



Review of mining flies of the genus *Phytobia* Lioy (Diptera: Agromyzidae): Western Palearctic species

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Abstract

Phytobia pseudobetulivora is described as new to science (type-locality: Tajikistan, Gissar ridge, Kondara ravine). The key for identification of West Palearctic *Phytobia* species is provided. New faunistic records are given. The neotype of *Agromyza errans* Meigen, 1830 is designated.

Key words: Diptera, Agromyzidae, *Phytobia*, new species, Tajikistan, faunistics

Introduction

This paper continued my treatment of cambium feeders of the genus *Phytobia* Lioy. The present article deals with West Palearctic *Phytobia* species. In this region occur 12 species [*abbreviata* Zlobin (2007a), *aucupariae* (Kangas, 1949), *betulivora* Spencer (1969), *bohémica* Černý (2001), *brevicosta* Zlobin (2007b), *cambii* (Hendel, 1931), *carbonaria* (Zetterstedt, 1848), *cerasiferae* (Kangas, 1955), *errans* (Meigen, 1830), *lunulata* (Hendel, 1931), *mallochi* (Hendel, 1924), *pseudobetulivora* sp.n.].

Material and methods

Present study is based on the collection of the Zoological Institute of the Russian Academy of Sciences (St.-Petersburg, Russia). The terminology and abbreviations follows Spencer (1976). The type specimen of new species and the neotype are deposited in the collection of the Zoological Institute (St.-Petersburg). In each figure, the scale bar indicates 0.5 mm.

Phytobia pseudobetulivora Zlobin, sp.n.

(Figs 1–3)

Female. Frons parallel-sides, as long as broad at level of anterior ocellus, twice width of eye, distinctly projecting above eye margin in profile, increasingly so towards antennal bases. Frontal plate ill differentiated. Frontal vitta broad, with a few fine hairs along front margin above upper margin of lunule. Lunule large, semi-circular, rounded above. 1 strong reclinate *ors* on right side and 2 on left side. 6 long, incurved *ori*. Orbital hairs in 2 irregular rows, predominantly reclinate. Third antennal segment small, slightly longer than broad, rounded, microscopically pilose. Arista short, 2/3 vertical height of eye, only faintly pubescent, swollen at