

Ichneumonidae (Hymenoptera) new for the fauna of Norway, Part 5

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The family Ichneumonidae represents a very species-rich family of parasitoid Hymenoptera. In Norway, 1583 different Ichneumonid species have been reported so far. The present survey gives distributional records for 98 additional species of the family Ichneumonidae (Hymenoptera) previously not known from Norway. 21 of them have hitherto not been reported from Scandinavia, including the first Palaearctic record of *Syrphophilus tricinctus* (Ashmead, 1902).

Key words: Hymenoptera, Ichneumonidae, Norway, Scandinavia, new records, corrections, Adelo-gnathinae, Banchinae, Campopleginae, Cryptinae, Ctenopelmatinae, Diplazontinae, Ichneumoninae, Oedicephalini, Mesochorinae, Metopiinae, Orthocentrinae, Tryphoninae.

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Introduction

The family Ichneumonidae is a very large group of parasitoid Hymenoptera representing almost 9000 described and many undescribed species in the Palaearctic region. However, the taxonomy, biology, and distribution of many species are still poorly studied.

In the last 15 years, more than 450 species of Ichneumonidae have been reported as new to the fauna of Norway (Riedel & Berg 1997, Riedel *et al.* 2000, 2005, Riedel & Hansen 2007, Hansen *et al.* 2010a, b, Hansen 2012, Humala & Reshchikov, 2012). Up to now, 1583 different species are known in Norway (Yu *et al.* 2012). Comparing this number with other Scandinavian countries (e.g. 2697 species known from Sweden – Yu *et al.* 2012), we estimate that there is still a large portion of unrecorded species occurring in Norway.

In this paper, we give distributional records for 98 new species for this country and some

corrections to our previous publications. 21 of these species have not previously been recorded from Scandinavia.

Material

The species recorded in this paper were collected in all parts of the country, but mainly in the Southern parts of Norway with hand nets and Malaise-traps. To avoid misinterpretations, we excluded species which have not been identified with certain accuracy.

The subfamilies, tribes, genera, and species are listed in alphabetic order using the recent Catalogue of World Ichneumonidae (Yu *et al.* 2012). From this catalogue we also took the distributional records, but here only the other Scandinavian countries are mentioned. The faunistic divisions of Norway are defined in accordance with Økland (1981).

The reference material for this publication is kept in the personal collection of the first author and a smaller part in the Natural History Museum of Oslo.

The Species

ADELOGNATHINAE

Adelognathus nigrifrons Holmgren, 1857

Material. BØ, Hemsedal: 1♀ 5 August 1995, leg. I. Wall.

Distribution. Holarctic region, known from Finland and Sweden.

BANCHINAE

Exetastes atrator (Forster, 1771)

Material. Ø, Sarpsborg: Sandbakken (EIS 20), 1♀ 16 August 2007, leg. T.J. Olsen.

Distribution. Palaearctic and Oriental regions, known from Denmark, Finland and Sweden.

Lissonota tenerrima Thomson, 1877

Material. Ø, Sarpsborg: Tune, Råkil (EIS 20), 1♀ 28 April 2002, leg. T.J. Olsen.

Distribution. Western Palaearctic region, known from Finland and Sweden.

CAMPOPLEGINAE

Bathyplectes infernalis (Gravenhorst, 1820)

Material. BØ, Drammen: Underlia (EIS 28), 1♂ 1–31 May 1994, leg. L.O. Hansen.

Distribution. Holarctic region, not previously recorded from Scandinavia.

Callidora albovincta (Holmgren, 1860)

Material. Ø, Rakkestad: Degernes, Munkebråten (EIS 20), 2♀♀ 12 August 2010, leg. T.J. Olsen; Sarpsborg: Sandbakken (EIS 20), 1♀ 16 August 2007, leg. T.J. Olsen.

Distribution. Palaearctic region, known from Finland and Sweden.

Campoletis annulata (Gravenhorst, 1829)

Material. AK, Sørurum: Lørenfallet, Egner

(EIS 37), 1♀ 1–31 May 1994, Malaise-trap, leg. L.O. Hansen & O. Sørlibråten.

Distribution. Palaearctic and Oriental regions, known from Denmark, Faroe Islands, Finland and Sweden.

