



## Checklist of Finnish Hoverflies (Diptera, Syrphidae)

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The present list includes 330 hoverfly species recorded in Finland by the end of August 2004. Of the total, 38 hoverfly species are reported as new to Finland. In addition, 44 earlier reports of new species to the fauna absent from the previous list (Hackman 1980) are annotated briefly. Finally, 21 species have been omitted or their identities have been changed due to previous misidentifications or revisions.

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### Introduction

Evert Julius Bonsdorff (1810-1898) was the first Finnish entomologist who focused his interest especially on Diptera. Based on his own collection and older material, he published the first wide-ranging checklist of Finnish flies in 1861. In this publication, he also reported 209 hoverfly species. However, Bonsdorff did not continue to study Finnish Diptera fauna after 1860 and, consequently, the domain came to a standstill for decades.

Richard Frey (1886-1965) was the leading figure when a new rise of Finnish Diptera study started at the beginning of the 20<sup>th</sup> century. As his studies consisted of most of the Diptera families, hoverflies represented only one part of them. In 1941, Frey published the first checklist of all the Finnish two winged species, in which 264 hoverfly species were reported.

Wolter Hellén (1890-1979) started his entomological career almost at the same time as Frey did. As regards hoverflies, Hellén focused his research on the genus *Cheilosia* and published an account of all the Finnish species of this family in 1941. Following this issue, he published several further studies of this genus.

Erkki Kanervo (1907-1994) concentrated on hoverflies strongly. In the 1930's, he published many reports on Finnish hoverflies, for example, the taxonomy of the genus *Eristalis*.

Walter Hackman (1916-2001) became the leading researcher of Finnish Dipterology after Frey. First he studied Lepidoptera and Araneae mainly but later continued to examine Diptera, too. In 1980, he published a new checklist of Finnish Diptera. Now the number of hoverflies was 270 as some former species had been synonymised and many new records had been observed in Finland during the past decades.

Heikki Hippa has also examined Finnish hoverflies, but his studies have mainly included the taxonomies of many hoverfly genera found worldwide such as the genus *Syrphus* and allied genera, *Xylota* and allied genera. His latest publication was The West Palaearctic species of the genus *Eristalis* (Hippa *et al.* 2001). Since 1990 his main interest has, however, been *Sciaridae*.

Since 1999 Gunilla Ståhls-Mäkelä has done research on hoverfly phylogeny by using molecular data (DNA sequences), which is a useful technique in solving many taxonomic problems nowadays.

During the decades, a lot of hoverfly material has been collected by numerous people and, fortunately, most of this material has been deposited in the Finnish Natural History Museums. Some well-known entomologists include Lars Fagerström (1914-2001), Veikko Kanervo (1906-1980), Rolf Krogerus (1882-1965), Carl Lundström (1844-1914), Adolf Nordman (1900-1976), Onni Sorsakoski (1867-1936), Ragnar Storå (1906-1977), Paavo Suomalainen (1907-1976), Erik Thuneberg (1897-1981), Lauri Tiensuu (1906-1980) and Risto Tuomikoski (1911-1989).

After many stagnant decades, the study of Finnish Diptera has been accelerated by a new generation of professional dipterologists and highly skilled amateurs. The Finnish Expert Group for Diptera was founded in 2002 to study, control and chart the biogeographical distribution and endangered species of Finnish Diptera (*Brachycera* & *Cyclorrhapha*) (see homepage [www.tam.pp.fi/diptera/](http://www.tam.pp.fi/diptera/)). On the Internet there is also the homepage 'Syrphidae of Finland' [www.tam.pp.fi/syrph/](http://www.tam.pp.fi/syrph/). This site provides information on species, new faunistic records, bibliographies, preparation techniques, links etc. Online Draft Catalogue of Finnish Flies can be found at <http://www.astro.helsinki.fi/~kahanpaa/diptera/list/online/>

Since the publication of Hackman's list in 1980, many new species have been described in Europe, a lot of old species have been synonymised and our knowledge of Finnish hoverflies has increased considerably. Due to these reasons, it is vital to publish this new updated checklist. The list also functions as a base for future research of this fascinating insect family.

#### Taxa new to Finland after Hackman's list in 1980

As noted above, 38 hoverfly species new to the Finnish fauna are reported in the present list. The determinations of these specimens have been conducted by the authors and in few cases as indicated also by foreign specialists. The list also in-

cludes a summary of 44 earlier reports of new species to the fauna absent from Hackman's list. Many of the presented new species in Finland have been based on about 10000 specimens collected during the past decade by A. Haarto, T. Järveläinen, J. Kahanpää, S. Kerppola and T. Piirainen. The presented changes in the checklist

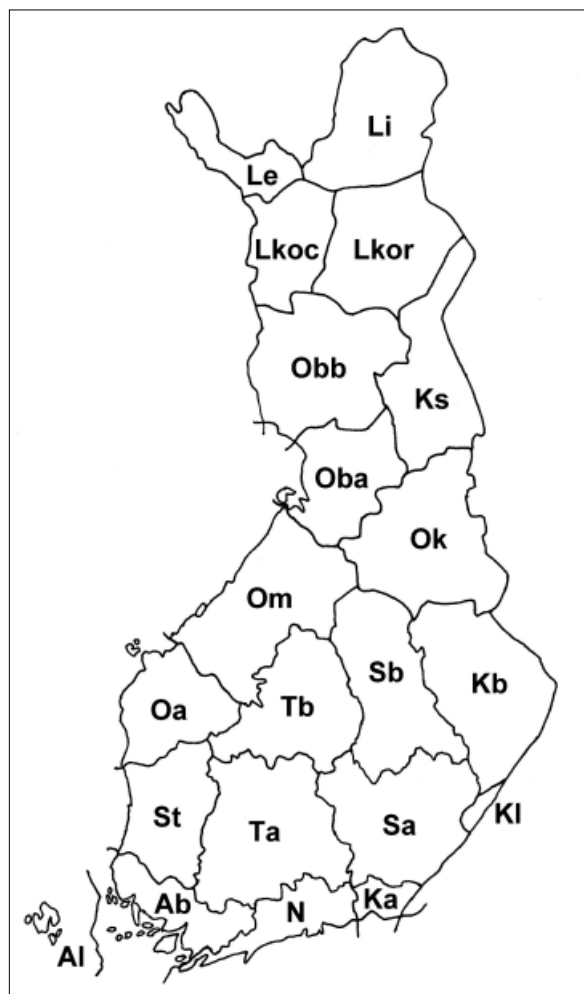


Figure 1. The Finnish biogeographical provinces and their codes. Al = Alandia, Ab = Regio aboensis, N = Nylandia, Ka = Karelia australis, St = Satakunda, Ta = Tavastia australis, Sa = Savonia australis, Kl = Karelia ladogensis, Oa = Ostrobottnia australis, Tb = Tavastia borealis, Sb = Savonia borealis, Kb = Karelia borealis, Om = Ostrobottnia media, Ok = Ostrobottnia kajanensis, Oba = Ostrobottnia borealis pars australis, Obb = Ostrobottnia borealis pars borealis, Ks = Regio kuusamoensis, Lkoc = Lapponia kemensis pars occidentalis, Lkor = Lapponia kemensis pars orientalis, Le = Lapponia enontekiensis, Li = Lapponia inarensis.

have mainly been based on extensively redetermined collections of the Zoological Museum in Helsinki (hereafter the MZH) and the Zoological Museum in Turku (hereafter the MZT).

The data of the first records are noted in the beginning. Following this, the biogeographical province records of later findings in the wild or in the collections of the museums are presented. The Finnish biogeographical provinces are shown in Figure 1.

## Syrphinae

### Melanostomini

*Platycheirus amplus* Curran, 1927. First reported in *Ab*: Nousiainen (Haarto 1997). *Al, Ab, Ta, Sa, Oa, Ok, Oba, Om, Kb, Ks, Lkoc, Li*.

*Platycheirus europaeus* Goeldlin, Maibach & Speight, 1990. First reported in *Le*: Kilpisjärvi (Haarto 2002a). *Ab, N, Ta, Sa, Oa, Sb, Kb, Ok, Ks, Lkoc, Le, Li*.

*Platycheirus holarcticus* Vockeroth, 1990. First reported by Vockeroth (1990), later by Steenis and Goeldlin (1998). *Ta, Obb, Ks, Lkoc, Lkor, Li*.

