

OPINION 2071 (Case 3227)***Geophilus brevilabiatus* Newport, 1845 (currently *Orphnaeus brevilabiatus*) and *Chomatobius brasilianus* Humbert & Saussure, 1870 (currently *O. brasilianus*) (Chilopoda): specific names conserved**

Abstract. The Commission has ruled that the specific names of *Geophilus brevilabiatus* Newport, 1845 and *Chomatobius brasilianus* Humbert & Saussure, 1870 for two widely distributed species of geophilomorph centipedes (family ORYIDAE) are conserved by suppressing the name *Scolopendra phosphorea* Linnaeus, 1758 (a senior synonym of *G. brevilabiatus*) and two senior synonyms of *G. brasilianus*: *G. lineatus* and *G. whitei*, both of Newport (1845).

Keywords. Nomenclature; taxonomy; Chilopoda; Geophilomorpha; ORYIDAE; *Scolopendra phosphorea*; *Orphnaeus brevilabiatus*; *Orphnaeus brasilianus*; *Orphnaeus lineatus*; *Orphnaeus whitei*; geophilomorph centipedes; pantropical.

Ruling

- (1) Under the plenary power it is hereby ruled that the following specific names are suppressed for the purposes of the Principle of Priority but not for those of the Principle of Homonymy:
 - (a) *phosphorea* Linnaeus, 1758, as published in the binomen *Scolopendra phosphorea*;
 - (b) *lineatus* Newport, 1845, as published in the binomen *Geophilus lineatus*;
 - (c) *whitei* Newport, 1845, as published in the binomen *Geophilus whitei*.
- (2) The name *Orphnaeus* Meinert, 1870 (gender: masculine), type species by subsequent designation by Crabill (1968) *Orphnaeus lividus* Meinert, 1870 (a junior subjective synonym of *Geophilus brevilabiatus* Newport, 1845) is hereby placed on the Official List of Generic Names in Zoology.
- (3) The following names are hereby placed on the Official List of Specific Names in Zoology:
 - (a) *brevilabiatus* Newport, 1845, as published in the binomen *Geophilus brevilabiatus* (senior subjective synonym of *Orphnaeus lividus* Meinert, 1870, the type species of *Orphnaeus* Meinert, 1870);
 - (b) *brasilianus* Humbert & Saussure, 1870, as published in the binomen *Chomatobius brasilianus*.
- (4) The following names are hereby placed on the Official Index of Rejected and Invalid Specific Names in Zoology:
 - (a) *phosphorea* Linnaeus, 1758, as published in the binomen *Scolopendra phosphorea* and as suppressed in (1)(a) above;
 - (b) *lineatus* Newport, 1845, as published in the binomen *Geophilus lineatus* and as suppressed in (1)(b) above;
 - (c) *whitei* Newport, 1845, as published in the binomen *Geophilus whitei* and as suppressed in (1)(c) above.

History of Case 3227

An application to conserve the specific names of *Geophilus brevilabiatus* Newport, 1845 and *Chomatobius brasilianus* Humbert & Saussure, 1870 for two widely distributed species of geophilomorph centipedes (family ORYIDAE) by suppressing *Scolopendra phosphorea* Linnaeus, 1758, a senior synonym of *G. brevilabiatus*, and two senior synonyms of *C. brasilianus*: *G. lineatus* and *G. whitei*, both of Newport (1845) was received from Donatella Foddai and Alessandro Minelli (*Università degli Studi di Padova, Padova, Italy*) and Luis Alberto Pereira (*Universidad Nacional de La Plata, La Plata, R. Argentina*) on 21 March 2001. After correspondence the case was published in BZN 59: 85–89 (June 2002). The title, abstract and keywords of the case were published on the Commission's website. No comments on this case were received.

Decision of the Commission

On 1 September 2003 the members of the Commission were invited to vote on the proposals published in BZN 59: 87–88. At the close of the voting period on 1 December 2003 the votes were as follows: 20 Commissioners voted FOR the proposals, 1 Commissioner (van Tol) voted AGAINST, and 1 Commissioner (Bouchet) voted FOR proposals (1)(a), (3)(a) and (4)(a), AGAINST proposals (1)(b), (3)(b) and (4)(b) and (c) and abstained in proposal (2), no vote was received from Eschmeyer. Böhme and Patterson were on leave of absence.

Bouchet pointed out that the names *Geophilus lineatus* and *G. whitei* Newport, 1945 were not forgotten and type material existed for both, allowing an unambiguous application of the names. The application failed to mention whether type material of *Chomatobius brasilianus* Humbert & Saussure, 1870 existed. A total of fifteen citations was not a strong enough case to use the plenary power to set aside the Principle of Priority and conserve the name *Chomatobius brasilianus*.

Original references

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

- brasilianus*, *Chomatobius*, Humbert & Saussure, 1870, *Revue et Magasin de Zoologie Pure et Appliquée*, (2)22: 205.
- brevilabiatus*, *Geophilus*, Newport, 1845, *Transactions of the Linnean Society of London*, 19(9): 436.
- lineatus*, *Geophilus*, Newport, 1845, *Transactions of the Linnean Society of London*, 19(9): 436.
- Orphnaeus* Meinert, 1870, *Naturhistorisk Tidsskrift*. (3)7: 17
- phosphorea*, *Scolopendra*, Linnaeus, 1758, *Systema Naturae*, Ed. 10, vol. 1, p. 638.
- whitei*, *Geophilus*, Newport, 1845, *Transactions of the Linnean Society of London*, 19(9): 436.

The following is the reference for the designation of *Orphnaeus lividus* Meinert, 1870 as the type species of *Orphnaeus* Meinert, 1870:

- Crabill, R.E., Jr. 1968. *Entomological News*, 79: 109.