

A new locality and host for *Pseudione minimocrenulata* Nierstrasz & Brender à Brandis, 1931 (Crustacea: Isopoda: Bopyridae) in the Indian Ocean, with comments on the identity of the type specimens

QUIDDUSI B. KAZMI¹ & CHRISTOPHER B. BOYKO²

¹The Marine Reference Collection and Resource Center, University of Karachi, Karachi-75270, Pakistan
(qbkazmi@mrcrc.ku.edu.pk)

²Division of Invertebrate Zoology, American Museum of Natural History, Central Park West at 79th Street, New York, New York 10024, U.S.A. (cboyko@amnh.org)

Abstract

Three parasitized specimens of *Munida andamanica* Alcock, 1894, including one with a double infestation, from the Indian Ocean off Mozambique were found to contain bopyrid isopods referable to *Pseudione minimocrenulata* Nierstrasz & Brender à Brandis, 1931. This represents a new host species and locality for the parasite which has been reported only twice before from the Kei Islands (Indonesia) and Madagascar. Both sexes of *P. minimocrenulata* are redescribed and illustrated. Examination of type material revealed that the type series contains isopod pairs of two different species. The female from the Kei Islands is selected as lectotype to fix the identity of the species, while the pair from the U.S. Virgin Islands is identified as *P. confusa maxillipedis* Bourdon, 1972.

Key words: Bopyridae, *Pseudione*, Indian Ocean, *Munida*, Virgin Islands

Introduction

Bopyrid parasites of galatheid crabs occur in 16 genera distributed between two subfamilies: the monotypic Entophiliinae (containing only *Entophilus omnitectus* Richardson, 1903) and 15 genera in the Pseudioninae. *Pseudione* Kossmann, 1881, contains the most species of galatheid parasites and is also the largest and most diverse genus in the Bopyridae. There are at least 16 species of *Pseudione* found parasitizing galatheids. (The hosts of several species are unknown but may be galatheids). The monophyly of *Pseudione* is in doubt and the genus is likely to be paraphyletic (Adkison 1988; Boyko 2004a); its type species is a thalassinoid parasite. However, until a revision of the genus as a whole is