

Ichneumonidae (Hymenoptera) new to the Norwegian fauna

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The present paper contains new distributional records for 15 species of ichneumon wasps (Hymenoptera, Ichneumonidae) previously not reported from Norway, five species are reported for the first time from Nordic countries. Some previously published data are corrected.

Key words: Hymenoptera, Ichneumonidae, fauna, Norway.

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Introduction

The Ichneumonidae is the largest family within Hymenoptera, and one of the largest among insects. Due to the great diversity and difficulties in identification of many species in this group, our knowledge of the Norwegian fauna remains insufficient. During the last fifteen years, more than 400 species of Ichneumonidae were reported as new to the fauna of Norway (Riedel & Berg 1997, Riedel et al. 2000, 2005, Riedel & Hansen 2007, Hansen et al. 2010). Although in total more than 1600 species of Ichneumonidae have been listed for Norway so far (See Riedel & Berg 1997), published checklists from adjacent territories (Koponen et al. 1995, 2000a, 2000b, 2000c, 2003, 2008, 2009, Broad 2011) suggest that the Norwegian list is still very incomplete. Further, some species previously reported for Norwegian territory were misidentified and should be removed from the list. In this article we provide

distribution records for fifteen more species new to Norway.

Material

The Ichneumonidae recorded in this paper were collected in all parts of the country, usually by sweep-netting or Malaise traps. The subfamilies, tribes, genera, and species are listed in alphabetic order according to the recent Catalogue of World Ichneumonidae (Yu et al. 2005). Species distributions are based on the same catalogue, with minor changes. Species distributions in Nordic countries, adjacent or faunistically similar to Norway, are given in more detail. The faunistic divisions of Norway are listed and abbreviated according to Økland (1981).

The following abbreviations are used in the text: AEH = Andrei Humala, AEN = Anders Endrestøl, ASO = Arve Sommero, AVR = Alexey

Reshchikov, DWI = Dag Wisland, EHE = Erik Heibo, ERI = Eirik Rindal, GSØ = Geir Søli, KBE = Kai Berggren, KSU = Karsten Sund, LAA = Leif Aarvik, LOH = Lars Ove Hansen, LRN = Leif Reinhardt Natvig, MT = Malaise trap, OJL = Ole Lønnve, OSØ = Ove Sørlibråten, SKH = S. K. Hansen, SSV = Svein Svendsen, TED = T. Edland. The specimens listed in this paper are deposited in the following three museums: Natural History Museum, University of Oslo – ZMUN, Trondheim Museum of Natural History and Archaeology (Vitenskapsmuseet) – NTNU, and University Museum of Bergen (ZMUB). The Oslo and Bergen collections are abbreviated according to the list of insect and spider collections of the World (Evenhuis 2007).

Species new to Norway

BANCHINAE [identified by AEH]

Glyptini

Teleutaea brischkei (Holmgren, 1860)

Material. AK, Ullensaker: Holtmarka, Holtsetra (EIS 37), 5.IX.1999, 1♀, leg. OSØ (ZMUN).

Distribution. Palaeartic; Sweden, Finland, Latvia, Lithuania, NW Russia.

EUCEROTINAE [identified by AEH & AVR]

Euceros pruinus (Gravenhorst, 1829)

Material. AK, Sørum: Egner (EIS 37), 02.IX.1991, 1♂; VIII.1998, 1♂, leg. OSØ (ZMUN); MRI, Stranda: Geiranger (EIS 69, 62°06'35.90"N 7°12'9.58"E), 1.IX.2011, 2♀♀, leg. AVR (ZMUN); HOY, Tysnes: Ånuglo, 1.VI–1.VII.1989, 1♂, leg. Å. Simonsen (ZMUB).

Distribution. Palaeartic; Denmark, Sweden, Finland, Latvia, Lithuania, NW Russia.

METOPIINAE [identified by AEH]

Chorinaeus brevicar Thomson, 1887

Material. BØ, Lie: Lierskogen (EIS 38), 23.VI.2000, 1♂, leg. Erik Heibo; same locality, MT, 21.V–8.VI.2002, 1♂, leg. EHE & OJL; same

locality, MT, 8–24.VI.2002, 1♂, leg. EHE & OJL (all ZMUN).

Distribution. Palaeartic; Sweden, Lithuania, NW Russia.

Chorinaeus scrobipalpa Aeschlimann, 1983

Material. HES, Kongsvinger: Abborhøgda (EIS 38, 33V UG 591 746 (WGS84)), MT, 29.VII–10.VIII.2003, 1♀, leg. LOH & KSU (ZMUN).

