OPINION 1811

COLYDIIDAE Erichson, 1842 (Insecta, Coleoptera): given precedence over CERYLONIDAE Billberg, 1820 and ORTHOCERINI Blanchard, 1845 (1820); and Cerylon Latreille, 1802: Lyctus histeroides Fabricius, 1792 designated as the type species

Keywords. Nomenclature; taxonomy; Coleoptera; colydiidae; cerylonidae; orthocerini; Cerylon.

Ruling

(1) Under the plenary powers:
   (a) it is hereby ruled that the family-group name COLYDIIDAE Erichson, 1842 and other family-group names based on Colydiium Fabricius, 1792 are hereby given precedence over ORTHOCERIDAE Blanchard, 1845 (1820) and other family-group names based on Orthocerus Latreille, 1796, and over CERYLONIDAE Billberg, 1820 and other family-group names based on Cerylon Latreille, 1802;
   (b) all previous fixations of type species for the nominal genus Cerylon Latreille, 1802 are hereby set aside and Lyctus histeroides Fabricius, 1792 is designated as the type species.

(2) The following names are hereby placed on the Official List of Generic Names in Zoology:
   (a) Colydiium Fabricius, 1792 (gender: neuter), type species by subsequent designation by Latreille (1810) Bostrichus elongatus Fabricius, 1787;
   (b) Cerylon Latreille, 1802 (gender: neuter), type species by designation under the plenary powers in (1)(b) above Lyctus histeroides Fabricius, 1792;
   (c) Orthocerus Latreille, 1796 (gender: masculine), type species by subsequent monotypy by Latreille (1807) Tenebrio hirticornis De Geer, 1775 (a junior subjective synonym of Dermestes clavicornis Linnaeus, 1758).

(3) The following names are hereby placed on the Official List of Specific Names in Zoology:
   (a) elongatus, Fabricius, 1787, as published in the binomen ‘Bostricilus’ [recte Bostrichus] elongatus, specific name of the type species of Colydiium Fabricius, 1792;
   (b) histeroides, Fabricius, 1792, as published in the binomen Lyctus histeroides, specific name of the type species of Cerylon Latreille, 1802;
   (c) clavicornis, Linnaeus, 1758, as published in the binomen Dermestes clavicornis (senior subjective synonym of Tenebrio hirticornis De Geer, 1775, the type species of Orthocerus Latreille, 1796).

(4) The following names are hereby placed on the Official List of Family-Group Names in Zoology:
   (a) COLYDIIDAE Erichson, 1842 (type genus Colydiium Fabricius, 1792) with the endorsement that it and other family-group names based on Colydiium are to be given precedence over CERYLONIDAE Billberg, 1820 (type genus Cerylon Latreille, 1802) and other family-group names based on Cerylon, and over ORTHOCERINI Blanchard, 1845 (1820) (type genus Orthocerus Latreille, 1796)
and other family-group names based on Orthocerus, whenever their type genera are placed in the same family-group taxon;

(b) CERYLONIDAE Billberg, 1820 (type genus Cerylon Latreille, 1802) with the endorsement that it and other family-group names based on Cerylon are not to be given priority over COLYDIIDAE Erichson, 1842 (type genus Colydium Fabricius, 1792) and other family-group names based on Colydium whenever their type genera are placed in the same family-group taxon;

(c) ORTHOCERINI Blanchard, 1845 (1820) (type genus Orthocerus Latreille, 1796) with the endorsement that it and other family-group names based on Orthocerus are not to be given priority over COLYDIIDAE Erichson, 1842 (type genus Colydium Fabricius, 1792) and other family-group names based on Colydium whenever their type genera are placed in the same family-group taxon;

(5) The name SARROTRIIDAE Billberg, 1820 (type genus Sarrotrium Illiger, 1798) is hereby placed on the Official Index of Rejected and Invalid Family-Group Names in Zoology (replaced before 1961 as a name based on a junior generic synonym).

