

## A survey of Opiinae (Hymenoptera, Braconidae) of Finland, part 1

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Faunistic records of 150 species of Opiinae are given mainly for Finland. 78 species are reported as new to Finland. The gross distributions and known hosts are mentioned. In Finnish collections were found 9 species new to Estonia, 7 to Greece, 2 to Netherlands, 9 to Poland, 2 to Russia, 5 to Sweden and 10 to the Canary Islands. *Oncophanes flaviceps* Hellén is a new synonym of *Opius (Aulonotus) piloscutum* Fischer. *Paraphytomyza fulvicornis* (Hendel) (Diptera, Agromyzidae) for *Opius (Utetes) rotundiventris* Thomson and *Phytomyza hendeli* Hering (Diptera, Agromyzidae) for *Opius (Cryptonastes) tersus* (Foerster). As suggested by the editors of Entomologica Fennica this article is divided in two parts. Of the 150 examined species are handled in this part and 80 in second part. The distribution maps for all 150 species as well as the list of references are in part two.

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### 1. Introduction

The first species of Opiinae from Finland were reported by Krogerus (1927) and Hellén (1946). After that, mainly Fischer has determined new Opiinae material from the Finnish Museum of Natural History, Zoological Museum, University of Helsinki (abbreviated MZH). Results of these determinations have been published by Fischer (from 1957) and Hellén (1958, 1959). According to the literature, 75 species were known from Finland. Frequently, collecting places and names of collectors have been mentioned but practically no collecting dates or host records.

Van Achterberg & Salvo (1997) proposed a

separation of a genus *Phaedrotoma* Foerster from *Opius* Wesmael, 1835, which was used by Fischer before on the basis of the shape of the mandible. They ascribe species with a derived mandible (e.g. with expansion on the lower margin near base) to *Opius* Wesmael, while the rest are called *Phaedrotoma* Foerster, 1962.

This idea was not new. Fischer thought of this possibility decades ago, but hesitated to publish it. In 1998, at which time he was not aware of the paper of van Achterberg and Salvo, he separated *Opius* Wesmael s.str. from *Utetes* Foerster, 1862 on the basis of the basal expansion of the mandible. However, in a forthcoming paper he decided to take back this decision for the time being, for

the following reasons: (a) more than 1000 species are described worldwide, which one would have to examine individually to see if they belong to one genus or another. The whole system for the identification of the taxa would be disturbed; (b) there are sometimes gradual transitions between the characters; (c) species which are very close to each other would be placed in different genera; and (d) the majority of the former *Opius* would go to *Phaerotoma* Fischer can not easily become familiar with this idea, but it is, however, not a genuine argument against the separation of two genera.

The host records are an assemblage of the data given in previous papers, either by Fischer or other authors. The great majority of the data was compiled by Fischer (1972). In the latter publication, one can trace back the sources of the records given (for example, page 436: *Opius* [H.] *latipes* Fischer: *Phytomyza cineracea* Hendel von *Ranunculus acris* L. [fide Fischer 1967]; or page 131: *Opius* [A.] *reconditor* Wesmael: *Rubiomyza xylostei* Robineau-Desvoidy [fide Rondani 1872], etc.).

## 2. Material

For this survey about 3000 specimens (1305 ♂ and 1692 ♀) of Opiinae from Finland have been investigated. The material is deposited mainly in the Department of Applied Zoology (abbreviated DAZH, curator M. Koponen) and the Finnish Museum of Natural History, Zoological Museum (MZH, A. Albrecht), University of Helsinki. Some specimens have also been found in the collections of the Department of Biology, Turku University (TUU, S. Koponen). The greater part of the data was determined by Fischer, with a lesser amount studied by M. Koponen.

The names of collecting places (without grid numbers), collecting dates (as far as known) and names of collectors are listed for 150 species found in Finland. A distribution of species is shown on maps. For gross distributions, new records of these species from other countries are also mentioned, based on material found in Finnish collections. The host records are mainly from the literature and files of Fischer, since the reared material from Finland is scanty.

The collecting dates for older specimens are usually not shown on the labels. Instead, there are often code number labels. The explanations for these numbers are in the diaries or date books of individual collectors. For this survey, Koponen has used the diaries (deposited in the MZH) of W. Hellén and some other collectors. Some diaries or date books, e.g. of Y. Hukkinen, V. Kanervo and J. Listo (with collections from the Agricultural Research Centre, Department of Pest

Investigation) are in the DAZH. Besides collection dates and more accurate place names, these sources may also provide interesting information about habitat or host records, which are most often missing from the pinned specimens.

## 3. Biology

Opiinae are solitary koinobiont endoparasitoids of Cyclorrhapha (Diptera) larvae. They often parasitize a late larval instar, but species are known to infest eggs and early instar larvae. The most-favored host families are Agromyzidae, Anthomyiidae, Tephritidae and Ephydriidae.

*Opius* (*Apodesmia*) *fulvicollis* Thomson, *O. (A.) nitidulator* (Nees), *O. (A.) ruficeps* Wesmael and *O. (A.) rufipes* Wesmael are parasitoids of the anthomyiid pests *Pegomya betae* (Curtis) and/or *Pegomya hyoscyami* (Panzer) on *Beta vulgaris*. These parasitoids appear most frequently during the periods of heavy infestations of beetroot cultivations. At other times, at least *Opius nitidulator* and *O. rufipes* seem to be rare. From 1901 to 1962 in Finland there has been 20 years with more or less heavy infestations, the most serious calamities were in 1923 and 1960 (Vappula 1962). In our insect collections, there are specimens of mentioned parasitoids from that 60-years period only from 16 years, 5 of which coincide with the years of heavy infestations. One reason for the small number of specimens in collections is casual collecting methods.

## 4. Distribution

Of the 150 species found in Finland, 66 species are found only in Europe, 61 also in Asia, 22 are Holarctic. 10 species are found also in Northern Africa and one even in South Africa.

Besides Finland, *Opius* (*Aulonotus*) *pilosiscutum* Fischer is known also in Algeria, *Opius* (*Misophthora*) *iuxtangelum* Fischer, *O. (Nosopoea)* *pirchitticola* Fischer and *O. (Adontopius)* *adentatus* Fischer also in Austria, *O. (Misophthora)* *caprifolii* Fischer also in Croatia, *O. (Utetes)* *curtipectus* Fischer also in the former Czechoslovakia, *O. (Nosopoea)* *sigmodus* Papp, *O. (Odontopoea)* *epulatus* Papp, *O. (Stomosema)* *gyoerfii* Fischer and *O. (Opius)* *circinus* Papp also in Hun-

gary, *O. (Hypocynodus) mongolaltaiensis* Fischer also in Mongolia, *O. (Opius) subpallipes* Tobias also in Moldova, *O. (Allophlebus) padidalis* Fischer, and *O. (Opiothorax) abditiformis* Fischer also in Slovakia, *O. (Agnopius) austriacus* Fischer also in Austria and Hungary, *O. (Nosopoea) diabolicus* Fischer also in Austria and Switzerland, *O. (Odontopoea) paranivens* Fischer also in the Canary Islands (Tenerife) and Hungary, *O. (Opius) gigapiceus* Fischer also in Czechia and Hungary, *O. (Opiothorax) minusculae* Fischer also in England and Hungary, *Opius (Opiothorax) dureseai* Fischer also in France and Hungary, *O. (Kainopaeopius) tscheki* Fischer also in Austria and Bulgaria, and *O. (Opiothorax) inflammatus* Fischer also in Austria, Greece and Hungary.

## 5. New species to Finland

The following 78 species are reported as new to Finland: *Opius (Xynobius) decoratus* Stelfox, *O. (X.) notabilis* Fischer, *O. (X.) rudis* Wesmael, *O. (Aulonotus) holconotus* Fischer, *O. (A.) pilosicutum* Fischer, *O. (Apodesmia) aethiops* Haliday, *O. (A.) karesuandensis* Fischer, *O. (A.) polyzonius* Wesmael, *O. (Opiognathus) pactus* Haliday, *O. (Utetes) aemulus* Haliday, *O. (U.) curtipectus* Fischer, *O. (U.) magnus* Fischer, *O. (U.) ochropus* Thomson, *O. (Nosopaeopius) aureliae* Fischer, *O. (N.) flavigaster* Fischer, *O. (Kainopaeopius) crassicus* Thomson, *O. (K.) speciosus* Fischer, *O. (K.) tscheki* Fischer, *O. (Cryptonastes) gracilis* Fischer, *O. (C.) minor* Fischer, *O. (C.) pygmaeus* Fischer, *O. (C.) tersus* (Foerster), *O. (Misophthora) caprifolii* Fischer, *O. (M.) iuxtangelum* Fischer, *O. (Agnopius) austriacus* Fischer, *O. (A.) heringi* Fischer, *O. (A.) similis* Szépliget, *O. (A.) similoides* Fischer, *O. (A.) tirolensis* Fischer, *O. (Allotypus) saevulus* Fischer, *O. (A.) saevus* Haliday, *O. (Nosopoea) celsus* Haliday, *O. (N.) maculipes* Wesmael, *O. (N.) pirchitticola* Fischer, *O. (N.) seebensteinensis* Fischer, *O. (N.) sigmodus* Papp, *O. (N.) tuberculifer* Fischer, *O. (N.) tuberculifer* Fischer ssp. *diabolicus* Fischer, *O. (N.) viennensis* Fischer, *O. (Odontopoea) connivens* Thomson, *O. (O.) epulatus* Papp, *O. (O.) paranivens* Fischer, *O. (Lissosema) parvungula* Thomson, *Opius (Opius) agromyzicola* Fischer, *Opius (Opius) breviscapus* Thomson, *O. (Opius)*

*caricivora* Fischer, *O. (O.) circinus* Papp, *O. (O.) subpallipes* Tobias, *O. (Phaedrotoma) pulchri-entris* Fischer, *O. (Allophlebus) fuscipennis* Wesmael, *O. (A.) padidalis* Fischer, *O. (A.) pulcherrimus* Fischer, *O. (A.) staryi* Fischer, *O. (Hypocynodus) crassipes* Wesmael, *O. (H.) mongolaltaiensis* Fischer, *O. (Adontopius) adentatus* Fischer, *O. (Opiothorax) abditiformis* Fischer, *O. (O.) dureseai* Fischer, *O. (O.) funebris* Wesmael, *O. (O.) inflammatus* Fischer, *O. (O.) minusculae* Fischer, *O. (O.) mirabilis* Fischer, *O. (O.) opacus* Fischer, *O. (O.) soenderupianus* Fischer, *O. (O.) turcicus* Fischer, *Psytalia concolor* (Szépliget), *P. rhafoleticola* (Sachtleben), *Eurytenes abnormis* (Wesmael), *E. campanariae* Fischer, *E. cubitalis* Fischer, *E. impatientis* Fischer, *E. vockerothi* Fischer, *Biosteres (Chilotrichia) punctiscuta* (Thomson), *B. (Biosteres) colorativentris* (Fischer), *B. (B.) magnicornis* (Wesmael), and *Desmiostoma parvulum* (Wesmael).

## 6. New species to other countries

In the DAZH and MZH there was found several species new to other countries. Below are listed only those species which have been found also in Finland. *Opius (Agnopius) similis* Szépliget, *O. (Nosopoea) celsus* Haliday, *O. (Opius) gigapiceus* Fischer, *O. (Odontopoea) connivens* Thomson, *O. (Lissosema) parvungula* Thomson, *O. (Opius) breviscapus* Thomson, *O. (Hypocynodus) latipes* Fischer, *O. (Opiothorax) magnicauda* Fischer, and *O. (Pendopius) pendulus* Haliday are new to Estonia. *Opius (Agnopius) similis* Szépliget, *O. (Opius) caricivora* Fischer, *O. (Phaedrotoma) diversus* Szépliget, *O. (Pendopius) pendulus* Haliday, *O. (Hypocynodus) crassipes* Wesmael, *O. (Opiothorax) inflammatus* Fischer, and *O. (O.) longicornis* Thomson are new to Greece. *Opius (Utetes) aemulus* Haliday and *O. (U.) rotundiventris* Thomson are new to Netherlands. *Opius (Utetes) caudatus* Wesmael and *O. (U.) coracinus* Thomson *O. (U.) trisulcus* Thomson *O. (U.) zelotes* Marshall, *O. (Kainopaeopius) crassicus* Thomson, *O. (Agnopius) tirolensis* Fischer, *O. (Nosopoea) circulator* (Nees), *O. (Opiothorax) magnicauda* Fischer, and *O. (O.) mirabilis* Fischer are new to Poland. *Opius (Nosopoea) altimontanus* Fischer and *Biosteres (Biosteres) magnicornis*

(Wesmael) are new to Russia. *Opius* (*Nosopoea*) *circulator* (Nees), *O.* (*Opius*) *agromyzicola* Fischer, *O.* (*Allophlebus*) *staryi* Fischer, *O.* (*Opiothorax*) *magnicauda* Fischer, and *O.* (*O.*) *spretus* Haliday are new to Sweden. *Opius* (*Apodesmia*) *nitidulator* (Nees), *O.* (*Nosopoea*) *maculipes* Wesmael, *O.* (*Tolbia*) *rudiformis* Fischer, *O.* (*Phaedrotoma*) *diversus* Szépligeti, *O.* (*Pendopius*) *pendulus* Haliday, *O.* (*Opiothorax*) *filicornis* Thomson, *O.* (*O.*) *levis* Wesmael, *O.* (*O.*) *longicornis* Thomson, *Eurytenes campanariae* Fischer, and *E. impatientis* Fischer are new to the Canary Islands of Spain.

## 7. Examined species

Tribus Ademonini

Genus *Ademon* Haliday

*Ademon* Haliday, 1833: 266.

Type species: *Bracon decrescens* Nees.

*Ademon decrescens* (Nees)

*Bracon decrescens* Nees, 1812: 35, ♀.  
*Rogas decrescens*; Nees 1818: 307.  
*Ademon decrescens*; Haliday 1833: 266; Hellén 1958: 15; Fischer 1959b: 253 (redescription); 1971a: 18; 1972: 91; Tobias 1986: 9.

*Distribution.* Austria, the former Czechoslovakia, England, Finland (map 1), Germany, Hungary, Italy, Poland, Russia, Spain, Sweden, Mongolia.

*Hosts.* Diptera, Ephydriidae: *Hydrellia argyrogenis* Becker on *Potamogeton perfoliatus*, *Hydrellia cochleariae* Haliday on *Potamogeton crispus* and *P. lucens*, *Hydrellia fascitibia* Roser on *Potamogeton lucens* and *Alisma plantago-aquatica*, *Hydrellia potamogeti* Hering on *Potamogeton* sp., *Hydrellia stratiotae* Hering on *Stratiotes aloides*; Agromyzidae: *Cerodontha* (*Icteromyza*) *geniculata* Fallén on *Eriophorum latifolium*.

*Material examined.* 3 ♀ from Finland (MZH, V. Vikberg), Ab: Karislojo = Karjalohja (W. Hellén); N: Esbo = Espoo (W. Hellén leg.); Ta: Janakkala, 28.9.1995 (V. Vikberg).

*Ademon mutuator* (Nees)

*Bracon mutuator* Nees ab Esenbeck, 1812: 55, ♂.

*Rogas mutuator*; Nees ab Esenbeck 1834: 221.  
*Ademon mutuator*; Marshall 1891: 13; Marshall 1894: 288, ♀ ♂; Hellén 1958: 15; Fischer 1959b: 255 (redescription); 1971a: 19; 1972: 65; Tobias 1986: 9.

*Remark.* It is not sure whether *A. mutuator* (Nees) is an independent species or a synonym for *A. decrescens* (Nees). It is possible that the differentiating character (sculpture on metasomal tergites) is within the range of variability of one species.

*Distribution.* Austria, Finland (map 2), Germany, Hungary, Corsica.

Reported from Finland (MZH) by Hellén (1958), Ab: Karislojo = Karjalohja; N: Munksnäs = Helsinki, Munkkiniemi; Ta: Sysmä; and Russian Karelia: Uslanka. We have seen only the ♂ specimen from Uslanka.

Tribus Opiini

Genus *Opius* Wesmael

*Opius* Wesmael, 1853: 115. Type species: *Opius pallipes* Wesmael (Wharton 1986: 369).

**Subgenus *Xynobius* Foerster**

*Xynobius* Foerster, 1862: 235. Type species: *Xynobius pallipes* Foerster. In the publication of 1862 the author's name, Förster, is written as Foerster.

*Opius* (*Xynobius*) *decoratus* Stelfox

*Opius decoratus* Stelfox, 1949: 307; Fischer 1971a: 60.

*Opius* (*Xynobius*) *decoratus*; Fischer 1972: 92 (redescription); Tobias 1986: 29.

*Distribution.* former Czechoslovakia, England, Finland (map 3), Hungary.

A new species to Finland.

*Host.* Unknown.

*Material examined.* 3 ♂ from Finland (TUU), Ab: Nauvo, 3.7.1948 (E. K. Lahtinen), Turku, 23.6.1948 (E. K. Lahtinen).

***Opius (Xynobius) notabilis* Fischer**

*Opius notabilis* Fischer, 1958a: 64, ♂; 1971a: 92.  
*Opius (Xynobius) notabilis*; Fischer 1972: 97;  
 Tobias 1986: 29.

