

OPINION 898

MIRIDAE HAHN, 1833 (HEMIPTERA) AND MIRINI ASHMEAD, 1900 (HYMENOPTERA): REMOVAL OF HOMONYMY UNDER THE PLENARY POWERS

RULING.—(1) Under the plenary powers it is hereby directed:

- (a) that the correct form of the family-group name based on *Mira* Schellenberg shall be MIRAINI and that all names derived from it shall be considered as having Mira- as their root;
- (b) that BOTHRIOTHORACINI Howard, 1895, shall be given precedence over TETRACNEMINI Howard, 1892, by any author who considers that *Bothriothorax* Ratzeburg and *Tetracnemus* Westwood belong to the same family-group taxon.

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

- (a) *Miris* Fabricius, 1794 (gender : masculine), type-species, by designation by Latreille, 1810, *Cimex striatus* Linnaeus, 1758 (Class Insecta, Order Hemiptera) (Name No. 1879);
- (b) *Mira* Schellenberg, 1803 (gender : feminine), type-species, by monotypy, *Mira macrocera* Schellenberg, 1803 (Class Insecta, Order Hymenoptera) (Name No. 1880);
- (c) *Bothriothorax* Ratzeburg, 1844 (gender : masculine), type-species, by monotypy, *Bothriothorax altensteinii* Ratzeburg, 1844, as interpreted by the neotype designated by Lemche, 1965 (Class Insecta, Order Hymenoptera) (Name No. 1881);
- (d) *Stenodema* Laporte, [1833] (gender : neuter), type-species, by monotypy, *Cimex virens* Linnaeus, 1767 (Class Insecta, Order Hemiptera) (Name No. 1882);
- (e) *Brachystira* Fieber, 1858 (gender : feminine), type-species, by monotypy, *Miris calcaratus* Fallén, 1807 (Class Insecta, Order Hemiptera) (Name No. 1883);
- (f) *Leptopterna* Fieber, 1858 (gender : feminine), type-species, by monotypy, *Cimex dolabratus* Linnaeus, 1758 (Class Insecta, Order Hemiptera) (Name No. 1884).

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

- (a) *striatus* Linnaeus, 1758, as published in the binomen *Cimex striatus* (type-species of *Miris* Fabricius, 1794) (Class Insecta, Order Hemiptera) (Name No. 2345);
- (b) *macrocera* Schellenberg, 1803, as published in the binomen *Mira macrocera* (type-species of *Mira* Schellenberg, 1803) (Class Insecta, Order Hymenoptera) (Name No. 2346);
- (c) *clavicornis* Dalman, 1820, as published in the binomen *Encyrtus clavicornis* (Class Insecta, Order Hymenoptera) (Name No. 2347);
- (d) *virens* Linnaeus, 1767, as published in the binomen *Cimex virens* (type-

- species of *Stenodema* Laporte, [1833]) (Class Insecta, Order Hemiptera) (Name No. 2348);
- (e) *calcaratus* Fallén, 1807, as published in the binomen *Miris calcaratus* (type-species of *Brachystira* Fieber, 1858) (Class Insecta, Order Hemiptera) (Name No. 2349);
- (f) *dolabratus* Linnaeus, 1758, as published in the binomen *Cimex dolabratus* (type-species of *Leptopterna* Fieber, 1858) (Class Insecta, Order Hemiptera) (Name No. 2350).
- (4) The following family-group names are hereby placed on the Official List of Family-group Names in Zoology with the Name Numbers specified:
- (a) MIRIDAE (correction of MIRIDES) Hahn, 1833 (type-genus *Miris* Fabricius, 1794) (Class Insecta, Order Hemiptera) (Name No. 441);
- (b) MIRAINI (emendation under the plenary powers of MIRINI) Ashmead, 1900 (type-genus *Mira* Schellenberg, 1803) (Class Insecta, Order Hymenoptera) (Name No. 442);
- (c) BOTHRIOTHORACINI Howard, 1895 (type-genus *Bothriothorax* Ratzeburg, 1844) (by direction under the plenary powers, to be given precedence over TETRACNEMINI Howard, 1892, by any author who considers *Bothriothorax* and *Tetracnemus* Westwood, 1837, to belong to the same family-group taxon) (Class Insecta, Order Hymenoptera) (Name No. 443);
- (d) STENODEMINI China, 1943 (type-genus *Stenodema* Laporte, [1833]) (Class Insecta, Order Hemiptera) (Name No. 444).
- (5) 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) MIRINI Ashmead, 1900 (type-genus *Mira* Schellenberg, 1803) (Ruled under the plenary powers in (1)(a) above to be an incorrect original spelling for MIRAINI) (Name No. 446);
- (b) MIRIDIDAE Timberlake, 1962 (type-genus *Miris* Fabricius, 1794) (an incorrect spelling for MIRIDAE Hahn, 1833) (Name No. 447).

