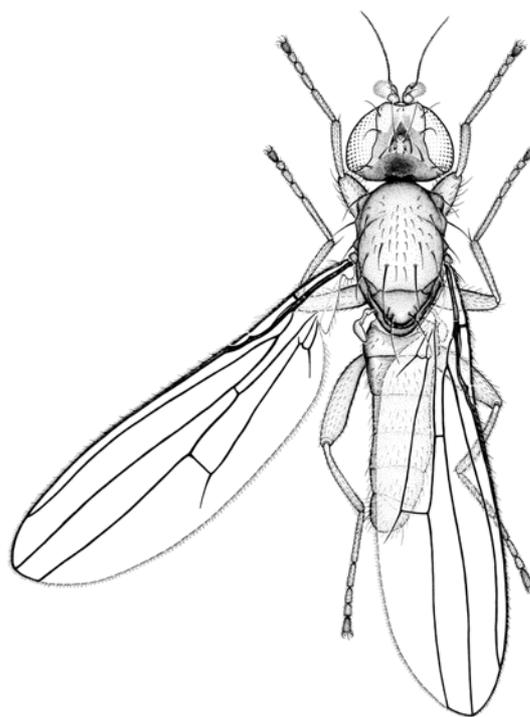


A monograph of Palaearctic Anthomyzidae (Diptera), Part 1.

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All the Palaearctic taxa of Anthomyzidae are monographed. In the first part of the monograph, the history of taxonomic investigations on the Palaearctic Anthomyzidae, the morphology of preimaginal stages (egg, larva, puparium) and adults, and the systematic position and higher classification of Anthomyzidae are reviewed. The systematic treatments of all taxa (including fossil ones) of Anthomyzidae recognized in the Palaearctic Region are presented, with most complete data dealing with nomenclature, type material, taxonomy (diagnoses and redescriptions, keys, illustrations of taxonomically important structures and diagnostic features), preimaginal stages, relationships, biology and distribution. Two subfamilies, Protanthomyzinae (with one fossil genus and one species) and Anthomyzinae (with 11 extant genera and 42 species), were recognized in the region: †*Proanthomyza* Hennig, 1965 (1 species), *Amygdalops* Lamb, 1914 (3 species), *Anagnota* Becker, 1902 (4 species), *Anthomyza* Fallén, 1810 (19 species), *Cercagnota* Roháček & Freidberg, 1993 (1 species), *Epischnomyia* gen.n. (1 species), *Fungomyza* Roháček, 1999 (1 species), *Paranthomyza* Czerny, 1902 (2 species), *Receptrix* gen.n. (1 species), *Santhomyza* Roháček, 1984 (3 species), *Stiphrosoma* Czerny, 1928 (6 species), *Typhamyza* Roháček, 1992 (1 species). Two new genera are established, viz. *Epischnomyia* gen.n. (type species: *Ischnomyia triarmigera* Sueyoshi & Roháček, 2003) and *Receptrix* gen.n. (type species: *Anthomyza receptrix* Roháček & Freidberg, 1993) and 5 new species are described, viz. *Anagnota oriens* sp.n. (Russia: W. Siberia), *Anthomyza clara* sp.n. (Switzerland, Estonia, Lithuania), *A. orineglecta* sp.n. (Kuril Is.: Iturup I.), *A. umbrosa* sp.n. (Madeira) and *Stiphrosoma grandis* sp.n. (Kuril Is.: Iturup I.). *Anthomyza dorsata* Collin, 1944 is synonymized (syn.n.) with *A. dissors* Collin, 1944 and two species are put in new combinations, *Epischnomyia triarmigera* (Sueyoshi & Roháček, 2003) comb.n. and *Receptrix receptrix* (Roháček & Freidberg, 1993) comb.n. Keys to the identification of all recognised taxa are presented.



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