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First record of the genera *Luzarida* Hebard, 1928 and *Luzaridella* Desutter-Grandcolas, 1992 (Orthoptera, Gryllidae, Phalangopsinae) from Brazil, including a new species and description of the female of *Luzarida lata* Gorochov, 2011

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Abstract

Luzarida and *Luzaridella* are first recorded from Brazil. A new species of *Luzaridella* and the female of *Luzarida lata* is described from Central Amazon. Habitus, morphological characteristics, male and female genitalia photographs are provided. Calling song of *Luzarida lata* and *Luzaridella* sp. nov. are characterized.

Key words: Cricket, calling song, Grylloidea, Luzarini, Luzarina, Amazon Forest

Introduction

Luzarini Hebard, 1928 includes 61 genera and 289 valid species, occurring in Central and South America, as well as Caribbean Islands and Sub-Saharan Africa (Eades *et al.* 2012). Many authors (Vickery 1976; Desutter-Grandcolas 1992, 1993, 1994; Mello & Pellegatti-Franco 1998; Mews *et al.* 2009; 2010; Bolfarini & Mello 2012; Eades *et al.* 2012) have dismissed this tribe in favor of subfamily Luzarinae.

Subtribe Luzarina was erected by Gorochov (2011) to group genera *Luzara* Walker, 1869, *Luzarida* Hebard, 1928, *Niquirana* Hebard, 1928, *Luzaridella* Desutter-Grandcolas, 1992, *Acantoluzarida* Desutter-Grandcolas, 1992, *Aracamby* Mello, 1992, *Leptopsis* Desutter-Grandcolas, 1996, *Ucayacla* Gorochov, 2011, *Peruzara* Gorochov, 2011, and *Amazonacla* Gorochov, 2011.

Luzarida presents seven valid species (Eades *et al.* 2012) two from French Guiana: *L. guyana* Desutter-Grandcolas, 1992 and *L. grandis* Desutter-Grandcolas, 1992; two from Colombia: *L. annuliger* Hebard, 1928 and *L. pulla* Hebard, 1928; one from Ecuador: *L. recondita* (Nischk & Otte 2000); one from Trinidad & Tobago: *L. gracilior* Hebard, 1928, and one from Guyana: *L. lata* Gorochov, 2011.

Luzaridella includes three valid species, all from French Guiana (Eades *et al.* 2012): *L. annulata* Desutter-Grandcolas, 1992, *L. clara* Desutter-Grandcolas, 1992 and *L. obscura* Desutter-Grandcolas, 1992.

The aim of this work was to register the genera *Luzarida* and *Luzaridella* for the first time from Brazil, and to describe a new species of *Luzaridella* highlighting male genitalia, tegmina morphology and calling song. We also describe the female and present male calling song of *Luzarida lata*.

Materials and Methods

The crickets were collected from the Reserva Florestal Adolpho Ducke, municipality of Manaus, state of Amazonas, Brazil (02°55'S, 59°58'W).