

Changes 1986–1990 in the list of Finnish insects

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During the period 96 insect species have been deleted from the list of Finnish insects, and 419 species have been added. By the end of 1990, a total of 19 213 insect species were known from Finland.

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This paper is a sequel to a similar list published in 1986 (Silfverberg, Notulae Entomol. 66:131–152), which itself was a continuation of a series of lists published by Hellén and Silfverberg in 1921–1981. Insect species new to the fauna of Finland during the most recent five-year period are listed here, with references, as are those deleted from the list. A few previously unnoted changes have also been included.

For the new species the locality has generally been given, with its biogeographical province. If the species has been reported from many localities, often only the provinces have been listed, or the abbreviation m.l. (= many localities) has been used. When Finland is mentioned as the locality, the original record gave a no more exact location.

Some other abbreviations or signs must also be explained. Thus f.d. = false determination and sp.dist. = distinct species (previously considered a variety, a synonym or such like); in literature references NE = Notulae Entomologicae. A species enclosed in square brackets is considered accidentally imported, and has not been included in the species total. Again square brackets have been employed for the name used in the original record when different from the one used here. Other symbols are * = new to science and ! = differing from the check-list mentioned for the order.

During the period covered by this list there have been 96 species deleted from the Finnish

fauna, and 419 species added to it. At the end of 1990 a total of 19 213 insect species were known from Finland.

Collembola

Species reported and later deleted

Arrhopalites cochlearifer Gisin (f.d., = *A. spinosus* Rusek)
N: Tuusula, Ta: Tammela. Huhta & al. 1986 Ann. Zool. Fennici 23:359. Vilkamaa 1989 NE 69:64.

Additions

Anurida brunsvigiensis Hüth. Oa: Kuortane (Laitakari).
Vilkamaa 1989 NE 69:63.

Onychiurus fimatus Gisin Ta: Lammi (Uusitalo). *ibid.*:63.

Tullbergia arctica Wahlgr. Li: Utsjoki (Koponen). *ibid.*:63.

Mesaphorura hylophila Rusek Ta: Lammi. *ibid.*:63.

— *tenuisensillata* Rusek Li: Utsjoki (Koponen). *ibid.*:63.

Anurophorus laricis Nicol. Ab: Pargas (Niemi), N: Tvärminne (Vuorimies). *ibid.*:63.

Folsomia lawrencei Rusek Ta: Lammi (Uusitalo). *ibid.*:64.

— *sensibilis* Ksenem. Li: Utsjoki (Koponen). *ibid.*:64.

— *spinosa* Ksenem. Ta: Lammi. *ibid.*:64.

Proisotoma abiskoensis Agrell Li: Utsjoki. Koponen 1984 Oulanka Rep. 4:59.

Vertagopus pseudocinereus Fjellb. Li: Utsjoki (Koponen).
Vilkamaa 1989:64.

Isotoma tshernovi Martyn. Li: Utsjoki (Hurme & Koponen).
ibid.:64.

Arrhopalites spinosus Rusek (*cochlearifer* auct.) N: Tuusula,
Ta: Tammela. *ibid.*:64.

— *pseudoappendices* Rusek N: Lohja (Biström & Hippa).
ibid.:64.

Present number: 192 + 14 = 206 spp.

Ephemeroptera

Additions

Baetis liebenauae Keff. *Ok*: Kuhmo (Lyytikäinen). Savolainen & Pulkkinen 1987 *Kulumus* 9:17.

Present number: 49 + 1 = 50 spp.

Psocoptera

Deletions

Liposcelis kidderi (Hag.) (f.d., = *L. pearmani* Lienh.). Lienhard 1990 *Zool. Jahrb., Syst.* 117:157.

Additions

**Liposcelis pearmani* Lienh. (*L. kidderi* auct. nec (Hag.)) Finland. Lienhard 1990 *Zool. Jahrb., Syst.* 117:157.

Trichadenotecnum incognitum Roesl. *Tb*: Saarijärvi (Biström & Väisänen). Meinander 1986 *NE* 66:184.

Present number: 60 – 1 + 2 = 61 spp.

Heteroptera

Deletions

Orthocephalus coriaceus (F.) (f.d., = *O. vittipennis* (H.-S.)). Lammes & Rinne 1990 *Entomol. Fennica* 1:210.

Monosynamma nigrigula (Zett.) (f.d., = *M. bohemani* (Fall.)). *ibid.*:210.

Elatophilus nigrellus (Zett.) (= *E. nigricornis* (Zett.)). *ibid.*:210.

Additions

**Polymerus tepastus* Rinne *Al, Ab, N, Ka, St, Ta, Sa, Kl, Oa, Tb, Kb, Ob, Ks, Lk, Li*. Rinne 1989 *Ann. Entomol. Fennici* 55:98.

*– *lammesi* Rinne *Ab*: Korpo Jurmo, Dragsfjärd Öro. *ibid.* 99.

**Trigonotylus fuscitarsis* Lammes *Sa, Tb, Sb, Ok, Ob, Ks, Lk, Le, Li*. Lammes 1987 *Ann. Entomol. Fennici* 53:69.

[*Castolus tricolor* Champ. *N*: Helsinki (I.Kullberg). Koponen 1988 *NE* 68:150.]

Present number: 478 – 3 + 3 = 478 spp.

Homoptera

Deletions

Chaitophorus truncatus (Hausm.) (f.d., = *C. nigricantis* Pint.). Pintera 1987 *Deutsche Entomol. Zeitschr.* 34:330.

Pterocomma populeum (Kalt.) Doubtful record. Heie 1986 *Fauna Entomol. Scand.* 17:23.

— *ringdahli* Wahlgr. (= *P. rufipes* (Hart.)). *ibid.*:24.

Additions

Aphrodes bicincta (Schr.) *ObN*: Pello, *LkE*: Savukoski. Raatikainen & Ylönen 1988 *Ann. Entomol. Fennici* 54:74, 85.

Edwardsiana tersa (Edw.) *ObN, LkE, Li*. *ibid.*:74, 85.

Psammotettix excisus (Mats.) *LkW, LkE*. *ibid.*:74, 87.

Bemisia tabaci (Genn.) Finland. Tiittanen 1988 *Kasvinsuojelulehti* 21:15.

**Chaitophorus furcatus* Pint. *Tb*: Rautalampi (Heikinheimo). Pintera 1987 *Deutsche Entomol. Zeitschr.* 34:239.

*– *nigricantis* Pint. *N*: Tikkurila (Heikinheimo), *Tb*: Rautalampi (Heikinheimo). *ibid.*:279.

**Schizaphis thunebergi* Heie *Ka*: Vehkalahti (Thuneberg). Heie 1986 *Fauna Entomol. Scand.* 17:72.

Aphis podagrariae Schrank *Ta*. *ibid.*:217.

— *pseudocomosa* Stroyan *Al, Ab*. *ibid.*:226.

Dysaphis aizenbergi (Shap.) *N*: Vantaa. Heikinheimo 1990 *Entomol. Fennica* 1:65.

— *hirsutissima* (Börn.) *N*: Vantaa. *ibid.*:67.

— *calamagrostis* (Oss.) *N, Ka, Sa, Ob*. *ibid.*:68.

Hyadaphis passerinii (Guerc.) *Ab*: Perniö, *N*: Helsinki & Vantaa. *ibid.*:69.

— *polonica* Szeleg. *N*: Helsinki. *ibid.*:69.

— *mosana* HRL. *Ab*: Nauvo. *ibid.*:70.

Pseudacaudella rubida Börn. *Ob*: Rovaniemi. *ibid.*:73.

Fimbriaphis latifrons (Börn.) *Ks, Lk, Li*. *ibid.*:73.

Myzodium modestum (Hott.) *Ob*: Rovaniemi. *ibid.*:76.

Capitophorus carduinus (Walk.) *Al, N, Ka*. *ibid.*:76.

Nasonovia vannesi Stens. *Ks*: Kuusamo (P.Alanko). *ibid.*:78.

Hyperomyzus zirnitsi boernerii Prev. *Ob*: Rovaniemi. *ibid.*:79.

Rhopalosiphoninus calthae (Koch) *Ta*: Janakkala, *Sa*: Mikkeli. *ibid.*:80.

Aulacorthum flavum (Müll.) *N, St, Sa, Tb, Sb, Om, Ob, Ks, Lk*. *ibid.*:81.

— *speyeri* (Börn.) *Sa*: Kouvola (J.Halme). *ibid.*:82.