Campoletis punctata (Bridgman, 1886)

Material. TEI, Notodden: Lisleherad (EIS 27), 1♀ 6 August–19 October 1993, Malaise-trap sample 4, leg. A. Bakke; BØ, Nedre Eiker: Mjøndalen, Hagatjern (EIS 28), 1♀ 1–31 May 1994, Malaise-trap, leg. Y. Berg & L.O. Hansen; Ø, Halden: Enningdalen (EIS 12), 1♂ 21 June 2009, leg. T.J. Olsen.

Distribution. Central and Western Europe, not previously recorded from Scandinavia.

Campoletis zonata (Gravenhorst, 1829)

Material. AK, Ås: Årungen (EIS 28), 1♀ 25 July 1993, leg. Ø. Berg; AK, Bærum: Vestmarka (EIS 28), 1♀ 29 July 1993, leg. Ø. Berg; Ø, Aremark, Kvernmoen, Holmgil, 1♀ 27 May 2006, leg. T.J. Olsen; Sarpsborg: Sandbakken (EIS 20), 2♀♀ August 2007; 1♀ 16 August 2007, leg. T.J. Olsen; Rygge: Ekeby, Telemarkslunden (EIS 19), 1♀ 19 May–17 June 1992, Malaise-trap, leg. L.O. Hansen & G. Walberg; Fredrikstad: Torsnes, Nes (EIS 20), 1♂ 1 July 2007, leg. T.J. Olsen; Fredrikstad, Torsnes, Refsal, (EIS 20), 1♀ 1–11 July 2009, leg. T.J. Olsen; Halden: Enningdalen (EIS 12), 1♀ 23 August 2009, leg. T.J. Olsen; TEI, Notodden: Lisleherad (EIS 27), 1♀ 6 August–19 October 1993, Malaise-trap sample 4, leg. A. Bakke.

Distribution. Western Palaearctic region, known from Finland and Sweden.

Campoplex laricanae Horstmann, 1985

Material. Ø, Halden: Vesttorp (EIS 20), 1♀ 15 July–1 August 2008, leg. T.J. Olsen.

Distribution. Known from Switzerland and Ukraine, not previously recorded from Scandinavia.

Campoplex sulcatus Horstmann, 1985

Material. Ø, Rakkestad: Degernes, Munkebråten (EIS 20), 1♀ 12 August 2010, leg. T.J. Olsen.

Distribution. Western Palaearctic region, known from Finland and Sweden.

***Casinaria ischnogaster* Thomson, 1887**

Material. ON, Nord-Fron: Vinstra [Stordalsberget] (EIS 62), 1♀1♂ 6 August–19 September 1992, Malaise-trap, leg. L.O. Hansen & K. Myhr; BØ, Hurum, Tofteholmen (EIS 19), 1♀ 7–31 July 1991, Malaise-trap, leg. L.O. Hansen; Røyken: Hyggen, Kinnartangen (EIS 28), 1♀1♂ 1–30 June 1993, Malaise-trap, leg. L.O. Hansen; Kongsberg: Jondalen, 400m (EIS 27), 1♂ 4 August 1997, leg. Ø. Berg, Ø, Sarpsborg: Sandbakken (EIS 20), 1♀1♂ 10 July 1996, leg. T.J. Olsen; OS, Sør-Aurdal: Bagn (EIS 44), 1♀1♂ 8–12 July 1996, leg. T. Munk.

Distribution. Palaearctic region, known from Finland and Sweden.

***Casinaria petiolaris* (Gravenhorst, 1829)**

Material. VE, Re [Våle]: Langøya N (EIS 19), 1♀ 8 July–2 August 1991, Malaise-trap, leg. L.O. Hansen.

Distribution. Holarctic region, known from Finland and Sweden.

***Casinaria scabra* Thomson, 1887**

Material. VE, Larvik: Brunlanes, Lerungsand (EIS 11), 1♀ 28 June 1995; 1♀ 6 July 1996, leg. Ø. Berg; Ø, Sarpsborg: Tune, Råkil (EIS 20), 1♀ 5 September 2002, leg. T.J. Olsen; Rygge: Ekeby, Gunnarsbybekken (EIS 19), 1♀ 21 July–24 August 1992, Malaise-trap, leg. L.O. Hansen & G. Walberg.

Distribution. Palaearctic region, known from Sweden.

***Casinaria varians* Tschek, 1871**

Material. VE, Re [Våle]: Langøya (EIS 19), 2♀♀ and 2♂♂ 8 July–2 August 1991, Malaise-trap, leg. L.O. Hansen.

Distribution. Palaearctic region, not previously recorded from Scandinavia.

