



A new species of *Dendrocephalus* (Crustacea, Anostraca) from Serra dos Carajás (Pará State, Brasil)

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Abstract

Dendrocephalus carajaensis, a new species of fairy shrimp, is described from a single temporary pool in canga deposits on the Serra Sul plateau, Serra dos Carajás region in Brazilian Amazonian forest, Pará State, Brasil. *D. carajaensis* **sp. nov.** males are readily separated from all other *Dendrocephalus* species except *D. brasiliensis* and *D. spartaenovae* by the absence of a spine on the posteroventral surface of the compound eye. This species is separated from *D. brasiliensis* and *D. spartaenovae* by the form of the proximal portion of the frontal appendage and the endopodites of the first three thoracopods. This species appears to be endemic to the Serra dos Carajás.

Key words: Fairy Shrimp, Thamnocephalidae, canga, metalophylic savanna, FLONA (Floresta Nacional) de Carajás.

Sumário

Uma nova espécie de *Dendrocephalus* é descrita de uma única área temporariamente inundada em um platô de canga de Serra Sul, Serra dos Carajás, no estado do Pará, Brasil. Os machos de *D. carajaensis* **sp. nov.** são facilmente separados dos demais espécies de *Dendrocephalus*, exceto *D. brasiliensis* e *D. spartaenovae*, pela ausência de um espinho na superfície posteroventral do olho composto. A nova espécie é separada de *D. brasiliensis* e *D. spartaenovae* pelo formato da porção proximal do apêndice frontal e pelos endopoditos dos três primeiros toracópodes. *Dendrocephalus carajaensis* n. sp. pode representar mais uma espécie endêmica da região da Serra dos Carajás.

Introduction

The Thamnocephalidae was revised by Rogers (2006), wherein the genus *Dendrocephalus* was divided into two subgenera. The subgenus *Dendrocephalinus* Rogers, 2006 currently represents three species in North America. The subgenus *Dendrocephalus* (*sensu stricto*) occurs in Central and South America, as well as the Galapagos and Aruba (Rogers 2006; Rabet 2006). Rabet (2006) provided a key to the males of *Dendrocephalus* (*sensu stricto*), listing 13 species, and Chaves et al. (2011) presented a key to the known Brazilian species, reporting yet another undescribed *Dendrocephalus* from Minas Gerais State. We present a new species from the Serra dos Carajás region, Pará State, Brasil. This new species is the sixth *Dendrocephalus* reported from Brasil, the others being *D. brasiliensis* Pesta, 1921, *D. orientalis* Rabet & Thiéry, 1996, *D. goiasensis* Rabet & Thiéry, 1996, *D. thieryi* Rabet, 2006, and *Dendrocephalus* n. sp. in Chaves et al. (2001). As predicted by Chaves et al. (2011), we also expect that more species will be discovered from Brasil and other portions of the Neotropical region.

Methods

The last two authors discovered this species during fish survey in the Serra Sul, National Forest of Carajás, Pará State, Brasil (Figure 1). Live specimens were accidentally collected using a hand net (90 cm in diameter, 1 mm