*Distribution.* Finland (map 4), Hungary, Romania.

A new species to Finland.

*Host.* Unknown.

*Material examined.* 2 ♀ 2 ♂ from Finland (DAZH), Ab: Nauvo, Sandö, 19.7.1978 (M. Koponen); Om: Reisjärvi, 11.7.1980 (M. Koponen).

***Opius (Xynobius) rudis* Wesmael**

*Opius rudis* Wesmael, 1835: 141, ♀ ♂; Fischer 1958: 58 (key), 67 (redescription); Fischer 1971a: 106.

*Opius (Nosopoeus) rudis*; Thomson 1895: 2190.  
*Opius (Xynobius) rudis*; Fischer 1972: 88 (key), 98 (redescription); 1981b: 2 (distribution); Papp 1981c: 141; Tobias 1986: 26.

*Neopius carinaticeps* Gahan, 1917: 204.

*Distribution.* Austria, Belgium, former Czechoslovakia, England, Finland (map 5), France, Germany, Hungary, Ireland, Algeria, Morocco, North Korea, southern Canada, northern U.S.A.

New to Finland.

*Hosts.* Diptera, Agromyzidae: *Agromyza nigripes* Meigen on *Glyceria fluitans* and *Holcus lanatus*, *Agromyza megalopsis* Hering, *Agromyza* sp. on *Hordeum* sp.

*Material examined.* 1 ♀ from Finland (MZH), Sa: Imatra, 8.-11.6.1956 (Håkan Lindberg).

**Subgenus *Aulonotus* Ashmead**

*Holconotus* Foerster, 1862: 259. Type species: *Opius comatus* Wesm.

*Aulonotus* Ashmead, 1900: 368 (nom. nov. pro *Holconotus* Foerster).

***Opius (Aulonotus) comatus* Wesmael**

*Opius comatus* Wesmael, 1835: 145; Fischer 1958g: 249; Hellén 1959: 21; Fischer 1967b: 141; 1971a: 55; 1974: 82; Wharton 1987: 65.

*Holconotus comatus*; Foerster 1862: 259.

*Opius (Aulonotus) comatus*; Fischer 1972: 105; Papp 1979a: 75.

*Opius (Opius) comatus*; Jakimavicius 1973: 33 (distribution).

*Opius (Xynobius) comatus*; Tobias 1986: 31.

*Dapsilarhtra sulcifera* Papp, 1967: 209, ♀ (distribution). Synonymised by Fischer 1973 (1974): 48.

*Opius (Xynobius) flaviceps* auct.; Koponen & Tobias 1989: 24.

*Distribution.* Austria, Belgium, Denmark, England, Finland (map 6), France, Germany, Hungary, Ireland, Italy, Lithuania, Poland, Sweden, Israel, Mongolia, Japan, U.S.A. (Md., N.Y., S.C.).

Reported by Hellén (1957) from Finland: EH (Hauho), PH (Keuruu) and from Russia: Leningrad region (Sakkola).

*Host.* Unknown.

*Material examined.* 13 ♂ 27 ♀ from Finland (DAZH, MZH), Ab: Nådendal = Naantali, 2.8.1937 (W. Hellén), Perniö, 20.9.1994 (M. Koponen), Nystad = Uusikaupunki, 5.9.1917 (W. Hellén); N: Esbo, Grankulla, 4.8.1915 (W. Hellén), Espoo, 10.8.1980, 29.8.1981 (M. Koponen), Helsinki, 7.-16.9.1978 (M. Koponen), 27.-29.8.1982 (Y. Zhongqi), Kirkkonummi, 20.9.1975, 14.9.1980, 6.9.1989 (M. Koponen), Nurmijärvi, 5.7.1992, 13.8.-8.9.1994 (M. Koponen), Pernå = Pernaja, 14.-19.8.1945 (Å. Nordström), Sibbo, Nevas, 5.-10.8.1986 (A. Albrecht), Sipoo, 26.7.1981 (M. Koponen), Tammisaari, 13.8.1986 (M. Koponen), Tvärminne, 13.-30.7.1914 (W. Hellén); Ta: Loppi, 1.8.1982, Nastola, 17.8.1980 (M. Koponen); Sa: Ristiina, 6.9.1987 (M. Koponen); Tb: Rautalampi, 14.7.1983 (M. Koponen); Oba: Kuivaniemi, 18.7.1980 (M. Koponen).

***Opius (Aulonotus) holconotus* Fischer**

*Opius holconotus* Fischer, 1958g: 250, ♂; 1971a: 72.

*Opius (Aulonotus) holconotus*; Fischer 1972: 103 (key), 108 (redescription).

*Opius (Xynobius) holconotus*; Tobias 1986: 31.

*Distribution.* England, Finland (map 7), Hungary, Russia (Ural).

A new species to Finland.

*Host.* Unknown.

*Material examined.* 5 ♂ from Finland (DAZH, MZH), Obb: Simo, 17.7.1980 (M. Koponen); Li: Inari, Lemmenjoki, 4.7.1937 (W. Hellén leg.).

***Opius (Aulonotus) pilosiscutum* Fischer**

*Opius pilosiscutum* Fischer, 1962c: 96, ♀; 1971a: 100.

*Opius (Aulonotus) pilosiscutum*; Fischer 1972: 103 (key), 111 (redescription).

*Opius (Xynobius) pilosiscutum*; Tobias 1986: 31.

*Opius (Xynobius) comatus* auct.; Koponen & Tobias 1989: 24.

*Oncophanes flaviceps* Hellén, 1957: 44. New synonym. Praeoccupied by *Opius flaviceps* Gahan, 1915.

*Distribution.* Algeria, Finland (map 8).

*Host.* Unknown.

*Material examined.* 2 ♀ from Finland (DAZH, MZH), Ta: Hauho, 24.8.1941 (W. Hellén); Obb: Kemi, 12.8.1982 (M. Koponen).

**Subgenus *Apodesmia* Foerster**

*Apodesmia* Foerster, 1862: 259. Type species: *Apodesmia taeniata* Foerster.

*Therobolus* Foerster, 1862: 260. Type species: *Opius ruficeps* Wesmael.

***Opius (Apodesmia) aethiops* Haliday**

*Opius aethiops* Haliday, 1837: 212, ♀; Marshall 1891 :39, ♂; Fischer 1958g: 255; Hellén 1959: 21; Fischer 1971a: 40.

*Opius (Apodesmia) aethiops*; Fischer 1972: 118 (redescription), 1984a: 93 (key).

*Opius (Xynobius) aethiops*; Tobias 1986: 31, 34, 37 (key).

*Distribution.* Austria, former Czechoslovakia, Denmark, England, Estonia, Finland (map 9), France, Germany, Hungary, Ireland, Italy, Lithuania, Poland, Russia, Spain, Israel.

A new species to Estonia.

*Hosts.* Agromyzidae: *Cerodontha denticornis* Panzer or *Phytomyza milii* Kaltenbach.

*Material examined.* 123 ♂ and 76 ♀ from Finland (DAZH, MZH), Al: Hammarland, 29.6.1983 (M. Koponen), Jomala, Kungsö, 9.6.1939 (W. Hellén); Ab: Lohjan kunta, 16.5.1982, Nummi, 18.5.1979, Perniö, 3.5.1983, Turku, 19.5.1979 (M. Koponen), Nystad = Uusikaupunki, 26.7.1917 (M. Hellén), Vihti, 20.5.1984, Västanfjärd, 3.5.1983 (M. Koponen); N: Elimäki, 7.5.1982 (M. Koponen), Esbo, Hagalund, 24.5.1920 (W. Hellén),

Espoo, 30.5.1979, 11.5.1982, 5.5.1983, Hanko, 19.5.1984, 20.5.1989 (M. Koponen), Helsinge (W. Hellén), Helsinki, 26.5.1975, 23.5.1979, 6.6.1980, 5.5.1982, 15.-18.5., 16.6.1983, 25.5.1984 (M. Koponen), 22.5.1982 (Y. Zhongqi), Hoplax = Huopalahti (E. Lindqvist), Hyvinkää, 2.6.1979, 26.5.1982, 14.5.1983, 23.5.1987, Nurmijärvi, 10.5.1964, 18.5.1980, 30.5.-1.6.1982, 7.-21.5.1983, 13.-24.5.1984, 29.4.-3.5.1986, 17.5., 18.6.1987, 29.5.1988, 7.5.1989, 29.4.1990, 14.-31.5.1992, 7.5., 7.6.1994 (M. Koponen), Fredriksberg = Helsinki, Pasila (R. Frey), Pernaja, 9.5.1982 (M. Koponen), Porvoon mlk. 25.5.1982 (Y. Zhongqi), 3.6.1982 (M. Koponen), Sipoo, 24.5.-1.6.1983, Siuntio, 30.5.1979 (M. Koponen), Tikkurila, 25.5.1920 (J. Listo), Tuusula, 8.6.1975, 15.5.1977 (M. Koponen), Täcktom = Hanko, 9.6.1955 (V. Nyström), Vantaa, 20.5.1974 (M. Koponen); St: Eura, 16.6.1982, Mouhijärvi, 29.6.1993, Säköylä, 13.6.1982, Yläne, 19.6.1982 (M. Koponen); 'Iä: Hartola, 11.6.1987, Hattula, 28.5.1988, Hollola, 18.5.1991, Hämeenlinna, 7.6.1980, 22.5.1982, Janakkala, 26.5.1982, 28.5.1983, Juupajoki, 3.6.1987 (M. Koponen), 13.6.1982 (Y. Zhongqi), Lammi, 7.6.1980, Pälkäne, 23.5.1982, Tammela, 30.5.1993 (M. Koponen); Sa: Hirvensalmi, 5.6.1982 (M. Koponen), Joutseno, 25.6.1940, 30.5.1958 (E. Thuneberg), Lappeenranta, 26.6.1990, Mikkelin mlk., 17.5.1974, 21.5.1977, 1.6.1980, 8.-9.5.1982, 6.5.1990, Mäntyharju, 4.6.1982, Ristiina, 27.5.1979, 4.5.-1.6.1980, 8.5., 5.6.1982, 4.6.1983, 3.7.1987, 12.5.1989, 11.5.1991, 8.4., 8.5.1993 (M. Koponen); Kl: Parikkala, 7.7.1940 (W. Hellén); Tb: Vesanto, 28.6.1991 (M. Koponen); Sb: Lepävirta, 30.5.1865 (J. A. Palmén), 16.6.1988 (M. Koponen); Kb: Liperi, 24.6.1982 (M. Koponen); Ok: Paltamo, 4.-5.7.1991 (M. Koponen); Oba: Oulu (R. Frey), 29.5.1908 (Wuorentaus), 27.6.1982 (M. Koponen), Obb: Kemi, 6.7.1982 (M. Koponen); and 11 ♂ 6 ♀ from Estonia (DAZH).

***Opius (Apodesmia) fulvicollis* Thomson**

*Opius fulvicollis* Thomson, 1895: 2181, ♀ ♂; Hellén 1946: 132; Fischer 1958g: 256; 1971a: 67.

*Opius (Apodesmia) fulvicollis*; Fischer 1972: 117 (key), 121 (redescription); 1984a: 92 (key).

*Opius (Xynobius) fulvicollis*; Tobias 1986: 34.

*Opius cupidus* Gahan, 1919: 162 (♀). Synonymised by Fischer 1964a: 237.

*Distribution.* Belgium, Finland (map 10), Germany, Netherlands, Russia (Leningrad region), Sweden, Canada, U.S.A.

*Hosts.* Anthomyiidae: *Pegomya betae* (Curtis) and *P. hyoscyami* (Panzer) on *Beta vulgaris*. In Finland, reared from *Pegomya hyoscyami*. One example of rearings took place at the Agricultural Research Centre in Tikkurila. Leaves of sugar beet infested with *P. hyoscyami* larvae were taken from a field in Vihti, Selki, Södergård, 15.7.1929 by J. Listo. The samples were put in rearing pots with sand on the bottom. By 23.7.1929 all larvae had pupated, most of them in the sand, some in the rotting leaves. The rearing pots were placed in a cellar in winter time (16.12.1929-28.4.1930). About 850 flies and 20 wasps emerged. The first few wasps emerged at the beginning of September, but most after winter (6.6.-12.7.1930).

*Material examined.* 43 ♂ 42 ♀ from Finland (DAZH, MZH, TUU), Al: Eckerö, 12.7.1935 (A. Saarinen); Ab: Korppoo, 5.7.1948 (E. K. Lahtinen), Turku, 12.7.1935 (A. Saarinen), Nystad = Uusikaupunki, 23.6.1918 (M. Hellén), 7.7.1918, 6.8.1923 (W. Hellén), Vihti, 1930, reared (J. Listo); N: Hangö = Hanko (Berg, Wuorentaus), 1931, 4.7.1972 (W. Hellén), Täktom = Hanko, 12.8.1903 (U. Sahlberg), Helsingi, 19.7.1915 (W. Hellén), H:fors = Helsinki (R. Frey, R. Tuomikoski), Kirkkonummi, 24.7.1991 (M. Koponen), Tvärminne (Håkan Lindberg), 14.7.1932 (A. Nordman), Vantaa, 22.8., 5.9.1978 (M. Koponen); Ka: Kymi, 1930, reared (J. Listo); Ta: Loppi, 1927, reared (Y. Hukkinen, V. Kanervo), Tampere (Linnanieni); and 3 ♂, 1 ♀ from Russia (MZH), Leningrad region.

#### *Opius (Apodesmia) karesuandensis* Fischer

*Opius karesuandensis* Fischer, 1964c: 237 (key), ♀ ♂; 1971a: 79.

*Opius (Apodesmia) karesuandensis*; Fischer 1972: 117 (key), 123 (redescription); 1984a: 92 (key); Zaykov & Fischer 1983: 48.

*Opius (Xynobius) karesuandensis*; Tobias 1986: 31.

*Distribution.* Austria, Finland (map 11), Germany, Italy, Sweden, Canada (Yukon), U.S.A. (Alaska).

A new species to Finland.

*Host.* Unknown.

*Material examined.* 2 ♀ from Finland (DAZH, MZH), Ok: Paltamo (7142:554), 30.6.1991 (M. Koponen); Lkoc: Muonio, Pallasjärvi, 19.6.1953 (Wegelius leg.).

#### *Opius (Apodesmia) nitidulator* (Nees)

*Bracon nitidulator* Nees, 1834: 56 ♂.

*Opius nitidulator*; Haliday 1837: 213 ♀; Marshall 1891: 38, ♀ ♂; Hellén 1946: 133; Fischer 1958a: 43; 1958g: 261 (redescription); 1971a: 91.

*Opius (Apodesmia) nitidulator*; Fischer 1972: 118 (key), 135 (redescription); 1984a: 92 (key).

*Opius (Xynobius) nitidulator*; Tobias 1986: 34.

*Opius vittatus* Ruschka, 1915: 295, ♀ ♂. Synonymised by Fischer 1958g: 261.

*Distribution.* Austria, Belgium, the Canary Islands (Tenerife), Czechia, England, Finland (map 12), France, Germany, Hungary, Russia, Sweden, Tunisia, Canada (Alta., B.C., Ont., Sask.), U.S.A. (Cal., Colo., Wyo.).

A new species to the Canary Islands.

*Hosts.* Diptera, Anthomyiidae: *Pegomya betae* (Curtis) on *Beta vulgaris*, *Pegomya esuriens*-group, *Pegomya hyoscyami* (Panzer) on *Beta vulgaris* and *Atriplex hortensis* above *Iresine lindeni*, *Pegomya nigritarsis* (Zetterstedt), *Pegomya setaria* (Meigen). Calliphoridae: *Calliphora vomitoria* (Linnaeus), *Lucilia caesar* (Linnaeus). Muscidae: *Musca domestica* Linnaeus. Tachinidae: *Tachina* sp. We expect that some records are incorrect, either by misidentification of the parasitoids (for example, by confusion with similar Alysiniinae), or by misobservation from mixed rearings. *Material examined:* 8 ♂ ♀ from Finland (DAZH, MZH, TUU), Ab: Korppoo, 5.7.1948, Turku, 20.-22.6.1948 (E. K. Lahtinen); N: Hangö = Hanko, 12.7.1967, 9.7.1970 (W. Hellén), Helsinki, 31.7., 13.9.1978 with pitfall traps in a sugar beet field (A.-L. Varis), Tvärminne (E. Lindqvist); Kl: Parikkala, 13.6.1945 (W. Hellén); and 3 ♂ the Canary Islands, Tenerife (DAZH), 5.-7.4.1993 (M. Koponen leg.).

#### *Opius (Apodesmia) ocellatus* Wesmael

*Opius ocellatus* Wesmael, 1835: 146 ♂; Marshall 1894: 336 ♀ ♂; Fischer 1958g: 263 (redescrip-

tion); 1971a: 93; Hellén 1959: 22.

*Opius (Apodesmia) ocellatus*; Fischer 1972: 117 (key), 126 (redescription), 1981a: 229; 1984a: 92. *Opius (Xynobius) ocellatus*; Tobias 1977: 422; 1986: 31.

