

## New records of Platygastriidae (Hymenoptera: Platygastroidea) from Finland

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New distributional records for 60 Finnish species of Platygastriidae are given and commented upon. A total of 52 of the species are new to Finland.

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### 1. Introduction

About 530 Finnish specimens of Platygastriidae, mostly collected by Martti Koponen and Petri Martikainen (MK and PM), were determined by Peter Neerup Buhl. They represent ca. 70 species. Of these, 61 could be identified by the senior author (a few with some doubt), listed below. A total of 52 species are new to the Finnish fauna and are marked with an asterisk (\*). Some further unidentified species belong to the genera *Amblyaspis*, *Isocybus*, *Platygaster* and *Synopeas*.

For the Finnish localities, a uniform grid system (Grid 27°E) is used for indication of collecting localities. For example, “6800:500” indicates a square of 1 km<sup>2</sup> and the numbers indicate the coordinates of the SW corner of the square. The first number means that locality is 6800 km north of equator. N–S axis of the square coincides with the meridian 27°E. The grid numbers can be found in most Finnish maps. Thus, in a complete reference to a locality according to this system should be used [Grid 27°E] before the first grid numbers in a paper, but this is only implicit in the references below for sake of brevity. For information on this system, we may refer to Heikinheimo & Raatikainen (1971).

The present list, and those of Koponen & Huggert (1982), Huldén (1986), and Buhl (2003), report a total of 92 identified species of Platygastriidae from Finland. Nomenclature in the present paper follows Vlug (1995). The following species new to Finland were not recorded in the key by Buhl (1999a): *Pseudaphanomerus hyalinatus* Szelenyi, 1941, *Aceroteta borealis* Kozlov & Masner, 1977, *Inostemma acuminatum* Tomsík, 1950, *Platygaster pedasus* Walker, 1835, and *P. picipes* Förster, 1861.

Some of the species recorded below have been collected by Dr. Petri Martikainen with trunk-window traps, cf. Martikainen (2001). All the material mentioned below is preserved at the Department of Applied Biology, University of Helsinki (Finland).

### 2. Platygastriid records

#### Sceliotrachelinae

\**Allotropa conventus* Maneval, 1936

*Material.* 2 ♀: Ab: Västanfjärd (6667:258) 1 ♀ 15.VIII.1992 (MK). — N: Nurmijärvi (6710:381) 1 ♀ 29.VIII.1992 (MK).

*Distribution.* France, Norway, Iceland (Buhl 1999a, 2002).

\**Fidiobia polita* Buhl, 1998

*Material.* 2 ♀: Sb: Jäppilä, Sorsasalo (69157:5344) 9.VI.–21.VII.2001 (PM). Trunk-window trap on aspen.

*Distribution.* Sweden (Buhl 1998a).

\**Platystasius antennatus* (Sundholm, 1956)

*Material.* 1 ♂: Sb: Savonranta, Muhamäki (69105:6049) 10.VIII.–4.IX.1996 (PM). Window trap on dead aspen.

*Distribution.* Sweden and Denmark (Buhl 1999a).

\**Pseudaphanomerus hyalinatus* Szelényi, 1941

*Material.* 3 ♂: Sb: Savonranta (69081:6026) 2 ♂ 13.VII.–10.VIII.1996, 1 ♂ 10.VIII.–4.IX.1996 (PM). Window trap on dead aspen.

*Distribution.* Hungary, Moldavia, and Spain (Buhl 1999b).

### Platygastriinae

\**Acerotella evanescens* (Kieffer, 1914)

*Material.* 1 ♂: St: Vammala (6822:290) 1.VII.1993 (MK).

*Distribution.* Germany, Denmark, Karelia and Moldavia, cf. Kozlov (1978), Vlug (1995) and Buhl (1999a).

\**Acerotella humilis* (Kieffer, 1913)

*Material.* 1 ♀: N: Nurmijärvi (6712:373) 25.VII.1992 (MK).

*Distribution.* Germany, Denmark, and Russia, cf. Kozlov (1978), Vlug (1995) and Buhl (1999a).