*Platycheirus kittilaensis* Dušek & Láska, 1982. First reported by Dušek & Láska (1982). *Lkoc, Le, Li*.

*Platycheirus laskai* Nielsen, 1999. Five male specimens have been found among *Platycheirus albimanus* (Fabricius, 1781) in the collection of the MZH. *Ab, N, Oa, Ok, Sa*.

*Platycheirus lundbecki* (Collin, 1931). A male and three females in *Le*: Kilpisjärvi, Saana, Hellén leg. have been found in the collection of the MZH.

*Platycheirus nielseni* Vockeroth, 1990. First reported in *Ab*: Korppoo, *Ta*: Somero, *Ta*: Janakkala, *Om*: Pietarsaari and *Li*: Utsjoki (Haarto 1997). *Al, Ab, N, Ta, Sa, Om, Obb, Ks, Lkoc, Lkor, Li*.

*Platycheirus nigrofemoratus* Kanervo, 1934. First reported in *Le*: Enontekiö (Haarto 2000a, Haarto 2002a). *Le, Li*.

*Platycheirus occultus* Goeldlin, Maibach & Speight, 1990. First reported in *Ab*: Dragsfjärd (Haarto 1997). *Al, Ab, N, Ta, Sa, Oa, Ks*.

*Platycheirus parmatus* Rondani, 1857. Three females in *Lkor*: Savukoski, Kuosku, 28.6.2003, A. Haarto leg. were the first determined specimens in Finland. After that one female has been found in the collection of the MZH. This specimen was collected in *Ks*: Kuusamo, Oulanka (736:60-61), 1.-2.7.1998, G. Ståhls leg.

*Platycheirus perpallidus* Verrall, 1901. Four males have been found among other *Platycheirus* specimens in the collection of the MZH. *N, Oba, Le, Lkoc, Li*.

*Platycheirus ramsarensis* Goeldlin, Maibach & Speight, 1990. Two males were collected in *Le*: Enontekiö in 2001 (Haarto 2002a, Haarto 2002b). Six more specimens of *P. ramsarensis* have been found among other *Platycheirus* species in the collections of the MZH and MZT. *Ab, Ta, Obb, Ks, Li, Le*.

*Platycheirus splendidus* Rotheray, 1998. One female has been found in the collection of the MZH. It was among *P. scutatus* specimens and labelled as Finström, R. Frey. *Al*.

*Platycheirus subordinatus* Becker, 1915. One male and one female were collected in *Le*: Enontekiö in 2001 (Haarto 2002a, Haarto 2002b).

*Platycheirus tarsalis* (Schummel, 1836). One female in *Al*: Eckerö, Storby (670:08), 7.6.2000, E. & L. Laasonen leg. was the first determined specimen in Finland. After that three females have been found in the collection of the MZH. The specimens were collected in *Ks*: Kuusamo, Oulanka (736:60-61), 1.-2.7.1998, G. Ståhls leg.

*Platycheirus varipes* Curran, 1923. A male in *Lkoc*: Muonio, Palmén leg. has been found among *Platycheirus albimanus* (Fabricius, 1781) specimens in the collection of the MZH. The latest record was of one male in *Li*: Utsjoki Nuvvus (7747:472), 30.6.2003, E. & L. Laasonen leg.

**Paragini**

*Paragus majoranae* Rondani, 1857. Several specimens have been determined as *Paragus albifrons* (Fallén, 1817) erroneously earlier (Ståhls 1995). *Al, Ab, N, Ka, Ta, Kl, Om*.

**Chrysotoxini**

*Chrysotoxum octomaculatum* Curtis, 1837. All four specimens of *Chrysotoxum elegans* Loew, 1841 have been determined erroneously earlier. All of them belong to *C. octomaculatum* (H. Bartsch det.) and are deposited in the collection of the MZH. *Ab, Kl*.

**Syrphini**

*Dasysyrphus friuliensis* van der Goot, 1960. In the collection of the MZH all but one specimen of *Dasysyrphus postclaviger* Stys & Moucha, 1962 have been determined as other species of *Dasysyrphus* erroneously earlier. Most of these specimens belong to the species *D. friuliensis*. *N, Ks, Lkoc, Li*.

*Dasysyrphus hilaris* (Zetterstedt, 1843). First reported in *Al*: Eckerö (Bartsch 2000). *Al, Ab, N, St, Ta, Sa, Kl, Oa, Sb, Kb, Om, Ok, Ks, Li*.

*Epistrophe annulitarsis* Stackelberg, 1918. First reported in *Tb*: Pihtipudas (Pirainen 2001). *Ta, Tb, Sa*.

*Epistrophe cryptica* Doczkal & Schmid, 1994. First reported in *Ab*: Nousiainen (Haarto 1997). *Ab, N, Tb*.

*Epistrophe diaphana* (Zetterstedt, 1843). One female found in *N*: Helsinki, Viikki (6680:389), 14.7.2004, T. Järveläinen leg. is the first and so far the only determined specimen in Finland.

*Epistrophe eligans* (Harris, 1780). First reported in *Al*: Eckerö and *Al*: Jomala (Bartsch 2000). *Al, Ab, N*.

*Epistrophe flava* Doczkal & Schmid, 1994. First reported in the collection of the MZH (Ståhls 1995). *Ab, N, Ta*.

*Epistrophe obscuripes* (Strobl, 1910) First reported under the name *Epistrophe similis*

Doczkal & Schmid in province *Ta* in the collection of the MZH (Ståhls 1995). *Ab, N, Ka, Ta, Tb, Oa, Lkor, Ks*.

*Epistrophella euchroma* (Kowarz, 1885) had been deleted erroneously from the Finnish fauna earlier (Ståhls 1995) but has now been added back to it (Haarto 1997). *Ab, N, Ta, Sa, Oba, Ks, Lkoc*.

*Eupeodes abiskoensis* (Dušek & Láska, 1973). First reported in *Le*: Enontekiö (Haarto 1995). After that two specimens originating from *Li*: Utsjoki have been found in the collections of the museums.

*Eupeodes borealis* (Dušek & Láska, 1973) First reported in *Li*: Utsjoki (Haarto 1997).

*Eupeodes bucculatus* (Rondani, 1857). First reported under the name *Eupeodes latilunulatus* (Collin, 1931) in *Sa*: Savonlinna (Haarto 1997). *Ab, N, Ka, Ta, Sa, Om, Ks, Li*.

*Eupeodes curtus* (Hine, 1922). One male and one female found in *Li*: Inari, Vastusjärvi (76627:5036), 10.7.2002, J. Kahanpää leg. are the first and so far the only determined specimens in Finland.

*Leucozona inopinata* Doczkal, 2000. First reported in *N*: Helsinki, Herttoniemi (6679:390), one female, 18.7.1999, S. Kerppola leg. (D. Doczkal det.). *Ab, N, Ka, St, Ta, Sa, Sb, Kl, Oa, Om*.

*Melangyna lucifera* Nielsen, 1980. First reported in *Ta*: Urjala (Hedström 1990). *Ab, N, Ta, Ok, Ks*.

*Parasyrphus groenlandicus* (Nielsen, 1910). First reported in *Le*: Enontekiö (Haarto 2002a, Haarto 2002b). *Le, Li*.

*Parasyrphus proximus* Mutin, 1990. One female found in *N*: Helsinki, Herttoniemi (6679:390), 2003, S. Kerppola leg. (V. Mutin det.) was the first determined specimen in Finland.

*Parasyrphus punctulatus* (Verrall, 1873). First reported in *N*: Helsinki, Herttoniemi (6679:390), 21.5.2002, S. Kerppola leg. *Al, Ab, N, Ta, Ka*.

*Sphaerophoria abbreviata* Zetterstedt, 1859.

First reported in *Lkoc*: Kihlanki (Goeldlin 1989). *Ab, Ta, Ok, Ks, Lkoc, Lkor, Li*.

*Sphaerophoria bankowskiae* Goeldlin, 1989.

First reported in *Ab*: Mietoinen (Haarto 1995) and *Lkoc*: Muonio, Pallastunturit (Ståhls 1995).

*Al, Ab, N, Ta, Sa, Sb, Oa, Om, Ks, Lkoc, Li*.

