



<http://dx.doi.org/10.11646/zootaxa.3905.3.6>

<http://zoobank.org/urn:lsid:zoobank.org:pub:7BE9681A-0902-480F-9D79-2EFAC134B7D8>

Two new species of the genus *Proboscidopirates* (Hemiptera: Heteroptera: Enicocephalidae) from Madagascar with a list of the species

PETR BAŇAŘ^{1,4}, PAVEL ŠTYS², SAHONDRA LALAO RAHANITRINIAINA³
& MARIE ESTHERINE RABOTOSON³

¹Moravian Museum, Department of Entomology, Hviezdoslavova 29a, Brno, CZ-627 00, Czech Republic.

E-mail: petrbanar@seznam.cz, pbanar@mzm.cz

²Charles University in Prague, Faculty of Science, Department of Zoology, Viničná 7, CZ-128 44 Praha 2, Czech Republic.

E-mail: pavelstys@gmail.com

³University of Antananarivo, Faculty of Sciences, Department of Entomology, B.P. 906, Antananarivo, Madagascar.

E-mail: ainsasah@yahoo.com; rabesth@gmail.com

⁴Corresponding author

Abstract

Two new species *Proboscidopirates ericguilberti* sp. nov. Baňář & Štys and *Proboscidopirates rugulosus* sp. nov. Baňář & Štys are described from central-east Madagascar. A list of *Proboscidopirates* species is given. Potential thelytoky of this endemic Madagascan genus, some of its generic and species-specific diagnostic characters and its distribution relative to that of *Oncylocotis* Stål species are discussed.

Key words: Heteroptera, Enicocephalomorpha, Enicocephalidae, *Proboscidopirates*, new species, Madagascar, thelytoky, distribution, head morphology

Famitinana

Ireto karazana *Proboscidopirates ericguilberti* sp. nov. sy *Proboscidopirates rugulosus* sp. nov. ireto dia hita any amin'ny faritra afovoany antsinanan' i Madagasikara. Ny lisitr'ity karazana *Proboscidopirates* ity dia avy amin'ny, zanra andemika izay misy sy azo ampiasaina eto Madagasikara, ny antsasatsasany amin'ireo anefa no manana toetra iombonan'ny karazana iray sy ireo manana ny amantarana ny toetrany manokana ary eo ihany koa ny mahakasika ny fitsinjarana misy amin'ireto karazana *Oncylocotis* Stål ireto izay efa noresahina.

Introduction

The genus *Proboscidopirates* Villiers, 1958 was originally established for three new Madagascan species of Enicocephalinae. Villiers (1969) described an additional three species and keyed all known species of this Madagascan endemic genus. Pavel Štys and Petr Baňář had prepared a draft revision of the genus based on the Villiers collection in the Museum Nationale d'Histoire Naturelle (MNHN) Paris and unidentified material found in MNHN (PŠ), and a few specimens collected (PB) in Madagascar. The revision would more than double the number of known Madagascan species, most of which were known from single specimens. Before submitting the review we found that all of the available specimens (including all the Villiers's type material) are females. This suspected thelytoky stimulated further field research in Madagascar (PB and Malagassy students) that (a) increased the number of new *Proboscidopirates* species insomuch that extension of the revision is at the moment impracticable, and (b) corroborated the existence of obligatory thelytoky in the genus. In this paper, we describe two new species of *Proboscidopirates*, based on abundant material of females (and female nymphs) of both species, and consider tentatively the thelytoky and some other characteristics of the genus.

Acknowledgements

Petr Baňář would like to thank Dr. Lala Harivelo Ravaomanarivo Raveloson (University of Antananarivo, Faculty of Sciences, Department of Entomology) and Dr. Chantal Andrianarivo (Madagascar National Parks) for supporting our research project: '*Étude à long terme de la biodiversité des groupes choisis d'insectes (Coléoptères, Hétero-ptères, Lépidoptères et Homoptères) dans les localités préalablement sélectionnées en considération de la recherche et la protection de la biodiversité dans les aires protégées de Madagascar*'. Petr Baňář thanks to the financial support provided to the Moravian Museum by the Ministry of Culture of the Czech Republic as part of its long-term conceptual development programme for research institutions (ref. MK000094862). Pavel Štys is grateful to the old projects COLPARSYST and SYNTHESYS (Fr-TAF MNHN Paris) 2007 for financing his stay in the department of Entomology in Muséum National d'Histoire Naturelle, Paris, and to Dominique Pluot-Sigwalt and Eric Guilbert for their assistance during his numerous stays in the above institution.

References

- Štys, P. (2002) Key to the genus-group taxa of the extant Enicocephalomorpha of the World, their list, and taxonomic changes (Heteroptera). *Acta Universitatis Carolinae Biologica*, 45 (2001), 339–368.
- Štys, P. & Baňář, P. (2006) New species of *Neocylocotis* (Heteroptera: Enicocephalidae) from Ecuador, with some morphological considerations. *Polskie pismo entomologiczne*, 75 (2), 169–183.
- Villiers, A. (1958) *Insectes Hémiptères Enicocephalidae*. Faune de Madagascar. Vol. 7. Institut de Recherches Scientifiques, Tannarive—Tsimbazaza, 79 pp.
- Villiers, A. (1969) Révision des Hémiptères Henicocephalidae Africains et Malgaches. *Annales du Musée Royal de l'Afrique Centrale, Serie in-8°, Sciences Zoologiques*, 176, 1–232.