

Faunistical notes on Norwegian Proctotrupidae (Hymenoptera)

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Some new records of Proctotrupidae are presented, and previous Norwegian records of the family are reviewed and commented upon.

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The present paper presents new records of *Proctotrupidae* from Norway, and gives a complete review of previous Norwegian records in order to create a starting point for subsequent work on the family.

MATERIAL AND IDENTIFICATION

The new records have been obtained from material collected by Dag Dolmen/IBP (DD), Sigmund Hågvar (SH), Anders Olsen (AO) and myself (PS). Methods of collecting: Colour traps by DD (Yellow) and AO (brown), pitfall traps by SH and sweeping by PS. The material collected by DD was collected in rich deciduous forests, by SH in coniferous wood, by AO in coniferous forest (STi: Oppdal, Kongsvoll), deciduous forest at the edge of a cultivated field (STi: Trondheim, Vold) and close to *Salix*-shrubs (STi: Oppdal, Kongsvoll), by PS in *Salix*-shrubs (STi: Oppdal, Kongsvoll) and on *Carex* sp. at the edge of a small pond (VE:Tjøma, Mostrand).

The nomenclature and identification follows Pschorn-Walcher (1971). The males of the genus *Codrus* are considered difficult to identify (Pschorn-Walcher 1971). The available keys (Nixon 1938, Pschorn-Walcher 1971) does not work well on the males from the present material, and thus I found it necessary at this point to delete *Codrus*-males from the list. The geographical division follows Strand (1943) with names and limits updated. The material is kept in the collection of The Royal Norwegian Society of Sciences and Letters, The Museum.

NEW RECORDS

Cryptoserphus laricis (Haliday, 1839) STi:Oppdal, Kongsvoll 6 Aug. 1978, 1 ♂, AO.

- C. foveolatus* (Möller, 1882) AAy:Åmli 19 Sept. 1978, 4 ♀ ♀, SH.
- C. cumaenus* Nixon, 1938 AA4:Åmli 29 Aug. 1978, 2 ♀ ♀, SH.
- C. aculeator* (Haliday, 1839) MRy:Bøfjord, Kallset 10 Nov. 1971, 1 ♂, DD.
- Brachyserphus laeviceps* (Thomson, 1858) Nsi: Beiarn, Arstad 28–30 June 1972, 1 ♀, DD.
- Disogmus areolator* (Haliday, 1839) MRi:Rindal, Dalsegga 12–20 June 1972, 1 ♀, DD; STi:Oppdal, Kongsvoll 2–16 Sept. 1978, 2 ♀ ♀, 1 ♂, PS; Støren, Rognes 9–10 Sept. 1972, 1 ♂, DD. None of the specimens have signs of reddish brown on the mesonotum as *D. nigripennis* Thomson, 1858, which Pschorn-Walcher (1971) considers a colour-variant only of *D. areolator*.
- Proctotrupes gravidator* (L., 1758) MRi:Rindal, Dalsegga 6–9 Juni 1971, 2 ♂ ♂, DD.
- Partenocodrus elongatus* (Haliday, 1839) AAy:Åmli 19 Sept. 1978, 1 ♀, SH; STi:Trondheim, Steinan 21 Sept. 1978, 1 ♂, PS.
- Phaenoserphus calcar* (Haliday, 1839) MRy:Tingvoll, Eikren 12–14 July 1971, 2 ♂ ♂, DD; Tingvoll, Vulvik 12–18 July 1971, 1 ♀, DD; MRi:Rindal, Dalsegga 19–20 June 1972, 1 ♀, DD; STy:Snillfjord 17–18 Aug. 1971, 1 ♂, DD; STi:Byneset 21 June 1971, 1 ♂, DD; Trondheim, Vold 2 Aug. 1978, 1 ♀, ♂, AO; Selbu, Nedal 6 Aug. 1972, 1 ♂, DD; NTy:Nærøy, Grytsoger 9 Aug. 1971, 1 ♀, DD.
- Ph. pallipes* (Latreille, 1809) MRy:Rindal, Dalsegga 6–9 July 1971, 1 ♀, DD; STi:Støren, Rognes 9–10 Aug. 1972, 1 ♂, DD, Byneset, Mule 25 Aug. 1972, 1 ♂, DD; Nsi:Beiarn, Arstad 28–30 June 1972, 2 ♂ ♂, DD.
- Ph. vexator* Nixon, 1938 STi:Støren, Rognes 18–19 Aug. 1971, 2 ♀ ♀, DD; NTi:Steinkjer, Byahalla 5–7 July 1972, 1 ♀, DD.
- Ph. fuscipes* (Haliday, 1839) MRi:Rindal, Dalsegga 12–20 Aug. 1972, 1 ♀, DD; STi:Orkdal, Dragset 15–16 Aug. 1972, 1 ♀, DD; Oppdal, Kongsvoll 23 Aug.–5. Sept. 1978, 2 ♂ ♂, PS. 2 Aug. 1978, 1 ♂, AO; Klæbu, Målsjøen 15 July 1978, 1 ♂, AO; Nsi: Beiarn, Arstad 28–30 June 1972, 1 ♀, DD.

