



## A new species of *Neotriplectides* Holzenthal, 1997 (Insecta: Trichoptera: Atriplectididae), from Brazil, including description of the pupa of the genus

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### Abstract

The adult male and pupa of a new species of the genus *Neotriplectides* Holzenthal, 1997, are described and figured based on specimens collected in the Mantiqueira Mountain Range, southeastern Brazil. A male of *Neotriplectides desiderata*, **sp. nov.**, was associated with the unidentified larva described by Holzenthal, 1997. The new species is differentiated from *N. froehlichii* Holzenthal, 1997, mainly by the division of abdominal segment X into 2 triangular projections, absent in *N. froehlichii*. The pupal description is the first for this genus.

**Key words:** *Neotriplectides desiderata*; Atlantic Forest, Itatiaia, Neotropical Region

### Resumo

O macho e a pupa de uma nova espécie do gênero *Neotriplectides* Holzenthal, 1997, são descritos e figurados baseados em espécimes coletados na Serra da Mantiqueira, Sudeste do Brasil. *Neotriplectides desiderata* **sp. nov.** é associada a larva descrita por Holzenthal, 1997. A nova espécie pode ser diferenciada de *N. froehlichii* Holzenthal, 1997 principalmente pela estrutura do segmento abdominal X dividido em 2 projeções triangulares, ausentes na última. A descrição da pupa é a primeira para o gênero.

**Palavras-chave:** *Neotriplectides desiderata*; Mata Atlântica, Itatiaia, Região Neotropical

### Introduction

The family Atriplectididae is represented by four species included in three genera: *Atriplectides* Mosely, 1936, with two Australian species; *Hughscottiella* Ulmer, 1910, with one species in Seychelles; and *Neotriplectides* Holzenthal, 1997, with one described species from Andean South America (Bolivia, Ecuador, and Peru), thus, showing a disjunct Gondwanian distribution pattern (Holzenthal *et al.*, 2007).

*Atriplectides dubius* (Mosely, 1936) was originally described in the subfamily Triplectidinae (Leptoceridae). Mosely (1936), in the original description, indicated that this species might not be a leptocerid. Subsequently, Mosely & Kimmins (1953) transferred *A. dubius* to the family Odontoceridae. *Hughscottiella auricapilla* (Ulmer, 1910) was originally described in Odontoceridae. After the description of their unusual immature stages (Neboiss, 1978; Marlier, 1978) and observations of similarities between these species, Neboiss (1978) erected the family Atriplectididae to accommodate these two monotypic genera. Later, Neboiss described the second Australian species, *A. ikmaleus* Neboiss, 1999.

Holzenthal (1997) described *Neotriplectides froehlichii* Holzenthal, a new genus and species of Atriplectididae from the Neotropical region. Adults of this species were associated with a larva collected in Peru and