— *vaccinii* HRL. *Ks, Lk, Li*. *ibid.*:83.

Acyrtosiphon brachysiphon HRL. *Tb*: Rautalampi & Vimpeli, *Ok*: Kuhmo. *ibid.*:84.

— *knechteli* (Börn.) *Al, St, Ta, Tb, Sb, Om, Ks, Lk*. *ibid.*:85.

— *chelidonii* (Kalt.) *N*: Helsinki (L.Huldén). *ibid.*:87.

Metapolophium tenerum HRL. *N*: Vantaa, *Ob*: Rovaniemi. *ibid.*:87.

Cryptaphis poae (Hardy) *N*: Vantaa. *ibid.*:88.

Subacyrtosiphon cryptobium HRL. *N*: Vantaa. *ibid.*:90.

Rhodobium porosum (Sanders.) *Sa*: Mikkeli (V.Kanervo). *ibid.*:90.

Sitobion dryopteridis (Holm.) *Ta*: Riihimäki (E.A.Oinonen). *ibid.*:92.

— *graminearum* (Mordv.) *N*: Vantaa. *ibid.*:93.

Uroleucon riparium (Stroyan) *St*: Yläne, *Ks*: Kuusamo. *ibid.*:95.

Present number 761 – 3 + 35 = 793 spp.

Thysanoptera

Additions

Frankliniella occidentalis (Perg.) m.l. (*Ab-Ob*). Tiittanen 1988 *Kasvinsuojelulehti* 21:15. Brax & Tiittanen 1989 *Kasvinsuojelulehti* 22:21. Tiittanen & Markkula 1989 *Acta Entomol. Fennica* 53:59.

Present number 113 + 1 = 114 spp. Coleoptera

Deletions

- Bradycellus harpalinus* (Serv.) Doubtful record. Lindroth & al. 1986 Fauna Entomol. Scand. 15:380.
- Ochthebius auriculatus* Rey Doubtful record. Hansen 1987 Fauna Entomol. Scand. 18:39.
- Anacaena limbata* (F.) (f.d., = *A. lutescens* (Steph.)), *ibid.*:173.
- Laccobius striatulus* (F.) (f.d., = *L. sinuatus* Motsch.), Clayhills 1986 NE 66:185.
- Carpelimus heidenreichi* (Ben.) (f.d., = *C. lindrothi* (Palm)), Rutanen & Rassi 1990 NE 69:212.
- Leptusa saalasi* Kang. (= *L. pulchella* (Mannh.)), Lundberg 1986 Entomol. Tidskr. 107:149. Pace 1989 Mem. Mus. Civ. Stor. Nat. Verona (II. ser.) (A) 8:85.
- Rybaxis laminata* (Motsch.) (= *R. longicornis* (Leach)), Besuchet 1989 Die Käfer Mitteleuropas 12:243.
- Atomaria attila* Rtt. (f.d.), Kangas 1987 NE 67:212.
- *peltatula* Rtt. (f.d.; recorded outside Finland), *ibid.*:212.
- Ropalodontus perforatus* (Gyll.) (f.d., = *R. strandi* Lohse), Rutanen 1987 NE 67:213.
- Mordellistena dalmatica* Erm. (f.d., = *M. praesagita* Kangas), Kangas 1988 Ann. Entomol. Fennici 54:89.
- Phyllotreta cruciferae* (Gze.) Doubtful record. Silfverberg 1990 NE 69:213.
- Dorytomus nordenskiöldi* Faust Recorded outside Finland. Silfverberg 1987 NE 67:213.
- Tychius crassirostris* Kirsch Doubtful record. Mannerkoski 1986 NE 66: 181.

Additions

- Bembidion aeneum* Germ. *Ks*: Kuusamo. Muona 1990 NE 69:195.
- Ochthebius kaninensis* Popp. (sp.dist.) *Ks*: Kuusamo. Hansen 1987 Fauna Entomol. Scand. 18:42.
- **Hydrochus megaphallus* Berge Hen. *Kb*: Liperi (Palmén). Berge Henegouwen 1988 Balfour-Browne Club Newsl. 42:19.
- Helophorus griseus* Hbst. *Al*. Hansen 1987:116.
- Anacaena lutescens* (Steph.) (*A. limbata* auct. nec F.) (sp.dist.), *ibid.*:173.
- *limbata* (F.) (nec *lutescens*) *Ab*: Karjalohja, Karis & Lojo. Rutanen 1990 NE 69:212.
- Laccobius sinuatus* Motsch. (*L. striatulus* auct. nec F.) *Al, N, Ta*. Clayhills 1986 NE 66:185.
- Enochrus fuscipennis* (Thoms.) (sp.dist.) m.l. Hansen 1987:200.
- Ptilium affine* Er. *Ab*: Perniö. Y.Kangas 1987 NE 67:214.
- Quedius puncticollis* Thoms. *N*: Helsinki, *Ta*: Loppi. Rutanen 1987 NE 67:210.
- Gyrophypnus liebei* Scheerp. (ater auct. nec Steph.) (sp.dist.). Mahler 1987 Entomol. Meddel. 54:197; Lohse 1989 Käfer Mitteleur. 12:156.
- Ochthephilum collare* (Rtt.) *N*: Espoo (Dahlgren). Muona 1988 NE 68:25.
- Stenus longitarsis* Thoms. *Ab*: Pargas. Clayhills 1987 NE 67:210.
- Thinobius brevipennis* Kiesw. *Ks*: Kuusamo. *ibid.*:25.
- Bledius fontinalis* Bernh. *Ks*: Kuusamo, *Li*: Utsjoki. Herman 1986 Bull. Amer. Mus. Nat. Hist. 184:193. Clayhills 1988 NE 68:150.
- *pallipes* (Grav.) *Li*: Ivalo. Herman 1986:195.
- Mycetoporus erichsonianus* Fag. *Li*: Utsjoki. Clayhills 1988 NE 68:150.
- Lordithon trinotatus* (Er.) *N*: Siuntio & Helsinki. Muona 1990 NE 69:195.
- Tachyporus dispar* (Payk.) (sp.dist.) *Al-Ob*. Silfverberg 1990 NE 69:210.
- Oxypoda lapponica* Lundb. *Kb*: Rääkkylä. Clayhills 1988 NE 68:151.
- Ischnoglossa elegantula* (Mannh.) (sp. dist.) m.l. Wunderle 1990 Entomol. Bl. 86:57.
- Dinarda maerkelii* Kiesw. (sp.dist.), Zerche 1989 Die Käfer Mitteleuropas 12:222.
- *hagensii* Wasm. (sp.dist.), *ibid.*:222.
- Lundbergia trybomi* (J.Sahlb.) *Li*: Inari (Trottestam & Muona). Muona 1988 NE 68:25.
- Atheta insecuta* Epp. *Ks*: Kuusamo. Muona 1990 NE 69:195.
- **Amischa andreasi* Muona *Ks*: Kuusamo, Oulanka. Muona 1990 Entomol. Tidskr. 111:20.
- *bifoveolata* (Mannh.) *Al, Ab, N, Ka, St, Ta, Sa, Tb, Kb, Ob, Ks, Lk, Li*. *ibid.*:24.
- Aphodius paykulli* Bed. *Al*: Föglö. Hanski & Kuusela 1983 Acta Entomol. Fennica 42:36.
- Melanophila formaneki* (Jacobs.) *Sr*: Harjavalta. Heliövaara, Väisänen & Mannerkoski 1990 Entomol. Fennica 1:221.
- Atomaria ihsseni* Johns. *Kb*: Ilomantsi. Kangas 1987 NE 67:212.
- *grossepunctata* Rtt. *Ks*: Kuusamo. *ibid.*:212.
- Scymnus femoralis* Gyll. *Ab, N, St, Ta*. Rutanen 1988 NE 68:152.
- **Nephus rutaneni* Fürsch *Ta*: Hausjärvi (Rutanen). Fürsch 1986 Ann. Entomol. Fennici 52:107.
- *limonii* (Donisth.) *Ab*: Kustavi. Clayhills 1986 NE 66:186.
- Hyperaspis inexpectata* Günth. *Ab*: Turku, *Ta*: Riihimäki. Clayhills & Rutanen 1987 NE 67:209.
- Melanophthalma suturalis* (Mannh.) (sp.dist.) *N*: Hanko. Y.Kangas 1987 NE 67:214.
- Orthocis vestitus* (Mell.) *Ab, Ta*. Muona 1988 NE 68:26.
- Ropalodontus strandi* Lohse (*perforatus* auct.). Rutanen 1987 NE 67:213.
- [*Cylindronotus dermestoides* (Ill.) *N*: Helsingfors (M.S.Meriluoto). Biström 1988 NE 68:130.]
- Cyrtanaspis phalerata* (Germ.) *N*: Mäntsälä. Rutanen 1990 NE 69:213.
- Mordella brachyura* Muls. *N*: Hyvinkää. *ibid.*:213.
- **Mordellistena multicolor* Kangas *Al*: Eckerö. Kangas 1986 Ann. Entomol. Fennici 52:139.
- *— *praesagita* Kangas (*M.dalmatica* auct. nec Erm.) *Ab, Ka, Sa*. Kangas 1988 Ann. Entomol. Fennici 54:89.
- [*Tetropium gabrieli* Wse. *N*: Helsinki. Jansson 1990 Entomol. Fennica 1:118.]
- Galerucella sagittariae* (Gyll.) (sp.dist.). Hippa & Koponen 1986 Ann. Entomol. Fennici 52:49.
- Longitarsus kutscherai* (Rye) *N, Ka, Tb*. Rutanen 1987 NE 67:213.

