

OPINION 1747

***Eristalis* Latreille, 1804, *Helophilus* Fabricius, 1805, *Xylota* Meigen, 1822 and *Eumerus* Meigen, 1822 (Insecta; Diptera): conserved**

Ruling

- (1) Under the plenary powers:
 - (a) the following generic names are hereby suppressed for the purposes of the Principle of Priority but not for those of the Principle of Homonymy:
 - (i) *Elophilus* Meigen, 1803;
 - (ii) *Eumeros* Meigen, 1803;
 - (iii) *Heliophilus* Meigen, 1803;
 - (b) the generic name *Eumerus* Meigen, 1804, and all uses of the name *Eumerus* prior to the publication of *Eumerus* Meigen, 1822, are hereby suppressed for the purposes of both the Principle of Priority and the Principle of Homonymy;
 - (c) all fixations of type species for the nominal genus *Helophilus* Fabricius, 1805 prior to the designation by Curtis (1832) of *Musca pendula* Linnaeus, 1758 are hereby set aside.
- (2) The following names are hereby placed on the Official List of Generic Names in Zoology:
 - (a) *Eristalis* Latreille, 1804 (gender: masculine), type species by subsequent designation by Curtis (1832) *Musca tenax* Linnaeus, 1758;
 - (b) *Helophilus* Fabricius, 1805 (gender: neuter), type species by subsequent designation by Curtis (1832) *Musca pendula* Linnaeus, 1758, as ruled in (1)(c) above;
 - (c) *Xylota* Meigen, 1822 (gender: feminine), type species by monotypy of the replaced nominal genus *Heliophilus* Meigen, 1803, *Musca sylvarum* Linnaeus, 1758;
 - (d) *Eumerus* Meigen, 1822 (gender: masculine), type species by subsequent designation by Curtis (1839) *Syrphus tricolor* Fabricius, 1798.
- (3) The following names are hereby placed on the Official List of Specific Names in Zoology:
 - (a) *tenax* Linnaeus, 1758, as published in the binomen *Musca tenax* (specific name of the type species of *Eristalis* Latreille, 1804);
 - (b) *pendula* Linnaeus, 1758, as published in the binomen *Musca pendula* (specific name of the type species of *Helophilus* Fabricius, 1805);
 - (c) *sylvarum* Linnaeus, 1758, as published in the binomen *Musca sylvarum* (specific name of the type species of *Xylota* Meigen, 1822);
 - (d) *tricolor* Fabricius, 1798, as published in the binomen *Syrphus tricolor* (specific name of the type species of *Eumerus* Meigen, 1822).
- (4) The following names are hereby placed on the Official Index of Rejected and Invalid Generic Names in Zoology:
 - (a) *Elophilus* Meigen, 1803, as suppressed in (1)(a)(i) above;
 - (b) *Eumeros* Meigen, 1803, as suppressed in (1)(a)(ii) above;
 - (c) *Heliophilus* Meigen, 1803, as suppressed in (1)(a)(iii) above;
 - (d) *Eumerus* Meigen, 1804, as suppressed in (1)(b) above.

History of Case 2749

An application for the conservation of *Eristalis* Latreille, 1804, *Helophilus* Fabricius, 1805, *Xylota* Meigen, 1822 and *Eumerus* Meigen, 1822 was received from Dr Tadeusz Zatwarnicki (Agricultural University, Wroclaw, Poland) on 15 November 1989. After correspondence the case was published in BZN 48: 308–311 (December 1991). Notice of the case was sent to appropriate journals.

It was noted on the voting paper that the application had the support of Dr Hans Silfverberg (Universitetets Zoologiska Museum, Helsingfors, Finland), and that more than 40 of the additional references held by the Commission Secretariat demonstrating usage of the four generic names (para. 6 of the application) were published in the last 50 years.

