



A new genus for *Libinia rostrata* Bell, 1835, with comments on the validity of *Libinia bellicosa* Oliveira, 1944 (Crustacea, Brachyura, Majoidea, Epialtidae)

MARCOS TAVARES^{1,3} & WILLIAM SANTANA²

¹Museum of Zoology, University of São Paulo, Av. Nazareth 481, Ipiranga 04263-000, São Paulo, SP, Brazil. E-mail: mdst@usp.br

²Postdoctoral Research Fellow, Museum of Zoology, University of São Paulo, Av. Nazareth 481, Ipiranga 04263-000, São Paulo, SP, Brazil. E-mail: william_santana@yahoo.com.br

³Corresponding author

Abstract

Stratiolibinia **gen. nov.**, is established for *Libinia rostrata* Bell, 1835, its type species, and *Libinia bellicosa* Oliveira, 1944. The thoracic sternum, male first gonopods, abdomen, and pereopods are distinctive, and easily distinguish the genus from *Libinia* Leach, 1815 sensu stricto.

Key words: New genus, Decapoda, Pisinae, *Libinia*, Western Atlantic, Eastern Pacific

Introduction

The rediscovery of the holotype female of *Libinia bellicosa* Oliveira, 1944, and the collection of several additional females and males from different localities in the Western Atlantic, prompted revisiting the validity of this species, sometimes considered to be identical with *Libinia rostrata* Bell, 1835, from the Eastern Pacific. The morphological differences between these two species are discussed and illustrated.

In addition, a comparison between *Libinia rostrata* and *L. bellicosa* with eight out of the 12 species currently placed in *Libinia* Leach, 1815 (Ng *et al.*, 2008), revealed that *L. rostrata* Bell, 1835, and *L. bellicosa* Oliveira, 1944, are no longer tenable in *Libinia*. *Stratiolibinia* **nov. gen.**, is proposed herein to receive both *L. rostrata* and *L. bellicosa*.

Abbreviations used are as follows: cl, carapace length (from the rostral notch to the posterior margin of the carapace); cw, carapace width (branchiostegal spines not included); G1, first male gonopod; mxp3, maxilliped 3; P2-5, pereopod 2 to pereopod 5 (P1 is cheliped); ThP17 and ThP18, thoracic pleurites 7 and 8, respectively; WA, Western Atlantic; EP, Eastern Pacific. The material studied belongs to the collections of the Museu Nacional, Universidade Federal do Rio de Janeiro (MNRJ); Museu de Zoologia, Universidade de São Paulo (MZUSP), and the National Museum of Natural History, Smithsonian Institution, Washington D.C. (USNM).

Systematics

Family Epialtidae MacLeay, 1838

Subfamily Pisinae Dana, 1851

Stratiolibinia **gen. nov.**

Type species. *Libinia rostrata* Bell, 1835, by present designation. Gender feminine.

Included species. *Stratiolibinia rostrata* (Bell, 1835) **gen. nov., comb. nov.**, and *S. bellicosa* (Oliveira, 1944) **gen. nov., comb. nov.**