- Altica lythri* Aubé *Ab*: Pargas, *Ka*: Virolahti. Clayhills 1988 NE 68:152.
- Sphaeroderma testaceum* (F.) *Al*: Lemland. Clayhills 1986 NE 66:187.
- Liophloeus lentus herbsti* Gyll. *Al*: Maarianhamina. Kangas 1990 NE 69:214.
- Hypera fornicata* (Pen.) *Ka*: Imatra. Clayhills 1986 NE 66:187.
- Dorytomus ictor* (Hbst.) *N*: Espoo. Mannerkoski 1987 NE 67:213.
- Tychius brevisculus* Desbr. *N*: Helsinki. Mannerkoski 1986 NE 66:180.
- Rhynchaenus pseudostigma* Temp. *N*: Helsinki, *Ta*: Luopioinen. Kangas 1990 NE 69:213.
- Ceutorhynchus thomsoni* Kolbe *N*: Siuntio. Muona 1988 NE 68:26.
- *granulicollis* Thoms. *N*: Pyhtää. *ibid.*:26.
- *melanostictus* (Marsh.) *Kb*: Pyhäselkä. Clayhills 1990 NE 69:214.
- *pallidicornis* Goug. & Bris. *N*: Pukkila. Rutanen 1988 NE 68:153.
- Trypodendron proximum* (Nij.) (*piceum* Strand) *Ks*: Kuusamo. Muona 1990 NE 69:197.
- Included by mistake in 1979 checklist
- Carpelimus subtilis* (Er.) Recorded outside Finland. Silfverberg 1977 NE 57:104.
- Present number: 3564 – 14 + 56 = 3606 spp.

Lepidoptera

Varis, V., Jalava, J. & Kyrki, J. 1987 Check-list of Finnish Lepidoptera. — NE 67:49–118. 2320 spp.

Deletions

- !*Heliozela hammoniella* Sorh. (sp.dub.). Kerppola & al. 1987 Baptria 12:63.
- !*Psyche betulina* (Zell.) (f.d., = *P. rotunda* (Suom.)). Suomalainen 1990 Nota Lepidopterol. 13:229.
- Coleophora tractella* Zell. (f.d., = *C. svenssoni* Bald.). Baldizzone 1985 Alexanor 14:106.
- Ectropis bistortata* (Gze.) (= *E. crepuscularia* (D&S.)). Varis & al. 1987 NE 67:84.

Additions

- !*Trifurcula subnitidella* (Dup.) *Ka*: Virolahti (Kaitala). Nieuwerkerken 1990 Tijdschr. Entomol. 133:224.
- Stigmella plagicolella* (Staint.) *N*: Hanko. Laasonen & Laasonen 1986 Baptria 11:45.
- !– *lappovimella* (Svenss.) (sp.dist.) *Ob*, *Ok*, *Ks*, *Lk*, *Le*. Bruun 1988 NE 68:7. — not sp.dist.: Johansson & Nielsen 1990 Fauna Entomol. Scand. 23:196.
- !**Psyche* [*Proutia*] *rotunda* (Suom.) (*betulina* auct.). Finland. Suomalainen 1990 Nota Lepidopterol. 13:231.
- Phyllonorycter pastorellus* (Zell.) *N*. Varis & al. 1987 NE 67:55; Kerppola, Kontuniemi & Löfgren 1987 Baptria 12:65; Laasonen, Karvonen, Kyrki & Peltonen 1988 Baptria 13:21; Kerppola & Kontuniemi 1989 Baptria 15:20.
- !*Yponomeuta rorrellus* (Hb.) *N*: Helsinki (Saarenoksa). Kullberg 1990 Baptria 15:115.
- Prays ruficeps* (Heinem.) (sp.dist.) Finland. Kyrki 1986 Baptria 11:28.
- **Rhigognostis kuusamoensis* Kyrki *Ks*: Kuusamo, *Lk*: Kitilä, Savukoski. Varis & al. 1987:57 [as *Rhigognostis* sp.]; Kyrki 1989 Entomol. Scand. 19:451.
- !*Leucoptera lustratella* (Herr.-Sch.) *Kb*: Kitee (Saarela). Kerppola & Kontuniemi 1990 Baptria 15:54.
- !*Carcina quercana* (F.) *Ab*: Nousiainen (Teriaho). Kerppola & Kontuniemi 1989:21.
- Elachista cingillella* Herr.-Sch. *Ta*: Valkeakoski (Saarela). Varis & al. 1987:59; Kerppola & Kontuniemi 1989:21.
- Coleophora sibiricella* Falk. *Ab*, *Ta*, *Kb*. Kerppola, Kontuniemi & Löfgren 1986 Baptria 11:29; Kerppola, Kontuniemi & Löfgren 1987:66; Kerppola & Kontuniemi 1990:55.
- *– *svenssoni* Bald. (*C. tractella* auct. nec Zell.) *Le*, *Li*. Baldizzone 1985 Alexanor 14:106; Kerppola, Kontuniemi & Löfgren 1986:66.
- Hypatopa segnella* (Zell.) (*perflugella* Jonass.) *Ab*: Rymättylä. Euranto 1986 NE 66:184.
- !*Metzneria ehikeella* Gozm. *Al*: Jomala. Bruun & Krogerus 1988 NE 68:27.
- Anacampsis fuscella* (Ev.) *Ab*, *Ta*. Varis & al. 1987:63; Kerppola & Kontuniemi 1989:23
- Pristerognatha penthinana* (Guen.) *N*: Borgå, Pellinge (Alvas). Varis & al. 1987:66; Kerppola, Kontuniemi & Löfgren 1987:68.
- Prochoreutis solaris* (Ersch.) *Ab*, *N*, *Ka*. Varis & al. 1987:69; Kerppola, Kontuniemi & Löfgren 1987:69; Kerppola & Kontuniemi 1989:24; Kerppola & Kontuniemi 1990:56.
- Paraplatyptilia* [*Mariana*] *taprobanes* (Feld. & Rog.) *Ka*: Virolahti. Varis & al. 1987:70; Kerppola, Kontuniemi & Löfgren 1987:70.
- !*Pyrausta obsoletalis* F. *Al*: Eckerö. Krogerus 1990 NE 69:215.
- Catoptria permiaca* (Peters.) *N*, *Ka*. Laasonen & Laasonen 1986 NE 66:167; Kerppola, Kontuniemi & Löfgren 1987:70; Kerppola & Kontuniemi 1989:24.
- **Eudonia aequalis* Palm *Sb*, *Ok*, *Lk*. Palm 1986 Danmarks Dyreliv 3:184.
- Perinephela lancealis* (D&S) *N*: Ekenäs, Jussarö (Nupponen). Varis & al. 1987:74; Nupponen & Nupponen 1987 Baptria 12:76.
- !*Phicliodes podalirius* (Scop.) *Ab*: Turku (Mantere). Avanto 1988 NE 68:154.
- !*Melanargia galathea* (L.) *Sa*: Joutseno (Haapala). Marttila 1990 Baptria 15:73.
- !*Epirrhone rivata* (Hb.) *N*: Tvärminne. Kaila 1990 Baptria 15:1.
- Eupithecia irriguata* (Hb.) *Ab*: Korpo. Roslin 1987 NE 67:215; Kaila & Roslin 1987 Baptria 12:77.
- !– *ochridata* Pink. *Al*, *Ab*, *N*, *Ka*. Kaila 1989 NE 69:39.

