

OPINION 2133 (Case 3211)**CLIONIDAE d'Orbigny, 1851 (Porifera, Hadromerida): emended to CLIONAIDAE to remove homonymy with CLIONIDAE Rafinesque, 1815 (Mollusca, Pteropoda)**

Abstract. The Commission has ruled that homonymy between the family names CLIONIDAE Rafinesque, 1815 (Mollusca) and CLIONIDAE d'Orbigny, 1851 (Porifera) is removed by changing the spelling of the junior homonym, and that the entire generic name *Cliona* Grant, 1826 (Porifera) is used to form the name CLIONAIDAE, leaving the stem of the senior homonym (based on the name *Clione* Pallas, 1774, Mollusca) unchanged.

Keywords. Nomenclature; taxonomy; CLIIDAE; CLIONAIDAE; CLIONIDAE; *Clio*; *Cliona*; *Clione*; *Clio pyramidata*; *Cliona celata*; *Clione borealis*; pteropods; boring sponges.

Ruling

- (1) Under the plenary power it is hereby ruled that:
 - (a) for the purposes of Article 29 of the Code the stem of the generic name *Cliona* Grant, 1826 is *Cliona*-;
 - (b) the type genus of the family CLIONIDAE Rafinesque, 1815 is *Clione* Pallas, 1774 and not *Clione* Rafinesque, 1815.
- (2) The following names are hereby placed on the Official List of Generic Names in Zoology:
 - (a) *Clio* Linnaeus, 1767, type species by subsequent designation by Gray (1847) *Clio pyramidata* Linnaeus, 1767 (Mollusca);
 - (b) *Clione* Pallas, 1774, type species by monotypy *Clione borealis* Pallas, 1774 (Mollusca);
 - (c) *Cliona* Grant, 1826, type species by monotypy *Cliona celata* Grant, 1826 (Porifera).
- (3) The following names are hereby placed on the Official List of Specific Names in Zoology:
 - (a) *pyramidata* Linnaeus, 1767, as published in the binomen *Clio pyramidata* (specific name of the type species of *Clio* Linnaeus, 1767) (Mollusca);
 - (b) *limacina* Phipps, 1774, as published in the binomen *Clio limacina* (senior synonym of *Clione borealis* Pallas, 1774, specific name of the type species of *Clione* Pallas, 1774) (Mollusca);
 - (c) *celata* Grant, 1826, as published in the binomen *Cliona celata* (specific name of the type species of *Cliona* Grant, 1826) (Porifera).
- (4) The following names are hereby placed on the Official List of Family-Group Names in Zoology:
 - (a) CLIONIDAE Rafinesque, 1815, type genus *Clione* Pallas, 1774 (Mollusca);
 - (b) CLIONAIDAE d'Orbigny, 1851, type genus *Cliona* Grant, 1826 (spelling emended by the ruling in (1) above) (Porifera);

- (c) CLIIDAE Jeffreys, 1869, type genus *Clio* Linnaeus, 1767 (nomen protectum Bouchet & Rocroi, 2005. *Malacologia*, **47**: 51) (Mollusca).
- (5) The name *Clione* Rafinesque, 1815 (a junior homonym of *Clione* Pallas, 1774, placed on the Official List of Generic Names in Zoology in (2)(b) above) ruled in (1)(b) above not to be the type genus of CLIONIDAE Rafinesque, 1815 (Mollusca) is hereby placed on the Official Index of Rejected and Invalid Generic Names in Zoology.
- (6) The name CLIONIDAE d'Orbigny, 1851 (an incorrect original spelling of CLIONAIDAE, as ruled in (1)(a) above) (Porifera) is hereby placed on the Official Index of Rejected and Invalid Family-Group Names in Zoology.

History of Case 3211

An application to remove homonymy between the family names CLIONIDAE Rafinesque, 1815 (Mollusca) and CLIONIDAE d'Orbigny, 1851 (Porifera) by changing the spelling of the junior homonym was received from Philippe Bouchet (*Muséum national d'Histoire naturelle, Paris, France*) and Klaus Rützler (*National Museum of Natural History, Smithsonian Institution, Washington, DC, U.S.A.*) on 2 July 2001. After correspondence the case was published in BZN **60**: 99–102 (June 2003). The title, abstract and keywords of the case were published on the Commission's website. A comment requesting that additional names be taken into consideration was published in BZN **61**: 167–169 to which one of the authors replied in BZN **62**: 84–86.

Decision of the Commission

On 1 September 2005 the members of the Commission were invited to vote on the proposals published in BZN **60**: 100–101 as emended on the voting paper. At the close of the voting period on 1 December 2005 the votes were as follows:

Affirmative votes – 21: Alonso-Zarazaga, Bock, Bouchet, Brothers, Calder, Fortey, Halliday, Kerzhner, Lamas, Macpherson, Mahnert, Mawatari, Minelli, Ng, Nielsen, Papp, Patterson, Rosenberg, Song, Štys and van Tol.

Negative votes – none.

Comments by Alonso-Zarazaga, Calder, Kerzhner and van Tol, agreed by Bouchet, are taken into consideration by corrections given in this Opinion.

Original references

The following are the original references to the names placed on Official Lists and Indexes by the ruling given in the present Opinion:

celata, *Cliona*, Grant, 1826, *The Edinburgh New Philosophical Journal*, **1826**: 78.

Clio Linnaeus, 1767, *Systema Naturae*, Ed. 12, vol. 1, p. 1094.

CLIIDAE Jeffreys, 1869, *British conchology*, vol. 5, p. 118.

Cliona Grant, 1826, *The Edinburgh New Philosophical Journal*, **1826**: 78.

CLIONAIDAE d'Orbigny, 1851, *Cours élémentaire de paléontologie et de géologie stratigraphiques*, vol. 2, p. 209.

Clione Pallas, 1774, *Spicilegium Zoologicum*, vol. 1, fasc. 10, p. 28.

CLIONIDAE d'Orbigny, 1851, *Cours élémentaire de paléontologie et de géologie stratigraphiques*, vol. 2, p. 209.

CLIONIDAE Rafinesque, 1815, *Analyse de la Nature ou tableau de l'univers et des corps organisés*, p. 141.

limacina, *Clio*, Phipps, 1774, *A voyage towards the North Pole undertaken by His Majesty's command 1773*, p. 195.

pyramidata, *Clio*, Linnaeus, 1767, *Systema Naturae*, Ed. 12, vol. 1, p. 1094.

The following is the reference for the designation of *Clio pyramidata* Linnaeus, 1767 as the type species of the nominal genus *Clio* Linnaeus, 1767 (type genus of the family CLIIDAE Jeffreys, 1869):

Gray, J.E. 1847. *Proceedings of the Zoological Society of London*, **15**: 203.



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