

## OPINION 1159

*LITTORINA* (MOLLUSCA, GASTROPODA): AUTHOR AND  
DATE OF THIS GENERIC NAME, AND TYPE SPECIES  
OF THIS NOMINAL GENUS DETERMINED BY  
USE OF THE PLENARY POWERS

RULING – (1) Under the plenary powers it is hereby ruled that:

- (a) the generic name *Littorina* was made available by Férussac, 1822;
- (b) all designations of type species for the nominal genus *Littorina* Férussac, 1822, prior to the designation of *Turbo littoreus*, Linnaeus, 1758, by Anton, (1838) are hereby set aside.

(2) The generic name *Littorina* Férussac, 1822 (gender: feminine), type species, by subsequent designation by Anton, (1838), *Turbo littoreus* Linnaeus, 1758, is hereby placed on the Official List of Generic Names in Zoology with the Name Number 2106.

(3) The specific name *littoreus* Linnaeus, 1758, as published in the binomen *Turbo littoreus* (specific name of type species of *Littorina* Férussac, 1822) is hereby placed on the Official List of Specific Names in Zoology with the Name Number 2714.

## HISTORY OF THE CASE Z.N.(S.)1901

An application for the use of the plenary powers to designate a type species for *Littorina* Férussac, 1822, was first received from Dr D. Kadolsky (*Geological and Palaeontological Institute, University of Bonn, BRD*) on 2 September 1969. After some correspondence a text was agreed on 18 November 1969. It was sent to the printer on 18 December 1969 and published on 5 June 1970 in *Bull. zool. Nom.* vol. 27, pp. 51–54. No use of the plenary powers was requested.

The application was supported by Dr J. Rosewater (*U.S. National Museum*) but was criticised by Dr Holthuis and Mr Heppell. Mr Heppell's comment, which was published on 3 December 1970 in *Bull. zool. Nom.* vol. 30, pp. 131–132, contained proposals for the use of the plenary powers. Public notice of the possible use of those powers in the case was accordingly given in the same part of the *Bulletin* as well as to the statutory serials and to two malacological serials.

Dr Holthuis's comment, and further criticism by Dr W.O.

Cernohorsky, was published in *Bull. zool. Nom.* vol. 27, p. 210. A further comment by Mr Heppell was published in vol. 28, p. 76.

## DECISION OF THE COMMISSION

On 20 August 1979 the members of the Commission were invited to vote under the Three-Month Rule on Voting Paper (1979)13 on the proposals set out in the following note that accompanied the voting paper:

### AUTHORSHIP AND DATE OF THE GENERIC NAME *LITTORINA* (GASTROPODA) AND FIXATION OF THE TYPE SPECIES OF THAT NOMINAL GENUS NOTE TO ACCOMPANY V.P.(79)13

In his original application (*Bull. zool. Nom.* vol. 27: 51-54, June 1970), Dr Kadolsky asked that the generic name *Littorina* Férussac, 1822 be placed on the Official List with *Turbo littoreus* Linnaeus, 1758 as its type species by designation by Blainville, 1828. Subsequent comments by malacologists support these aims but dispute Dr Kadolsky's proposed means. Are the plenary powers to be used or not, and if they are, to what extent? Dr Rosewater (*U.S. National Museum*) alone agreed with Dr Kadolsky that his aims could be achieved without the use of the plenary powers.

Mr Heppell (vol. 27: 131-132) said: 'Férussac certainly leaves us in no doubt as to what he understood by his new subgenus' [of *Turbo* Linnaeus, 1758] but questioned whether it satisfied the criteria of availability. In my view, it does not: on: xi it appears in the French vernacular 'littorine' not directly accompanied by a description, definition, or indication; on: xxiv it appears as a bare name, *Littorina*. Nevertheless, there is enough information associated with the name in discussions of other names for the Commission to rule it available under the plenary powers. There are, however, no species distinctly referred to this genus in this work and its type species under the Code is *Littorina basterotii* Payraudeau, 1826, by subsequent monotypy, generally considered a junior synonym of *Turbo neritoides* Linnaeus, 1758. Hence, *T. littoreus* Linnaeus, 1758, can only be fixed as type species of *Littorina* by the use of the plenary powers.

These two conclusions are implicitly accepted by Dr W.O. Cernohorsky and Dr L.B. Holthuis (vol. 27: 210).