\**Aceroteta borealis* Kozlov & Masner, 1977

*Material.* 3 ♀, 3 ♂: N: Nurmijärvi (6705:381) 1 ♂

19.VIII.1989 (MK), (6715:375) 1 ♂ 30.VIII.1992 (MK), (6702:378) 1 ♀ 31.VIII.1992; Tuusula (6695:389) 2 ♀ 3.IX.1992 (MK); Hyvinkää (6714:372) 1 ♂ 26.VIII.1992 (MK).

*Distribution.* Russia (Karelia) and Canada (Masner & Huggert 1989).

\**Amblyaspis belus* (Walker, 1835)

*Material.* 11 ♀, 6 ♂: N: Hyvinkää (6714:372) 1 ♀ 26.VIII.1992 (MK). — Ta: Loppi (674:34) 1 ♀ 29.8.1993 (MK). — Sb: Savonranta (69081:6026) 1 ♂ 10.VIII.–4.IX.1996, 6 ♀ 1 ♂ 4.IX.–2.X.1996 (PM); Savonranta, Muhamäki (69105:6049) 1 ♀ 4 ♂ 4.IX.–2.X.1996 (PM); Jäppilä, Sorsasalo (69157:5344) 1 ♀ 9.VI.–21.VII.2001 (PM). Window trap on dead aspen. — Obu: Rovaniemen mlk. (73430:4543) 1 ♀ 25.VII.–27.VIII.1996 (PM). Window trap on dead aspen.

*Distribution.* Ireland, Russia, Norway, and Denmark, cf. Vlug (1995) and Buhl (1999a).

\**Amblyaspis scelionoides* (Haliday, 1835)

*Material.* 1 ♀: Sa: Ristiina (6826:502) 12.IX.1992 (MK).

*Distribution.* Ireland, Denmark, Norway, cf. Vlug (1995) and Buhl (1999a).

\**Amblyaspis* cf. *tritici* (Walker, 1835)

*Material.* 1 ♀, 2 ♂: Sb: Savonranta, Muhamäki (69105:6049) 13.VII.–4.IX.1996 (PM). Window trap on dead aspen.

*Distribution.* *A. tritici* known from England, Scotland (Vlug 1995), Norway and Denmark (Buhl 1999a), and Russia (Kozlov 1978).

*Anopedias lacustris* Kieffer, 1926

*Material.* 2 ♀: N: Kirkkonummi (6654:355) 1 ♂ 23.VII.1991 (MK). — Tb: Vesanto (6987:477) 1 ♀ 28.VI.1991 (MK).

*Distribution.* Reported from Finland (districts Ab, N, Kb and Om) by Koponen & Huggert (1982).

\**Euxestonotus error* (Fitch, 1861)

*Material.* 2 ♀: St: Vammala (6822:290) 1 ♀ 1.VII.1993 (MK). — Sb: Savonranta, Muhamäki (69105:6049) 1 ♀ 13.VII.–10.VIII.1996 (PM). Window trap on dead aspen.

*Distribution.* Described from USA, recorded from many W. European countries, including Denmark, Norway, and Sweden, cf. Buhl (1995a, 1999a).

\**Euxestonotus hasselbalchi* Buhl, 1995

*Material.* 2 ♀: N: Nurmijärvi (6705:381, 6714:385) 19.VI.1993 and 4.VII.1993 (MK).

*Distribution.* England, Holland, Denmark and Norway, cf. Buhl (1995a, 1999a).

\**Inostemma acuminatum* Tomsík, 1950

*Material.* 1 ♀: Kl: Kittilä, Kiistala (753:43) 8.VII.1989, dry meadow on roadside, in edge of forest (MK).

*Distribution.* Hitherto recorded only from Czechoslovakia.

*Inostemma brevicornu* Vikberg, 1965

*Material.* 1 ♀: Sb: Savonranta, Muhamäki (69105:6049) 21.V.–18.VI.1996 (PM). Window trap on dead aspen.