*Sphaerophoria batava* Goeldlin, 1974. First reported in *Li*: Lemmenjoki (Ståhls 1995).

*Al, Ab, N, St, Ta, Sa, Oa, Om, Ks, Lkor, Li*.

*Sphaerophoria boreoalpina* Goeldlin, 1989. First reported in *Li*: Lemmenjoki (Ståhls 1995).

*Lkoc, Li*.

*Sphaerophoria chongjini* Bankowska, 1964. First reported in *Li*: Ivalo (Decleer 1989). After that two specimens have been collected in *Obb*: Rovaniemi (Haarto 1996) and a male in *N*: Helsinki, Herttoniemi (6679:390), 13.7.2004, A. Haarto leg.

*Sphaerophoria fatarum* Goeldlin, 1989. First reported in *Ta*: Somero and *Ta*: Forssa (Hedström 1991).

*Ab, N, Ta, Obb, Ks, Le, Li*.

*Sphaerophoria lauriae* Goeldlin, 1989. First reported in *Ta*: Padasjoki and *Le*: Enontekiö, Saana (Ståhls 1995).

*Sphaerophoria virgata* Goeldlin, 1974. First reported in *Obb*: Rovaniemi (Haarto 1995).

*Al, Ab, N, Ta, Kl, Oa, Kb, Om, Ok, Obb, Ks, Lkoc, Lkor*.

*Syrphus admirandus* Goeldlin, 1996. First reported in *Ab*: Mietoinen, *Ta*: Kalvola and *N*: Pornainen (Haarto 1999).

*Ab, N, Ka, St, Ta, Sa, Sb, Om, Ok, Oba, Ks, Lkor, Le*.

*Syrphus rectus* Osten Sacken, 1875. One female found in *N*: Helsinki, Toukola, 13.-31.7.1999, E. Räsänen & Hölttä leg. is the first and so far the only determined specimen of this internationally rare and little-known species.

6.5.2000, A. Haarto leg. and a male in *Ab*: Suomusjärvi, Aneriojärvi (67015:3112), 28.5.2003, J. Kahanpää leg. have been collected in Finland (both specimens A. Vujic det.).

*Cheilosia impressa* Loew, 1840 was included in the earlier checklist of Finnish Diptera (Frey et al. 1941), but the species was missing from the latest checklist probably accidentally (Hackman 1980). The species has now been added back to the Finnish fauna.

*Ab, N, St, Ta, Sa, Sb, Tb*.

*Cheilosia ingerae* Nielsen & Claussen, 2001. Only one female specimen, a paratype, has been found in Finland. This paratype was collected in *Lkoc*: Kittilä. (Nielsen & Claussen 2001) is in the collection of the MZH.

*Cheilosia morio* (Zetterstedt, 1838) was included in the earlier checklist of Finnish Diptera (Frey et al. 1941), but the species was missing from the latest checklist probably accidentally (Hackman 1980). The species has now been added back to the Finnish fauna.

*Ab, N, Ta, Ok*.

*Cheilosia psilophthalma* Becker, 1894. Two specimens, a female found in *Ta*: Somero (6722:302), 6.5.2000, A. Haarto leg. and a female found in *Ab*: Mietoinen (6733:222), 29.4.2002, A. Haarto leg., were the first determined specimens in Finland.

*Ab, N, Ta*.

*Cheilosia rufimana* Becker, 1894. First reported in *Ta*: Urjala (Ståhls 1995).

*Ab, N, St, Ta, Sa, Om, Oba, Ks, Le*.

*Cheilosia sootryeni* Nielsen, 1970. First reported in *Ta*: Lempäälä (Haarto 2000b).

*Al, N, St, Ta, Tb, Sb, Om, Oba, Ks, Lkoc, Lkor, Le*.

*Cheilosia urbana* (Meigen, 1822) was under the name *Cheilosia ruralis* (Meigen, 1822) erroneously in the earlier checklists.

## Milesiinae

### Rhingiini

*Cheilosia alba* Vujic & Claussen, 2000. Two specimens, a female in *Ta*: Somero (6722:302),

### Chrysogastrini

*Brachyopa obscura* Thompson & Torp, 1982.

One male found in *N*: Vantaa, Keimola (668:38), 27.5.2003; one female found in *N*:

Helsinki, Herttoniemi (6679:390), 22.6.2004, S. Kerppola leg. and one male collected in *N*: Vantaa, Keimola (668:38), 4.7.2004, T. Järveläinen leg. These are the only determined specimens in Finland so far.

*Chrysogaster virescens* Loew, 1854. Two females found in *N*: Helsinki, Herttoniemi (6679:390), 15.7.2003 and 16.7.2003, S. Kerppola leg., are the first and so far the only determined specimens in Finland.

*Chrysosyrphus nasutus* (Zetterstedt, 1838). Several specimens of *C. nasutus* collected in Finland and Russia have been found among the specimens of *Chrysosyrphus niger* (Zetterstedt) in the collections of the MZH and MZT. *Ks, Lkoc, Lkor, Li, Le*.

*Chrysosyrphus niger* (Zetterstedt, 1843) was under the name *Myolepta nigra* (Loew, 1872) (Hackman 1982) erroneously in the earlier checklists. *Lkor, Le, Li*.

*Neoascia obliqua* Coe, 1940. Seven males and five females were collected in *N*: Inkoo, Fagervik (666:32), 6.-13.7.2002, S. Kerppola & T. Järveläinen leg. Additional specimens were collected in *Ab*: Kaarina, Raadelma (6708:249), 13.8.2002, A. Haarto & V.-M. Mukkala leg. These places have one of the largest populations of *Petasites hybridus* in Finland.

*Neoascia subchalybea* Curran, 1925. Reported under the name *Neoascia petsamoensis* (Kanervo, 1931) in *Lkoc*: Kolari as new to the Finnish fauna (Hackman 1982). *St, Ta, Ks, Lkoc*.

*Orthonevra plumbago* (Loew, 1840). Two specimens of *Orthonevra brevicornis* (Loew, 1843) in the collection of the MZH were misidentifications (see Omissions). They have been redetermined as *O. plumbago*. This rare eastern species has been recorded in *N*: Helsingfors, male, Nylander leg. and *Sb*: Kuopio, female, Lundström leg.

*Orthonevra stackelbergi* Thompson & Torp, 1982. One male in *Ab*: Korppoo (668:19),

12.7.1993, A. Haarto leg. was the first determined specimen in Finland. *Ab, N, St, Ta, Oba, Ks*.

*Sphegina montana* Becker, 1921 was under the name *Sphegina violovitshi* Stackelberg, 1956 erroneously in the earlier checklists. *N, Ta, Tb*.

### Eristalini

*Anasimyia contracta* Claussen & Torp, 1980. First reported in *Kb*: Liperi (Claussen & Torp 1980). *Ab, N, Ka, Ta, Kl, Kb*.

*Anasimyia interpuncta* (Harris, 1776). First reported in *Al*: (Bartsch 2000) but collected in many biogeographical provinces *Al, Ab, N, St, Ta, Kl, Ok, Oba* earlier.

*Eristalinus aeneus* (Scopoli, 1763). First reported in *Ab*: Korppoo, Jurmo (Haarto 1999). *Ab, Sa*.

*Eristalis alpina* (Panzer, 1798). This species was included in the earlier checklist of Finnish Diptera (Frey *et. al.* 1941), but the species was missing from the latest checklist (Hackman 1980) probably accidentally. There are several new records of this presumably migrating species. *Ab, N, Ta, Sa, Kb, Om*.

*Eristalis gomojunovae* Violovitsh, 1977. This species was under the name *Eristalis fratercula* (Zetterstedt, 1838) erroneously in the earlier checklists whereas the right *E. fratercula* was under the name *Eristalis vallei* Kanervo, 1934 (Nielsen 1995, Hippa *et. al.* 2001) (see Omissions). There is one new record of *E. gomojunovae* in *Le*: Enontekiö (Haarto 2002a). *Lkoc, Le, Li*.

*Helophilus bottnicus* Wahlberg, 1844. One female labelled as *Ok*: Ruhtinansalmi, O. Sorsakoski has been found in the collection of the MZT.

### Pelecocerini

*Chamaesyrrhus caledonicus* Collin, 1940. First reported in *N*: Tvärminne and *Oba*: Karlö (Ståhls 1995). *N, Ta, Om, Oba, Lkoc*.