In a further comment (vol. 28: 76) Mr Heppell noted that *Turbo littoreus* Linnaeus, 1758, had been designated as type

species of *Littorina* not by Blainville, 1828 (who spoke only of 'Littorine') but by Anton, 1839, *Verzeichniss der Conchylien* [the date of that work has been shown to be (1838) by Kadolsky, 1971, *Arch. Molluskenk.*, vol. 101: 193]. Mr Heppell has asked that the last sentence of this comment be replaced by the following: 'The availability of *Neritoides* Meuschen has been demonstrated by Kadolsky, *Arch. Molluskenk.* vol. 101: 192-193. *Neritrema* Récluz, 1869 (type species, by subsequent designation by Dall, 1909, *Turbo obtusatus* L., 1758) may be used for *Neritoides* Brown.' This, however, bears only on a collateral point, not on the central issue.

A correct presentation of the requests put forward by Dr Kadolsky as criticised by Mr Heppell is, therefore, that the Commission should:

- (1) use its plenary powers
  - (a) to rule that the generic name *Littorina* was made available by Férussac, 1822;
  - (b) to set aside all designations of type species for *Littorina* Férussac, 1822, prior to the designation of *Turbo littoreus* Linnaeus, 1758 by Anton, (1838);
- (2) place the generic name *Littorina* Férussac, 1822 (gender: feminine), type species, by subsequent designation by Anton, (1838), *Turbo littoreus* Linnaeus, 1758, on the Official List of Generic Names in Zoology;
- (3) place the specific name *littoreus* Linnaeus, 1758, as published in the binomen *Turbo littoreus* (specific name of type species of *Littorina* Férussac, 1822) on the Official List of Specific Names in Zoology.

At the close of the voting period on 20 November 1979 the state of the voting on V.P.(79)13 was as follows:

Affirmative Votes — eighteen (18) received in the following order: Melville, Holthuis, Vokes, Alvarado, Mroczkowski, Willink, Trjapitzin, Tortonese, Sabrosky, Bayer, Hahn, Welch, Brinck, Bernardi, Habe, Corliss, Nye, Heppell

Negative votes — none (0).

Dupuis abstained from voting. Late affirmative votes were returned by Kraus and Halvorsen and a late negative vote by Starobogatov. Ride was on leave of absence. No votes were returned by Binder and Cogger.

The following comments were sent in by members of the Commission with their voting papers:

*Dupuis*: 'Je vote contre le "wording" proposé. D'abord parce qu'il y a un lapsus (*Paludina* au lieu de *Littorina*) [ a number of members drew attention to this error in the note accompanying

the voting paper; it has been corrected in the Ruling. R.V.M.]. Ensuite, si l'on admet que *Littorina* est available, c'est bien parce que l'on admet que "littorine" (fr.) = *Littorina* (latin). Pourquoi ne pas admettre dès lors (en vertu des pleins pouvoirs, y compris la faculté de discernement) la désignation par Blainville du type de "littorine" (fr.) comme valable pour *Littorina* (latin)? Toute procédure casuiste pour attribuer à des successeurs les mérites d'un auteur est d'une mesquinerie qui porte le plus grand préjudice à la Commission.'

*Starobogatov* (with late negative vote): 'We must not change the main principles of the Code. In this case it is evident that *Littorina neritoides* and *Algaroda littorea* are in distinct genera.'

### ORIGINAL REFERENCES

The following are the original references for names placed on Official Lists by the ruling given in the present Opinion:

*littoreus*, *Turbo*, Linnaeus, 1758, *Syst. Nat.*, ed. 10, vol. 1, p. 761

*Littorina* Férussac, 1822, *Tabl. syst. anim. moll.*, pp. XI (16.2.

1822), XXIV (13.4.1822) fide Kennard, 1942, *Proc. malac.*

*Soc. London*, vol. 25, pp. 12-17, 105-118.

The following is the original reference to a subsequent designation of type species accepted in the ruling given in the present Opinion: of *Turbo littoreus* Linnaeus, 1758, as type species of *Littorina* Férussac, 1822, by Anton, (1838), *Verzeichniss der Conchylien*, p. 52.

### CERTIFICATE

I hereby certify that the votes cast on V.P.(79)13 were cast as set out above, that the proposal contained in that voting paper has been duly adopted under the plenary powers, and that the decision so taken, being the decision of the International Commission on Zoological Nomenclature, is truly recorded in the present Opinion No. 1159.

R.V. MELVILLE

Secretary

International Commission on Zoological Nomenclature

London

21 January 1980



International Commission on Zoological Nomenclature. 1980. "Opinion 1159."  
*The Bulletin of zoological nomenclature* 37, 103–106.

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