*Opius (Rhabdospilus) areolaris* Thomson, 1895: 2199, ♀ ♂. Synonymised by Fischer 1958g: 263. *Opius hungaricus* Szépligeti, 1896: 317, 383, ♀. Synonymised by Fischer 1958g: 263.

*Opius (Utetes) brutus* Papp, 1978b: 363, ♀. Synonymised by Fischer 1981a: 229.

*Distribution.* Austria, Belgium, England, Finland (map 13), Germany, Hungary, Italy, Sweden.

*Host.* Tephritidae: *Philophylla heraclei* (Linnaeus) on *Pastinaca sativa* and *Heracleum sphondylium*.

*Material examined.* 2♂ 4♀ from Finland (DAZH, MZH), Al: Finström, 7.7.1984 (M. Koponen), Föglö, 26.7.1936 (W. Hellén), Sund, 1.7.1983 (M. Koponen); N: Esbo = Espoo (R. Frey), Nurmijärvi, 5.8.1990 (M. Koponen); Kb: Liperi, 4.7.1994 (M. Koponen leg.).

#### *Opius (Apodesmia) polyzonius* Wesmael

*Opius polyzonius* Wesmael, 1835: 136, ♀; Marshall 1895: 320, ♀ ♂; Fischer 1958g: 266; 1971a: 100.

*Opius (Apodesmia) polyzonius*; Fischer 1972: 118 (key), 128 (redescription); 1984a: 93.

*Opius (Nosopoeus) polyzonius*; Thomson 1895: 2191, ♀.

*Nosopaeus (Opius) polyzonius*; Fulmek 1962: 29, 40, 49.

*Opius (Xynobius) polyzonius*; Tobias 1986: 36.

*Distribution.* Austria, Belgium, Czechia, Denmark, England, Finland (map 14), Germany, Italy, Poland, European Russia, Spain, Sweden, Canada (B.C., Ont., Sask.), U.S.A. (Md., Minn., N.D., N.Y.).

A new species to Finland.

*Hosts.* Agromyzidae: *Agromyza albitarsis* Meigen on *Alnus rotundifolia*; *Agromyza alnibetulae* Hendel, *Agromyza baetica* Griffiths on *Phragmites australis*; *Agromyza hendeli* Griffiths on *Phragmites australis*; *Agromyza lucida* Hendel, *Agromyza phragmitidis* Hendel on *Phragmites australis*; *Agromyza reptans* Fallén, *Agromyza* sp. on *Elymus repens* and *Phragmites australis*; *Agromyza spenceri* Griffiths, *Liriomyza strigata* Mei-

gen, *Trilobomyza labiatarum* Hendel on *Stachys officinalis*.

*Material examined.* 10♂ 12♀ from Finland (DAZH, MZH), Ab: Lojo = Lohja (Storå leg.); N: Espoo, 26.7.1983 (M. Koponen), Hangö = Hanko, 14.7.1977 (W. Hellén), 15.-20.8.1990 (A. Albrecht), Kirkkonummi, 23.5.1991 (M. Koponen), Nurmijärvi, 21.8.1976, 28.8.1982 (M. Koponen), Lappvik = Tammissaari, Lappohja (L. von Essen), Tuusula, 5.8.1975 (M. Koponen); Ta: Hattula, 1.8.1992 (M. Koponen), Jämsä, 27.8.1991 (M. Koponen); Sa: Mikkelin mlk., 23.6.1983 (M. Koponen); Tb: Keuruu, 18.-19.8.1928 (W. Hellén).

#### *Opius (Apodesmia) reconditor* Wesmael

*Opius reconditor* Wesmael, 1835: 134, ♀ ♂; Haliday 1837: 213, ♀ ♂; Fischer 1971a: 104.

*Opius (Apodesmia) reconditor*; Fischer 1972: 118 (key), 130 (redescription); 1984a: 93 (key).

*Opius (Xynobius) reconditor*; Tobias 1986: 34 (key).

*Distribution.* Belgium, Denmark, England, Finland (map 15), Greece, Hungary, Italy, Poland.

A new species to Finland and Greece.

*Hosts.* Agromyzidae: *Paraphytomyza luteoscutellata* (de Meijere) = *Phytomyza xylostei* auct., *Trilobomyza labiatarum* Hendel, *Trilobomyza verbasci* Bouché. The parasite is probably misidentified in every case.

*Material examined.* 1♂ from Finland (MZH), Oa: Lappfjärd (691:21), 16.7.1959 (G. Nordström leg.), and 1♂ from Greece (DAZH), Corfu: Ag. Spiridon, 26.4.1994 (M. Koponen leg.).

#### *Opius (Apodesmia) ruficeps* Wesmael

*Opius ruficeps* Wesmael, 1835: 143, ♀; Fischer 1958g: 269; 1971a: 107.

*Therobolus ruficeps*; Foerster 1862: 260; Kroggerus 1927: 47.

*Opius (Apodesmia) ruficeps*; Fischer 1972: 117 (key), 132 (redescription); 1984a: 92; Papp 1981c: 141.

*Opius (Xynobius) ruficeps*; Tobias 1986: 34.

*Opius rufipes*; Hellén 1946: 133, misidentified (corrected by Fischer 1958g).

*Distribution.* Austria, Belgium, former Czechoslovakia, Denmark, England, Finland (map 16),



France, Germany, Hungary, Italy, Russia (Leningrad region), Sweden, former Yugoslavia, North Korea.

*Hosts.* Anthomyiidae: *Pegomya betae* (Curtis) and *P. hyoscyami* (Panzer) on *Beta vulgaris*, *Pegomya terebrans* (Rondani) = *nigricornis* Strobl on *Cirsium* sp. and *Carduus* sp., *Pegomya nigrilaris* (Zetterstedt). Unknown host on *Chenopodium* sp. and *Datura stramonium*. In Finland, reared from *Pegomya hyoscyami* by J. Listo.

*Material examined.* 8♂ 12♀ from Finland (DAZH, MZH), Ab: Nystad = Uusikaupunki, 11.7.1918 (W. Hellén), Vihti, Selki, 1929, 1930 (J. Listo); N: Esbo = Espoo, 10.-17.7.1910 (W. Hellén), Hangö = Hanko, 12.7.1914 (W. Hellén), Helsinge = Helsinki rural municipality (W. Hellén), Lappvik = Tammisaari, Lappohja (L. von Essen), Tikkurila, 1930 (J. Listo), Tvärminne (Håkan Lindberg); Ta: Pälkäne, Ristikari, 23.6.1921 (M. Hellén); Sa: Joutseno, Muukkulansaari (W. Hellén); Tb: Keuruu, 1928 (W. Hellén); Kb: Ilomantsi, 21.7.1865 (E. Grönvik leg.), and 1♂, 2♀ from Russia (MZH), Leningrad region.

### *Opius (Apodesmia) rufipes* Wesmael

*Opius rufipes* Wesmael, 1835: 147, ♂; Marshall 1891: 48, ♀♂; Fischer 1958g: 272 (redescription); 1971a: 107.

*Opius (Therobolus) rufipes*; Thomson 1895: 2183, ♀♂.

*Opius (Apodesmia) rufipes*; Fischer 1972: 117 (key), 134 (redescription); 1984a: 92 (key).

*Opius (Xynobius) rufipes*; Tobias 1977: 422 (key); 1986: 34.

*Distribution.* Austria, Belgium, former Czechoslovakia, England, Finland (map 17), France, Germany, Hungary, Ireland, Italy, Norway, Poland, Russia (Leningrad region).

A new species to Finland.

*Hosts.* Agromyzidae: *Agromyza mobilis* Meigen, *Agromyza rufipes* Meigen. Anthomyiidae: *Pseudonupedia abbreviata* (Pokorny), *Pegomya acetosae* Robineau-Desvoidy, *Pegomya hyoscyami* (Panzer) on *Beta vulgaris*; *Pegomya nigrilaris* (Zetterstedt), *Pegomya setaria* (Meigen) on *Fallopia convolvulus*. Lonchaeidae: *Lonchaea nigra* Meigen. Tephritidae: *Philophylla heraclei* Linnaeus. Diptera gen. sp. on *Polygonum* "von

Mangold".

*Material examined.* 1♂ 4♀ from Finland (DAZH, MZH), Al: Eckerö, Öjen, 20.8.1939 (W. Hellén); N: Helsinki, 2.8.1979 (M. Koponen), Tikkurila, 27.6.1920 (Y. Hukkinen), 10.-15.7.1923 (J. Listo); Sa: Ristiina, 8.7.1979 (M. Koponen leg.), and 1♀ from Russia (MZH), Leningrad region; Lavansaari, Suisaari, 8.7.1932 (W. Hellén).

### Subgenus *Opiognathus* Fischer

*Opiognathus* Fischer, 1972: 140. Type species: *Opius pactus* Haliday.

### *Opius (Opiognathus) pactus* Haliday

*Opius pactus* Haliday, 1837: 212, ♀♂; Fischer 1971a: 94.

*Opius (Opiognathus) pactus*; Fischer 1972: 141 (key), 142 (redescription); 1986: 614 (key).

?*Opius (Therobolus) pactus*; Thomson 1895: 2182, ♀♂.

*Opius (Xynobius) pactus*; Tobias 1986: 36 (key). *Phaedrotoma pacta*; van Achterberg 1997: 63 (new combination, not applied here).

*Distribution.* Austria, Czechia, Denmark, England, Estonia, Finland (map 18), Germany, Hungary, Slovakia, Switzerland.

A new species to Finland and Estonia.

*Host.* Unknown.

*Material examined.* 1♂ from Finland (DAZH), N: Nurmijärvi, 22.6.1975 (M. Koponen leg.), and 1♂ from Estonia (DAZH), Pärnumaa: Massiaru, 4.6.1990 (M. Koponen leg.).

### *Opius (Opiognathus) propodealis* Fischer

*Opius propodealis* Fischer, 1958c: 299, ♀♂; 1971a: 101; Hellén 1959: 22; Papp 1979b: 355.

*Opius (Opiognathus) propodealis*; Fischer 1972: 141 (key), 144 (redescription); 1986: 614 (key); Papp 1980b: 207.

*Opius (Xynobius) propodealis*; Tobias 1986: 36 (key).

*Distribution.* Austria, England, Estonia, Finland (map 19), France, Germany, Italy, Poland, Russia, Sweden, former Yugoslavia, North Korea.

*Remark.* The dorsal groove of the mesoscutum is very small. Since this character varies to a

certain degree in the same way as others, it may more or less disappear in some minor variants. However, in most cases the sculpture on the propodeum may be sufficient to recognise the species.

*Hosts.* Agromyzidae: *Agromyza albitarsis* Meigen on *Populus nigra*, *Agromyza frontella* Rondani, *Agromyza nigrella* Rondani or *A. mobilis* Meigen on *Carduus crispus* L.; *Phytomyza sedicola* Hering on *Sedum telephium* ssp. *maximum*; *Phytomyza senecionis* Kaltenbach on *Senecio nemorensis*; *Liriomyza approximata* (Hendel) on *Daphne mezereum*; *Paraphytomyza luteoscutellata* (de Meijere) = *Rubiomyza xylostei* (auct.) on *Lonicera* sp. (*orientalis* = ambiguous!).

*Material examined.* 8♂ 3♀ from Finland (DAZH, MZH), N: Kyrkslätt = Kirkkonummi (R. Frey), Sipoo, 26.7.1981 (M. Koponen); St: Huitinen, 29.5.1993, Rauman mlk., 2.7.1986 (M. Koponen); Ta: Lammi, 12.7.1975, 23.8.1981 (M. Koponen); Sa: Mikkelin mlk., 5.6.1983, Ristiina, 4.7.1987, Rautjärvi, 29.6.1990 (M. Koponen); 1♂ 2♀ from Estonia (DAZH), Saaremaa: Asuka, 2.6.1990, Mõntu park, 31.5.1990 (M. Koponen); and 1♂ from Poland (DAZH), Bialowieza, 8.7.1988 (M. Koponen).

### Subgenus *Utetes* Foerster

*Utetes* Foerster, 1862: 261. Type species: *Opius testaceus* Wesmael.

According to Wharton (1987) *Utetes* is a genus. We prefer to retain it as a subgenus.

### *Opius (Utetes) aemulus* Haliday

*Opius aemulus* Haliday, 1837: 212, ♀; Fischer 1958g: 276, 278 (redescription); Fischer 1962a: 45 (♂ new); 1967b: 139; 1971a: 40.

*Opius (Utetes) aemulus*; Fischer 1972: 174 (key), 149 (redescription); 1981a: 227; Papp 1985: 206.

*Opius (Xynobius) aemulus*; Tobias 1986: 39 (key).

*Opius melbus* Papp, 1978: 367, ♀. Synonymised by Fischer 1981a: 227.

*Phaedrotoma aethiops*; van Achterberg 1997: 13.

*Distribution.* Austria, England, Finland (map 20), Germany, Hungary, Ireland, Italy, Netherlands, Spain.

A new species to Finland and Netherlands.

*Hosts.* Diptera, Agromyzidae: *Liriomyza con-*

*gesta* Becker on *Vicia sepium*, *Phytomyza ranunculi* (Schrank) ssp. *stolonigena* Hering on *Ranunculus repens*.

*Material examined.* 9♂ 21♀ from Finland (DAZH, MZH), N: Helsinki, 26.8.1975, 28.6., 19.8.1976, 18.9.1978, 15.9.1980, Nurmijärvi, 28.6., 23.8.1980, 27.8.1983, 22.6., 19.8., 5.9.1989, 5.8.1990, 18.6.1991, 24.6.1992, Sipoo, 24.5.1983, 26.9.1985 (M. Koponen); Ta: Janakkala, 26.5.1984, Lammi, 9.7.1975, 4.-12.7.1976, Nastola, 25.6.1994 (M. Koponen); Sa: Mikkelin mlk., 5.7.1980, Ristiina, 4.7.-16.8.1980 (M. Koponen leg.); Kb: Koli, Saivaara, 13.7.1962 (J. Grönvall leg.). Also 1♂ and 1♀ from Netherlands (MZH), dunes west of Leiden and Niewekoop, 15.-25.8.1951 (Lindberg leg.).

### *Opius (Utetes) caudatus* Wesmael

*Opius caudatus* Wesmael, 1835: 142, ♀; Hellén 1946: 133; Fischer 1958g: 280; 1964c: 245; 1971a: 52.

*Opius (Therobolus) caudatus*; Thomson 1895: 2184.

*Opius (Utetes) caudatus*; Fischer 1972: 148 (key), 150 (redescription); 1984a: 91 (key).

*Opius (Xynobius) caudatus*; Tobias 1986: 43.

*Opius (Therobolus) exsertus* Thomson, 1895: 2184, ♀♂. Synonymised by Fischer 1971a: 52.

*Opius exsertus*; Marshall 1898: 308, ♀♂.

*Opius (Utetes) exsertus*; Fischer 1972: 148 (key), 155 (redescription).

*Distribution.* Austria, Belgium, former Czechoslovakia, England, Finland (map 21), Germany, Hungary, Italy, Poland, western and central Russia, Sweden, Switzerland, former Yugoslavia, Japan.

A new species to Poland.

*Host.* Anthomyiidae: *Pegomya holostearae* (Hering).

*Material examined.* 17♂ 16♀ from Finland (DAZH, MZH), Al: Hammarland, 7.7.1984 (M. Koponen), Jomala (W. Hellén), Lemland, Granholmen, 10.7.1939 (W. Hellén), Sund, 4.7.1984 (M. Koponen); Ab: Villnäs = Askainen, Hannula, 23.8.1936, Houtskär, Viken, 6.6.1936, Nystad = Uusikaupunki, 1924 (W. Hellén); N: Hangö = Hanko, 14.7., 15.8.1981 (Kock & Perttula), 4.-12.7.1989 (A. Albrecht), Nurmijärvi, 26.7.1975, 5.8.1979, 28.6.1980, 19.6.1983, 14.7.1991 (M.

Koponen), Pernå = Pernaja, 19.8.1948 (Å. Nordström), Tvärminne, 14.-20.8.1972 (Karvonen); St: Reposaaari, 24.7.1950 (V. Lauro), Suoniemi, 14.8.1945 (V. Saarinen); Ta: Hattula (L. von Essen), 11.6.1921 (M. Hellén), Hauho, 24.8.1941 (W. Hellén), Lammi, 13.7.1976, Loppi, 12.7.1991 (M. Koponen); Sa: Suomenniemi, 23.7.1978 (M. Koponen); Kl: Parikkala, 16.7.1940 (W. Hellén); Tb: Keuruu, 4.8.1928 (W. Hellén); Kb: Ilomantsi, 14.7.1865 (E. Grönvik), and 1 ♀ from Poland (DAZH), Bialowieza, 9.7.1988 (M. Koponen leg.).

### *Opius (Utetes) coracinus* Thomson

*Opius coracinus* Thomson, 1895: 2185, ♀ ♂; Hellén 1946: 133; Fischer 1958g: 284; 1971a: 57.

*Opius (Utetes) coracinus*; Fischer 1972: 148 (key), 151 (redescription); 1984a: 91 (key).

*Opius (Xynobius) coracinus*; Tobias 1986: 43.

*Opius silvicola* Szépliget, 1896: 317, 383, ♂. Synonymised by Fischer 1958g: 284.

