

***Leptagrion cyanostigma* sp. nov. from Brazil with a study of blue pterostigma in Zygoptera (Odonata: Coenagrionidae)**

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A new species, *Leptagrion cyanostigma* sp. nov., is described and illustrated based on 1 ♂ and 1 ♀ collected in the State of Bahia, Brazil. The species is generically unique by having a blue pterostigma with a black center. A survey of other Zygoptera possessing blue pterostigmata is carried out.

Keywords: Odonata; dragonfly; Coenagrionidae; Zygoptera; Brazil; new species; pterostigma

1. Introduction

Santos (1966) demonstrated for the first time that the larvae of *Leptagrion* Selys, 1876 breed in bromeliad phytotelmata. This amply confirmed fact (Corbet, 2004) increased the interest in the genus, which now contains 16 species (Garrison, von Ellenrieder, & Louton 2010), of which 14 occur in Brazil (Lencioni, 2006). These were described by Burmeister (1839), Selys (1876), Calvert (1909), Santos (1961, 1965a, 1965b, 1968, 1978, 1979), and Machado (2006). The status of taxonomy in the genus is fairly good thanks mainly to the works of Costa and Garrison (2001) and De Marmels and Garrison (2005), the former with a key that allows for easy identification of the then known species. After these works, a single species *L. afonsoi* Machado, 2006 was described. Here I describe *Leptagrion cyanostigma* from the mountain region of Chapada Diamantina in the State of Bahia, Brazil. The new species is generically unique in having a blue pterostigma with a black center, a fact that motivated a preliminary survey of blue pterostigmata in other species of Zygoptera.

***Leptagrion cyanostigma* sp. nov. (Figures 1, 2)**

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