



Redescription of the species of *Anacroneuria* Klapálek known from the Reserva Florestal Adolpho Ducke, Amazonas, Brazil with a neotype designation, and a key to adults males, Amazonas, Brazil. (Plecoptera, Perlidae)

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Abstract

Three known species of *Anacroneuria* Klapálek, 1909 from Reserva Florestal Adolpho Ducke (RFAD), Amazonas, Brazil are redescribed: *A. minuta* Klapálek, 1922 from the male; *A. manauensis* Ribeiro-Ferreira, 2001 from the Holotype male; *A. marlieri* Froehlich, 2001 from a Neotype male, herein designated. A fourth species is herein designated as putatively occurring in the RFAD, *A. amazonica* Froehlich, 2003, and is redescribed from a female paratype. A key to adults known to occur in RFAD is also presented.

Key words: *Anacroneuria*, Brazil, Plecoptera, Neotype, Reserva Florestal Adolpho Ducke

Introduction

The genus *Anacroneuria* Klapálek, 1909 occurs throughout South and Central America, Mexico, and reaching the Nearctic region (Stark 1994, 1995, 1998, 1999; Stark 2001a, 2001b; Stark and Kondratieff 2004). Recently, new species have been described from Columbia, Ecuador, Guyana, Peru, Suriname, and Venezuela (Stark 1999, 2000, 2001a, Stark and Sivec 1998, Stark *et al.* 1999). Currently, approximately 300 species of *Anacroneuria* are known from the Neotropical region (Stark 2001b). Sixty-three of these are known from Brazil, while 13 have been recorded from the Brazilian Amazon (Froehlich in press).

Anacroneuria has been poorly studied along the Amazon River (Stark *et al.* 2001). However, in the Reserva Florestal Adolpho Ducke (RFAD) located in the Brazilian Amazon Basin, near Manaus, the Plecoptera fauna is relatively well known. Ribeiro & Rafael (2005) included a generic key to the adults of Amazonian stoneflies and treated the genus *Enderleina* Jewett. Additionally, (Ribeiro & Rafael 2007) treated the genus *Macrogynoplax* Klapálek and described one new species. Herein, we present a review of the four species of *Anacroneuria* known or putatively recorded from RFAD: *A. minuta* Klapálek, 1922; *A. manauensis* Ribeiro-Ferreira, 2001; *A. marlieri* Froehlich, 2001 and *A. amazonica* Froehlich, 2003.

The lectotype male of *A. minuta* from Santarém, Pará, Brazil is in poor condition and is redescribed from fresh material from RFAD, Amazonas and Manaus; *A. manauensis* is redescribed from the Holotype male; *A. marlieri* is redescribed from a Neotype male, designated herein; and *A. amazonica* is redescribed from a paratype female. The type-locality of *A. amazonica* probably is the lake Rio Preto da Eva, located about 80 km east of RFAD, and is discussed under this species in the taxonomic treatment.