
Further records of rare flies from Norway (Diptera: Periscelididae, Stratiomyidae, Scathophagidae, Muscidae, Fanniidae, Calliphoridae, Rhinophoridae, Sarcophagidae, Tachinidae)

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The following species are reported from Norway for the first time: *Periscelis annulata* (Fallén, 1813) (Periscelididae), *Zabrachia minutissima* (Zetterstedt, 1838) (Stratiomyidae), *Helina abdominalis* (Zetterstedt, 1846) (Muscidae), *Piezura graminicola* (Zetterstedt, 1846) (Fanniidae), *Melanophora roralis* (L., 1758) (Rhinophoridae), *Ceromya silacea* (Meigen, 1824) (including a record from Sweden) and *Trichactia pictiventris* (Zetterstedt, 1855) (Tachinidae). In addition, data are given for the following rarely recorded species: *Megophtalma pallida* (Fallén, 1819) (Scathophagidae), *Acanthiptera rohrelliformis* (Robineau-Desvoidy, 1830) and *Phaonia goberti* (Mik, 1881) (Muscidae), *Fannia pallitibia* (Rondani, 1866) (Fanniidae), *Bellardia bayeri* (Jacentkovsky, 1937) (Calliphoridae), and *Hilarella hilarella* (Zetterstedt, 1844) (Sarcophagidae).

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INTRODUCTION

During the sorting by the senior author of a large collection of Diptera donated to Zoologisk Museum by the junior author, several interesting species were discovered. Details of these records are given below as a sequel to the paper of Rognes (1995). Taxa new to Norway are marked with an asterisk (*). Specimens are deposited in ZMO, unless otherwise noted. Depository abbreviations: ZMO=Zoological Museum, University of Oslo, KR=collection of Knut Rognes.

The specimen was discovered among insect material reared from elm bolts (*Ulmus glabra*) attacked by dutch elm disease and *Scolytus laevis* Chapuis (Col., Scolytidae). The bolts were kept outdoors in tight muslin bags from November 1991 until October 1992, and the bags were emptied every fifth day. The specimen was identified using Duda (1934) and Shtakelberg (1988). The species is known from the Western Palearctic, including Sweden and Finland, and the Nearctic Regions (Papp 1984)

*Family Periscelididae

**Periscelis annulata* (Fallén, 1813)

BØ, Lier: Gommerud, EIS 28, 1 ♀ among reared material that emerged 27-31 May 1992, L.O. Hansen leg.

Family Stratiomyidae

**Zabrachia minutissima* (Zetterstedt, 1838)

BØ, Drammen: Underlia, EIS 28, 1 ♀ 1-30 June 1992, malaise-trap, L.O. Hansen leg.

This minute fly has most likely been overlooked because of its small size. It is known north to Kuusamo in Finland and Jämtland in Sweden (Rozkosny 1973). Its larva lives under the bark of coniferous trees (i.e. *Picea*, *Abies*, *Pinus*).

Family Scathophagidae

Megophthalma pallida (Fallén, 1819)

BØ, Nedre Eiker: Mjøndalen, Hagatjern, Ryggsætra, EIS 28, 1 ♀ July 1994, malaise-trap, Y. Berg & L.O. Hansen leg.

This species was reported from Norway by Zetterstedt (1838: 726-727, «Björkvik et Schiervoe Nordlandiae, ..., in Dowre, D. Boheman»; 1846: 2008-2010, [same records, but the «Dowre» record not mentioned], both as *Cordylura pallida*). Siebke (1877: 137) only repeated Zetterstedt's records and had no captures of his own. No specimens exist in the Siebke collection in ZMO. Ringdahl (1952) catalogued the species from Norway, apparently on the basis of Zetterstedt's records. It has already been recorded from Finland (Hackman 1956) and Sweden (Ringdahl 1952). The distribution is Holarctic (Gorodkov 1986).

Family Muscidae

**Helina abdominalis* (Zetterstedt, 1846)

BØ, Hurum: Tofteholmen, EIS 19, 2 ♂ 2 ♀ 28 May-7 July 1991, malaise-trap, L. O. Hansen leg.; Drammen: Underlia, EIS 28, 1 ♂ May 1994, 2 ♀ August 1994, 1 ♀ September 1994, malaise-trap, L.O. Hansen leg.

This species is widely distributed in Europe (Pont 1986). It occurs north to Uppland and Gotland in Sweden (Ringdahl 1952, 1956) and Alandia and Nylandia in southern Finland (Tiensuu 1935). The present record raises the number of muscids known from Norway to 290 (cf. Rognes 1986d).

Acanthiptera rohrelliformis (Robineau-Desvoidy, 1830)

AK, Sørum: Lørenfallet, Egner, EIS 37, 1 ♀ August 1994, malaise-trap, L.O. Hansen & O. Sorlibråten leg. BØ, Drammen: Underlia, EIS 28, 1 ♀ August 1994, malaise-trap, L.O. Hansen leg.

The larva of this species lives as scavenger in the nests of vespid wasps. It is a southern species in Fennoscandia and has previously been reported from Rogaland (RY) (Rognes 1982, coll. KR) and Østfold (Siebke 1877). No specimens are present in the Siebke collection in ZMO.

Phaonia goberti (Mik, 1881)

BØ, Lier: Utengen (Egge), EIS 28, 1 ♂ 1 ♀ among reared material that emerged 27-31 May 1992, L.O. Hansen leg.

The specimens were teneral and found among insect material reared from elm bolts (*Ulmus glabra*) attacked by dutch elm disease and *Scolytus laevis* Chapuis (Col., Scolytidae). The bolts were kept outdoors in tight muslin bags from November 1991 until October 1992, and the bags were emptied every fifth day. Both specimens had the prosternum bare and the ST1 hairy. Only two males have been known from Norway previously (cf. Rognes 1986).

