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## A new species of *Tupiperla* Froehlich, 1969 (Plecoptera: Gripopterygidae) from Serra da Jibóia, Bahia, Brazil

TÁCIO DUARTE<sup>1</sup>, PITÁGORAS C. BISPO<sup>2</sup> & ADOLFO R. CALOR<sup>1</sup>

<sup>1</sup>Laboratório de Entomologia Aquática (LEAq), Instituto de Biologia, Universidade Federal da Bahia, Rua Barão de Geremoabo, 147, campus Ondina, CEP 40170-290, Salvador, BA, Brazil. E-mail: dutacio@gmail.com; acalor@gmail.com

<sup>2</sup>Universidade Estadual Paulista Júlio de Mesquita Filho, Faculdade de Ciências e Letras de Assis, Av. Dom Antônio, 2100, Parque Universitário, CEP 19806-900, Assis, SP, Brazil. E-mail: pcbispo@gmail.com

### Abstract

The gripopterygid genus *Tupiperla* comprises 18 species, 16 have been recorded from Brazil, including *T. guariru* n. sp., described here. The new species was collected from streams in the Serra da Jibóia region, Bahia State, Brazil using light traps. Additional material from Amargosa, Bahia State, Brazil was also studied.

**Key words:** Aquatic Insects, freshwater, Gripopterygidae, Neotropical, Stoneflies

### Introduction

The family Gripopterygidae (Antarctoperlaria) includes 28 genera recorded from the Neotropical Region (Froehlich 2010). Four of these genera are known from Brazil, *Gripopteryx* (Pictet, 1841), *Guaranyperla* Froehlich, 2001, *Paragripopteryx* Enderlein, 1909 and *Tupiperla* Froehlich, 1969 (Froehlich 2012). The Brazilian Gripopterygidae includes approximately 50 described species (Bispo & Lecci 2011).

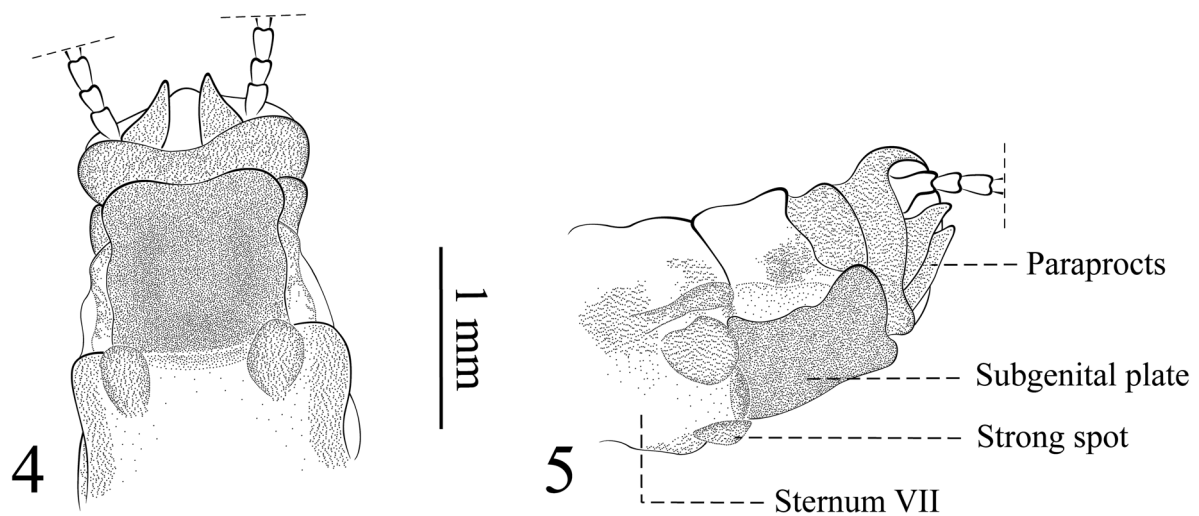
The genus *Tupiperla* presently includes 17 species, *T. amandae* Bispo & Lecci, 2011; *T. barbosai* Avelino-Capistrano & Nessimian, 2013; *T. bispoi* Duarte et al., 2014; *T. eleonorae* (Froehlich, 1994); *T. flinti* Froehlich, 2002; *T. froehlichii* Bispo & Lecci, 2011; *T. gracilis* (Burmeister, 1839); *T. illiesi* Froehlich, 1998; *T. jumirim* Bispo & Froehlich, 2007; *T. misionera* Froehlich, 2002; *T. modesta* Froehlich, 1998; *T. oliveirai* Froehlich, 1998; *T. reichardti* Froehlich, 1998; *T. robusta* Froehlich, 1998; *T. sulina* Froehlich, 1998; *T. tessellata* (Brauer, 1866); and *T. umbya* Froehlich, 1998. This genus has been recorded from southern and southeastern Brazil, the northeastern region of Argentina and the southern region of Paraguay into the mountainous areas of central (Bispo & Lecci 2011) and northeastern Brazil (Duarte et al. 2014).

*Tupiperla* can be recognized by the following characters, the male lacking a sclerotized epiproct and tergum X with a relatively long extension ending in two separated teeth; adults and nymphs have a distoventral spine on the femur (also present in *Guaranyperla*); pronotum is narrower than head (Bispo & Froehlich 2007); adults lack crossveins in the pterostigmatic cell (Froehlich 1998). In this paper, a new species, *T. guariru* n. sp., is described, based on the male and female collected from streams of the Serra da Jibóia, Bahia State, Brazil.

### Material and methods

The mountain range Serra da Jibóia (12°45'25.4"S to 12°58'02.1"S, and 39°26'42"W to 39°30'22.6"W) is located in the municipalities of Elísio Medrado, Santa Teresinha, Castro Alves, Varzedo and São Miguel das Matas, Bahia State. The range is covered by several vegetation types including Atlantic rainforest and semi-arid vegetation known as Caatinga. The highest altitudes reach about 800 m a.s.l. (Freitas & Moraes 2009).

The specimens studied were collected along the streams using light traps and UV light pan traps. All the



FIGURES 4–5. *Tupiperla guariru* n. sp. Adult female, terminalia. 4. Ventral view, 5. Lateral view.

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