



First record of the genus *Paracloeodes* Day (Ephemeroptera: Baetidae) in Uruguay and description of two new species

DANIEL EMMERICH¹ & CAROLINA NIETO²

¹Facultad de Ciencias, Sección Entomología, PEDECIBA. Universidad de la República, Montevideo, Uruguay.

E-mail: danielommerich07@gmail.com

²CONICET-INSUE-Facultad de Ciencias Naturales e IML, Miguel Lillo 205, S. M. de Tucumán (4000), Tucumán, Argentina.

E-mail: macarolina_nieto@yahoo.com.ar

Abstract

Eleven species of the genus *Paracloeodes* are recorded from South America. This genus is reported for the first time in Uruguay. Two new species (*P. charrua* and *P. morellii*) are described based on nymphs. A key for all South American species of *Paracloeodes* is included.

Key words: Ephemeroptera, Baetidae, *Paracloeodes*, Uruguay

Introduction

There is little knowledge of the family Baetidae in Uruguay. Only a few species have been described from this area but, in most cases, they are out-of-date descriptions with partial collection data. In the last years the senior author began to collect in this country making available fresh material and new species.

The genus *Paracloeodes* was established in 1955 by Day. It was originally described from USA and Puerto Rico; later the genus was reported in South America and four new species were described by Lugo-Ortiz & McCafferty (1996); more recently Nieto & Salles (2006) described six new species and transferred the monotypic genus *Iguaira* (Type-species: *Iguaira poranga* Salles & Lugo-Ortiz, 2003) to *Paracloeodes*. Eleven species are known in South America, ten of them only from nymphs and one (*P. eurybranchus* Lugo-Ortiz & McCafferty, 1996) is known from nymphs and a female imago. The genus is distributed in South America as follows, Argentina: *P. eurybranchus*; *P. ibicui* Lugo-Ortiz & McCafferty, 1996; *P. yuto* Nieto & Salles, 2006. Bolivia: *P. pacawara* Nieto & Salles, 2006. Brazil: *P. assu* Nieto & Salles, 2006; *P. atroari* Nieto & Salles, 2006; *P. binodulus* Lugo-Ortiz & McCafferty, 1996; *P. eurybranchus*; *P. leptobranchnus* Lugo-Ortiz & McCafferty, 1996; *P. peri* Nieto & Salles, 2006; *P. poranga* (Salles & Lugo-Ortiz); *P. waimiri* Nieto & Salles, 2006; and Paraguay: *P. ibicui* and *P. leptobranchnus*. In this paper the genus *Paracloeodes* is reported for the first time in Uruguay and two new species are described from nymphs. A key is included for all the South American species.

Key to the nymphs of South American species (modified from Nieto & Salles, 2006)

- 1 Thorax with two small tubercles between fore wing pads *P. binodulus*
- Thorax without small tubercles 2
- 2(1) Hind wing pads absent 3
- Hind wing pads present 6
- 3(2) Body with pronotum, mesonotum and abdominal segments II–VII dark, remaining segments whitish, pronotum