

## OPINION 1965

***Euchilus* Sandberger, 1870 and *Stalioa* Brusina, 1870 (Mollusca, Gastropoda): *Bithinia deschiensiana* Deshayes, 1862 and *Paludina desmarestii* Prévost, 1821 designated as the respective type species, with the conservation of *Bania* Brusina, 1896**

**Keywords.** Nomenclature; taxonomy; Gastropoda; prosobranchs; HYDROBIIDAE; *Euchilus*; *Stalioa*; *Bania*; *Euchilus deschiensianus*; *Stalioa desmarestii*; *Bania prototypica*; Tertiary.

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**Ruling**

- (1) Under the plenary power all previous fixations of type species for the following nominal genera are hereby set aside:
  - (a) *Euchilus* Sandberger, 1870 prior to that by Sandberger (1872) of *Bithinia deschiensiana* Deshayes, 1862;
  - (b) *Stalioa* Brusina, 1870 prior to that by Cossmann (1893) of *Paludina desmarestii* Prévost, 1821.
- (2) The following names are hereby placed on the Official List of Generic Names in Zoology:
  - (a) *Euchilus* Sandberger, 1870 (gender: masculine), type species by subsequent designation by Sandberger (1872) *Bithinia deschiensiana* Deshayes, 1862 by the ruling in (1)(a) above;
  - (b) *Stalioa* Brusina, 1870 (gender: feminine), type species by subsequent designation by Cossmann (1893) *Paludina desmarestii* Prévost, 1821 by the ruling in (1)(b) above;
  - (c) *Bania* Brusina, 1896 (gender: feminine), type species by monotypy *Stalioa prototypica* Brusina, 1872.
- (3) The following names are hereby placed on the Official List of Specific Names in Zoology:
  - (a) *deschiensiana* Deshayes, 1862, as published in the binomen *Bithinia deschiensiana* (specific name of the type species of *Euchilus* Sandberger, 1870);
  - (b) *desmarestii* Prévost, 1821, as published in the binomen *Paludina desmarestii* (specific name of the type species of *Stalioa* Brusina, 1870);
  - (c) *prototypica* Brusina, 1872, as published in the binomen *Stalioa prototypica* (specific name of the type species of *Bania* Brusina, 1896).
- (4) The following names are hereby placed on the Official Index of Rejected and Invalid Names in Zoology:
  - (a) *Stoliva* Fuchs, 1877 (an incorrect subsequent spelling of *Stalioa* Brusina, 1870);
  - (b) *Sandbergeriella* Schlickum, 1968 (a junior objective synonym of *Stalioa* Brusina, 1870);
  - (c) *Stalioia* Fischer, 1885 (an unnecessary replacement name and junior objective synonym of *Stalioa* Brusina, 1870).



### History of Case 3008

An application for the designation of *Bithinia deschiensiana* Deshayes, 1862 and *Paludina desmarestii* Prévost, 1821 as the respective type species of *Euchilus* Sandberger, 1870 and *Stalioa* Brusina, 1870, together with the conservation of *Bania* Brusina, 1896, was received from Dr D. Kadolsky (*Sanderstead, South Croydon, Surrey, U.K.*) on 11 December 1995. After correspondence the case was published in BZN 55: 82–86 (June 1998). Notice of the case was sent to appropriate journals.

A comment from Prof Philippe Bouchet (*Muséum National d'Histoire Naturelle, Paris, France*) was published in BZN 56: 187 (September 1999). Prof Bouchet opposed the designation of *Bithinia deschiensiana* Deshayes, 1862 as the type species of *Euchilus* Sandberger, 1870 and the suppression of the name *Stoliva* Fuchs, 1877, a doubtful senior subjective synonym of *Bania* Brusina, 1896 (para. 8 of the application). A reply from the author of the application was published in BZN 56: 266–267 (December 1999).

The application was offered for voting in three parts. Vote 1 related to the conservation of *Euchilus* Sandberger, 1870 and placement of the name, and the name of its type species, on Official Lists (proposals (1)(a)(i), (2)(a) and (3)(a) on BZN 55: 84). Vote 2 related to the conservation of *Stalioa* Brusina, 1870 and placement of the name, and the name of its type species, on Official Lists, together with placement of the junior objective synonyms *Sandbergeriella* Schlickum, 1968 and *Stalioa* Fischer, 1885 on the Official Index (proposals (1)(a)(ii), (2)(b), (3)(b), (4)(b) and (4)(c) on BZN 55: 84–85). Vote 3 related to the conservation of *Bania* Brusina, 1896 and placement of the name, and the name of its type species, on Official Lists, together with suppression of the name *Stoliva* Fuchs, 1877 (proposals (1)(b), (2)(c), (3)(c) and (4)(a) on BZN 55: 85).

### Decision of the Commission

On 1 September 2000 the members of the Commission were invited to vote on the proposals published in BZN 55: 84–85. At the close of the voting period on 1 December 2000 the votes were as follows:

Vote 1. Affirmative votes — 13: Brothers, Cogger, Kerzhner, Kraus, Lamas, Macpherson, Mahnert, Martins de Souza, Mawatari, Nielsen, Ng, Papp, Štys

Negative votes — 5: Alonso-Zarazaga, Bock, Bouchet, Calder and Rosenberg.

