

Argia sertaneja sp. nov. (Odonata: Coenagrionidae) from Northern Minas Gerais state, Brazil

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Abstract

Argia sertaneja sp. nov. (BRAZIL, Minas Gerais state, Chapada Gaúcha, Grande Sertão Veredas National Park, Vereda lodging (15.iv.2023, 15°11'14.7"S 45°41'01.7"W, 807 m asl, M.M. Souza leg., Coleção Biológica de Vespas Sociais—CBVS) is described, illustrated, and diagnosed. The new species can be separated from its congeners by the wide morphology of male cercus, and shape of female hind lobe of prothorax and mesostigmal lobes.

Key words: Zygoptera, National Park, biodiversity, Cerrado, damselfly

Resumo

Argia sertaneja sp. nov. (BRAZIL, Minas Gerais state, Chapada Gaúcha, Parque Nacional Grande Sertão Veredas, Vereda do alojamento (15.iv.2023, 15°11'14.7"S 45°41'01.7"W, 807 m asl, M.M. Souza leg., Coleção Biológica de Vespas Sociais—CBVS) é descrita, ilustrada e diagnosticada. A nova espécie pode ser separada dos demais congêneres pela morfologia alargada dos cercos dos machos, lobo posterior do protórax e lobos mesostigmiais das fêmeas.

Palavras-chave: Zygoptera, Parque Nacional, biodiversidade, Cerrado, donzelinha

Introduction

The large Neotropical genus *Argia* Rambur, 1842 has been extensively revised, with monographs comprising its northernmost occurrences in USA, Canada, and Northern Mexico (Garrison 1994), and more recently Costa Rica, The Guiana Shield, Mexico, Central America, the Lesser Antilles and south to Ecuador (Garrison & von Ellenrieder 2013, 2015, 2017, 2018, 2022). A synopsis of the South American (SA) components is currently in preparation by Garrison & von Ellenrieder (pers. comm.), containing the over 80 species known to occur in SA, and nearly 50 in Brazil (IUCN 2024).

Here we describe a new *Argia* species, collected in the Grande Sertão Veredas National Park (GSVNP), in southeastern Brazil.

Material and methods

Specimens were collected in GSVNP during expeditions that took place between September 2022 and April 2023 (Oliveira *et al.* 2024). All specimens were caught with entomological nets, fixed in ethanol, and preserved in glassine envelopes. Habitus images were scanned using an Epson V600 Perfection scanner at 1200 dpi; inked