

# Proctotrupeoidea s.l. and Ceraphronoidea from Iceland: new records and corrections (Hymenoptera)

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New collecting data for 23 species of Proctotrupeoidea s.l. and Ceraphronoidea from Iceland are given. Two species are recorded as new to Iceland, *Exallonyx microcerus* Kieffer and *Platygaster gracilipes* Huggert, and two are deleted from the list, namely *Spilomicrus suecica* (Kieffer) and *Trimorus pedestris* (Nees). The species reported as *Exallonyx ligatus* (Nees) from Iceland is in fact *E. trifoveatus* Kieffer. Thus, the number of species of Proctotrupeoidea s.l. and Ceraphronoidea known from Iceland is still 33.

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In February 2002, the Zoological Museum, University of Copenhagen (ZMUC) received a gift of 1077 Icelandic specimens of Proctotrupeoidea s.l. and Ceraphronoidea from Dr. Michael von Tschirnhaus (University of Bielefeld, Germany). Most of the specimens were collected by Tschirnhaus in the summer of 2001.

Lars Huggert *in* Ólafsson (1991) reported 33 species of Proctotrupeoidea s.l. (= Proctotrupeoidea and Platygastroidea) and Ceraphronoidea from Iceland. With the inclusion of the information of the present paper the number of species from Iceland is still 33, as 2 species are deleted from the list, and 2 new are added. It seems to be difficult to raise this number more than marginally. However, at least one further species very probably exists in Iceland, cf. below under *Trimorus therycides*.

The following is a list of the 23 species in the Tschirnhaus material, and a few further species in the list of Ólafsson (1991) are commented upon. New records are collected by Tschirnhaus unless otherwise mentioned. Apart from necessary updating the nomenclature and listing order used in Ólafsson (1991) has been retained.

## Proctotrupidae

*Exallonyx ligatus* (Nees, 1834)

This species reported as *ligatus* by Petersen (1956), reiterated in Ólafsson (1991), is in fact the closely related species *E. trifoveatus* Kieffer, 1908 (the two females in ZMUC reported by Petersen examined), a common Holarctic species, cf. Townes & Townes (1981).

*Exallonyx microcerus* Kieffer, 1908

New to Iceland: 1 female, SW. Iceland, Grindavík (63°51'N 22°26'W) 16.VII.2001; 2 females, W. Iceland, Snæfellsnes, Stykkishólmur (65°04'N 22°44'W) 6.VIII.2001. This is a well-known common species throughout most of Europe, cf. Townes & Townes (1981).

*Cryptoserphus aculeator* (Haliday, 1839)

4 males, W. Iceland (Snæfellsnes and at Borgarfjörður), N. Iceland (Grenivík) 11.VII.-6.VIII.2001, leg. Tschirnhaus & B. Rothe. In ZMUC also 1 female, SE. Iceland (Skaftafell), leg. Jens Böcher, 31.VII.1961.

## Diapriidae

*Cinetus? fuscicornis* Kieffer, 1910

1 female, N. Iceland, N of Hövðavatn, near Höfði farm (65°59'N 19°24'W) 4.VIII.2001. I am in doubt about the identity of this specimen; of the two *Cinetus* species recorded in Ólafsson (1991) it can only possibly fit in “?*fuscicornis*”.

*Pantoclis trisulcata* Kieffer, 1907

5 males, W. Iceland (Snæfellsnes), N. Iceland (20 km W of Dalvík), 3-6.VIII.2001. Thus, this is not an “extreme southern species” as recorded by Petersen (1956: 154).

*Polypeza ciliata* (Thomson, 1859)

1 male, W. Iceland (30 km NW of Borgarnes); 2 females, N. Iceland (N of Hövðavatn, near Höfði farm). *Atelopsilus borealis* described by Petersen (1956) and listed as *Polypeza borealis* in Ólafsson (1991), was synonymized with *Polypeza ciliata* (Thomson, 1859) by Macek (1993).

*Spilomicrus suecica* (Kieffer, 1916)

This species listed in Ólafsson (1991) should be deleted from the list. *Loxotropa suecica* Kieffer, 1916 in fact belongs to genus *Basalys*, cf. Johnson (1992). It is probably a synonym of *B. parva* Thomson, 1858, also listed in Ólafsson (1991), and see also below.

*Psilus frontalis* (Thomson, 1858)

1 male and 1 female, W. Iceland (Snæfellsnes) 22-28.VIII.1974, leg. Klaus Graeber.

*Basalys parva* Thomson, 1858

5 males, W. Iceland (Snæfellsnes) and N. Iceland (river delta of Frijoská, coast of Eyjafjörður) 26.VII.-9.VIII.2001.

*Platymischus dilatatus* Westwood, 1832

352 males, 3 females, W. Iceland, Snæfellsnes, coast W of airfield Stykkishólmur, aspirated from stones/algae on the beach, 7.VIII.2001 (together with Diptera: Empididae).

*Trichopria aptera* (Ruthe, 1859)

1 male, N. Iceland, 20 km W of Dalvík, 3-4.VIII.2001.

## Scelionidae

*Trimorus ovatus* (Thomson, 1859)

1 male, 4 females, W. Iceland (Snæfellsnes) 22-28.VIII.1974, leg. Klaus Graeber.

*Trimorus pedestris* (Nees, 1834)

This species recorded by Petersen (1956) and Ólafsson (1991) should be deleted from the Icelandic list. The specimens erroneously referred to this species belong to *T. ovatus* (Thomson, 1859) (material in ZMUC examined).

