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

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Abstract


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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 (Hippa & Kurina 2012).

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