Distribution. Western Palaeartic; new to Nordic countries.

Metopius (Ceratopius) mediterraneus Clément, 1930

Material. TEI, Kviteseid: Øvre Landsverk (EIS 17), MT, 15.VII–15.IX.1999, 1♂, leg. LOH & DWI (ZMUN).

Distribution. Palaeartic; NW Russia; new to Nordic countries.

Metopius (Ceratopius) scrobiculatus Hartig, 1838

Material. Ø, Hvaler: Vesterøy, Guttormsvauen (EIS 20), 26.VI.1995, 1♂, leg. OSØ; Moss: Jeløy, Nes (EIS 19), 2.VII.1997, 1♂, leg. OSØ; Fredrikstad: Merrapanna, Onsøy (EIS 20, 32V PL 026 628 (WGS84)), 29.–30.VI.2005, 1♂, leg. OJL; AK, Sørum: Søriløkka, Sørlibråten (EIS 37), 26.VII.2006, 1♂, leg. OSØ; Ullensaker: Holtmarka, Holtsætra (EIS 37), 28.VII.2000, 1♂, leg. OSØ; VAY, Kristiansand, Stangenes (EIS 2, 32V MK 493 423 (WGS84)), at light, VII.2001, 1♂, leg. SSV; TEY, Porsgrunn: Brevik, Åsstranda (EIS 11), 16.VI.2006, 1♂, leg. OSØ; Sandøya (EIS 11, 32V NL 414 466), 21.VI.1996, 1♂, leg. SKH, (all ZMUN).

Distribution. Palaeartic; Lithuania, NW Russia; new to Nordic countries.

Metopius (Peltastes) leiopygus Förster, 1850

Material. VE, Larvik: Larvik (EIS 19), 7.VIII.1911, 1♀, leg. LRN; AK, Oslo: Oslo [listed as Kristiania] (EIS 28), [no date], 1♀, leg. Collett (all ZMUN).

Distribution. Palaeartic; Finland, NW Russia (Karelia).

***Metopius (Peltastes) pinatorius* Brullé, 1846**

Material. **AK**, Sørum: Egner (EIS 37), 4.VIII.1991, 1♀, leg. OSø; **VAY**, Kristiansand: Grostøl (EIS 2, 32V MK 415 522 (WGS84)), 1.VII.2006, 1♂, leg. KBE; **HES**, Kongsvinger: Åranstorpet (EIS 38, 33V UG 578 768 (WGS84)), 8.VII.2004, 1♂, leg. KSU (all ZMUN), **STI**, Trondheim: Gjeddvatnet (EIS 92, 158 m a.s.l., 63,22°N 10,36°E), MT, 11.IX.2010, 1♀, leg. Eva Tilsseth (NTNU).

Distribution. Palaearctic; Finland.

***Trieces nitifrons* (Thomson, 1887)**

Material. **AK**, Oslo: Lindøya (EIS 37, 32V NM 9598 4048 (WGS84)), MT, 20.VII–5.IX.2006, 1♀, leg. AEN; Ekebergskråningen [NW], (32V NM 9845 4100 (WGS84)), MT, 29.V–27.VI.2007, 1 spec., 27.VI–8.VIII.2007, 1 spec., leg. AEN & LOH (all ZMUN).

Distribution. Palaearctic; Sweden, Finland.

***Trieces rufimitranae* Aeschlimann, 1973**

Material. **AK**, Sørum: Egner (EIS 37), in bird nest, 9.VI.1998, 1♂, leg. OSø (ZMUN).

Distribution. Palaearctic; new to Nordic countries.

PIMPLINAE [identified by AEH]

Ephialtini

***Zatypota albicoxa* (Walker, 1874)**

Material. **VE**, Larvik: Farris, Vemannsås (EIS 19, 32V NL 5428 5545 (WGS84)), MT, 30.VIII–22.X.2007, 1♀, leg. LOH & ERI (ZMUN).

Distribution. Oriental, Palaearctic; Denmark, Sweden, Finland.

Remarks. The species was previously reported for Norway (Riedel et al. 2000), but later it was removed from the Norwegian check-list of Ichneumonidae because of misidentification (Riedel & Hansen 2007).

TERSILOCHINAE [identified by AVR]

***Barycnemis confusa* Horstmann, 1981**

Material. **AK**, Ullensaker: Sessvollmoen (EIS 37, 32V PM 1777 8051 (WGS84)), MT, 11.–26.

