

Description of a new genus and two new species of Ioninae (Isopoda: Epicaridea: Bopyridae) parasites of Leucosiidae (Decapoda: Brachyura) from Beibu Gulf

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Abstract

A new genus, *Onkokepon* n. gen., and two new species, *O. articulatus* n. sp. and *O. beibuensis* n. sp., infesting *Leucosia longibranchia* Shen & Chen and *Leucosia unidentata* de Haan, respectively, are described from Beibu Gulf in China and Vietnam. Neither of these species of *Leucosia* has previously been reported as bopyrid hosts. The new genus differs from other ionine bopyrid genera in the presence of a well-developed tubercular frontal lamina, a deeply digitate barbula, rudimentary subcircular pleopodal endopodites, and lacking coxal plates. *O. articulatus* n. sp. is distinguished from *O. beibuensis* n. sp. by having articulated maxillipedal palp, blunt posterolateral point of oostegite 1 and setose triangular frontal lamina of the female.

Key words: Bopyridae, Ioninae, *Onkokepon*, *O. articulatus*, *O. beibuensis*, Beibu Gulf

Introduction

Six leucosiids have been previously reported to bear bopyrid isopods. Nierstrasz & Brender à Brandis (1930) reported that *Apocepon pulcher* Nierstrasz & Brender à Brandis, 1930 infesting *Philyra pisum* de Haan was collected in Tsingtau, China. It has since been found in Kyusyu, the Amakusa Islands and in Korea. Stock (1959) found *Apocepon digitatum* Stock, 1959, infesting *Leucosia craniolaris* in Singapore. Shiino (1951) described *Mesocepon tosizimensis* Shiino, 1951, infesting *Arcania undecemspinosa* de Haan in Mie Prefecture, Japan. Bourdon (1967) reported that *Dactylokepon marchadi* Bourdon, 1967 infested *Pseudomyra mbizi* Capart in Senegal. Markham (1975) reported *Iliacantha* spp. bearing *Dactylokepon caribaeus* Markham, 1975, in the Caribbean. Adkison (1982) recorded *Dactylokepon sulcipes* Adkison, 1982, infesting *Callidactylus asper* Stimpson