

## New records of platygastrid wasps (Hymenoptera: Platygastridae) from Russia and Georgia

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## Новые находки наездников-платигастрид (Hymenoptera: Platygastridae) в России и Грузии

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**Abstract.** The new data on distributions of nine species of platygastrid wasps in the fauna of Russia are given. Of them, *Leptacis laodice* (Walker, 1836) is recorded in the fauna of Russia for the first time. New species are recorded for Leningradskaya, Moscow, Chelyabinsk and Irkutsk Provinces, Stavropol, Altai and Primorskiy Territories, Chuvashia, Mordovia, Crimea and Sakha (Yakutia) Republics. Also three platygastrid species are reported as new for the fauna of Georgia, *Acerotella boter* (Walker, 1838), *Amblyaspis aliena* (Nees, 1834) and *A. nodicornis* (Nees, 1834).

**Key words.** Platygastridae, new records, fauna, geographical distribution, Palaearctic region.

**Резюме.** Приводятся новые данные по распространению 9 видов наездников-платигастрид на территории России. Из них *Leptacis laodice* (Walker, 1836) впервые указывается для фауны России. Новые виды приводятся для фауны Ленинградской, Московской, Челябинской и Иркутской областей, Ставропольского, Алтайского и Приморского краев, республик Чувашия, Мордовия, Крым и Саха (Якутия). Помимо этого, 3 вида – *Acerotella boter* (Walker, 1838), *Amblyaspis aliena* (Nees, 1834) и *A. nodicornis* (Nees, 1834) – указываются впервые для фауны Грузии.

**Ключевые слова.** Platygastridae, новые находки, фауна, распространение, Палеарктика.

### Introduction

The family Platygastridae is treated here in a traditional concept, according to which it is divided into two subfamilies, Platygasterinae and Sceliotrachelinae (Masner, 1993; Austin et al., 2005). This group of parasitoid wasps is still relatively poorly studied, despite the important role of many species as biological control agents in various natural and anthropogenous ecosystems (Vlug, 1995).

There have been so far only a few works devoted to Platygastridae of the fauna of Russia (Kozlov, 1971, 1977, 1978, 1989; Proshchalykin, 2012). The purpose of the present study is to document several previously unpublished records of Platygastridae from various regions of Russia and from the territory of adjacent Georgia. The article is based on materials from the collection of the Zoological Institute of the Russian Academy of Sciences (St Petersburg) as well as materials collected by the author and housed at the Department of Entomology, Lomonosov Moscow State University (Moscow).

Actual list of species of Platygastriidae in the Russian fauna is published in the second volume of the “Annotated catalogue of Hymenoptera of Russia” (Timokhov, 2019).

## Material and methods

The distribution of considered species is given mainly according to Kozlov (1971, 1978) with some additions according to Kozlov (1974); Buhl (1997, 1999, 2009, 2010); Buhl, Choi (2006); Ghahari, Buhl (2011). The following abbreviations are used below: ZISP – Zoological Institute of the Russian Academy of Sciences, St Petersburg; MSU – Lomonosov Moscow State University, Moscow. New distribution records are marked with an asterisk (\*).

## List of species

### Subfamily Platygastrinae

#### *Acerotella boter* (Walker, 1838)

*Material examined.* GEORGIA. 2 females, Kokhta, vicinity of Bakuriani, Borjomi District, 16.VIII.1958 (Lyao Din-Si leg.); 1 female, Autonomous Republic of Adjaria, Rakvta, Khuloysky District [=Khulo Municipality], fringe of spruce forest, 1.VIII.1953 (V. Triapitsyn leg.) (ZISP).

*Distribution.* Russia: European part (Republic of Karelia, Leningradskaya Province). – Europe (W, N, E), \*Georgia.

#### *Amblyaspis aliena* (Nees von Esenbeck, 1834)

*Material examined.* GEORGIA. 1 female, Kojori, Tiflis Province and uyezd [=Tbilisi Municipality], 17–18.VI.[1]916 (Andrievskiy leg.) (ZISP).

*Distribution.* Russia: European part (Leningradskaya and Yaroslavl Provinces). – Europe (W, E), \*Georgia.

#### *Amblyaspis nodicornis* (Nees von Esenbeck, 1834)

*Material examined.* RUSSIA. *Leningradskaya Province:* 1 female, Stary Petergof, 15.VIII.1954 (V. Triapitsyn leg.). GEORGIA. 1 female, Lagodekhi (without date and collector name) (ZISP).

*Distribution.* Russia: European part (\*Leningradskaya, Moscow and Yaroslavl Provinces). – Europe (W, N, E), \*Georgia.

#### *Amblyaspis tritici* (Walker, 1835)

*Material examined.* RUSSIA. *Chelyabinsk Province:* 1 female, Ilmenskiy Nature Reserve, 13.VII.1958 (V. Tobias leg.). *Irkutsk Province:* 1 female, Padun [= Bratsk] on the Verkhnyaya Tunguska [= Angara] River, 1867 (Chekanovskiy leg.) (ZISP).

*Distribution.* Russia: European part (Republic of Karelia, Leningradskaya, Moscow and Yaroslavl Provinces), \*Ural (Chelyabinsk Province), \*Eastern Siberia (Irkutsk Province). – Europe (W, N, E).

