

# New Records of Norwegian Sciomyzidae (Diptera)

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Records of 21 species of the family *Sciomyzidae* are given. *Pelidnoptera fuscipennis* (Meigen, 1830), *Antichaeta atriseta* (Loew, 1849) and *Antichaeta brevipennis* (Zetterstedt, 1846) are recorded for the first time from Norway. Several species hitherto recorded from few localities in Norway are probably common in the country.

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Rozkošný (1984) published a comprehensive study on the Norwegian Sciomyzidae in the fourteenth *Fauna Entomologica Scandinavica* volume. This survey included material up to 1984 from all major Norwegian museums of natural history. Still, only 47 species are recorded from Norway, compared to 78 in neighbouring Sweden, 71 species in Finland and 67 in Denmark (Rozkošný 1984; Rozkošný & Greve, 1984). There are also comparatively few provincial records from Norway.

Thus, the present publication is based on the identification of 373 specimens belonging to 21 species of Sciomyzidae. Three species, *Pelidnoptera fuscipennis* (Meigen, 1830), *Antichaeta atriseta* (Loew, 1849) and *Antichaeta brevipennis* (Zetterstedt, 1846), are new to the Norwegian fauna. Several of the species have been recorded from few localities in Norway. However, some of these species are not rare in the country, but they have probably been overlooked by collectors, or not looked after at all. The material is either deposited in ZMO (Zoological Museum, University of Oslo), in The Museum, Trondheim, or in the ZMB (Zoological Museum, University of Bergen).

Since the *Sciomyzidae* ought to be better investigated in Norway, we encourage our fellow entomologists to collect them to learn more of the distribution of the different species. Rozkošný (1984) in his introduction gives a good description of the flies belonging to this family.

The distributional records follow the revised Strand system (Økland, 1981).

## MATERIAL

*Pelidnoptera fuscipennis* (Meigen, 1830)  
New records: TEI 1129 Kviteseid: Kviteseid EIS 17 Light trap, 23—27 June 1988 2♀♀, 11—20 July 1988 1♂ 1♀ (ZMB).

*P. fuscipennis* is new to the fauna of Norway. This species is the first of the genus recorded from Norway. The trap was placed near a small stream in a mixed forest. The species is distributed in southern Fennoscandia, but is not common (Rozkošný, 1984). The biology of the Fennoscandian species of *Pelidnoptera* are virtually unknown.

*Colobaea bifasciella* (Fallén, 1820)  
New records: VE 0923 Tjøme, Mostrandane EIS 19 20 July 1983 3 ♂♂ 1 ♀ (ZMB). TEY 1005 Porsgrunn: Brevik, Dammane EIS 11 31 July 1983 3 ♂♂ 1 specimen (ZMB).

*C. bifasciella* has only been recorded once from Norway; from Nordseter near Lillehammer in southern Oppland province. It is the only species of the genus known from Norway.

*C. bifasciella* has a characteristic wing pattern and is thus easy to recognize despite the small size. The species is fairly rare in the Fennoscandia and Denmark (Rozkošný, 1984).

*Pherbellia albocostata* (Fallén, 1820)  
New records: BØ 0728 Hurum: Tofte EIS 28 Malaise trap 2—17 June 1985 1♂, 8 Aug.—1 Sept. 1985 1 ♀ (ZMB). TEY 1005 Porsgrunn: Brevik, Sandøy EIS 11 2—17 June 1986 1 ♀, 10 July 1986 1 ♂ (ZMB). TEI 1126 Tinn: Håkanes EIS 26 July 1984 1 ♂ (ZMB). VAY

1404 Flekkefjord: Store Eikås near Gyland EIS 4 VLK 703724 21 June—6 July 1982 1 ♀ (ZMB). HOY 1842 Samnanger: Ådland EIS 40 Malaise trap 14—28 May 1982 1 ♂ (ZMB); 1853 Osterøy: Marikovane EIS 39 27 June 1982 1 ♂ (ZMB); 1863 Lindås: Hodneli EIS 39 12 June 1988 1 ♂ (ZMB). HOI 1911 Etne: Nordelvi VLM 300185 EIS 23 26 June 1985 1 ♀ (ZMB). SFI 2121 Aurland: Near Botn EIS 51 VLN 977445 28 August 1987 1 ♀ (ZMB). NSY 2804 Bodø: Urskar, Storlitjern EIS 126 27 July 1986 1 ♀ (ZMB). NSY 2804 Bodø: Valnes, Sjøgand EIS 130 27 July 1987 1 ♀ (ZMB). NSY 2804 Bodø: Valnesvann, Ørnli EIS 130 15 July 1984 2 ♀♀ (ZMB). TRY 3217 Ibestad: Rolla, Sørrollnes EIS 145 18 Aug. 1983 1 ♀ (ZMB). FØ 2730 Sør-Varanger: Svanvik, Svanhovd EIS 169 28 June—4 Aug. 1986 1 ♂ 3 ♀♀ (ZMB).