HISTORY OF THE CASE (Z.N.(S.) 1090)

The present case was submitted to the office of the Commission by Dr. I. M. Kerzhner and Dr. V. A. Trjapitzin in March 1964. The application was sent to the printer on 8 May 1964 and was published on 16 October 1964 in *Bull. zool. Nomencl.* **21** : 263–267 together with a comment by Mr. G. J. Kerrich on the Hymenoptera names involved. 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 seven entomological serials.

Comments on the proposals, with additional proposals, were submitted by Dr. H. Lemche, Prof. T. Jaczewski, Mr. D. Leston, Dr. B. D. Burks, Dr. H. Compere and Dr. D. P. Annecke (*Bull. zool. Nomencl.* **22** : 122–133; **23** : 131–132). As a result of additional information and proposals by Prof. Jaczewski, Dr. Kerzhner revised his original application (*Bull. zool. Nomencl.* **22** : 128–133).

DECISION OF THE COMMISSION

On 1 September 1967 the Commission were invited to vote under the Three-Month Rule on Voting Paper (67)36, in *Part 1* either for or against the use of the plenary powers to solve the problem of the two homonymous family-group names MIRIDAE and related matters, and in *Part 2* for either Alternative A or Alternative B. These alternatives were set out in an accompanying note as follows:

Alternative A—

Jaczewski's proposals as set out on page 127–128 of volume 22 of the *Bulletin* with the following additions:

- (i) to use the plenary powers to grant precedence to BOTHRIOTHORACINI Howard, 1895, over TETRACNEMINI Howard, 1892;
- (ii) to place *Bothriothorax* Ratzeburg, 1844 (masculine), type-species, by monotypy, *Bothriothorax altensteinii* Ratzeburg, 1844, as interpreted by the neotype designated by Lemche (*Bull. zool. Nomencl.* 22 : 125, footnote), on the Official List;
- (iii) to place *Encyrtus clavicornis* Dalman, 1820, on the Official List.

Alternative B—

Kerzhner's proposals as set out on page 132–133 of volume 22 of the *Bulletin*, with the addition of points (i)–(iii) as in *Alternative A* above.

V.P.(67)36 was cancelled at the request of Dr. Holthuis, who objected to some of the proposals placed before the Commission. That Voting Paper was replaced by Voting Paper (68)10, sent to Commissioners on 1 May 1968 with the following explanation.

“The case concerning the homonymous family-group names MIRIDAE in Hemiptera and in Hymenoptera was put to the vote in V.P.(67)36 issued in September 1967. This Voting Paper has been cancelled at the request of Dr. Holthuis who pointed out that it had several faults.

“The Commission was requested in V.P.(67)36 to place MIRINI Ashmead on the Official Index, whilst placing its type-genus (*Mira* Schellenberg) on the Official List. The Commission is not, however, competent to do this, since a family-group name must remain available for a monotypic family based upon *Mira* if such is ever required. The Commission is now, therefore, requested to vote for the use of the plenary powers to amend MIRINI Ashmead to MIRAINI, and to place the latter name on the Official List for use by any hymenopterist who considers use of the name appropriate.

“Dr. Holthuis also points out that *Miris* Hahn, 1831, *Miris* Spinola, 1837, and *Miris* Curtis, 1838, are treated by the authors of the application as though they were good genera, whilst in fact there are no such names—all being mis-identifications of *Miris* Fabricius, 1794. Similarly MIRIDAE Hahn, 1833, must have *Miris* Fabricius as its type-genus, not *Miris* Hahn.

“The present Voting Paper is divided into three parts:

Part 1 concerns the family-group names and Commissioners are requested to vote either for or against the use of the plenary powers to direct:

- (a) that the correct form of the family-group name based on *Mira* Schellenberg shall be MIRAINI and that all names derived from it shall be considered as having Mira- as their root;

- (b) that BOTHRIOTHORACINI Howard, 1895, shall be given precedence over TETRACNEMINI Howard, 1892, by any author who considers that *Bothriothorax* and *Tetracnemus* belong to the same family-group taxon.

If a majority of Commissioners votes for these proposals MIRAINI and BOTHRIOTHORACINI will be placed on the Official List and MIRINI Ashmead will be placed on the Official Index as an incorrect spelling for MIRAINI.

Part 2 concerns the type-species of *Miris* Fabricius, 1794, and Commissioners are requested to vote either for or against the use of the plenary powers to designate *Cimex dolabratus* Linnaeus as type of *Miris* Fabricius, as requested by Dr. Kerzhner in his revised proposals (*Bull.* 22 : 128-133).

