

Taxonomy of the Sciaridae (Diptera) of Northern Europe: description of eight new species

[Zur Taxonomie der Sciaridae (Diptera) Nordeuropas:
Beschreibung von acht neuen Arten]

by

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Abstract

Eight new species of Sciaridae (Diptera: Sciaroidea) are described from Northern Europe: *Cratyna* (s. str.) *sicata* spec. nov., *Dolichosciara spissispina* spec. nov., *Lycoriella* (s. str.) *tenera* spec. nov., *Lycoriella* (*Hemineurina*) *piristylata* spec. nov., *Peyerimhoffia quadrifera* spec. nov., *Pseudolycoriella enigmatica* spec. nov., *Scatopsiara* (*Xenopygina*) *obliqua* spec. nov. and *Xylosciara* (s. str.) *senta* spec. nov. The important morphological details of the new species are illustrated and discussed.

Key words

Sciaroidea, Sciaridae, Palaearctic Region, Europe, Austria, Finland, Norway, Sweden, taxonomy, new species

Zusammenfassung

Acht neue Sciaridae-Arten (Diptera: Sciaroidea) werden aus Nordeuropa beschrieben: *Cratyna* (s. str.) *sicata* spec. nov., *Dolichosciara spissispina* spec. nov., *Lycoriella* (s. str.) *tenera* spec. nov., *Lycoriella* (*Hemineurina*) *piristylata* spec. nov., *Peyerimhoffia quadrifera* spec. nov., *Pseudolycoriella enigmatica* spec. nov., *Scatopsiara* (*Xenopygina*) *obliqua* spec. nov. und *Xylosciara* (s. str.) *senta* spec. nov. Die wichtigen morphologischen Details der neuen Arten wurden figuriert und diskutiert.

Stichwörter

Sciaroidea, Sciaridae, paläarktische Region, Europa, Österreich, Finnland, Norwegen, Schweden, Taxonomie, neue Arten

Introduction

After the publication of TUOMIKOSKI's (1960) monograph on the Sciaridae of Finland with 212 species included, additions to the Sciaridae fauna of Finland have been made mainly through various taxonomic revisions (HIPPA & VILKAMAA 1991, 1994, 2004, 2005; HIPPA et al. 2003, 2010; VILKAMAA & HIPPA 2005, 2006; VILKAMAA et al. 2004, 2013; HELLER 2012), whereas few studies focused mainly on faunistics have been undertaken (SALMELA & VILKAMAA 2005, VILKAMAA et al. 2007). For Sweden, the latest faunal list was published by HELLER et al. (2009). The material for the newly found species from Finland and Sweden has been accumulated especially through the outstanding collecting activity of Jukka SALMELA and Mathias JASCHHOF in the 2000s'.

The aim here is to describe the new Nordic species found in various genera. For the new species of larger genera in the region, new studies are in progress: *Bradysia* WINNERTZ (HELLER et al., in preparation) and *Leptosciarella* TUOMIKOSKI (HELLER, in preparation).

Material and methods

We selected specimens of the new species from unsorted sciarid or insect material kept in ethanol and mounted them on microscope slides in Euparal. For nomenclature, we used the revisions of the Palaearctic Sciaridae (MENZEL & MOHRIG 2000) and the revision of the Nearctic Sciaridae (MOHRIG et al. 2013), with the exception that *Dolichosciara* TUOMIKOSKI, *Prosciara* FREY, *Mouffetina* FREY and *Peyerimhoffia* KIEFFER were