



## The type specimens of bees (Hymenoptera, Apoidea) deposited in the Zoological Institute of the Russian Academy of Sciences, St. Petersburg. Contribution V. Family Andrenidae, genus *Andrena* Fabricius, 1775, species described by E. Eversmann

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### Abstract

The type specimens for names of bee taxa in the genus *Andrena* Fabricius, 1775 described by E. Eversmann and which are deposited in the Zoological Institute, Russian Academy of Sciences (St. Petersburg) are reviewed. Primary types of 18 taxa are illustrated and detailed information is provided. New synonymy is established for three species: *Andrena fallax* Eversmann, 1852 (= *A. ispida* Warncke, 1965, **syn. nov.**); *A. assimilis* Radoszkowski, 1876 (= *A. gravida* Eversmann, 1852, nec *A. gravida* Imhoff, 1832, **syn. nov.**); *A. nigriceps* (Kirby, 1802) (= *A. nigrifrons* Eversmann, 1852, **syn. nov.**). Based on the lectotype studying we consider *Andrena fulva* Eversmann, 1852 (nec *A. fulva* Müller, 1766) to be a junior synonym of *A. (Taeniandrena) eversmanniana* Osytshnjuk, 1994, **stat. rev.**, not *A. (Margandrena) marginata* Fabricius, 1776, as opposed to Gusenleitner & Schwarz (2002). Corrections on lectotype data are provided for four taxa: *Andrena ambigua* Eversmann, 1852, *A. consobrina* Eversmann, 1852, *A. fulvitaris* Eversmann, 1852, and *A. scita* Eversmann, 1852.

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

### Introduction

The present paper is the fifth part of a series of works (Astafurova & Proshchalykin 2018, 2019, 2020; Astafurova *et al.* 2021) 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).

In the field of melittology, Eduard Eversmann (1794–1860) published four articles: on the structure of the nest of *Hylaeus [Halictus] quadricinctus* (Eversmann 1846a), two articles with description of some new bee species from Russia (Eversmann 1846b, 1854), and the widely known «Fauna Hymenopterologica Volgo-Uralensis [2nd part]» (Eversmann 1852) containing keys and description of many new species of bees. In total, he described 98 bee species from 25 genera. Most of the new species described by him are currently recognized. The main part of the Eversmann's collection of insects, including bees, was bought by the Russian Entomological Society and now is deposited in the ZISP (Pesenko & Astafurova 2003), but some specimens, including types are also stored in the Institute of Systematic and Experimental Zoology, Polish Academy of Sciences, Krakow, Poland [IZKP] (Popov 1960).

Eversmann (1852) described 30 species in the genus *Andrena* Fabricius, 1775 (Table 1), but seven names