**Pipizini**

*Pipiza festiva* Meigen, 1822. One female found in *N*: Helsinki, Toukolanranta (6679:390), 2.8.2003, S. Kerppola leg. This specimen is the first and so far the only determined specimen in Finland.

*Pipizella certa* Violovitsh, 1981. All specimens were determined as *Pipizella brevis* Lucas, 1976 (see Omissions) erroneously earlier. *N*, *Ka*, *Ta*.

*Pipizella viduata* (Linnaeus, 1758). This species was under the name *Pipizella virens* (Fabricius, 1805) (see Omissions) erroneously in the earlier checklists. First reported in Finland (Hippa *et al.* 1981, Haarto 1995). *Al*, *Ab*, *N*, *Ta*, *Sa*, *Sb*, *Kb*, *Om*, *Ok*, *Oba*, *Obb*, *Li*.

*Trichopsomyia joratensis* Goeldlin, 1997. One male found in *Ta*: Längelmäki, Sinivuori, 18.6.2000 (6832:379), K. Mattila leg. is the first and so far the only determined specimen in Finland.

*Triglyphus primus* Loew, 1840. First reported in *N*: Helsinki, Toukolanpuisto (6679:390), 18.7.-3.8.2002, 16 males and eight females, S. Kerppola leg. After that one female was collected in *Ab*: Turku, Ilpoinen (6711:240), 2.8.2004, A. Haarto leg.

**Sericomyiini**

*Sericomyia jakutica* (Stackelberg, 1927). Two males were found among *Sericomyia arctica* Schirmer, 1993, in the collection of the MZH, 1913. *Li*: Utsjoki, R. Frey leg. and *Li*: Nuorgam, Hellen leg.

**Xylotini**

*Temnostoma angustistriatum* Krivosheina, 2002. This species was under the name *Temnostoma bombylans* (Fabricius, 1805) erroneously in the earlier checklists. *N*, *Ka*, *Kl*, *Ta*, *Tb*, *St*, *Sb*.

*Temnostoma carens* Gaunitz 1936. This species was considered a variation of *Temnostoma apiforme* (Fabricius, 1794) earlier but the validity of the species has now been proved

(Krivosheina 2003). There is one female in the collection of the MZH. *Ok*: Suomussalmi, Ruhtinansalmi, O. Sorsakoski leg. (N. P. Krivosheina det.).

*Temnostoma sericomylaeforme* (Portschinsky, 1886). ) This species was considered a variation of *Temnostoma vespiforme* (Linnaeus, 1758) earlier but the validity of species has now been proved. (Krivosheina 2004). In the collection of the MZH there is one female. *N*: Esbo, Pipping leg. (N. P. Krivosheina det.) and in the collection of the MZT there are two females and one male. *Ok*: Suomussalmi, Ruhtinansalmi, O. Sorsakoski leg. The most recent observation is of one male collected in *N*: Helsinki, Herttoniemi (6679:390), 1.7.2004, P. Nissinen leg.

*Xylota jakutorum* Bagatshanova, 1980. First reported in *Ab*: Korppoo (Haarto 2002b). This common species has been confused with a rare species *Xylota caeruleiventris* Zetterstedt, 1838. Almost all specimens determined as *X. caeruleiventris* have been proved to be misidentifications of *X. jakutorum*. *X. jakutorum* has been recorded in *Al*, *Ab*, *N*, *Ka*, *St*, *Ta*, *Sa*, *Kl*, *Oa*, *Tb*, *Sb*, *Ok*, *Oba*, *Ks*, *Lkoc*, *Lkor*. *Xylota caeruleiventris* has been recorded in *N*, *Ka*, *St*, *Sa*, *Ok*.

**Microdontinae****Microdontini**

*Microdon miki* Doczkal & Schmid, 1999. This species was under the name *Microdon latifrons* Loew, 1856 erroneously in the earlier checklists. *Al*, *Ab*, *N*, *Ka*, *Kb*, *St*, *Ta*, *Tb*, *Ks*, *Sa*.

**Species based on the literature**

No voucher specimens have been found but the determinations of the following three species are likely to be reliable and therefore they are included in the checklist. Due to their unknown location the specimens have not been checked by the authors.

*Parasyrphus relictus* (Zetterstedt, 1838). Determination has been based on the figures of genitalia drawn of a specimen collected in *Ab*: Turku, Finland (Hippa 1968). All the other reported specimens of *P. relictus* have been proved to be misidentifications of other *Parasyrphus* species.

*Heringia (Neocnemodon) verrucula* (Collin, 1931). Reported in *Ta*: Somero as new to the Finnish fauna (Hippa 1972).

*Chalcosyrphus jacobsoni* (Stackelberg, 1921). Determination has been based on the figures of genitalia drawn of a specimen collected in Finland (Hippa 1978).

### Omissions

*Baccha obscuripennis* (Fabricius, 1775) is increasingly considered a synonym of the *Baccha elongata* Meigen (Speight *et al.* 2003).

*Platycheirus complicatus* Becker, 1889. First reported in *Li*: (Haarto 1995). All specimens of *P. complicatus* have been proved to be misidentifications of *Platycheirus kittilaensis* Dušek & Láska, 1982.

*Paragus albifrons* (Fallén, 1817). All specimens determined as *P. albifrons* in the MZH and MZT have been proved to be misidentifications of *Paragus majoranae* Rondani, 1857 (Ståhls 1995) (see *Taxa new to Finland after Hackman's list in 1980*).

*Chrysotoxum elegans* Loew, 1841. All specimens determined as *C. elegans* in the MZH have been proved to be misidentifications of *Chrysotoxum octomaculatum* Curtis, 1837 (see *Taxa new to Finland after Hackman's list in 1980*).

*Epistrophe melanostomoides* Strobl, 1880 is a junior synonym of *Epistrophe melanostoma* (Zetterstedt, 1843) (Doczkal & Schmid 1994).

*Cheilosia gracilis* Hellén, 1914 is a junior synonym of *Cheilosia gigantea* (Zetterstedt, 1838) (Nielsen & Claussen 2001).

*Cheilosia nasutula* Becker, 1894 is a junior synonym of *Cheilosia vicina* (Zetterstedt, 1849) (Lucas *et al.* 1995).

*Cheilosia rotundicornis* Hellén, 1914 is a junior synonym of *Cheilosia vernalis* (Fallén, 1817) (Barkalov 1993).

*Cheilosia soror* (Zetterstedt, 1843). The Finnish observation of *C. soror* has been based on a specimen in the MZH. This specimen does not have a head and it has been determined as *C. soror* by Becker. It has been proved to be a misidentification of *Cheilosia longula* (Zetterstedt, 1838).

*Cheilosia ruralis* (Meigen, 1822) is a junior synonym of *Cheilosia mutabilis* (Fallén, 1817) (Claussen & Speight 1999).

*Brachyopa bicolor* (Fallén, 1817). All the specimens in the MZH determined as *B. bicolor* have been proved to be misidentifications of *Brachyopa pilosa* Collin, 1939 (Ståhls 1995).

*Chrysogaster viduata* (Linnaeus, 1758) is a junior synonym of *Melanogaster nuda* (Macquart, 1829). All specimens determined as *C. viduata* in the MZH have been proved to be misidentifications of *Melanogaster aerosa* (Loew, 1843).

*Myolepta nigra* (Loew, 1872). In the earlier checklist, all the specimens in the MZH and MZT have erroneously been placed under the name *M. nigra* belonging to the species *Heleniola nigra* (Zetterstedt, 1843) (Hackman 1982), whose valid name is *Chrysosyrphus niger* (Zetterstedt, 1843) (see *Taxa new to Finland after Hackman's list in 1980*).

*Orthonevra brevicornis* (Loew, 1843). All the specimens determined as *O. brevicornis* in the MZH have been proved to be misidentifications of *Orthonevra plumbago* (Loew, 1840) (see *Taxa new to Finland after Hackman's list in 1980*).

*Sphagina violovitshi* Stackelberg, 1956. All the specimens determined as *S. violovitshi* have been proved to be misidentifications of *Sphagina montana* Becker, 1921 (Thompson & Torp 1986, Polevoi & Ståhls 1994) (see *Taxa new to Finland after Hackman's list in 1980*).



*Eristalis vallei* Kanervo, 1934 is a junior synonym of *Eristalis fratercula* (Zetterstedt, 1838) (Nielsen 1995).

