

New data on the distribution of bethylid wasps (Hymenoptera: Bethylidae) in Russia

K.I. Fadeev

Новые данные по распространению ос-бетилид (Hymenoptera: Bethylidae) в России

К.И. Фадеев

Zoological Institute, Russian Academy of Sciences, Universitetskaya nab., 1, St Petersburg 199034, Russia. E-mail: Kirill.Fadeev@zin.ru

Зоологический институт Российской академии наук, Университетская наб., 1, Санкт-Петербург 199034, Россия

Abstract. The new data on distributions of six species of bethylid wasps in the fauna of Russia are given. Of them, *Acrepyris masii* (Giordani Soika, 1933), *Pseudisobrachium subcyaneum* (Haliday, 1838), *Odontepyris erucarum* (Szelenyi, 1958), *Laelius femoralis* (Förster, 1860), and *Sclerodermus domesticus* Klug, 1809 are recorded in the fauna of Russia for the first time.

Key words. Hymenoptera, Bethylidae, fauna, new data, Palaearctic Region

Резюме. Приводятся новые данные по распространению 6 видов ос-бетилид на территории России. Из них *Acrepyris masii* (Giordani Soika, 1933), *Pseudisobrachium subcyaneum* (Haliday, 1838), *Odontepyris erucarum* (Szelenyi, 1958), *Laelius femoralis* (Förster, 1860) и *Sclerodermus domesticus* Klug, 1809 впервые указываются для фауны России.

Ключевые слова. Hymenoptera, Bethylidae, фауна, новые данные, Палеарктика

Introduction

Up to present only ten species of Bethylidae were known in the fauna of the European part of Russia (Kieffer, 1914; Trjapitzin, 1978; Argaman, 2003). After study of the materials in the collections of the Zoological Institute (St Petersburg; ZISP) and Zoological Museum of the Moscow State University (ZMMU) additional taxa for the fauna of Russia and new data for distribution of some species are added. New records are asterisked (*) in the text.

Family Bethylidae

Subfamily Pristocerinae

Acrepyris masii (Giordani Soika, 1933)

Material examined. *Russia. Krasnodar Terr.: Sochi, 21.IX–2.X.1926 (A. Shestakov), 3 ♂. Crimea Rep.: Evpatoria, 9. IX.1905 (V. Yakovlev), 1 ♂; Koktebel', 1–8.VIII.2007 (K. Tomkovich), 2 ♂.

Distribution. *Russia: Krasnodar Terr., Crimea Rep. – Europe (Soika, 1933; Alencar et al., 2016).

***Pristocera depressa* (Fabricius, 1805)**

Material examined. Russia. *Rostov Prov.: Rodionovo-Nesvetay District, Persyanovka, 15.IV.1999 (D. Dubovikoff), 2 ♂, 2 ♀. *Volgograd Prov.: Kotluban', 22.III–12.IV.2007 (K. Grebennikov), 2 ♂. *Astrakhan Prov.: Baskunchak Lake, 48,193°N, 46,813°E, 1 & 2.V.2010 (K. Tomkovich), 1 ♂. Crimea Rep.: Kerch, 22.I.1902 & 25.II.1903 (collector unknown), 2 ♂; Symferopol, 4.III.1978 (S. Mosyakin), 1 ♂.

Distribution. Russia: Crimea Rep. (Trjapitzin, 1978), *Rostov, *Volgograd and *Astrakhan Provinces. – Europe.

***Pseudisobrachium subcyaneum* (Haliday, 1838)**

Material examined. *Russia. Ryazan Prov.: Gremyachka, 20–22.VIII.1899, 26.VIII.1901, and 6.IX.1902 (A. Semenov), 5 ♂. Lipetsk Prov.: Donskoe, 23–28.VIII.1999 (K. Tomkovich), 4 ♂; Kursk Prov.: Petropavlovskoe, 11.IX.1937 (D. Dovernar), 1 ♂; Central Chernozemny Nature Reserve, 24 & 25.VIII.1963 (K. Arnoldi), 2 ♂. Voronezh Prov.: Taly, 10.IX.1938 (A. Lyubischev), 1 ♂; Ramon', 31.VII–23.VIII.1949, 5 ♂, 6.IX.1950, 1 ♂, 3–24.VIII.1951, 7 ♂, and 14.VIII.1952, 1 ♂ (V. Negrobov); Olkhovatka, 6.VIII.1951 (V. Negrobov), 1 ♂; 20 km SW Bobrov, 30. VII.1979 (N. Storozheva), 2 ♂. Udmurtia Rep.: Mouth of Siva River, 31.VII.1989 (A. Sitdikov), 2 ♂. Chuvash Rep.: Prisurskiy Nature Reserve, Atrat', 29.VII–9.VIII.2016 (L. Egorov), 1 ♀. Ulyanovsk Prov.: 8 km S Shilovka, 2.VIII.2009 (A. Kovalev), 1 ♂; 4 km S Vyazovka, 3.VIII.1998 (V. Isaeva), 1 ♂. Samara Prov.: Vilovatoe 28.VIII.2009 (K. Samartsev), 1 ♂. Chelyabinsk Prov.: Varna District, Nikolaevka, 21.VI.1998 (V. Olshvang), 1 ♂. Orenburg Prov.: Orsk, 8.VIII.1936 (I. Chetyrkina), 1 ♂; 20 km S Sagarchin, 17–20.VIII.2004 (V. Krivokhatskiy), 1 ♂; 18 km NNE Podgornoe, 15.VIII.2004 (E. Narchuk), 2 ♂. Volgograd Prov.: Sarepta [= Volgograd], 1868 (A. Becker), 2 ♂; Erzovka, 4.VIII.1985 (E. Komarov), 1 ♂; Elton Lake, 14–16.VII.2012 (K. Samartsev), 1 ♂; Baybaev, 16 & 17.IX.2015 (D. Astakhov), 6 ♂. Astrakhan Prov.: Kharabaly, 4.VIII.1974 (V. Kostyukov), 2 ♂; Dosang, 22.VI.2004 (A. Khalaim), 1 ♂; Baskunchak Lake, 29.VII.1995 (K. Tomkovich), 3 ♂; Bogdo-Baskunchak Nature Reserve, 10 & 11.VII.2014 (K. Grebennikov), 1 ♂. Krasnodar Terr.: Lazarevskoe, 3–24.X.1980, 21 ♂, 11.IX–9.X.1981, 124 ♂ (V. Tobias), 27.IX–2.X.1985 (A. Kirejtshuk), 1 ♂, 16–17.IX.2015 (E. Tselikh), 2 ♂. Crimea Rep.: Steregushchee, 21.VII.1995 (V. Kolyada), 1 ♂; Krestyanovka, 27.VII.1949 (I. Maltsev), 1 ♂; Koktebel', 1–8.IX.2007 (K. Tomkovich), 2 ♂; Karadag, 7.VIII.1994 (V. Krivokhatskiy), 3 ♂; Bakhchisaray District, Zagorskoe Reservoir, 7.IX. 2006 (A. Fateryga), 1 ♂.

