

Caridea (Crustacea, Decapoda) collected on the Brazilian (13°/22°S) continental shelf and slope

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Abstract

The REVIZEE (Survey of the live resources from the Economic Exclusive Zone) Program collected 158 benthic samples, in Brazilian continental shelf and slope, in latitudes ranging from 13°00'S to 22°30'S, and depths ranging from 50 to 500m. In these samples, ten caridean species, distributed in six families were identified: *Latreutes fucorum* (Fabricius, 1798), *Trachycaris restricta* (A. Milne Edwards, 1878) (Hippolytidae); *Anchistioides antiguensis* (Schmitt, 1924) (Anchistioitidae); *Brachycarpus biunguiculatus* (Lucas, 1849), *Leander tenuicornis* (Say, 1818) (Palaemonidae, subfamily Palaemoninae); *Periclimenaeus bermudensis* (Armstrong, 1940), *Pontonia manningi* Fransen, 2000 (Palaemonidae, subfamily Pontoniinae); *Leptochela serratorbita* Bate, 1888 (Pasiphaeidae); *Processa brasiliensis* Christoffersen, 1979 (Processidae) and *Pseudocheles chacei* Kensley, 1983 (Bresiliidae). Nine of these species are herein redescribed and compared with data from the literature. Of these, *Pseudocheles chacei* is a new record for the Brazilian coast. *Anchistioides antiguensis*, *P. manningi*, *L. serratorbita* and *P. brasiliensis* had their latitudinal distribution expanded to the study area.

Key words: Caridea, Brazil, continental shelf, slope

Introduction

The Infraorder Caridea Dana, 1852, comprises 36 families, 16 of which occur in Brazilian waters (Ramos-Porto & Coelho, 1998; Martin & Davis, 2001). In the present study, nine species from six families were included: *Anchistioides antiguensis* (Schmitt, 1924), Anchistioitidae Borradaile, 1915; *Pseudocheles chacei* Kensley, 1983, Bresiliidae Calman, 1896; *Latreutes fucorum* (Fabricius, 1798) and *Trachycaris restricta* (A. Milne Edwards, 1878), Hippolytidae Bate, 1888; *Brachycarpus biunguiculatus* (Lucas, 1849) and *Leander tenuicornis* (Say, 1818), Palaemonidae, subfamily Palaemoninae Rafinesque, 1815; *Pontonia manningi* Fransen, 2000, Palaemonidae, subfamily Pontoniinae Kingsley, 1878; and *Processa brasiliensis* Christoffersen, 1979, Processidae Ortmann, 1890 (Holthuis, 1993; Ramos-Porto & Coelho, 1998).

This study describes the caridean shrimps (except Alpheidae) collected by the Revizee Benthos Program. Three species collected by the Revizee Benthos Program were collected at Rocas Atoll: *B. biunguiculatus* and *L. tenuicornis* and *P. brasiliensis*. These species were redescribed recently by Cardoso & Young (*in press*), so, they were only cited with a brief diagnosis given.

The six species redescribed here were previously recorded in Brazilian waters, but