*Pipizella brevis* Lucas, 1976. First reported in *Ta*: Jokioinen and *Ta*: Somero (Kuznetzov 1987). All the specimens of *P. brevis* have been proved to be misidentifications of *Pipizella certa* Violovitsh, 1981 (Steenis J. v. 2003, pers. comm.).

*Pipizella virens* (Fabricius, 1805). All the specimens determined as *P. virens* in the MZH and MZT have been proved to be misidentifications of *Pipizella viduata* (Linnaeus, 1758) (see *Taxa new to Finland after Hackman's list in 1980*).

*Temnostoma bombylans* (Fabricius, 1805). All the specimens determined as *T. bombylans* have been proved to be misidentifications of *Temnostoma angustistriatum* Krivosheina, 2002 (Krivosheina & Ståhls, 2003) (see *Taxa new to Finland after Hackman's list in 1980*).

*Microdon devius* (Linnaeus, 1761). All the correctly identified specimens are from Sortavala (currently Russian Karelia) (Ståhls 1995).

*Microdon latifrons* Loew, 1856 is a junior synonym of *Microdon analis* (Macquart, 1842) (Doczkal & Schmid 1999) (see *Taxa new to Finland after Hackman's list in 1980*).

### Nomenclatural note

Bulletin of Zoological Nomenclature has published the Case 3090 (Iliff & Chandler 2000) and the Opinion 1982 (2001). There has been confusion in the literature since Thompson *et al.* (1982), when lectotypes were designated for *Chrysotoxum arcuatum* and *Chrysotoxum festivum*. The designations had the effect of transferring the name *arcuatum* to *C. festivum* auct. and *festivum* to *Xanthogramma citrofasciatum* auct.; the name *C. fasciatum* (Müller, 1764) was introduced for *C. arcuatum* auct. According to Opinion 1982 (ICZN 2001), the official names of these three species are presently the following: *Chrysotoxum arcuatum* (Linnaeus, 1758), *Chrysotoxum festivum* (Linnaeus, 1758) and

*Xanthogramma citrofasciatum* (De Geer, 1776).

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## Checklist of Finnish Syrphidae

### SYRPHIDAE

#### SYRPHINAE

#### BACCHINI

*Baccha* Fabricius, 1805

*elongata* (Fabricius, 1775)

*karpatica* Violovitsh, 1976

*?obscuripennis* Meigen, 1822

*tuvinica* Violovitsh, 1976

#### MELANOSTOMINI

*Melanostoma* Schiner, 1860

*dubium* (Zetterstedt, 1838)

*freyi* (Hellén, 1950)

*mellinum* (Linnaeus, 1758)

*scalare* (Fabricius, 1794)

*Platycheirus* Lepeletier & Serville, 1828

*aeratus* Coquillet, 1900

*angustitarsis* Kanervo, 1934

*albimanus* (Fabricius, 1781)

*ambiguus* (Fallén, 1817)

*amplus* Curran, 1927

*angustatus* (Zetterstedt, 1843)

*carinatus* (Curran, 1927)

*?hirtipes* Kanervo, 1938

*clypeatus* (Meigen, 1822)

*discimanus* Loew, 1871

*europaeus* Goeldlin, Maibach & Speight, 1990

*octomaculatus* (von Roser, 1840)

*fulviventris* (Macquart, 1829)

*granditarsis* (Forster, 1771)

*digitalis* Fluke, 1939

*ocymi* (Fabricius, 1794)

*groenlandicus* Curran, 1927

*boreomontanus* Nielsen, 1981

*monticolus* Nielsen, 1972

*holarcticus* Vockeroth, 1990

*rostrata* (Zetterstedt, 1838)

*hyperboreus* (Staeger, 1844)

*chirospheana* Hull, 1944

*erraticus* Curran, 1927

*immarginatus* (Zetterstedt, 1849)

*palmulosus* Snow, 1895

*felix* Curran, 1931

*jaerensis* Nielsen, 1971

*kittilaensis* Dušek & Láska, 1982

*laskai* Nielsen, 1999

*latimanus* (Wahlberg, 1844)  
*lundbecki* (Collin, 1931)  
     *fjellbergi* Nielsen, 1974  
*manicatus* (Meigen, 1822)  
*nielsen* Vockeroth, 1990  
*nigrofemoratus* Kanervo, 1934  
*occultus* Goeldlin, Maibach & Speight, 1990  
*parmatus* Rondani, 1857  
     *ovalis* Becker, 1921  
     *bigelowi* Curran, 1927  
*peltatus* (Meigen, 1822)  
*perpallidus* Verrall, 1901  
*podagratus* (Zetterstedt, 1838)  
     *nudipes* Becker, 1900  
*ramsarensis* Goeldlin, Maibach & Speight, 1990  
*rosarum* (Fabricius, 1787)  
*scambus* (Staeger, 1843)  
     *chaetopodus* Williston, 1887  
*scutatus* (Meigen, 1822)  
*splendidus* Rotheray, 1998  
*sticticus* (Meigen, 1822)  
*subordinatus* Becker, 1915  
*tarsalis* (Schummel, 1836)  
*transfugus* (Zetterstedt, 1838)  
     *celsus* Violovitsh, 1975  
*varipes* Curran, 1923  
     *argentatus* Ringdahl, 1936

*Xanthandrus* Verrall, 1901  
*comtus* (Harris, 1780)

#### PARAGINI

*Paragus* Latreille, 1804  
*finitimus* Goeldlin, 1971  
*haemorrhous* Meigen, 1822  
     *sigillatus* Curtis, 1836  
     *trianguliferus* Zetterstedt, 1838  
*majoranae* Rondani, 1857  
     *pecchiolii* Rondani, 1857  
     *tarsatus* Rondani, 1857  
*tibialis* (Fallén, 1817)  
     *aeneus* Meigen, 1822  
     *albipes* Gimmerthal, 1842  
     *meridionalis* Becker, 1921  
     *numidus* Macquart, ???  
     *obscurus* Meigen, 1822  
     *zonatus* Meigen, 1822

#### CHRYSOTOXINI

*Chrysotoxum* Meigen, 1803  
*festivum* (Linnaeus, 1758)  
     *arcuatum* auct.  
*bicinctum* (Linnaeus, 1758)  
*cautum* (Harris, 1776)  
*arcuatum* (Linnaeus, 1758)  
     *fasciatum* (Müller, 1764)  
*fasciolatum* (De Geer, 1776)  
*octomaculatum* Curtis, 1837  
*vernale* Loew, 1841

#### SYRPHINI

*Dasysyrphus* Enderlein, 1838  
*albostrigatus* (Fallén, 1817)  
*friuliensis* van der Goot, 1960  
     *carpathicus* Stys & Moucha, 1962  
*hilaris* (Zetterstedt, 1843)  
*nigricornis* (Verrall, 1873)  
     *obscuratus* (Ringdahl, 1928)  
*pauxillus* (Williston, 1887)  
     *nigricornis* auct. nec Verrall, 1873  
*pinastri* (De Geer, 1776)  
     *lunulatus* Meigen, 1822  
*postclaviger* Stys & Moucha, 1962  
     *claviger* (Frey, 1930)  
*tricinctus* (Fallén, 1817)  
*venustus* (Meigen, 1822)  
     *arcuatus* (Fallén, 1817)

*Didea* Macquart, 1834  
*alneti* (Fallén, 1817)  
*fasciata* Macquart, 1834  
*intermedia* Loew, 1854

*Doros* Meigen, 1803  
*profuges* (Harris, 1780)  
     *conopseus* auct. nec Linnaeus, 1758

*Epistrophe* Walker, 1852  
*annulitarsis* Stackelberg, 1918  
*cryptica* Doczkal & Schmid, 1994  
*eligans* (Harris, 1780)  
     *bifasciata* (Fabricius, 1794)  
*diaphana* (Zetterstedt, 1843)  
*flava* Doczkal & Schmid, 1994  
     *melanostomoides* Strobl (in van der Goot, 1981)  
     *melanostomoides* Strobl (in Verlinden, 1981)  
     *ochrostoma* (Zetterstedt) (in Sack, 1928-1932)  
     *ochrostoma* (Zetterstedt) (in Hippa, 1968)  
     *ochrostoma* (Zetterstedt) (in Speight, 1988)