- Ph. viator* (Haliday, 1839) STi:Trondheim, Vold 2 Aug. 1978, 1 ♀, AO; Støren, Rognes 18–19 Aug. 1971, 1 ♀, DD; Byneset, Mule 25 Aug. 1972, 1 ♀, DD.
- Ph. dubiosus* Nixon, 1938 MRi:Rindal, Dalsegga May 1972, 1 ♂, DD.
- Codrus brevicornis* (Haliday, 1839) MRy:Tingvoll, Eikren 12–14 July 1971, 1 ♀, DD; MRi:Rindal, Dalsegga 19–20 June 1972, 1 ♀, DD; STi:Støren, Rognes 9–10 Aug. 1972, 1 ♀, DD; Trondheim, Steinan 27 Sept. 1978, 4 ♀ ♀, PS (habitat unknown).
- C. ligatus* Nees, 1834 VE:Tjøme, Mostrand 19 Aug. 1978, 1 ♀, PS; STy:Snillfjord 17–18 Aug. 1971, 1 ♀, DD; STi:Støren, Rognes 9–10 Aug. 1972, 1 ♀, DD; Byneset, Mule 16–21 June 1971, 1 ♀, DD; Nsi:Bejarn, Arstad 28–30 June 1972, 1 ♀, DD.
- C. microcerus* (Kieffer, 1908) MRy:Tingvoll, Eikren 12–14 July 1971, 2 ♀ ♀, DD; STi:Klæbu, Målsjøen 2 July 1978, 1 ♀, AO; Trondheim, Vold 2 Aug. 1978, 1 ♀, AO; Nsi:Rana, Alteren 1–2 July 1972, 1 ♀, DD.
- C. ater* Nees, 1834 MRi:Rindal, Dalsegga 15–20 June 1972, 1 ♀, DD; STi:Trondheim, Vold 15 July 1978, 1 ♀, AO.
- C. gracilis* (Nixon, 1938) NTi:Steinkjer, Byahalla 5–6 July 1972, 1 ♀, DD; Snåsa, Seemskog 3–4 July 1972, 1 ♀, DD.

PREVIOUS RECORDS

No revision of the identifications regarding previous records have been carried out. Comments concerning species status or nomenclature are therefore in no way meant to be complete. Such comments are based on the most modern works on *Proctotrupidae*, i.e. the works by Hellén (1941), Nixon (1938) and Pschorn-Walcher (1958, 1971). In cases when names are unrecognized in these modern works, this has been noted.

The first to give records of Norwegian *Proctotrupidae* was Thomson (1857). He recorded *Proctotrupes pallipes* (Jurine) (*Proctotrupes* Latreille = *Codrus* Panzer), *P. niger* (Panzer) (*Codrus niger* Panzer sensu Nixon 1938) and *P. clavipes* (Thomson) (= ?*Codrus ligatus* Nees sensu Hellén 1941) from Dovre and *P. ater* (Nees) (= *Codrus ater* Nees sensu Nixon 1938) without any other locality than Norway.