*P. albocostata* is apparently a common species in most parts of Norway. Specimens have been caught from May to August. Rozkošný (1984) reports *P. albocostata* from mesic woods. Our material is from both deciduous and coniferous woods.

#### *Phorbella dubia* (Fallén, 1820)

New records: AK 0201 Oslo: Bygdøy Hengsen EIS 28 1 June 1984 1 ♂ 1 ♀ (ZMB); 0219 Bærum: Ostøya EIS 28 31 May 1984 1 ♂, 10 June—1 July 1984 1 ♂ 1 ♀ (ZMB); 0220 Asker: Bårdrudtjern EIS 28 4 July 1986 1 ♀ (ZMO). BØ 0728 Hurum: Tofte EIS 28 Malaise trap 17 June—17 July 1985 10 ♂♂ 8 ♀♀, 8 Aug.—1 Sept. 1985 1 ♀ (ZMB). HOY 1801 Bergen (Fana): Grimseid EIS 30 8 June 1983 1 ♀ (ZMB); 1801 Bergen (Åsane): Eidsvåg, Vollane Malaise trap 14—21 June 1986 2 ♂♂ 1 ♀, 21 June—10 July 1986 10 ♂♂ 27 ♀♀, 22—31 July 1986 3 ♂♂ 2 ♀♀, 31 July—16 Aug. 1986 3 ♂♂ (ZMB). HOI 1935 Voss: Mjølfjell VLN 864317 EIS 41 Malaise trap 29 June—6 Aug. 1986 2 ♀♀ (ZMB). SFY 2032 Førde: Rotenes EIS 58 2 July 1983 1 ♀ (ZMB).

*P. dubia* can occur in fairly high number of specimens. 37 specimens were collected in a Malaisetrapp in a garden in a suburb of Bergen. The Malaise trap at Mjølfjell was at app. 700 m a s l.

*P. dubia* is common and widespread in Norway (Rozkošný, 1984). Specimens have been caught from May until August, mostly in deciduous woods. At Tofte in Hurum *P. albocostata* was caught also.

#### *Phorbella griseola* (Fallén, 1820)

New records: VE 0923 Tjøme: Sandøy EIS 19 11 Aug. 1984 1 ♂ (ZMB). TEY 1005 Porsgrunn: Brevik, Dammane EIS 11 31 July 1983 1 ♂ (ZMB). NSY 2804 Bodø: Valnes, Sjøgand EIS 130 27 July 1987 3 ♂♂ 2 ♀♀ (ZMB).

*P. griseola* is reported as rather common and widespread in Fennoscandia and Denmark by Rozkošný (1984).

#### *Phorbella pallidiventris* (Fallén, 1820)

BØ 0728 Hurum: Tofte 17 July—8 Aug. 1985 EIS 28 Malaise trap 1 ♂ 1 ♀ (ZMB). HOY 1801 Bergen (Åsane): Eidsvåg, Vollane EIS 39 3 Aug. 1984 1 ♂ (ZMB). HOI 1935 Voss: Mjølfjell at Kårdal EIS 41 13 July 1985 1 ♀ (ZMB). SFY 2031 Jølster: Near Skei VLP 657280 EIS 59 4 July 1983 1 ♂ (ZMB). NSY 2804 Bodø: Valnesvann, Ørnli EIS 130 15 July 1984 2 ♂♂ (ZMB). NSI 2939 Beiarn: Moljord EIS 126 6 Aug. 1982 1 ♂ (ZMB).

Rozkošný (1984) assumed that *P. pallidiventris* was rather widespread in Norway, and the new records confirm this. Specimens have been caught in July and August. Localities varied from rich deciduous forests to birch forest at approximately 650 m a s l. The male from Vollane was taken from a net of the spider *Araneus umbraticus*.

