



## Plecoptera from Minas Gerais State, southeastern Brazil

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### Abstract

Specimens of Plecoptera collected in Minas Gerais State, Brazil were studied. Twelve previously described species were identified, *Anacroneuria boraceiensis* Froehlich, 2004, *A. debilis* (Pictet, 1841), *A. itatiaiensis* Baldin *et al.*, 2013, *A. polita* (Burmeister, 1839), *A. singularis* Righi-Cavallaro & Lecci, 2010, *A. stanjewetti* Froehlich, 2002, *A. terere* Righi-Cavallaro & Lecci, 2010, *A. vanini* Froehlich, 2004, *Kempnyia neotropica* (Jacobson and Bianchi, 1905), *K. obtusa* Klapálek, 1916, *Tupiperla gracilis* (Burmeister, 1839) and *T. robusta* Froehlich, 1998. Additionally, two new species of *Anacroneuria* are described, *A. paprockii* n. sp. and *A. mineira* n. sp., and a list of species from Minas Gerais State is presented.

**Key words:** taxonomy, Perlidae, Gripopterygidae, streams, aquatic insects

### Resumo

Espécimes de Plecoptera coletados no Estado de Minas Gerais, Brasil, foram estudados. Doze espécies anteriormente descritas foram identificadas, *Anacroneuria boraceiensis* Froehlich, 2004, *A. debilis* (Pictet, 1841), *A. itatiaiensis* Baldin *et al.*, 2013, *A. polita* (Burmeister, 1839), *A. singularis* Righi-Cavallaro & Lecci, 2010, *A. stanjewetti* Froehlich, 2002, *A. terere* Righi-Cavallaro & Lecci, 2010, *A. vanini* Froehlich, 2004, *Kempnyia neotropica* (Jacobson and Bianchi, 1905), *K. obtusa* Klapálek, 1916, *Tupiperla gracilis* (Burmeister, 1839) e *T. robusta* Froehlich, 1998. Adicionalmente, duas novas espécies de *Anacroneuria* são descritas, *A. paprockii* n. sp. e *A. mineira* n. sp., e uma lista das espécies de Minas Gerais é apresentada.

**Palavras chave:** taxonomia, Perlidae, Gripopterygidae, riachos, insetos aquáticos

### Introduction

Plecoptera is a small order of insects, which has approximately 3500 described species worldwide (Fochetti & Tierno de Figueroa, 2008) placed into 16 families. In Brazil, there are two families of Plecoptera. The Gripopterygidae are represented by *Gripopteryx* (Pictet 1841), *Paragripopteryx* Enderlein 1909, *Tupiperla* Froehlich 1969, and *Guaranyperla* Froehlich 2001. The Perlidae are represented by *Anacroneuria* Klapálek 1909, *Macrogynoplax* Enderlein 1909, *Kempnyia* Klapálek 1914, and *Enderleina* Jewett 1960 (Froehlich, 1969, 2002; Bispo & Froehlich, 2004; Bispo & Lecci, 2011). Currently, for Brazil there are approximately 150 described species and certainly this number is well below the true diversity of the order since several regions have not been adequately explored. Additionally, even in the best studied regions like the southeastern Brazil, new species have been steadily described (Froehlich, 2010, 2011a, 2011b; Bispo and Lecci, 2011; Avelino-Capistrano & Nessimian, 2013, Avelino-Capistrano *et al.* 2013; Baldin *et al.* 2013).

Minas Gerais State, located in the southeastern Brazil, is covered by several vegetation communities including

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