#### *Inostemma boscii* (Jurine, 1807)

*Material examined.* RUSSIA. *Altai Territory:* 2 females, 1 male, Lebyazh'e, from beans of *Caragana arborescens* Lam. (Fabaceae), 22.VI.1947 (I. Egorov leg.) (ZISP).

*Distribution.* Russia: European part (Leningradskaya and Moscow Provinces), \*Western Siberia (Altai Territory). – Europe (W, N, E), Korean Peninsula.

#### *Isocybus bifracticornis* (Zetterstedt, 1838)

*Material examined.* RUSSIA. *Moscow Province:* 1 male, Odintsovo District, vicinity of Zvenigorod Biological Station of MSU, raised bog Sima, 55°40'13.2"N 36°42'50.3"E, 21.V.2012 (A. Timokhov leg.) (MSU).

*Distribution.* Russia: \*European part (Moscow Province), Eastern Siberia (Irkutsk Province). – Europe (N).

### ***Isocybus matuta* (Walker, 1835)**

*Material examined.* RUSSIA. Irkutsk Province: 1 female, Usol'e [= Usol'e-Sibirske], 20.VII.1910 (Startseva leg.). Republic of Sakha (Yakutia): 1 male, Tyube-Baga, left bank of the Lena River, opposite to the Aldan creek, 7.VII.1926 (L. Bianki leg.) (ZISP).

*Distribution.* Russia: European part (Leningradskaya and Volgograd Provinces), \*Eastern Siberia (Republic of Sakha (Yakutia), Irkutsk Province). – Europe (W, N, E).

### ***Isostasius inserens* (Kirby, 1800)**

*Material examined.* RUSSIA. Republic of Chuvashia: 1 male, Asanovo, floodplain, 4.VIII.1966 (M. Kozlov leg.). Stavropol Territory: 1 male, Yessentuki, Bely Ugol' Station, hillsides, 19.VII.1960 (E. Sugonyaev leg.) (ZISP).

*Distribution.* Russia: European part (\*Chuvashia and Dagestan Republics, Moscow Province, \*Stavropol Territory). – Europe (W, N), Mongolia.

### ***Leptacis curvispinus* Kozlov, 1978**

*Material examined.* RUSSIA. Republic of Mordovia: 1 female, Saransk, “Vicia + Avena”, summer of 1966 (Makarov leg.) (ZISP).

*Remarks.* The specimen from Republic of Mordovia is also supplied with a red label “Paratype / *Leptacis / curvispinus* Kozlov”, however in fact it has not been included into the type series (Kozlov, 1978). Having examined the type series of *L. curvispinus* in ZISP collection [MOLDOVA: 1 female (holotype), Kishinev [= Chișinău], shelter belt of garden, 9.VII.1960 (M. Kozlov leg.); 1 male (paratype), the same label as holotype, but 13.VII.1960 (M. Kozlov leg.); 1 male (paratype), Rybnitsky [= Rîbnița] District, Plot' [= Plopji], garden, 20.VII.1960 (M. Kozlov leg.). RUSSIA: 1 female (paratype), [Kabardino-Balkaria Republic], vicinity of Terskol, south slope of Elbrus Mount, 2200–3000 m a.s.l., 19.VIII.1960 (E. Sugonyaev leg.)], I have no doubt that the mentioned specimen belongs to the same species.

*Distribution.* Russia: European part (Kabardino-Balkaria and \*Mordovia Republics). – Europe (E).

### ***Leptacis laodice* (Walker, 1836)**

*Material examined.* \*RUSSIA. Republic of Dagestan: 1 female, Kumtorkalinskiy District, Dagestan Nature Reserve, “Barkhan Sarykum”, sands, 11.VII.1960 (E. Sugonyaev leg.) (ZISP).

*Distribution.* \*Russia: European part (Dagestan Republic). – Europe (W, N, E), United Arab Emirates, Korean Peninsula.

## **Subfamily Sceliotrachelinae**

### ***Amitus longicornis* (Foerster, 1878)**

*Material examined.* RUSSIA. Republic of Crimea: 1 female, Nikitskiy Botanical Garden, from *Bemisia silvatica* Danzig (Aleyrodidae) on *Crataegus monogyna* Jacq. (Rosaceae), 27.VII.1964 (V. Korobitsyn leg.); 1 female, “Crimea” [without specifying an exact location], from *Aleurolobus asari* Wünn, 12.VIII.1964 (M. Kozlov leg.). Primorskiy Territory: 1 female, Vladivostok, Akademgorodok, 13.VII.1961 (M. Kozlov leg.) (all ZISP).

*Distribution.* Russia: European part (Republic of Karelia, Leningradskaya Province, Krasnodar Territory, \*Republic of Crimea), \*Far East (Primorskiy Territory). – Europe (W, N, E), Iran, ? Laos (Buhl, 2009; should be verified).

## **Acknowledgements**

The author is grateful to the curator of the Hymenoptera collection of ZISP, Dr S.A. Belokobylskij, for kindly allowing him to examine the relevant material. The work was supported by the Russian Funds for Basic Research (Project No. 18–04–00611) and by R&D (No. AAAA–A16–116021660101–5).

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