

The type species of *Heteromyiella* Hendel, 1910 (Diptera: Heleomyzidae)

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Abstract. *Heteromyiella* Hendel, 1910 was proposed as a ‘new name’ for *Heteromyza* “of authors.” Hendel did not designate a type species and did not explicitly include any species in the genus, only referencing Becker’s (1905) concept of *Heteromyza* in the *Katalog der paläarktischen Dipteren*. In this note, I demonstrate that the type species of *Heteromyiella* is *Heteromyza atricornis* Meigen, 1830, by subsequent monotypy.

THE RISE AND FALL OF *HETEROMYIELLA*

Fallén (1820) described *Heteromyza* with two originally included nominal species: *Heteromyza oculata* Fallén, 1820 and *Heteromyza buccata* Fallén, 1820 (the latter now included in *Heterocheila* Rondani, 1857 (Diptera: Heterocheilidae) (Mathis 2011)). In the *Katalog der paläarktischen Dipteren*, Becker (1905) placed *Heteromyza oculata* as the only species in the genus *Thelida* Robineau-Desvoidy, 1830, with *Thelida filiformis* Robineau-Desvoidy, 1830, the type species of *Thelida*, listed as a synonym. He placed *H. buccata* in *Oedoparea* Loew, 1862, and included eight other species in *Heteromyza*, none of which were originally included in the genus by Fallén (1820).

Hendel (1910) published a list of nomenclatural corrections to Becker’s (1905) catalog, in which he proposed the name *Heteromyiella* for *Heteromyza sensu* Becker (1905). His proposal was very brief, stating only, “**Heteromyiella** nom. nov. für *Heteromyza*-Arten der Autoren, von denen Fallén keine einzige kannte.” [*Heteromyiella* nom. nov. for *Heteromyza* species of authors, none of which Fallén knew.] He did not designate a type from among the species included in “*Heteromyza* of authors,” nor did he list any species he considered to belong to *Heteromyiella*. Presumably, he believed his concept of *Heteromyiella* would be obvious by reference to Becker (1905).

Czerny (1924) later synonymized *Thelida filiformis* not with *H. oculata*, but with *Heteromyza atricornis* Meigen, 1830. Accordingly, Czerny (1924) used the name *Heteromyza* for the genus containing *H. oculata* and used *Thelida* for a second genus containing *H. atricornis*, with *Heteromyiella* listed as a synonym of *Thelida*. Subsequent workers have followed Czerny in treating *T. filiformis* as a junior synonym of *H. atricornis* and *Heteromyiella* as a junior synonym of *Thelida* (Gill, 1962) or *Heteromyza sensu lato* (including *Thelida*) (Collin, 1943; Gorodkov 1984). However, a type species for *Heteromyiella* has not been recognized (Gorodkov 1984). Determination of the type of *Heteromyiella* is important for any future revisions to the taxonomy of *Heteromyza*.

DETERMINATION OF THE TYPE SPECIES

In this section, I reference a number of Articles of the *International Code of Zoological Nomenclature* (ICZN 1999), using the form “Code Art. X.X” for brevity.

In general, only originally included nominal species are eligible to be the type species of a genus (Code Art. 67.2). However, when establishing *Heteromyiella*, Hendel (1910) did not explicitly name any nominal species. His concept of the genus was based on *Heteromyza sensu* Becker (1905), but Code Art. 67.2.3 is explicit that “[m]ere reference in the original publication to a publication containing the name of a species” does not make the species count as originally included. Therefore, *Heteromyiella* has no originally included nominal species. In such cases, Code Art. 67.2.2 applies, which states: “If a nominal genus or subgenus was established before 1931 (in the case of an ichnotaxon, before 2000 [Art. 66.1]) without included nominal species [Art. 12], the nominal species that were first subsequently and expressly included in it are deemed to be the only originally included nominal species.”

In my research, the earliest subsequent usage of *Heteromyiella* that I have found was by Bezzi (1911), who mentioned only a single member of this genus: *Heteromyiella atricornis* (Meigen, 1830). Therefore, *Heteromyza atricornis* Meigen, 1830 is the type species of *Heteromyiella*, by subsequent monotypy (Code Art. 69.3). With this type fixation, there is no change to the nomenclature of the genus *Heteromyiella*, which remains a subjective junior synonym of *Heteromyza* (Gorodkov 1984).

Order DIPTERA Linnaeus, 1758
Family HELEOMYZIDAE Westwood, 1840
Genus *Heteromyza* Fallén, 1820

Heteromyza Fallén, 1820: 1. Type species: *Heteromyza oculata* Fallén, 1820, by subsequent designation (Westwood 1840: 145).

Thelida Robineau-Desvoidy, 1830: 655. Type species: *Thelida filiformis* Robineau-Desvoidy, 1830 (= *Heteromyza atricornis* Meigen, 1830 *teste* Gorodkov 1984: 42), by original monotypy.

Lentiphora Robineau-Desvoidy, 1830: 656. Type species: *Lentiphora flaveola* Robineau-Desvoidy, 1830 (= *Heteromyza oculata* Fallén, 1820 *teste* Gorodkov 1984: 43), by original monotypy.

Heteromyiella Hendel, 1910: 309. Type species: *Heteromyza atricornis* Meigen, 1830, by subsequent monotypy (Bezzi 1911: 72).

ACKNOWLEDGMENTS

I thank Neal Evenhuis, Thomas Pape, and Jere Kahanpää for reviewing and editing the manuscript, and I am grateful to the Biodiversity Heritage Library for facilitating free access to historical taxonomic and biodiversity publications.

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