoniinae Kingsley, 1878

Genus *Coralliocaris* Stimpson, 1860

***Coralliocaris junckeri*, sp. nov.**

(Figs. 1–4)

Coralliocaris sp. —Poupin & Juncker, 2008: 32, pl. 1e (specimen described herein).

Material examined. 1 ovigerous ♀ (cl 3.5 mm), holotype, Wallis & Futuna, CRISP 2007 expedition, 14 October 2007, station 14, Futuna Island, Vainifao reef, 14°18'32''S, 178°08'30''W, snorkeling in low intertidal, coll. M. Juncker, in coral, with pincers, MNHN-Na 17054.