

## OPINION 1543

### *Dytiscus cinereus* Linnaeus, 1758 (currently *Graphoderus cinereus*; Insecta, Coleoptera): neotype replaced

#### Ruling

(1) Under the plenary powers:

- (a) all previous designations of neotype for the nominal species *Dytiscus cinereus* Linnaeus, 1758 are hereby set aside;
- (b) the specimen referred to in BZN 44: 176, para. 6, and deposited in the Lund Museum is designated as the neotype of *Dytiscus cinereus* Linnaeus, 1758, and the entry in the Official List of Specific Names in Zoology is amended accordingly.

#### History of Case 2602

An application for the designation of a replacement neotype for *Dytiscus cinereus* Linnaeus, 1758 was received from Drs A. N. Nilsson (*University of Umeå, Sweden*) & G. N. Foster (*Prestwick, Scotland, U.K.*) on 16 March 1987. After correspondence the case was published in BZN 44: 176–177 (September 1987). Notice of the case was sent to appropriate journals. No comments were received. It was noted on the voting papers that, were the proposals to be approved, the entry on the Official List for *Dytiscus cinereus* would be amended to record the new neotype designation (and the previous neotype in the British Museum (Natural History) would need to have its label amended).

#### Decision of the Commission

On 1 December 1988 the members of the Commission were invited to vote on the proposals published in BZN 44: 176–177. At the close of the voting period on 1 March 1989 the votes were as follows:

Affirmative votes — 22: Bayer, Bock, Cocks, Cogger, Corliss, Dupuis, Hahn, Heppell, Holthuis, Kabata, Kraus, Martins de Souza (in part), Melville, Mroczkowski, Nielsen, Ride, Savage, Schuster, Starobogatov, Trjapitzin, Uéno, Willink

Negative votes — 1: Thompson.

No votes were returned by Gruchy, Halvorsen and Lehtinen.

Thompson considered that if Angus (BZN 44: 176) could identify the true *cinereus* without reference to the neotype, then the original neotype was not needed nor likewise its replacement. Martins de Souza commented that he considered it necessary to set aside the previous designation of a neotype, but he was not convinced of the necessity for the replacement neotype. However, J. Balfour-Brown in 1960 (BZN 17: 248–249) pointed out that a neotype was necessary for *D. cinereus*, and this argument was accepted by the Commission in Opinion 618. The specimen selected for this purpose was substituted by another before the Commission had voted (see BZN 18: 366–367), and this substitute specimen is unfortunately an example of *D. bilineatus* De Geer, 1774 (see BZN 44: 176).

#### Original reference

The following is the original reference to the name on an Official List, entry amended by the ruling given in the present Opinion:

*cinereus*, *Dytiscus*, Linnaeus, 1758, *Systema Naturae*, Ed. 10, vol. 1, p. 412.



International Commission on Zoological Nomenclature. 1989. "Opinion 1543."  
*The Bulletin of zoological nomenclature* 46, 145–145.

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