

## SYSTEMATICS, MORPHOLOGY AND PHYSIOLOGY

Three New Species of *Peristicta* Hagen in Selys (Odonata: Zygoptera: Protoneuridae) from BrazilPABLO PESSACQ<sup>1</sup> AND JANIRA M. COSTA<sup>2</sup><sup>1</sup>Lab. Investigación en Sistemática y Ecología animal (LIESA). Sarmiento 849, 9200, Esquel, Chubut, Argentina, pablopessacq@yahoo.com.ar<sup>2</sup>Museu Nacional, Quinta da Boa Vista, 20940-040, São Cristóvão, RJ, Brazil, jcosta@globo.com*Neotropical Entomology* 36(1):046-052 (2007)Três Novas Espécies de *Peristicta* Hagen in Selys (Odonata: Zygoptera: Protoneuridae) do Brasil

RESUMO - São descritas e ilustradas três novas espécies de *Peristicta* Hagen in Selys do Brasil: *P. janiceae* de Minas Gerais (Diamantina, Gouvêa, Lagoa Santa, Serra do Caraça, Serra do Cipó, Uroboatanga), *P. jalmosi* de Goiás (Chapada dos Veadeiros, Reserva da Universidade de Brasília) e Minas Gerais (Uroboatanga, Lagoa Santa, Ponte Nova, São João del Rey) e *P. muzoni* de Mato Grosso (Serra da Bodoquena). Apresenta-se uma chave de identificação para machos das espécies de *Peristicta*.

PALAVRAS-CHAVE: Taxonomia, Neotropical, chave para espécies

ABSTRACT - Three new species of *Peristicta* Hagen in Selys from Brazil are described and illustrated: *P. janiceae* from Minas Gerais State (Diamantina, Gouvêa, Lagoa Santa, Serra do Caraça, Serra do Cipó, Uroboatanga), *P. jalmosi* from Goiás State (Chapada dos Veadeiros, Reserva da Universidade de Brasília) and Minas Gerais State (Uroboatanga, Lagoa Santa, Ponte Nova, São João del Rey,) and *P. muzoni* from Mato Grosso State (Serra da Bodoquena). An identification key for males of *Peristicta* is presented.

KEY WORDS: Taxonomy, Neotropical, key to species

The genus *Peristicta* Hagen in Selys, 1860 may be characterized as follows: head and thorax dark metallic green; vein CuPAA\* present, one cell long; MP extending at least 1 cell from vein descending from subnodus, usually longer; IR2 arising from subnodus; IR2 and RP'' separated by a small crossvein; pterostigma less than one cell long; cerci with a dorsal and a ventral branch, about equal in length; dorsal branch thicker, forcipate and with inner or ventral tubercule; ventral branch thinner, arising from base of dorsal branch base and curving inwards following tenth abdominal segment margin; paraprocts reduced.

Five species have been recognized in the genus: *P. aeneoviridis* Calvert, 1909 from Argentina (Ris 1913, Fraser 1947), Brazil (Santos 1968) and Paraguay, *P. forceps* Hagen in Selys, 1860 and *P. gauchae* Santos, 1968 from Brazil, *P. lizeria* Navás, 1920 and *P. misionera* Jurzitza, 1981 from Argentina.

## Material and Methods

Specimens were preserved dry, in paper envelopes. Genital ligulae were protruded with 10% KOH solution. Material are deposited at Museu Nacional, Rio de Janeiro (MNRJ) and some paratypes at Museo de Ciencias Naturales

de La Plata, La Plata, Argentina. For wing vein terminology, Riek & Kukalova Peck (1984) as amended by Bechly (1996), was followed.

*Peristicta janiceae* Pessacq & Costa sp. nov.  
(Figs. 1-6)

*Peristicta aeneoviridis* Calvert. Santos 1968: 223, 225, 226 (Genital ligula illustrations taken from Serra do Cipó - MG material, in this paper, wing character variation taken of specimens from different localities); *Peristicta forceps* Hagen. Lencioni 2005: 216 (penis drawings taken from Santos 1968b).

**Type material.** Holotype male, **Brazil, Minas Gerais**, Serra do Cipó, XII.1947, N.D. Santos leg. Paratypes: 64: 11 males, same date; one male, same place but 17.I.1951, N.D. Santos & J.P. Machado leg.; four males, same place but 1.XII.1963; 25 males, Estrada Belo Horizonte-Serra do Cipó, XI-XII.1963, N.D. Santos, J.P. Machado & C. Borges leg.; four males, Serra do Caraça (Riacho dos Cascudos), 14-15.XII.1979, N.D. Santos & L.F. Netto leg.; five males, Rio Caraças (Cascatinha), 15.XII.1979, N.D. Santos & L.F. Netto leg.; five males, Diamantina, III.1962, N.D. Santos leg.;