- grossulariae* (Meigen, 1822)  
*melanostoma* (Zetterstedt, 1843)  
     *melanostomoides* Strobl, 1880  
*nitidicollis* (Meigen, 1822)  
     *hunteri* (Curran, 1925)  
     *protritus* (Osten Sacken, 1877)  
*obscuripes* (Strobl, 1910)  
     *melanostomoides* Strobl (in Hippa, 1968)  
     *similis* Doczkal & Schmid, 1994  
*ochrostoma* (Zetterstedt, 1849)  
     *terminalis* (Curran, 1925)
- Epistrophella*** Dušek & Láska, 1967  
*euchroma* (Kowarz, 1885)
- Episyrrhus*** Matsumura & Adachi, 1917  
*balteatus* (De Geer, 1776)
- Eriozona*** Schiner, 1860  
*syrphoides* (Fallén, 1817)  
**s.g. *Megasyrphus*** Dušek & Láska, 1967  
*erraticus* (Linnaeus, 1758)  
     *annulipes* (Zetterstedt, 1838)
- Eupeodes*** Osten Sacken, 1877  
*abiskoensis* (Dušek & Láska, 1973)  
     *chillcotti* Fluke, 1952  
*bucculatus* (Rondani, 1857)  
     *frequens* Matsumura, 1917  
     *hideonis* Matsumura, 1917  
     *latihumulatus* (Collin, 1931)  
     *pseudonitens* Dušek & Láska, 1980  
*borealis* (Dušek & Láska, 1973)  
*corollae* (Fabricius, 1794)  
*curtus* (Hine, 1922)  
*latifasciatus* (Macquart, 1829)  
*lundbecki* (Soot-Ryen, 1946)  
     *arcuatus* Lundbeck, 1916, nec Fallén, 1817  
*luniger* (Meigen, 1822)  
*nielsenii* (Dušek & Láska, 1976)  
     *punctifer* (Frey in Kanervo, 1934) (Hippa, 1968)  
*nitens* (Zetterstedt, 1843)  
*punctifer* (Frey in Kanervo, 1934)  
**s.g. *Lapposyrphus*** Dušek & Láska, 1967  
*lapponicus* (Zetterstedt, 1838)
- Fagisyrrhus*** Dušek & Láska, 1967  
*cinctus* (Fallén, 1817)
- Leucozonia*** Schiner, 1860  
*inopinata* Doczkal, 2000
- lucorum* (Linnaeus, 1758)  
**s.g. *Ischyrosyrphus*** Bigot, 1882  
*glaucia* (Linnaeus, 1758)  
*laternaria* (Müller, 1776)
- Melangyna*** Verrall, 1901  
*arctica* (Zetterstedt, 1838)  
*barbifrons* (Fallén, 1817)  
*coei* Nielsen, 1971  
*compositarum* (Verrall, 1873)  
*lasiophthalma* (Zetterstedt, 1843)  
*lucifera* Nielsen, 1980  
*quadrimaculata* (Verrall, 1873)  
*umbellatarum* (Fabricius, 1794)
- Meligramma*** Frey, 1946  
*guttata* (Fallén, 1817)  
*triangulifera* (Zetterstedt, 1843)  
     *nielsenii* (Violovitsh, 1982)
- Meliscaeva*** Frey, 1946  
*auricollis* (Meigen, 1822)  
*cinctella* (Zetterstedt, 1843)
- Parasyrrhus*** Matsumura, 1917  
*annulatus* (Zetterstedt, 1838)  
*groenlandicus* (Nielsen, 1910)  
     *latifrons* (Ringdahl, 1928)  
*lineolus* (Zetterstedt, 1843)  
*macularis* (Zetterstedt, 1843)  
*malinellus* (Collin, 1952)  
*nigritarsis* (Zetterstedt, 1843)  
     *helvetica* (Sack, 1938)  
*proximus* Mutin, 1990  
*punctulatus* (Verrall, 1873)  
     *monticola* (Becker, 1921)  
     *nigroepistomata* (Shiraki & Edashige, 1953)  
     *aeneostoma* (Matsumura, 1917)  
*relictus* (Zetterstedt, 1838)  
*tarsatus* (Zetterstedt, 1838)  
     ?*dryadis* (Holmgren, 1869)  
*vittiger* (Zetterstedt, 1843)
- Scaeva*** Fabricius, 1805  
*pyrastris* (Linnaeus, 1758)  
*selenitica* (Meigen, 1822)  
     *baltica* Kuznetzov, 1985  
     *rossica* Kuznetzov, 1985
- Sphaerophoria*** Lepelletier & Serville, 1828  
*abbreviata* Zetterstedt, 1859  
*bankowskiae* Goeldlin, 1989

*batava* Goeldlin, 1974  
*boreoalpina* Goeldlin, 1989  
*chongjini* Bankowska, 1964  
*fatarum* Goeldlin, 1989  
*interrupta* (Fabricius, 1805)  
    *menthastri* (Linnaeus, 1758)  
*laurae* Goeldlin, 1989  
*loewi* Zetterstedt, 1843  
*philantha* (Meigen, 1822)  
    *dubia* Zetterstedt, 1849  
    *sarmatica* Bankowska, 1964  
*rueppelli* (Wiedemann, 1830)  
    *flavicauda* Zetterstedt, 1843  
*scripta* (Linnaeus, 1758)  
*taeniata* (Meigen, 1822)  
*virgata* Goeldlin, 1974

***Syrphus*** Fabricius, 1775

*admirandus* Goeldlin, 1996  
*attenuatus* Hine, 1922  
    *hinei* Fluke, 1933  
    *pilisquamus* Ringdahl, 1928  
*rectus* Osten Sacken, 1875  
*ribesii* (Linnaeus, 1758)  
    *autumnalis* Fluke, 1954  
    *bigelowi* Curran, 1924  
    *brevicinctus* Kanervo, 1938  
    *philadelphicus* Macquart, 1842  
    *similis* Jones, 1917  
*sexmaculatus* Zetterstedt, 1838  
    *tshekanovskyi* Kuznetzov, 1987  
*torvus* Osten Sacken, 1875  
*vitripennis* Meigen, 1822

***Xanthogramma*** Schiner, 1860

*citrofasciatum* (De Geer, 1776)  
    *festivum* auct. nec (Linnaeus, 1758)  
*pedissequum* (Harris, 1776)  
    *ornatum* (Meigen, 1822)

**MILESIINAE****CERIOIDINI**

*Ceriana* Rafinesque, 1815  
*conopsoides* (Linnaeus, 1758)

**CHEILOSINI**

*Cheilisia* Meigen, 1822  
*alba* Vujiaë & Claussen, 2000  
*albipila* Meigen, 1838

*albitarsis* (Meigen, 1822)  
*alpina* (Zetterstedt, 1838)  
*angustigenis* Becker, 1894  
*barbata* Loew, 1857  
    *honesta* Rondani, 1868  
*carbonaria* Egger, 1860  
*chrysocoma* (Meigen, 1822)  
*cynocephala* Loew, 1840  
*flavipes* (Panzer, 1798)  
*fraterna* (Meigen, 1830)  
*frontalis* Loew, 1857  
*gigantea* (Zetterstedt, 1838)  
    *gracilis* Hellén, 1914  
*grossa* (Fallén, 1817)  
    *lanigulosa* Becker, 1894  
*illustrata* (Harris, 1780)  
*impressa* Loew, 1840  
*ingerae* Nielsen & Claussen, 2001  
*lasiopa* Kowarz, 1885  
    *honesta* auct.  
*latifrons* (Zetterstedt, 1843)  
    *intonsa* Loew, 1857  
*longula* (Zetterstedt, 1838)  
*melanopa* (Zetterstedt, 1843)  
    *kamtschatica* Hellén, 1930  
*morio* (Zetterstedt, 1838)  
    *scanica* Ringdahl, 1937  
*mutabilis* (Fallén, 1817)  
    *funeralis* (Meigen, 1822)  
    *pratensis* (Meigen, 1822)  
    *ruralis* (Meigen, 1822)  
    *placida* (Meigen, 1822)  
    *pygmaea* (Zetterstedt, 1838)  
    *linearis* (von Roser, 1840)  
    *pusilla* Rondani, 1857  
*nebulosa* Verrall, 1871  
    *langhofferi* Becker, 1894  
*nigripes* (Meigen, 1822)  
    *schmidtii* (Zetterstedt, 1843)  
    *antiqua* Becker, 1894 nec Meigen, 1822  
*pagana* (Meigen, 1822)  
    *pulchripes* Loew, 1857  
*pallipes* Loew, 1857  
    *flavissima* Becker, 1894  
*proxima* (Zetterstedt, 1843)  
    *glirina* Rondani, 1857  
*psilophthalma* Becker, 1894  
*pubera* (Zetterstedt, 1838)