- ! – *cauchiata* (Dup.) *N*: Tvärminne. Kaila 1990:2.
Ptilophoraplumigera (D&S) *N*: Sipoo (Lepistö). Repo 1986
 Baptria 11:82. Lepistö 1987 NE 67:215.
 !*Acontia lucida* (Hufn.) *N*: Vantaa. Ojala 1988 NE 68:154.
Diachrysia tutti (Kostr.) (sp. dist.) *Ab*: Houtskär. Bruun 1987
 NE 67:125–127.
Autographa buraetica (Staud.) *N, Ka, Ta, Sa, Sb*. Kerppola
 & Mikkola 1987 NE 67:119–123; Repo 1987 Baptria
 12:83; Peltonen 1988 Baptria 13:6; Somerma 1988
 Baptria 13:42; Repo 1989 Baptria 14:28.
Atypha pulmonaris (Esp.) *Ka*: Virolahti (Kaitila, Holmberg
 & Kontuniemi). Repo 1986 Baptria 11:84. Kontuniemi
 1987 NE 67:215.
 !*Protexarnis squalida* (Guen.) *N*: Borgå, Bodö
 (C.E.Lindfors). Lindfors, Mikkola & Ahti 1989 NE
 69:8.
 !*Xestia brunneopicta* (Mats.) *Ks*: Kuusamo. Mikkola,
 Sinervirta & Vaalamo 1989 NE 69:33.
 Present number: 2306 – 4 + 36 = 2338 spp.

Diptera

Deletions

- Bezzia borealis* Clastr. (= *Probezzia seminigra* (Panz.)).
 Remm 1988 Catal. Pal. Dipt. 3:13.
Dasyhelea aestiva (Winn.) (= *D. modesta* (Winn.)), *ibid.*:75.
 — *longipalpis* Kieff. (= *D. modesta* (Winn.)), *ibid.*:75.
Culicoides neglectus (Winn.) (spec. dub.), *ibid.*:110.
Corynoneura longipennis Tobun. (= *C. scutellata* Winn.).
 Hirvenoja & Hirvenoja 1988 Spixiana Suppl. 14:221.
Corynoptera geogenia Tuomik. (= *C. boletiphaga*
 (Lengersd.)). Gerbachevskaja-Pavluchenko 1986 Catal.
 Pal. Dipt. 4:24.
Dasineura nervorum (Kieff.) (= *D. salicis* (Schr.)). Skuhrava
 1986 Catal. Pal. Dipt. 4:162.
Oligotrophus alopecuri Reut. (= *Dasineura alopecuri*
 (Reut.)) (Listed twice in check list). Hackman 1980 NE
 60:38,39.
Iteomyia major (Kieff.) (= *I. caprae* (Winn.)). Skuhrava
 1986:174.
Megaselia eminens Schm. (= *M. sordida* (Zett.)). Disney 1985
 Entomol. Mon. Mag. 121:246.
 — *semiscaura* Schm. (= *M. sordida* (Zett.)), *ibid.*:246.
 — *subnitida* (Lundb.) (= *M. lucifrons* (Schm.)). Disney
 1988 Entomol. Mon. Mag. 124:11.
 — *angustata* (error for *angusta*) [Wood] (= *M. pulicaria*
 (Fall.)). Disney 1989 Handb. Ident. Brit. Ins. 10(8):44.
 — *angustifrons* (Wood) (= *M. minor* (Zett.)). Disney 1984
 Entomol. Mon. Mag. 120:239.
 — *nudiventris* (Wood) (= *M. discreta* (Wood)). Disney
 1985:245.
 — *scutellariformis* (Schm.) (= *M. scutellaris* (Wood)).
ibid.:245.
Sepsis luteipes Mel. & Spul. (f.d., = *S. punctum* (F.)). Pont
 1990 Entomol. Fennica 1:154.
Limosina manicata Rich. (= *Spelobia clunipes* (Meig.)).
 Pitkin 1988 Handb. Ident. Brit. Ins. 10(5e):12.
Amobia signata (Meig.) (f.d., = *A. oculata* (Zett.)). Pape 1987
 NE 67:43.
Senotainia albifrons (Rond.) (f.d., = *Actia crassicornis*
 (Meig.)). *ibid.*:44.
Phronisellana suta (Meig.) (f.d., = *P. sannio* (Zett.)). *ibid.*:44.
Macronychia conica Rob.-Desv. Recorded outside Finland.
ibid.:44.
Brachicoma borealis Ringd. (= *B. devia* (Fall.)). *ibid.*:44.
Blaesoxipha laticornis (Meig.) (f.d., = *B. plumicornis* (Zett.)).
ibid.:45.
Helicophagella agnata (Rond.) (f.d., = *Exorista* sp.). *ibid.*:45.
Heteronychia dissimilis (Meig.) (f.d.). *ibid.*:45.
Parasarcophaga tuberosa (Pand.) (f.d., = *P. portschinskyi*
 Rohdend.). *ibid.*:46.
Sarcophaga lehmanni Müll. (f.d., = *S. schulzi* Müll.). *ibid.*:46.
 Additions
Nephrotoma relictata Savtsh. *Ks*: Kuusamo (Bruun). Rautio
 1986 NE 66:190.
 — *submaculosa* Edw. *Oa*: Ilmajoki (Mukkala). Rautio 1987
 NE 67:216.
Tipula alpinum (Bergr.) *Ab*: Turku (Mukkala). Rautio 1986
 NE 66:189.
Cheilotrichia neglecta Lacksch. *Ab*: Salo. Rautio 1987 NE
 67:216.
Dasyhelea modesta (Winn.) (*aestiva* (Winn.), *longipalpis*
 Kieff.). Remm 1988 Catal. Pal. Dipt. 3:75.
Serromyia subinermis Kieff. *Ab*. Borkent & Bissett 1990
 Syst. Entomol. 15:182.
Boreochlus thienemanni Edw. *Li*: Utsjoki (Huldén).
 Tuiskunen & Lindeberg 1986 Ann. Zool. Fennici 23:364.
Arctopelopia melanosoma (Goetgh.) *Le*: Enontekiö, *Li*: Inari.
ibid.:365.
Conchapelopia intermedia Fittk. *Ks*: Kuusamo. *ibid.*: 365.
Diamesa bertrami Edw. *Le*: Enontekiö. *ibid.*:365.
 — *serratosioi* Will. *Le*: Enontekiö. *ibid.*:365.
 — *incallida* (Walk.) *Li*: Utsjoki. *ibid.*:365.
 — *latitarsis* (Goetgh.) (?) *Le*: Enontekiö. *ibid.*:365.
 — *spinacies* Saeth. (?) *Le*: Enontekiö. *ibid.*:365.
 — *thienemanni* Kieff. *Li*: Utsjoki. *ibid.*:365.
Potthastia pastoris (Edw.) *Li*: Inari. *ibid.*:365.
 **Sympothastia huldeni* Tuiskunen *Li*: Utsjoki. Tuiskunen
 1986 Ann. Entomol. Fennici 52: 78.
Acamptocladius reissi Cranst. & Saeth. *Li*: Inari. Tuiskunen
 & Lindeberg 1986: 366.
 — *submontanus* (Edw.) *Le*: Enontekiö, *Li*: Inari. *ibid.*:366.
 **Boreosmittia inariensis* Tuisk. *Ta*: Kangasala, *Li*: Inari.
ibid.:374.
 * – *karelioborealis* Tuisk. *Ka*: Vehkalahti, *Kb*: Ilomantsi,
Li: Inari. *ibid.*: 376.
Bryophaenocladus dentatus (Karl) *Li*: Inari. *ibid.*:366.
 — *psilacrus* Saeth. *Le*: Enontekiö. *ibid.*:366.
 * – *saanae* Tuisk. *Le*: Enontekiö. *ibid.*:376.
 — *tuberculatus* (Edw.) *Le*: Enontekiö. *ibid.*:366.
Chaetocladius acuminatus Brund. *Le*: Enontekiö. *ibid.*:366.
 * – *crassisaetosus* Tuisk. *Le*: Enontekiö, *Li*: Inari. *ibid.*:378.
 — *gracilis* Brund. *Le*: Enontekiö. *ibid.*:366.
 — *maari* Brund. *Le*: Enontekiö. *ibid.*:366.
 — *tenuistylis* Brund. *Le*: Enontekiö, *Li*: Inari. *ibid.*:366.