#### *Phorbella rozkosnyi* Verbeke, 1967

HOY 1801 Bergen (Åsane): Vollane EIS 39 31 July—16 Aug. 1986 1 ♂ (ZMB).

The male was caught in Malaise trap in a garden. Probably a rare species, but earlier recorded twice from Hordaland province (Greve & Rozkošný, 1981).

#### *Phorbella schoenherri* (Fallén, 1826)

New records: AK 0214 Ås: Årungen søndre EIS 28 17 July 1970 1 ♂ (ZMB); 0230 Lørenskog: Kirkeruddalen EIS 29 6 March 1988 1 ♀ (ZMO). HEN 0429 Åmot: Renå N 17 July 1987 1 ♀ (ZMB). BØ 0728 Hurum: Tofte EIS 28 13—18 May 1985 1 ♂, 8 Aug.—1 Sept. 1985 1 ♂ 3 ♀♀ (ZMB). VE 0916 Våle: Mulvika EIS 19 5 Sept. 1985 2 ♂♂ (ZMB); 0923 Tjøme: Mostrand, sandtaket 8 July 1983 1 ♀ (ZMB); 0923 Tjøme: Torås EIS 19 6 July 1984 1 ♂ (ZMB). TEY 1005 Porsgrunn: Sandøy Ø EIS 11 10 JULY 1986 4 ♂♂ 2 ♀♀ (ZMB). NSY 2804 Bodø: Valnes, Sjøgand EIS 130 27 July 1987 1 ♀ (ZMB). TRY 3202 Tromsø: Lillemoen EIS 162 1 Sept. 1987 1 ♀ (ZMB).

A widespread and common species easily recognized on the characteristic wing pattern. Specimens were collected from May until September. Rozkošný (1984) refers to very early collecting dates which indicate overwintering in the adult stage, and one record 6 March confirms this view.

*Antichaeta atriseta* (Loew, 1849)

New records: TEI 1129 Kviteseid: Kviteseid EIS 17 Light trap 24—29 July 1988 1 ♂ (ZMB).

*A. atriseta* is new to the fauna of Norway, and as for *A. brevipennis* (see below) this is the first time the genus is recorded from Norway. The light trap was placed near a small stream in a mixed forest. Rozkošný (1984) considers *A. atriseta* a rare European species like some of the other species belonging to the genus *Antichaeta*.

*Antichaeta brevipennis* (Zetterstedt, 1846)

New records: BØ 0728 Hurum: Tofte EIS 28 Malaise trap 17 June—17 July 1985 3 ♂♂ 1 ♀, 17 July—8 August 1985 1 ♀ (ZMB).

*A. brevipennis* is new to the fauna of Norway. Together with *A. atriseta* (see above) this is the first time the genus is recorded from Norway. The Malaisetrapp at Tofte was run from 13 May to 1 Sept. 1985. It was emptied 6 times, but *A. brevipennis* was only collected between 17 June and 8 August. The species is distributed in southern Fennoscandia (Rozkošný, 1984). Tofte in Hurum is a rich deciduous forest.

*Dichetophora finlandica* Verbeke, 1964

New record: OS 0542 Nord-Aurdal: Strond 8 Aug. 1984 1 ♂ (ZMB).

A rare species in Norway. In addition to the locality mentioned by Rozkošný (1984) from Akershus (cf. Knutson & Berg, 1971), another locality from SFI is included by Rozkošný in his provincial lists. This male was netted in Vassbygda, Aurland community.

Thus, the species seems widely scattered, and apparently rare in Norway.

*Ectinocera borealis* Zetterstedt, 1838

New records: HOI 1935 Voss: Mjølfjell 32VLN 864317 EIS41 Malaise trap 8 June—13 July 1985 670 m a s l 4 ♂♂ 7 ♀♀ (ZMB). SFY 20 Naustdal: Naustdal EIS 58 28 May—3 July 1986 Malaise trap 1 ♂ (ZMB). NSY 2804 Bodø: Valnes, Sjøgand EIS 130 6 July

1981 1 ♂ (ZMB). TRI 3324 Målselv: Dividal EIS 154 Malaise trap 18—19 July 1987 1 ♂ (ZMB).

*E. borealis* has hitherto been recorded only from NTI and STI in Norway (Greve & Rozkošný, 1981). The new records are widely scattered in the country. The Malaise trap at Mjølfjell was situated in open terrain with some birch, pine and juniper. The trap was run from June to early October. It was emptied five times, but specimens were only found in the first period.