***Diadegma anurum* (Thomson, 1887)**

Material. Ø Rygge: Ekeby, Telemarkslunden (EIS 19), 1♀ 17 June–21 July 1992, Malaise-trap, leg. L.O. Hansen & G. Walberg.

Distribution. Western Palaearctic region, known from Sweden.

***Diadegma brevivalve* (Thomson, 1887)**

Material. Ø, Rygge: Ekeby, Gunnarsbybekken (EIS 19), 1♀ 21 July–24 August 1992, Malaise-trap, leg. L.O. Hansen & G. Walberg.

Distribution. Western Palaearctic region, known from Sweden.

***Diadegma melanium* (Thomson, 1887)**

Material. Ø, Halden: Vesttorp (EIS 20), 1♀ 15 July–1 August 2008, leg. T.J. Olsen; Hobøl: Tomter N (EIS 29), 1♀ 14 July 2009, leg. A.L. Aase & T.J. Olsen.

Distribution. Western Palaearctic region, known from Sweden.

***Diadegma nana* (Gravenhorst, 1829)**

Material. OS, Sør-Aurdal: Bagn (EIS 44), 1♀ 8–12 July 1996, leg. T. Munk.

Distribution. Holarctic region, known from Finland and Sweden.

***Diadegma semiclausum* (Hellén, 1949)**

Material. Ø, Halden: Vesttorp (EIS 20), 1♀ 15 July–1 August 2008, leg. T.J. Olsen; BØ, Hurum: Ramvikholmen (EIS 19), 1♀ 12 August 1991, leg. L.O. Hansen.

Distribution. Almost worldwide, known from Finland and Sweden.

***Diadegma stagnale* (Holmgren, 1856)**

Material. Ø, Sarpsborg: Tune, Råkil (EIS 20), 1♀ 15 June 2006, leg. T.J. Olsen.

Distribution. Western Palaearctic region, known from Finland and Sweden.

***Dusona alpina* (Strobl, 1904)**

Material. Ø, Rakkestad: Degernes, Munkebråten (EIS 20), 1♀ 12 August 2010, leg. T.J. Olsen.

Distribution. Central Europe, not previously recorded from Scandinavia.

***Dusona angustata* (Thomson, 1887)**

Material. Ø, Sarpsborg: Tunevannet (EIS 20), 1♀ 21 June 2006, leg. T.J. Olsen.

Distribution. Western Palaearctic region, known from Finland and Sweden.

***Dusona blanda* (Förster, 1868)**

Material. VE, Larvik: Lerungssand (EIS 11), 1♀ 28 June 1995, leg. Ø. Berg; Ø, Sarpsborg: Tune, Råkil (EIS 20), 1♀ 28 July 1995, 1♀ 3 June 2002, leg. T.J. Olsen.

Distribution. Western Palaearctic region, known from Austria and Germany, not previously recorded from Scandinavia.

***Dusona flagellator* (Fabricius, 1793)**

Material. TEY, Porsgrunn: Sandøya (EIS 11), 1♀ 16 July 1998, leg. Ø. Berg; Ø, Halden: Vesttorp (EIS 20), 1♂ 15 July–1 August 2008, leg. T.J. Olsen.

Distribution. Palaearctic region, known from Finland

***Dusona inermis* (Förster, 1868)**

Material. Ø, Sarpsborg: Sandbakken (EIS 20), 1♀ 31 August 2007, leg. T.J. Olsen; Halden: Kirkevannet, 1♀ 20 July 1996, leg. J.A. Stenløkk.

Distribution. Palaearctic region, known from Finland.

***Dusona limnobia* (Thomson, 1887)**

Material. Ø, Sarpsborg: Tune, Råkil (EIS 20), 1♂ 12 August 1994, leg. T.J. Olsen; Halden: Enningdalen, Kirkeboen (EIS 20), 1♀ 10 August 1997, leg. T.J. Olsen.

Distribution. Western Palaearctic region, known from Finland.

***Hyposoter dolosus* (Gravenhorst, 1829)**

Material. Ø, Sarpsborg: Tune, Råkil (EIS 20), 1♀ 15 June 2003, leg. T.J. Olsen.

Distribution. Western Palaearctic region, known from Finland and Sweden.

***Hyposoter horticola* (Gravenhorst, 1829)**

Material. Ø, Sarpsborg: Tune, Råkil (EIS 20), 1♀ 28 May 2008, leg. T.J. Olsen.

