

# Ichneumonidae (Hymenoptera) new for the fauna of Norway, Part 8

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In this faunistic survey, distributional information is given for 48 taxa of parasitoid wasps of the family Ichneumonidae (Hymenoptera) which are newly recorded for Norway. Nine of them have not been reported from Scandinavia, namely *Lissonota albicoxis* Kriechbaumer, 1888, *Campoplex punctatus* (Szepligeti, 1916), *Campoplex rufocinctus* Horstmann, 1985, *Campoplex tumidulus* Gravenhorst, 1829, *Hyposoter caudator* Horstmann, 2008, *Hyposoter maculatus* (Hedwig, 1938), *Barytarbes flavicornis* (Thomson, 1892), *Rhinotorus longicornis* (Schmiedeknecht, 1916), and *Syspasis carinator* (Fabricius, 1798).

Key words: Ichneumonidae, Banchinae, Campopleginae, Cryptinae, Ctenopelmatinae, Ichneumoninae, Tersilochinae, Tryphoninae, Norway, Scandinavia, new records.

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## Introduction

The Ichneumonidae is a very diverse group of parasitic Hymenoptera in Northern Europe, but our knowledge of the taxonomy, biology, and distribution of many species is still incomplete.

In the last decades, the Norwegian Ichneumonidae have been extensively studied by several researchers resulting in more than 700 new reports for the fauna of Norway (Hansen *et al.* 2010, Haraldseide 2015, 2016, 2017, Humala & Reshchikov 2012, 2014, Riedel & Berg 1997, Riedel, Hansen & Berg 2000, Riedel *et al.* 2005, Riedel & Hansen 2007, 2012, 2013, 2015).

In this paper, 48 species of Ichneumonidae are added to the Norwegian list, including nine of them not previously recorded for Scandinavia.

## Material and methods

The Ichneumonidae recorded in this paper were mainly collected in Southern and Southeastern

parts of the country, usually collected by hand netting and in Malaise traps.

The subfamilies and tribes are listed in alphabetic order according to the recent classification of Broad *et al.* (2018). For the distributional records, the catalogue of Yu *et al.* (2016) was used, but only the Scandinavian countries are mentioned here. The faunistic divisions of Norway follow Økland (1981) and are given in **bold**.

The material mentioned in the following list is deposited in the personal collection of the author.

## List of species

### BANCHINAE

#### *Exetastes fornicator* (Fabricius, 1781)

**Material:** Ø, Hvaler: Spjærøy, Tredalen (EIS 20), N 59.10237° E 10.92961°, 1♂ 16 June 2018, leg. T. J. Olsen.

**Distribution:** Holarctic and Oriental regions;

Denmark, Finland, Norway and Sweden.

***Glypta (Glypta) pictipes* Taschenberg, 1863**

**Material:** Ø, Hvaler: (Kirkøy) Skjærhalden (Prestegårdsskogen) (EIS 12), N 59.02546° E 11.02664°, Malaise trap, 1♂ 10 August–1 September 2014, leg. Thor Jan Olsen.

**Distribution:** Europe; Finland, Norway.

***Lissonota albicoxis* Kriechbaumer, 1888**

**Material:** Ø, Hvaler: (Kirkøy) Skjærhalden (Prestegårdsskogen) (EIS 12), N 59.02546° E 11.02664°, 1♀ July 2010, leg. Thor Jan Olsen.

**Distribution:** Central and Southeastern Europe, Norway (new for Scandinavia).

CAMPOPLEGINAE

***Campoletis rufifasciatae* Riedel, 2017**

**Material:** Ø, Spydeberg: Bjerkebakke (EIS 20), N 59.58343° E 11.02626°, 1♀ 3 June 2015, leg. Gro R. Aase & Thor Jan Olsen.