*Elgiva cucularia* (L. 1767)

New records: Ø 0111 Hvaler: Arekilen EIS 12 17 May 1986 2 ♀♀ (ZMO); 18 July 1987 2 ♂♂ 1 ♀ (ZMB). AK 0201 Oslo: Østensjøvann 6 July 1983 1 ♀ (ZMB); 0213 Ski: Midsjøvann 6 July 1983 1 ♀ (ZMB); 0214 Ås: Årungen EIS 28 6 May 1983 1 ♂ (ZMB); 0219 Bærum: Ostøya EIS 28 Malaise trap 28 April—12 May 1 ♀, 12 May—30 May 2 ♀♀, 30 May—10 June 1 ♂, 10 June—1 July 1 ♂, 1—24 July 1 ♀, all 1984 (ZMB); 0219 Bærum: Tjernsrudmyra EIS 28 28 June 1986 1 ♂ (ZMB). HEN 0429 Åmot: Rena N EIS 55 1 July 1987 6 ♂♂ 1 ♀ (ZMB). VE 0923 Tjøme: Kynna 17 July 1983 2 ♂♂ 2 ♀♀ (ZMB). TEY 1006 Skien: Limitjern 15 June 1986 1 ♀ (ZMO).

*E. cucularia* has earlier been recorded from a few localities in AK and VE. Apparently it is common in South Eastern Norway. According to Rozkošný (1984) it is common in Denmark and the southern parts of Sweden. The Malaise trap at Ostøya collected specimens most of the summer. Sampling terminated in September. A description of this locality was given by Greve & Midtgaard (1986).

*Ilione albiseta* (Scopoli, 1763)

New records: VE 0923 Tjøme: Sønstegård, Hvasser EIS 19 9 July 1984 3 ♂♂ 1 ♀ (ZMB). HOY 1843 Os: Ulvenvann EIS 30 13 June 1982 2 ♀♀ (ZMB).

*I. albiseta* has been reported from the provinces Ø, Ak and R. In the other Scandinavian countries it is the most common and widespread species of the genus (Rozkošný, 1984), although the distribution is restricted to the southern parts of Finland, and to Umeå in Sweden.

*Ilione lineata* (Fallén, 1820)

New records: Ø 0111 Hvaler: Kirkøy, Arekilen EIS 12 18 July 1987 1 ♂ 2 ♀♀ (ZMB). VE

0916 Våle: Mulvika EIS 19 8 July 1983 1 ♂ (ZMB); 0923 Tjøme: Hvasser, Sønstegård EIS 19 9 July 1984 3 ♂♂ 7 ♀♀ (ZMB); 0923 Tjøme: Kynna 17 July 1983 9 ♂♂ 5 ♀♀ (ZMB); 0923 Tjøme: Moutmarka EIS 19 20 July 1983 3 ♂♂ 4 ♀♀ (ZMB).

*I. lineata* was recorded for the first time in Norway from Moutmarka in Vestfold province (Rozkošný & Greve, 1984). In addition to the new records mentioned here, specimens have been collected twice from the Moutmarka locality. The distribution known hitherto in Norway seems restricted to the South Eastern part. In Sweden and Finland *I. lineata* is also recorded from the northern parts.

#### *Pherbina coryleti* (Scopoli, 1763)

New records: AK 0201 Oslo: Østensjøvann EIS 28 2 July 1986 3 ♂♂ 1 ♀ (ZMO). VE 0916 Våle: Mulvika EIS 19 5 Sept. 1985 16 ♂♂ 6 ♀♀ (ZMB); 0923 Tjøme: Kynna EIS 19 17 July 1983 1 ♀ (ZMB); 0923 Tjøme: Mostranda EIS 19 22 July 1982 9 ♂♂ 8 ♀♀, 24 July 1982 4 ♂♂ 4 ♀♀, 20 July 1983 8 ♂♂ 7 ♀♀, 26 July 1984 1 ♂ 1 ♀ (ZMB); Moutmarka EIS 19 8 July 1983 4 ♂♂ 2 ♀♀ (ZMB). TEY 1005 Porsgrunn: Sandøy EIS 11 10 July 1986 4 ♂♂ 1 ♀ (ZMB). HOY 1843 Os: Mobergviki EIS 30 27 June 1982 2 ♂♂ (ZMB); 1847 Askøy: Marikovane EIS 39 27 June 1982 2 ♂♂ 1 ♀, Siglingevann 22 June 1982 2 ♂♂ 1 ♀ (ZMB); 1853 Osterøy: Fitjahellen EIS 39 25 June 1982 1 ♀, Kupefossen 26 June 1982 1 ♀ (ZMB).