*Distribution.* Austria, former Czechoslovakia, Denmark, Finland (map 22), France, Hungary, Poland, Russia (Leningrad region), Sweden, former Yugoslavia, Turkey.

A new species to Poland.

*Host.* Unknown.

*Material examined.* 11 ♂ 14 ♀ from Finland (DAZH, MZH), Al: Brändö, 1921, Eckerö (W. Hellén), Geta, 5.7.1984 (M. Koponen), Lemland, Flaka, 14.6.1954 (Wegelius); Ab: Houtskär, 12.7.1936 (W. Hellén), Nauvo, Seili, 18.7.1978 (M. Koponen), Finby = Särkisalo, Nystad = Uusikaupunki, 13.7.1918 (W. Hellén); N: Hangö = Hanko, 20.7.1969, 11.7.1972, Helsinge = Helsinki rural municipality, 1915 (W. Hellén), Helsinki, 4.8.1976 (M. Koponen), Tvärminne, 13.-30.7.1914 (W. Hellén); Ta: Hämeenlinna, 20.7.1964 (M. Koponen); Sa: Mikkelin mlk., 15.8.1976, 25.6.1988, Ristiina, 23.6.1979, 23.6.1984, 23.7.1994 (M. Koponen); Kl: Parikkala, 9.-15.7.1940, 19.7.1942 (W. Hellén); 2 ♀ from Russia (MZH), Leningrad region, and 1 ♂ from Poland (DAZH), Bialowieza, 7.7.1988 (M. Koponen leg.).

### *Opius (Utetes) curtipectus* Fischer

*Opius curtipectus* Fischer, 1958g: 286, ♂; 1971a: 59.

*Opius (Utetes) curtipectus*; Fischer 1972: 147 (key), 153 (redescription).

*Opius (Xynobius) curtipectus*; Tobias 1986: 36 (key).

*Distribution.* former Czechoslovakia, Finland (map 23).

A new species to Finland.

*Material examined.* 1 ♀ from Finland (DAZH), N: Nurmijärvi (6711:377), 21.8.1987 (M. Koponen leg.).

### *Opius (Utetes) fasciatus* Thomson

*Opius (Opius) fasciatus* Thomson, 1895: 2179, ♀ ♂.

*Opius fasciatus*; Marshall 1898: 307 (redescription); Hellén 1946: 132; Fischer 1958g: 290; 1971a: 65.

*Opius (Utetes) fasciatus*; Fischer 1972: 147 (key), 158 (redescription).

*Opius (Xynobius) fasciatus*; Tobias 1986: 36.

?*Opius reconditor* Haliday, 1837 (nec Wesmael 1835): 213, ♀ ♂.

*Opius comparandus* Fischer, 1959h: 19, ♂. Synonymised by Fischer 1972: 158.

*Distribution.* former Czechoslovakia, Denmark, England, Finland (map 24), Italy, Russia, Sweden.

*Material examined.* 1 ♀ from Finland (MZH), Ab: Karislojo = Karjalohja, 8.7.1911 (W. Hellén leg.).

### *Opius (Utetes) hilaris* Fischer

*Opius hilaris* Fischer, 1962a: 36, ♀; 1971a: 72.

*Opius (Utetes) hilaris*; Fischer 1972: 147 (key), 149 (redescription); Fischer 1983: 14 (key); Papp 1978b: 367.

*Opius (Xynobius) hilaris*; Tobias 1986: 39 (key).

*Opius hostium* Fischer, 1964d: 6, ♀ ♂; 1971a: 73.

*Opius (Utetes) hostium*; Fischer 1972: 91 (key), 160 (redescription); Papp 1980b: 199. Synonymised by Fischer 1983.

By synonymising *hostium* with *hilaris*, the host records of the former species are to be added to those of the latter one.

*Distribution.* Austria, England, Finland (map 25), Germany, Hungary, Poland.

A new species to Finland.

*Hosts.* Agromyzidae: *Agromyza nigripes* Mei-

gen on *Glyceria maxima*; *Cerodontha* (*Dizygomyza*) *caricicola* (Hering) = *soenderupi* (Hering) on *Carex sylvatica*; *Cerodontha* (*Butomyza*) *caricivora* (Groschke) on *Carex sylvatica*; *Cerodontha* (*Poemyza*) *deschampsiae* (Spencer) on *Deschampsia caespitosa*; *Cerodontha* (*Phytagromyza*) *flavocingulata* (Strobl) on *Holcus lanatus*; *Cerodontha* (*Dizygomyza*) *iraeos* (Robineau-Desvoidy in Goureau) on *Iris pseudacorus*; *Cerodontha* (*Dizygomyza*) *luctuosa* (Meigen) on *Juncus effusus*; *Cerodontha luzulae* (Groschke) on *Luzula sylvatica*; *Cerodontha* (*Poemyza*) *pygmaea* (Meigen) on *Deschampsia caespitosa*; *Cerodontha silvatica* (Groschke) on *Luzula sylvatica*; *Paraphytomyza buhri* (de Meijere) on *Galium album* = *mollugo* auct.; *Liriomyza pusio* (Meigen), *Ophiomyia maura* (Meigen), *Phytomyza angelicae* Kaltenbach, *Phytomyza homogynae* Hendel, *Phytomyza montana* Groschke, *Phytomyza ramosa* Hendel, *Phytomyza scolopendrii* Robineau-Desvoidy on *Phyllitis scolopendrium*, *Phytomyza tussilaginis* Hendel.

*Material examined.* 13♂ 23♀ from Finland (DAZH, MZH), Al: Eckerö, 2.7.1984, Hammarland, 29.6.1983, 1.7.1984 (M. Koponen); Ab: Lohjan mlk., 31.7.1979 (M. Koponen); N: Helsinki, 4.8.1976, 24.7.1979, 30.8.1980, 8.9.1983, Kirkkonummi, 24.7.1991, Nurmijärvi, 2.9.1979, 23.-24.8.1980, 14.7.1982, 10.6.1985, 23.6.1986, 30.6., 22.7., 17.9.1987, 23.8.1992 (M. Koponen leg.), Pernå = Pernaja, 12.8.1945 (Å. Nordström), Porvoon mlk., 3.6.1982 (M. Koponen), Sibbo, Nevas, 4.-10.8.1985 (A. Albrecht), Siuntio, 20.8.1978, 29.8.1979, Tuusula, 11.9.1981 (M. Koponen); Ta: Janakkala, 9.7.1983, Korpilahti, 20.8.1986, Loppi 29.8.1993 (M. Koponen); Sa: Mikkelin mlk., 11.7.1981, 18.7.1987, Ristiina, 14.8.1976, 5.7.1987 (M. Koponen); Kb: Kitee, 19.7.1982 (M. Koponen); Om: Alajärvi, 18.8.1982, Ristijärvi, 3.7.1991 (M. Koponen); Obb: Simo, 17.7.1980 (M. Koponen leg.).

### *Opius* (*Utetes*) *magnus* Fischer

*Opius magnus* Fischer, 1958g: 292, ♀; 1971a: 85. *Opius* (*Utetes*) *magnus*; Fischer 1972: 147 (key), 166 (redescription); 1984a: 91 (key), 130 (syn.). *Opius* (*Xynobius*) *magnus*; Tobias 1977: 423 (key), 427; Tobias 1986: 41 (key). *Opius* (*Xynobius*) *sayanicus* Tobias, 1977: 423

(key), 427. Synonymised by Fischer 1984a: 130. *Opius scrutator* Tobias, 1977: 423 (key). Synonymised by Fischer 1983: 130.

*Distribution.* Austria, Finland (map 26), Germany, Hungary, Italy, Poland, Caucasus, Kazakhstan, Crimea.

A new species to Finland.

*Host.* Tephritidae: *Rhagoletis cerasi* (Linnaeus) or *Rhagoletis meigeni* Loew on *Berberis* sp.

*Material examined.* 4♀ from Finland (DAZH), N: Helsinki, 21.8.1967 (Karvonen), 28.7.1980, 10.8.1980, 20.7.1981 (M. Koponen leg.)

### *Opius* (*Utetes*) *ochropus* Thomson

*Opius ochropus* Thomson, 1895: 2185, ♀♂; Fischer 1971a: 93.

*Opius* (*Utetes*) *ochropus*; Fischer 1972: 147 (key), 168 (redescription); 1984a: 91.

*Opius* (*Xynobius*) *ochropus*; Tobias 1986: 41 (key).

*Distribution.* Finland (map 27), Russia?, Sweden.

A new species to Finland.

*Host.* Unknown.

*Material examined.* 1♂ from Finland (DAZH), N: Kirkkonummi, 23.7.1991 (M. Koponen leg.).

### *Opius* (*Utetes*) *rotundiventris* Thomson

?*Opius reconditor* var. 3, Wesmael 1835: 134, ♀. *Opius* (*Therobolus*) *rotundiventris* Thomson, 1895: 2182, ♀♂.

*Opius rotundiventris*; Hellén 1946: 133; Fischer 1958a: 45 (host); 1958g: 276 (key), 298 (redescription); 1971a: 106.

*Opius* (*Utetes*) *rotundiventris*; Fischer 1972: 147 (key), 169 (redescription).

*Opius* (*Xynobius*) *rotundiventris*; Tobias 1986: 39 (key).

*Distribution.* Austria, former Czechoslovakia, Denmark, England, Finland (map 28), France, Germany, Hungary, Netherlands, Poland, Russia, Sweden; Japan.

A new species to Netherlands.

*Hosts.* Agromyzidae: *Agromyza albitarsis* Meigen on *Populus balsamifera*; *Agromyza lyophaga* Hering on *Salix alba* L.; *Agromyza rufipes* Meigen on *Artemisia vulgaris* L.; *Phytomyza diversicornis* Hendel, *Phytomyza sedicola* Hering

on *Sedum telephium maximum*. In Finland reared from *Paraphytomyza fulvicornis* (Hendel) = *langei* (Hering) on *Salix* sp. by L. Tiensuu (new host).

*Material examined.* 11 ♂ 8 ♀ from Finland (DAZH, MZH), N: Degerö, 28.6.1945 (A. Saarinen), Helsinki, 13.9.1978, 26.6., 30.8.1980, 20.7.1981, 27.9.1982, Nurmijärvi, 14.9.1980, Tammisaari, 14.8.1986 (M. Koponen), Tvärminne, 24.-31.7.1990 (A. Albrecht); Ta: Hattula (L. von Essen), Hauho, 15.8.1935, 15.8.1941 (W. Hellén); Sa: Mikkeli, 24.7.1982 (M. Koponen); Kb: Tohmajärvi, 22.7.1982 (M. Koponen); 1 ♀ from Netherlands (MZH), dunes west of Leiden, 25.8.1951 (Lindberg leg.); and 1 ♀ from Russia (MZH), Karelia: Impilaks (F. W. Woldstedt).

### *Opius (Utetes) trisulcus* Thomson

*Opius (Therobolus) trisulcus* Thomson, 1895: 2184, ♀ ♂.

*Opius trisulcatus*; Dalla Torre 1898: 66; Marshall 1898: 308 (redescription); Hellén 1946: 133; Fischer 1958g: 301 (redescription); 1971a: 118; Papp 1980: 22, 23 (key, distribution); 1981a: 129. *Opius (Utetes) trisulcus*; Fischer 1972: 148 (key), 174 (redescription); 1984a: 91 (key); Papp 1978a: 147, 148 (taxonomy).

*Opius (Xynobius) trisulcus*; Tobias 1986: 41.

*Distribution.* Austria, former Czechoslovakia, Denmark, Finland (map 29), France, Germany, Hungary, Italy, Lithuania, Poland, Sweden.

A new species to Poland.

*Host.* Agromyzidae: *Phytobia* sp. on *Quercus robur* (cited as *pedunculata*).

*Material examined.* 12 ♂ 4 ♀ from Finland (DAZH, MZH), Al: Mariehamn, 3.7.1948 (A. Nordman); N: Helsinki rural municipality, 15.8.1968 (V. J. Karvonen), Helsinki, 14.8.1968 (W. Hellén), 26.7., 21.8.1980 (M. Koponen), Nurmijärvi, 22.6.1975, 23.8.1980, 17.-18.7.1981, 19.6.1983, 17.8.1985, Porvoo mlk., 26.8.1979 (M. Koponen); Ta: Hämeenlinna, 10.6.1921 (M. Hellén); and 1 ♂ 2 ♀ from Poland (DAZH), Białowieża, 7.7.1988 (M. Koponen leg.).

### *Opius (Utetes) truncatus* Wesmael

*Opius truncatus* Wesmael, 1835: 137, ♀ ♂; Marshall 1891: 43 (redescription); 1894: 329 (redescription); Hellén 1946: 133; Fischer 1958g: 303

(redescription); 1971a: 119; Papp 1980a: 222 (key, distribution).

*Opius (Therobolus) truncatus*; Thomson, 1895: 2180 (redescription).

*Opius (Utetes) truncatus*; Fischer 1972: 148 (key), 175 (redescription), 1984a: 91; Papp 1978a: 147. *Opius (Xynobius) truncatus*; Tobias 1977: 423 (key); 1986: 41 (key, distribution).

*Distribution.* Austria, Belgium, former Czechoslovakia, Denmark, England, Finland (map 30), Germany, Poland, Russia, Sweden, Switzerland; Armenia, Mongolia.

*Hosts.* Tephritidae: *Trypeta artemisiae* Fabricius on *Tanacetum parthenium* and *Artemisia vulgaris*; *Trypeta* sp.

*Material examined.* 1 ♂ 9 ♀ from Finland (DAZH, MZH), N: Hangö = Hanko (W. Hellén), Nurmijärvi, 7.8., 28.8.1980, 8.7., 18.7.1981 (M. Koponen); St: Reposaaari, 24.7.1950 (V. Lauro); Ta: Sääksmäki, 1930 (E. Kivirikko); Sa: Mikkelin mlk., 10.8.1987 (M. Koponen); Kl: Parikkala, 10.8.1942 (W. Hellén); Tb: Keuruu, 1928 (W. Hellén), and 2 ♂, 2 ♀ from Russia, Leningrad region.

### *Opius (Utetes) zelotes* Marshall

*Opius zelotes* Marshall, 1891: 40, ♂; 1894: 326; Szépligeti 1904: 166; Fischer 1958: 274 (redescription); 1971a: 123.

*Opius (Apodesmia) zelotes*; Fischer 1972: 118 (key), 139 (redescription).

*Opius (Utetes) zelotes*; Fischer 1982: 32.

*Opius (Xynobius) zelotes*; Tobias 1986: 39.

*Opius exsertus*; Fischer, 1958g: 289 (not Thomson, 1895); Hellén 1959: 22.

*Opius insertus* Fischer 1971a: 76; 1964e: 65 (host). Synonymised by Fischer 1982: 32.

*Opius (Utetes) insertus*; Papp 1978b: 363.

*Host:* Diptera, Anthomyiidae: *Pegomya holostae* (Hering) (?).

*Distribution.* Austria, former Czechoslovakia, England, Finland (map 31), France, Germany, Poland, Sweden.

A new species to Poland.

*Material examined.* 9 ♂ 9 ♀ from Finland (DAZH, MZH), Al: Lemland, Flaka, 14.6.1954 (Wegelius); N: Helsinki, 20.8.1975 (M. Viitasaari), 11.7.1979, 18.7.1989, 20.7.1981 (M. Koponen), Kirkkonummi, 24.7.1991, Nurmijärvi, 17.7.,

9.8.1981, 23.8.1992, 16.7.1994 (M. Koponen); Ta: Forssa (R. Tuomikoski); Sa: Mikkelin mlk., 11.7.1981, Taipalsaari, 3.7.1975 (M. Koponen); and 2♂ 1♀ from Poland (DAZH), Bialowieza, 7.7.1988 (M. Koponen leg.).

### Subgenus *Nosopaeopus* Fischer

*Nosopaeopus* Fischer, 1972: 206. Type species: *Opius ochrogaster* Wesmael.

#### *Opius (Nosopaeopus) aureliae* Fischer

*Opius aureliae* Fischer, 1957c: 343, ♀; 1967b: 139; 1974: 82.

*Opius (Nosopaeopus) aureliae*; Fischer 1972: 206 (key), 211 (redescription); 1986: 609; Papp 1979a: 73.

*Opius (Cryptonastes) aureliae*; Tobias 1986: 49 (key).

*Biosteres aureliae*; Wharton 1988: 351.

*Distribution.* Austria, former Czechoslovakia, Finland (map 32), Russia, U.S.A. (Washington).

A new species to Finland.

*Host.* Unknown.

*Material examined.* 2♂ 3♀ from Finland (DAZH), Ab: Perniö, 20.9.1994; N: Helsinki, 1.-8.9.1978; Sa: Mikkelin mlk., 22.8.1975 (all M. Koponen leg.).

#### *Opius (Nosopaeopus) flavigaster* Fischer

*Opius flavigaster* Fischer, 1957c: 348, ♂; 1971a: 66.

*Opius (Nosopaeopus) flavigaster*; Fischer 1972: 206 (key), 218 (redescription); 1986: 609.

*Opius (Cryptonastes) flavigaster*; Tobias 1986: 45 (key).

*Distribution.* Finland (map 33), Hungary, Romania.

A new species to Finland.

*Host.* Unknown.