Distribution. Western Palaearctic region, known from Finland and Sweden.

***Nemeritis aequalis* Horstmann, 1973**

Material. BØ, Røyken: Kinnartangen [Kol-åsen] (EIS 28), 1♀ 1–31 July 1991, Malaise-trap, leg. L.O. Hansen.

Distribution. Western Palaearctic region, known from Sweden.

***Olesicampe erythropyga* (Holmgren, 1860)**

Material. Ø, Sarpsborg: Tune, Råkil (EIS 20), 1♀ 8 August 2004, 1♀ 10 June 2006, leg. T.J. Olsen; Hobøl: Tomter N (EIS 29), 1♀ 4 June 2009, leg. A.L. Aase & T.J. Olsen.

Distribution. Palaearctic region, known from Finland and Sweden, mentioned by Strand (1898) without location

***Olesicampe retusa* (Thomson, 1887)**

Material. TEI, Notodden: Lisleherad (EIS 27), 1♀ 6 August–19 October 1993, Malaise-trap, leg. A. Bakke.

Distribution. Western Palaearctic region, known from Finland and Sweden.

***Tranosemella coxalis* (Brischke, 1880)**

Material. Ø Halden: Vesttorp (EIS 20), 2♀♀ 15 July–1 August 2008, leg. T.J. Olsen.

Distribution. Holarctic region, known from Finland.

CRYPTINAE

***Agrothereutes adustus* (Gravenhorst, 1829)**

Material. HES, Eidskog: Leirsjøen (EIS 38), 1♀ 24 June 1992, leg. L.O. Hansen.

Distribution. Palaearctic region, known from Finland and Sweden.

***Agrothereutes mandator* (Linnaeus, 1758)**

[syn. *cimbicis* Tschek]

Material. Ø, Sarpsborg: Tune, Råkil (EIS 20), 3♀♀ 1 May 2007, 1♀ 5 May 2007, leg. T.J. Olsen.

Distribution. Holarctic region, known from Finland.

***Hoplocryptus melanocephalus* (Gravenhorst, 1829)**

Material. VE, Re [Våle]: Langøya N (EIS 19), 1♀ 8 July–2 August 1991, Malaise-trap, leg.

L.O. Hansen.

Distribution. Western Palaearctic region, not previously recorded from Scandinavia.

***Hoplocryptus murarius* (Börner, 1782)**

Material. TEI, Notodden: Lisleherad (EIS 27) 1♀ 22 June–6 August 1993, Malaise-trap, leg. A. Bakke; Ø, Sarpsborg: Sandbakken (EIS 20), 1♀ 1 September 1998, leg. T.J. Olsen.

Distribution. Palaearctic region, known from Finland.

***Listrognathus mactator* (Thunberg, 1824)**

Material. Ø, Sarpsborg: Tune, Råkil (EIS 20), 1♀ 15 June 2006, leg. T.J. Olsen; Fredrikstad: Torsnes, Refsal (EIS 20), 1♂ 15 May–14 June 2009, leg. T.J. Olsen.

Distribution. Palaearctic region, known from Finland and Sweden.

Hemigasterini

***Aptesis improba* (Gravenhorst, 1829)**

Material. Ø, Hvaler: Skjærhalden, Prestgårdskogen (EIS 12), 1♀ 1–20 August 2010, leg. T.J. Olsen.

Distribution. Western Palaearctic region, known from Finland and Sweden.

***Giraudia grisescens* (Gravenhorst, 1829)**

Material. Ø, Sarpsborg: Tune, Råkil (EIS 20), 1 brachypterous ♀ 10 October 2009, leg. T.J. Olsen.

Distribution. Western Palaearctic region, known from Finland and Sweden.

Phygadeuontini

***Aclastus solutus* (Thomson, 1884)**

Material. BV, Rollag: Bergan (EIS 35), 1♀ 1 August 1994, leg. L.O. Hansen.

Distribution. Western Palaearctic region, known from Faroe Islands, Finland and Sweden.

***Gelis albipalpus* (Thomson, 1884)**

Material. Ø, Rygge: Ekeby, Telemarkslunden (EIS 19), 1♀ 24 August–16 October 1992, Malaise-trap, leg. L.O. Hansen & G. Walberg.

Distribution. Western Palaearctic region, known from Finland and Sweden.

***Isadelphus armatus* (Gravenhorst, 1829)**

Material. OS, Sør-Aurdal: Bagn (EIS 44), 1♀ 8–12 July 1996, leg. T. Munk.

