

A revised checklist of Norwegian moth flies (Diptera, Psychodidae)

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A revised checklist with regional records of the Norwegian moth flies is given, listing 36 species. *Clytocerus rivosus* (Tonnoir, 1919), *Ulomyia fuliginosa* (Meigen, 1818), *Pneumia borealis* (Berdén, 1954), *Psychoda (Logima) satchelli* Quate, 1955, *Parajungiella longicornis* (Tonnoir, 1919), *Panimerus albomaculatus* (Wahlgren, 1904) and *Tonnoiriella nigricauda* (Tonnoir, 1919) are recorded in Norway for the first time, while the occurrences of *Psychoda (Tinearia) alternata* Say, 1824 and *Psychoda (Apsycha) pusilla* Tonnoir, 1922 are validated.

Key words: Psychodidae, Norway, new records

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Introduction

Based on material in Norwegian collections, Andersen & Håland (1995) compiled a list of 26 species of moth flies from Norway. When studying the Siebke collection housed in the Natural History Museum in Oslo (NHMO), Andersen & Amundsen (1997) added *Peripsychoda auriculata* (Curtis, 1839). The first checklist of Norwegian moth flies with regional records was given by Håland & Andersen (1996).

In 2010 the project "Insects inhabiting freshwater and humid habitats in Finnmark", which targets Psychodidae among other groups, was granted by The Norwegian Biodiversity Information Centre (Artsdatabanken). Before starting identifying the material from Finnmark we found it necessary to update the previous checklist. All Psychodidae material in the collections in the natural history museums in Tromsø, Trondheim, Oslo and Bergen have been studied as well as other available material. The list comprises 36 species

and with a few exceptions (see notes), all records are based on material studied by the authors. Six species previously not recorded from Norway and two species previously recorded from Norway without detailed locality information are added. *Parabazarella neglecta* (Eaton, 1893), recorded by Andersen & Håland (1995) based on a single male from northern Oppland, is deleted. New material indicates that these specimens actually belong to a new species, which will be described elsewhere. We also provide additional regional distributional data for several species. However, 57 species have so far been taken in Finland and 59 in Sweden (Bo W. Svensson & Jukka Salmela pers. comm.), so more species are to be expected.

Material and methods

Most of the material has been collected with hand nets, Malaise traps or light traps and preserved in alcohol. Slide preparations using Canada balsam