Part 3 concerns the addition of names to the Official Lists and Index and Commissioners are asked to vote either for or against the following proposals:

(1) to place the following names on the Official List of Generic Names in Zoology:

- (a) *Miris* Fabricius, 1794 (gender : masculine), with the type-species as fixed in Part 2 of this V.P.;
- (b) *Mira* Schellenberg, 1803 (gender : feminine), type-species, by monotypy, *Mira macrocera* Schellenberg, 1803;
- (c) *Bothriothorax* Ratzeburg, 1844 (gender : masculine), type-species, by monotypy, *Bothriothorax altensteinii* Ratzeburg, 1844;
- (d) *Stenodema* Laporte [1833] (gender : neuter), type-species, by monotypy, *Cimex virens* Linnaeus, 1767;
- (e) *Brachystira* Fieber, 1858 (gender : feminine), type-species, by monotypy, *Miris calcaratus* Fallén, 1807;
- (f) EITHER *Leptopterna* Fieber, 1858 (gender : feminine), type-species, by monotypy, *Cimex dolabratus* Linnaeus, 1758;
OR *Pycnopterna* Fieber, 1858 (gender : feminine), type-species, by designation by Reuter, 1888, *Cimex striatus* Linnaeus, 1758 depending upon the decision taken in Part 2 of this V.P.

(2) to place the following names on the Official List of Specific Names in Zoology:

- (a) the type-species of genera in (1)a, b, d-f above;
- (b) *clavicornis*, *Encyrtus*, Dalman, 1820 [oldest available name for type-species of *Bothriothorax* Ratzeburg, 1844].

(3) to place the following names on the Official List of Family-Group Names in Zoology:

- (a) MIRIDAE (correction of MIRIDES) Hahn, 1833 (type-genus *Miris* Fabricius, 1794);
- (b) MIRAINI (correction under the plenary powers of MIRINI) Ashmead, 1900 (type-genus *Mira* Schellenberg, 1803);
- (c) BOTHRIOTHORACINI Howard, 1895 (type-genus *Bothriothorax* Ratzeburg, 1844) (under the plenary powers to be given priority over TETRACNEMINI);
- (d) STENODEMINI China, 1943 (type-genus *Stenodema* Laporte, [1833]);

(4) to place the following names on the Official Index of Rejected and Invalid Family-Group Names in Zoology:

- (a) MIRINI Ashmead, 1900 (type-genus *Mira* Schellenberg, 1803) (ruled

under the plenary powers to be an incorrect original spelling for MIRAINI);

- (b) MIRIDIDAE Timberlake, 1962 (type-genus *Miris* Fabricius, 1794) (an incorrect spelling for MIRIDAE)."

At the close of the prescribed voting period for V.P.(68)10, on 1 August 1968 the state of the voting was as follows:

Part 1. Affirmative votes—twenty-two (22), received in the following order: China, Holthuis, Brinck, Mayr*, Vokes, Jaczewski, Bonnet, Eisenmann, Sabrosky, Uchida, Obruchev, Alvarado, Starobogatov, Melville, Evans*, Lemche, Binder, Tortonese, Forest, Ride, Mertens, Kraus.

Negative votes—one (1): do Amaral.

Part 2. Affirmative votes—nineteen (19): China, Brinck, Mayr*, Vokes, Jaczewski, Bonnet, Eisenmann, Uchida, Obruchev, Alvarado, Starobogatov, Melville, Evans*, Lemche, Binder, Forest, Ride, Mertens, Kraus.

Negative votes—three (3): Holthuis, Sabrosky, do Amaral.

Part 3. Affirmative votes—twenty (20): China, Holthuis, Brinck, Mayr, Vokes, Jaczewski, Bonnet, Eisenmann, Uchida, Obruchev, Alvarado, Starobogatov, Melville, Evans, Lemche, Binder, Forest, Ride, Mertens, Kraus.

Negative votes—one (1): do Amaral.

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

Commissioner Simpson returned his Voting Paper without voting, and Commissioner Tortonese did not vote in *Parts 2* and *3*.

Dr. Sabrosky objected to *Part 2* of Voting Paper (68)10 on the grounds that there was not enough information available on present usage and requested that the Assistant Secretary should circulate a letter requesting the views of specialists in the MIRIDAE on which species they would prefer to be type of *Miris*.

Consequently Dr. China asked fourteen specialists for their opinion on which species should be placed on the Official List as type of *Miris* Fabricius. He received thirteen replies as follows:

In favour of *Cimex striatus* Linnaeus (the correct type-species under the Code)—nine (9): Prof. T. R. E. Southwood, Dr. L. A. Kelton, Dr. R. Linnavuori, Dr. J. C. Carvalho, Prof. T. Jaczewski, Mr. T. R. Odhiambo, Dr. J. Slater, Dr. E. Wagner, Mr. D. Leston.