*Distribution.* Originally described from Finland (Ab), provinces N and Sa added by Koponen & Huggert (1982).

*Iphitrachelus gracilis* Masner, 1957

*Material.* 1 ♀: N: Nurmijärvi (6702:378) 31.VIII.1992 (MK).

*Distribution.* Also reported from Finland by Koponen & Huggert (1982).

\**Isocybus bifracticornis* (Zetterstedt, 1838)

*Material.* 1 ♀, 3 ♂: Ok: Ristijärvi (7151: 563) 3 ♂ 4.VII.1991 (MK); Paltamo (7149:523) 1 ♀ 6.VII.1991 (MK).

*Distribution.* Sweden, Norway, Denmark (Buhl 1999a) and Russia (Kozlov 1978). Recorded in the literature as *I. coxalis* Thomson, 1859 until 1995, when *I. coxalis* was synonymised with *Platygaster bifracticornis* Zetterstedt, 1838 by Buhl (1995c).

\**Isocybus matuta* (Walker, 1835)

*Material.* 1 ♀: Ok: Paltamo, Leppikoski (7151:542) 5.VII.1991, in bushy meadow (MK).

*Distribution.* England (Vlug 1995) and Denmark (Buhl 1999a).

\**Isocybus cf. ocellaris* Kieffer, 1916

*Material.* 1 ♀, 1 ♂: Ta: Janakkala, Suurisuo (676:38) 12.VI.1988, in swamp (MK).

*Distribution.* *I. ocellaris* described from Austria (Vlug 1995), recorded from Denmark by Buhl (1999a).

\**Leptacis breisteini* Buhl, 1997

*Material.* 1 ♀: N: Nurmijärvi, Rajamäki (6715:375) 30.VIII.1992, in swamp (MK).

*Distribution.* Norway (Buhl 1999a).

\**Leptacis coryphe* Buhl, 1998

*Material.* 2 ♂: N: Nurmijärvi (6705:380) 23.VIII.1992 (MK).

*Distribution.* Denmark (Buhl 1998).

\**Leptacis orchymonti* (Debauche, 1947)

*Material.* 3 ♂: N: Nurmijärvi (6702:378) 2 ♂ 31.VIII.1992 (MK). — Sa: Ristiina (6826:502) 1 ♂ 12.IX.1992 (MK).

*Distribution.* Belgium, Denmark, Norway, Great Britain and Karelia, cf. Kozlov (1978), Vlug (1995) and Buhl (1995b, 1999a).

\**Leptacis ozines* (Walker, 1835)

*Material.* 2 ♀: N: Nurmijärvi (6718: 381) 1 ♀

14.8.1995 (MK). — Ta: Hämeenlinna (6770:362) 1 ♀ 20.IX.1992 (MK).

*Distribution.* England, Germany, Denmark, Norway and Spain, cf. Vlug (1995) and Buhl (1999a, 1999b).

*Leptacis tipulae* (Kirby, 1798)

*Material.* 1 ♀: N: Nurmijärvi (6702:378, 6710:381) 29.–31.VIII.1992 (MK).

*Distribution.* Recorded from Finland by Koponen & Huggert (1982).

\**Leptacis vlugi* Buhl, 1997

*Material.* 6 ♀: N: Nurmijärvi (6710:381, 6714:385) 5 ♀ 11.–29.VIII.1992 (MK). — Om: Alahärmä (7026:287) 1 ♀ 1.VIII.1995 (MK).

*Distribution.* Denmark, Norway (Buhl 1999a) and Spain (Buhl & Nieves-Aldrey 2000).

*Metaclisis* cf. *areolatus* (Haliday, 1835)

*Material.* 2 ♂: Obu: Tervola (73413:4515) 24.VI.–25.VII.1996 (PM). Window trap on dead aspen.

*Distribution.* According to Koponen & Huggert (1982), reliable identification of this species must await a taxonomic study.

\**Platygaster attenuata* Walker, 1835

*Material.* 1 ♀: N: Nurmijärvi (6708:369) 1.V.1990 (MK).