- rufimana* Becker, 1894  
*borealis* Hellén, 1949  
*subarctica* Hellén, 1955  
*sahlbergi* Becker, 1894  
*scutellata* (Fallén, 1817)  
*semifasciata* Becker, 1894  
*sootryeni* Nielsen, 1970  
*urbana* (Meigen, 1822)  
*fulvipes* (Wiedemann in Meigen, 1822)  
*ruralis* (Meigen, 1822) Claussen & Speight, 1999  
*punctigenis* Hellén, 1913  
*praecox* (Zetterstedt, 1843)  
*globulipes* Becker, 1894  
*?rufipes* Macquart, 1829  
*?tarsata* Macquart, 1838  
*uviformis* Becker, 1894  
*argentifrons* Hellén, 1914  
*variabilis* (Panzer, 1798)  
*velutina* Loew, 1840  
*vernalis* (Fallén, 1817)  
*glabrata* Meigen, 1838  
*rotundicornis* Hellén, 1914  
*vicina* (Zetterstedt, 1849)  
*nasutula* Becker, 1894  
*recens* Becker, 1894
- Ferdinandea*** Rondani, 1844  
*cuprea* (Scopoli, 1763)
- Rhingia*** Scopoli, 1763  
*borealis* Ringdahl, 1928  
*austriaca* auct.  
*campestris* Meigen, 1822  
*austriaca* Meigen, 1830
- CHRYSOGASTRINI**  
***Brachyopa*** Meigen, 1822  
*cinerea* Wahlberg, 1844  
*dorsata* Zetterstedt, 1837  
*sibirica* Violovitsh, 1982  
*obscura* Thompson & Torp, 1982  
*pilosa* Collin, 1939  
*testacea* (Fallén, 1817)  
*conica* Panzer, 1798 Schiner, 1861 (part)  
*conica* Panzer, 1798 Sack, 1929 (part)  
*conica* Panzer, 1798 Séguy, 1961 (part)  
*conica* Panzer, 1798 Pedersen, 1973 (part)  
*vittata* Zetterstedt, 1843 Sack, 1929
- Chrysogaster*** Meigen, 1803  
*coemiteriorum* (Linnaeus, 1758)  
*chalybeata* Meigen, 1822  
*solstitialis* (Fallén, 1817)  
*virescens* Loew, 1854
- Chrysosyrphus*** Sedman, 1965  
*nasutus* (Zetterstedt, 1838)  
*niger* (Zetterstedt, 1843)
- Hammerschmidtia*** Schummel, 1834  
*ferruginea* (Fallén, 1817)
- Lejogaster*** Rondani, 1857  
*metallina* (Fabricius, 1777)  
*virgo* Rondani, 1865  
*discicornis* (Meigen, 1822)  
*grandicornis* (Meigen, 1822)  
*violacea* (Meigen, 1822)  
*tarsata* (Meigen, 1822)  
*splendida* (Meigen, 1822)  
*vagabunda* (Violovitsh, 1979)
- Melanogaster*** Rondani, 1857  
*aerosa* (Loew, 1843)  
*macquarti* (Loew, 1843) Maibach, 1994 (part)
- Neoscia*** Williston, 1886  
*geniculata* (Meigen, 1822)  
*interrupta* (Meigen, 1822)  
*meticulosa* (Scopoli, 1763)  
*aeana* (Meigen, 1822)  
*dispar* (Meigen, 1822) Lundbeck, 1916  
*crassipes* (Schrank, 1781)  
*obliqua* Coe, 1940  
*podagrica* (Fabricius, 1775)  
*floralis* (Meigen, 1822)  
*subchalybea* Curran, 1925  
*petsamoensis* Kanervo, 1934  
*tenur* (Harris, 1780)  
*floralis* (Meigen, 1822) Lundbeck, 1916  
*dispar* (Meigen, 1822) Torp, 1973
- Orthonevra*** Macquart, 1829  
*elegans* (Meigen, 1822)  
*erythrogonia* (Malm, 1863)  
*geniculata* (Meigen, 1830)  
*linnaniemii* Kanervo, 1934  
*intermedia* Lundbeck, 1916  
*rossica* Stackelberg, 1953  
*nobilis* (Fallén, 1817)

*plumbago* (Loew, 1840)  
*stackelbergi* Thompson & Torp, 1982  
*intermedia* Lundbeck, 1916 Stackelberg, 1953

***Sphegina*** Meigen, 1822  
*clunipes* (Fallén, 1816)  
*elegans* Schummel, 1843  
*kimakowiczi* Strobl, 1897  
*germanica* Becker, 1921  
*tenuissima* Szilady, 1939  
*montana* Becker, 1921  
*eo*a Stackelberg, 1953  
*fuliginosa* Goeldlin, 1974  
*violovitshi* Stackelberg, 1956 Hackman, 1970  
*sibirica* Stackelberg, 1953  
*sphegina* (Zetterstedt, 1838)  
*loewii* Zeller, 1843  
*zetterstedti* Schiner, 1857  
*rubripes* Becker, 1921

#### ERISTALINI

***Anasimyia*** Schiner, 1864  
*contracta* Claussen & Torp, 1980  
*interpuncta* (Harris, 1776)  
*lineata* (Fabricius, 1787)  
*lunulata* (Meigen, 1822)  
*transfuga* (Linnaeus, 1758)

***Eristalinus*** Rondani, 1845  
*aeneus* (Scopoli, 1763)  
*punctata* (Müller, 1764)  
*auricalcica* (Rondani, 1865)  
*sepulchralis* (Linnaeus, 1758)

***Eristalis*** Latreille, 1804  
*abusiva* Collin, 1931  
*germanica* Sack, 1935  
*alpina* (Panzer, 1798)  
*kamtshatica* Violovitsh, 1977  
*anthophorina* (Fallén, 1817)  
*bastardi* Macquart, 1842  
*nitidiventris* Zetterstedt, 1843  
*nebulosa* WaLkorr, 1849  
*semimetallicus* Macquart, 1850  
*montanus* Williston, 1882  
*occidentalis* Williston, 1882  
*mellisoides* Hull, 1925  
*pacificus* Violovitsh, 1977

*arbustorum* (Linnaeus, 1758)  
*nemorum* (Linnaeus, 1758)  
*horticola* (De Geer, 1776)  
*lyra* (Harris, 1776)  
*deflagrata* (Preyssler, 1793)  
*fumigata* Becker, 1921  
*bulgarica* Szilády, 1934  
*polonica* Szilády, 1934  
*strandii* Duda, 1940  
*cryptarum* (Fabricius, 1794)  
*nubilipennis* Curtis, 1832  
*nigritarsis* Macquart, 1834  
*saltuum* Rondani, 1857  
*fratercula* (Zetterstedt, 1838)  
*pilosus* Loew, 1865  
*tammensis* Bagatshanova, 1980  
*vallei* Kanervo, 1934  
*gomojunovae* Violovitsh, 1977  
*fratercula* Zetterstedt, 1838 in Kanervo, 1934  
*fratercula* Zetterstedt, 1838 in Stackelberg, 1970  
*hirta* Loew, 1866  
*tundrarum* Frey, 1932  
*interrupta* (Poda, 1761)  
*nemorum* auct. nec Linnaeus, 1758  
*fusca* (Scopoli, 1763)  
*obfuscata* (Gmelin, 1790)  
*sylvarum* Meigen, 1838  
*inornatus* Loew, 1866  
*toyohare* Matsumura, 1911  
*toyoharensis* Matsumura, 1916  
*intricaria* (Linnaeus, 1758)  
*leucorrhaea* (Scopoli, 1763)  
*fusca* (Harris, 1776)  
*bombylifformis* (Fabricius, 1794)  
*aurea* (Panzer, 1804)  
*lineata* (Harris, 1776)  
*horticola* De Geer, 1776 auct.  
*cincta* (Harris, 1776)  
*lunula* (Villers, 1789)  
*flavicincta* Fabricius, 1805  
*stackelbergi* Dolezil & Rozkosny, 1967  
*oestracea* (Linnaeus, 1758)  
*apiformis* (Fallén, 1817)  
*pertinax* (Scopoli, 1763)  
*flavitaris* (Malm, 1863)  
*fossarum* Meigen, 1822  
*lucorum* Meigen, 1838  
*guadelupensis* Macquart, 1842  
*inca* Bicot, 1880  
*picea* (Fallén, 1817)  
*vitripennis* subsp. fennica Kanervo, 1938



