OPINION 886

PURPURA BRUGUIÈRE AND MURICANTHUS SWAINSON (GASTROPODA): DESIGNATIONS OF TYPE-SPECIES UNDER THE PLENARY POWERS WITH GRANT OF PRECEDENCE TO THAIDIDAE OVER PURPURIDAE

RULING.—(1) Under the plenary powers:
(a) all designations of type-species for the nominal genus Purpura Bruguière, 1789, made prior to the present Ruling, are hereby set aside and the nominal species Buccinum persicum Linnaeus, 1758, is hereby designated to be the type of that genus;
(b) all designations of type-species for the nominal genus Muricanthus Swainson, 1840, made prior to the present Ruling, are hereby set aside and the nominal species Murex radix Gmelin, [1791], is hereby designated to be the type of that genus;
(c) it is hereby directed that the family-group name Thaididae Suter, 1913, is to be given precedence over Purpuridae Broderip, 1839, by any zoologist who considers Thais [Röding] and Purpura Bruguière to belong to the same family-group taxon;
(d) the following names are hereby suppressed for the purposes of the Law of Priority but not for those of the Law of Homonymy:

(i) the family-group names Purpuracea Menke, 1828, and Purpurinae Swainson, 1840;

(ii) the generic name Tritonalia Fleming, 1828.

(2) The following generic names are hereby placed on the Official List of Generic Names in Zoology with the Name Numbers specified:
(a) Purpura Bruguière, 1789 (gender: feminine), type-species, by designation under the plenary powers in (1)(a) above, Buccinum persicum Linnaeus, 1758 (Name No. 1843);
(b) Ocenebra Gray, 1847 (gender: feminine), type-species, by monotypy, Murex erinaceus Linnaeus, 1758 (Name No. 1844);
(c) Muricanthus Swainson, 1840 (gender: feminine), type-species, by designation under the plenary powers in (1)(b) above, Murex radix Gmelin [1791] (Name No. 1845);
(d) Charonia Gistl [1847], (gender: feminine), type-species, by original designation, Murex tritonis Linnaeus, 1758 (Name No. 1846);
(e) Thais [Röding], 1798 (gender: feminine), type-species, by designation by Iredale, 1915, Murex fucus Gmelin, 1791 (Name No. 1847).

(3) The following specific names are hereby placed on the Official List of Specific Names in Zoology with the Name Numbers specified:
(a) persicum Linnaeus, 1758, as published in the binomen Buccinum persicum (type-species of Purpura Bruguière, 1789) (Name No. 2307);
(b) erinaceus Linnaeus, 1758, as published in the binomen Murex erinaceus (type-species of Ocenebra Gray, 1847) (Name No. 2308);

(c) radix Gmelin, [1791], as published in the binomen Murex radix (type-species of Muricantilus Swainson, 1840) (Name No. 2309);
(d) tritonis Linnaeus, 1758, as published in the binomen Murex tritonis (type-species of Charonia Gistl [1847]) (Name No. 2310);
(e) nodosa Linnaeus, 1758, as published in the binomen Nerita nodosa (Name No. 2311).

(4) The following generic names are hereby placed on the Official Index of Rejected and Invalid Generic Names in Zoology with the Name Numbers specified:

(a) Tritonalia Fleming, 1828 (as suppressed under the plenary powers in (1)(d) above) (Name No. 1950);
(b) Triton Montfort, 1810 (a junior homonym of Triton Linnaeus, 1758) (Name No. 1951);
(c) Centronotus Swainson, 1833 (a junior homonym of Centronotus Schneider, 1801) (Name No. 1952).

(5) The following specific names are hereby placed on the Official Index of Rejected and Invalid Specific Names in Zoology with the Name Numbers specified:

(a) pictum Perry, 1811, as published in the binomen Haustrum pictum (rejected as a nomen oblitum) (Name No. 908);
(b) dentex Perry, 1811, as published in the binomen Haustrum dentex (rejected as a nomen oblitum) (Name No. 909).

(6) The following family-group names are hereby placed on the Official List of Family-Group Names in Zoology with the Name Numbers specified:

(a) Thaididae (correction of Thaididae) Suter, 1913 (type-genus Thais [Röding], 1798) (by direction under the plenary powers to be given precedence over Purpuridae Broderip, 1839, by any zoologist who considers Thais and Purpura to belong to the same family-group taxon) (Name No. 439);
(b) Purpuridae Broderip, 1839 (type-genus Purpura Bruguière, 1789) (by direction under the plenary powers not to be given precedence over Thaididae Suter, 1913) (Name No. 440).