Distribution. Western Palaearctic region, known from Finland and Sweden.

***Mastrus rufobasalis* (Habermehl, 1920)**

Material. Ø, Rakkestad: Munkebråten (EIS 20), 1♀ 12 August 2010, leg. T.J. Olsen.

Distribution. Central and Southern Europe, not previously recorded from Scandinavia.

***Phygadeuon variabilis* Gravenhorst, 1829**

Material. Ø, Halden: Remmendalen (EIS 20), 1♀ 3–30 June 1995, leg. L.O. Hansen & G. Hardeng.

Distribution. Palaearctic and Oriental regions, known from Denmark, Finland and Sweden.

***Sulcarius suecicus* Horstmann, 1991**

Material. Ø, Hobøl: Tomter S, Meander (EIS 20), 1♀ 19 June 2010, leg. A.L. Aase & T.J. Olsen.

Distribution. Only known from Sweden.

***Theroscopus hemipteron* (Riche, 1791)**

Material. VE, Re [Våle]: Langøya, 1♀ VII.1990, leg. L.O. Hansen.

Distribution. Palaearctic and Oriental regions, known from Denmark and Finland.

***Tricholinum ischnocerum* (Thomson, 1888)**

Material. Ø, Halden: Enningdalen (EIS 12), 1♀ 21 June 2009, leg. T.J. Olsen.

Distribution. Western Palaearctic region, known from Finland and Sweden.

CTENOPELMATINAE

Ctenopelmatini

***Xenoschesis flavopicta* (Strobl, 1903)**

Material. Ø, Hvaler: Skjærhalden, Prestgårdskogen (EIS 12), 1♂ August 2010, leg. T.J. Olsen.

Distribution. Only known from Austria

and Germany, not previously recorded from Scandinavia.

Pionini

***Rhorus neuter* Aubert, 1988**

Material. AK, Bærum: Borøya, 1♂ 20 June 1993, leg. Ø. Berg.

Distribution. Only known from the United Kingdom, not previously recorded from Scandinavia.

Mesoleiini

***Azelus erythropalpus* (Gmelin, 1790)**

Material. FV, Måsoy: Rolvsøy, Gunnarnes (EIS 186), Malaise-trap, 1♀ 1–31 July 1992, leg. P. Tangen; Ø, Hvaler: Skjærhalden (EIS 12), 1♀ 1–31 May 2010, leg. Aase & T.J. Olsen.

Distribution. Western Palaearctic region, known from Finland and Sweden.

***Campodorus deletus* (Thomson, 1894)**

Material. Ø, Rakkestad: Munkebråten (EIS 20), 1♀ 5 May–16 June 2010, leg. Aase & T.J. Olsen.

Distribution. Only known from Sweden and Netherlands.

***Campodorus dorsalis* (Gravenhorst, 1829)**

Material. Ø, Fredrikstad: Torsnes, Refsal, 1♀ 1–11 July 2009, leg. T.J. Olsen; Sarpsborg: Sandbakken (EIS 20), 1♀ 6 August 2007, leg. T.J. Olsen.

Distribution. Western Palaearctic region, known from Finland and Sweden.

***Campodorus flavescens* Kasparyan, 2003**

Material. Ø, Hobøl: Tomter S, Meander (EIS 20), 1♀ 5 July 2010, leg. A.L. Aase & T.J. Olsen.

Distribution. Only known from Russia, not previously recorded from Scandinavia.

***Campodorus liosternus* (Thomson, 1894)**

Material. BØ, Drammen: Underlia (EIS 28), 1♀ 1–31 May 1994, leg. L.O. Hansen; Ø, Fredrikstad (EIS 20), 1♂ 28 May 1988, leg. T.J. Olsen.

Distribution. Western Palaearctic region, known from Finland and Sweden.

***Campodorus mollis* (Gravenhorst, 1829)**

Material. Ø, Sarpsborg: Grimsøya, 1♀ 22 June 2009, leg. T.J. Olsen.

Distribution. Western Palaearctic region, known from Finland and Sweden.

***Campodorus thalia* (Teunissen, 1953)**

Material. Ø, Halden: Enningdalen (EIS 12), 1♀ 17 July 2009, leg. T.J. Olsen.

Distribution. Only known from the Netherlands, not previously recorded from Scandinavia.

***Mesoleius roepkei* Teunissen, 1945**

Material. Ø, Sarpsborg: Tune, Råkil (EIS 20), 1♂ 15 August 2007, leg. T.J. Olsen.