In favour of *Cimex dolabratus* (designated under the plenary powers)—four (4): Prof. L. Hoberlandt, Dr. R. C. Froeschner, Dr. N. T. Davis, Dr. I. M. Kerzhner.

Dr. China himself was in favour of *striatus* as type of *Miris*, as was the late Prof. R. L. Usinger.

In view of the additional information on general usage, as shown by the census of specialists, *Part 2* of Voting Paper (68)10 was cancelled and Commissioners were asked to vote again, on Voting Paper (69)12 on the proposed use of the plenary powers to designate *Cimex dolabratus* as type-species of *Miris* Fabricius. This Voting Paper was issued on 5 February 1969, and at the close of the prescribed Voting Period on 5 May 1969 the state of the voting was as follows:

* Commissioners Mayr and Evans requested that they be counted with the majority.

Affirmative votes—four (4), received in the following order: Holthuis, Munroe, Bonnet, Binder.

Negative votes—nineteen (19): China, Mayr, Vokes, Simpson, Eisenmann, Jaczewski, Lemche, Obruchev, Melville, Mertens, Kraus, Alvarado, Sabrosky, Starobogatov, Uchida, do Amaral, Evans, Tortonese, Forest.

Voting Papers not returned—two (2): Brinck, Ride.

ORIGINAL REFERENCES

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

BOTHRIOTHORACINI Howard, 1895, *Proc. U.S. nat. Mus.* **17** : 605

Bothriothorax Ratzeburg, 1844, *Ichneum. Forstins.* **1** : 208

Brachystira Fieber, 1858, *Wien. ent. Monats.* **2** : 301

calcaratus, *Miris*, Fallén, 1807, *Mon. Cimicum Svec.* : 110–111

clavicornis, *Encyrtus*, Dalman, 1820, *K. svensk. Vetensk.-Akad. Handl.* **1820** : 161

dolabratus, *Cimex*, Linnaeus, 1758, *Syst. Nat.* (ed. 10) **1** : 449

Leptopterna Fieber, 1858, *Wien. ent. Monats.* **2** : 302

macrocera, *Mira*, Schellenberg, 1803, *Gen. Mouch. dipt.* : 68

Mira Schellenberg, 1803, *Gen. Mouch. dipt.* : 68

MIRAINI Ashmead, 1900, *Proc. U.S. nat. Mus.* **22** : 327

MIRIDAE Hahn, 1833, *Wanzen. Ins.* **1** : 234

MIRIDIDAE Timberlake, 1962, *Ent. News* **73**(3) : 66

MIRINI Ashmead, 1900, an incorrect original spelling for MIRAINI q.v.

Miris Fabricius, 1794, *Ent. syst.* **4** : 215

Stenodema Laporte, [1833], *Essai Class. syst. Hémipt.* : 36–40

STENODEMINI China, 1943, *Gen. Names Brit. Ins.* **8** : 255, 296

striatus, *Cimex*, Linnaeus, 1758, *Syst. Nat.* (ed. 10) **1** : 449

virens, *Cimex*, Linnaeus, 1767, *Syst. Nat.* (ed. 12) **1** : 730.

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

For *Miris* Fabricius, 1794: Latreille, 1810, *Consid. gén. Anim. Crust. Arachn. Ins.* : 433

The following is the original reference for the designation of a neotype for a species concerned in the present Ruling:

For *Bothriothorax altensteinii* Ratzeburg, 1844: Lemche, 1965, *Bull. zool. Nomencl.* **22** : 125, footnote.

CERTIFICATE

We certify that the votes cast on Voting Papers (68)10 and (69)12 were cast as set out above, that the proposals contained in *Parts 1* and *3* of Voting Paper (68)10 and that contained in Voting Paper (69)12 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. 898.

R. V. MELVILLE

Secretary

W. E. CHINA

Assistant Secretary

International Commission on Zoological Nomenclature

London

19 May 1969



International Commission on Zoological Nomenclature. 1970. "Miridae Hahn, 1833 (Hemiptera) and Mirini Ashmead, 1900 (Hymenoptera): removal of homonymy under the plenary powers." *The Bulletin of zoological nomenclature* 26, 203–208.

View This Item Online: <https://www.biodiversitylibrary.org/item/44468>

Permalink: <https://www.biodiversitylibrary.org/partpdf/9897>

Holding Institution

Natural History Museum Library, London

Sponsored by

Natural History Museum Library, London

Copyright & Reuse

Copyright Status: In copyright. Digitized with the permission of the rights holder.

Rights Holder: International Commission on Zoological Nomenclature

License: <http://creativecommons.org/licenses/by-nc-sa/3.0/>

Rights: <https://biodiversitylibrary.org/permissions>

This document was created from content at the **Biodiversity Heritage Library**, the world's largest open access digital library for biodiversity literature and archives. Visit BHL at <https://www.biodiversitylibrary.org>.