- Corynoneura magna* Brund. *Li*: Inari. *ibid.*:366.
 — *gratias* Schlee *Ta*: Hausjärvi. Hirvenoja & Hirvenoja 1988 *Spixiana* Suppl. 14:218.
 — *arctica* Kieff. "bis Lapland". *ibid.*:228.
 *— *brundini* Hirv. & Hirv. "ganz Finnland". *ibid.*:228.
Cricotopus cumulatus Hirv. *Le*: Enontekiö. Tuiskunen & Lindeberg 1986:367.
 — *pirifer* Hirv. *Li*: Inari. *ibid.*:367.
 — *pulchripes* Verr. *Li*: Inari. *ibid.*:367.
 **Doncricotopus dentatus* Tuisk. *Sa*: Valkeala, *Le*: Enontekiö, *Li*: Inari. Tuiskunen 1986 *Ann. Entomol. Fennici* 51:102.
Eukiefferiella boevrensis Brund. *Le*: Enontekiö. Tuiskunen & Lindeberg 1986:367.
 — *brevicalcar* (Kieff.) *Le*: Enontekiö, *Li*: Inari. *ibid.*:367.
 — *devonica* (Edw.) *Le*: Enontekiö, *Li*: Inari. *ibid.*:367.
 — *sivertseni* Aag. *Li*: Inari. *ibid.*:367.
Gymnometriocnemus brumalis Edw. *Le*: Enontekiö. *ibid.*:367.
Heleniella ornaticollis (Edw.) *Li*: Inari. *ibid.*:367.
Heterotantarsus brundini Fittk. *Le*: Enontekiö, *Li*: Inari. *ibid.*:367.
Hydrobaenus spinmatis Saeth. *Le*: Enontekiö. *ibid.*:368.
Krenosmittia halvorseni (Cranst. & Saeth.) *Ob*, *Ks*, *Li*. *ibid.*:384.
Limnophyes difficilis Brund. *Li*: Inari. *ibid.*:368.
Metriocnemus ursinus (Holmgr.) *Le*: Enontekiö. *ibid.*:368.
Nanocladius rectinervis (Kieff.) *Le*: Enontekiö, *Li*: Inari. *ibid.*:368.
Orthocladus olivaceus (Kieff.) *Le*: Enontekiö, *Li*: Inari. *ibid.*:368.
 — *decoratus* (Holmgr.) *Li*: Inari. *ibid.*:368.
 — *saxicola* Kieff. *Le*: Enontekiö. *ibid.*:368.
Paracladius alpicola (Zett.) *Le*: Enontekiö. *ibid.*:368.
Paracricotopus uliginosus (Brund.) *Le*: Enontekiö, *Li*: Inari. *ibid.*:368.
 **Parakiefferiella bilobata* Tuisk. *Ok*: Vaala. Tuiskunen 1986 *Ann. Zool. Fennici* 23:179.
 *— *fennica* Tuisk. *Sa*: Punkasalmi, *Le*: Enontekiö, *Li*: Inari. *ibid.*:181.
 *— *minuta* Tuisk. *Ka*: Vehkalahti. *ibid.*:185.
 — *scandica* Brund. *Ta*: Kangasala, *Le*: Enontekiö, *Li*: Inari. *ibid.*:188.
Parametriocnemus boreoalpinus Gow. *Li*: Utsjoki. Tuiskunen & Lindeberg 1986:369.
Paraphaenocladus irritus (Walk.) *Le*: Enontekiö, *Li*: Inari. *ibid.*:369.
Psectrocladius bisetus Wulk. *Li*: Inari. *ibid.*:369.
 — *edwardsi* Brund. (sp. dist.) *Oa*: Seinäjoki. Koskeniemi & Paasivirta 1987 *Entomol. Scand. Suppl.* 29:242.
 — *platypus* (Edw.) *Oa*: Seinäjoki. *ibid.*:242.
Pseudorthocladus curtistylus (Goetgh.) *Li*: Inari. Tuiskunen & Lindeberg 1986:369.
 — *pilosipennis* Brund. *Li*: Inari. *ibid.*:369.
Pseudosmittia recta (Edw.) *Le*: Enontekiö. *ibid.*:369.
 — *ruttneri* Strenzke *Le*: Enontekiö, *Li*: Inari. *ibid.*:369.
 **Psilometriocnemus europaeus* Tuisk. *Ka*, *Ta*, *Sa*, *Le*. Tuiskunen 1986 *Ann. Entomol. Fennici* 51:101.
Rheocricotopus tirolus Lehm. *Le*: Enontekiö. Tuiskunen & Lindeberg 1986:369.
Rheosmittia spinicornis Brund. *Li*: Utsjoki. *ibid.*:369.
Smittia betuletorum Edw. *Le*: Enontekiö. *ibid.*:370.
 **Thienemanni paasivirtai* Tuisk. *Le*: Enontekiö (Paasivirta). *ibid.*:386.
 **Tokunagaia parexcellens* Tuisk. *Le*: Enontekiö. *ibid.*:387.
 — *rectangularis* (Goetgh.) *Le*: Enontekiö. *ibid.*:370.
Tokunagayusurika jacutica Zver. *Tb*: Laukaa, *Vatia*. Meriläinen 1987 *Biol. Res. Rep. Univ. Jyväskylä* 10:90.
Tvetenia bavarica (Goetgh.) *Le*: Enontekiö. Tuiskunen & Lindeberg 1986:370.
 — *calvescens* (Edw.) *Le*: Enontekiö, *Li*: Inari. *ibid.*:370.
 — *verralli* (Edw.) *Le*: Enontekiö. *ibid.*:370.
 **Zalutschiamallae* Tuisk. *Le*: Enontekiö, *Li*: Inari. *ibid.*:388.
Pagastiella orophila (Edw.) *Le*: Enontekiö, *Li*: Inari. *ibid.*:371.
Parachironomus subalpinus Goetgh. *Le*: Enontekiö. *ibid.*:371.
Polypedilum albicorne (Meig.) *Le*: Enontekiö. *ibid.*:371.
 — *arundineti* (Goetgh.) *Li*: Inari. *ibid.*:371.
Tantarsus latiforceps (Edw.) *Ab*: Dragsfjärd, Vänä. *ibid.*:372.
Exechia papyracea Stack. *Kb*, *Ok*, *Ks*. Ståhls 1990 *NE* 69:214.
Allodia pyxidiiformis Zaitz. *N*: Esbo, *Le*: Kilpisjärvi. Ståhls 1986 *NE* 66:190.
Mycetophila strigatoides Landr. *Ab*, *N*, *Ok*. Ståhls 1990:214.
Plastosciara brevicornis Tuomik. (accidentally omitted from 1980 check list) Tuomikoski 1957 *Ann. Entomol. Fennici* 23:14.
Bradysia tristicula (Winn.) (*difformis* Frey) (accidentally omitted from 1980 check list) Frey 1948 *NE* 27:61.
Scaptosciaramyrmecophila Frey (accidentally omitted from 1980 check list). *ibid.*:87.
Harmandia cavernosa (Rubs.) (sp. dist.) Skuhrava 1986 *Catal. Pal. Dipt.* 4:260.
Platypalpus stackelbergi Koval. *Ta*: Forssa. Chvála 1989 *Acta Univ. Carol., Biol.* 32:286.
Pipizella brevis Luc. *Ta*: Jokioinen, Somero (H. Hippa). Kuznetsov 1987 *Entomol. Obozr.* 66:428.
Melangyna lucifera Niels. *Ta*: Urjala (Brander). Hedström 1990 *Entomol. Tidskr.* 111:137.
Sphaerophoria chongjini Bankowska *Li*: Ivalo (J.A.W. Lucas). Decler 1989 *Bull. Ann. Soc. R. Belge Entomol.* 125:153.
 **Dorylomorpha onegensis* Albr. *Ab*: Karislojo (Frey & Hellén). Albrecht 1990 *Acta Zool. Fennica* 188:122.
 *— *lautereri* Albr. *Oa*: Petalax (Lindberg). *ibid.*:124.
Cephalops germanicus (Acz.) *Ab*: Salo, *Le*: Kilpisjärvi. De Meyer & Backeljau 1990 *NE* 69:200.
 — *subultimus* Coll. *Sa*: Joutseno, Savonlinna, *Tb*: Keuruu. *ibid.*:201.
 — *semifumosus* (Kow.) *Ab*: Lojo, *Sa*: Joutseno. *ibid.*:201.
Sepsis biflexuosa Strobl *Ab*: Korpo, *Nagu*, *Ks*: Kuusamo. Pont 1990 *Entomol. Fennica* 1:154.
 — *thoracica* (Rob.-Desv.) *Ab*: Korpo Jurmo. *ibid.*:154.
Ortalischema albitarse (Zett.) *Sa*: Punkaharju. *ibid.*:154.
Themira biloba Anderss. *N*: Helsinki. *ibid.*:154.
 — *germanica* Duda *Ab*, *N*, *St*, *Ta*. *ibid.*:154.
 — *lucida* (Staeg.) *Al*, *Ab*, *N*, *Ta*, *Sa*, *Oa*, *Tb*, *Ob*, *Ks*, *Li*. *ibid.*:154.
 — *malformans* Mel. & Spul. *Lk*: Muonio, *Li*: Utsjoki. *ibid.*:154.
 — *paludosa* Elb. *Ab*, *N*, *St*, *Sb*, *Ks*. *ibid.*:154.