*pseudorupium* Kanervo, 1938  
*vitripennis* auct. nec Strobl, 1892  
*rupium* (Fabricius, 1805)  
*cryptarum* Panzer, 1804  
*vitripennis* Strobl, 1892  
*nitidus* Wehr, 1922  
*pigaliza* Violovitsh, 1977  
*similis* (Fallén, 1817)  
*pratorum* (Meigen, 1822)  
*nigroantennata* Schummel, 1844  
*pascuorum* Rondani, 1857  
*tenax* (Linnaeus, 1758)  
*vulgaris* (Scopoli, 1763)  
*porcina* (De Geer, 1776)  
*campestris* Meigen, 1822  
*hortorum* Meigen, 1822  
*sylvatica* Meigen, 1822  
*vulpina* Meigen, 1822  
*sinensis* Wiedemann, 1824  
*columbica* Macquart, 1855  
*ventralis* Thomson, 1869  
*rubix* Violovitsh, 1977

***Helophilus*** Meigen, 1822  
*affinis* Wahlberg, 1844  
*bottnicus* Wahlberg, 1844  
*groenlandicus* (Fabricius, 1780)  
*hybridus* Loew, 1846  
*lapponicus* Wahlberg, 1844  
*borealis* Staeger, 1845  
*pendulus* (Linnaeus, 1758)  
*trivittatus* (Fabricius, 1805)  
*parallelus* (Harris, 1776)

***Mallota*** Meigen, 1822  
*megilliformis* (Fallén, 1817)

***Myathropa*** Rondani, 1845  
*florea* (Linnaeus, 1758)

***Parhelophilus*** Girschner, 1897  
*consimilis* (Malm, 1863)  
*frutetorum* (Fabricius, 1775)  
*versicolor* (Fabricius, 1794)

#### EUMERINI

***Eumerus*** Meigen, 1822  
*flavitaris* Zetterstedt, 1843  
*funeralis* Meigen, 1822  
*tuberculatus* Rondani, 1857

*grandis* Meigen, 1822  
*annulatus* (Panzer, 1798)  
*ruficornis* Meigen, 1822  
*sabulonum* (Fallén, 1817)  
*strigatus* (Fallén, 1817)

#### MERODONTINI

***Merodon*** Meigen, 1803  
*equestris* (Fabricius, 1794)

#### PELECOCERINI

***Chamaesyrrhus*** Mik, 1895  
*caledonicus* Collin, 1940  
*lusitanicus* Mik, 1898  
*scaevoides* (Fallén, 1817)

***Pelecocera*** Meigen, 1822  
*tricincta* Meigen, 1822  
*ruficornis* Rondani, 1865

#### PIPIZINI

***Heringia*** Rondani, 1856  
*heringi* (Zetterstedt, 1843)  
**s.g. *Neocnemodon*** Goffe, 1844  
*fulvimanus* (Zetterstedt, 1843)  
*pubescens* (Delucchi & Pschorn-Walcher, 1955)  
*verrucula* (Collin, 1931)  
*vitripennis* (Meigen, 1822)

***Pipiza*** Fallén, 1810  
*austriaca* Meigen, 1822  
*bimaculata* Meigen, 1822  
*humilifrons* Violovitsh, 1985  
*festiva* Meigen, 1822  
*lugubris* (Fabricius, 1775)  
*luteitarsis* Zetterstedt, 1843  
*noctiluca* (Linnaeus, 1758)  
*quadrinaculata* (Panzer, 1804)

***Pipizella*** Rondani, 1856  
*certa* Violovitsh, 1981  
*brevis* auct. nec Lucas, 1976  
*viduata* (Linnaeus, 1758)  
*varipes* (Meigen, 1822)

***Trichopsomyia*** Williston, 1888  
*flavitaris* (Meigen, 1822)  
*buka* (Violovitsh, 1978)  
*pyrenaica* (Becker, 1921)  
*sculpeonata* (Rondani, 1865)

*joratensis* Goeldlin, 1997  
*carbonaria* (Meigen, 1822)  
*morionellus* (Zetterstedt, 1843)

**Triglyphus** Loew, 1840  
*primus* Loew, 1840

#### SERICOMYIINI

**Sericomyia** Meigen, 1803  
*arctica* Schirmer, 1913  
*jakutica* (Stackelberg, 1927)  
*lappona* (Linnaeus, 1758)  
*nigra* Portschinsky, 1872  
*silentis* (Harris, 1776)  
*borealis* (Fallén, 1816)

#### VOLUCELLIINI

**Volucella** Geoffroy, 1762  
*bombylans* (Linnaeus, 1758)  
*inanis* (Linnaeus, 1758)  
*pellucens* (Linnaeus, 1758)

#### XYLOTINI

**Blera** Billberg, 1820  
*fallax* (Linnaeus, 1758)  
*nipponica* Shiraki, 1968

**Brachypalpoides** Hippa, 1978  
*lentus* (Meigen, 1822)

**Brachypalpus** Macquart, 1834  
*laphriformis* (Fallén, 1816)

**Chalcosyrphus** Curran, 1925  
*jacobsoni* (Stackelberg, 1921)  
*nemorum* (Fabricius, 1805)  
*arsenjevi* (Violovitsh, 1980)  
*nigripes* (Zetterstedt, 1838)  
*piger* (Fabricius, 1794)  
*valgus* (Gmelin, 1790)  
*femoratus* auct. nec Linnaeus, 1758

**Criorhina** Meigen, 1822  
*asilica* (Fallén, 1816)

**Lejota** Rondani, 1857  
*ruficornis* (Zetterstedt, 1843)

**Sphecomyia** Latreille, 1829  
*vespiformis* Gorski, 1852

**Spilomyia** Meigen, 1803  
*diophthalma* (Linnaeus, 1758)

**Syritta** Lepeletier & Serville, 1828  
*pipiens* (Linnaeus, 1758)

**Temnostoma** Lepeletier & Serville, 1828  
*angustistriatum* Krivosheina, 2002  
*apiforme* (Fabricius, 1794)  
*carens* Gaunitz 1936  
*sericomyaiforme* (Portschinsky, 1886)  
*vespiforme* (Linnaeus, 1758)

**Tropidia** Meigen, 1822  
*fasciata* Meigen, 1822  
*scita* (Harris, 1780)

**Xylota** Meigen, 1822  
*caeruleiventris* Zetterstedt, 1838  
*florum* (Fabricius, 1805)  
*ignava* (Panzer, 1798)  
*jakutorum* Bagatshanova, 1980  
*meigeniana* Stackelberg, 1964  
*segnis* (Linnaeus, 1758)  
*suecica* (Ringdahl, 1943)  
*sylvarum* (Linnaeus, 1758)  
*tarda* Meigen, 1822  
*triangularis* Zetterstedt, 1838

#### MICRODONTINAE

##### MICRODONTINI

**Microdon** Meigen, 1803  
*analisis* (Macquart, 1842)  
*eggeri* Mik, 1897  
*latifrons* Loew, 1856  
*miki* Doczkal & Schmid, 1999  
*latifrons* auct.  
*mutabilis* (Linnaeus, 1758)

Total number of species is 330.

#### Selostus – Finnish summary

Luettelossa esitetään elokuun 2004 loppuun mennessä Suomesta löydettyt 330 kukkakärpäslajia. Maalle uusia lajeja ilmoitetaan 38. Aikaisemmin eri yhteyksissä julkaistut edellisen luettelon (Hackman 1980) jälkeiset tiedot 44 maalle uudesta lajista on myös lyhyesti mainittu. Väärrien määritysten tai uusien revisioiden aiheuttamien synonymisointien tähden on 21 lajia poistettu Suomen faunasta.