*Distribution.* England, Germany (Vlug 1995), possibly Denmark (Buhl 1999a).

\**Platygaster chloropus* Thomson, 1859

*Material.* 2 ♀: N: Nurmijärvi (6702:378, 6710:381) 29.–31.VIII.1992 (MK).

*Distribution.* Sweden (Buhl 1999a).

\**Platygaster clavata* Buhl, 1994

*Material.* 8 ♀, 1 ♂: Oa: Lapua (6984: 310) 2 ♀

22.VII.1980 (MK). — Ok: Kuhmo, Elimyssalo (712:66) 5 ♀, 1 ♂ 8.–10.VII.1980 (MK). — Obu: Yli-Ii (7248:444) 1 ♀ 21.VII.1980 (MK).

*Distribution.* Denmark (Buhl 1999a).

*Platygaster contorticornis* Ratzeburg, 1844

*Material.* 1 ♀: Sb: Savonranta (69077:6026) 21.V.–18.VI.1996 (PM). Window trap on dead aspen.

*Distribution.* Recorded from numerous localities (though previously not from Sb) by Koponen & Huggert (1982).

\**Platygaster damokles* (Buhl, 1998)

*Material.* 4 ♀: Sa: Ristiina (6826:502) 3.VII.1995 (MK).

*Distribution.* Norway (Buhl 1999a).

\**Platygaster danielssoni* Buhl, 1998

*Material.* 1 ♀: Ta: Nastola (6774:436) 22.VI.1980 (MK).

*Distribution.* Sweden.

\**Platygaster demades* Walker, 1835

*Material.* 1 ♀: N: Nurmijärvi (6710:381) 29.VIII.1992 (MK).

*Distribution.* England (Vlug 1995), Denmark and Norway (Buhl 1999a).

*Platygaster fuscipes* Thomson, 1859

*Distribution.* This seems to be the commonest species in the present collections, also recorded by Koponen & Huggert (1982); the senior author suspects this species to be a synonym of *P. otanes* Walker, 1835, cf. Buhl (1995c).

\**Platygaster gracilipes* Huggert, 1975

*Material.* 7 ♀, 1 ♂: N: Nurmijärvi (6704:381, 6705:380) 3 ♀ 1.VII., 9.VII. and 23.VIII.1992 (MK). — St: Vammala (6814:286) 1 ♂ 1.VII.1993 (MK). — Sa: Ristiina (6826:502) 1 ♀ 28.VI.1992

(MK). — Sb: Savonranta, Muhamäki (69105:6049) 1 ♀ 13.VII.–10.VIII.1996 (PM). Window trap on dead aspen. — Ok: Paltamo (7142:549 and 7144:547) 2 ♀ 30.VI. and 4.VII.1991 (MK).

*Distribution.* Sweden, Norway, Denmark (Buhl 1999a), Great Britain (Buhl 1995b), Iceland (Buhl 2002), and Spain (Buhl & Nieves-Aldrey 2000).

\**Platygaster hybrida* Buhl, 1994

*Material.* 2 ♀, 1 ♂: N: Nurmijärvi (6704:381, 6718:381) 1 ♂ 24.VII.1992, 1 ♀ 14.VIII.1995 (MK). — Kb: Liperi (6950:622) 1 ♀ 4.VIII.1993 (MK).

*Distribution.* Described from Denmark (Buhl 1994b), also recorded from Norway (Buhl 1999a).

\**Platygaster leptines* Walker, 1835

*Material.* 1 ♂: Ok: Paltamo, Mieslahti (7144:547) 2.VII.1991 (MK).

*Distribution.* England (Vlug 1995) and Sweden, Norway, Denmark (Buhl 1999a), and Spain (Buhl & Nieves-Aldrey 2000).

\**Platygaster longestriolatus* Thomson, 1859

*Material.* 2 ♀: Sa: Ristiina (6828:503 and 6826:502) 18.VII.1987 and 3.VI.1989 (MK).

