

## First report of *Americabaetis* Kluge (Ephemeroptera: Baetidae) from Rio de Janeiro, Brazil

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### Abstract

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*Americabaetis alphus*, *A. labiosus*, *A. longetron*, and *A. titthion* are for the first time reported from Rio de Janeiro State, southeastern Brazil.

**Additional key words:** *Americabaetis alphus*, *Americabaetis labiosus*, *Americabaetis longetron*, *Americabaetis titthion*, mayflies, neotropics.

### Resumo

FRANCISCHETTI C, SALLES F, LUGO-ORTIZ CR, DA-SILVA E. 2003. Primeiro registro de *Americabaetis* Kluge (Ephemeroptera: Baetidae) para o Estado do Rio de Janeiro, Brasil. Entomotropica 18(1):69-71.

*Americabaetis alphus*, *A. labiosus*, *A. longetron* e *A. titthion* são pela primeira vez registradas para o Estado do Rio de Janeiro, sudeste do Brasil.

**Palavras chave adicionais:** *Americabaetis alphus*, *Americabaetis labiosus*, *Americabaetis longetron*, *Americabaetis titthion*, efêmeras, neotrópico.

Kluge (1992) erected *Americabaetis* (Ephemeroptera: Baetidae) as a subgenus of *Baetis* Leach for species described from Cuba. Lugo-Ortiz & McCafferty (1994) considered *Americabaetis* a synonym of *Acerpenna* Waltz & McCafferty, but subsequently Lugo-Ortiz & McCafferty (1996) elevated it to generic status. Of the twenty currently known species (see Lugo-Ortiz & McCafferty 1996, 1999; Hoffman et al. 1999; Waltz & McCafferty 1999), only five, viz. *A. alphus* Lugo-Ortiz & McCafferty, *A. labiosus* Lugo-Ortiz & McCafferty, *A. longetron* Lugo-Ortiz & McCafferty, *A. oldendorffi* (Weyenbergh), and *A. titthion* Lugo-Ortiz & McCafferty have been registered for Brazil, and they are confined to the south-central part of the country (Lugo-Ortiz & McCafferty 1996; Lugo-Ortiz et al. 2002).

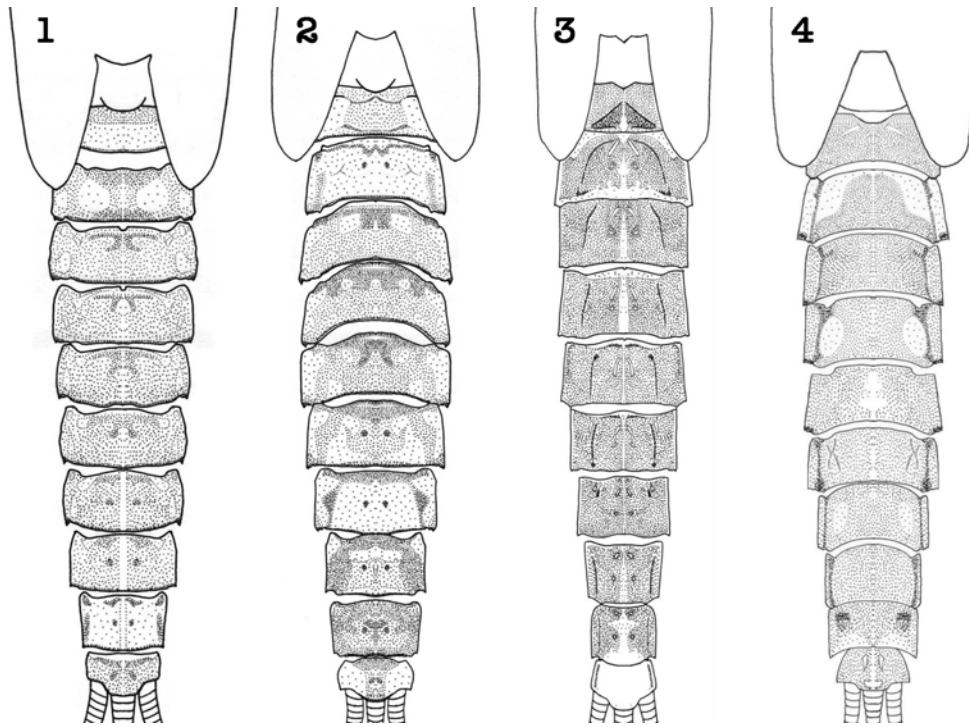
Recently, larvae of *A. alphus*, *A. labiosus*, *A. longetron*, and *A. titthion* were collected as part of taxonomic and ecological studies conducted in lotic habitats in Rio de Janeiro (southeastern region of Brazil). The findings

are important because they represent the first reports of the four species and of *Americabaetis* from the state.

### Material examined

Brazil, State of Rio de Janeiro: Itatiaia, Fazenda Aleluia, Rio Campo Belo (22°28'S; 44°34'W), 14.x.1999, 18 larvae of *A. alphus*, 8 larvae of *A. longetron*, C.N. Francischetti col.; Nova Friburgo, Cascatinha, Rio Cascatinha (22° 20'S; 42° 34'W), 20.iv.2001, 3 larvae of *A. labiosus*, 3 larvae of *A. titthion*, P.C. Ceotto, R.M. Darigo, C.N. Francischetti, F.F. Salles col. The material examined is housed in the entomological collection of Departamento de Zoologia, Instituto de Biologia, Universidade Federal do Rio de Janeiro (Rio de Janeiro, RJ, Brazil).

The studied species were identified based on the morphology of the mouthparts (Lugo-Ortiz & McCafferty 1996), assisted, in the case of *A. longetron* and *A. alphus*, by the abdominal color pattern (Figures 3-4). The abdominal color patterns of *A. titthion* and *A. labiosus* (Figures 1-2) are also illustrated herein, as they were not presented in the original descriptions by



FIGURES 1-4. Abdominal tergites color pattern of the studied species of *Americabaetis*. **1)** *A. titthion*; **2)** *A. labiosus*; **3)** *A. longetron*; **4)** *A. alphas*.

Lugo-Ortiz & McCafferty (1996) and could aid in their identification.

With the present reports from Rio de Janeiro, the distributions of the four species and the genus are expanded. *Americabaetis alphas* has the widest distribution, being previously known from Argentina, Bolivia, Chile, Paraguay, and the Brazilian states of Rio Grande do Sul, Paraná, Santa Catarina, and Minas Gerais (Lugo-Ortiz & McCafferty 1996). *Americabaetis titthion* and *A. labiosus* were previously reported from the Brazilian states of Rio Grande do Sul, Santa Catarina, and Paraná; *A. labiosus*, however, was also registered from Paraguay and Uruguay (Lugo-Ortiz & McCafferty 1996). Previous South American records of *A. longetron* include Paraguay, Uruguay and, in Brazil, the states of Espírito Santo, Rio Grande do Sul, Santa Catarina, Paraná, and Minas Gerais (Lugo-Ortiz & McCafferty 1996; Lugo-Ortiz et al. 2002).

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