

# New records of Phaeomyiidae and Sciomyzidae (Diptera) in Norway

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Records of one species of Phaeomyiidae and six species of Sciomyzidae (Diptera) from Norway are given: *Pelidnoptera fuscipennis* (Meigen, 1830) and *Dichetophora finlandica* Verbeke, 1964, *Euthycera fumigata* (Scopoli, 1763), *Pherbellia annulipes* (Zetterstedt, 1846), *P. griseicollis* (Becker, 1900), *P. griseescens* (Meigen, 1830) and *Tetanura pallidiventris* Fallén, 1820. *Euthycera fumigata* is here recorded from Norway for the first time, and both *P. griseicollis* and *P. griseescens* are recorded from Norway for the second time.

Key words: Diptera, Phaeomyiidae, Sciomyzidae, faunistics, Norway

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## INTRODUCTION

The first check-list of the Sciomyzidae of Norway was published by Siebke (1877). Knutson & Berg (1971) made a synopsis of the family. Rozkošný (1984) surveyed the Sciomyzidae for Fennoscandia and Denmark. He listed 78 species from Sweden, while only 55 species have hitherto been recorded from Norway. The Phaeomyiidae was both in 1971 and 1984 treated as a subfamily of Sciomyzidae, no Norwegian dipterist has, however, extensively collected material of either Phaeomyiidae or Sciomyzidae.

This is the first time Phaeomyiidae is treated as a separate family in the literature of Norwegian Diptera. Griffiths (1972) based the separation of Phaeomyiidae from the Sciomyzidae on genital structure. However, both families were treated as subfamilies by most authors long past this time.

Since Vala et al. (1990) proved that the larvae of at least one species of Phaeomyiidae are parasitoids of millipedes, and differ in several characteristics from the larvae of Sciomyzidae, the Phaeomyiidae have been recognized as a separate family (Rozkošný 1998).

This paper presents new records of one species of Phaeomyiidae and six species of Sciomyzidae collected in the last two decennials. One species, *Euthycera fumigata* (Scopoli, 1763), is new to Norway

Records of each species include the EIS-grid number, based on 50x50 squares. The distributional records follow the revised Strand system (Økland, 1981).

The material is kept in Zoological Museum, Univ. Bergen unless otherwise noted. Other

abbreviations used are LT=Light trap, MT=Malaise trap and YT= Yellow trays.

## THE RECORDS

### PHAEOMYIIDAE

#### ***Pedlinoptera fuscipennis* (Meigen, 1830)**

**AK**, Frogn: Håøya (EIS 28), MT B, 27 June–22 July 1984, 3♂♂. **TEY**, Porsgrunn: Brevik, Dammane (EIS 11), MT, 13–27 June 1988, 8♂♂ 1♀, 27 June–12 July 1988, 9♂♂4♀♀, 12–20 July 1988, 8♂♂, 20 July–12 August 1988, 5♂♂, Hitterødbekken, Kjørholt (EIS 11), MT, 13 June–11 July 1988, 1♂, 10–20 July 1988, 1♂, 12 July–20 August 1988, 1♂3♀♀.

**Note:** *P. fuscipennis* was recorded for the first time from Norway from TEI (Greve & Økland 1989), a second record from Ostøya in the Oslofjord by Greve & Midtgaard (1992). The total Norwegian distribution including the three records presented here covers only three EIS squares. The number of specimens from the two localities in TEY is high, a total of 41 specimens. Flight time is from middle of June until middle of August.

**Distribution:** *P. fuscipennis* is obviously not common, and the few records indicate that it is a rare species in SE Norway. It is only recorded from the southernmost parts of Fennoscandia (Rozkošný 1984). The distribution is European, south to Italy.

### SCIOMYZIDAE

#### ***Dichetophora finlandica* Verbeke, 1964**

Ø, Hvaler: Southern Sandøy, Skjelleren (EIS 12), net, 31 July 1992, 1♂. **AK**, Enebakk: Nordre Bøler (EIS 29), MT, August 1996, 1♂2♀♀. **BØ**, Nedre Eiker: Mjøndalen, Miletjern (EIS 28), LT, Ultimo August 1988, 1♀; Ringerike: Sokna, at vicarage (EIS 36), MT, 23 June–28 July 2005, 1♂. **BV**, Ål: Venadokka, Storeteigen (EIS 43), MT, 18 July–18 August 2000, 1♀. **AAI**, Bygland: Heddevika (EIS 9), MT, 1–29 July 1998, 1♀.

**Note:** *Dichetophora finlandica* was first published from AK by Knutson & Berg (1971), a specimen collected by Siebke, but not listed by him in 1877. Hansen & Falck (2000) in their survey from year

1995 to year 1998 of the insect fauna of lake Østensjøvann, collected no additional specimens. Rozkošný does, however, include another record of *D. finlandica* from SFI Aurland: Vassbygda in his provincial lists, but without mentioning it in the text. This is a male netted 22 July 1981 (in ZMB). Greve & Økland (1989) added a third record, a male from southern Oppland (OS), and Hansen & Bergsmark (1990) a fourth from their survey of Miletjern, eastern Buskerud (BØ). All together ten records, all from southern Norway, are known.

