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**New records of Namibian Bombyliidae (Diptera),
with notes on some genera and descriptions of new species**

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Abstract

Bombyliidae in the Namibian National Insect Collection and the Albany Museum, Grahamstown, South Africa were identified. This material included six genera and 54 species not previously recorded from Namibia. Among these species three were found to be new and are described: viz., *Heterotropus diamantis* sp. nov., *Hyperusia longirostris* sp. nov., *Exoprosopa gracilis* sp. nov. In addition a new species is proposed, *Doliogethes decipiens* sp. nov. for the species misidentified as *Doliogethes tripunctatus* (Macquart) by previous authors. Six new junior synonyms are proposed: *Anastoechus eurystephus* Hesse (= *A. macrophthalmus* Bezzi), syn. nov.; *Anastoechus leuchocroicus* Hesse (= *A. vatipecten* Bezzi), syn. nov.; *Doliogethes consobrinus* Hesse and *D. meridionalis* Hesse (= *D. aridicolus* Hesse), syn. nov.; *Systoechus bechuanus* Hesse (= *S. robustus* Bezzi), syn. nov.; *Heteralonia (Acrodisca) nephoneura* (Hesse) (= *H. (A.) katonae* (Bezzi)). A supplement to the checklist of Bombyliidae of Namibia including full label data is provided.

Key words: Namibia, Bombyliidae, checklist, new species

Introduction

New species of Bombyliidae described from the collections of the National Museum of Namibia and a checklist of all records from Namibia (Greathead, 2000a) and a special report on Bombyliidae collected during the Brandberg pilot survey (Greathead, 2000b) greatly extended knowledge of the Bombyliidae of Namibia. Since then, further material from the collections of the National Museum of Namibia has been examined, including some older material but also a considerable amount of newly collected material, in all comprising some 2,050 specimens. These include some six genera and 54 species not previously recorded in Namibia, of which four are described as new herein.

Some specimens in the Albany Museum, Grahamstown, South Africa, have also been examined and these records are included with the others in the Appendix. These specimens include a further seven species new to Namibia and reared specimens of *Apolysis hesseana* Evenhuis & Greathead, which is redescribed from both sexes. Its pupa had already been described as *Apolysis* sp. (Greathead, 1999).

Since publication of the original Namibian checklist (Greathead, 2000a), identification of African Bombyliidae has been facilitated by the publication of up-to-date annotated generic keys (Greathead & Evenhuis, 2001) and descriptions of a few significant new species and a genus *Notolegnotus brevis* Greathead & Evenhuis from Namibia. Addenda and corrigenda have also been published (Evenhuis & Greathead, 2003) for the *World Catalog of Bee Flies* (Evenhuis & Greathead, 1999).

Studies on the southern African Crocidiinae have resulted in the description of new species, publication of keys to species of *Crocidium* (Lamas et al., 2003) and *Apatomyza* (Lamas et al., 2001; Lamas & Evenhuis, 2005), which was shown to be a senior synonym of *Adelogenys* Hesse.