Distribution. Central Europe, not previously recorded from Scandinavia.

***Mesoleius vestergreni* Roman, 1909**

Material. FV, Måsoy: Rolvsøy, Gunnarnes (EIS 186), 1♀ 1–30 June 1992; 1♀ 1–31 August 1992, Malaise-trap, leg. P. Tangen.

Distribution. Known from Sweden and Finland.

***Scopesis obscura* (Holmgren, 1857)**

Material. Ø, Sarpsborg: Sandbakken (EIS 20), 1♀ 31 August 2007, leg. T.J. Olsen.

Distribution. Western Palaearctic region, known from Finland and Sweden.

Perilissini

***Lathrolestes nigricollis* (Thomson, 1883)**

Material. Ø, Sarpsborg: Skjeberg Kirke (EIS 20), 1♂ 1–31 May 2010, leg. A.L. Aase & T.J. Olsen; Halden: Vesttorp (EIS 20), 1♀ 15 July–1 August 2008, leg. T.J. Olsen.

Distribution. Holarctic region, known from Finland and Sweden.

***Lathrolestes pleuralis* (Thomson, 1883)**

Material. Ø, Sarpsborg: Tune, Råkil, 1♂ 24 June 1995, leg. T.J. Olsen.

Distribution. Western Palaearctic region,

known from Finland and Sweden.

Zaplethocornia procurator (Gravenhorst, 1820)

Material. Ø, Rakkestad: Munkebråten (EIS 20), 1♀ 5 May–16 June 2010, leg. A.L. Aase & T.J. Olsen.

Distribution. Western Palaearctic region, known from Denmark, Finland and Sweden.

Euryproctini

Phobetres cerinostomus (Gravenhorst, 1829)

Material. Ø, Sarpsborg: Skjeberg Kirke (EIS 20), 1♀1♂ 15 June 2003, leg. T.J. Olsen.

Distribution. Western Palaearctic region, known from Finland and reported from Norway with a question mark (Roman, 1942).

DIPLAZONTINAE

Phthorima compressa (Desvignes, 1856)

[det. S. Klopstein]

Material. Ø, Sarpsborg: Tune, Råkil (EIS 20), 1♂ 30 June 2005, leg. T.J. Olsen.

Distribution. Holarctic region, known from Finland and Sweden.

Syrphophilus tricinctus (Ashmead, 1902)

[det. S. Klopstein]

Material. TEI, Tinn: Kalhovd, 3 km E (EIS 34), 900–1100m, 2♀♀ 27 July 1987, leg. T. Munk.

Distribution. Known from the Nearctic region, not previously reported from the Palaearctic region.

Woldstedtius citropectoralis (Schmiedeknecht, 1926)

[det. S. Klopstein]

Material. Ø, Rygge: Ekeby, Telemarkslunden (EIS 19), 2♀♀ 19 May–17 June 1992, Malaise-trap, leg. L.O. Hansen & G. Walberg; Rygge: Ekeby, Gunnarsbybekken (EIS 19), Malaise-trap, 2♀♀ 19 May–17 June 1992, leg. L.O. Hansen & G. Walberg; BØ, Røyken: Kinnartangen [Kolåsen] (EIS 28), 1♀ 8 September–24 October 1991, Malaise-trap, leg. L.O. Hansen.

Distribution. Holarctic region, known from Finland and Sweden.

ICHNEUMONINAE

Phaeogenini

Centeterus rubiginosus (Gmelin, 1790)

[det. E. Diller]

Material. Ø, Sarpsborg: Tune, Råkil (EIS 20), 1♂ 15 August 2008, leg. T.J. Olsen.

Distribution. Palaearctic region, known from Finland and Sweden.

Heterischnus pulex (Müller, 1776)

[det. E. Diller]

Material. Ø, Rakkestad: Munkebråten (EIS 20), 1♂ 20 July 2010, leg. T.J. Olsen.

Distribution. Western Palaearctic region, known from Finland.

Oronotus binotatus (Gravenhorst, 1829)

[det. E. Diller]

Material. Ø, Halden: Vesttorp (EIS 20), 2♂♂ 15 July–1 August 2008; 1♀ 28 August–19 September 2008, Malaise-trap, leg. T.J. Olsen; Halden: Enningdalen (EIS 12), 1♂ 23 August 2009, leg. T.J. Olsen.

