



<http://dx.doi.org/10.11646/zootaxa.3827.2.5>

<http://zoobank.org/urn:lsid:zoobank.org:pub:917DAF89-83D0-42E3-8A9F-1FDD3556DD34>

The genus *Manota* Williston (Diptera: Mycetophilidae) in the Congo basin with description of five new species

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Abstract

The *Manota* species in the Congo basin are reviewed and 17 species are recorded. The following five new species are described: *M. grootaerti* sp. n., *M. peltata* sp. n., *M. peltigera* sp. n., *M. reclinata* sp. n., and *M. wittei* sp. n. New records of the following species are presented: *M. freerki* Hippa & Kurina, 2012, *M. issongo* Matile, 1972, *M. kibaleensis* Hippa & Kurina, 2012, *M. lachaisei* Matile, 1972, *M. mabokeensis* Matile, 1972, *M. mazumbaiensis* Söli, 1993, *M. petiolata* Hippa & Kurina, 2012, *M. pilosa* Hippa & Kurina, 2012, *M. relicina* Hippa & Kurina, 2012, *M. senticosa* Hippa & Kurina, 2012 and *M. teocchii* Matile, 1972. *Manota issongo* is redescribed, including detailed illustration of the male hypopygium. The number of Afrotropical *Manota* species is increased to 56.

Key words: Diptera, Mycetophilidae, *Manota*, new species, Afrotropical region, Congo

Introduction

Despite active study during the last decade, continual discovery of new species in the genus *Manota* Williston (type-species *M. defecta* Williston) continues to increase. Originally known from only a few species in temperate regions, including just a single species in Europe (e. g. Jaschhof *et al.* 2011), the diversity of *Manota* species reaches its maximum in tropical areas of the World. Today more than 200 species are known worldwide (Hippa & Kurina 2013 and references therein). In addition to taxonomic study, with description of dozens of new species annually, an attempt has also been made to address the phylogenetic relationships of the genera of Manotinae, including *Manota*, based on both morphological (Hippa *et al.* 2005) and molecular (Ševčík *et al.* 2013) characters. In the Afrotropical region, the present knowledge on diversity of *Manota* species is summarised by Hippa & Kurina (2012), including a key to the species. The distribution and origin of the 51 previously described species are displayed in Figure 1. However, there are still a number of territories with no, or very little, data. One of these is the mid-equatorial region, including the huge territory of today's Democratic Republic of Congo (DRC), where no *Manota* species has been previously recorded.

We studied a collection of *Manota* material from DRC, and describe a number of new species and present new records of previously described species.

Material and methods

The examined material was obtained from two sources. The majority of the specimens were from pinned Sciaroidea material in the Royal Museum for Central Africa, Tervuren, Belgium. One hundred and nineteen specimens were collected by collaborators of the scientific missions to (1) Garamba National Park (on labels as P.N.G.; mission H. de Saeger), (2) Upemba National Park (on labels as P.N.U.; mission G. F. de Witte) and (3) Albert National Park (on labels as P.N.A.; coll. P. Vanschuytbroeck & V. Hendrickx). For collecting details see De

***Manota teocchii* Matile, 1972**

Fig. 1 (location C)

Material examined. DRC, Yangambi NP, sample No. 32007, sweeping 8.vi.2012, leg. P. Grootaert (1♂ on slide, IRSNB); DRC, Yangambi, mono Gilbertio Gil 4, sample No. 33012, sweeping 27.v.2013, leg. P. Grootaert (1♂ on slide, IRSNB).

Remarks. The species was described from the Central African Republic (Matile 1972) and subsequently recorded from Uganda (Hippra & Kurina 2012).

Acknowledgements

OK was funded by grants 8583 and 9174 of the Estonian Science foundation and by institutional research funding (IUT21-1) of the Estonian Ministry of Education and Research. OK is grateful to the European Commission's Research Infrastructure for funding the study visits to RMCA via the SYNTHESYS programme (BE-TAF-2810) and is much obliged to the curator Dr. E. De Coninck (RMCA) for the opportunity to work with the collections. Dr. P. Grootaert (IRSNB, Belgium) is acknowledged for the loan of material he recently collected in DRC. The English text was kindly checked by P. Chandler (Melksham, UK). Dr. P. Kerr (Sacramento, U.S.A.) and Dr. S. S. Oliveira (Ribeirão Preto, Brazil) are thanked for their comments and suggestions on the manuscript.

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