**Distribution:** The Swedish distribution of *D. finlandica* is from Skåne to Jämtland, and it is not considered particularly rare in Sweden. The distribution in Norway is restricted to the southern part of the country, the records are scattered and *D. finlandica* must still be considered an uncommon species. The distribution is European, south to Bulgaria and France.

#### ***Euthycera fumigata* (Scopoli, 1763)**

Ø, Sarpsborg: Vik, Vestre, “Sandbakken” (EIS 20), 16 August 2007, 1♀.

**Note:** *Euthycera fumigata* is here recorded new to Norway. One female was netted by TJO in scrub with grass and thistles.

**Distribution:** *E. fumigata* is not rare in Denmark (Meier & Torp Petersen 2001) while it is not recorded from many provinces in Sweden and it has not been reported from Finland (Rozkošný 1984). *E. fumigata* is hitherto not recorded in North-Western Russia (Andrey Przhiboro pers. comm.).

#### ***Pherbellia annulipes* (Zetterstedt, 1846)**

**BØ**, Drammen: Underlia (EIS 28), MT, August 1995, 1♂; Hurum: Tofteholmen (EIS 19), MT, 28 May–7 July 1991, 3♀♀, 7–31 July 1991, 1♂ 1♀, 31 July–1 September 1991, 1♂2♀♀. **VE**, Våle: Langøya (EIS 19), MT, June 1990, 1♀.

**Note:** *P. annulipes* was first recorded by Siebke (1877); the locality Marem(?Manum) near Tønsberg in Vestfold province is quoted by both Knutson & Berg (1971) and Rozkošný (1984). The second record from Norway was Ostøya in the Oslofjord (Greve & Midtgaard 1992). The three new records are from the same restricted

area, and all records are from EIS squares 19 and 28. *P. annulipes* must be regarded as a rare species from a restricted area in SE Norway.

**Distribution:** *P. annulipes* is distributed in Sweden north to Östergötland and was not recorded from Finland (Rozkošný 1984). The distribution is European, south to Corsica, Italy and the former Yugoslavia, Southern Fennoscandia is the northernmost area of distribution (Rozkošný 1984).

***Pherbellia griseicollis* (Becker, 1900)**

FØ, Sør-Varanger: Pasvik, Noatun (EIS 160), MT, 26 June–1 July 1990.

**Note:** This is the second record of *P. griseicollis* from Norway where it earlier only was recorded from Oppdal: Kongsvoll at 900 m a s l (Rozkošný 1984), a locality in the alpine region in Central Norway. The new record is in the lowland in northern Norway and the Malaisetrap was situated in *Betula* sp. herbage on a wet meadow.

**Distribution:** *P. griseicollis* in Sweden is recorded from Jämtland and northwards. The new record is probably the northernmost in Fennoscandia. *P. griseicollis* is further recorded from Murmansk and West Siberia (Rozkošný 1984). The distribution is Holarctic, and Orth (1987) presents a map of Nearctic distribution.

**Biology:** The biology is described by Knutson (1987).

***Pherbellia grisescens* (Meigen, 1830)**

AK, Fet: Fetsund (EIS 29), net, 11 September 1999, 7♂♂3♀♀. VE, Tjøme: Mostrand (EIS 19), YT, 14–17 July 1986, 1♀. HOY, Tysnes: Vevatn, at outlet (EIS 31), net, 1 July 1992, 2♂♂6♀♀.

**Note:** Both Knutson & Berg (1971) and Rozkošný (1984) record only Ardö's (1957) single locality from Rogaland where *P. grisescens* was collected near a dune lake at Orre. This locality was visited summer 2007, but no specimens were collected.

**Distribution:** *P. grisescens* is obviously fairly rare in Norway. It is widely distributed in Sweden and Finland, but also here scattered. Further distribution is Palearctic and Oriental.

***Tetanura pallidiventris* Fallén, 1820**

RY, Finnøy: Hauskjevattnet (EIS 14), MT, 7–17 June 1992, 1♀; Kyrkjøy (EIS14), MT, 1–24 July 1994, 2♀♀ (in coll. T. Jonassen). MRY, Sykkylven: Gjevenes (EIS 76), MT, 11 June–11 August 2000, 1♂1♀. NSI, Saltdal: Fiskvåg (EIS 127), 2 July 1989, 3♀♀.

**Note:** *T. pallidiventris* was recorded new to Norway by Greve (1991) from MRY Hareidlandet. The new localities are spread from Rogaland in Southern Norway to Saltdal in Northern Norway, thus the total distributional area is much extended. *T. pallidiventris* must still be regarded as fairly rare.

**Distribution:** *T. pallidiventris* is recorded as rather uncommon in both Denmark and Sweden, while it is widespread in Southern and Central Finland. It is distributed in North and Central Europe, and in the Far East of the former USSR (Rozkošný 1984). The European distribution is mapped by Knutson (1970).

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