(7) The following family-group names are hereby placed on the Official Index of Rejected and Invalid Family-Group Names in Zoology with the Name Numbers specified:

(a) Purpuracea Menke, 1828 (as suppressed under the plenary powers in (1)(d) above) (Name No. 444);
(b) Purpurinae Swainson, 1840 (as suppressed under the plenary powers in (1)(d) above) (Name No. 445).

HISTORY OF THE CASE (Z.N.(S.) 1621)

The present case was submitted to the Office of the Commission by Prof. Myra Keen in December 1963. Prof. Keen’s application was sent to the printer on 28 February 1964 and was published on 7 August 1964 in Bull. zool. Nomencl. 21 : 235–239. Public notice of the possible use of the plenary powers in the present case was given in the same part of the Bulletin as well as to the other
prescribed serial publications (Constitution Art. 12b; Bull. zool. Nomencl. 21 : 184) and to four specialist serials.

Comments supporting the application were received from the Northern California Malacozoological Club (M. D. Richart), Dr. A. G. Smith, Dr. C. O. van Regteren Altena and Dr. J. L. Bailey Jr. (Bull. zool. Nomencl. 22 : 136) the last two, however, expressing preference for the use of the senior name Purpuridae Broderip, 1839, to the junior name Thaididae Suter, 1913.

DECISION OF THE COMMISSION

On 3 May 1966 the Members of the Commission were invited to vote under the Three-Month Rule on Voting Paper (66)26 either for or against the proposals set out in Bull. zool. Nomencl. 21 : 238–239. At the close of the prescribed voting period on 3 August 1966 the state of the voting was as follows:

Affirmative votes—twenty-two (22), received in the following order: China,* Simpson,* Mayr, Holthuis,* Bonnet, Boschma,* Brinck,* Vokes, Lemche,* Uchida, Jaczewski, Tortonese, Sabrosky,† do Amaral,* Mertens, Forest, Alvarado, Munroe, Ride,† Stoll, Kraus,* Evans.

Negative votes—none (0).

Voting papers not returned—three (3): Binder, Hubbs, Obruchev.

In returning their Voting Papers, Commissioners Sabrosky and Ride made the following comments:

Dr. C. W. Sabrosky (1.vii.66).: “The divided vote illustrates the desirability of making separate cases of distinct problems, some of which involve quite different points. I believe that the case of Purpura should be dealt with separately and should be resubmitted to the Commission, with further evidence and clarification of the proposal, or submission of alternate proposals if needed. I formally ask reconsideration of the case.

“The question of family name Purpuridae vs. Thaididae is a critical one, but here the authors submit diametrically opposed statements. Keen, the applicant (Bull. zool. Nomencl. 21 : 236, ii) states that Thaididae ‘has been almost universally applied ever since’ its first use in 1913. Baily, on the other hand (ibid. 22 : 136), says that ‘the name Purpuridae is the commonly accepted name. The name Thaididae has never come into general usage’ [both italics mine]. Both statements are unsupported by evidence. Which is correct? How can the Commission reach a just decision unless the answer is provided?

“Keen has stated (ibid. 22 : 137, first paragraph) that her alternative (a) is the best choice ‘provided [her italics] that at the same time all family-group names based on Purpura were suppressed.’ The inference is that if her application for approval of Thaididae were to be rejected, and Purpuridae approved instead as favoured by two of the commenters (ibid. 22 : 136), then her alternative (a) would not be the best choice.

“Should not the Commission be given an appropriate statement, with choices, after the evidence for usage has been furnished?”

* These Commissioners preferred to retain PURPURIDAE as the valid family-group name

† Commissioners Sabrosky and Ride asked for further information on usage of THAIDIADAE and PURPURIDAE before voting on that part of the application
Dr. W. D. L. Ride (28.vii.66): “I am unable to vote for (1)(c), (6), (7) of the proposals. We have two opposing authoritative statements and no advice from the Secretary as to which is correct.

“Dr. Keen, Bull. 21: 236, ‘Thaididae... almost universally applied ever since.’

“Dr. Bailey, Bull. 22: 136, ‘Thaididae has never come into general usage.’”

In reply to the requests for more information on the usage of the family-group names, Dr. Keen supplied the following list, which was compiled subject to the following restrictions:

(a) published after 1950;
(b) publication uninfluenced by her own convictions;
(c) publication by authors who have done more than casual taxonomic work.


