



The type specimens of bees (Hymenoptera, Apoidea) deposited in the Zoological Institute of the Russian Academy of Sciences, St. Petersburg. Contribution VIII. Family Andrenidae, subfamily Panurginae

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Abstract

The type specimens for names of bee taxa in the subfamily Panurginae of family Andrenidae deposited in the Zoological Institute, Russian Academy of Sciences (St. Petersburg) are reviewed. Primary types of 39 taxa are illustrated and detailed information is provided (taxa include 19 described by F. Morawitz; nine by V. Popov; seven by T. Romankova and Yu. Astafurova; three by E. Eversmann; one by A. Osytshnjuk). *Panurginus nitidulus* Morawitz, 1889 **sp. resurr.** is resurrected from synonymy with *P. nigripes* Morawitz, 1880. A new synonymy is established for *Camptopoeum rufiventre* Morawitz, 1880 = *C. rufiventre flavovaria* Popov, 1936, **syn. nov.** *Panurgus clypeatus* Eversmann, 1852 was synonymised with *Panurginus labiatus* (Eversmann, 1852) but is now recognised as a synonym of *Panurginus niger* Nylander, 1848, **syn. nov.** Lectotypes are here designated for the following ten nominal taxa: *Camptopoeum altaicum* Morawitz, 1891, *C. rufiventre flavovaria* Popov, 1936, *C. schewyrewi* Morawitz, 1897, *Epimethea variegata* Morawitz, 1875, *Macrocera nasalis* Eversmann, 1852, *Panurginus nitidulus* Morawitz, 1889, *P. semiopacus* Morawitz, 1894, *Panurgus clypeatus* Eversmann, 1852, *P. siculus* Morawitz, 1871, and *Poecilomelitta ornata* Popov, 1951.

Key words: Anthophila, Apiformes, lectotypes, Palaearctic region, taxonomy

Introduction

The present paper is the eighth part (and last for the family Andrenidae) of a series of works (Astafurova & Proshchalykin 2018, 2019, 2020a; Astafurova *et al.* 2021, 2022a, 2023, 2024; see also Proshchalykin & Kuhlmann 2015; Dathe & Proshchalykin 2017; Astafurova & Proshchalykin 2020b; Astafurova *et al.* 2022b) dealing with the primary type specimens of bee taxa deposited in the Zoological Institute of the Russian Academy of Sciences, St. Petersburg [ZISP], the main goal of which is to make the ZISP collection of bees more accessible and useful to scientists. A detailed history of the formation of this collection and description of its current state are provided in the first part of the series (Astafurova & Proshchalykin 2018).

The ZISP collection of Panurginae is housed in 13 drawers and comprises more than 4,300 pinned, labelled and identified specimens belonging to 67 species from tribes Panurgini and Melitturgini. The most valuable part of the general collection, along with 39 primary types of Panurginae, comprise the some secondary type specimens (paratypes, paralectotypes, 110 specimens in total) of 25 species and subspecies described by F. Morawitz, V. Popov, E. Eversmann, Yu. Astafurova, T. Romankova, H. Friese, K. Warncke, and A. Osytshnjuk.

The Panurginae are usually smaller, less hairy bees than the Andreninae, and sometimes bear yellow or cream-coloured markings on all tagmata (in the Andreninae such markings, when present, are restricted to the face, usually only in males). The Panurginae form a large part of the bee fauna in parts of North and South America, but are rare in the tropics. They are much less common in the Old World, but occur in the Palaearctic region and Africa. They are absent from Australia and tropical Asia. According to Michener (2007), the subfamily contains 32 genera from seven tribes and about 1250 species. Work continues on the classification of this bee group, including the identification of new taxa of supraspecific rank (Engel *et al.* 2019; Bossert *et al.* 2022; Wood *et al.* 2022).

Type locality: Germab, Akhal Province (Turkmenistan).

Published (original) locality: “Transcaspico: Germab”.

Remarks. The lectotype designation by Proshchalykin *et al.* (2016: 570) is invalid because Chemakhli (Azerbaijan) is not the type locality of this species. There are no specimens labelled Germab (Turkmenistan) in the ZISP collection.

Current status. *Melitturga (Melitturga) pictipes* Morawitz, 1891 (according to Patiny 1999a: 245).

Acknowledgements

We are grateful to T.J. Wood (Leiden, the Netherlands) and S. Patiny (Mons, Belgium) for careful review of the manuscript and comments that improved the text.

The research was carried out within the state assignment of Ministry of Science and Higher Education of the Russian Federation (themes No. 122031100272-3 and No. 124012400285-7).

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