

OPINION 2034 (Case 3087)

***Hydrobia* Hartmann, 1821: conserved by replacement of the lectotype of *Cyclostoma acutum* Draparnaud, 1805 (currently *Hydrobia acuta*; Mollusca, Gastropoda) with a neotype; *Ventrosia* Radoman, 1977: *Turbo ventrosus* Montagu, 1803 designated as the type species; and HYDROBIINA Mulsant, 1844 (Coleoptera): spelling emended to HYDROBIUSINA, so removing the homonymy with HYDROBIIDAE Troschel, 1857 (Gastropoda)**

Abstract. The Commission has ruled that: (1) usage of the name *Hydrobia* Hartmann, 1821 for a genus of brackish-water prosobranch gastropods is conserved by replacement of the lectotype of its type species, *Cyclostoma acutum* Draparnaud, 1805, by a neotype; (2) *Turbo ventrosus* Montagu, 1803 is designated the type species of the nominal genus *Ventrosia* Radoman, 1977 and the lectotype designation for *T. ventrosus* by Bank, Butot & Gittenberger (1979) is validated; and (3) the homonymy between the family-group names HYDROBIIDAE Troschel, 1857 (Gastropoda) and HYDROBIINA Mulsant, 1844 (Coleoptera) is removed by emending the stem of the generic name *Hydrobius* Leach, 1815 (Coleoptera) to HYDROBIUS-, leaving the gastropod name based on *Hydrobia* unchanged.

Keywords. Nomenclature; taxonomy; Gastropoda; Coleoptera; *Hydrobia*; *Hydrobius*; *Ventrosia*; *Hydrobia acuta*; *Hydrobia ventrosa*; *Ventrosia ventrosa*; HYDROBIIDAE; HYDROPHILIDAE; HYDROBIUSINA.

Ruling

- (1) Under the plenary power it is ruled that:
 - (a) all type fixations for the nominal species *Cyclostoma acutum* Draparnaud, 1805 are hereby set aside and the specimen no. 90616 in the Naturhistorisches Museum in Vienna is designated as neotype;
 - (b) all type fixations for the nominal species *Turbo ventrosus* Montagu, 1803 prior to the lectotype designation by Bank, Butot & Gittenberger (1979) are hereby set aside;
 - (c) all type fixations for the nominal genus *Ventrosia* Radoman, 1977 are hereby set aside and *Turbo ventrosus* Montagu, 1803 is hereby designated as the type species;
 - (d) for the purposes of Article 29.1 of the Code the stem of the generic name *Hydrobius* Leach, 1815 is HYDROBIUS- (Coleoptera).
- (2) The following names are hereby placed on the Official List of Generic Names in Zoology:
 - (a) *Hydrobia* Hartmann, 1821 (gender: feminine), type species by subsequent designation by Gray (1847) *Cyclostoma acutum* Draparnaud, 1805;
 - (b) *Ventrosia* Radoman, 1977 (gender: feminine), type species by designation under the plenary power in (1)(c) above *Turbo ventrosus* Montagu, 1803.

- (3) The following names are hereby placed on the Official List of Specific Names in Zoology:
- (a) *acutum* Draparnaud, 1805, as published in the binomen *Cyclostoma acutum* and as defined by the neotype designated in (1)(a) above (specific name of the type species of *Hydrobia* Hartmann, 1821);
 - (b) *ventrosus* Montagu, 1803, as published in the binomen *Turbo ventrosus* and as defined by the lectotype designated by Bank, Butot & Gittenberger (1979) (specific name of the type species of *Ventrosia* Radoman, 1977).
- (4) The following names are hereby placed on the Official List of Family-Group Names in Zoology:
- (a) HYDROBIUSINA Mulsant, 1844, type genus *Hydrobius* Leach, 1815 (Coleoptera);
 - (b) HYDROBIIDAE Troschel, 1857, type genus *Hydrobia* Hartmann, 1821 (Gastropoda).
- (5) The name HYDROBIINA Mulsant, 1844 (spelling emended to HYDROBIUSINA by the ruling in (1)(d) above) is hereby placed on the Official Index of Rejected and Invalid Family-Group Names in Zoology (Coleoptera).

