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The Muscidae described by J. W. Zetterstedt (Insecta: Diptera)

ADRIAN C. PONT^{1,3},

WITH AN APPENDIX BY CHRISTER BERGSTRÖM² & ADRIAN C. PONT^{1,3}

¹Oxford University Museum of Natural History, Parks Road, Oxford OX1 3PW, UK, and The Natural History Museum,
Cromwell Road, London SW7 5BD, UK. E-mail: pont.muscidae@btinternet.com

²Säves Väg 10, S-752 63 Uppsala, Sweden. E-mail: christer.bergstrom@zeta.telenordia.se

³Corresponding author. E-mail: pont.muscidae@btinternet.com



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Table of contents

Abstract	3
Introduction	4
Principal collaborating entomologists who provided Zetterstedt with material	4
Notes on locality labels	7
Previous work on Zetterstedt's Muscidae	7
Format and arrangement of the Catalogue	8
Catalogue.....	8
Nomenclatural summary	66
Acknowledgements	70
References	70
Appendix	73

Abstract

The 204 species-group names of Muscidae proposed by J.W. Zetterstedt, including the species described by Stenhammar and Wahlberg in Zetterstedt, are reviewed. Excluded from this total are the *nomina nuda* listed in Zetterstedt (1837, 1845). Of these 204 names, 192 are available names, whilst 10 are unavailable because they are *nomina nuda* or were proposed in synonymy and not made available before 1961 (*Aricia atrata*, *Anthomyza bicolor*, *Cyrtoneura coeruleascens*, *Cyrtoneura curvinervis*, *Anthomyza insignita*, *Pyrellia luteipennis*, *Pyrellia parviceps*, *Aricia pulchella*, *Anthomyza pusilla*, *Aricia sororia*), and two are unjustified emendations (*Anthomyza ocreata*, *Anthomyza trigonota*). Of the 192 available names, 85 are valid species whilst 107 are now placed in synonymy. In this review, 106 lectotypes are designated. Three names are raised from synonymy and are given new status as valid species: *Mydaea detrita* (Zetterstedt, 1845), *Lophosceles impar* (Zetterstedt, 1846), and *Helina lapponica* (Ringdahl, 1918). Fourteen new synonyms are proposed: *Anthomyza cingulipes* Zetterstedt, 1849 with *Anthomyza* (now *Coenosia*) *bilineella* Zetterstedt, 1838, *Anthomyza nigrifemur* Zetterstedt, 1845 with *Palusia* (now *Coenosia*) *testacea* Robineau-Desvoidy, 1830, *Anthomyza cineraria* Zetterstedt, 1845 with *Anthomyza* (now *Helina*) *fratercula* Zetterstedt, 1845, *Anthomyza veterana* Zetterstedt, 1838 with *Anthomyza* (now *Helina*) *longicornis* (Zetterstedt, 1838), *Anthomyza nivalis* Zetterstedt, 1838 with *Aricia* (now *Helina*) *flavisquama* Zetterstedt, 1849, *Aricia duplaris* Zetterstedt, 1845 with *Anthomyia* (now *Helina*) *obscurata* Meigen, 1826, *Lonchaea metallica* Zetterstedt, 1849 with *Anthomyia* (now *Hydrotaea*) *capensis* Wiedemann, 1818, *Anthomyza hians* Zetterstedt, 1846 with *Musca* (now *Lophosceles*) *mutatus* Fallén, 1823, *Anthomyza electa* Zetterstedt, 1860 with *Anthomyza* (now *Mydaea*) *detrita* Zetterstedt, 1845, *Anthomyza humeralis* Zetterstedt, 1845 and *Anthomyza humeralis* Zetterstedt, 1860 with *Mydaea setifemur* Ringdahl, 1924, *Anthomyza vicina* Zetterstedt, 1838 with *Anthomyza* (now *Phaonia*) *consobrina* Zetterstedt, 1838, *Aricia fumipennis* Zetterstedt, 1845 with *Anthomyza* (now *Spilogona*) *arctica* Zetterstedt, 1838, and *Anthomyza hirsutula* Zetterstedt, 1838 with *Anthomyza* (now *Thricops*) *innocua* Zetterstedt, 1838. Following Reversal of Precedence, *Helina flavisquama* is preserved as a *nomen protectum* and *Helina nivalis* rejected as a *nomen oblitum*.

Key words: Europe, nomenclature, holotypes, lectotype designations, new synonymies