*Distribution.* Hitherto recorded only from Sweden (Buhl 1999a).

\**Platygaster lundensis* Buhl, 1997

*Material.* 1 ♀: Nurmijärvi, Nukari (6714:385) 11.VIII.1992 (MK).

*Distribution.* Hitherto recorded only from Sweden (Buhl 1999a).

\**Platygaster lysicles* Walker, 1835

*Material.* 1 ♂: N: Nurmijärvi (6705:380) 23.VIII.1992 (MK).

*Distribution.* Ireland (Vlug 1995), Denmark and Norway (Buhl 1999a).

\**Platygaster marginata* Thomson, 1859

*Material.* 1 ♀: N: Nurmijärvi, Nukari (6713:386) 17.VI.1989, old gravel pit (MK).

*Distribution.* Hitherto known only from Sweden (Buhl 1999a).

\**Platygaster nisus* Walker, 1835

*Material.* 2 ♀, 1 ♂: N: Nurmijärvi (6704:381, 6715:376) 2 ♀ 28.–29.VI.1980, 1 ♂ 3.VIII.1991 (MK).

*Distribution.* England (Vlug 1995), Norway, Denmark (Buhl 1999a), and Spain (Buhl & Nieves-Aldrey 2000).

\**Platygaster nottoni* Buhl, 1995

*Material.* 4 ♀: N: Nurmijärvi (6710:381) 1 ♀ 9.VI.1989 (MK); Nurmijärvi (6704:381, 6712:373) 2 ♀ 13.VI. and 25.VII.1992 (MK). — Sa: Ristiina (6826:502) 1 ♀ 27.VI.1992 (MK).

*Distribution.* England, Denmark (Buhl 1995d), and Spain (Buhl & Nieves-Aldrey 2000).

\**Platygaster oscus* Walker, 1835

*Material.* 1 ♀: Sa: Mikkelin mlk. (6830: 501) 6.VIII.1993 (MK).

*Distribution.* Ireland (Vlug 1995) and Denmark (Buhl 1999a).

\**Platygaster pedasus* Walker, 1835

*Material.* 2 ♀: Ta: Nastola (6774:436) 1 ♂ 22.VI.1980 (MK). — Sa: Ristiina (6826:502) 1 ♀ 16.VIII.1980 (MK).

*Distribution.* England (Vlug 1995).

\**Platygaster pelias* Walker, 1835

*Material.* 2 ♀: N: Nurmijärvi (6714:385) 1 ♀ 11.VIII.1992 (MK). — Sa: Ristiina (6826:502) 1 ♀ 12.IX.1992 (MK).

*Distribution.* England (Vlug 1995), Denmark, Norway (Buhl 1999a), and Spain (Buhl & Nieves-Aldrey 2000).

\**Platygaster picipes* Förster, 1861

*Material.* 1 ♀: N: Nurmijärvi (6702:378) 31.VIII.1992 (MK).

*Distribution.* Switzerland (Vlug 1995).

\**Platygaster rugosiceps* Buhl, 1994

*Material.* 10 ♀, 199 ♂: N: Nurmijärvi (6704:381) 1 ♂ 24.VII.1992 (MK). — Sb: Savonranta (69081:6026) 3 ♀ 116 ♂ 21.V.–18.VI.1996 (PM); Savonranta, Muhamäki (69105:6049) 3 ♀ 20 ♂ 21.V.–18.VI.1996, 4 ♂ 18.VI.–13.VII.1996 (PM). Window trap on dead aspen. — Obu: Rovaniemen mlk. (73430:4543) 3 ♀ 13 ♂ 28.V.–24.VI.1996 (PM); Tervola (73413:4515) 1 ♀ 45 ♂ 28.V.–24.VI.1996 (PM). Window trap on dead aspen.

*Distribution.* Described (male only) from Austria by Buhl (1994c), female described from Sweden by Buhl (1998a), also recorded from Spain (Buhl & Nieves-Aldrey 2000).

\**Platygaster rutilipes* Buhl, 1997

*Material.* 2 ♀: N: Helsinki (6680:390) 2.IX.1980 (MK).