*P. coryleti* has been recorded from three provinces in Norway viz. AK, VE and RY & RI. According to Rozkošný (1984) it is common in Denmark and in the southern and central parts of Sweden and Finland. Apparently, it is common in the southern parts of Norway. Specimens have been caught from late June until September. The localities are coastal marshy areas near lakes, — see also Rozkošný (1984).

#### *Renocera pallida* (Fallén, 1820)

New records: AK 0219 Bærum: Ostøya EIS 28 Malaise trap 12—30 May 1984 1 ♂ 1 ♀, 30 May—10 June 1984 1 ♂ 1 ♀ (ZMB); 0230 Lørenskog: Hammer EIS 29 9 June 1988 1 ♂ (ZMO). BØ 0728 Hurum: Tofte EIS 28 Malaise trap 2 June—18 Aug. 1985 1 ♂ (ZMB). BV 0832 Rollag: Rollag EIS 35 18 July 1984 1 ♂ (ZMB); HOY 1801 Bergen (Fana): Grimseidvann EIS 30 8 June 1983 1 ♂ (ZMB);

1801 Bergen (Arna) : N. Kråtjern EIS 40 VLN 153035 14 June 1985 1 ♂ 1 ♀ (ZMB). NTI 2743 Høylandet: Tverråa Malaise trap 18—25 June 1986 1 ♂ (The Museum, Trondheim).

Rozkošný (1984) reported only one record from Norway. The number of new records suggests that *R. pallida* might be common in Norway as it is in Sweden and Finland. Specimens have been caught from late May until August.

#### *Renocera striata* (Meigen, 1830)

New records: HEN 0429 Åmot: Storemyr 18 July 1987 1 ♂ (ZMB). HOY 1853 Osterøy: Herlandsnesjane 21 June 1987 2 ♂♂ 1 ♀ (ZMB). NTI 2743 Høylandet; Tverråa, Malaise trap 30 July 1986 1 ♂ (The Museum, Trondheim). NSY 2804 Bodø: Falkflaugvann EIS 130 23 July 1986 1 ♂ (ZMB).

*R. striata* has been recorded from a few places in northern Norway. These are the first records from Southern Norway. It is not common in Scandinavia (Rozkošný, 1984).

#### *Renocera strobilii* (Hendel, 1900)

New record: HEN 0429 Åmot: Rena N. EIS 55 17 July 1987 1 ♂ (ZMB).

Relatively rare, but widely recorded from the Nordic countries (Rozkošný, 1984).

#### *Sepedon spegea* (Fabricius, 1775)

New records: AK 0227 Fet: Hvalstjern EIS 29 5 June 1988 1 ♂ 1 ♀ (ZMO). HEN 0302 Kongsvinger: Kongsvinger 15 June 1983 1 ♂ (ZMB). HEN 0429 Åmot: Rena N EIS 55 17 July 1987 1 ♂ 1 ♀ (ZMB). VE 0923 Tjøme: Moutmarka S EIS 19 24 July 1982 1 ♂ (ZMB).

*S. spegea* is a rather common species in South Eastern Norway (Rozkošný, 1984), as well as in Denmark and parts of Fennoscandia.

#### *Sepedon spinipes* (Scopoli, 1763)

New records: Ø 0111 Hvaler: Tredalen EIS 12 17 May 1986 1 ♀ (ZMO); Arekilen 17 May 1986 1 ♂ (ZMO). AK 0201 Oslo: Østensjøvannet EIS 28 2 July 1986 1 ♀ (ZMO); 0213 Ski: Midtsjøvann 6 July 1983 1 ♂ 2 ♀♀ (ZMB). VE 0922 Nøtterøy: Strengdalsvann EIS 19 5 Sept. 1983 1 ♂ (ZMB); 0923 Tjøme: Kynna EIS 19 17 July 1983 9 ♂♂ 5 ♀♀ (ZMB). TEY 1006 Skien: Limitjern EIS 18 15 June 1986 4 ♀♀ (ZMO).

*S. spinipes* has been recorded from a few

localities in AK and VE, and apparently it is fairly common in South Eastern Norway.

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