**Distribution:** Europe; Norway and Sweden.

***Campoplex punctulatus* (Szepligeti, 1916)**

**Material:** Ø, Hvaler: Vesterøy, Sandholmen (EIS 20), N 59.07551° E 10.86064°, 1♀ 21 August 2017, leg. Thor Jan Olsen.

**Distribution:** Central and Southern Europe, Norway (new for Scandinavia).

***Campoplex rufocinctus* Horstmann, 1985**

**Material:** BØ, Drammen: Underlia (EIS 28), N 59.73347° E 10.04595°, Malaise trap, 1♀ May 1994, leg. Lars Ove Hansen; Ø, Sarpsborg: (Tune), Holleby (EIS 20), N 59.34435° E 11.11598°, Malaise trap, 1♀ September 2015, leg. Thor Jan Olsen.

**Distribution:** Germany, Poland, Norway (new for Scandinavia).

***Campoplex tumidulus* Gravenhorst, 1829**

**Material:** Ø, Rygge: island Eløya (EIS 19), N 59.32296° E 10.64805°, Malaise trap, 3♀ 27 April–31 May 2018, leg. Thor Jan Olsen.

**Distribution:** Palaearctic region; Norway (new for Scandinavia).

***Casinaria mesozosta* (Gravenhorst, 1829)**

**Material:** Ø, Hobøl: Tomter (s meander) (EIS 20), N 59.646674° E 10.98812°, Malaise trap, 1♀ August 2011, leg. Thor Jan Olsen; Ø, Hobøl: Gaupstein (EIS 29), N 59.69559° E 10.99189°, Malaise trap, 1♀ 30 July–20 September 2013, leg. Thor Jan Olsen; Ø, Spydeberg: Myrvold (EIS 20), N 59.53458° E 11.01041°, 2♀ 5 July 2017, leg. Thor Jan Olsen.

**Distribution:** Western Palaearctic region; Finland, Norway and Sweden.

***Casinaria nigripes* (Gravenhorst, 1829)**

**Material:** Ø, Aremark: Kutjern (EIS 21), N 59.27711° E 11.58547°, Malaise trap, 1♀ June 2013, 1♀1♂ 20 August–10 September 2014, leg. Thor Jan Olsen.

**Distribution:** Palaearctic and Oriental regions; Finland and Norway.

***Dusona opaca* (Thomson, 1887)**

**Material:** Ø, Aremark: Kutjern (EIS 21), N 59.27711° E 11.58547°, Malaise trap, 1♀ 19 April–25 May 2014, leg. Thor Jan Olsen; Ø, Hvaler: (Kirkøy) Skjærhalden (Prestegårdsskogen) (EIS 12), N 59.02546° E 11.02664°, 1♂ July 2010, leg. Thor Jan Olsen

**Distribution:** Palaearctic; Finland and Norway.

***Eriborus obscurus* Horstmann, 1987**

**Material:** Ø, Sarpsborg: (Tune), Holleby (EIS 20), N 59.34435° E 11.11598°, Malaise trap, 1♀ September 2015, leg. Thor Jan Olsen.

**Distribution:** Germany, Poland, Norway (new for Scandinavia).

***Hyposoter caudator* Horstmann, 2008**

**Material:** Ø, Hvaler: Vesterøy, Sandholmen (EIS 20), N 59.07551° E 10.86064°, 1♀ 25 July 2017, leg. Thor Jan Olsen.

**Distribution:** Switzerland, Spain, Norway (new for Scandinavia).

***Hyposoter maculatus* (Hedwig, 1938)**

**Material:** Ø, Aremark: Kutjern (EIS 21), N 59.27711° E 11.58547°, Malaise trap, 1♀ June 2013, leg. Gro R. Aase & Thor Jan Olsen

**Distribution:** Poland, Norway (new for Scandinavia).

CTENOPELMATINAE  
Pionini

***Nepiesta tricingulata* Horstmann, 1973**

**Material:** Ø, Spydeberg: Myrvold (EIS 20), N 59.53458° E 11.01041°, Malaise trap, 1♂ May 2016, leg. Thor Jan Olsen

**Distribution:** Northern and Central Europe; Norway and Sweden.

***Lethades curvispina* (Thomson, 1883)**

**Material:** Ø, Spydeberg: Myrvold (EIS 20), N 59.53458° E 11.01041°, 1♀ 31 May 2017, leg. Thor Jan Olsen.

**Distribution:** Palaearctic region; Finland, Norway and Sweden.

***Olesicampe binotata* (Thomson, 1887)**

**Material:** Ø, Sarpsborg: (Tune), Holleby (EIS 20), N 59.34435° E 11.11598°, 2♂♂ 25 June 2014, leg. Gro R. Aase & Thor Jan Olsen. This species had been reported from VAY, Mandal by Roman (1942) as doubtful determination.

