



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 20th 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/). On the Internet there is also the homepage 'Syrphidae of Finland' 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

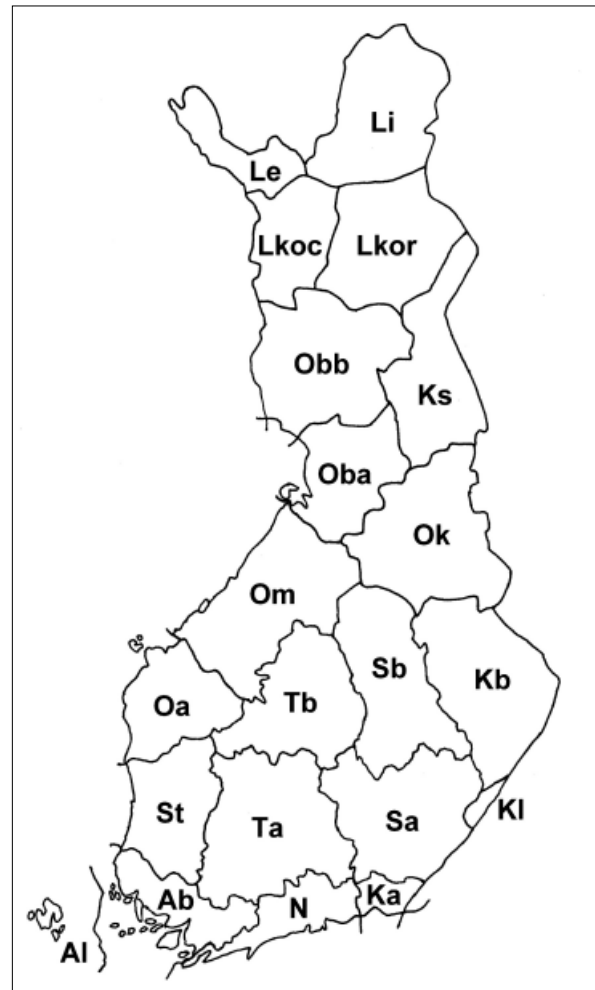


Figure 1. The Finnish biogeographical provinces and their codes. Al = Alandia, Ab = Regio aboensis, N = Nylandia, Ka = Karelia australis, St = Satakunda, Ta = Tavastia australis, Sa = Savonia australis, Kl = Karelia ladogensis, Oa = Ostrobothnia australis, Tb = Tavastia borealis, Sb = Savonia borealis, Kb = Karelia borealis, Om = Ostrobothnia media, Ok = Ostrobothnia kajanensis, Oba = Ostrobothnia borealis pars australis, Obb = Ostrobothnia 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 & Láška, 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 & Láška, 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.

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.

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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.

Ab, N, St, Ta, Sa, Om, Oba, Obb.

Chrysogastrini

Brachyopa obscura Thompson & Torp, 1982. One male found in *N*: Vantaa, Keimola (668:38), 27.5.2003; one female found in *N*:

Ab, N, St, Ta, Sa, Om, Oba, Obb.

Chrysogastrini

Brachyopa obscura Thompson & Torp, 1982. One male found in *N*: Vantaa, Keimola (668:38), 27.5.2003; one female found in *N*:

Ab, N, St, Ta, Sa, Om, Oba, Obb.

Chrysogastrini

Brachyopa obscura Thompson & Torp, 1982. One male found in *N*: Vantaa, Keimola (668:38), 27.5.2003; one female found in *N*:

Ab, N, St, Ta, Sa, Om, Oba, Obb.

Chrysogastrini

Brachyopa obscura Thompson & Torp, 1982. One male found in *N*: Vantaa, Keimola (668:38), 27.5.2003; one female found in *N*:

Ab, N, St, Ta, Sa, Om, Oba, Obb.

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*).

Sphegina violovitshi Stackelberg, 1956. All the specimens determined as *S. violovitshi* have been proved to be misidentifications of *Sphegina 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 Coquillett, 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)
nielsenii 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

Cheilasia 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 Séguéy, 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)
- Neoascia*** 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)
leucorrhæa (Scopoli, 1763)
fusca (Harris, 1776)
bombylifomis (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)

PELECO CERINI

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)
quadrifasciata (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
sericomyiaeforme (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.