*Trimorus therycides* (Walker, 1836)

3 males, N. Iceland (20 km W of Dalvík and Jökulsargljúfur National Park) 30.VII.-4.VIII.2001. Recorded only from the same limited area in the north as by Petersen (1956: 158) (as *T. brachypterus* (Thomson, 1859)), a distribution “unique among all species” of Icelandic Hymenoptera (Petersen, 1956: 160). The species recorded from S. as well as from N. Iceland by Petersen (1956) as “*Trimorus* sp.” runs to *T. autumnalis* (Thomson, 1859) in Hellen’s (1971) key. *T. autumnalis* was synonymized with *T. therycides* by Szabó (1966) who also synonymized *brachypterus* with *therycides*. After examining the Icelandic material in ZMUC, I would like to follow Petersen in stating that we are dealing with two valid species here (preferably by using Thomson’s names), but at present I follow Szabó’s decision, awaiting a critical reevaluation of his work.

*Telenomus nitidulus* (Thomson, 1860)

4 males, 31 females, W. Iceland (Snæfellsnes) and N. Iceland (Akureyri, shore of lake Mývatn, and 20 km W of Dalvík) 25.VII.-28.VIII, leg. Tschirnhaus & Graeber.

**Platygastridae**

*Allotropa conventus* Maneval, 1936

7 females, W. Iceland (Snæfellsnes, 9 km E of Buðir) 9.VIII.2001.

*Platygaster gracilipes* Huggert, 1975

New to Iceland: 1 female, N. Iceland, Jökulsargljúfur National Park, W of river Jökulsá á Fjöllum (65°56’N 16°33’W) 30.VII.2001. Rather common in NW. Europe.

*Platygaster opacus* Ruthe, 1859

15 females, W. Iceland (Snæfellsnes), N. Iceland (Jökulsargljúfur National Park, W of river Jökulsá á Fjöllum, and at the S end of lake Mývatn) 28.VII.-9.VIII.2001.

*Platygaster splendidulus* Ruthe, 1859

560 specimens from many parts of Iceland, not mostly a southern species as recorded by Petersen (1956: 156): SW, Grindavík and W coast of Reykjanes; W, Snæfellsnes and 30 km NW of Borgarnes; N, 20 km W of Dalvík, Öxnadalsheiði, Grenivík, Jökulsargljúfur National Park; Central-West, S of Langjökull.

*Synopea* sp.

2 females, N. Iceland (NE shore of lake Mývatn) 28.VII.2001. 7 females in ZMUC from SE. Iceland (Skaftafell) 27-31.VII.1961, leg. Jens Böcher, belong to the same species. The species is rather similar to the W. European *S. larides* (Walker, 1835) but possibly new to science.

**Ceraphronidae**

*Aphanogmus abdominalis* (Thomson, 1858)

3 males, W. Iceland, Snæfellsnes 6-28.VIII., leg. Tschirnhaus & Graeber.

*Aphanogmus gracilicornis* Förster, 1861

6 females, W. Iceland (Snæfellsnes), N. Iceland (20 km W of Dalvík), S. Iceland (S. of Eyjafjallajökull), 20.VII.-9.VIII.2001.

### **Megaspilidae**

*Lagynodes pallidus* (Boheman, 1832)

7 males, W. Iceland (Snæfellsnes), N. Iceland (20 km W of Dalvík, N of Hövðavatn, and NE shore of lake Mývatn), 28.VII.-28.VIII., leg. Tschirnhaus & Graeber. Thus, this is not an “east-southern” species as recorded by Petersen (1956: 155).

*Dendrocerus aphidum* (Rondani, 1877)

9 males, W. Iceland (Snæfellsnes), N. Iceland (Grenivík and along coast 9 km NNW of Kopasker), 27.VII.-28.VIII., leg. Tschirnhaus & Graeber.

*Dendrocerus bicolor* (Kieffer, 1907)

2 females, W. Iceland (Snæfellsnes), N. Iceland (NE shore of lake Mývatn), 28.VII.-7.VIII.2001.

*Dendrocerus bifoveatus* (Kieffer, 1907)

11 males, 32 females, W. Iceland (Snæfellsnes), N. Iceland (river delta of Frijoská at coast of Eyjafjörður, shore of lake Mývatn, Grenivík, and along coast 9 km NNW of Kopasker), 26.VII.-7.VIII.2001.

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## **References**

- Hellén, W., 1971. Die Scelioninen Finnlands. – *Fauna Fennica* 23: 1-24. Helsinki.
- Johnson, N.F., 1992. Catalog of world species of Proctotrupoidea, exclusive of Platygasteridae (Hymenoptera). – *Memoirs of the American Entomological Institute* 51: 1-825.
- Macek, J., 1993. Revision of Holarctic *Polypeza* (Hymenoptera, Diapriidae). – *Folia Heyrovskyana* 1: 19-24.
- Ólafsson, E., 1991. Íslenskt skordýratal. – *Fjölrit Náttúrufræðistofnunar* 17: 1-69.
- Petersen, B., 1956. Hymenoptera. – *The Zoology of Iceland* III (49-50): 1-176. Copenhagen and Reykjavik.
- Szabó, J.B., 1966. Ökologische, ethologische und systematische Untersuchungen an paläarktischen Teleasinen (Hym., Scelionidae). – *Folia Entomologica Hungarica* 19: 9-108.
- Townes, H. & M. Townes, 1981. A revision of the Serphidae (Hymenoptera). – *Memoirs of the American Entomological Institute* 32: 1-541.