VI.2007, 2♀♀1♂, leg. LOH (all ZMUN).

Distribution. Palaearctic; Denmark, Lithuania, Sweden, Russia.

TRYPHONINAE [identified by AVR]

Exenterini

***Kristotomus laticeps* (Gravenhorst, 1829)**

Material. **VE**, Sandefjord: Goksjø, Svines (EIS 19), 20.X.1989, 1♀, leg. ASO; **AK**, Bærum: Bærumsmarka (EIS 28), 15.IX.1996, 2♀♀, leg. OJL; **TEI**, Sauherad: Sauherad prestegård (EIS 18), 31.XI.1971, 1♂, leg. TED (all ZMUN).

Distribution. Palaearctic; Sweden, NW Russia.

Tryphonini

***Ctenochira gelida* Kasparyan, 1973**

Material. **BØ**, Hurum: Tofteholmen (EIS 19, 32V NL 882 984 (WGS84)), VII.1991, 1♀, leg. LOH; **FV**, Alta: Gargia (EIS 165, 34W EC 964 459), MT, 26.VI–6.VIII.1996, 1♀1♂, leg. LOH (all ZMUN).

Distribution. Palaearctic; Sweden, Finland, NW Russia.

***Ctenochira helveticator* Aubert, 1965**

Material. **BØ**, Lier: Lierskogen (EIS 28), 16.VII.1997, 1♂, leg. EHE (ZMUN).

Distribution. Western Palaearctic; new to Nordic countries.

Corrections

A recently published paper on Norwegian Ichneumonidae (Hansen et al. 2010), based on our identifications of the specimens deposited at ZMUN, was prepared for publication without our participation. Some corrections are given below.

***Hyperacmus crassicornis* (Gravenhorst, 1829).** This species is reported twice within the subfamily Orthocentrinae, in Helictini and in Orthocentrini, with different material and distribution listed (Hansen et al. 2010). According to the Taxapad (Yu et al. 2005) its distribution in

Nordic countries includes Finland, Sweden, Latvia and Lithuania. Currently, *Hyperacmus Holmgren, 1858* is treated as a member of the *Cylloceriinae* (Quicke et al. 2009).

***Ephialtes spatulatus* (Townes, 1960).** The name listed by Hansen et al. (2010; 183) is a junior synonym. The valid name for this species is *E. duplicauda* Heinrich, 1949 (Horstmann 2008).

Tribe Polysphinctini (Pimplinae). The tribe name *Polysphinctini* Hellén, 1915 used by Hansen et al. (2010; 184) is currently treated as a junior synonym of *Ephialtini* Hellén, 1915 (Wahl & Gauld 1998). An informal *Polysphincta* genus-group is recognized within *Ephialtini* (Wahl & Gauld 1998).

***Polysphincta nielseni* (Roman, 1923).** This name was listed by Hansen et al. (2010; 184), but the species has been transferred to the genus *Reclinervellus* He et Ye, 1998 (Gauld & Dubois 2006). The valid combination is *Reclinervellus nielseni* (Roman, 1923).

***Sinarachna anomala* (Holmgren, 1860).** The name was listed by Hansen et al. (2010; 184), but the species has been transferred to the genus *Zatypota* Förster, 1869 (Zwakhals 2006, Gauld & Dubois 2006). The valid combination for this species is *Zatypota anomala* (Holmgren, 1860).

***Zapedias exornatus* (Gravenhorst, 1829).** This species was listed by Hansen et al. (2010; 184). However, *Zapedias* Förster, 1869 was synonymized with *Eclytus* Holmgren, 1857 (Townes et al. 1965) and is currently treated as a subgenus of *Eclytus* (Kasparyan & Tolkanitz 1999). The valid combination for this species is *Eclytus (Zapedias) exornatus* (Gravenhorst, 1829).

***Labroctonus westringi* (Holmgren, 1857).** This species was listed by Hansen et al. (2010; 185). However, *Labroctonus* Förster, 1869 is currently treated as a subgenus of *Polyblastus* Hartig, 1837 (Townes & Townes 1949). The valid combination for this species is *Polyblastus (Labroctonus) westringi* Holmgren, 1857.

***Smicroplectrus*.** Both species of *Smicroplectrus* reported by Hansen et al. (2010; 185), namely *S. modestus* Kasparyan, 1976 and *S. paulipecten* Kasparyan, 1990, are misidentifications, and in fact represent *S. bohemani* (Holmgren, 1857)

already known for Norway.

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