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Description of a new genus and species, *Pseudobasidissus barclayi* (Coleoptera: Anthribidae), from east Madagascar

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Abstract

A new genus and species, *Pseudobasidissus barclayi* Trýzna & Baňař **gen. nov.** et **sp. nov.** (Anthribidae: Anthribinae: Platyrhinini), from Madagascar is described. Male and female genitalia are studied and illustrated. Colour photographs of the holotype and genitalia of both sexes are provided. Comparison is made with the similar genus *Basidissus* Fairmaire.

Key words: Coleoptera, Anthribidae, Anthribinae, *Pseudobasidissus*, taxonomy, new genus, new species, genitalia, Madagascar, key

Introduction

During our long-term research project in cooperation with the Madagascan National Parks (MNP) and the University of Antananarivo (Department of Entomology) we received specimens of many undescribed genera and species of anthribids. Thanks to this project, which started in 2007 (e.g. Frieser 2010, Trýzna & Baňař 2012, 2013a, 2013b, 2014), we have had the unique opportunity to study the biodiversity of Anthribidae inside protected areas, mainly national parks and special reserves. As the discovery of this new genus indicates, some areas of this large island deserve further detailed and specific field research (for methods see Trýzna & Baňař 2012).

The new genus *Pseudobasidissus* Trýzna & Baňař **gen. nov.** is similar to the genus *Basidissus* Fairmaire, 1897, from which it can be distinguished by the unique suite of morphological characters described herein. For an overview of the similar Madagascan species of the genus *Basidissus* see Trýzna & Baňař (2013b).
The new genus was discovered in a narrow strip of surviving rain forest in eastern Madagascar.

Material and methods

In this work, we measure selected body parts as follows:

length of head = distance from basal margin of eyes to most anterior part of rostrum;

length of rostrum = distance from anterior margin of eyes to most anterior part of rostrum; total body length = distance from pygidium to anterior margin of pronotum and total length of head. Antennomere I is partially hidden in the scrobe, and is hence excluded from measurement. All measurements of the head are taken in a strictly dorsal position.

The term ‘dorsal ocular index’ refers to the ratio of the minimum width of the vertex to the maximum width of the eye; it is easiest to calculate if measured as twice the minimum interocular distance / maximum width across eyes minus minimum interocular distance (e.g. Trýzna & Baňař 2013a, 2014).

Genitalia were prepared from a gently moistened specimen from which the whole abdomen was separated and placed in a small tube with 12% potassium hydroxide solution (KOH) and heated to boiling point for several minutes until all soft tissues were adequately macerated. Genitalia were subsequently placed in distilled water for

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Trýzna & Baňař **gen. nov.** sy **sp. nov.** (Anthribidae: Anthribinae: Platyrhinini), dia voafaritra, ireo taovam-pananahana'ny lahy sy vavy dia nianarana sy nohamarinina, ary voaravaka loko ihany koa ireo taova roa izay voangona.

Mitovy amin'ny zanra *Basidissus* Fairmaire, izay tamin'ny taona 1897 no tokony efa voavaka tsara ny fitohizana tokan'ireo toetra mampiavaka ny haiendrika voalaza ao anatin'ny tahirim-pahalalana nisy. Ny tena mahasamihafa azy ireo dia ireto avy: (1) ireo kantsana salazantsambo mifanohy mivelatra antendrontaovan' lahy sy vavy, dia tsy ao anatin'ny langilangi-tsalazantsambo misaraka, sy (2) vatantsambo miandava izay samihafa eo amin'ny faritry anelanelany maso.

Ity karazana iray vaovao ity dia hita ao amin'ny faritri'avaratra antsinanan'i Madagasikara, faritan'i Antsiranana: Valan-javaboaharin'i Marojejy. Mbola hita ao amin'ny faritra afovoany antsinanan'i Madagasikara ihany koa izy ity, faritan'i Fianarantsoa: Valan-javaboaharin'i Ranomafana. Ireo valan-javaboahary ireo no tena faritra arovana noho izy voasokajy sy mbola ahitana ala matevina natoraly.

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