- Campichoeta obscuripennis* (Meig.) *N.* Chandler 1987 Entomol. Scand. 18:46.
- Diastata ornata* Meig. *N, Ta, Lk, Li.* *ibid.*:20.
- *– *boreonigra* Chandler *Ok, Ks, Lk.* *ibid.*:22.
- *costata* Meig. *N, Tb.* *ibid.*:28.
- *– *flavicosta* Chandler *N, Sb, Ks, Lk.* *ibid.*:29.
- Agromyza demeijerei* Hend. *N:* Helsinki. Vikberg 1986 NE 66:190.
- **Strobilomyia sibirica* Michels. *Ab, N, Ka, St, Ta, Sa, Kb, Om, Ok.* Michelsen 1988 Syst. Entomol. 13:297; Pulkkinen 1989 Ann. Entomol. Fennici 55:42.
- *infrequens* (Ackl.) *Ab, N, Sa, Kb, Ok.* Michelsen 1988:301; Pulkkinen 1989:42.
- *laricicola* (Karl) *Ab, N, Sa.* Michelsen 1988:304; Pulkkinen 1989:42.
- Azelia monodactyla* Loew *Sa:* Punkaharju. Pont 1990 NE 69:215.
- *trigonica* Henn. *Sa:* Punkaharju. *ibid.*:215.
- **Phaonia taigensis* Zinovj. *N:* Helsinki (B.Mamaev). Zinovjev 1987 Entomol. Obozr. 66:440.
- Myospila bimaculata* (Macq.) *Sa:* Punkaharju. Pont 1990 Entomol. Fennica 1:154.
- Amobia oculata* (Zett.) (*signata* auct. nec (Meig.)) *St:* Yläne (Sahlberg). Pape 1987 NE 67:43.
- Miltogramma germari* Meig. *Sa:* Joutseno (Thuneberg). *ibid.*:43.
- *villeneuvei* Verves *Sa:* Joutseno, Lauritsala (Thuneberg). *ibid.*:43.
- Oebalia minuta* (Fall.) *Ta:* Vanaja (Valkeila). *ibid.*:44.
- Phronisella sannio* (Zett.) (*nasuta* auct. nec (Meig.)) Finland. *ibid.*:44.
- Metopia grandii* Vent. *Ab, Sa, Om.* *ibid.*:44.
- Heteronychia proxima* (Rond.) *N:* Espoo (Tuomikoski). *ibid.*:45.
- *vicina* (Macq.) *Al:* Åland (Palmén). *ibid.*:45.
- Thyrocneema kentejana* Rohdend. (*lapponica* Tiens.) (sp.dist.). *ibid.*:45.
- Present number: 5067 – 28 + 131 = 5170 spp.

Hymenoptera

Vikberg, V. 1986. A checklist of aculeate Hymenoptera of Finland (Hymenoptera, Apocrita Aculeata). — NE 66:65–85. — 601 spp.

Deletions

- Trichiosoma boreale* Guss. (= *T. vitellinae* (L.)) Viitasaari 1989 Ann. Entomol. Fennici 55:112.
- Pamphilus depressus* (Schr.) (= *P. vafer* (L.)) Achterberg & Aartsen 1986 Zool. Verhand. 234:44.
- Sterictophora sorbi* Kontun. (= *S. geminata* (Gmel.)) Koch 1988 Entomol. Abh. (Dresd.) 52:42.
- Monophadnoides puncticeps* (Konow) (= *Claremontia confusa* (Konow)) Koch 1988 Deutsche Entomol. Zeitschr. N.F. 35:315.
- Pontania crassipes* (Thoms.) (= *P. viminalis* (L.)) Kopelke 1989 Senckenbergiana biol. 69:35.
- Adelognathus fasciatus* Thoms. (= *A. tetracinctorius* (Thunb.)) Kasparyan 1986 Tr. Zool. Inst. 159:51.

- Plectiscidea melanocera* (Först.) (f.d., = *P. moerens* (Först.) & *P. amicalis* (Först.)) van Rossem 1987 Tijdschr. Entomol. 130:68, 71.
- Diospilus oleraceus* Halid. (= *D. capito* (Nees)) Tobias 1986 Opred. faune SSSR 145:157.
- Charmon cruentatus* Halid. (= *C. extensor* (L.)) *ibid.*:274.
- Agathis arcuata* (Reinh.) (= *Microdus conspicuus* Wesm.) Nixon 1986 Bull. Brit. Mus. Nat. Hist. (Entomol.) 52:255.
- Earinus delusor* (Wesm.) (= *E. gloriatorius* (Panz.)) *ibid.*:228.
- *nitidulus* (Nees) (= *E. elator* (F.)) *ibid.*:227.
- *thoracicus* (Nees) (= *E. elator* (F.)) *ibid.*:227.
- Apanteles difficilis* (Nees) (= *A. cajae* (Bouché)) Papp 1987 Ann. Hist.-Nat. Mus. Natn. Hung. 79:208.
- *nigrinervis* (Thoms.) (= *A. jucundus* Marsh.) *ibid.*:235.
- Rhytipolis caudatus* (Thoms.) (= *R. decorator* (Halid.)) Tobias 1986:67.
- *obscuripes* (Thoms.) (= *R. mediator* (Halid.)) *ibid.*:68.
- Ontsira ignea* (Ratz.) (= *O. imperator* (Halid.)) *ibid.*:43.
- Ecphyllus hylesini* (Ratz.) (= *E. silesiacus* (Ratz.)) *ibid.*:31.
- *pinicola* Hedqv. (= *E. silesiacus* (Ratz.)) *ibid.*:31.
- Acrisis koponeni* Tob. (= *A. brevicornis* Hellén) Belokobylski 1990 Vestn. Zool. 1990(6):36
- Bracon pumilionis* Rom. (= *B. variator* Nees). Tobias 1986:134.
- Ipobracon borealis* (Hellén) (= *I. nigrator* (Zett.)) *ibid.*:107.
- Alloxyta crassa* (Camer.) (= *A. macrophadna* (Hart.)) Fergusson 1986 Handb. Ident. Brit. Ins. 8(1c):10.
- *perplexa* (Camer.) (= *A. macrophadna* (Hart.)) *ibid.*:10.
- *picomaculata* (Camer.) (= *A. macrophadna* (Hart.)) *ibid.*:10.
- *defecta* (Hart.) (= *A. fulviceps* (Curt.)) *ibid.*:10.
- *castanea* (Hart.) (= *A. fulviceps* (Curt.)) *ibid.*:10.
- *nigriventris* (Thoms.) (= *A. fulviceps* (Curt.)) *ibid.*:10.
- *circumscripita* (Hart.) (= *A. victrix* (Westw.)) *ibid.*:11.
- *curvicornis* (Camer.) (= *A. victrix* (Westw.)) *ibid.*:11.
- *halterata* (Thoms.) (= *A. pedestris* (Curt.)) *ibid.*:11.
- Melanips femoralis* Camer. (= *M. opacus* (Hart.)) *ibid.*:12.
- Encyrtus obscurus* Dalm. (= *E. infidus* (Rossi)) Trjapitzin 1989 Opred. faune SSSR 158:372.
- Bethylus apteryx* Kieff. (f.d.) Vikberg 1986 NE 66:61.
- Chrysis westerlundii* Lins. (= *C. bicolor* Lep.) *ibid.*:62.
- *gribodoi* Ab. (f.d.) *ibid.*:62.
- *indigotea* Duf. & Perr. Recorded outside Finland. *ibid.*:62.
- Pterocheilus phaleratus* (Panz.) Recorded outside Finland. Pulkkinen 1926 NE 6:25; Vikberg 1986 NE 66:73.
- ! *Symmorphus mutinensis* (Bald.) (= *S. bifasciatus* (L.)) Cumming 1989 Mem. Entomol. Soc. Canada 148:57.
- Ancistrocerus gazella* (Panz.) (f.d., = *A. ichneumonideus* (Ratz.)) Vikberg 1986:74.
- ! *Spilomena differens* Blüthg. (= *S. curruca* (Dahlb.)) Dollfuss 1986 Ann. Naturh. Mus. Wien 88/89(B):488.
- ! *Nomada montana* (Mocs.) (*tormentillae* Alf.) (= *N. roberjeotiana* Panz.) Schwarz 1986 Entomofauna 7:460.

