OPINION 706

AMMODISCUS REUSS, 1862 (FORAMINIFERA): DESIGNATION OF A TYPE-SPECIES UNDER THE PLENARY POWERS

RULING.—(1) Under the plenary powers all designations of type-species for the nominal genus Ammodiscus Reuss, 1862, are hereby set aside and the nominal species Involutina silicea Terquem, 1862, is hereby designated to be the type-species of that genus.

(2) The following generic names are hereby placed on the Official List of Generic Names in Zoology with the Name Numbers specified:

(a) Ammodiscus Reuss, 1862 (gender : masculine), type-species, by designation under the plenary powers in (1) above, Involutina silicea Terquem, 1862 (Name No. 1594);

(b) Involutina Terquem, 1862 (gender : feminine), type-species, by designation by Bornemann, 1874, Involutina jonesi Terquem & Piette, 1862 (Name No. 1595).

(3) The following specific names are hereby placed on the Official List of Specific Names in Zoology with the Name Numbers specified:

(a) silicea Terquem, 1862, as published in the binomen Involutina silicea (type-species of Ammodiscus Reuss, 1862) (Name No. 1981);

(b) arenacea Williamson, 1858, as published in the binomen Spirillina arenacea, as defined by the lectotype designated by T. Barnard, 1962 (Name No. 1982);

(c) liassicus Jones, 1853, as published in the binomen Nummulites liassicus (Name No. 1983);

(d) infimus Strickland, 1846, as published in the binomen Orbis infimus, as defined by the lectotype designated by T. Barnard, 1954 (Name No. 1984).

(4) The family-group name AMMODISCINAE (correction of AMMODISCINAE) Reuss, 1862 (type-genus Ammodiscus Reuss, 1862) is hereby placed on the Official List of Family-Group Names in Zoology with the Name Number 367.

(5) The family-group name AMMODISCINAE Reuss, 1862 (type-genus Ammodiscus Reuss, 1862) (an incorrect original spelling for AMMODISCINAE) is hereby placed on the Official Index of Rejected and Invalid Family-Group Names with the Name Number 403.

HISTORY OF THE CASE (Z.N.(S.) 1807)

The present case was submitted to the office of the Commission by Dr. W. A. Macfadyen and Dr. T. Barnard in March 1956. After a great deal of correspondence between Dr. Macfadyen and Mr. R. V. Melville (then Assistant Secretary to the Commission) a revised application was sent to the printer on 22 August 1961 and was published on 2 February 1962 in Bull. zool. Nomencl. 19 : 27–34, pls. 1 & 2. 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 (Bull. zool. Nomencl. 4 : 51–56). The subsequent history of the case is set out in the Secretary’s report which was attached to Voting Paper (63)25, and which is reproduced below:

"Dr. Macfadyen's proposals were supported by Dr. Irene McCulloch and Dr. J. Hofker (Bull. zool. Nomencl. 20 : 92).

"The proposals were opposed by Drs. A. R. Loeblich and H. Tappan (Bull. zool. Nomencl. 20 : 88–91) who put forward counter-proposals concerning the type-species of *Ammodiscus*. The proposals of Loeblich & Tappan were supported by Dr. H. C. Skinner, Dr. Frances L. Parker, Dr. Don L. Frizzell (Bull. zool. Nomencl. 20 : 90–92) and by Drs. D. M. Rauser-Chernousova, V. G. Morosova and V. A. Krasheninnikov (Bull. zool. Nomencl. 20 : 250).

"Dr. Frizzell quite correctly makes the point that there is no nominal species *Ammodiscus infimus* Bornemann. If the Commission were to vote to achieve the result desired by Loeblich & Tappan the plenary powers would have to be used to designate *Involutina silicea* Terquem, 1862, as type-species of *Ammodiscus*, that species having been misidentified by Bornemann, 1874, as *Orbis infimus* Strickland, 1846.

"The Commission has therefore two alternative proposals before it:


Proposal B—that of Loeblich & Tappan in Bull. zool. Nomencl. 20 : 90,

with the following emendations:

For (1) substitute the following:

*Ammodiscus* Reuss, 1862 (gender : masculine), type-species, by designation under the plenary powers in (1) above, *Involutina silicea* Terquem, 1862, as the type-species of that genus.

For (2)(a) substitute the following:

*Ammodiscus* Reuss, 1862 (gender : masculine), type-species, by designation under the plenary powers in (1) above, *Involutina silicea* Terquem, 1862.

"In part 1 of the accompanying Voting Paper, therefore, Commissioners are asked to vote either for or against the use of the plenary powers in the present case. This requires a two-thirds majority for approval.

"In part 2 of the Voting Paper, which requires a simple majority of votes, Commissioners having voted for the use of the plenary powers are asked to choose between two possible ways in which those powers shall be used."

**DECISION OF THE COMMISSION**

On 24 October 1963 the Members of the Commission were invited to vote under the Three-Month Rule on Voting Paper (63)25, in Part 1 either for or against the use of the plenary powers in the present case, and in Part 2 either for Alternative A or Alternative B, as set out in the accompanying report (see above). At the close of the prescribed voting period on 24 January 1964 the state of the voting was as follows:

In Part 1. **Affirmative votes**—twenty-eight (28), received in the following order: China, Hemming, Brinek, Hering, Holthuis, Vokes, Bonnet, Hubbs, Riley, Boschma, Stoll, Lemeche, Mayr, Uchida, Simpson, Borchsenius, Miller, do Amaral, Jaczewski, Alvarado, Binder, Forest, Obruchev, Mertens, Kraus, Ride, Sabrosky, Evans.

**Negative votes**—one (1): Tortonese.

Voting Papers not returned—one (1): Munroe.


The following comment was made by Commissioner C. W. Sabrosky in returning his Voting Paper:

"I agree in general with proposal B, but I do not approve of the substitute for (1). In my view, the plenary powers are needed here only because a mis-identified type-species is involved (Art. 70a), and not 'to set aside all designations' and to supply another. On the contrary, I would recognize the technically correct oldest valid type-designation.

"This case clearly fits Article 70a(i) and should be settled on that basis. The proposed substitution reads as if it were being done under Article 70a(ii), which is not really true. I recommend that the wording be revised accordingly, so that the type-species is recognized as originally designated, as Orbis infimus Strickland (misident. Bornemann, 1874) = Ammodiscus silicea (Terquem, 1862). Or if you prefer, Ammodiscus, or Involutina, silicea Terquem (as Orbis infimus Strickland, misident. Bornemann, designated by Loeblich and Tappan, 1954)."

Original References

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


Ammodiscinen Reuss, 1862, an incorrect original spelling for Ammodiscinae q.v.


arenacea, Spirillina, Williamson, 1858, Rec. Foram. Gt. Brit. : 93, pl. 7, fig. 203

infimus, Orbis, Strickland, 1846, Quart. J. geol. Soc. Lond. 2: 31

Involutina Terquem, 1862, Mém. Acad. imp. Metz. 42: 450


silicea, Involutina, Terquem, 1862, Mém. Acad. imp. Metz. 42: 450

The following is the original reference for the designation of a type-species for a nominal genus involved in the present Ruling:

For Involutina Terquem, 1862: Bornemann, 1874, Z. deutsch. geol. Ges. 28: 711

The following are the original references for the designation of lectotypes for two nominal species involved in the present Ruling:


CERTIFICATE

I certify that the votes cast on Voting Paper (63)25 were cast as set out above, that the proposal presented in that Voting Paper as Alternative B has 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. 706.

W. E. CHINA
Acting Secretary

International Commission on Zoological Nomenclature
London
11 February 1964