Family Fanniidae

**Piezura graminicola* (Zetterstedt, 1846)

VE, Våle: Langøya, EIS 19, 2 ♀ 1 September-26 October 1991, malaise-trap, L.O. Hansen leg. BØ, Nedre Eiker: Mjøndalen, Hagatjern, Ryggsætra, EIS 28, 1 ♂ 1 ♀ July 1994, malaise-trap, Y. Berg & L.O. Hansen leg.; Drammen: Underlia, EIS 28, 1 ♂ August 1994, malaise-trap, L.O. Hansen leg.

With these captures both European species of *Piezura* have been recorded from Norway (cf. Rognes 1995, where *P. boletorum* was reported). In Scandinavia *P. graminicola* is known from Sweden, but not Denmark or Finland (Pont 1986). A total of 44 fanniid species is thus known from Norway at present (cf. Rognes 1985).

Fannia pallitibia (Rondani, 1866)

Ø, Rygge: Ekeby, Gunnarsbybekken, EIS 19, 4 ♀ 24 August-16 October 1992, malaise-trap, L.O. Hansen & G. Wahlberg. VE, Våle: Langøy, EIS 19, 1 ♂ 6 July-2 August 1991, 1 ♀ 1 September-26 October 1991, malaise-trap, L.O. Hansen leg.

A single male has been recorded from VAY (in ZMO) (cf. Rognes 1985), but record not included in Pont (1986).

Family Calliphoridae

Bellardia bayeri (Jacentkovsky, 1937)

BØ, Drammen: Underlia, EIS 28, 1♂ August 1994, malaise-trap, L.O. Hansen leg.

This species is very rare in Fennoscandia and Denmark, and has previously been taken in Norway only in VAY (Rognes 1991).

Family Rhinophoridae

**Melanophora roralis* (L., 1758)

BØ, Drammen: Underlia, EIS 28, 1♂ July 1992, 2♂ 1♀ August 1994, 1♂ September 1994, malaise-trap, L.O. Hansen leg.

This species is widely distributed in Europe. It is a parasite of *Porcellio scaber* (Isopoda). With the present record seven species of Rhinophoridae are known from Norway (cf. Rognes 1986b).

Family Sarcophagidae

Hilarella hilarella (Zetterstedt, 1844)

VE, Våle: Langøya, EIS 19, 2♀ 8 July-2 August 1991, malaise-trap, L.O. Hansen leg.

Siebke (1877: 90, as *Miltogramma hilarella*) reported to have taken a female in the Botanical garden of Oslo (at Toyen). Since no specimen could be located in ZMO, the record was not accepted by Rognes (1986a). The species has an Holarctic distribution and is also known from Denmark, Sweden and Finland (Pape 1987). This record brings the number of Sarcophagidae known from Norway to 50 species.

Family Tachinidae

**Ceromya silacea* (Meigen, 1824) ¹⁹⁹²

Norway: BØ, Nedre Eiker: Mjøndalen, Hagatjern, Ryggsetra, EIS 28, 1♀ June 1994, Y. Berg & L.O. Hansen.

Sweden: Upl., Öregrund nr Sunnanö, 1♂ 14-17 July 1980, A.C. Pont leg. (KR)

These are the first records from Scandinavia. The species is reported from Finland by Andersen (1983: 12), but not by Hackman (1980). It is neither reported from Fennoscandia and Denmark in Herting & Dely-Draskovits (1993) nor from Sweden by Ringdahl (1952). It is a parasite of *Lithacodia pygarga* Hufn. (Lep. Noctuidae) (Tschorsnig & Herting 1994).

**Trichactia pictiventris* (Zetterstedt, 1855) ¹⁹⁹²

BØ, Nedre Eiker: Mjøndalen, Hagatjern, Ryggsetra, EIS 28, 5♀ July 1994, Y. Berg & L.O. Hansen.

Herting & Dely-Draskovits (1993) report this rare species from Austria, Switzerland, Czechoslovakia, France, Sweden and Israel. Tschorsnig & Herting (1994) cite an old record from Hessen in Germany. From Sweden only the holotype is known, which was found by Bohemann in Sk.: Degeberga (Ringdahl 1945). The host is unknown.

With the addition of these two species, the number of tachinids known from Norway is at present 193 species (cf. Rognes 1986c, 1995).

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SAMMENDRAG

Flere funn av sjeldne fluer fra Norge (Diptera: Periscelididae, Stratiomyidae, Scathophagidae, Muscidae, Fanniidae, Calliphoridae, Rhinophoridae, Sarcophagidae, Tachinidae)

Følgende arter er rapportert fra Norge for første gang: *Periscelis annulata* (Fallén, 1813) (Periscelididae), *Zabrachia minutissima* (Zetterstedt, 1838) (Stratiomyidae), *Helina abdominalis* (Zetterstedt, 1846) (Muscidae), *Piezura graminicola* (Zetterstedt, 1846) (Fanniidae), *Melanophora roralis* (L., 1758) (Rhinophoridae), *Ceromya silacea* (Meigen, 1824) (including a record from Sweden) og *Trichactia pictiventris* (Zetterstedt, 1855) (Tachinidae). I tillegg er det gitt funnopplysninger om følgende sjeldne arter: *Megophthalma pallida* (Fallén, 1819) (Scathophagidae), *Acanthiptera rohrelliformis* (Robineau-Desvoidy, 1830) og *Phaonia goberti* (Mik, 1881) (Muscidae), *Fannia pallitibia* (Rondani, 1866) (Fanniidae), *Bellardia bayeri* (Jacentkovsky, 1937) (Calliphoridae), og *Hilarella hilarella* (Zetterstedt, 1844) (Sarcophagidae).

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