Additions

- Sirex atricornis* Kjellander (sp.dist.) *Ok:* Suomussalmi, "Lapland". Viitasaari & Midtgaard 1989 Ann. Entomol. Fennici 55:108.

- Trichiosoma laterale* Leach *Ta*: Lammi (Kontuniemi). Viitasaari 1989 Ann. Entomol. Fennici 55:113.
- *crassum* Kby. (*jakovleffi* Konow) "Northern Fennoscandia". *ibid.*:116.
- Pamphilius festivus* Pes. & Pes. *Ta*: Lammi (Kontuniemi). Shinohara & Taeger 1990 Bull. Nat. Sci. Mus. (Zool.), Tokyo 16:90.
- Pontania herbaceae* (Camer.) (*aquilonia* Bens.) (sp.dist.) Koppelke 1989 Senckenbergiana biol. 69:44.
- *polaris* Mal. (sp.dist.). *ibid.*:61.
- Endromopoda nigricoxis* (Ulbr.) (sp.dist.) Fitton, Shaw & Gauld 1988 Handb. Ident. Brit. Ins. 7(1):47.
- Tromatobia forsiusi* (Hellén) (sp.dist.). *ibid.*:57.
- Delomeristanovita europa* Gupta *Ab, Ka, Ta, Sa*. Jussila 1989 NE 69:75.
- *pfankuchi* (Brauns) *Li*: Utsjoki. *ibid.*:75.
- *frigida* Kasp. *Li*: Utsjoki (Koponen & Linnaluoto). *ibid.*:76.
- Dyspetes arrogator* Heinr. *Ka*: Virolahti. *ibid.*:76.
- Aclastus borealis* (Boh.) *Le*: Enontekiö. *ibid.*:78.
- *transversalis* Horstm. *Kl*: Parikkala. *ibid.*:78.
- *longicauda* Horstm. *Ab*: Turku, Sauvo, *Oa*: Vaasa. *ibid.*:78.
- Dichrogaster nigrithorax* Horstm. *N*: Helsinki (Townes), *St*: Yläne (Jussila). Townes 1983 Mem. Amer. Entomol. Soc. 35:113; Jussila 1989:78.
- *perlae* (Doumerc) *Al*: Vårdö (Koponen). Jussila 1989:79.
- *heteropus* (Thoms.) *Al, Ab, N*. *ibid.*:79.
- Gelis albipalpus* (Thoms.) *N*: Nurmijärvi, *Ta*: Heinola. Koponen 1988 NE 68:154.
- *fasciitinctus* (D.T.) *Sa*: Mikkeli. *ibid.*:154.
- *elymi* (Thoms.) *Al, Ab, Ka, Oa, Tb*. Jussila 1989:79.
- *linearis* (Först.) *St*: Yläne. *ibid.*:79.
- Isadelphus coriarius* (Taschb.) *Ab, Ka, Ta, Sa*. Jussila 1986 NE 66:127.
- Charitopes gastricus* (Holmgr.) *N*: Helsinki. Townes 1983:67.
- Endasys kriegeri* (Habermehl) (sp.dist.) *Ab, N*. Jussila 1986 NE 66:125.
- **Amphibulus fennicus* Sawon. *N*: Helsinki (Ranin, Perkiömäki & Koponen). Sawoniewicz 1990 Ann. Zool. (Warsz.) 43:288.
- Bathythrix argentatus* (Grav.) *Ab*: Nauvo, Sauvo. Jussila 1986 NE 66:125.
- *maculatus* (Hellén) (sp.dist.). Horstmann 1990 Entomol. Fennica 1:183.
- Theroscopus faciator* (Aub.) *Ta*: Urjala (Brander). Jussila 1986 NE 66:127.
- Phygadeuon rugipectus* Thoms. (sp. dist.). Jussila 1989:78.
- Stilpnus oligomerus* (Först.) *N*: Helsinki (Koponen), Porvoo (Koponen), *Sa*: Ristiina (Koponen). Jussila 1987 Ann. Entomol. Fennici 53:6.
- *dryadum* Curt. *Al*: Lemland, *Ta*: Lempäälä (Sotavalta). *ibid.*:7.
- *montanus* (Först.) *Ta*: Ruovesi (Saaristo). *ibid.*:8.
- *— *botnicus* Jussila *Al, Ab, N, Sa, Oa, Om*. *ibid.*:9.
- *rectangulus* Roman *Al, Ab, N, Ta*. *ibid.*:14.
- *parvulus* Först. *Al, Ab, N, Ta*. *ibid.*:14.
- Apsilops tenebrosus* Hellén (sp. dist.). Horstmann 1990 Entomol. Fennica 1:183.
- Caenocryptus melanarius* (Hellén) (sp. dist.). *ibid.*:183.
- Lissonota extrema* Hedw. *Ab, N*. Jussila 1989 NE 69:77
- Synoecetes anterior* (Thoms.) *Ta, Tb, Ok, Li*. Jussila 1986 NE 66:127.
- Synodites amoenus* (Roman) *Li*: Utsjoki (Hanhimäki). Jussila 1989:77.
- Dusona humilis* (Först.) *Al*: Lemland. Jussila 1986 NE 66:127.
- *thomsoni* Hinz *Ab*: Rymättylä (Euranto), *Ka*: Virolahti. *ibid.*:127.
- *angustifrons* (Först.) *Ab*: Sauvo. *ibid.*:128.
- *stenocara* (Thoms.) *Ka*: Virolahti. *ibid.*:128.
- *adriaansei* (Teun.) *Ab*: Sauvo, *Ta*: Lempäälä (Sotavalta). *ibid.*:128.
- *disclusa* (Först.) *Ok*: Kuhmo. *ibid.*:128.
- Tranosemella citrofrontalis* (Hedw.) *Ka, Oa, Tb*. Jussila 1986 NE 66:128.
- Enytus appositor* (Aub.) *Al, Ka*. Jussila 1986 NE 66:128.
- **Eriborus obscuripes* Horstm. *Ab*: Houtskär (Bruun). Horstmann 1987 Nachr. Bl. Bayer. Entomol. 36:64.
- Plectiscidea moerens* (Först.) (sp.dist.) van Rossem 1987 Tijdschr. Entomol. 130:68.
- *amicalis* (Först.) (*sodalis* (Först.)) (sp.dist.). *ibid.*:71.
- Dyscoletes lancifer* (Halid.) *Li*: Utsjoki (S.Koponen). Achterberg 1988 Zool. Verhand. 249:32.
- Orgilus temporalis* Tob. *Ab*: Nystad, *N*: Ekenäs, Lovisa. Taeger 1989 Die Orgilus-Arten der Paläarktisk, Berlin, p. 197.
- Earinus elator* (F.) (*nitidulus* (Nees), *thoracicus* (Nees)) Nixon 1986 Bull. Brit. Mus. Nat. Hist. (Entomol.) 52:227.
- Apanteles villanus* Reinh. Finland. Papp 1986 Ann. Hist.-Nat. Mus. Natn. Hung. 78:228.
- *ofella* Nixon Finland. *ibid.*:231.
- *berberis* Nixon Finland. *ibid.*:231.
- *orestes* Nixon Finland. *ibid.*:232.
- *— *peltoneni* Papp *N*: Helsinki, ex *Acronicta leporina* (E. Peltonen). Papp 1987 Ann. Hist.-Nat. Mus. Natn. Hung. 79:241.
- **Chelonus jacobsoni* Tobias *Sa*: Rajala (Adelung). Tobias 1986 Opred. faune SSSR 145:315.
- Alysiabrachycera* Thoms. *N*: Helsinki (Townes & Townes). Wharton 1986 Syst. Entomol. 11:468.
- Phaenocarpa canaliculata* Stelf. Finland. Tobias 1987 Opred. faune SSSR 147:141.
- *— *chiastochetæ* Fisch. *Ks*: Oulanka (Pellmyr). Fischer 1990 Ann. Naturh. Mus. Wien 91 B:114.
- *ruficeps* (Nees) *Lk*: Pallastunturi (Mihaly). *ibid.*:120.
- *— *pellmyri* Fisch. *Ks*: Oulanka (Pellmyr). *ibid.*:123.
- Pambolus pallipes* (Först.) Finland. Belokobylskij 1986 Tr. Zool. Inst. 159:34.
- Dendrosoter flaviventris* Först. (sp.dist.) Tobias 1986:41.
- Rhyssalus longicaudis* (Tob. & Belok.) Finland. Tobias 1986:37.