**Distribution:** Palaearctic, previously known from Finland.

Mesoleiini

***Barytarbes flavicornis* (Thomson, 1892)**

**Material:** Ø, Rakkestad: Degernes, Munkebråten (EIS 20), N 59.24667° E 11.39068°, Malaise trap, 1♀ September 2010, leg. Thor Jan Olsen.

**Distribution:** Palaearctic region, Norway (new for Scandinavia).

***Tranosema latiusculum* Thomson, 1887**

**Material:** Ø, Aremark: Kutjern (EIS 21), N 59.27711° E 11.58547°, Malaise trap, 2♀♀ May 2014, leg. Thor Jan Olsen; Ø, Halden: (Rokke), Vesttorp (EIS 20), N 59.19547° E 11.29.318°, Malaise trap, 1♀ 22 May–6 June 2014, leg. Thor Jan Olsen.

**Distribution:** Palaearctic region; Finland, Norway and Sweden.

***Campodorus astutus* (Holmgren, 1876)**

**Material:** Ø, Aremark: Lindtjern (EIS 21), N 59.18758° E 11.64770°, 1♀ 30 June 2015, leg. Gro R. Aase & Thor Jan Olsen.

**Distribution:** Northern and Central Europe; Finland, Norway and Sweden.

CRYPTINAE

***Hoplocryptus heliophilus* (Tschek, 1871)**

**Material:** Ø, Rygge: island Eløya (EIS 19), N 59.32296° E 10.64805°, Malaise trap, 1♀ 10–20 July 2018, leg. Thor Jan Olsen.

**Distribution:** Palaearctic region; Finland and Norway.

***Campodorus nematocida* (Horstmann, 1984)**

**Material:** Ø, Hvaler: (Kirkøy) Skjærhalden (Prestegårdsskogen) (EIS 12), N 59.02546° E 11.02664°, 1♀ 4 June 2010, leg. Thor Jan Olsen.

**Distribution:** Northern and Central Europe; Denmark and Norway.

***Xylophrurus dentatus* (Taschenberg, 1865)**

**Material:** Ø, Hvaler: Vesterøy, Vauer (EIS 20), N 59.10056° E 10.85213°, Malaise trap, 1♀ 10–20 July 2018, leg. Thor Jan Olsen.

**Distribution:** Europe; Finland and Norway.

***Mesoleius subroseus* Thomson, 1888**

**Material:** Ø, Hobøl: Tomter (s meander) (EIS 20), N 59.646674° E 10.98812°, 1♀ 28 June 2010, leg. Gro R. Aase & Thor Jan Olsen.

**Distribution:** Europe; Finland, Norway and Sweden.

***Mesoleius stenostigma* Thomson, 1894**

**Material:** Ø, Spydeberg: Bjerkebakke (EIS 20), N 59.58343° E 11.02626°, 1♀ 3 June 2015, leg. Gro R. Aase & Thor Jan Olsen.

**Distribution:** Norway and Sweden.

***Rhinotorus jussilai* Reshchikov, 2016**

**Material:** Ø, Halden: (Idd), Enningdalen (Kirkeboen) (EIS 12), N 58.89573° E 11.51754°, 1♀ 21 June 2009, leg. Thor Jan Olsen.

**Distribution:** Finland, Norway and United Kingdom.

***Rhinotorus longicornis* (Schmiedeknecht, 1914)**

**Material:** Ø, Marker: Buviken (EIS 20), N 59.57619° E 11.51891°, Malaise trap, 1♀ 15 June–20 July 2016, leg. Thor Jan Olsen.

