

The type specimens of bees (Hymenoptera, Apoidea) deposited in the Zoological Institute of the Russian Academy of Sciences, St. Petersburg. Contribution X. Family Megachilidae, tribe Anthidiini, species described by V.B. Popov and V.V. Gussakovskij

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Abstract

The type specimens for names of bee taxa in the tribe Anthidiini, described by Vladimir B. Popov and Vladimir V. Gussakovskij and deposited in the Zoological Institute, Russian Academy of Sciences (St. Petersburg), are reviewed. Primary types of 16 taxa (14 described by V. Popov and 2 described by V. Gussakovskij) are illustrated and detailed information is provided. Lectotypes are designated for *Anthidium punctatum* ssp. *zaidamense* Popov, 1948 and *Anthidium reichardti* Gussakovskij, 1930.

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

Introduction

The present paper is the tenth part (and third for the family Megachilidae) of a series of works (Astafurova & Proshchalykin 2018, 2019, 2020a, 2024; Astafurova *et al.* 2021, 2022a, 2023, 2024; Ivlev *et al.* 2025a,b; see also Proshchalykin & Kuhlmann 2015; Dathe & Proshchalykin 2017; Astafurova & Proshchalykin 2020b; Astafurova *et al.* 2022b; Rasmont *et al.* 2026) 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 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 the tribe Anthidiini is housed in 30 drawers and comprises more than 4700 pinned, labeled and identified specimens belonging to 153 species. The most valuable part of the general collection, in addition to 60 primary types of Anthidiini, are secondary type specimens (paratypes and paralectotypes; 104 specimens in total) of 34 species and subspecies described by Ferdinand Morawitz, Vladimir Popov, Vsevolod Gussakovskij, Klaus Warncke, and Heinrich Friese. The detailed history of researchers who worked with types of the tribe Anthidiini in ZISP is provided in our previous paper (Ivlev *et al.* 2025b).

Vladimir Veniaminovich (Benjamin) Popov (1902–1960) was a renowned Russian entomologist who specialised in the systematics, evolution and ecology of bees. He organised and participated in numerous expeditions across the USSR, including to Kazakhstan, Turkmenistan, Tajikistan, Uzbekistan, Kyrgyzstan, Armenia and southwestern China. These expeditions yielded extensive material that formed the basis for much of his taxonomic work. He published 121 papers, 109 of which were on bees. His major contributions include taxonomic revisions of numerous genera and subgenera across multiple families, descriptions of two new tribes (Ctenoplectrini Popov & Guiglia, 1936

16. *Stelis strandi* Popov, 1935

(Fig. 16a–e)

Stelis strandi Popov, 1935b: 216, ♀.

Type locality: Qamashi (Uzbekistan).

Published locality: “Kammashi; Kabadian”.

Holotype: ♀, golden circle // Каммаши [Uzbekistan, Qashqadaryo Region, Kammashi (=Qamashi), 38°49'27"N 66°27'39"E], 19.VII.[19]32, В. Гуссаковский [V. Gussakovskij leg.] // *Stelis strandi* sp. nov., Holotyp., ♀, 1934. [handwritten by V. Popov], Popov det. // Holotypus <red label> // Holotypus *Stelis strandi* Popov, 1935, ♀ <red label> // Zoological Institute St. Petersburg INS_HYM_0002732.

Paratypes: 3 ♀, Кабадиан, Таджикистан [Tajikistan, Kabadian (=Qubodiyon), 37°24'27"N 68°11'06"E], 13, 23.VI.1934, В. Гуссаковский [V. Gussakovskij leg.] // *Stelis strandi* sp. nov., ♀, Paratyp., Popov 1934 det. // Paratype <red label> // Paratype *Stelis strandi* Popov, 1935 <red label>.

Current status. *Stelis (Pseudostelis) strandi* Popov, 1935 (according to Popov 1956: 167).

Remarks. One paratype is deposited in the Oberösterreichisches Landesmuseum (Linz, Austria).

Description of male: Popov (1956: 168).

Distribution. Uzbekistan, Tajikistan (Popov 1935b, 1956, 1967b).

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