- Bracon fumipennis* Thoms. (sp.dist.). *ibid.*:131.
Ephedrus nacheri Quilis *N*: Helsingfors (Hellén). Gärdenfors 1986 *Entomol. Scand. Suppl.* 27:74.
 **Pseudopauesia prunicola* Halme *N, Sa, Oa*. Halme 1986 *Ann. Entomol. Fenn* 52:21.
 **Gasteruption margotae* Madl *St*: Suoniemi (Saarinen). Madl 1987 *Entomofauna* 8:225.
Melanips austriaca (Tavares) Finland. Pulkkinen 1989 *Ann. Entomol. Fennici* 55:44.
Endomychobius endomychi (Walk.) *Ta*: Pälkäne (J.Kangas). Vikberg 1986 *NE* 66:189.
Pannoniella sexramosa Erdős *Ta*: Sysmä. Vikberg 1986 *NE* 66:189.
Arthrollytus ocellus Walk. *Ta*: Janakkala. Vikberg 1986 *NE* 66:189.
Eumacepolus pulcher Grah. *Ta*: Janakkala. Vikberg 1986 *NE* 66:189.
Eucoccidophagus karelianus Shark. Finland. Trjapitzin 1989 *Opred. faune SSSR* 158:113.
Charitopus obscurus (Erd.) Finland. *ibid.*:114.
Coccidoxenoides peregrinus (Timberl.) Finland. *ibid.*:117.
Anagyrus securicornis Domen. Finland. *ibid.*:131.
 — *schoenherri* (Westw.) Finland. *ibid.*:134.
Microterys sylvius (Dalm.) Finland. *ibid.*:164.
 — [*Aschitus*] *problematicus* (Hoffer) *N*: Nurmijärvi. Jensen 1989 *Entomol. Scand.* 19:302.
 — *duplicatus* (Nees) Finland. Trjapitzin 1989:179.
 — [*Aschitus*] *aeneiventris* (Walk.) *Ta*: Janakkala (Vikberg), *Kb*: Kontiolahti (Vikberg). Jensen 1989:299.
Trichomasthus [Aschitus] zarina (Walk.) *N, Ta*. *ibid.*:315.
 — *danzigae* Trjap. *Ta*: Janakkala (Vikberg), *Kb*: Polvijärvi (Vikberg), Kontiolahti (Vikberg). Jensen & Sharkov 1989 *Entomol. Scand.* 20:46. Trjapitzin 1989:189.
Metablastothrix truncatipennis (Ferr.) Finland. Trjapitzin 1989:201.
Ooencyrtus solidus Khlop. Finland. *ibid.*:207.
Helegonatopus nikolskajae Hoff. Finland. *ibid.*:214.
 **Aenigmaphycus paluster* Shark. & Voin. *Kb*: Juuka (Koponen), *Le*: Enontekiö (Koponen). Sharkov & Voinovich 1988 *Entomol. Obozr.* 67:827.
Metaphycus zebratus (Merc.) Finland. Trjapitzin 1989:238.
 — *stagnarum* Hoff. Finland. *ibid.*:239.
 — *nitens* (Kurdj.) Finland. *ibid.*:241.
 — *ater* (Merc.) Finland. *ibid.*:242.
Mesaphycus picearum (Erd.) Finland. *ibid.*:247.
 **Psyllaephagus hyperboreus* Trjap. *Ab*: Vihti (Koponen). Trjapitzin 1986 *Tr. Zool. Inst.* 159:57.
 — *vendicus* (Erd.) Finland. Trjapitzin 1989:262.
Cercobelus jugaeus (Walk.) Finland. *ibid.*:266.
 **Mayridia helleni* Trjap. *N*: Helsinki, *Ta*: Hämeenlinna, Lammi. *ibid.*:283.
Ectroma arenarium (Erd.) Finland. *ibid.*:286.
Cheilonurus rediculus (Trjap. & Khlop.) Finland. *ibid.*:310.
 **Bothriothorax koponeni* Khlopunov *Sa*: Ruokolahti (Koponen), *Ob*: Pudasjärvi (Koponen). Khlopunov 1984 *Zool. Zh.* 63:940.
Trjapitzinellus obscurus (Merc.) Finland. Trjapitzin 1989:327.
 — *nigricornis* Hoff. Finland. *ibid.*:328.
Agekianella notatifemur (Hoff.) (*koponeni* Trjap.) *N*: Vantaa (Koponen). Trjapitzin 1981 *Zool. Zh.* 60:787. Trjapitzin 1989:328.
Cerchysiella centennalis (Erd.) Finland. Trjapitzin 1989:329.
Copidosoma clavigerum (Merc.) Finland. *ibid.*:345.
 — *aretas* (Walk.) Finland. *ibid.*:348.
 — *agrotis* (Fonsc.) Finland. *ibid.*:351.
Coelopencyrtus callidii (Janss.) Finland. *ibid.*:360.
Homalotyloidea novickyi Hoff. Finland. *ibid.*:366.
Isodromus flaviceps (Dalm.) Finland. *ibid.*:369.
Encarsia aleurochitonis (Merc.) *N, Ka, Ta*. Huldén 1986 *NE* 66:18.
 *— *borealis* Huldén *Ab, N, Ta, Sa, Kl, Kb*. *ibid.*:18.
 — *margaritiventris* (Merc.) *N*: Helsinki, Elimäki. *ibid.*:18.
 *— *moffsi* Huldén *N, Ta, Sa*. *ibid.*:19.
 **Eretmocerus zippanguiphagus* Huldén *N, Ta*. Huldén 1986 *NE* 66:19.
 **Euderomphale secreta* Huldén *N, Ta*. Huldén 1986 *NE* 66:20.
Derostenus punctiscuta Thoms. *Ab, N, Sa, Tb*. Hansson 1986 *Entomol. Scand.* 17:317.
Chrysonotomyia germanica (Erdős) Finland. Hansson 1990 *Entomol. Scand.* 21:35.
 — *lyonetae* (Ferr.) Finland. *ibid.*:36.
Neochrysocharis aratus (Walk.) Finland. *ibid.*:42.
 — *arvensis* Grah. Finland. *ibid.*:43.
 — *formosa* (Westw.) Finland. *ibid.*:47.
 — *nunbergi* (Szczep.) Finland. *ibid.*:49.
Chrysocharis chlora Grah. Finland. *ibid.*:50.
 **Amitus croesus* Huldén *N*: Esbo. Huldén 1986 *NE* 66:22.
 — *minervae* Silv. *N*: Helsinki. *ibid.*:23.
Arachnospila westerlundii (Moraw.) (*bohembabnormis* (Wolf)) *Sa*: Rantasalmi (Westerlund). Valkeila 1986 *NE* 66:62.
 !*Symmorphus allobrogus* (Sauss.) (*bifasciatus* auct.) *Al-Ks*. Cumming 1989 *Mem. Entomol. Soc. Canada* 148:83.
 !*Ancistrocerus gazella* (Panz.) *Al*: Eckerö. Pekkarinen & Perkiömäki 1987 *NE* 67:207.
Spilomena beata Bluthg. Finland. Vikberg 1986:76.
Psenulus gussakovskiji (v. Lith) (sp.dist.) Finland. *ibid.*:75.
Trypoxylon minus Beaum. (sp.dist.) Finland. *ibid.*:76.
 — *medium* Beaum. (sp.dist.) Finland. *ibid.*:76.
 !*Hylaeus pfankuchi* (Alfk.) *Al*: Hammarland. Lomholdt 1989 *NE* 69:57.
 !**Nomada fusca* Schwarz *Ab, N, Ta*. Schwarz 1986 *Entomofauna* 7:434.

Accidentally omitted from check-list

!*Crossocerus walkeri* (Shuck.) Forsius 1935 *Enum. Ins. Fenniae* 2(1):10.

Present number: 5547 – 43 + 140 = 5644 spp.