History of Case 3087

An application to stabilise the usage of the name *Hydrobia* Hartmann, 1821 for a genus of brackish-water prosobranch gastropods by the designation of a neotype for the type species, *Cyclostoma acutum* Draparnaud, 1805, and designate *Turbo ventrosus* Montagu, 1803 as the type species of the nominal genus *Ventrosia* Radoman, 1977, and remove the homonymy between the family-group names HYDROBIIDAE Troschel, 1857 (Gastropoda) and HYDROBIINA Mulsant, 1844 (Coleoptera) by emending the stem of the generic name *Hydrobius* Leach, 1815 (Coleoptera) to HYDROBIUS-, was received from F. Giusti, G. Manganelli & M. Bodon (*Dipartimento di Biologia Evolutiva, Università di Siena, Siena, Italy*) on 9 October 1995. After correspondence the case was published in BZN 55: 139–145 (September 1998). Notice of the case was sent to appropriate journals.

A comment on the status of the type material was published in BZN 56: 56–57. Comments opposing the application were published in BZN 56: 57–62, 143–144 and BZN 58: 140–141. Comments in support of the application were published in BZN 56: 62–63, 144–148, 187–190, 268–270; BZN 58: 56–58, 301–303 and BZN 59: 128–130. An additional proposal was published in BZN 58: 58.

Decision of the Commission

On 1 December 2002 the members of the Commission were invited to vote on the proposals as separately indicated below. At the close of the voting period on 1 March 2003 the votes were as follows:

Vote 1: the proposals set out in BZN 55: 143 para. 12(1)(a) and (3)(a): 17 Commissioners voted FOR the proposals, 4 Commissioners (Alonso-Zarazaga, Bock, Macpherson and van Tol) voted AGAINST, 3 Commissioners abstained, no vote was received from Mahnert, Ng was on leave of absence.

Vote 2: the proposals set out in BZN 55: 143 para. 12(2)(a) and (4)(b): 19 Commissioners voted FOR the proposals, 2 Commissioners (Alonso-Zarazaga and

Bock) voted AGAINST, 3 Commissioners abstained, no vote was received from Mahnert, Ng was on leave of absence.

Vote 3: the proposals set out in BZN 55: 143 para. 12(1)(b), (2)(b) and (3)(b): 19 Commissioners voted FOR the proposals, 2 Commissioners (Alonso-Zarazaga and Bock) voted AGAINST, 3 Commissioners abstained, no vote was received from Mahnert, Ng was on leave of absence.

Vote 4: the proposals set out in BZN 55: 143 para. 12(1)(c), (4)(a) and (5): 20 Commissioners voted FOR the proposals, 2 Commissioners (Alonso-Zarazaga and Bock) voted AGAINST, 2 Commissioners abstained, no vote was received from Mahnert, Ng was on leave of absence.

Vote 5: the additional proposal set out in BZN 58: 58: 18 Commissioners voted FOR the proposals, 3 Commissioners (Alonso-Zarazaga, Bock and Patterson) voted AGAINST, 3 Commissioners abstained, no vote was received from Mahnert, Ng was on leave of absence.

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:

acutum, *Cyclostoma*, Draparnaud, 1805, *Histoire naturelle des mollusques terrestres et fluviatiles de la France*, p. 40.

Hydrobia Hartmann, 1821, *Neue Alpina, eine Schrift der Schweizerischen Naturgeschichte, Alpen- und Landwirthschaft Gewiedmet, Winterthur*, 1: 258.

HYDROBIIDAE Troschel, 1857, *Das Gebiss der Schnecken zur Begründung einer natürlichen Classification*, vol. 1, part 2, p. 106.

HYDROBIINA Mulsant, 1844, *Histoire naturelle des coléoptères de France*, vol. 3, p. 116.

HYDROBIUSINA Mulsant, 1844, *Histoire naturelle des coléoptères de France*, vol. 3, p. 116.

Ventrosia Radoman, 1977, *Serbian Academy of Sciences and Arts Monographs Department of Sciences*, 57: 208.

ventrosus, *Turbo*, Montagu, 1803, *Testacea Britannica or natural history of British shells . . .* vol. 2, p. 317.

The following is the reference for the designation of *Cyclostoma acutum* Draparnaud, 1805 as the type species of *Hydrobia* Hartmann, 1821:

Gray, J.E. 1847. *Proceedings of the Zoological Society of London*, 15: 151.