*Material examined.* 1♂ 1♀ from Finland (MZH), Ab: Pojo, Äminne, 14.7.1965 (M. Meinander leg.).

### Subgenus *Kainopaeopus* Fischer

*Kainopaeopus* Fischer, 1986: 609. Type species: *Opius crassicus* Thomson.

#### *Opius (Kainopaeopus) crassicus* Thomson

*Opius crassicus* Thomson, 1895: 2193, ♀; Fischer 1971a: 58.

*Opius (Nosopaeopus) crassicus*; Fischer 1972: 206 (key), 214 (redescription); Papp 1982a: 243.

*Opius (Kainopaeopus) crassicus*; Fischer 1986: 610.

*Opius (Cryptonastes) crassicus*; Tobias 1986: 50 (key).

*Opius nigricinctus* Fischer, 1957c: 353, ♀. Synonymised by Fischer 1971a: 58.

*Distribution.* Austria, Bulgaria, former Czechoslovakia, Finland (map 34), Hungary, Poland, Romania, Russia (Leningrad region), Sweden.

A new species to Finland and Poland.

*Host.* Unknown.

*Material examined.* 26♂ 23♀ from Finland (DAZH), Ab: Västana fjärd, 6.8.1982 (M. Koponen); N: Espoo, 4.9.1979, 29.8.1981, 25.7.1983, Helsinki, 19.-29.8.1976, 20.7.1981, 2.-22.8.1982 (M. Koponen), 14.8.1982 (Y. Zhongqi leg.), Nurmijärvi, 23.7.1980, 30.7.1982, 27.8.1983, 31.7., 15.9.1984, 13.8.1987, Sipoo, 26.7.1981, Siuntio, 30.8.1981, Vantaa, 31.7.1975 (M. Koponen); St: Nakkila, 10.8.1992, Rauma, 1.7.1976 (M. Koponen); Sa: Mikkelin mlk., 10.7.1981, 31.7.-3.8.1983, 30.7.1990, Puumala, 6.9.1981, Ristina, 14.8.1976, 6.9.1981, 20.8.1983, 19.7.1987, Valkeala, 28.7.1977; Tb: Rautalampi, 15.-19.7.1983 (M. Koponen); Sb: Pielavesi, 28.6.1989, Tervo, 18.7.1983 (M. Koponen); Kb: Liperi, 4.8.1993 (M. Koponen); Oba: Ii, 11.8.1982 (M. Koponen); and 1♂ from Poland (DAZH), Bialowieza, 6.7.1988 (M. Koponen leg.).

#### *Opius (Kainopaeopus) tscheki* Fischer

*Opius tscheki* Fischer, 1957c: 357, ♂; 1971a: 119; 1977: 363 (holotype designated).

*Opius (Nosopaeopus) tscheki*; Fischer 1972: 207 (key), 226 (redescription).

*Opius (Kainopaeopus) tscheki*; Fischer 1986: 610.

*Opius (Allotypus) tscheki*; Tobias 1986: 52 (key).

*Distribution.* Austria, Bulgaria, Finland (map 35).

A new species to Finland.

*Material examined.* 1♂ from Finland (DAZH), Ta: Janakkala (6754:369), 12.9.1982 (M. Kopo-

nen leg.).

### Subgenus *Cryptonastes* Foerster

*Cryptonastes* Foerster, 1862: 260. Type species: *Cryptonastes tersus* Foerster.

#### *Opius* (*Cryptonastes*) *curvatus* Fischer

*Opius curvatus* Fischer, 1957b: 213; 1964d: 3 (re-description); 1971a: 59.

*Opius* (*Cryptonastes*) *curvatus*; Fischer 1972: 180 (key), 187 (redescription); Papp 1982a: 243; Fischer 1984b: 37 (key); Tobias 1986: 49.

*Distribution.* Armenia, Austria, Estonia, Finland (map 36), Germany, Hungary, Italy, Kazakhstan, Romania, Russia, Sweden.

*Hosts.* Diptera, Agromyzidae: *Phytomyza angelicae* Kaltenbach and *Phytomyza angelicastris* Hering on *Angelica sylvestris*, *Phytomyza heracleana* Hering on *Heracleum sphondylium*, *Phytomyza obscurella* Fallén? on *Aegopodium podagraria*.

A new species to Finland and Estonia.

*Material examined.* 5 ♂ 6 ♀ from Finland (DAZH), Al: Finström, 7.7.1984; N: Helsinki, 28.6., 20.7.1976, 12.8.1977, 11.7.1978, Nurmi-järvi, 14.6., 27.8.1983; EH: Lammi, 8.7.1975; Sa: Ristiina, 4.6.1983 (all M. Koponen leg.); and 1 ♂ 1 ♀ from Estonia (DAZH), Saaremaa: Kübassaare, 30.5.1990, Lihulinna, 2.6.1990 (M. Koponen leg.).

#### *Opius* (*Cryptonastes*) *gracilis* Fischer

*Opius gracilis* Fischer, 1957c: 337, ♀ ♂; 1971a: 70.

*Opius* (*Cryptonastes*) *gracilis*; Fischer 1972: 179 (key), 191 (redescription); 1982: 26; 1984b: 37 (key); Papp 1981c: 152; Tobias 1986: 49 (key, distribution).

*Distribution.* Austria, Bulgaria, north Caucasus, former Czechoslovakia, Denmark, England, Finland (map 37), France, Hungary, Kazakhstan, Poland, Russia, Switzerland, former Yugoslavia.

A new species to Finland.

*Hosts.* Diptera, Agromyzidae: *Liriomyza* sp. on *Scorzonera purpurea*, *Liriomyza strigata* (Meigen) on *Pisum sativum*, *Phytomyza atricornis* Meigen on *Centaurea jacea*, *Phytomyza origani*

Hering, *Phytomyza pulsatillae* Hering or *Agromyza* sp. on *Medicago sativa*, *Phytomyza silai* Hering on *Silaum silaus*. Unknown host from leaf mine on *Peucedanum cervaria*.

*Material examined.* 2 ♂ 4 ♀ from Finland (DAZH), N: Nurmi-järvi, 16.8.1992; Ta: Nastola, 22.6.1980; Sa: Mikkelin mlk., 29.7.1980; Kb: Tohmajärvi, 21.7.1982; Ks: Kuusamo, 4.7.1979 (all M. Koponen leg.).

#### *Opius* (*Cryptonastes*) *minor* Fischer

*Opius minor* Fischer, 1957b: 219; 1971a: 88.

*Opius* (*Cryptonastes*) *minor*; Fischer 1972: 179 (key), 197 (redescription); 1984b: 38.

*Opius* (*Cryptonastes*) *gracilis* Fischer var. *minor*; Tobias 1986: 49 (key, distribution).

*Distribution.* Austria, former Czechoslovakia, Denmark, England, Finland (map 38), Germany, Italy, Russia, Spain, Sweden, Switzerland, central Ural, Mongolia, Uzbekistan, Tunisia.

A new species to Finland.

*Hosts.* Diptera, Agromyzidae: *Agromyza bicophaga* Hering on *Vicia tetrasperma*, *Agromyza genistae* Hendel on *Genista tinctoria*, *Amauromyza* (*Trilobomyza*) *gyrans* (Fallén), *Liriomyza congesta* (Becker) on *Trifolium dubium*, *Liriomyza* sp. on *Centaurea jacea*, *Phytomyza ferulae* Hering ssp. *dauci* Spencer on *Daucus* sp., *Phytomyza sphondylii* Robineau-Desvoidy, *Paraphytomyza luteoscutellata* (de Meijere) = *xylostei* (auct.).

*Material examined.* 7 ♂ 25 ♀ from Finland (DAZH), Al: Finström, 5.7.1984; Ab: Nauvo, Seili, 17.7.1978; N: Nurmi-järvi, 31.8.1979, 19.6.1983, 9.7., 15.9.1984, 27.8.1985, 1.8.1987, 9.7.1991, 25.7.1992, 20.5.1993, 17.7.1994; St: Eura, 7.7.1981, Nakkila, 10.8.1992, Rauman mlk., 2.7.1986; Ta: Janakkala, 24.8.1980, Lammi, 13.7.1976, Nastola, 17.8.1980; Sa: Mikkelin mlk., 24.7.1976, 5.7., 17.8.1980, 23.6.1983, 30.7.1990, Ristiina, 26.8.1978, 21.6.1985, 6.7., 6.9.1987; Kl: Rautjärvi, 30.6.1990; Tb: Äänekoski, 18.8.1982; Ks: Kuusamo, 3.7.1979; Lkoc: Kittilä, 8.7.1989 (all M. Koponen leg.).

#### *Opius* (*Cryptonastes*) *pygmaeus* Fischer

*Opius pygmaeus* Fischer, 1962c: 98, ♀ ♂; 1971a: 103.

*Opius* (*Cryptonastes*) *pygmaeus*; Fischer 1972:

179 (key), 198 (redescription); 1984b: 37 (key); Tobias 1986: 45 (key, distribution).

*Distribution.* Austria, England, Estonia, Finland (map 39), France, Hungary, Kazakhstan, Russia, northern Caucasus, Algeria.

A new species to Finland and Estonia.

*Host.* Diptera, Agromyzidae: *Phytomyza adjuncta* Hering.

*Material examined.* 14♂ 26♀ from Finland (DAZH), Al: Eckerö, 7.7.1984, Finström, 7.7.1984, Jomala, 9.7.1984, Saltvik, 28.6.1983 (M. Koponen); Ab: Nauvo, Seili, 17.7.1978, Perniö, 6.8.1982, Vihti, 11.7.1982 (M. Koponen); N: Helsinki, 10.8.1975, 25.8.1982, 25.8.1992, Nurmijärvi, 5.8.1975, 11.6.1979, 3.8.1982, 13.7.1985, 28.5.-9.6.1989, 13.8.1994 (M. Koponen); St: Rauman mlk., 2.7.1986 (M. Koponen); Ta: Hämeenlinna, 22.8.1981, Hattula, 24.5.1975 (E. Valkeila), Heinolan mlk., 5.-25.6.1983, Janakkala, 2.8.1975, 25.6.1984, 12.6.1988 (M. Koponen); Sa: Ristiina, 5.8.1978, 6.7.1987, 21.7.1989 (M. Koponen); Kl: Parikkala, 30.6.1990 (M. Koponen); Kb: Liperi, 24.6.1982, Tohmajärvi, 23.7.1982 (M. Koponen); Ok: Ristijärvi, 3.7.1991 (M. Koponen); Oba: Utajärvi, 14.8.1982 (M. Koponen); Lkor: Sodankylä, 30.7.1993 (M. Koponen); Li: Inari, 6.7.1989 (M. Koponen leg.); and 1♂ 2♀ from Estonia (DAZH), Saaremaa: Lihulina, 2.6.1990 (M. Koponen leg.).

### *Opius (Cryptonastes) radialis* Fischer

*Opius radialis* Fischer, 1957c: 341, ♂; Hellén 1959: 22; Fischer 1967a: 344; 1971a: 104.

*Opius (Cryptonastes) radialis*; Fischer 1972: 180 (key), 200 (redescription); 1984b: 37 (key); Papp 1979a: 88; Tobias 1986: 49 (key).

*Distribution.* Austria, Finland (map 40), Hungary.

*Host.* Unknown.

*Material examined.* 1♀ from Finland (MZH), Al: Lemland, Flaka, 12.-24.8.1954 (Håkan Lindberg leg.).

### *Opius (Cryptonastes) tersus* (Foerster)

*Cryptonastes tersus* Foerster, 1862: 260.

*Opius tersus*; Fischer 1964c: 431; 1971a: 116.

*Opius (Cryptonastes) tersus*; Fischer 1972: 179 (key), 203 (redescription); Tobias 1986: 45, 58.

*Opius consors* Fischer, 1957c: 334, ♀♂. Synonymised by Fischer 1964c: 431.

*Distribution.* Austria, Estonia, Finland (map 41), Germany, Hungary, Russia, North Africa, North Korea.

A new species to Finland and Estonia.

*Hosts.* Diptera, Agromyzidae: *Liriomyza pisivora* Hering on *Pisum sativum*, *Phytomyza scotica* Hendel on *Salvia pratensis*, *Amauromyza (Trilobomyza) flavifrons* (Meigen) on *Silene latifolia* ssp. *alba*. In Finland reared from *Phytomyza hendeli* Hering by L. Tiensuu.

*Material examined.* 7♂ 3♀ from Finland (DAZH, MZH), Al: Lemland, 6.7.1984 (M. Koponen); Ab: Vihti, 21.5.1989 (M. Koponen); N: Helsinki, 17.7.1951 (L. Tiensuu), Nurmijärvi, 10.7.1982, 19.6.1984, 28.5.1989 (M. Koponen); Ta: Hartola, 10.6.1987 (M. Koponen); Kl: Parikkala, 29.6.1990 (M. Koponen); Kb: Tohmajärvi, 21.7.1982 (M. Koponen), and 1♂ from Estonia (DAZH), Saaremaa: Mäebe, 31.5.1990 (M. Koponen leg.).

### Subgenus *Misophthora* Foerster

*Misophthora* Foerster, 1862: 267. Type species: *Misophthora laevigata* Foerster.

### *Opius (Misophthora) caprifolii* Fischer

*Opius caprifolii* Fischer, 1967a: 327, ♀.

*Opius (Misophthora) caprifolii*; Fischer 1972: 229 (key), 238 (redescription).

*Opius (Allotypus) caprifoliae*; Tobias 1986: 55 (key).

*Distribution.* Croatia, Finland (map 42).

A new species to Finland.

*Host.* Diptera, Agromyzidae: *Paraphytomyza luteoscutellata* (de Meijere) = *xylostei* (auct.) on *Lonicera caprifolium*.

*Material examined.* 1♂ from Finland (DAZH), Ta: Hattula, 1.8.1992 (M. Koponen leg.).

### *Opius (Misophthora) instabilis* Wesmael

*Opius instabilis* Wesmael, 1835: 126, ♀♂; Fischer 1958d: 249; 1971a: 76.

*Opius (Misophthora) instabilis*; Fischer 1972: 230 (key), 247 (redescription); 1982: 27, 30.

*Opius (Allotypus) instabilis*; Tobias 1986: 52



(key).

*Opius fallax* Szépligeti, 1896: 315, 381 ♀; Fischer 1958d: 247; 1971a: 65; Hellén 1959: 22. Synonymised by Fischer 1982: 27.

*Opius (Misophthora) fallax*; Fischer 1972: 228 (key), 243.

[*Opius monticola* Szépligeti, 1898: 392, 404, ♀. Synonymy dissolved by Fischer 1982: 23 (key), 31 (redescr.).]

**Distribution.** Austria, Belgium, former Czechoslovakia, England, Finland (map 43), France, Germany, Hungary, Italy, Russia, Sweden, Kazakhstan (Akmolinsk), North Africa.

**Remark.** Since there have been synonymical alternations, it is not sure that the above-recorded distribution is correct.

**Hosts.** Diptera, Agromyzidae: *Agromyza spiraeae* Kaltenbach on *Potentilla repens*, *Phytomyza ramosa* Hendel on *Knautia arvensis*.

**Material examined.** 1 ♂ 3 ♀ from Finland (DAZH, MZH), Al: Sund, 1.7.1983 (M. Koponen); N: Elimäki, 21.6.1981, Nurmijärvi, 20.7.1975 (M. Koponen); Sa: Mikkelin mlk., 17.8.1976 (M. Koponen leg.).

#### *Opius (Misophthora) iuxtangelum* Fischer

*Opius (Misophthora) iuxtangelum* Fischer, 1978: 47, ♀.

*Opius (Allotypus) iuxtangelum*; Tobias 1986: 58.

**Distribution.** Austria, Finland (map 44).

A new species to Finland.

**Host.** Unknown.

**Material examined.** 1 ♀ from Finland (DAZH), N: Nurmijärvi (6715:376), 23.8.1980 (M. Koponen leg.).

#### *Opius (Misophthora) pulicariae* Fischer

*Opius pulicariae* Fischer, 1969b: 67, ♀ ♂; 1971a: 102.

*Opius (Misophthora) pulicariae*; Fischer 1972: 228 (key), 260 (redescription).

*Opius (Allotypus) pulicariae*; Tobias 1986: 55.

*Opius pulicariae*; Perepetchayenko 1994: 37 (distribution)

**Distribution.** Austria, Finland (map 45), Germany, Hungary, Switzerland, Ukraine, Armenia. A new species to Finland.

**Hosts.** Diptera, Agromyzidae: *Ophiomyia pu-*

*licaria* (Meigen) on *Picris hieracioides*. and *Taraxacum officinale*, *Phytomyza atricornis* Meigen on *Picris hieracioides*, *Phytomyza ranunculi* (Schrank) on *Ranunculus acris*, *Phytomyza virgaureae* Hering.

**Material examined.** 2 ♂ 5 ♀ from Finland (DAZH, MZH), N: Nurmijärvi, 25.7.1986, 20.5.1990, 9.7.1994 (M. Koponen); Ta: Lammi, 15.7.1975 (M. Koponen); Kb: Liperi, 3.7.1994 (M. Koponen); Ks: Kuusamo, 4.7.1979 (M. Koponen); Le: Enontekiö, Kilpisjärvi, 4.9.1964 (U. Erikson leg.).

