



Additional records of the genus *Hylaeus* Fabricius, 1793 (Hymenoptera: Apoidea: Colletidae) from Siberia, with description of a new species

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Abstract

As a supplement to a previously published study on Siberian *Hylaeus* species, we here report further records of twenty six rarely collected and little known species. Thirty two species are currently known from Siberia, including *Hylaeus dorni* Dathe, 1986, *H. gredleri* Förster, 1871, *H. hungaricus* (Alfken, 1905), *H. moricei* (Friese, 1898), *H. nimbatus* Dathe, 1986, *H. oehlkei* Dathe, 2010 and *H. stubbei* Dathe, 1986, which are reported from Russia for the first time, and *H. brevicornis* Nylander, 1852, *H. communis* Nylander, 1852, *H. pfankuchi* (Alfken, 1919) and *H. styriacus* Förster, 1871, which are newly recorded from Siberia. *Hylaeus (Hylaeus) pesenkoi* Proshchalykin & Dathe, **sp. nov.** is described as new from Siberia (Altai Republic and Tyva Republic) and neighbouring Mongolia (Khovd and Govi-Altai Aimags). The females of *H. dorni* Dathe, 1986 and *H. oehlkei* Dathe, 2010 are described for the first time; *H. peregrinus* Dathe, 1986 was recognised as the female of *H. stubbei* Dathe, 1986 and is treated as a new synonym.

Key words: Asian part of Russia, bees, fauna, Palaearctic region, taxonomy

Introduction

Here we continue our study, started in 2012, of the *Hylaeus* bees of the Asian part of Russia (Proshchalykin & Dathe 2012). After the publication of the first paper one of us (MYP) organized three expeditions (2012–2014) to South Siberia (Krasnoyarsk Territory, Altai Republic, Khakassia Republic and Tyva Republic) and was able to collect a rich sample of material. In addition to these new specimens, also included in this contribution are previously unstudied specimens that were discovered in a number of museum collections. We report additional records of 26 species, including one species new to science and eleven others recorded from Siberia for the first time, bringing the total number of species of *Hylaeus* known from this region to 32 (Table 1), and thus completing our study of the Siberian taxa.

Material and methods

The morphological terms generally follow Michener (2000, 2007) and Dathe (2015a). For the terminology, the following abbreviations are used in the text:

T1, T2, T3, etc.—The first, second, third, etc., metasomal terga;

S1, S2, S3, etc.—The first, second, third, etc., metasomal sterna;

CL—Clypeal length. The median length of the clypeus from the basal to the apical margin;

CW—Clypeal width. The distance between the clypeal margins at the level of the tentorial pits;

HL—Head length. The maximum midline distance between the occipital margin and the apical margin of the clypeus in frontal view;