

Additions and deletions to Syrphidae (Diptera) of Finland

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Eight species of Syrphidae are reported as new to Finland, and new provincial records are given for four species. Eight species earlier reported are deleted from the fauna of Finland, and the nomenclature of two species is corrected.

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Species new to Finland

Paragus majoranae Rondani. Several specimens from the provinces *Al, Ab, N, Ka, Ta* (see *P. albifrons* below). Known from Scandinavia, widely distributed in Europe (see Peck 1988, Bartsch 1995).

Epistrophe similis Doczkal & Schmid (= *E. melanostomoides* auctt. nec Strobl pro parte) (Doczkal & Schmid 1994). Material in MZH from *Ta* (Doczkal pers. comm.).

Epistrophe flava Doczkal & Schmid (= *E. ochrostoma* auctt. nec Zetterstedt pro parte) (Doczkal & Schmid 1994). Material of *E. flava* and *E. ochrostoma* in MZH (Doczkal pers. comm.)

Papers of Goeldlin (1974, 1989, 1991) and Claussen (1984) revising species have presented altogether seven new species in the genus *Sphaerophoria* with a West-Palaeartic distribution. Three *Sphaerophoria* species are now reported as new to Finland, and five species have been reported earlier (Goeldlin 1989, Decler 1989, Hedström 1991, Torp 1994, Haarto 1995). In Hackman's *Enumeratio Dipteriorum Fenniae* (1980) six *Sphaerophoria* species were listed, and by now the number of species has grown to fourteen.

Sphaerophoria batava Goeldlin, 1974. *Li*: Lemmenjoki, Hellén, 1♂. Earlier known from France, The Netherlands, Great Britain, Germany, Denmark, Norway and Sweden.

Sphaerophoria boreoalpina Goeldlin, 1989. *Li*: Lemmenjoki, Hellén, 2♂♂. Earlier known from Switzerland, Norway and Sweden.

Sphaerophoria laurae Goeldlin, 1989. *Le*: Saana, Nordman, 1♂; *Ta*: Padasjoki, Torittu (681:39), 23.7.1968, Matti Ahola, 1♀. Earlier known from Switzerland, Spain, Norway and Sweden.

Cheilosia rufimana (Becker). Material determined by Claus Claussen, from *Ta*: Urjala, V–VI, 1964, T. Brander. Earlier known from Poland, Germany, Belgium, Czechoslovakia, Romania, Bulgaria, Sweden and Denmark.

Chamaesyrrhus caledonicus Collin. *N*: Tvärminne, H. Lindberg, 1♀, 2♀♀; *Ob*: Karlö, Nylander, 1♀. Earlier known from Norway, Sweden, Great Britain, The Netherlands and Russia.

New provincial records

Sphaerophoria abbreviata Zetterstedt. The concept of this species has varied greatly among authors (see *S. fatarum* below). Goeldlin (1989) redescribed the species, and reported 2♀♀ he collected from *Lkem*: Muonio, Kihlanki, 8.7.1979. New record *Ks*: Salla, R. Frey, 1♂. Elsewhere known from Sweden and Norway.

Sphaerophoria fatarum Goeldlin, 1989. This species has been confused with *S. abbreviata* Zetterstedt (Goeldlin 1989) by van der Goot (1981), Hippa et al. (1981), Stubbs & Falk (1983). Earlier reported from *Ta*: Somero & Forssa (Hedström 1991) and from *Ob*: Rovaniemi (Haarto 1995). New records from *Le*: Saana, Nordman, 1♂; Muonio, Hellén, 1♀ and *Li*: Utsjoki, Onnela, 18.6.1937, Nordman, 1♂. Elsewhere known from Switzerland, Belgium, The Netherlands, Denmark, Sweden, Norway, Finland and Ireland.

Sphaerophoria virgata Goeldlin, 1974. Earlier reported by Torp (1994), and from *ObN*: Rovaniemi, O. Osmonen by Haarto (1995). New record from *Ks*: Kuusamo, R. Frey, 1♂. Elsewhere known from Switzerland, Czechoslovakia, Germany, Denmark, Great Britain, Sweden and Norway.

Sphaerophoria bankowskiae Goeldlin, 1989. Earlier reported from *Ab*: Mietoinen (Haarto 1995). New record from *Lkem*: Pallastunturit, 26.7.1951, Kaisila, 1♀. Elsewhere known from Switzerland, Italy, Germany, Denmark and Sweden.

Deletions from the Finnish fauna

Paragus albifrons Fallén. All specimens in MZH (= Zoological Museum, University of Helsinki) determined as *P. albifrons* turned out to be misidentifications (= *P. majoranae*).

Epistrophe euchroma (Kowarz). All specimens in MZH determined as *E. euchroma* proved to be misidentifications (= other *Epistrophe*).

Epistrophe melanostomoides (Strobl) (= *E. melanostoma* (Zetterstedt) (Doczkal & Schmid 1994).

Mallota cimbiciformis (Fallén). Not in Hackman (1980), incorrectly recorded from Finland in Peck (1988).

Brachyopa bicolor (Fallén). All specimens in MZH determined as *B. bicolor* proved to be misidentifications of *B. pilosa* Collin.

Brachyopa panzeri Goffe. Not in Hackman (1980), incorrectly recorded from Finland in Peck (1988).

Arctophila superbiens (Müller). One specimen from *Ik*: Sakkola (currently Russia).

Microdon devius (Linnaeus). All correctly identified specimens are from Sortavala (currently Russian Karelia).

Nomenclatural changes

A recent revision of the tribus Chrysogasterini has revalidated the genus *Melanogaster* Rondani (Maibach et al. 1994), comprising ten Palaearctic species. One species of this genus, earlier reported as *Chrysogaster maquarti*, occurs in Finland.

Melanogaster aërosa (Loew) (= *Chrysogaster maquarti* auct. pro parte) (Maibach et al. 1994). Material in MZH from provinces *Al*, *Ab*, *N*, and *Ob*.

Brachyopa testacea (Fallén) (= *B. conica* auct. nec Panzer pro parte) (Thompson 1980). Through-out Finland from *Ab* to *Le*.

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