



Raymunida* Macpherson & Machordom, 2000 (Crustacea: Decapoda: Anomura: Munididae) from the KUMEJIMA 2009 Expedition in the Ryukyu Islands, Japan

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Abstract

Two species of the munidid genus *Raymunida* Macpherson & Machordom, 2000, are reported from Kume Island, Ryukyu Islands, southwestern Japan. *Raymunida striata* n. sp. appears closest to *R. confundens* Macpherson & Machordom, 2001, and *R. dextralis* Macpherson & Machordom, 2001, but is distinguished by the second and third abdominal somites each with an uninterrupted stria between two distinct transverse ridges on the dorsal surface, the merus of the third maxilliped with a prominent distal spine on the extensor margin, and the mero-carpal articulation of the fourth pereopod reaching only to the lateral end of the anterior cervical groove of the carapace. The occurrence of *R. vittata* Macpherson, 2009, in Kume Island greatly extends its distribution range to the north hemisphere. Morphological variations of *R. vittata* are also discussed on the basis of the present specimens. An updated key to the species of *Raymunida* is provided.

Key words: Crustacea, Munididae, *Raymunida*, new species, Okinawa

Introduction

The genus *Raymunida* Macpherson & Machordom, 2000, was established for *R. cagnetiei* Macpherson & Machordom, 2000 (type species), *Munida bellior* Miyake & Baba, 1967, and *M. elegantissima* De Man, 1902. Subsequently, eight new species were described: *R. confundens* Macpherson & Machordom, 2001, *R. dextralis* Macpherson & Machordom, 2001, *R. erythrina* Macpherson & Machordom, 2001, *R. formosanus* Lin, Chan & Chu, 2004, *R. insulata* Macpherson & Machordom, 2001, *R. limbata* Macpherson, 2006, *R. lineata* Osawa, 2005, and *R. vittata* Macpherson, 2009. All the 11 species have been recorded only from the Indo-West Pacific region at depths ranging from 5 to 549 m (Baba *et al.* 2008; Macpherson 2009).

In November 2009, the marine biodiversity expedition KUMEJIMA 2009 was conducted in Kume Island, Ryukyu Islands, southwestern Japan. The material of the Galatheaidea collected during the expedition includes several undescribed and poorly-known species. The present paper describes a new species of *Raymunida*. In addition, *R. vittata* Macpherson, 2009, is recorded for the second time since its original description from Vanuatu, and notes on its intraspecific variation are provided.

The type specimens of the new species are deposited in the Ryukyu University Museum, Fujukan (RUMF), Okinawa. The general terminology used in the text follows that of Baba *et al.* (2009). Postorbital carapace length (cl), the indication of specimen size, is measured from the level of the sinus formed by the rostrum and supraocular spines to the posterior margin along the midline. Article lengths of chelipeds and ambulatory legs are measured along the dorsomesial and dorsal margins, respectively. The abbreviations used in the text include: Mxp3 (third maxilliped), P1 (first pereopod, cheliped), P2–4 (second to fourth pereopods, first to third ambulatory legs), and P5 (fifth pereopod).