#### Subgenus *Agnopius* Fischer

*Agnopius* Fischer, 1982: 21. Type species: *Opius similis* Szépligeti.

#### *Opius (Agnopius) austriacus* Fischer

*Opius austriacus* Fischer, 1958d: 242, ♀.

*Opius (Misophthora) austriacus*; Fischer 1972: 228 (key), 232 (redescription).

*Opius (Agnopius) austriacus*; Fischer 1982: 22.

*Opius (Allotypus) austriacus*; Tobias 1986: 55.

**Distribution.** Austria, Finland (map 46), Hungary.

A new species to Finland.

**Host.** Unknown.

**Material examined.** 1 ♂ from Finland (DAZH), Ta: Lahti, 23.6.1988 (M. Koponen leg.).

#### *Opius (Agnopius) basirufus* Fischer

*Opius basirufus* Fischer, 1958d: 245, ♀; 1959f: 423; Hellén 1959: 21; Fischer 1967b: 139; 1971a: 46; 1974: 82.

*Opius (Misophthora) basirufus*; Fischer 1972: 229 (key), 234 (redescription).

*Opius (Agnopius) basirufus*; Fischer 1982: 22.

*Opius (Allotypus) basirufus*; Tobias 1986: 59.

*Opius nodatus* Fischer, 1958d: 257, ♀ ♂. Synonymised by Fischer 1971a: 46.

**Distribution.** Austria, Bulgaria, England, Finland (map 47), France, Hungary, Poland, Russia, Turkey.

**Hosts.** Diptera, Agromyzidae: *Agromyza genistae* Hendel, *Amauromyza (Trilobomyza) gyrans* (Fallén) on *Campanula trachelium*, *Liriomyza centaureae* Hering on *Centaurea nigra*, *Liriomyza*

*flaveola* (Fallén) on *Festuca gigantea*, *Phytomyza affinis* Fallén on *Cirsium acaulon*, *Phytomyza bellidina* Hering on *Bellis sylvestris*, *Phytomyza milii* Kaltenbach on *Holcus lanatus*, *Phytomyza myosotidis* Nowakowski on *Myosotis sylvatica*, *Phytomyza periclymenii* de Meijere on *Lonicera periclymenium* L.; *Phytomyza loniceræ* Robineau-Desvoidy = *xylostei* (Kaltenbach) on *Symphoricarpus rivularis*.

*Material examined.* 7♂ 19♀ from Finland (DAZH, MZH), Al: Hammarland, 29.6.1983 (M. Koponen); N: Espoo, 25.8.1979, 10.8.1980, Helsinki, 15.8.-4.9.1978, 28.8., 26.9.1979, Mäntsälä, 2.10.1987, Nurmijärvi, 2.9.1978, 16.5.-2.6.1979, 16.6.1985, 1.7.1992 (M. Koponen), Sibbo, Nevas, 8.-28.7.1985 (A. Albrecht); St: Huitinen, 29.5.1993 (M. Koponen); Ta: Heinolan mlk., 5.6.1983, Janakkala, 12.6.1983 (M. Koponen); Sa: Mikkelin mlk., 30.7.1990, Ristiina, 14.8.1976 (M. Koponen); Tb: Keuruu, 1928 (W. Hellén), Rautalampi, 19.7.1983 (M. Koponen); Kb: Liperi, 3.7.1994 (M. Koponen).

### *Opius (Agnopius) heringi* Fischer

*Opius heringi* Fischer, 1962d: 82, ♂; 1971a: 72. *Opius (Misophthora) heringi*; Fischer 1972: 229 (key), 245 (redescription).

*Opius (Agnopius) heringi*; Fischer 1982: 23.

*Opius (Allotypus) heringi*; Tobias 1986: 58 (key, distribution).

*Distribution.* Austria, Finland (map 48), Germany, Ireland; Mongolia.

*Host.* Diptera, Agromyzidae: *Phytomyza loniceræ* Robineau-Desvoidy on *Lonicera xylosteum*, *Phytomyza tenella* Hering on *Pedicularis palustris*, *Phytomyza aprilina* Goureau = *lonicerella* (Hendel) on *Lonicera periclymenium*.

*Material examined.* 3♂ 3♀ from Finland (DAZH), N: Nurmijärvi, 16.6.1985, 17.7., 3.8.1994; Ta: Hattula, 1.8.1992; Sa: Kerimäki, 24.7.1982, Ristiina, 22.7.1994 (all M. Koponen leg.).

### *Opius (Agnopius) rex* Fischer

*Opius rex* Fischer, 1958d: 255, ♀; Hellén 1959: 22; Fischer 1959f: 423 (distribution, ♂); 1971a: 104.

*Opius (Misophthora) rex*; Fischer 1972: 228 (key),

262 (redescription); Papp 1980b: 210.

*Opius (Agnopius) rex*; Fischer 1982: 22, 27.

*Opius (Allotypus) rex*; Tobias 1986: 44.

*Distribution.* Austria, Crete, former Czechoslovakia, Denmark, England, Finland (map 49), France, Germany, Romania, Russia, Sweden, former Yugoslavia, Mongolia, North Korea.

*Hosts.* Diptera, Agromyzidae: *Agromyza albipennis* Meigen on *Phalaris arundinacea* and *Arrhenatherum elatius* (L.), *Agromyza lucida* Hendel on *Deschampsia caespitosa*, *Agromyza nigripes* Meigen on *Agrostis canina*, *Agromyza phragmitidis* Hendel on *Phragmites australis*, *Agromyza* sp. on *Elymus repens*, Agromyzidae gen. sp. on *Calamagrostis canescens*, *Cerodontha (Poemyza) incisa* (Meigen) on *Agropyron repens* (L.) and *Calamagrostis epigeios* (L.) Roth, *Cerodontha (Poemyza) ?incisa* (Meigen) on *Deschampsia caespitosa*, *Cerodontha (Poemyza) pygmaea* (Meigen) on *Deschampsia caespitosa* and *Festuca sylvatica*, *Cerodontha (Poemyza)* sp. on *Deschampsia caespitosa*, *Cerodontha (Poemyza) lapplandica* (Rydén) = *tatrica* Nowakowski on *Calamagrostis arundinacea*, *Dizygomyza* sp. on *Deschampsia caespitosa*, *Liriomyza flaveola* (Fallén) on *Festuca gigantea* (L.) Vill., *Liriomyza ?pusilla* (Meigen) on *Hieracium umbellatum*, *Ophiomyia* sp. near *pulicaria* (Meigen) on *Picris hieracioides*, *Paraphytomyza heringi* (Hendel) on *Fraxinus excelsior*, *Phytomyza astrantiae* Hendel on *Astrantia major*, *Phytomyza campanulae* Hendel on *Phyteuma orbiculare*, *Phytomyza heracleana* Hering on *Heracleum sphondylium*, *Phytomyza homogyneae* Hendel on *Homogyne alpina*, *Phytomyza hoppi* Hering on *Aster bellidiastrum*, *Phytomyza milii* Kaltenbach on *Deschampsia caespitosa*, *Poa alpina* and *Sesleria tatrae*, *Phytomyza obscurella* Fallén on *Aegopodium podagraria*, *Phytomyza senecionis* Kaltenbach on *Senecio nemorensis fuchsii*, *Phytomyza sonchi* Robineau-Desvoidy, *Phytomyza* sp. on *Petasites albus*, *Phytomyza tussilaginis* Hendel.

*Material examined.* 6♂ 19♀ from Finland (DAZH, MZH), Ab: Lohjan kunta, 19.6.1992, Nauvo, Seili, 18.7.1978 (M. Koponen), Vihti (R. Frey); N: Helsinki, 14.8.1975, Nurmijärvi, 16.5.1979, 28.6.1980, 22.7.1987 (M. Koponen), Sibbo, Nevas, 29.6.-13.7.1986 (A. Albrecht), Siuntio, 20.8.1978 (M. Koponen); Ka: Miehikkälä, 19.6.1979 (M. Koponen); Ta: Korpilahti,

19.8.1986, Lahti, 15.8.1980, Lammi, 27.8.1984 (M. Koponen), Pälkäne, 16.7.1976 (A.-J. Syrjänen): Sa: Mikkelin mlk., 7.7.1978, Ristiina, 23.6.1979 (M. Koponen); Tb: Keuruu, 22.7.1928 (W. Hellén), Vesanto, 28.6.1991 (M. Koponen); Kb: Liperi, 3.7.1994, Polvijärvi, 5.7.1994 (M. Koponen); Li: Inari, Ivalo, 25.6.1937 (W. Hellén leg.).

### *Opius (Agnopius) similis Szépliget*

*Opius similis* Szépliget, 1898: 392, 405, ♀; Fischer 1958d: 257; 1962a: 60 (♂ new); 1963: 12 (new syn.).

*Opius (Misophthora) similis*; Fischer 1972: 229 (key), 267 (redescription).

*Opius (Agnopius) similis*; Fischer 1982: 22.

*Opius (Allotypus) similis*; Tobias 1986: 59.

*Opius similiformis* Fischer, 1957b: 224, ♂. Synonymised by Fischer 1963a: 12

**Distribution.** Austria, England, Estonia, Finland (map 50), France, Germany, Greece, Hungary, Poland, Russia, Sweden, Turkey, former Yugoslavia, Kazakhstan.

A new species to Estonia, Finland and Greece.

**Hosts.** Diptera, Agromyzidae: *Agromyza anthracina* Meigen, *Agromyza genistae* Hendel, *Agromyza spiraeae* Kaltenbach on *Filipendula ulmaria*, Agromyzidae gen. sp. on *Calamagrostis* sp., *Cerodontha (Dizygomyza) caricicola* (Hering) = *soenderupi* (Hering) on *Carex hudsonii*, *Cerodontha silvatica* Groschke, *Cerodonta (Dizygomyza) bimaculata* (Meigen) on *Luzula pilosa*, *Cerodonta (Dizygomyza) chaixiana* Groschke, *Cerodonta (Dizygomyza) morosa* (Meigen), *Liriomyza amoena* (Meigen) on *Sambucus nigra*, *Liriomyza centaureae* Hering on *Centaurea nigra*, *Liriomyza pascuorum* (Meigen), *Metopomyza violiphaga* (Hendel), *Ophiomyia maura* (Meigen) on *Solidago virgaurea*, *Paraphytomyza buhri* (de Meijere) on *Galium mollugo*, *Phytomyza alpina* Groschke on *Senecio jacobaea* L., *Phytomyza angelicae* Kaltenbach on *Angelica sylvestris*, *Phytomyza aprilina* Goureau = *lonicerella* (Hendel), *Phytomyza astrantiae* Hendel on *Astrantia major*, *Phytomyza atricornis* Meigen on *Centaurea jacea*, *Phytomyza bellidina* Hering on *Bellis silvestris* and *Bellis* sp., *Phytomyza campanulae* Hendel on *Campanula scheuchzeri* and *C. rotundifolia*, *Phytomyza lappae* Goureau = *lap-*

*pina* Robineau-Desvoidy on *Arctium* sp., *Phytomyza marginella* Fallén = *sonchi* Robineau-Desvoidy on *Hieracium* sp. *sabaudum*-group, *Phytomyza obscurella* Fallén on *Aegopodium podagraria*, *Phytomyza ramosa* Hendel on *Knautia arvensis*, *Phytomyza sedicola* Hering on *Sedum maximum*, *Phytomyza solidaginis* Hendel on *Solidago virgaurea*, *Phytomyza tanacetii* Hendel on *Chrysanthemum cinerariifolium*, *Phytomyza tus-silaginis* Hendel on *Tussilago farfara* L., *Phytomyza periclymenii* de Meijere and *Phytomyza loniceriae* Robineau-Desvoidy = *xylostei* Kaltenbach on *Lonicera periclymenium*, *Phytomyza loniceriae* Robineau-Desvoidy on *Lonicera orientalis* and *Symphoricarpos racemosus*, *Amauromyza (Trilobomyza) labiatarum* (Hendel) on *Ballota nigra*. In Finland, reared from *Phytomyza virgaureae* Hering by L. Tiensuu.

**Material examined.** 13♂ 11♀ from Finland (DAZH, MZH), N: Helsinki, 24.8.1976, Nurmijärvi, 23.8.1980, 30.6., 12.7.1987, 11.6.1988, 22.6.1989, 14.7.1991, 28.7.1994 (M. Koponen), Sibbo, Nevas, 8.-15.7.1985 (A. Albrecht); Ka: Miehikkälä, 19.6.1979 (M. Koponen); St: Huit-tinen, 29.5.1993, Yläne, 14.6.1982 (M. Koponen), Ta: Hattula, 1953 (L. Tiensuu); Sa: Hirvensalmi, 6.8.1978, Kerimäki, 21.7.1982, Mikkelin mlk., 3.8.1983, 18.7.1987 (M. Koponen); Kb: Liperi, 4.8.1993, Tohmajärvi, 21.7.1982 (M. Koponen); Om: Vimpeli, 5.7.1985 (M. Koponen); Ks: Kususamo, 3.7.1979 (M. Koponen leg.); 1♂ from Estonia (DAZH), Läänemaa: Puhtu, 29.5.1990 (M. Koponen); 1♀ from Greece (DAZH), Corfu: Acharavi, 28.4.1994 (M. Koponen).

### *Opius (Agnopius) similoides* Fischer

*Opius similoides* Fischer, 1962c: 102, ♀; 1964c: 433; 1971a: 111.

*Opius (Misophthora) similoides*; Fischer 1972: 229 (key), 269 (redescription).

*Opius (Agnopius) similoides*; Fischer 1982: 22.

*Opius (Allotypus) similoides*; Tobias 1986: 58.

**Distribution.** Austria, Finland (map 51), France, Hungary, Italy, Poland, Russia.

A new species to Finland.

**Host.** Unknown.

**Material examined.** 18♀ from Finland (DAZH, MZH), N: Nurmijärvi, 2.9.1979, 18.6., 28.7.1994 (M. Koponen), Pernå = Pernaja,

23.7.1948 (Å. Nordström); St: Reposaaari, 24.8.1950 (V. Lauro); Ta: Loppi, 29.7.1994 (M. Koponen); Sa: Mikkelin mlk., 12.8.1987, Punkaharju, 17.7.1982, Ristiina, 25.7.1985 (M. Koponen); Kl: Parikkala, 27.6.1990 (M. Koponen); Kb: Kitee, 22.7.1982, Polvijärvi, 5.7.1994 (M. Koponen); Om: Vimpeli, 7.7.1985 (M. Koponen); Ok: Puolanka, 29.6.1989 (M. Koponen); Oba: Pudasjärvi, 20.7.1980 (M. Koponen); Ks: Kuusamo, 4.7.1979 (M. Koponen leg.).

### *Opius (Agnopius) tirolensis* Fischer

*Opius tirolensis* Fischer, 1958d: 258, ♀; 1971a: 117.

*Opius (Misophthora) tirolensis*; Fischer 1972: 230 (key), 275 (redescription); Papp 1979a: 90.

*Opius (Agnopius) tirolensis*; Fischer 1982: 23.

*Opius (Allotypus) tirolensis*; Tobias 1986: 60.

*Distribution*: Austria, Denmark, Finland (map 52), Germany, Hungary, Italy, Poland, Russia (Leningrad region), former Yugoslavia.

A new species to Finland and Poland.

*Host*. Diptera, Agromyzidae: *Phytomyza flavicornis* Fallén on *Urtica dioica*.

*Material examined*. 6 ♀ from Finland (DAZH), Ab: Lohjan kunta, 19.6.1992, Perniö, 20.9.1994 (M. Koponen); N: Nurmijärvi, 19.6.1993 (M. Koponen); Ta: Korpilahti, 20.8.1986 (M. Koponen); Sa: Mikkelin mlk., 18.7.1987 (M. Koponen); Ok: Kuhmo, 6.7.1980 (M. Koponen leg.); and 2 ♀ from Poland (DAZH), Bialowieza, 6.7.1988 (M. Koponen leg.).

### Subgenus *Allotypus* Foerster

*Allotypus* Foerster, 1862: 259. Type species: *Opius irregularis* Wesmael.

Subgenus *Allotypus*; Fischer 1972: 70 (key), 280 (descr.).

### *Opius (Allotypus) geniculatus* Thomson

*Opius geniculatus* Thomson, 1895: 2179, ♀ ♂; Hellén 1946: 132; Fischer 1958e: 214; 1971a: 69.

*Opius (Allotypus) geniculatus*; Fischer 1972: 280 (key), 282 (redescription); Papp 1979: 79; Tobias 1986: 63.

*Opius albicoxis* Marshall, 1898: 236, ♀ ♂. Synonymised by Fischer 1958d: 214.

*Distribution*. Austria, former Czechoslovakia, Denmark, England, Finland (map 53), France, Germany, Hungary, Poland, Romania, Russia, Sweden, Japan.

*Hosts*. Diptera, Tephritidae: *Trypeta immaculata* (Macquart) on *Taraxacum* sp., *Vidalia cornuta* (Scopoli).