Strand (1898) lists Thomson records (Thomson 1857) and in addition *Proctotrupes gravidator* (= ?*P. gravidator* (L.)), however, without any notes on the locality.

Kieffer (1912) reported *Phaenoserphus viator* Haliday, *Ph. viator* var *Testaceicornis* Kieffer, *Ph. micrurus* Kieffer, *Ph. sp.* from

NTi:Overhalla, and *Codrus* sp. from Tønset (unrecognized locality). As stated by Pschorn-Walcher (1957) most species described by J.J. Kieffer are invalid. This is probably also the case for *Ph. micrurus* and *Ph. viator* var *testaceicornis*. The later subspecies might be a junior synonym of *Ph. viator*.

Hellén (1966) recorded the following species from SFi:Aurland: *Phaenoserphus elongatus* (Haliday, 1839), *Ph. calcar*, *Ph. borealis* Hellen, 1941, *Cryptoserphus brevimanus* (Kieffer, 1914), and *Codrus microcerus*. *Ph. borealis* which in the addition to the record from Aurland is known only from a few localities in Finland (Hellén 1941), was by Pschorn-Walcher (1971) regarded as a doubtful species. The same author did not mention *C. brevimanus* as a good species (Pschorn-Walcher 1958, 1971). Neither was the species mentioned by Nixon (1938) in his review of British species, although Kieffer (1914) described the species from England (and not recorded by him from outside the type-locality). The species was also listed by Kloet and Hincks (1945), however, probably based only on the record by Kieffer (1914). *Ph. calcar* has been transferred by Pschorn-Walcher (1958) to be hitherto monotypic genus *Parthenocodrus* Pschorn-Walcher.

COMMENTS

Pschorn-Walcher (1971) stated that the species of *Proctotrupidae* are very widely distributed showing few if any species specific distributional patterns. We might therefore expect that most species occurs in most parts of Norway. It is, however likely that extensive collecting will reveal several species new both to the country and to science.

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REFERENCES

- Hellén, W. 1941. Übersicht der Proctotrupoiden (Hym.) Ostfennoscandiens. I. Heloridae, Proctotrupidae. *Notul. Entomol.* 21, 28–43.

- 1966. Cynipiden-und Proctotrupidenfunde aus Norwegen (Hymenoptera). *Norsk ent. Tidsskr.* 13, 393.
- Kieffer, J.-J. 1912. VII. Ceraphronidae, Serphidae, Belytidae, Diapriidae, Platygasteridae und Bethyidae, in E. Strand, Neue Beiträge zur Artropoden-Fauna Norwegens. *Nyt Mag. Naturvid.* 50, 15—22.
- 1914. Serphidae (= Proctotrupidae) et Calliceratiidae (= Ceraphronidae). *Tierreich* 42, 254 pp.
- Kloet, G.S. and Hincks, W.D. 1945. *A check list of British insects*. Arbroath, Scotland.
- Nixon, G.E.J. 1938. A preliminary revision of the British Proctotrupinae (Hym., Proctotrupoidea). *Trans. R. ent. Soc. London* 87, 431—466.
- Pschorn-Walcher, H. 1957. Zur Kenntnis der Diapriinae (Proctotrupoidea) der WASMANN-Sammlung. *Mitt. schweiz. ent. Ges.* 30, 73—88.
- 1958. Vorläufige Gliederung der palaearktischen Proctotrupidae. *Mitt. schweiz. entomol. Ges.* 31, 57—64.
- 1971. Hymenoptera Heloridae et Proctotrupidae. *Insecta Helvetica* 4, 64 pp.
- Strand, A. 1943. Inndeling av Norge til bruk ved faunistiske oppgaver. *Norsk ent. Tidsskr.* 6, 208—224.
- Strand, E. 1898. Enumeratio Hymenopterum Norvegorum. *Ent. Tidsskr.* 19, 71—112.
- Thomson, C.G. 1857. Skandinaviens Proctotruper. *Öfv. Vet. Akad. Förh.* 14, 411—422.

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