



## ***Onycocaris longirostris* Bruce, 1980 (Crustacea: Decapoda: Pontoniinae), new to the Australian fauna**

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### **Abstract**

A heterosexual pair of specimens of *Onycocaris longirostris* Bruce, 1980, previously known only from the single incomplete male holotype from New Caledonia, are reported from the Kimberley region of Western Australia. With the male major second pereiopod and both female second pereiopods, these intact specimens enable the description of the species to be completed. A new record for Australian waters, it increases to 8 the number of *Onycocaris* species known from Australia.

**Key words:** Crustacea, Decapoda, Pontoniinae, *Onycocaris longirostris* Bruce, 1980, second record, Kimberley region, Western Australia, *Callyspongia* host, description of second pereiopod chelae

### **Introduction**

The heterosexual pair of specimens collected during the Western Australian Museum 2011 Kimberley Survey, sponsored by Woodside Energy, are identified as *Onycocaris longirostris* Bruce, 1980, previously known only by the male holotype specimen from Nouméa, New Caledonia. This specimen was incomplete, with only a single second pereiopod, which was considered to be the minor appendage. The Kimberley specimens fortunately both have the second pereiopods attached and these are now described and illustrated, completing the description of the species. The life colouration is described for the first time and a new host record is added. The specimens are deposited in the collections of the Western Australian Museum, Perth.

Abbreviations used: CL, post-orbital carapace length; WAM, Western Australian Museum, Perth.

### **Systematics**

#### **Family Palaemonidae Rafinesque, 1815**

#### **Subfamily Pontoniinae Kingsley, 1879**

#### **Genus *Onycocaris* Nobili, 1904**

#### ***Onycocaris longirostris* Bruce, 1980 (Figs 1–4)**

*Onycocaris longirostris* Bruce, 1980, Cahiers Indo-Pacifique, 2(1): 15–25, figs. 6–10.

**Material examined.** 1 ♂, 1 ovig. ♀, Western Australia, Woodside Kimberley Survey 2011, stn 89/K11, Irvine and Bathurst Islands, intertidal, mid-littoral reef platform, 16° 3' 19"S 123° 32' 47"E, coll. A. Hosie, 25 October 2011, WAM C48779.

**Diagnosis.** A large *Onycocaris* species with well developed rostrum extending to distal end of antennular peduncle, dorsally carinate with 2–3 acute teeth on distal half; second pereiopods unequal in male, slightly