**Distribution:** Central Europe and Norway (new for Scandinavia).

Euryproctini

***Hadrodactylus idari* Kasparyan & Shaw, 2009**

**Material:** Ø, Hvaler: (Kirkøy) Skjærhalden (Prestegårdsskogen) (EIS 12), N 59.02546° E 11.02664°, 1♀ 4 June 2010, leg. Thor Jan Olsen

**Distribution:** Palaeartic region; Norway and Sweden.

ICHNEUMONINAE

Phaeogenini

***Diadromus collaris* (Gravenhorst, 1829)**

**Material:** Ø, Sarpsborg: (Tune), Holleby (EIS 20), N 59.34435° E 11.11598°, Malaise trap, 3♀♀ 10–31 May 2015, 1♀ 11 August 2015, leg. Thor Jan Olsen

**Distribution:** Almost worldwide; Finland, Norway and Sweden.

***Diadromus pulchellus* Wesmael, 1845**

(det. E. Diller)

**Material:** Ø, Sarpsborg: Tune, Råkil (EIS 20), N 59.29737° E 11.10056°, 1♀ 18 June 1993, leg. Thor Jan Olsen.

**Distribution:** Europe; Finland, Norway and Sweden.

***Diaschisapsis campoplegoides* Holmgren, 1890**

**Material:** Ø, Spydeberg: Myrvold (EIS 20), N 59.53458° E 11.01041°, Malaise trap, 1♀ 28 July–5 September 2017, leg. Thor Jan Olsen.

**Distribution:** Europe; Finland, Norway and Sweden.

***Tycherus elongatus* (Thomson, 1891)**

(det. E. Diller)

**Material:** Ø, Sarpsborg: (Tune), Holleby (EIS 20), N 59.34435° E 11.11598°, Malaise trap, 1♀ 10–31 May 2015, leg. Thor Jan Olsen.

**Distribution:** Western Palaeartic region; Finland, Norway and Sweden.

Ichneumonini

***Exephanes ischioxanthus* (Gravenhorst, 1829)**

**Material:** Ø, Marker: Buviken (EIS 20), N 59.57619° E 11.51891°, Malaise trap, 1♀ 18 August–8 October 2016, leg. Thor Jan Olsen.

**Distribution:** Palaeartic region; Finland, Norway and Sweden.

***Ichneumon exilicornis* Wesmael, 1857**

**Material:** Ø, Hvaler: Vesterøy, Sandholmen (EIS 20), N 59.07551° E 10.86064°, 1♀ 10 July 2018, leg. Thor Jan Olsen.

**Distribution:** Palaeartic region; Finland, Norway and Sweden.

***Virgichneumon extremator* (Thunberg, 1822)**

**Material:** Ø, Marker: Buviken (EIS 20), N 59.57619° E 11.51891°, 1♀ 2 July 2015, leg. A. Gjørøw & Thor Jan Olsen.

**Distribution:** Western Palaeartic region; Finland, Norway and Sweden.

***Virgichneumon krapinensis* (Schmiedeknecht, 1928)**

**Material:** Ø, Aremark: Kutjern (EIS 21), N 59.27711° E 11.58547°, 2♀♀ 25 July 2014, leg. Gro R. Aase & Thor Jan Olsen.

**Distribution:** Europe; Norway and Sweden.

Heresiarchini

***Coelichneumon cretatus* (Gravenhorst, 1820)**

**Material:** Ø, Sarpsborg: Grimsøy, Dusa (EIS 20), N 59.13327° E 11.17799°, 1♀ 5 August 2018, leg. Thor Jan Olsen; Ø, Fredrikstad: Gansrød (EIS 20), N 59.19713° E 10.99386°, 1♂ 19 August 2012, leg. Thor Jan Olsen.

**Distribution:** Palaeartic region; Finland, Norway and Sweden.

***Coelichneumon validus* (Berthoumieu, 1894)**

**Material:** Ø, Sarpsborg: (Tune), Holleby (EIS 20), N 59.34435° E 11.11598°, Malaise trap, 1♀ 20–30 July 2015, leg. Thor Jan Olsen.