*Material examined*. 16 ♂, 30 ♀ from Finland (DAZH, MZH), Ab: Perniö, 19.9.1994 (M. Koponen); N: Helsingfors = Helsinki, 17.4.1944 (A. Nordman), 11.8., 3.9.1975, 4.-18.9.1978, 18.7.-22.8., 26.9.1979, 13.9.1982, 28.8.-2.9.1980 (M. Koponen), Nurmijärvi, 23.7., 23.8.1980, 17.7., 21.8.1981, Porvoon mlk., 23.7.1979 (M. Koponen), Sibbo, Nevas, 1.-14.8.1988 (A. Albrecht), Vantaa, 31.8.1975, 24.8.1979, 21.8.1991 (M. Koponen); St: Mäntyluoto, 16.7.1950, Reposaaari, 7.8.1950, 31.7.1966 (V. Lauro); Ta: Hauho, 13.8.1935 (W. Hellén), Kangasala (R. Frey), Korpilahti, 19.8.1986, Lahti, 17.7.1987, Nastola, 17.8.1980 (M. Koponen), Sääksmäki, 1930, 20.8.1934 (E. Kivirikko); Sa: Joutseno, 23.7.1937 (E. Thuneberg), Mikkelin mlk., 23.-24.8.1975, 19.8.1994, Ristiina, 6.9.1987 (M. Koponen); 1 ♂, 1 ♀ from Poland (DAZH), Bialowieza, 7.7.1988 (M. Koponen leg.), and 2 ♀ from Russia (MZH, DAZH), Karelia: Kexholm (S. Sahlberg); Moscow, 8.7.1977 (M. Koponen leg.).

### *Opius (Allotypus) irregularis* Wesmael

*Opius irregularis* Wesmael, 1835: 132, ♀ ♂; Fischer 1958e: 216; 1971a: 77; Hellén 1959: 22; Wharton 1987: 66.

*Allotypus irregularis*; Foerster 1862: 259.

*Opius (Allotypus) irregularis*; Fischer 1972: 280 (key), 284 (redescription); Tobias 1986: 60.

*Opius bipustulatus* Fischer, 1958e: 211, ♂; - Fischer 1962a: 47 (♀ nov.). Synonymised by Fischer 1971a: 77.

*Distribution*. One of the commonest species of *Opius* in west, north and central Europe, including Finland (map 54), Balkans, Russia, Japan, North America.

*Host*. Diptera, Ephydriidae: *Hydrellia griseola* (Fallén) on *Poa trivialis*.

*Material examined*. 14 ♂, 22 ♀ from Finland (DAZH, MZH), Al: Lemland, Flaka, 8.-12.6.1954 (Waselius); Ab: Runsala = Turku, Ruissalo (Ingelius), Vihti (Ingelius); N: Espoo, 4.9.1979 (M.

Koponen), Hangö = Hanko, 1931 (W. Hellén), Helsinki, 31.8., 11.9.1978, 12.8.1979, 6.-29.6.1980, Hyvinkää, 4.8.1979, Nurmijärvi, 2.9.1979, 14.9.1987, 26.6.1989, 10.8.1994, Porvoon mlk., 23.7.1979, 3.6.1982, Vantaa, 22.8.1978, 11.8.1979, 6.8.1980, 21.8.1991 (M. Koponen); St: Reposari, 29.8.1955 (V. Lauro); Ta: Jämsä, 26.8.1991 (M. Koponen), Kangasala (R. Frey); Sa: Mikkelin mlk., 22.8.1975, 19.8.1994 (M. Koponen); Obb: Simo, 17.7.1980 (M. Koponen); Ks: Kuusamo, 30.6.1979 (M. Koponen); 1♂, 1♀ from Poland (DAZH); and 1♂ from Japan (DAZH), Kyoto, 20.8.1988 (M. Koponen leg.).

### *Opius (Allotypus) saevulus* Fischer

*Opius saevulus* Fischer, 1958e: 217, ♂; 1971a: 108.

*Opius (Allotypus) saevulus*; Fischer 1972: 280 (key), 287 (redescription); Tobias 1986: 63.

*Distribution.* Austria, England, Finland (map 55), Hungary.

A new species to Finland.

*Hosts.* Diptera, Scatophagidae: *Parallelomma* (= *Chylizosoma*) *vittatum* (Meigen) on *Listera ovata* and *Orchis mascula* L., Tephritidae: *Philophylla heraclei* (Linnaeus) on *Pastinaca sativa*.

*Remark.* Host records need verification.

*Material examined.* 1♂ from Finland (DAZH), N: Siuntio, 30.8.1981 (M. Koponen leg.).

### *Opius (Allotypus) saevus* Haliday

*Opius saevus* Haliday, 1837: 209, ♀♂; Fischer 1958e: 218; 1967a: 344 (host); 1971a: 108.

*Opius (Allotypus) saevus*; Fischer 1972: 280 (key), 289 (redescription); Papp 1979: 89; 1982a: 245; Tobias 1986: 63 (key, distribution).

*Distribution.* Austria, Denmark, England, Finland (map 56), Hungary, Scotland, Armenia, North Korea.

A new species to Finland.

*Host.* Diptera, Agromyzidae: *Nemorimyza posticata* (Meigen).

*Material examined.* 4♂, 6♀ from Finland (DAZH, MZH), N: Kirkkonummi, 24.7.1991 (M. Koponen), Sibbo, Nevas, 21.7-18.8.1985 (A. Albrecht), Sipoo, 27.8.1975 (M. Koponen); Sa: Ristiina, 6.8.1978 (M. Koponen); Kb: Kitee, 19.7.1982, Liperi, 4.8.1993 (M. Koponen); Obb:

Simo, 17.7.1980 (M. Koponen); Ks: Kuusamo, 4.7.1979 (M. Koponen leg.).

### Subgenus *Eutrichopsis* Foerster

*Eutrichopsis* Foerster, 1862: 260. Type species: *Eutrichopsis munda* Foerster.

Subgenus *Eutrichopsis*; Fischer 1986: 609 (key), 610.

### *Opius (Eutrichopsis) mundus* (Foerster)

*Eutrichopsis munda* Foerster, 1862: 260.

*Opius mundus*; Fischer 1957a: 49, ♀; 1971a: 89.

*Opius (Nosopoea) mundus*; Fischer 1972: 291 (key), 320 (redescription).

*Opius (Allotypus) mundus*; Tobias 1986: 66.

*Opius (Eutrichopsis) mundus*; Fischer 1986: 610.

*Distribution.* Austria, former Czechoslovakia, England, Finland (map 57), Germany, Hungary, Kazakhstan.

A new species to Finland.

*Host.* Unknown.

*Material examined.* 2♀ from Finland (DAZH), N: Nurmijärvi, 25.8.1987 (M. Koponen); Kl: Uukuniemi, 20.7.1983 (M. Pulkkinen leg.).

### Subgenus *Nosopoea* Foerster

*Nosopoea* Foerster, 1862: 260. Type species: *Opius cingulatus* Wesmæl.

### *Opius (Nosopoea) altimontanus* Fischer

*Opius altimontanus* Fischer, 1969a: 40, ♀♂; 1971a: 41; 1974: 82.

*Opius (Nosopoea) altimontanus*; Fischer 1972: 292 (key, redescription); Papp 1982a: 243; Fischer 1986: 612 (key).

*Opius (Allotypus) altimontanus*; Tobias 1986: 68.

*Distribution.* Austria, former Czechoslovakia, Finland (map 58), Hungary, Romania, Russia (Murmansk region).

A new species to Russia.

*Host.* Unknown.

*Material examined.* 13♂, 7♀ from Finland (DAZH), Ab: Perniö, 19.9.1994; N: Helsinki, 9.8.1976, 9.-16.9.1978, Kirkkonummi, 23.-24.7.1991, Nurmijärvi, 30.7.1982, 21.-30.8.1987, 18.7.1992, 8.9.1994 (M. Koponen); Ta: Juupajoki,

15.6.1982 (Y. Zhongqi); Sa: Ristiina, 23.7.1978, 28.7.1979, Suomenniemi, 23.7.1978, Valkeala, 28.7.1977 (M. Koponen); Obb: Tornio, 6.7.1982 (M. Koponen); and 1 ♂ from Russia (MZH), Murmansk region: Yläluostari, 1928 (W. Hellén leg.).

### *Opius (Nosopoea) ambiguus* Wesmael

*Opius ambiguus* Wesmael, 1835: 131, ♂; Fischer 1960: 68; 1971a: 42.

*Opius (Nosopoea) ambiguus* Fischer 1972: 292 (key, ♀), 295 (redescription); 1986: 612 (key).

*Opius (Allotypus) ambiguus*; Tobias 1986: 68.

*Opius longipes* Fischer, 1957b: 218, ♀. Synonymised by Fischer 1971a: 42.

*Opius phytomyzae* Fischer, 1957b: 220, ♀; Hellén 1959: 22. Synonymised by Fischer 1971a: 42.

*Opius reptantis* Fischer, 1957b: 223, ♀; Hellén 1959: 22. Synonymised by Fischer 1971a: 42.

*Distribution.* Austria, Denmark, England, Finland (map 59), France, Germany, Ireland, Poland, Russia, Sweden, Switzerland, Mongolia.

*Hosts.* Diptera, Agromyzidae: *Agromyza albipennis* Meigen on *Phalaris arundinacea*, *Agromyza anthracina* Meigen on *Urtica dioica*, *Agromyza nigrescens* Hendel, *Agromyza reptans* Fallén, *Agromyza* sp. on *Trifolium* sp., *Agromyza pseudoreptans* Nowakowski = *urticae* Nowakowski, preocc. on *Urtica dioica*, *Cerodontha (Phytagromyza) flavocingulata* (Strobl) on *Festuca gigantea*, *Cerodontha (Poemyza) incisa* (Meigen) on *Calamagrostis arundinacea*, *Cerodontha (Poemyza) luzulae* Groschke on *Luzula sylvatica*, *Cerodonta (Dizygomyza) caricicola* (Hering) = *soenderupi* (Hering) on *Carex pendula*, *Liriomyza pusio* (Meigen) = *graminicola* de Meijere on *Arrhenatherum elatius*, *Nemorimyza posticata* (Meigen) on *Solidago virgaurea*, *Paraphytomyza buhri* (de Meijere) on *Galium album* = *mollugo*, *Phytomyza angelicae* Kaltenbach = *aegopodii* Hendel on *Aegopodium podagraria* and *Angelica sylvestris*, *Phytomyza alpina* Goureau on *Senecio jacobaea*, *Phytomyza angelicastroi* Hering, *Phytomyza lappae* Goureau = *lappina* Robineau-Desvoidy on *Arctium* sp., *Phytomyza marginella* Fallén = *sonchi* Robineau-Desvoidy on *Hieracium* sp. *sabaudum* group, *Phytomyza milii* Kaltenbach on *Deschampsia caespitosa*, *Phytomyza montana* Groschke, *Phytomyza sphondyliivora* Spencer on *Heracleum*

*sphondylium*.

*Material examined.* 9 ♂, 3 ♀ from Finland (DAZH, MZH), N: Herttonäs = Helsinki, Herttoniemi, 10.8.1908 (L. von Essen), Sibbo, Nevas, 22.-28.6., 12.-18.7.1986 (A. Albrecht), Tenala, Harpar Lillträsk, 28.7.-3.8.1988 (A. Albrecht & K. Keynäs); St: Reposaaari, 1.7.1951 (V. Lauro); Sa: Ristiina, 28.7.1986 (M. Koponen); Kl: Pärkkala, 18.6.1945 (W. Hellén leg.).

### *Opius (Nosopoea) celsus* Haliday

*Opius celsus* Haliday, 1837: 209, ♂; Fischer 1959g: 66; 1971a: 52.

*Opius (Nosopoea) celsus*; Fischer 1972: 292 (key), 297 (redescription, ♀); 1986: 612 (key).

*Opius (Allotypus) celsus*; Tobias 1986: 68 (key, distribution).

*Distribution.* Austria, Denmark, England, Estonia, Finland (map 60), France, Germany, Ireland, Sweden, Switzerland, Ukraine, China.

A new species to Finland and Estonia.

*Host.* Diptera, Agromyzidae: *Agromyza albipennis* Meigen on *Phalaris arundinacea*.

*Material examined.* 2 ♂, 2 ♀ from Finland (DAZH, MZH), N: Sibbo, Nevas, 7.-15.7.1985 (A. Albrecht); Ok: Kajaani, 5.7.1991 (M. Koponen); and 1 ♀ from Estonia (DAZH), Läänemaa: Vatla, 3.6.1990 (M. Koponen leg.).

### *Opius (Nosopoea) cingulatus* Wesmael

*Opius cingulatus* Wesmael, 1835: 120, ♀ ♂; Fischer 1959g: 67; Hellén 1959: 21; Fischer 1967b: 141; 1971a: 54; Wharton 1987: 65.

*Nosopoea cingulatus*; Foerster 1862: 216.

*Opius (Nosopoeus) cingulatus*; Thomson 1895: 2191, ♀ ♂.

*Opius (Nosopoea) cingulatus*; Fischer 1972: 292 (key), 303 (redescription); 1986: 612 (key); Papp 1978b: 368; 1982c: 184.

*Opius (Allotypus) cingulatus*; Tobias 1986: 70.

*Opius (Nosopaeus) stramineipes* Thomson, 1895: 2192, ♀ ♂. Synonymised by Fischer 1971a: 54.

*Nosopoeus stramineipes*; Krogerus 1927: 47: 54.

*Opius (Nosopaeus) dentifer* Thomson, 1895: 2192, ♀. Synonymised by Fischer 1971a: 54.

*Distribution.* Austria, Denmark, Estonia, Finland (map 61), Germany, Great Britain, Greece, Italy, Poland, Russia (Leningrad region, Krogerus

1927), Sweden, Armenia.

*Hosts.* Diptera, Agromyzidae: *Agromyza albitarsis* Meigen on *Populus tremula*, *Agromyza nigrella* Rondani on *Triticum* sp., *Agromyza* sp. on *Bromus asper*, *Agromyza potentillae* (Kaltenbach) = *spiraeae* (Kaltenbach) on *Filipendula ulmaria*, *Agromyza ?pseudoreptans* Nowakowski = *urticae* Nowakowski, preocc. on *Urtica dioica*, *Ophiomyia maura* (Meigen), *Napomyza ?evanescens* (Hendel) on *Ranunculus lanuginosus*, *Liriomyza morio* (Brischke) on *Asperula odorata* and *Galium sylvaticum*, *Amauromyza (Trilobomyza) labiatarum* (Hendel) on *Ballota nigra*; Tephritidae: *Philophylla heraclei* (Linnaeus).

*Material examined.* 32♂, 32♀ from Finland (DAZH, MZH), Al: Saltvik (R. Frey); Ab: Nauvo, Seili, 20.7.1978, Perniö, 19.9.1994 (M. Koponen), Nystad = Uusikaupunki, 1920, 1921, 14.7.1923 (W. Hellén), Vichtis = Vihti (R. Frey); N: Elimäki, 16.6.1984 (M. Koponen), Esbo = Espoo, 10.-17.7.1910, Hangö = Hanko, 12.7.1914, 1931 (W. Hellén), 9.-14.8.1990 (A. Albrecht), H:fors = Helsinki (R. Frey), 15.8., 1.-9.9.1978, 6.9.1980, 15.6., 2.9.1981 (M. Koponen), 12.9.1982 (Y. Zhongqi), Nurmijärvi, 3.9.1977, 23.8.1980, 14.7.1991 (M. Koponen), Sibbo, Kitö (Stenius), Sibbo, Nevas, 7.7.-18.8.1985, 7.7.-17.8.1986, 13.-20.6.1988 (A. Albrecht), Sipoo, 13.8.1977, Siuntio, 20.8.1977, Tuusula, 22.8.1976, Vantaa, 31.8.1975, 16.8.1978 (M. Koponen); St: Reposaari, 4.-24.7.1950, 9.7.1951, 16.8.1954 (V. Lauro); Ta: Lammi, 8.7.1975, 12.7., 4.9.1976 (M. Koponen); Sa: Anttola, 15.8.1976 (M. Koponen), Imatra, 16.5.1954 (O. Nybom), Mikkelin mlk., 22.8.1975, 4.7.1978, 15.9.1979, 5.7.1980, 23.6.1983, 4.8.1989, Ristiina, 14.8.1976, 25.6.1983 (M. Koponen); Kl: Parikkala, 27.6.1990 (M. Koponen); Tb: Keuruu, 14.7.1928 (W. Hellén), Konnevesi, 19.8.1986 (M. Koponen); Ok: Kajaani, 5.7.1991 (M. Koponen); 1♂ from Estonia (DAZH), Saaremaa: Viidumägi, Suurmägi, 1.6.1990 (M. Koponen); 1♂ from Russia (MZH), Leningrad region: Terijoki, Kellomäki, 31.8.1927 (W. Hellén); and 1♀ from Poland (DAZH), Bialowieza, 6.7.1988 (M. Koponen leg.).

*Opius (Nosopoea) circulator* (Nees)

*Bracon circulator* Nees, 1834: 54, ♀♂.

*Opius circulator*; Wesmael 1835: 131; Fischer

1959g: 69; 1971a: 54; Hellén 1959: 21.

*Opius (Nosopoea) circulator*; Fischer 1972: 292 (key), 305 (redescription); Papp 1981c: 139, 146; Fischer 1984a: 129; 1986: 611.

*Opius (Allotypus) circulator*; Tobias 1986: 66.

