

New records of sphecid digger wasps (Hymenoptera: Apoidea: Sphecidae) in Russia

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Новые находки роющих ос семейства Sphecidae (Hymenoptera: Apoidea) в России

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Abstract. The genus *Chilosphex* Menke, 1976 and three species of sphecid digger wasps, *Chalybion walteri* (Kohl, 1889), *Sphex pruinosus* Germar, 1817 and *Chilosphex argyrius* (Brullé, 1833), are recorded from Russia for the first time. *Ammophila hungarica* Mocsáry, 1883 is newly recorded from North Caucasus.

Key words. Sphecid digger wasps, fauna, distribution, Russia.

Резюме. Род *Chilosphex* Menke, 1976 и 3 вида – *Chalybion walteri* (Kohl, 1889), *Sphex pruinosus* Germar, 1817 и *Chilosphex argyrius* (Brullé, 1833) – указываются впервые для фауны России, а *Ammophila hungarica* Mocsáry, 1883 – впервые для Северного Кавказа.

Ключевые слова. Роющие осы, фауна, распространение, Россия.

Introduction

Digger wasps from fam. Sphecidae is mainly large, actively flying and clearly visible insects. Sphecid wasps characterized by caring of posterity. The females make the nests and provide it by provision – paralyzed or dead insects from the orders of Orthoptera, Dytioptera, Lepidoptera, Hymenoptera, as well as spiders. The adult insects feed on nectar and pollinating the flowering plants. The elongated mouthparts of most Sphecidae allows them to visit flowers with deeply located nectaries. Sphecidae make their nests in the ground, often in sandy soils; the females of *Sceliphron* Klug, 1801 make the mud-nests and *Chalybion* Dahlbom, 1843 arrange nests in the ready cavities. Most of Sphecidae prefer the open landscapes; they are rare in the forests (Bohart, Menke, 1976; Kazenas, 2001).

The family distributed worldwide, mainly in arid, semiarid and tropical regions. Number of taxa: Word – 19 genera and 779 species, Palaearctic – 13 and 260, Russia – 11 and 68 accordingly (Pulawski, 2017 and current data).

This note is in addition to the already published paper (Danilov, Mokrousov, 2017). Complete list of species of Sphecidae in the Russian fauna will be published in the preparing “Annotated catalogue of Hymenoptera of Russia”.

Material and methods

This paper is based on the material collected by Mikhail V. Mokrousov in June – August 2017 in Dagestan Republic and Astrakhan Province of Russia. The material is kept in the Institute of Systematics and Ecology of Animals, SB RAS, Novosibirsk, Russia (ISEN). The general distribution is given by Pulawski, 2017. New records are asterisked (*).

List of species

***Chalybion walteri* (Kohl, 1889)**

Material examined. Russia: Dagestan: Kumtorkalinskiy District, Dagestan State Reserve, “Barkhan Sarykum”, 43.01° N, 47.237° E, 1–2.VI.2017, 6 ♂; Derbent District, Kamyshchay River valley, 41.908° N 48.233° E, 11–13.VI.2017, 3 ♂.

Distribution. *Russia (Dagestan Republic). – Greece, Egypt, Turkey, Syria, Jordan, Iran, Turkmenistan, Uzbekistan, Tajikistan, Kyrgyzstan, Kazakhstan.

***Sphex pruinosus* Germar, 1817**

Material examined. Russia: Astrakhan Prov.:Yenotayevskiy District, near Volzhskiy, 46.965° N, 47.53° E, 14.VIII.2017, 3 ♂. Dagestan Republic: Derbent District, Kamyshchay River valley, 41.908° N 48.233° E, 21.VIII.2017, 5 ♂; Derbent, 42.1° N, 48.289° E, 24.VIII.2017, 1 ♂.

Distribution. *Russia (Astrakhan Prov., Dagestan Republic). – France, Portugal, Spain, Italy, Malta, Croatia, Macedonia, Albania, Bulgaria, Greece, Cyprus, Morocco, Algeria, Tunisia, Libya, Egypt, Turkey, Syria, Lebanon, Israel, Iran, Yemen, Oman, Saudi Arabia, UAE, Pakistan, Afghanistan, Turkmenistan, Uzbekistan, Tajikistan, Kyrgyzstan, Kazakhstan; Ethiopia, Djibouti; India.

***Chilosphex argyrius* (Brullé, 1833)**

Material examined. Russia: Dagestan: Derbent District, Kamyshchay River valley, 41.908° N 48.233° E, 10.VI.2017, 7 ♂, 3 ♀; Derbent District, 10 km S Derbent, 41.961° N 48.27° E, 11.VI.2017, 3 ♂.

Distribution. *Russia (Dagestan Republic). – France, Luxembourg, Slovenia, Spain, Italy, Croatia, Greece, Turkey, Israel, Iraq, Iran, Turkmenistan.

Remark. The genus and species are recorded from Russia for the first time.

***Ammophila hungarica* Mocsáry, 1883**

Material examined. Russia: Dagestan, Magaramkent District, Samur Reserve, 41.86° N, 48.55° E, 7–8.VI.2017, 2 ♀.

Distribution. Russia (*Dagestan and Crimea Republics, Omsk and Novosibirsk Prov., Altai Terr.). – France, Belgium, Austria, Czech Republic, Slovakia, Hungary, Slovenia, Portugal, Spain, Italy, Romania, Bulgaria, Greece, Cyprus, Morocco, Armenia, Turkey, Syria, Jordan, Iran, Afghanistan, Turkmenistan, Uzbekistan, Tajikistan, Kazakhstan.

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