Distribution. *Russia: Udmurtia and Chuvash Rep., Ryazan, Lipetsk, Kursk, Voronezh Prov., Krasnodar Terr., Crimea Rep., Volgograd, Astrakhan, Ulyanovsk, Samara, Chelyabinsk, Orenburg Prov. – Europe.

Subfamily Bethylinae

***Odontepyris erucarum* (Szelenyi, 1958)**

Material examined. *Russia. Samara Prov.: Zhiguli Nature Reserve, 24.VII.1948 (A. Chistovskiy), 1 ♀; Domashka, 8 & 9.V.2011 and 29.VI.2011 (V. Chemyreva), 2 ♀. Volgograd Prov.: Shcherbatovka, 7 & 8.VIII.2008 (K. Grebennikov), 1 ♀; Trekhostrovskaya, 25.VII.2008 (K. Grebennikov), 1 ♀. Kalmykia: Idzhyl, 13.VII.2015 (S. Belokobylskiy), 1 ♂. Crimea Rep.: Symferopol District, Dacha-Gorka, 30.VI.2013 (S. Ivanov), 1 ♀.

Distribution. *Russia: Samara and Volgograd Prov., Kalmyk and Crimea Rep. – Europe.

Subfamily Epyrinae

***Laelius femoralis* (Förster, 1860)**

Material examined. *Russia: Moscow Prov.: Ostroga, 15.VIII.1996 (V. Gorbatovskiy), 2 ♀.

Distribution. *Russia: Moscow Prov. – Europe.

Subfamily Scleroderminae

***Sclerodermus domesticus* Klug, 1809**

Material examined. *Russia. Bryansk Prov.: Velikaya Topal', 11.VII.1968 (V. Gorbatovskiy), 1 ♀. Volgograd Prov.: Sarepta [= Volgograd], 1872 (A. Becker), 1 ♀. Krasnodar Terr.: Anapa, 11.XI.1989, from pupa of *Semanotus russicus* (F.) (A. Miroshnikov), 3 ♀. Crimea Rep.: Evpatoria, 15.XII.1905 (V. Yakovlev), 1 ♀; Sevastopol, 25.V.1908, 2 ♀., 24.V.1910, 1 ♀, (W. Pliginskii); Sevastopol, 9.VII.1940, from *Oligomerus ptilinooides* Woll. (Anobiidae) (V. Parfentiev), 1 ♀; Symferopol, 28.I–2.II.1952 (I. Maltsev), 20 ♀.

Distribution. *Russia: Bryansk and Volgograd Prov., Krasnodar Terr., Crimea Rep. – Europe.

Acknowledgments

I would like to express my gratitude to S.A. Belokobylskij and Yu.V. Astafurova (ZISP) for their help in the preparation of the manuscript. My great thanks is due to A.V. Antropov (ZMMU), curator of collections, for kindly loaned specimens.

References

- Alencar I.D.C.C., Colombo W.D., Azevedo C.O. 2016. *Pristocera masii*: rediscovery of the holotype and its transfer to *Acrepyris* (Hymenoptera: Bethylidae). *Acta Entomologica Musei Nationalis Pragae*, **56**(2): 795–803.
- Argaman Q. 2003. Generic synopsis of Mesitinae Kieffer, 1914 (Hymenoptera: Bethylidae). *Entomofauna*, **24**: 61–96.
- Kieffer J.J. 1914. *Bethylidae. Das Tierreich*, 41. Berlin: R. Friedländer und Sohn. 595 pp.
- Soika A.G. 1933. Descrizione di un nuovo „Bethilide“, del genere „*Pristocera*“ Klug. *Atti della Società Veneto-Trentina di Scienze Naturali Residente in Padova, Serie 3*, **23**: 99–101.
- Trjapitzin V.A. 1978. Bethylidae. *Key to the insects of the USSR European part. Hymenoptera*. **3**(2): 6–16. (In Russian).