



Designation of *Pseudobiotus kathmanae* Nelson, Marley & Bertolani, 1999 as the type species for the genus *Pseudobiotus* Nelson, 1980 (Tardigrada)

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Abstract

The contents of the application to the International Commission of Zoological Nomenclature, case 3017, are presented with an explanation of how its publication fell between the third and fourth editions of the Code. In so doing, the genus *Pseudobiotus* Nelson, 1980 (*In*: Schuster, Nelson, Grigarick & Christenberry, 1980) was left without a type species, which is hereby designated under article 70 of the fourth edition of the code.

Key words: nomenclature, taxonomy, *Thulinia*, *Thulinus*, *Pseudobiotus*, Tardigrada, ICZN

Introduction

In June 1996 the secretariat for the International Commission on Zoological Nomenclature (ICZN) acknowledged the receipt of an application, designated as case 3017, Anon., 1996. Under Article 80 of the third edition of the Code (ICZN, 1985), existing usage was to be maintained until a ruling of the Commission was published. The aim of this application was to ask the Commission to designate a new type species for *Pseudobiotus* Nelson, 1980 (*In*: Schuster, Nelson, Grigarick & Christenberry, 1980), following the discovery of the misidentification of the original type. The full publication of case 3017 was then delayed until the relevant papers to the application were all published, Nelson *et al.* (1999) and Bertolani *et al.* (1999). Additionally the case was then held pending the publication of the fourth edition of the Code because of relevant changes to Article 70. The fourth edition of the Code (ICZN, 1999) came into effect on 01 January 2000. Case 3017 then became unnecessary for the Commission to see and was left unpublished and without an Opinion from the Commission, and this resulted in *Pseudobiotus* having no designated type species. To rectify this situation the details of case 3017 are briefly presented here with a newly designated type species for the genus.

Taxonomic account

The nominal species *Macrobotus augusti* Murray, 1907 was established for specimens from Scotland (Murray, 1907: 660, Pl. IV, figs. 25a–d) [See Fig. 1]. Subsequently this nominal species was redescribed and/or transferred to a number of other taxa during various revisions of the phylum Tardigrada.

Marcus (1928: 194, fig. 239) transferred *M. augusti* to the genus *Hypsibius*. Thulin (1928: 239–240) described a new genus, *Isohypsibius*, with the type species *Isohypsibius prosostomus* Thulin, 1928 in the