

Notes on Proctotrupidae (Hym., Proctotrupoidea). I

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Some notes on synonymy

Proctotrupes gladiator Hal. 1839

Bassus emarciator Fabricius, Syst. Piez., p. 100, 30, 1804.

Under this name stand 3 females in Fabricius coll. in the Universitetets Zoologiske Museum, Copenhagen. I have selected as lectotype a female, which bears a name label. I think it is best to retain the name of Haliday.

Proctotrupes gravidator (L.) 1758

Proctotrupes bistriatus Möller, Ent. Tidskr., p. 180, 1882. (*Syn.n.*)

2 females stand in Möller coll. in the Natural Museum, Gothenburg. The right specimen is selected as lectotype.

Cryptoserphus foveolatus (Möll.) 1882

Möller, Ent. Tidskr., p. 181, 1882.

Proctotrupes foveolatus Möll. = *Cryptoserphus f.* (*Comb.n.*)

Cryptoserphus perkinsi Nixon, The Entomologist, 75, pp. 195—197, 1942. (*Syn.n.*)

Under *P. foveolatus* in Möller coll. in the Natural Museum, Gothenburg, stands a male collected at Kempinge in Skåne, South Sweden, Aug. 1869. This specimen I have selected as lectotype. It is conspecific with *Cryptoserphus perkinsi* Nix.

Hosts of Proctotrupidae

The knowledge of the hosts of *Proctotrupidae* is very poor and all collectors of coleoptera can here contribute by take care of all Hymenopterous parasites, when they are rearing larvae of coleoptera.

In the following I have listed all species, which has been reared from different larvae of Coleoptera by Dr Thure Palm.

Proctotrupes gravidator (L.)

Ex larvae of *Amara* sp., 1 ♀ 4/9 1961, 1 ♀ 6/9 1961, 4 ♀♀ 22/8—25/8 1961 and 1 ♀ 19/8 1961. All females from Uppland, Dalby parish. 1 ♂ from environs Uppsala, 19/8 1961.

Entomol. Ts. Arg. 84. H. 1—2, 1963

Codrus ligatus (Nees)

Ex larva of *Xantholinus* sp., Uppland, Dalby parish, 1 ♀ 24/8 1961.

Ex larva of *Philonthus* sp., 1 ♀ 11/9 1961, environs of Uppsala.

Codrus microcerus Kieff.

Ex larvae of *Xantholinus* sp., environs of Uppsala 1 ♀ 15/9 1961, 3 ♀♀ 13—14/8 1961, 1 ♀ 11/8 1961, Uppland, Övergran parish 1 ♀ 9/6 1959 and Skåne Arlöv 1 ♀ 15/7 1961.

Ex larva of *Tachyporin* gen. ?, Skåne, Arlöv, 27/7 1961.

Below I have listed known hosts of *Proctotrupidae* in Europe.

Species	Host	Author
<i>Codrus ligatus</i> (Nees)	<i>Quedius</i> sp. —	Nixon (1938) Bischoff (1923)
<i>Codrus ater</i> (Nees)	<i>Staphylinus olens</i> Müll. <i>Creophilus maxillosus</i> L.	Elliott and Morley (1911) Frohawk (1886)
<i>Paracodrus apterogynus</i> (Hal.)	<i>Agriotus obscurus</i> (L.) <i>Agriotus</i> sp. <i>Athous</i> sp. <i>Agriotus</i> cf. <i>sputator</i> L.	Nixon (1938) Zolk (1924) Nixon (1938) Blunck (1925)
<i>Proctotrupes gravidator</i> (L.)	<i>Amara apricaria</i> (Payk.)	Nixon (1938)
<i>Phaenoserphus viator</i> (Hal.)	<i>Carabus granulatus</i> L. <i>Carabus violaceus</i> L. <i>Pterostichus niger</i> Schall. — <i>vulgaris</i> L. <i>Nebria brevicollis</i> Fabr.	Gauss (1957) Nixon (1938) Eastham (1929) Elliott and Morley (1907) Elliott and Morley (1907)
<i>Phaenoserphus elongatus</i> (Hal.)	<i>Athous haemorrhoidalis</i> (Fabr.) <i>Athous niger</i> L.	Nixon (1938) Gauss (1957)
<i>Phaenoserphus calcar</i> (Hal.)	<i>Lithobius</i> sp.	Newman (1867)
<i>Phaenoserphus pallipes</i> (Latr.)	<i>Staphylinus olens</i> Müll.	Elliott and Morley (1911)
<i>Brachyserphus parvulus</i> (Nees)	<i>Triplax</i> sp., <i>Meligethes</i> sp.	Pschorn-Walcher (1958)
<i>Cryptocodrus buccatus</i> (Thoms.)	<i>Thanasimus</i> sp., larvae	Palm (1956)
<i>Thomsonina boops</i> (Thoms.)	<i>Scymnus nigrinus</i> Kug.	Eidmann (1958)

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