

## NEW FAMILY AND GENUS NAMES, BRIGGSIDAE NOM. NOV. AND *BRIGGSUS* NOM. NOV., FOR THE HARVESTMEN (OPILIONES: LANIATORES)

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[Özdikmen, H. & Demir, H. 2008. New family and genus names, Briggsidae nom. nov. and *Briggsus* nom. nov., for the harvestmen (Opiliones: Laniatores). Munis Entomology & Zoology 3 (1): 174-176]

ABSTRACT: A junior homonym was detected amongst the harvestmen genus group names and the following replacement name is proposed: *Briggsus* nom. nov. for *Pentanychus* Briggs, 1971. Accordingly, new combinations are herein proposed for the species currently included in this genus. *Briggsus bilobatus* (Briggs, 1971) comb. nov.; *Briggsus clavatus* (Briggs, 1971) comb. nov.; *Briggsus flavescens* (Briggs, 1971) comb. nov.; *Briggsus hamatus* (Briggs, 1971) comb. nov. and *Briggsus pacificus* (Briggs, 1971) comb. nov. In addition, we propose the replacement name Briggsidae new name for the family name Pentanychidae.

KEY WORDS: nomenclatural change, homonymy, replacement name, Pentanychidae, *Pentanychus*.

### Remarks on nomenclatural change

The genus group name *Pentanychus* was proposed by Wainstein (1960) with the type species *Tetranychus fijiensis* Hirst, 1924 by original designation. For the present, *Pentanychus* Wainstein, 1960 is one of the four subgenera of genus *Tetranychus* Dufour, 1832 in the subfamily Tetranychinae (Arachnida: Acari: Acariformes: Prostigmata: Eleutherengona: Tetranychoidae: Tetranychidae). It is currently a valid generic name in the family Tetranychidae (e. g. Daniel, 1978; Bolland et al., 1998; Flechtmann & Knihinicki, 2002). The subgenus includes only 1 species as the type. The geographical range for *T. fijiensis* was noted by Bolland et al. (1998) and Flechtmann & Knihinicki (2002) as the Caroline Islands, Fiji, Hainan Island, Kiribati, Malaysia, Mariana Islands, Marshall Islands, New Caledonia, Papua New Guinea, Philippines, Seychelles, Taiwan, Thailand and Australia.

The Nearctic genus *Pentanychus* was described by Briggs (1971) with the type species *Pentanychus hamatus* Briggs, 1971 by original designation from Oregon (USA) in the family Pentanychidae (Opiliones: Laniatores: Insidiatores: Travunioidea). The name is currently used as a valid generic name in Laniatores as the type genus of the family Pentanychidae Briggs, 1971. The family includes two genera as monotypic genus *Isolachus* Briggs, 1971 and the type genus *Pentanychus* Briggs, 1971. Later genus includes five species from USA. Both usages of the name *Pentanychus* are listed by Edwards & Vevers (1975) and Edwards & Tobias (1993).

However, the name *Pentanychus* Briggs, 1971 is invalid under the rule of homonymy, being a junior homonym of *Pentanychus* Wainstein, 1960. Under the International Code of Zoological Nomenclature (ICZN 1999) it must be rejected and replaced. In accordance with article 60 of the International Code of Zoological Nomenclature, fourth edition (1999), we propose to substitute the junior homonym *Pentanychus* Briggs, 1971 for the nomen novum *Briggsus*.

As a result of this, *Pentanychus* Briggs, 1971 is replaced with *Briggsus* new name. The following new combination is established: *Briggsus hamatus* (Briggs, 1971) new combination, along with four other new combinations for all five valid species currently included in *Pentanychus* (Opiliones).

In addition to this, we herein propose the replacement name Briggsidae new name for the family name Pentanychidae because its type genus *Pentanychus* Briggs, 1971 is invalid and the type genus of a family-group name must be valid.

## SYSTEMATICS

Order Opiliones

Family **Briggsidae** new name

Pentanychidae Briggs, 1971: 169

**Type genus.**— *Briggsus* new name.

**Remarks.**—The name *Pentanychus* has been used in Opiliones as a stem for a family-group name, and should be automatically replaced with the new name.

Genus **Briggsus** new name

*Pentanychus* Briggs, 1971: 169, junior homonym of *Pentanychus* Wainstein, 1960.

**Type species.**— *Pentanychus hamatus* Briggs, 1971 by original designation.

**Etymology.**— from Thomas S. Briggs who current author name of the preexisting genus *Pentanychus*.

**Species account and distribution.** — Five species; known from USA (Oregon and Washington).

The following new combinations are proposed and the species is removed from *Paulianodes*:

*Briggsus bilobatus* (Briggs, 1971) **new combination**

Syn.: *Pentanychus bilobatus* Briggs, 1971

Range: USA (Oregon).

*Briggsus clavatus* (Briggs, 1971) **new combination**

Syn.: *Pentanychus clavatus* Briggs, 1971

Range: USA (Oregon).

*Briggsus flavescens* (Briggs, 1971) **new combination**

Syn.: *Pentanychus flavescens* Briggs, 1971

Range: USA (Oregon).

*Briggsus hamatus* (Briggs, 1971) **new combination**

Syn.: *Pentanychus hamatus* Briggs, 1971

Range: USA (Oregon).

*Briggsus pacificus* (Briggs, 1971) **new combination**

Syn.: *Pentanychus pacificus* Briggs, 1971

Range: USA (Washington).

#### LITERATURE CITED

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