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A new species of the genus *Apatenia* (Coleoptera: Anthribidae) from Madagascar with notes on female genitalia, redescription of the female of *Apatenia quadristigma* Frieser and list of Madagascan species

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Abstract

A new species, *Apatenia stysi* Trýzna & Baňar **sp. nov.** (Anthribidae: Anthribinae: Corrhecerini), from north-west Madagascar is described and the female allotype of *Apatenia quadristigma* Frieser, 1981 is redescribed. Female genitalia of *A. stysi* **sp. nov.** are studied and illustrated.

Key words: Coleoptera, Anthribidae, Anthribinae, *Apatenia*, taxonomy, new species, female genitalia, Madagascar

Introduction

The genus *Apatenia* Pascoe, 1859, is distributed in the Afrotropical, Lemurian, Oriental and Australian regions and comprises altogether 49 species (Rheinheimer 2004).

Seven species have been described so far from Madagascar, all of which are endemic.

In the present paper we describe a new species from north-west Madagascar. Frieser's (1981) original description of *Apatenia quadristigma* lacks any photographs or drawings. Reading the text of its description, some character states seem to be similar to the newly described species *A. stysi* **sp. nov.**, hence *A. quadristigma* is redescribed and illustrated herein. Madagascan species of the genus *Apatenia* need revision and some species share character states of the genus *Phaulimia* Pascoe, 1859.

Material and methods

Body parts of Anthribidae have been measured inconsistently by many authors in the past. 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 measured in its strictly dorsal position. We use the term 'ocular index' as a ratio of minimum width of vertex to maximum width of eye; an objective measurement of the latter is rather difficult, however, the width of eye is equal to maximum width across eyes minus minimum distance between eyes $\times 0.5$. Hence the ocular index is equivalent to 2 times minimum distance between eyes / maximum width across eyes minus minimum distance between eyes. For the description of female genitalia we use the terminology of Holloway (1982).

The label data of the material examined, as well as type localities in the list of *Apatenia* species are cited verbatim, including potential errors, using a slash (/) to separate rows on one label, and double slash (//) for