



New species and new records of *Manota* Williston (Diptera, Mycetophilidae) from the Oriental region

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Abstract

The following 19 new species are described: *Manota aconcinna* (Thailand), *M. ancylochaeta* (Thailand and Malaysia), *M. auriculata* (Thailand), *M. clavulosa* (Thailand), *M. collina* (Thailand), *M. confixa* (Malaysia), *M. crinita* (Malaysia), *M. cristata* (Thailand), *M. fimbriata* (Malaysia), *M. index* (Malaysia), *M. inflata* (Thailand), *M. juncta* (Malaysia), *M. oblonga* (Thailand), *M. parvistylata* (Malaysia), *M. pelli* (Thailand), *M. perlobata* (Thailand and Burma), *M. planilobata* (Thailand), *M. subdentata* (Malaysia), and *M. submirifica* (Thailand). New records are given for the following species: *M. acutangula* Hippa (Thailand), *M. cerciflex* Hippa (Malaysia), *M. curvata* Hippa (Malaysia), *M. globigera* Hippa (Thailand), *M. heptacantha* Hippa (Malaysia), *M. ferrata* Hippa (Malaysia), *M. oligochaeta* Hippa (Thailand), *M. ovata* Hippa (Thailand), *M. pappi* Hippa (Malaysia), *M. pectinata* Hippa (Thailand), *M. perpusilla* Hippa (Thailand), *M. pollex* Hippa (Malaysia), *M. plusiochaeta* Hippa (Malaysia), *M. procera* Hippa (Sarawak), *M. roslii* Hippa (Thailand, Malaysia), and *M. simplex* Hippa (Thailand).

Key words: Diptera, Mycetophilidae, *Manota*, taxonomy, new species, Oriental region

Introduction

For many years, the genus *Manota* was represented in the Oriental region by a single species, *M. orientalis* Senior-White (Senior-White 1922), but in recent years the number of species has rapidly increased to 36. Of the new species, 27 have been described from peninsular Malaysia (Hippa 2006), 7 from Thailand (Hippa and Papp 2007) and 1 from Maluku Utara, Indonesia (Hippa 2007). Several species have also been described from nearby areas, 4 from the eastern Palaearctic (Papp 2004, Ševčík 2002) and 12 from New Guinea (Hippa 2007). One of the species from New Guinea was recorded from Thailand by Hippa and Papp (2007).

An outstanding effort to build up an inventory of the insect diversity in the Oriental region is being made by the “Thailand Insect Group for Entomological Research (TIGER) project”. Over three years, 10 Thailand national parks are being sampled with Malaise traps by park staff. The material is sorted to major taxonomic groups by trained technicians at the Queen Sirikit Botanic Garden, Thailand, to be further used by taxonomic specialists around the world. I have studied *Manota* in that part of the material which was collected in 2006, and am publishing the results in this paper. The material contains 20 species of which no less than 12 are new. As a remarkable detail, it may be worth mentioning here that not one of the 7 species recently described from Thailand (Hippa and Papp 2007) has been found in the new material. I take the opportunity to include in this paper other unpublished Oriental *Manota* material found in the Natural History Museum, London, and the Swedish Museum of Natural History, Stockholm.

Material and methods

The material was preserved in ethanol except for a few specimens which were dry, either pinned or glued on labels. I have detached the abdomen or only the apical part of abdomen from specimens and macerated the detached part in warm potassium hydroxide (10% KOH). I have further detached the hypopygium beyond segment 8. After washing in water and step-wise dehydration in concentrated alcohol, I have placed the parts of the abdomen for a few seconds in clove oil (eugenol), after which I have mounted them in “Euparal” between two pieces of cover glass, which enables the specimen to be studied from both sides under a com-