Decision of the Commission

On 1 March 1993 the members of the Commission were invited to vote on the proposals published in BZN 48: 310. At the close of the voting period on 1 June 1993 the votes were as follows:

Affirmative votes — 24: Bayer, Bock, Bouchet, Cocks, Cogger, Corliss, Dupuis, Hahn, Halvorsen, Heppell, Kabata, Kraus, Lehtinen, Macpherson, Mahnert, Martins de Souza, Minelli, Nielsen, Nye, Savage, Schuster, Štys, Trjapitzin, Willink
Negative votes — 2: Holthuis and Thompson.

No votes were received from Starobogatov and Uéno.

Ride was on leave of absence.

Holthuis commented that in his view *Helophilus* was not available from Fabricius (1805). The latter had adopted the spelling without explaining the change from *Elophilus* Meigen, 1803 and the change was therefore not a 'demonstrably intentional' emendation (Article 33b(i) of the Code). (Editorial note. The name *Helophilus* was cited by Fabricius (1805) in the synonymy of six species of *Eristalis* Latreille, 1804 and in para. 3 of the application it was taken as available from Fabricius under Article 11e). Thompson preferred to adopt *Helophilus* from Meigen (1822).

Original references

The following are the original references to the names placed on Official Lists and an Official Index by the ruling given in the present Opinion:

Elophilus Meigen, 1803, *Magazin für Insektenkunde* (Illiger), 2: 274.

Eristalis Latreille, 1804, in: *Nouveau Dictionnaire d'histoire naturelle* ..., Ed. 1, vol. 24, p. 194.

Eumeros Meigen, 1803, *Magazin für Insektenkunde* (Illiger), 2: 273.

Eumerus Meigen, 1804, *Klassifikation und Beschreibung der europäischen zweiflügeligen Insekten* (Diptera Linn.), vol. 1, part 1, p. xx.

Eumerus Meigen, 1822, *Systematische Beschreibung der bekannten europäischen zweiflügeligen Insekten*, vol. 3, p. 202.

Helophilus Meigen, 1803, *Magazin für Insektenkunde* (Illiger), 2: 273.

Helophilus Fabricius, 1805, *Systema Antliatorum* ..., p. 233.

pendula, *Musca*, Linnaeus, 1758, *Systema Naturae*, Ed. 10, vol. 1, p. 591.

sylvarum, *Musca*, Linnaeus, 1758, *Systema Naturae*, Ed. 10, vol. 1, p. 592.

tenax, *Musca*, Linnaeus, 1758, *Systema Naturae*, Ed. 10, vol. 1, p. 591.

tricolor, *Syrphus*, Fabricius, 1798, *Supplementum entomologiae systematicae*, p. 563.

Xylota Meigen, 1822, *Systematische Beschreibung der bekannten europäischen zweiflügeligen Insekten*, vol. 3, p. 211.

The following is the reference for the designation of *Musca pendula* Linnaeus, 1758 as the type species of the nominal genus *Helophilus* Fabricius, 1805, and for the designation of *Musca*

tenax Linnaeus, 1758 as the type species of the nominal genus *Eristalis* Latreille, 1804:

Curtis, J. 1832. *British entomology; being illustrations and descriptions of the genera of insects found in Great Britain and Ireland ...*, vol. 9, pl. 429 (text), pl. 432 (text) (respectively).

The following is the reference for the designation of *Syrphus tricolor* Fabricius, 1798 as the type species of the nominal genus *Eumerus* Meigen, 1822:

Curtis, J. 1839. *British entomology; being illustrations and descriptions of the genera of insects found in Great Britain and Ireland ...*, vol. 16, pl. 749 (text).



International Commission on Zoological Nomenclature. 1993. "Opinion 1747 Eristalis Latreille, 1804, Helophilus Fabricius, 1805, Xylota Meigen, 1822 and Eumerus Meigen, 1822 (Insecta, Diptera): conserved." *The Bulletin of zoological nomenclature* 50, 256–258.

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