**Distribution:** Palaearctic region; Finland, Norway and Sweden.

***Sypsasis carinator* (Fabricius, 1798)**

**Material:** Ø, Hvaler: Vesterøy, Vauer (EIS 20), N 59.10056° E 10.85213°, 1♀ 3 July 2017, leg. Thor Jan Olsen.

**Distribution:** Palaearctic region, Norway (new for Scandinavia).

PHYGADEUONTINAE

***Arotrephes perfusor* (Gravenhorst, 1829)**

**Material:** Ø, Aremark: Kutjern (EIS 21), N 59.27711° E 11.58547°, Malaise trap, 1♀ June 2013, leg. Thor Jan Olsen

**Distribution:** Europe; Finland, Norway and Sweden.

***Bathythrix argentata* (Gravenhorst, 1829)**

**Material:** Ø, Sarpsborg: (Skjeberg), Næss (EIS 20), N 59.29495° E 11.23417°, Malaise trap, 1♀ 8 August–29 September 2015, leg. Thor Jan Olsen.

**Distribution:** Western Palaearctic region; Denmark, Norway and Finland.

***Dichrogaster liostylus* (Thomson, 1885)**

**Material:** Ø, Fredrikstad: Gansrød (EIS 20), N 59.19713° E 10.99386°, Malaise trap, 1♂ 16–27 May 2017, leg. Thor Jan Olsen.

**Distribution:** Palaearctic and Oriental regions; Finland and Norway.

***Endasys rusticus* (Habermehl, 1912)**

**Material:** Ø, Fredrikstad: Gansrød (EIS 20), N 59.19713° E 10.99386°, Malaise trap, 1♂ 1–10 July 2018, leg. Thor Jan Olsen.

**Distribution:** Europe; Denmark, Finland, Norway and Sweden.

***Orthizema hadrocerum* (Thomson, 1884)**

**Material:** Ø, Hobøl: Gaupenstein (EIS 29), N 59.69559° E 10.99189°, Malaise trap, 1♀ 18

June–27 August 2014, leg. Thor Jan Olsen; Ø, Sarpsborg: (Tune), Holleby (EIS 20), N 59.34435° E 11.11598°, Malaise trap, 1♀ September 2015, leg. T.J. Olsen; Ø, Spydeberg: Myrvold (EIS 20), N 59.53458° E 11.01041°, 1♀ 8 August 2016, leg. Thor Jan Olsen.

**Distribution:** Western Palaearctic region; Finland, Norway and Sweden.

PIMPLINAE

***Delomerista novita europa* Gupta, 1982**

**Material:** Ø, Halden: (Rokke), Vesttorp (EIS 20), N 59.19547° E 11.29.318°, Malaise trap, 1♀ 15 August–11 September 2013, leg. Thor Jan Olsen.

**Distribution:** Palaearctic region; Finland, Norway and Sweden.

TERSILOCHINAE

***Phrudus defectus* Stelfox, 1966**

**Material:** Ø, Hvaler: (Kirkøy) Skjærhalden (Prestegårdsskogen) (EIS 20), N 59.02546° E 11.02664°, 1♀ 4 June 2010, leg. Thor Jan Olsen.

**Distribution:** Europe; Finland, Norway and Sweden.

TRYPHONINAE

***Polyblastus (Labroctonus) alternans* Schiødte, 1838**

**Material:** Ø, Sarpsborg: (Tune), Holleby (EIS 20), N 59.34435° E 11.11598°, 1♀ 10 July 2017, leg. Thor Jan Olsen.

**Distribution:** Holarctic regions; Denmark, Finland, Norway and Sweden.

XORIDINAE

***Xorides alpestris* (Habermehl, 1903)**

**Material:** Ø, Hobøl: Gaupenstein (EIS 29), N 59.69559° E 10.99189°, Malaise trap, 1♀ August 2014, leg. Thor Jan Olsen; Ø, Aremark: Kutjern (EIS 21), N 59.27711° E 11.58547°, Malaise trap, 2♀♀ 25 May–25 July 2014, leg. Gro R. Aase & Thor Jan Olsen.

**Distribution:** Palaearctic region; Finland,

Norway and Sweden.

### *Xorides filiformis* (Gravenhorst, 1829)

**Material:** Ø, Aremark: Kutjern (EIS 21), N 59.27711° E 11.58547°, Malaise trap, 1♀ 25 May–25 July 2014, leg. Gro R. Aase & Thor Jan Olsen.

