



## The genus *Americabaetis* Kluge (Ephemeroptera: Baetidae) in Brazil: new species, stage description, and key to nymphs

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### Abstract

In the present work based on material from several areas in Brazil, the species of *Americabaetis* represented in the country are revised. A new species, *A. mecistognathus*, **sp. nov.**, is described based on nymphs from Santa Catarina, the male adult of *A. labiosus* Lugo-Ortiz & McCafferty is described, a key to the nymphs of the South American species is provided, whereas comments regarding the taxonomy and habitat distribution of the Brazilian species are presented.

**Key words:** mayfly, taxonomy, Neotropics, South America, macroinvertebrate

### Introduction

When originally described, *Americabaetis* Kluge, 1992 was erected as a subgenus of *Baetis* Leach, 1815 and included a single species from Cuba (Kluge 1992). Later Lugo-Ortiz and McCafferty (1996) revised the genus; they transferred a few species previously assigned to *Acerpenna* Waltz and McCafferty, 1987 to *Americabaetis*, and described several new species from South America. Studies such as Hoffman *et al.* (1999), Lugo-Ortiz and McCafferty (1999), Waltz and McCafferty (1999), Wiersema and McCafferty (1999), Salles *et al.* (2004), and Salles and Boldrini (2008) increased considerably the knowledge of the genus; to date 18 species are recognized. A key to the Neotropical and South American species known at the nymphal stage has been proposed respectively by Waltz and McCafferty (1999) and Domínguez *et al.* (2006), whereas a key to the adults has been proposed by Salles and Boldrini (2008).

In the present paper, based on material mainly from Eastern Brazil, we present a review from the species encountered in the country. A distinctive new species, *A. mecistognathus*, **sp. nov.**, is described based on nymphs from the state of Santa Catarina; the male adult of *A. labiosus* Lugo-Ortiz and McCafferty is described; a key to the nymphs of the South American species is provided; whereas comments regarding the taxonomy and habitat distribution of the Brazilian species are presented.

### Material and methods

The taxonomic descriptions presented herein were generated from a DELTA (Dallwitz 1980) database of South American baetid genera and species under development in order to propose a standard description for members of the family.