Distribution. Western Palaearctic region, known from Sweden.

Oedicephalini

Notosemus bohemani (Wesmael, 1855)

Material. Ø, Hvaler: Skjærhalden, Prestgårdskogen (EIS 12), 1♀ 4 July 2010, leg. T.J. Olsen.

Distribution. Western Palaearctic region, known from Finland and Sweden.

Platylabini

Platylabus pseudopumilio Riedel, 2008

Material. Ø, Halden: Enningdalen (EIS 12), 1♂ 17 July 2009, leg. T.J. Olsen.

Distribution. Western Palaearctic region, known from Finland.

Joppocryptini

Pseudoplatylabus violentus (Gravenhorst, 1829)

Material. Ø, Sarpsborg: Tomter S, Meander

(EIS 20), 1♀ 1–30 June 2011, leg. T.J. Olsen.

Distribution. Holarctic region, not previously recorded from Scandinavia.

Ichneumonini

***Acolobus sericeus* Wesmael, 1845**

Material. BV, Rollag: Kjomme (EIS 27), 1♂ 13 June 1995, leg. B. Sagvolden.

Distribution. Western Palaearctic region, known from Sweden.

***Barichneumon perversus* (Kriechbaumer, 1893)**

Material. OS, Sør-Aurdal: Bagn (EIS 44), 1♂ 8–12 July 1996, leg. T. Munk.

Distribution. Western Palaearctic region, not previously recorded from Scandinavia.

***Eupalamus lamentator* (Thunberg, 1824)**

Material. Ø, Rakkestad: Munkebråten (EIS 20), 1♀ 12 August 2010, leg. T.J. Olsen.

Distribution. Palaearctic region, known from Finland and Sweden.

***Eupalamus wesmaeli* (Thomson, 1886)**

Material. Ø, Sarpsborg: Tune, Råkil (EIS 20), 1♀ 15 July 2008, leg. T.J. Olsen.

Distribution. Palaearctic region, known from Finland and Sweden.

***Ichneumon amphibolus* Kriechbaumer, 1888**

Material. Ø, Rakkestad: Munkebråten (EIS 20), 1♀ 29 May 2011, leg. T.J. Olsen.

Distribution. Western Palaearctic region, known from Finland and Sweden.

***Ichneumon balteatus* Wesmael, 1845**

Material. Ø, Hobøl: Tomter Nord (EIS 29), 1♂ 17 June 2009, leg. A.L. Aase & T.J. Olsen.

Distribution. Palaearctic region, not previously recorded from Scandinavia.

***Ichneumon fulvicornis* Gravenhorst, 1829**

Material. ON, Ringeby: Venastul (EIS 63), 1♀ 30 July 2011, leg. T.J. Olsen.

Distribution. Central and Southern Europe, not previously recorded from Scandinavia.

***Ichneumon insidiosus* Wesmael, 1845**

Material. ON, Ringeby: Venabygdسفjell (EIS 63), 1♀ 1 August 2009, leg. T.J. Olsen.

Distribution. Palaearctic region, known from Finland and Sweden.

***Spilichneumon celenae* Perkins, 1953**

Material. BV, Rollag, Kjomme (EIS 27), 1♀ 13 June 1995, leg. B. Sagvolden; Ø, Sarpsborg: Tune, Vister (EIS 20), 1♀ 10 June 2005, leg. T.J. Olsen.

Distribution. Western Palaearctic region, known from Finland.

***Thyrateles camelinus* (Wesmael, 1845)**

Material. TEI, Tinn: Skinnarbu [3 km S of], 1060m, 1♂ 6 August 2005, leg. Ø. Berg; Ø, Sarpsborg: Sandbakken (EIS 20), 1♂ 9 September 2007, leg. T.J. Olsen.

Distribution. Palaearctic region, known from Finland.

Heresiarchini

***Coelichneumon funebrator* Hortsman, 2006**

[syn. *funebri* Holmgren praecocc.]

Material. BØ, Kongsberg: 500m, 1♀ 2 August 1973, leg. E. Hild (Coll. Stuttgart).

Distribution. Palaearctic region, known from Finland and Sweden.

MESOCHORINAE

***Astiphromma varipes* (Holmgren, 1860)**

Material. Ø, Sarpsborg: Grimsøya (EIS 20), 1♂ 13 June 2007, leg. T.J. Olsen.

Distribution. Palaearctic region, known from Finland and Sweden.

