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A new species of freshwater crab of the genus *Kingsleya* Ortmann, 1897 (Crustacea: Brachyura: Pseudothelphusidae) from Amazonia, Brazil

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Abstract

A new species of freshwater crab, *Kingsleya celioi*, from the Brazilian Amazon (Pará State) is described and illustrated. The new species can be easily separated from their congeners by a suite of morphological characters, including the apical plate of the first gonopod large, widest medially in abdominal view, with single large spine-like outgrowth in midlength of mesial margin; distal, proximal lobes of apical plate unequal in size, distal lobe largest, tapering distally in lateral view.

Key words: Amazonian lowland, biodiversity, freshwater crabs, Pseudothelphusidae, Kingsleyini, Pará State

Introduction

Thanks to the work of Rodríguez (1982), Magalhães (1986, 2003, 2005), Rodríguez & Magalhães (2005), and Magalhães & Türkay (2008), much progress has been made to unveil the diversity of the freshwater crab fauna of the family Pseudothelphusidae from the Amazonian lowlands, and yet new species are still being discovered and described (Pedraza *et al.* 2015). A new species of the genus *Kingsleya* Ortmann, 1897, is herein described from the Amazonian lowland of Pará State, Brazil.

Terminology for describing the gonopod morphology is adapted from Smalley (1964) and Magalhães & Türkay (2008); “sternal” and “abdominal” views are used instead of “cephalic” and “caudal” views, respectively. The computerized photographs of the first gonopod were taken using a stereomicroscope Zeiss Discovery V12 (Automontage® system). The material examined is deposited in Instituto Nacional de Pesquisas da Amazônia, Manaus (INPA), Museu de Zoologia da Universidade de São Paulo (MZUSP), Museu Paraense Emílio Goeldi, Belém do Pará (MPEG), and National Museum of Natural History, Smithsonian Institution, Washington, D.C. (USNM). Carapace length (cl) was measured from the front to the posterior margin of the carapace; carapace width (cw), measured at the level of its widest point. The following abbreviations were used: G1 and G2, first and second gonopods, respectively; mxp3, third maxilliped; P1, cheliped; P2–P5, pereopods 2 to 5.

Taxonomy

Family Pseudothelphusidae Ortmann, 1893

Tribe Kingsleyini Bott, 1970

Kingsleya Ortmann, 1897

Included species. The genera of the original combination are indicated in brackets. *Kingsleya besti* Magalhães, 1990; *K. castrensis* Pedraza, Martinelli-Filho & Magalhães, 2015; *K. gustavoi* Magalhães, 2005; *K. hewashimi*