A second vote was therefore taken on Voting Paper (67)53 in order to decide the question of the Family-group names alone. Included with this voting paper was Dr. Keen’s list as given above. On 2 January 1968 the Members of the Commission were invited to vote under the Three Month Rule on Voting Paper (67)53 either for or against the proposal relating to the family-group names as set out in *Bull. zool. Nomencl.*, 21: 238–239. At the close of the prescribed voting period on 2 April 1968 the state of the voting was as follows:

Affirmative votes—sixteen (16), received in the following order: Mayr, China, Vokes, Jaczewski, do Amaral, Binder, Bonnet, Obruchev, Lemche, Sabrosky, Munroe, Uchida, Tortonese, Ride, Mertens, Alvarado.

Negative votes—four (4): Holthuis, Boschma, Simpson, Brinck.

Commissioners Kraus and Forest returned late affirmative votes.

However, the following objection was raised by Dr. Holthuis who voted against the proposal:

“T has already been agreed in an earlier vote (V.P. (1966)26) to place the generic name *Purpura* on the Official List of Generic Names in Zoology, and any name placed on that List must have the possibility of becoming that of the type-genus of a family, since an author wishing to make (in this case *Purpura*) the type of a monotypic family would have no alternative name to use.”

Consequently on 10 February 1969 the Members of the Commission were invited to vote under the One-Month Rule on Voting Paper (O.M.) 69(4) to correct the action taken on Voting Paper (67)53 by voting either for or against the proposal to grant precedence to *Thaididae* over *Purpuridae* and the placing of both names on the Official List with the annotation that authors synonymising the two should give *Thaididae* precedence over *Purpuridae*. At the close of the prescribed voting period on 10 March 1969 the state of the voting was as follows:

Affirmative Votes—twenty (20), received in the following order: China, Holthuis, Forest, Simpson, Vokes, Alvarado, Tortonese, Jaczewski, Lemche, Ride, Eisenmann, Melville, Obruchev, Bonnet, Binder, Mertens, Kraus, Brinck, Sabrosky, Mayr.
Negative votes—none (0).
Voting Papers not returned—three (3): do Amaral, Evans, Munroe.
Commissioners Starobogatov and Uchida returned late affirmative votes.

ORIGINAL REFERENCES
The following are the original references for names placed on the Official Lists and Indexes by the Ruling given in the present Opinion:

Centronotus Swainson, 1833, Zool. Illust. (2) 3 : pl. 100
Charonia Gistl, [1847], Handb. Naturgesch. : 559, 586
dentex, Hastrum, Perry, 1811, Conchology : pl. 44
erinaceus, Murex, Linnaeus, 1758, Syst. Nat. (ed. 10) 1 : 743
Muricanthus Swainson, 1840, Treatise Malac. : 296
nodosa, Nerita, Linnaeus, 1758, Syst. Nat. (ed. 10) 1 : 777
persicum, Purpura, Linnaeus, 1758, Syst. Nat. (ed. 10) 1 : 738
pictum, Hastrum, Perry, 1811, Conchology : pl. 44
Purpura Bruguière, 1789, Ency. Method. Text, Vers. 1 (1) : 15
Purpuracea Menke, 1828, Synopsis meth. Moll. : 34
Purpuridae Broderip, 1839, Penny cyclop. 14 : 321
Purpurinae Swainson, 1840, Treatise Malac. : 71
radix, Murex, Gmelin, [1791], in Linnaeus, Syst. Nat. (ed. 13) 1 : 3527
Thaïdidae (correction of Thaïsidae) Suter, 1913, Man. N.Z. Moll : 42
Thaïs [Röding], 1798, Mus. bolten. : 54
Triton Montfort, 1810, Conch. Syst. Class. méth. Coquilles 2 : 586
tritonis, Murex, Linnaeus, 1758, Syst. Nat. (ed. 10) 1 : 754

The following is the original reference for the designation of a type-species for a genus concerned in the present ruling:
For Thais [Röding], 1798 : Iredale, 1915, Trans. N. Z. Inst. 47 : 472

CERTIFICATE
We certify that the votes cast on Voting Papers (66)26, (67)53, and (O.M.) (69)4 were cast as set out above, that the proposals contained in Voting Papers (66)26 and (O.M.) (69)4 have been duly adopted under the plenary powers, and that the decision so taken, being the decision of the International Commission, is truly recorded in the present Opinion No. 886.

R. V. MELVILLE
Secretary
International Commission on Zoological Nomenclature

W. E. CHINA
Assistant Secretary

London
20 March 1969