***Mesochorus bicinctus* Schwenke, 1999**

Material. BØ, Røyken: Kinnartangen [Kolåsén] (EIS 28), 1♂ 28 May–6 July 1991, Malaise-trap, leg. L.O. Hansen.

Distribution. Germany and Poland, not previously recorded from Scandinavia.

***Mesochorus curvicauda* Thomson, 1886**

Material. Ø, Sarpsborg: Tune, Råkil (EIS 20),

1♀ 10 May 2002, leg. T.J. Olsen.

Distribution. Western Palaearctic region, known from Sweden.

***Mesochorus gladiator* Schwenke, 1999**

Material. Ø, Sarpsborg: Iesjøbråten (EIS 20), 1♀ 14 June 2009, leg. T.J. Olsen.

Distribution. Known from Germany, not previously recorded from Scandinavia.

***Mesochorus haeselbarthi* Schwenke, 1999**

Material. Ø, Trøgstad: Hemnessjøen (EIS 20), 1♀ 25 June 1995, leg. T.J. Olsen.

Distribution. Austria and Italy, not previously recorded from Scandinavia.

***Mesochorus pyramideus* Schwenke, 1999**

Material. Ø, Sarpsborg: Skjeberg Kirke (EIS 20), 1♀ 24 September 2003, leg. T.J. Olsen.

Distribution. Only known from Sweden.

***Mesochorus salicis* Thomson, 1886**

Material. Ø, Sarpsborg: Sandbakken (EIS 20), 1♀ 1 August 2007, leg. T.J. Olsen.

Distribution. Western Palaearctic region, known from Sweden.

METOPIINAE

***Exochus semilividus* Vollenhoven, 1875**

[syn. *longicornis* Thomson]

Remark: Mesoscutum and Mesopleura reddish.

Material. Ø, Rakkestad: Munkebråten (EIS 20), 1♀ 1–31 August 2011, leg. T.J. Olsen.

Distribution. Palaearctic region, known from Sweden.

***Triclistus facialis* Thomson, 1887**

Material. OS, Sør-Aurdal: Bagn (EIS 44), 1♂ 8–12 July 1996, leg. T. Munk.

Distribution. Palaearctic region, known from Finland and Sweden.

TRYPHONINAE

Eclytini

***Eclytus (Anoplectes) multicolor* (Kriechbaumer, 1896)**

Material. Ø, Hvaler: Skjærhalden, Prestgårdskogen (EIS 12), 1♀ 2010 [no date], leg. T.J. Olsen.

Distribution. Palaearctic region, known from Finland and Sweden.

Tryphonini

***Cosmoconus hinzi* Kasparyan, 1971**

Material. Ø, Sarpsborg: Grimsøya (EIS 20), 1♀ 6 August 2010, leg. T.J. Olsen.

Distribution. Western Palaearctic region, known from Finland.

***Ctenochira validicornis* (Brischke, 1871)**

Material. Ø, Rakkestad: Munkebråten (EIS 20), 1♂ 21 July 2010, leg. T.J. Olsen.

Distribution. Palaearctic region, known from Sweden.

***Erromenus melanonotus* (Gravenhorst, 1829)**

Material. Ø, Sarpsborg: Sandbakken (EIS 20), 1♀ 1 August 2007, leg. T.J. Olsen.

Distribution. Palaearctic region, known from Finland and Sweden.

***Polyblastus stenhammari* Holmgren, 1857**

Material. Ø, Eidsberg: Haug Gård (EIS 29), 1♀ 21 June 2010, leg. A.L. Aase & T.J. Olsen.

Distribution. Palaearctic region, known from Finland and Sweden.

Cteniscini

***Eridolius curtisii* (Haliday, 1838)**

Material. ON, Ringeby: Venabygd fjell (EIS 63) 1♀ 1 August 2009, leg. T.J. Olsen.

Distribution. Palaearctic region, known from Finland and Sweden.

Corrections of previous records

Coelichneumon consimilis Wesmael, 1845 (Riedel & Hansen 2007) is in fact *Coelichneumon nigerrimus* (Stephens, 1835). *C. consimilis* has not been found in Norway so far, and should be removed from the Norwegian list.

Ephialtes brevis Morley, 1914 (Riedel *et al.* 2000) is in fact *Ephialtes zirnitsi* Ozols, 1962 (det. Klaus Horstmann). *Ephialtes zirnitsi* is a new record for Norway, *E. brevis* has not been recorded from Norway so far, and should be removed from the Norwegian list.

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