**Distribution:** Western Palaearctic region; Finland, Norway and Sweden.

### Discussion

The Ichneumonidae represents a very species-rich insect family in many countries of the Western Palaearctic region. Up to now, more than 1900 species of Ichneumonidae have been found in Norway (Yu *et al.* 2016). This number is far less than it has been reported from other Scandinavian countries; e.g. more than 2750 Ichneumonidae are known from Finland (Yu *et al.* 2016). One can assume that further collections and faunistic studies will substantially increase the number of known Ichneumonid species in Norway in the future.

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### References

Broad, G.R., Shaw, M.R. & Fitton, M.G. 2018. Ichneumonid wasps (Hymenoptera: Ichneumonidae): their Classification and Biology. *Handbooks for the Identification of British Insects* Vol. 7, Part 12. Royal Entomological Society, London, 1–417.

Hansen, L.O., Humala, A. & Reshchikov, A.V. 2010. Ichneumonidae (Hymenoptera) new for the fauna of Norway, Part 4. *Norwegian Journal of Entomology* 57, 177–186.

Haraldseide, H. 2015. Five ichneumonid wasps (Hymenoptera, Ichneumonidae) new for Norway. *Norwegian Journal of Entomology* 62, 133–134.

Haraldseide, H. 2016. Fourteen ichneumonid wasps

(Hymenoptera, Ichneumonidae) new to Norway. *Norwegian Journal of Entomology* 63, 120–122.

Haraldseide, H. 2017. Twenty-one ichneumonid wasps (Hymenoptera, Ichneumonidae) new to Norway. *Norwegian Journal of Entomology* 64, 134–137.

Humala, A.E. & Reshchikov, A.V. 2012. Ichneumonidae (Hymenoptera) new for the Norwegian fauna. *Norwegian Journal of Entomology* 59, 67–71.

Humala, A.E., Reshchikov, A.V. 2014. Ichneumonidae (Hymenoptera) species new to the fauna of Norway. *Biodiversity Data Journal* 2, e1047. doi: 10.3897/BDJ.2.e1047

Økland, K.A. 1981. Inndeling av Norge til bruk ved biogeografiske oppgaver – et revidert Strandsystem. *Fauna, Oslo* 34, 167–178.

Riedel, M. & Berg, Ø. 1997. Faunistic remarks on Norwegian Ichneumonidae (Hymenoptera). *Fauna norvegica* Ser B 44, 39–53.

Riedel, M., Hansen, L.O. & Berg, Ø. 2000. Ichneumonidae (Hymenoptera) new for the fauna of Norway. *Norwegian Journal of Entomology* 47, 163–176.

Riedel, M., Hansen, L.O. & Berg, Ø. 2005. Ichneumonidae (Hymenoptera) new for the fauna of Norway, Part 2. *Norwegian Journal of Entomology* 52, 151–162.

Riedel, M. & Hansen, L.O. 2007. Ichneumonidae (Hymenoptera) new for the fauna of Norway, Part 3. *Norwegian Journal of Entomology* 54, 59–64.

Riedel, M. & Hansen, L.O. 2012. Ichneumonidae (Hymenoptera) new for the fauna of Norway, Part 5. *Norwegian Journal of Entomology* 59, 219–228.

Riedel, M. & Hansen, L.O. 2013. Ichneumonidae (Hymenoptera) new for the fauna of Norway, Part 6. *Norwegian Journal of Entomology* 60, 190–195.

Riedel, M. & Hansen, L.O. 2015. Ichneumonidae (Hymenoptera) new for the fauna of Norway, Part 7. *Norwegian Journal of Entomology* 62, 180–187.

Roman, A. (1942). List of new finds of Ichneumonidae in Norway. *Tromsø Mus Arsheft, Nat Avd* 23 (60), 1–20.

Yu, D., van Achterberg, C. & Horstmann, K. 2016. *Taxapad 2016 – World Ichneunoidea 2015. Taxonomy, Biology, Morphology and Distribution.* – On USB Flash drive. www.taxapad.com. Nepean, Ontario, Canada.

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