

OPINION 1982 (Case 3090)

Musca arcuata* Linnaeus, 1758 and *M. festiva* Linnaeus, 1758 (currently *Chrysotoxum arcuatum* and *C. festivum*) and *M. citrofasciata* De Geer, 1776 (currently *Xanthogramma citrofasciatum*) (Insecta, Diptera): specific names conserved by the designation of neotypes for *M. arcuata* and *M. festiva

Keywords. Nomenclature; taxonomy; Diptera; SYRPHIDAE; *Chrysotoxum*; *Xanthogramma*; *Chrysotoxum arcuatum*; *Chrysotoxum fasciatum*; *Chrysotoxum festivum*; *Xanthogramma festivum*; *Xanthogramma citrofasciatum*; hoverflies.

Ruling

- (1) Under the plenary power all previous fixations of type specimens are hereby set aside for the following nominal species:
 - (a) *arcuata* Linnaeus, 1758, as published in the binomen *Musca arcuata*, and the male specimen in The Natural History Museum, London, marked 'NEOTYPE, det. P.J. Chandler, 31.3.2000', collected from Voss, S.W. Norway, by A.E. Stubbs in 1977, is designated as the neotype;
 - (b) *festiva* Linnaeus, 1758, as published in the binomen *Musca festiva*, and the male specimen BM 1937-539 in The Natural History Museum, London, marked 'NEOTYPE, det. P.J. Chandler, 31.3.2000', collected from Schneverdingen, Lüneberg Heath, N. Germany, by T.H. Rowsell and B.J. Clifton in 1937, is designated as the neotype.
- (2) The following names are hereby placed on the Official List of Specific Names in Zoology:
 - (a) *arcuata* Linnaeus, 1758, as published in the binomen *Musca arcuata* and as defined by the neotype designated in (1)(a) above;
 - (b) *festiva* Linnaeus, 1758, as published in the binomen *Musca festiva* and as defined by the neotype designated in (1)(b) above;
 - (c) *citrofasciata* De Geer, 1776, as published in the binomen *Musca citrofasciata*.

History of Case 3090

An application for the conservation of the specific names of *Musca arcuata* Linnaeus, 1758, *M. festiva* Linnaeus, 1758 and *M. citrofasciata* De Geer, 1776 by the designation of neotypes for *M. arcuata* and *M. festiva* was received from Dr David A. Iloff (*Woodmancote, Cheltenham, Gloucestershire, U.K.*) and Dr Peter J. Chandler (*Burnham, Slough, Berkshire, U.K.*) on 8 April 1998. After correspondence the case was published in BZN 57: 87-93 (June 2000). Notice of the case was sent to appropriate journals.

Decision of the Commission

On 1 March 2001 the members of the Commission were invited to vote on the proposals published in BZN 57: 92. At the close of the voting period on 1 June 2001 the votes were as follows:

Affirmative votes — 20: Alonso-Zarazaga, Bock, Brothers, Calder, Cogger, Eschmeyer, Kerzhner, Kraus, Lamas, Macpherson, Mahnert, Martins de Souza, Mawatari, Minelli, Ng, Nielsen, Papp, Patterson, Rosenberg, Štys

Negative votes — none.

No votes were received from Bouchet, Dupuis and Song.

Ng commented: 'I am familiar with Linnaeus's material for some other arthropods and am aware that any set of specimens which does not carry data that they date from his 1758 work must be used with doubt and should not be regarded as types (para. 7 of the application). I sympathize with the applicants' problems and support their proposal to establish neotypes for *Musca arcuata* and *M. festiva* to maintain usage in these nominal taxa and in *M. citrofasciata*'.

Original references

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

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

citrofasciata, *Musca*, De Geer, 1776, *Mémoires pour servir à l'histoire des insectes*, vol. 6, p. 118.

festiva, *Musca*, Linnaeus, 1758, *Systema Naturae*, Ed. 10, vol. 1, p. 593.