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Two new potamid crabs, *Yuexipotamon arcophallus* new genus, new species and *Minutomon shanweiense* new genus, new species, (Crustacea: Decapoda: Brachyura: Potamidae) from southern China

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Abstract

Two new Chinese genera and species of freshwater crabs, *Yuexipotamon arcophallus*, **new genus, new species**, and *Minutomon shanweiense*, **new genus, new species**, are described from Zhaoqing City and Shanwei City, respectively. The former is superficially closest to *Huananpotamon* Dai & Ng, 1994, while the latter resembles *Sinopotamon* Bott, 1967, and *Mediapotamon* Dai, 1995. The two new genera, however, possess distinctive combinations of carapace, third maxilliped, male thoracic sternal and first gonopodal characters that easily distinguish them from other genera. Notes on the general biology of the two new species are also given.

Key words: Potamidae, *Yuexipotamon arcophallus*, *Minutomon shanweiense*, new genera, new species, taxonomy, freshwater crabs, China

Introduction

The diversity of freshwater crabs in China is very high, with 37 known genera and 243 species (Dai 1999; Cumberlandidge *et al.* 2011; Shih & Ng 2011). Numerous new taxa have been described in recent years and China's freshwater crab fauna is still very much in the discovery phase.

A survey was recently conducted in the Heishiding Natural Reserve of Fengkai County, Guangdong Province, and three species of potamid crabs were collected: *Chinapotamon depressum* Dai, Song, Li & Liang, 1980, *Nanhaipotamon* cf. *pingyuanense* Dai, 1997, and *Yuexipotamon arcophallus*, **new genus, new species**. Although the new genus is superficially similar to *Huananpotamon* Dai & Ng, 1994, there are marked differences in the carapace, form of the flagellum of the third maxilliped and structure of the male first pleopod. Potamid specimens from Shanwei City, Guangdong Province, also proved to belong to another new genus and new species, *Minutomon shanweiense*, **new genus, new species**. Although resembling *Sinopotamon* Bott, 1967, and *Mediapotamon* Dai, 1995, the new genus has an unusual combination of carapace, male abdomen and male first pleopod characters that easily distinguishes it. These two new genera and new species are described in this paper. All specimens were preserved in 75% ethanol. Specimens are deposited in the Sun Yat-Sen Museum of Biology, Sun Yat-Sen University, China (SYSU) and the Zoological Reference Collection of the Raffles Museum of Biodiversity Research, National University of Singapore (ZRC). Measurements, in millimeters, are of the carapace width and length, respectively. The following abbreviations are used: AS—Chinese Academy of Science, Beijing; G1—male first pleopod; G2—male second pleopod. The terminology used mainly follows that used in Dai (1999).

Systematic account

Family Potamidae Ortmann, 1896

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