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

F.F. SALLES1,3, E.A. RAIMUNDI2, R. BOLDRINI1 & G. M. SOUZA-FRANCO4

1Depto. de Ciências Agrárias e Biológicas, Centro Universitário Norte do Espírito Santo, Universidade Federal do Espírito Santo, CEP 29.932–540, São Mateus, ES, Brazil. E-mail: ffsalles@gmail.com
2Programa de Pós-Graduação em Ciências Ambientais, Laboratório de Pesquisa em Ecologia e Química, Área de Ciências Exatas e Ambientais, Universidade Comunitária da Região de Chapecó, CEP 89.809–000, Chapecó, SC, Brazil. E-mail: erikcmundi@unochapeco.edu.br
3Divisão de Curso de Entomologia (DCEN), Instituto Nacional de Pesquisas da Amazônia (INPA), CEP 69011-970 Manaus, AM, Brazil. E-mail: rafaelboldrini@yahoo.com.br
4Programa de Pós-Graduação em Ciências Ambientais, Área de Ciências Exatas e Ambientais, Universidade Comunitária da Região de Chapecó, CEP 89.809-000, Chapecó, SC, Brazil. E-mail: gfranco@unochapeco.edu.br
5Corresponding author

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. mecostognathus*, 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. mecostognathus*, 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.