History of Case 2713

An application for the conservation of the family-group name COLYDIIDAE Erichson, 1842 by giving it precedence over CERYLONIDAE Billberg, 1820 and ORTHOCERINI Blanchard, 1845 (1820), and for the established usage of Lyctus histeroides Fabricius, 1792 as the type species of Cerylon Latreille, 1802 to be maintained, was received from Dr Hans Silfverberg (Zoological Museum, Helsinki University, Finland) on 23 February 1989. After correspondence the case was published in BZN 51: 17-20 (March 1994). Notice of the case was sent to appropriate journals.

Support for the application was received from Dr R.G. Booth (International Institute of Entomology, d/c The Natural History Museum, London, U.K.).

Decision of the Commission

On 1 December 1994 the members of the Commission were invited to vote on the proposals published in BZN 51: 18-19. At the close of the voting period on 1 March 1995 the votes were as follows:

Affirmative votes — 21: Bayer, Bock, Bouchet (part), Cocks, Corliss, Dupuis, Hahn, Halvorsen, Kabata, Kraus, Lehtinen, Maepherson, Mahnert, Minelli, Nielsen, Nye, Ride, Savage, Schuster, Thompson, Willink

Negative votes — 4: Heppell, Holthuis, Martins de Souza and Stys.

No votes were received from Cogger, Starobogatov, Trjapitzin and Ueno.

Bouchet voted in favour of designating Lyctus histeroides as the type species of Cerylon and placing all the generic and specific names involved in the case on Official Lists, but against giving precedence to the family-group name COLYDIIDAE. Voting against, Heppell commented: ‘I can find no evidence that any of the names ‘Cerylonides’ Billberg, 1820, ‘Sarrotriides’ Billberg, 1820 or ‘Orthocerites’ Blanchard, 1845 have any status in zoological nomenclature. They are no more than vernacular names. For such a name to be available under Article 11f(iii) of the Code it must have been not only latinized by later authors but also ‘generally accepted as ... dating from that first publication as a vernacular name’. Here, on the contrary, CERYLONIDAE seems to have been universally regarded as established by Erichson (1845, as
CERYLINI), and ORTHOCERINI by Reitter (1882). Consequently these names are not senior to COLYDIIDAE Erichson, 1842 and are no threat to its stability. I agree with the designation of Lyctus histeroides as the type species of Cerylon. Martins de Souza commented: ‘Since Crowson’s (1955) classification of the Coleoptera, CERYLONIIDAE has been included in the CUCUJOIDEA and COLYDIIDAE in the TENEBRIONOIDEA. This classification has been adopted by a number of very recent authors, which indicates that the COLYDIIDAE and CERYLONIIDAE are not included in the same family-group’. Stys commented: ‘I cannot endorse the proposal to give COLYDIIDAE precedence and feel that priority should apply whenever the names COLYDIIDAE, CERYLONIIDAE and ORTHOCERINI compete; only the precedence of CERYLONIIDAE and ORTHOCERINI should be decided by the Commission. I agree that COLYDIIDAE is the best known and widely used name. However, all the names have been frequently used in both the classical and modern literature and none of them has been ‘rediscovered’. I cannot see that the ‘stability of nomenclature is threatened’, only that coleopterists have ignored the principle of priority. A quite different situation obtains with SARROTRIIDAE and I fully support placing the name on the Official Index’.

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:


COLOYDIIDAE Erichson, 1842, Archiv für Naturgeschichte, 8: 213.

Colydium Fabricius, 1792, Entomologia Systematica, vol. 1, part 2, p. 495.

Elongatus, Bostrichus, Fabricius, 1787, Mantissa Insectorum, vol. 1, p. 36.


ORTHOCERINI Blanchard, 1845 (1820), Histoire des insectes ... comprenant une nouvelle classification fondée sur leurs rapports naturels, vol. 2, p. 29.

Orthocerus Latreille, 1796, Précis des caractères généraux des Insectes, disposés dans un ordre naturel, p. 16.


The following is the reference for the designation of Bostrichus elongatus Fabricius, 1787 as the type species of the nominal genus Colydiun Fabricius, 1792:


The following is the reference for the fixation of Tenebrio hirticornis De Geer, 1775 as the type species of the nominal genus Orthocerus Latreille, 1796:


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