Vote 2. Affirmative votes — 14: Alonso-Zarazaga, Brothers, Cogger, Kerzhner, Kraus, Lamas, Macpherson, Mahnert, Martins de Souza, Mawatari, Ng, Papp, Rosenberg, Štys

Negative votes — 4: Bock, Bouchet, Calder and Nielsen.

Vote 3. Affirmative votes — 11: Brothers, Cogger, Kerzhner, Kraus, Lamas, Macpherson, Mahnert, Martins de Souza, Mawatari, Ng, Papp

Negative votes — 7: Alonso-Zarazaga, Bock, Bouchet, Calder, Nielsen, Rosenberg and Štys.

Patterson and Song abstained.

No votes were received from Dupuis, Eschmeyer and Ride.

Minelli was on leave of absence.



Calder commented: 'Maintaining the type species fixations that are valid under the Code of both *Euchilus* Sandberger, 1870 and *Stalioa* Brusina, 1870 and, if necessary, establishing a new name for the genus-group taxon including *Bithinia deschiensiana* Deshayes, 1862 would not seem overly disturbing to nomenclatural stability in this case'. Kerzhner commented: 'I am against the placement of the name *Stoliva* Fuchs, 1877 on the Official Index, and I also consider the placement of *Sandbergiella* Schlickum, 1968 and *Stalioa* Fischer, 1885 on the Index to be superfluous. There are three other incorrect subsequent spellings of *Stalioa* listed in vol. 4 (1940) of S.A. Neave's *Nomenclator Zoologicus*'. Ng commented: 'I see no reason why the name *Stoliva* should be suppressed. It is clearly an incorrect spelling, as pointed out by Bouchet in his comment, and if treated as such poses no nomenclatural problems'. Rosenberg commented: 'Because of the conflicting taxonomic concepts of *Euchilus*, I think stability of nomenclature would be best served by making the name an objective synonym of *Stalioa*'.

In Vote 3 the proposal to suppress the name *Stoliva* Fuchs, 1877 failed to meet the two-thirds majority necessary for approval, and the name is placed on the Official Index as an incorrect subsequent spelling of *Stalioa* Brusina, 1870. The name *Bania* Brusina, 1896 has been removed from the synonymy of *Stalioa* by the designation of *Paludina desmarestii* Prévot, 1821 as the type species of *Stalioa* in Vote 2; *Bania* is conserved and placed on the Official List with *Stalioa prototypica* Brusina, 1872 as the type species.

## 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:

*Bania* Brusina, 1896, *Glasnika Hrvatskoga Naravoslovnoga Društva*, **9**: 130. [In Serbo-Croatian and French].

*deschiensiana*, *Bithinia*, Deshayes, 1862, in: *Description des animaux sans vertèbres du Bassin de Paris*, part 2, p. 492.

*desmarestii*, *Paludina*, Prévost, 1821, *Journal de Physique, de Chimie, d'Histoire naturelle et des Arts*, **92**: 426.

*Euchilus* Sandberger, 1870, *Die Land- und Süsswasser-Conchylien der Vorwelt*, livraison 2–3, pl. 11, fig. 10.

*prototypica*, *Stalioa*, Brusina, 1872, *Rad Jugoslavenske Akademije Znanosti i Umjetnosti*, **19**: 144.

*Sandbergiella* Schlickum, 1968, *Archiv für Molluskenkunde*, **98**(1–2): 53.

*Stalioa* Brusina, 1870, *Verhandlungen der Kaiserlich-Königlichen Zoologisch-Botanischen Gesellschaft in Wien*, **20**: 937.

*Stalioa* Fischer, 1885, in: *Manuel de conchyliologie et de paléontologie conchyliologique ou histoire naturelle des mollusques vivants et fossiles*, p. 731.

*Stoliva* Fuchs, 1877, *Zeitschrift der Deutschen Geologischen Gesellschaft*, **29**(4): 682.

The following is the reference for the designation of *Bithinia deschiensiana* Deshayes, 1862 as the type species of *Euchilus* Sandberger, 1870:

**Sandberger, C.L.F. von.** 1872. *Die Land- und Süsswasser-Conchylien der Vorwelt*, livraison 6–8, p. 225.

The following is the reference for the designation of *Paludina desmarestii* Prévost, 1821 as the type species of *Stalioa* Brusina, 1870:

**Cossmann, M.** 1893. *Annales de la Société Royale Malacologique de Belgique*, **28**: 15.





International Commission on Zoological Nomenclature. 2001. "Euchilus Sandberger, 1870 And Stalioa Brusina, 1870 (Mollusca, Gastropoda): Bithinia Deschiensiana Deshayes, 1862 And Paludina Desmarestii Prevost, 1821 Designated As The Respective Type Species, With The Conservation Of Bania Brusina, 1896." *The Bulletin of zoological nomenclature* 58, 63–65.

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