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## A new species and notes on Perlidae (Plecoptera) from Paraná and Santa Catarina States, southern Brazil

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### Abstract

Specimens of Perlidae (Plecoptera) deposited in the Entomological Collection "Padre Jesus S. Moure" of the Universidade Federal do Paraná and additional material recently collected in Paraná and Santa Catarina states, Brazil were studied. Six previously described species were identified, *Anacroneuria debilis* (Pictet, 1841), *A. cathia* Froehlich, 2002, *A. polita* (Burmeister, 1839), *A. trimacula* Jewett, 1959, *Kempnyia neotropica* (Jacobson and Bianchi, 1905) and *K. colossica* (Navás, 1934). Additionally, a new species, *Anacroneuria iguazu* n. sp. is described.

**Keywords:** aquatic insects, streams, biodiversity, Neotropical

### Resumo

Espécimes de Perlidae (Plecoptera) depositados na Coleção Entomológica "Padre Jesus S. Moure" da Universidade Federal do Paraná e material adicional recentemente coletado nos Estados do Paraná e de Santa Catarina, Brazil foram estudados. Seis espécies anteriormente descritas foram identificadas, *Anacroneuria debilis* (Pictet, 1841), *A. cathia* Froehlich, 2002, *A. polita* (Burmeister, 1839), *A. trimacula* Jewett, 1959, *Kempnyia neotropica* (Jacobson and Bianchi, 1905) e *K. colossica* (Navás, 1934). Adicionalmente, uma nova espécie, *Anacroneuria iguazu* n. sp., é descrita

**Palavras chave:** insetos aquáticos, riachos, biodiversidade, Neotropical

### Introduction

Perlidae is the largest family of Plecoptera and more than 100 species have been described from Brazil (Froehlich, 2010), primarily in last three decades (Froehlich, 1984, 1988, 2002; Bispo & Froehlich, 2004a; Ribeiro & Rafael, 2007, Righi-Cavallaro & Lecci, 2010; Righi-Cavallaro & Froehlich, 2013). The taxonomic knowledge of this family for southern Brazil, which comprises Paraná, Santa Catarina and Rio Grande do Sul states, is based mainly on specimens collected by Fritz Plaumann in Nova Teutonia, Santa Catarina State (Jewett, 1959; Froehlich, 2002). In addition, other studies based on specimens collected in other southern Brazilian localities has been published (Froehlich, 1996; De Ribeiro & Froehlich, 2007; Novaes et al., 2012), improving our knowledge of this fauna. In this paper, specimens of Perlidae from Paraná and Santa Catarina States deposited in the Entomological Collection "Padre Jesus S. Moure", Departamento de Zoologia of the Universidade Federal do Paraná (DZUP) and additional material recently collected in these states were studied. Comments on the six known species of Perlidae are presented and a new species of *Anacroneuria* is described.

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