*Opius (Nosopoea) eversus* Papp, 1981c: 140, 146, ♀. Synonymised by Fischer 1984a: 131.

*Distribution.* Austria, Finland (map 62), France, Germany, Poland, Russia, Sweden, North Korea.

A new species to Poland and Sweden.

*Host.* Unknown.

*Material examined.* 3♂, 52♀ from Finland (DAZH, MZH), Ab: Nauvo, Seili, 17.7.1978 (M. Koponen), Vichtis = Vihti (R. Frey), 9.8.1981 (M. Koponen); N: Helsinki, 4.-19.8.1976, 20.7., 12.8.1977, Kirkkonummi, 23.7.1991, Nurmijärvi, 16.8.1978, 5.8.1979, 28.8.1982, 5.9.1984, 28.8.1987, 5.9.1989, 18.7.1992, 9.8.1994, Porvoon mlk., 10.9.1980, Sipoo, 27.8.1975, 26.7.1981 (M. Koponen); Ka: Hamina, 30.7.1953 (E. Thuneberg), Kotka, 31.7.1977 (M. Koponen); Ta: Hausjärvi, 20.8.1981, Heinolan mlk., 21.8.1983, Tammela, 1.7.1978 (M. Koponen); Sa: Mikkelin mlk., 28.7.1990, Punkaharju, 17.7.1982, Ristiina, 14.8.1976, 30.8.1985, 29.7.1986, Suomenniemi, 23.7.1978, Valkeala, 28.7.1977 (M. Koponen); Tb: Rautalampi, 17.-18.7.1983 (M. Koponen); Kb: Kitee, 22.7.1982, Liperi, 4.8.1993, Tohmajärvi, 20.7.1982 (M. Koponen); Obb: Simo, 19.7.1980 (M. Koponen); Li: Inari, 30.7.1993 (M. Koponen); 1♀ from Poland (DAZH), Bialowieza, 9.7.1988; and 1♀ from Sweden (DAZH), Vb: Brännland, 14.7.1980 (M. Koponen leg.).

*Opius (Nosopoea) maculipes* Wesmael

*Opius maculipes* Wesmael 1835: 128, ♀♂; Fischer 1959g: 72; 1971a: 84; Perepetcheyenko 1994: 37 (distribution).

*Opius (Nosopoea) maculipes*; Fischer 1972: 291 (key), 317 (redescription); 1986: 611; Papp 1978a: 142; 1982c: 184.

*Opius (Allotypus) maculipes*; Tobias 1986: 66 (key).

*Opius addendus* Fischer, 1959h: 20, ♀; 1962b: 65, ♂. Synonymised by Fischer 1971a: 84.

*Opius turcmenicus* Fischer 1959c: 28, ♀. Synonymised by Fischer 1971a.

*Distribution.* Austria, Belgium, the Canary Is-

lands, former Czechoslovakia, Denmark, England, Finland (map 63), Germany, Greece, Hungary, Ireland, Moldova, Sweden, Switzerland, Ukraine, Tunisia, Turkmenistan.

A new species to the Canary Islands and Finland.

*Hosts.* Diptera, Agromyzidae: *Agromyza ambigua* Fallén = *niveipennis* Zetterstedt on *Secale cereale*, *Agromyza bicophaga* Hering on *Vicia tenifolia*, *Agromyza lathyri* Hendel on *Lathyrus latifolius*, *Agromyza nigrella* Rondani on *Triticum* sp., *Agromyza nigriceps* Hendel on *Humulus lupulus*, *Agromyza potentillae* (Kaltenbach) = *spiraeae* (Kaltenbach) on *Filipendula ulmaria*.

*Material examined.* 4 ♀ from Finland (DAZH), N: Nurmijärvi, 16.5.1979 (M. Koponen); Ta: Kuhmoinen, 4.6.1920 (Y. Hukkinen), Lammi, 14.7.1976; Sa: Mikkelin mlk., 11.7.1981 (M. Koponen); 1 ♀ from Greece (DAZH), Corfu: Acharavi, 24.4.1994 (M. Koponen); and 5 ♀ from the Canary Islands (DAZH), Tenerife: Sta Ursula, La Quinta, 8.-9.12.1993 (M. Koponen leg.).

#### ***Opius (Nosopoea) pirchitticola* Fischer**

*Opius (Nosopoea) pirchitticola* Fischer, 1974: 83; 1986: 611.

*Opius (Allotypus) pirchitticola*; Tobias 1986: 66.

*Distribution.* Austria, Finland (map 64).

A new species to Finland.

*Host.* Unknown.

*Material examined.* 2G, 1E from Finland (DAZH), Li: Inari 2.7., 6.7.1989 (M. Koponen leg.).

#### ***Opius (Nosopoea) seebensteinensis* Fischer**

*Opius seebensteinensis* Fischer, 1959g: 63, G.

*Opius (Nosopoea) seebensteinensis*; Fischer 1972: 292 (key), 323 (redescription); 1986: 612 (key).

*Opius (Allotypus) seebensteinensis*; Tobias 1986: 70.

*Distribution.* Austria, Finland (map 65), Germany, Hungary, Italy.

A new species to Finland.

*Hosts.* Diptera, Agromyzidae: *Phytomyza belidina* Hering on *Bellis* sp., *Phytomyza ranunculi* Schrank on *Ranunculus repens*.

*Material examined.* 2 ♂ from Finland (DAZH), N: Helsinki, 20.7.1977; Sb: Kuopio, 27.6.1989

(M. Koponen leg.).

#### ***Opius (Nosopoea) sigmodus* Papp**

*Opius sigmodus* Papp, 1980: 43, 46; 1981b: 270, ♀.

*Opius (Nosopoea) sigmodus*; Fischer 1986: 612 (key), 652 (redescription).

*Opius (Allotypus) sigmodus*; Tobias 1986: 70.

*Distribution:* Finland (map 66), Hungary.

A new species to Finland.

*Host.* Unknown.

*Material examined:* 1 ♂ from Finland (MZH), Al: Mariehamn, 7.1946, ad lucem (W. Hellén leg.).

#### ***Opius (Nosopoea) speciosus* Fischer**

*Opius speciosus* Fischer, 1959g: 74, ♀ ♂; 1971a: 112; 1974: 84.

*Opius (Nosopoea) speciosus*; Fischer 1972: 291 (key), 324 (redescription); 1986: 611 (key).

*Opius (Allotypus) speciosus*; Tobias 1986: 63, 66 (key).

*Distribution.* Armenia, Austria, Finland (map 67), France, Hungary, Russia.

A new species to Finland.

*Host.* Unknown.

*Material examined:* 2E from Finland (DAZH), N: Helsinki, 28.7.1980 (M. Koponen leg.).

#### ***Opius (Nosopoea) tuberculifer* Fischer ssp. *tuberculifer* Fischer**

*Opius tuberculifer* Fischer, 1958f: 179, E; 1971a: 119.

*Opius (Nosopoea) tuberculifer*, Fischer 1972: 291 (key), 328 (redescription); 1986: 612 (key).

*Opius (Allotypus) tuberculifer*; Tobias 1986: 66.

*Distribution.* Austria, Finland (map 68), Germany, Hungary, Switzerland.

A new species to Finland.

*Host.* Unknown.

*Material examined.* 9 ♀ from Finland (DAZH), St: Yläne, 17.6.1982; Oba: Ii, 20.7.1980 (M. Koponen leg.).

#### ***Opius (Nosopoea) tuberculifer* Fischer ssp. *diabolicus* Fischer**

*Opius diabolicus* Fischer, 1961: 8, ♀; 1969a: 47



(distribution, ♂ nov.); 1971a: 61; 1974: 82.

*Opius (Nosopoea) diabolicus*; Fischer 1972: 292 (key), 312 (redescription); 1986: 612 (key).

*Opius (Allotypus) diabolicus*; Tobias 1986: 66.

*Opius (Nosopoea) tuberculifer* Fischer ssp. *diabolicus*; Fischer 1986: 612 (nov. stat. of *diabolicus*).

*Distribution.* Austria, Finland (map 69), Switzerland.

A new subspecies to Finland.

*Host.* Unknown.

*Material examined.* 1 ♂, 12 ♀ from Finland (DAZH, MZH), N: Nurmijärvi, 5.8.1979 (M. Koponen), Sibbo, Nevas, 4.-31.8.1985, 1.-14.8.1988 (A. Albrecht); St: Eura, 7.7.1981 (M. Koponen); Ok: Kuhmo, 10.7.1980 (M. Koponen); Obb: Ranua, 19.7.1980 (M. Koponen leg.).

### *Opius (Nosopoea) viennensis* Fischer

*Opius viennensis* Fischer, 1959g: 76, ♀ ♂; 1971a: 121.

*Opius (Nosopoea) viennensis*; Fischer 1972: 292 (key), 329 (redescription); 1986: 612 (key); Papp 1985: 204.

*Opius (Allotypus) viennensis*; Tobias 1986: 68.

*Distribution:* Austria, former Czechoslovakia, Finland (map 70), France, Hungary.

A new species to Finland.

*Host.* Unknown.

*Material examined:* 1 ♀ from Finland (MZH), Ta: Pälkäne, 23.6.1921 (M. Hellén); and 1 ♂ from France (MZH), Annecy (W. Hellén leg.).

to be continued



Map 21



*Opius caudatus* (Wesmael, 1835)

Map 22



*Opius coracinus* (Thomson, 1895)

Map 23



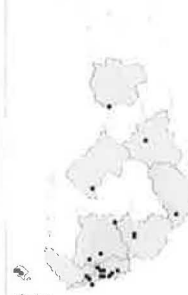
*Opius curlipectus* (Fischer, 1958)

Map 24



*Opius fasciatus* (Thomson, 1895)

Map 25



*Opius hilaris* (Fischer, 1962)

Map 26



*Opius magnus* (Fischer, 1958)

Map 27



*Opius ochropus* (Thomson, 1895)

Map 28



*Opius rotundiventris* (Thomson, 1895)

Map 29



*Opius trisulcus* (Thomson, 1895)

Map 30



*Opius truncatus* (Wesmael, 1835)

Map 31



*Opius zelotes* (Marshall, 1891)

Map 32



*Opius aureliae* Fischer, 1957

Map 33



*Opius flavigaster* Fischer, 1957

Map 34



*Opius crassicus* Thomson, 1895

Map 35



*Opius tscheki* Fischer, 1957

Map 36



*Opius curvatus* Fischer, 1957

Map 37



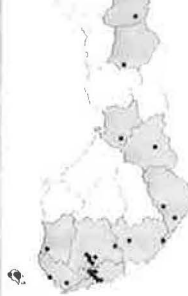
*Opius gracilis* Fischer, 1957

Map 38



*Opius minor* Fischer, 1957

Map 39

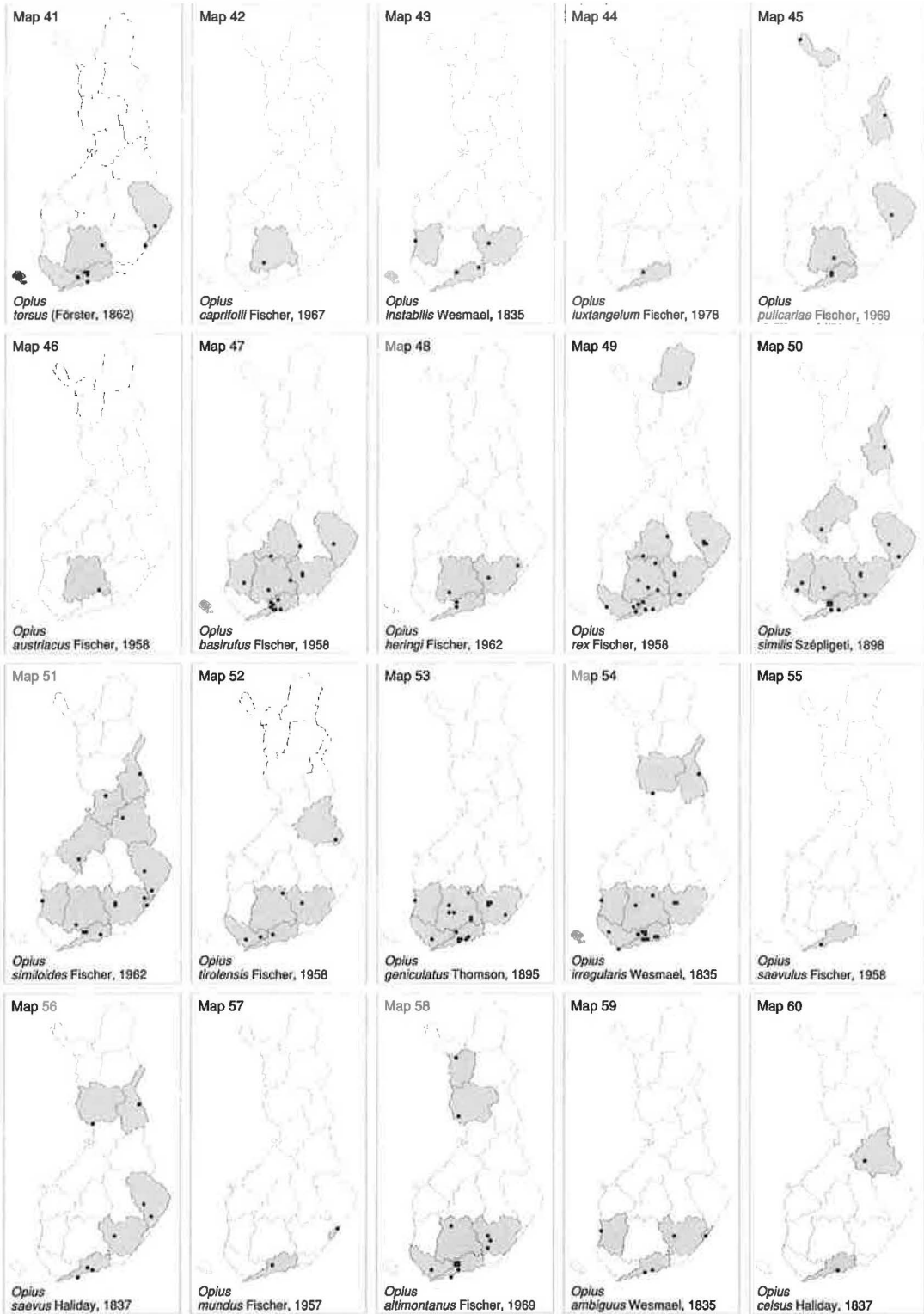


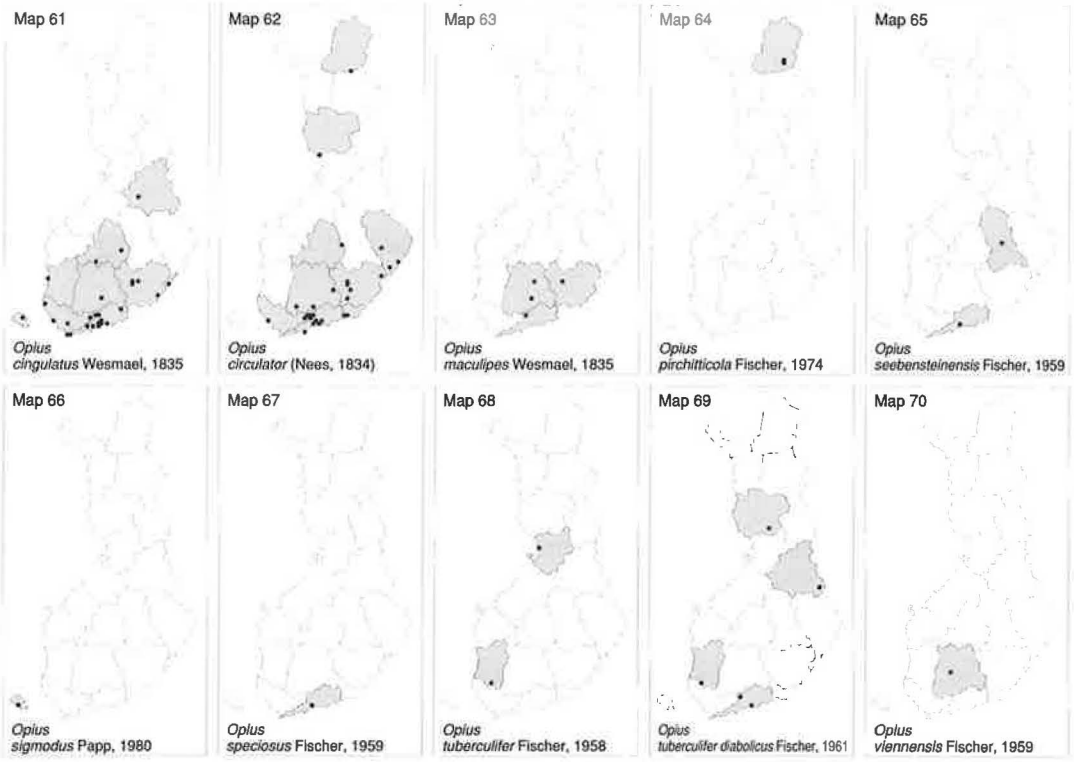
*Opius pygmaeus* Fischer, 1962

Map 40



*Opius radialis* Fischer, 1957





to be continued