Case 3198

_Heteromesus_ Richardson, 1908 (Crustacea, Isopoda): proposed designation of _H. granulatus_ Richardson, 1908 as the type species

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Abstract. The purpose of this application is to conserve the accustomed usage of the marine isopod genus _Heteromesus_ Richardson, 1908 (family _Ischnomesidae_), which currently contains 12 species. In 1962 _Ischnosoma thomsoni_ Beddard, 1886 was designated as the type species, but this has the characters of the genus _Haplomesus_ Richardson, 1908. It is proposed that _Heteromesus granulatus_ Richardson, 1908 should be designated as the type species of _Heteromesus._

Keywords. Nomenclature; taxonomy; Crustacea: Isopoda; Ischnomesidae; Heteromesus; Haplomesus; _Heteromesus granulatus_; Haplomesus thomsoni; marine.

1. Sars (1866, p. 115) established the genus _Ischnosoma_ for a new species of deep-sea isopod, _I. bispinosum_. Richardson (1908, p. 81) divided the six species then included in _Ischnosoma_ among four new genera: _Ischnomesus_ (a replacement name for _Ischnosoma_ Sars, a junior homonym of the name _Ischnosoma_ as used twice in 1829 for genera of fish and beetles), _Haplomesus_, _Heteromesus_ and _Rhabdomesus._

2. The type species of _Ischnomesus_ is _Ischnosoma bispinosum_ Sars, 1866 (Article 67.8 of the Code), and that of _Haplomesus_ is _Ischnosoma quadrispinosus_ Sars, 1879 (p. 432) by monotypy. Richardson (1908) included five species in her genus _Heteromesus_: _Ischnosoma thomsoni_ Beddard, 1886 (p. 169, fig. 1), _I. spinosum_ Beddard, 1886, _I. greeni_ Tattersall, 1906 and the two new species _Heteromesus granulatus_ (p. 82, figs. 14–18) and _H. spinescens_ (p. 83, fig. 19). No type species was selected for _Heteromesus._

3. In a revision of many crustacean families, Hansen (1916) synonymised _Rhabdomesus_ with _Ischnomesus_. Hansen placed _Ischnomesus_, _Haplomesus_ and _Heteromesus_ in a new family-group taxon, the _Ischnomesini_ (p. 54), which has subsequently been used at family rank. Hansen’s diagnoses of these genera (pp. 56, 59 and 66 respectively) are widely accepted today.

4. Birstein (1960, p. 6) transferred _Ischnosoma thomsoni_ from _Heteromesus_ to _Haplomesus_, and included in the latter genus the two new species _Haplomesus brevispinis_ (p. 11, fig. 7) and _Haplomesus cornutus_ (p. 12, figs. 8, 9); see also Birstein (1963). Wolff (1962) referred to the type specimen of _Ischnosoma thomsoni_ in The Natural History Museum, London, and supported Birstein’s placement of this
species in *Haplomesus*. The taxonomic differences between *Haplomesus* and *Heteromesus* given by Richardson (1908) and Hansen (1916) have formed the basis of the keys (Wolff, 1962; Menzies, 1962) to genera and species which are in current use.

5. Twelve species belong to *Heteromesus* as now understood, the most recently described being *H. wolffi* and *H. dracili* Chardy, 1974 (p. 1543, figs. 4, 5 and p. 1546, figs. 6, 7). *Heteromesus* has appeared in other recent works on the taxonomic diversity and ecology of the deep sea (e.g. Menzies, George & Rowe, 1973; Wolff, 1976; Gooday, 1984; Thistle & Wilson, 1987; Kussakin, 1988; Svavarsson, Strömberg & Brattegard, 1993; Svavarsson & Davidsdóttir, 1994; Brandt, 1997).

6. Although Birstein (1960) had transferred *Ischnosoma thomsoni* Beddard, 1886 from *Heteromesus* to *Haplomesus*, a placement supported by Wolff (1962) (see para. 4 above) and by later authors. Menzies (1962, p. 121) designated *I. thomsoni* as the type species of *Heteromesus*. This action effectively made *Heteromesus* a subjective synonym of *Haplomesus* and, if accepted, would leave the 12 species currently thought to belong to *Heteromesus* outside any named genus.

7. No authors have referred to Menzies’ (1962) designation of *I. thomsoni* as the type species for *Heteromesus*. His action would require the creation of a new generic name for what is currently accepted as *Heteromesus*. In order to preserve current usage and avoid instability or confusion we propose, under Article 70.2 of the Code, that *I. thomsoni* should be set aside as the type species and be replaced by the originally included species *Heteromesus granulatus* Richardson, 1908. The holotype of *H. granulatus*, from south of Martha’s Vineyard, Massachusetts, U.S.A., is specimen No. 38969 in the U.S. National Museum of Natural History, Washington, D.C.

8. The International Commission on Zoological Nomenclature is accordingly asked:

1. to use its plenary power to set aside all previous fixations of type species for the nominal genus *Heteromesus* Richardson, 1908 and to designate *Heteromesus granulatus* Richardson, 1908 as the type species;

2. to place on the Official List of Generic Names in Zoology the name *Heteromesus* Richardson, 1908 (gender: masculine), type species by designation in (1) above *Heteromesus granulatus* Richardson, 1908;

3. to place on the Official List of Specific Names in Zoology the name *granulatus* Richardson, 1908, as published in the binomen *Heteromesus granulatus* (specific name of the type species of *Heteromesus* Richardson, 1908).

Acknowledgement

We thank Dr G.D.F. Wilson for his comments on this proposal.

References


Comments on this case are invited for publication (subject to editing) in the *Bulletin*; they should be sent to the Executive Secretary, I.C.Z.N., c/o The Natural History Museum, Cromwell Road, London SW7 5BD, U.K. (e-mail: iczn@nhm.ac.uk).