



<http://dx.doi.org/10.11646/zootaxa.4057.2.8>

<http://zoobank.org/urn:lsid:zoobank.org:pub:F31B441A-4DD3-48C8-8736-902559E7D161>

Description of the male and redescription of the female of *Agaurella mirabilis* (Brunner von Wattenwyl, 1891) (Orthoptera: Tettigoniidae) with new behavioral data

DIEGO MATHEUS DE MELLO MENDES^{1,2} & JOÃO RAFAEL ALVES-OLIVEIRA¹

¹Divisão de Curso de Entomologia (DCEN), Instituto Nacional de Pesquisas da Amazônia (INPA), CEP 69060-001, Manaus, AM, Brazil. E-mail: diego.mello.mendes@gmail.com

²Corresponding author

Abstract

The description of the male of *Agaurella mirabilis* is provided as well as the redescription of the female with additional characters. It is recorded for the first time the geographical occurrence to Brazil, within the states of Amazonas and Rondônia, and behavioral data.

Key words: Brazilian Amazon, camouflage, thanatosis, katydids

Resumo

É feita a descrição do macho de *Agaurella mirabilis* e reedição da fêmea com adição de novos a descrição original. É feito pela primeira vez o registro para o Brasil nos estados do Amazonas e Rondônia, e dados comportamentais.

Palavras chaves: Amazônia brasileira, camuflagem, tanatose, esperança

Introduction

The genus *Agaurella* Uvarov, 1939 is one of the seven genera of Amblycorphini, belonging to Phaneropterinae. It was described as *Agaura* Brunner von Wattenwyl, 1891 based on one female specimen. It was subsequently transferred to *Agaurella* by Uvarov, because the name *Agaura* was preoccupied, as Burmesteister described a bird genus with this name in 1873. *Agaurella* is a monotypic genus (Eades *et al.* 2015), comprising only the species *Agaurella mirabilis* (Brunner von Wattenwyl 1891) and his distribution is restricted to the type locality (Alto Amazonas: Peru).

Little is known about the life history and nothing about the behavior of *Agaurella*. The only information known is that the katydids occur in the shrubby vegetation of the understory, as does the related genera, *Amblycorypha* Stål, 1873 and *Orophus* Saussure, 1859. There is no record of this group in the canopy (Cadena-Castañeda 2014).

The purpose of this paper is to update the taxonomic, behavioral and geographical record of *A. mirabilis*, with the redescription of the female, male description, notes on behavior and increase its geographical records.

Material and methods

Specimens are deposited in the following institutions: Coleção de Invertebrados of the Instituto Nacional de Pesquisas da Amazônia, Amazonas, Brazil (INPA); Coleção Zoológica Professor Paulo Bührnheim of the