*Distribution.* Rare in Denmark and Norway (Buhl 1999a).

\**Platygaster sagana* Walker, 1835

*Material.* 2 ♀: N: Nurmijärvi (6714:385) 1 ♀ 4.VII.1993 (MK). — St: Vammala (6821:289) 1 ♀ 2.VII.1993 (MK).

*Distribution.* England, Denmark, Norway, Spain, cf. Vlug (1995), Buhl (1999a) and Buhl & Nieves-Aldrey (2000).

\**Platygaster soederlundi* Buhl, 1998

*Material.* 2 ♀: N: Nurmijärvi (6702:378, 6705:380) 23.–31.VIII.1992 (MK).

*Distribution.* Sweden (Buhl 1998).

\**Platygaster splendidula* Ruthe, 1859

*Material.* 7 ♀: N: Helsinki (6679:391) 5 ♀

4.VI.1974 (E. O. Peltonen). — Ta: Hämeenlinna (6767:363) 2 ♀ 23.–24.VI.1975 (MK). — Sa: Ristiina (6826:502) 1 ♀ 22.VI.1980, 1 ♀ 12.IX.1992 (MK).

*Distribution.* Iceland, Denmark, Sweden, Norway, Spain, cf. Vlug (1995), Buhl (1999a) and Buhl & Nieves-Aldrey (2000).

\**Platygaster cf. tisas* Walker, 1835

*Material.* 2 ♀: Sb: Savonranta, Muhamäki (69105:6049) 1 E 13.VII.–10.VIII.1996 (PM). — Pp: Tervola (73413:4515) 1 E 28.V.–24.VI.1996 (PM). Window trap on dead aspen.

*Distribution.* *P. tisas* known from England (Vlug 1995), Denmark (Buhl 1999a) and Spain (Buhl & Nieves-Aldrey 2000).

\**Platygaster transversiceps* Buhl, 1998

*Material.* 3 ♂: N: Nurmijärvi (6702:378 and 6704:381) 3.V. and 9.V.1989 (MK).

*Distribution.* Sweden and Denmark (Buhl 1998).

\**Platygaster vintheri* Buhl, 1994

*Material.* 2 ♀: Sb: Savonranta (69077:6026) 21.V.–18.VI.1996 (PM). Window trap on dead aspen.

*Distribution.* Hitherto known only from Denmark (Buhl 1994a).

\**Synopeas cf. brevis* Buhl, 1998

*Material.* 5 ♀: N: Nurmijärvi (6705: 380, 6710:381) 23.–29.VIII.1992 (MK).

*Distribution.* *S. brevis* known from Norway (Buhl 1999a).

\**Synopeas ciliatus* Thomson, 1859

*Material.* 1 ♀: N: Nurmijärvi (6710:381) 29.VIII.1992 (MK).

*Distribution.* Sweden, Denmark, Norway, Great Britain, Karelia and Spain, cf. Kozlov (1978), Vlug (1995) and Buhl (1995b, 1999a, 1999b).

*Synopeas craterus* (Walker, 1835)

*Material.* 1 ♀: N: Nurmijärvi (6714: 385) 4.VII.1993 (MK).

*Distribution.* Also reported from Finland by Koponen & Huggert (1982).

\**Synopeas lugubris* Thomson, 1859

*Material.* 1 ♂: Sb: Savonranta (69081:6026) 21.V.–18.VI.1996 (PM). Window trap on dead aspen.

*Distribution.* Type material from Sweden redescribed by Buhl (1998); recorded from Denmark by Buhl (2000).

\**Synopeas* cf. *trebius* (Walker, 1835)

*Material.* 2 ♀: Sb: Savonranta, Muhamäki (69105:6049) 4.IX.–2.X.1996 (PM). Window trap on dead aspen.

*Distribution.* *S. trebius* known from England (Vlug 1995), Norway, Denmark (Buhl 1999a) and Spain (Buhl & Nieves-Aldrey 2000).

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