

OPINION 2020 (Case 3078)***Diastylis* Say, 1818 (Crustacea, Cumacea): *Cuma rathkii* Krøyer, 1841 designated as type species**

Abstract. The Commission has designated *Cuma rathkii* Krøyer, 1841 as the type species of the cumacean genus *Diastylis* Say, 1818, replacing *D. arenarius* Say, 1818, the original type species. The original material of *D. arenarius* is lost and the taxon is not identifiable from its description.

Keywords. Nomenclature; taxonomy; Crustacea; Cumacea; DIASTYLIDAE; *Diastylis*; *Diastylis rathkii*.

Ruling

- (1) Under the plenary power all previous fixations of type species for the nominal genus *Diastylis* Say, 1818 are hereby set aside and *Cuma rathkii* Krøyer, 1841 is designated as the type species.
- (2) The name *Diastylis* Say, 1818 (gender: feminine), type species by designation in (1) above *Cuma rathkii* Krøyer, 1841, is hereby placed on the Official List of Generic Names in Zoology.
- (3) The name *rathkii* Krøyer, 1841, as published in the binomen *Cuma rathkii* (specific name of the type species of *Diastylis* Say, 1818) and defined by the lectotype in the Zoological Museum of the University of Copenhagen ZMUC-CRU-7936, is hereby placed on the Official List of Specific Names in Zoology.

History of Case 3078

An application to designate *Cuma rathkii* Krøyer, 1841 as the type species of the genus *Diastylis* Say, 1818 was received from Sarah Gerken (*Darling Marine Center, University of Maine, Walpole, Maine, U.S.A.*) on 20 January 1998. After correspondence the case was published in BZN 56: 174–176 (September 1999).

A comment in support of the application from L.B. Holthuis (*Nationaal Natuurhistorisch Museum, Leiden, The Netherlands*) (BZN 57: 45–46) pointed out that the doubtful identity of the type species of *Diastylis* ‘has been known for a long time’ and that ‘the most suitable type species would be *Cuma rathkii* Krøyer, 1841’. Holthuis also pointed out that, although para. 1 of the application stated that *D. arenarius* is the type species by monotypy, Say (1818, pp. 315–316) indicated that three nominal species were included in the genus. The first fixation of a type species was by Fowler (1912, p. 534) who cited *D. arenarius* in the belief that the genus was originally monotypic. As the type material consists of several specimens from the two localities (mentioned in para. 5) Holthuis considered that it would be advisable to select a lectotype for *C. rathkii* in case the existing syntypes are found to represent more than one taxon. A lectotype for the nominal species *C. rathkii* Krøyer, 1841 (specimen ZMUC-CRU-7936 in Copenhagen) was designated by Gerken in BZN 58: 305 in reply to the comment by L.B. Holthuis.

Decision of the Commission

On 1 September 2002 the members of the Commission were invited to vote on the proposals published in *BZN* **56**: 175.

At the close of the voting period on 1 December 2002 the votes were as follows: 25 Commissioners voted FOR the proposals, no Commissioners voted AGAINST, no votes were received from Böhme and Dupuis, Ng was on leave of absence.

Original references

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

Diastylis Say, 1818, *Journal of the Academy of Natural Sciences of Philadelphia*, **1**(11): 313.
rathkii, Cuna, Kroyer, 1841, *Naturhistorisk Tidsskrift*, **3**(6): 513.