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### Importance: nomenclatural action to restrict the submission of superfluous generic names

### *Tomogonopus* (Diplopoda, Spirostreptida, Spirostreptidae) a replacement name for *Umbraticus* Özdikmen, 2009 (Spirostreptida, Spirostreptidae)

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*Tomogonopus* nomen novum Sierwald & Mauriès is introduced as a replacement for *Tomogonus* Demange, 1971 (pre-occupied by *Tomogonus* D'Orbigny, 1904, Coleoptera) for an African millipede genus from Sierra Leone (Spirostreptida, Spirostreptidae). A previously introduced generic replacement name, *Umbraticus* Özdikmen, 2009 (pre-occupied by *Umbraticus* Voet, 1806, Coleoptera), is invalid. Currently, *Tomogonopus* **n. gen.** contains six species, all forming new combinations.

The spirostreptid genus *Tomogonus* Demange, 1971 was described for a group of millipede species from Sierra Leone, Africa. In subsequent publications, a total of six species were placed in the genus (Demange 1978; Demange & Mauriès 1978). The genus name *Tomogonus* is pre-occupied by *Tomogonus* D'Orbigny, 1904, a genus in the beetle family Scarabaeidae (see Nicolas 2002; Walter 2012), which was introduced as a subgenus of the dung beetle genus *Caccobius* Thomson, 1859.

A replacement name, *Umbraticus* Özdikmen, 2009, was introduced as a new name for the pre-occupied spirostreptid genus name *Tomogonus* Demange, 1971 [see Shelley & Golovatch 2015 for a discussion of replacement names by Özdikmen]. The generic name *Umbraticus* is pre-occupied by *Umbraticus* Voet, 1806, a genus possibly belonging to the beetle family Tenebrionidae (A. Newton, pers. com.). The authorship of that generic name may in fact be attributable to Bakhuisen, who continued Voet's work posthumously (fide Bousquet, 2016: 547). *Umbraticus* was described on page 81 (<http://biodiversitylibrary.org/page/4070153>), and its type species *Umbraticus niger* is figured on plate 50, figure A in Volume 2 of the *Catalogus Systematicus Coleopterorum* (see <http://biodiversitylibrary.org/page/4070024>). Although the genus-group name *Umbraticus* has not been frequently cited in the literature on Coleoptera, Crotch (1870: 213) stated that nothing “justifies ignoring Voet generic names, which are well founded, and in advance of his time.” *Umbraticus* Voet, 1805 is listed in Neave (1940: 610) and treated as an available name in the Nomenclator IRMNG (derived from the Nomenclator Zoologicus, <http://www.cmar.csiro.au/datacentre/irmng/>). Following Sherbon (1902: liv), Alonso-Zarazaga & Lyal (1999: 8) argued that Voet's work is not consistently binominal and rejected the proposed names therein. Bousquet (2016), in his detailed analysis of numerous works of the Coleoptera literature, agreed with Alonso-Zarazaga & Lyal. However, the affected generic names are not on the Official Index of suppressed names by the ICZN and to our knowledge no formal application has been made to the ICZN to suppress Voet's work.

*Umbraticus* Özdikmen, 2009 is a junior homonym of *Umbraticus* Voet, 1806 [or Bakhuisen, 1806] and invalid according to ICZN article 52. As a recently introduced name, it has not become a “long-accepted name” in the sense of ICZN article 23.9. A new replacement name for *Tomogonus* Demange, 1971 is required. We herewith introduce the name *Tomogonopus* nomen novum, which was selected to be close to the original name given by J.-M. Demange in the original description. We conducted an intensive search for the name *Tomogonopus* (and variant spellings) on the Global Names Index ([http://gni.globalnames.org/name\\_strings](http://gni.globalnames.org/name_strings)), GBIF (<http://www.gbif.org/>), and the electronic version of the entire Zoological Record (1864-2017) to ensure that the name *Tomogonopus* is not pre-occupied.

The following species are currently placed in the genus *Tomogonopus*:

*Tomogonopus implicatus* (Demange 1978) **comb. n.**

*Tomogonopus intortus* (Demange, 1971) **comb. n.**, type species by typification of replaced name  
*Tomogonopus involutus* (Demange & Mauriès, 1975) **comb. n.**  
*Tomogonopus lamottei* (Demange & Mauriès, 1975) **comb. n.**  
*Tomogonopus schubarti* (Demange & Mauriès, 1975) **comb. n.**  
*Tomogonopus subgrundus* (Demange, 1971) **comb. n.**

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## References

- Alonso-Zarazaga, M.A. & Lyal, C.H.C. (1999) *A world catalogue of families and genera of Curculionoidea (Insecta: Coleoptera) (excepting Scolytidae and Platypodidae)*. Entomopraxis, Barcelona, 315 pp.
- Bousquet, Y. (2016) Litteratura Coleopterologica (1758–1900): a guide to selected books related to the taxonomy of Coleoptera with publication dates and notes. *ZooKeys*, 583, 1–776.  
<https://doi.org/10.3897/zookeys.583.7084>
- Crotch, G.R. (1870) The genera of Coleoptera studied chronologically (1802–21). *Transactions of the Royal Entomological Society of London*, 18 (1870), 213–241.  
<https://doi.org/10.1111/j.1365-2311.1870.tb01875.x>
- Demange, J.-M. (1971) Le massif des Monts Loma. VII. Myriapodes Diplopodes. *Mémoires de l'Institut Français d'Afrique Noire*, 86, 191–240
- Demange, J.-M. (1978) Myriapodes Diplopodes de la région d'Abidjan (Forêt de Téké), Côte d'Ivoire - Description d'une espèce nouvelle. *Bulletin du Muséum national d'Histoire naturelle*, 3e série, Zoologie, 352 (513), 149–152.
- Demange, J.-M. & Mauriès, J.-P. (1975) Myriapodes - Diplopodes des Monts Nimba et Tonkoui (Cote d'Ivoire, Guinée) récoltés par M. Lamotte et ses collaborateurs de 1942 à 1961. *Annalen, Koninklijk Museum voor Midden-Afrik—Zoologische wetenschappen*, 212, 1–192.
- D'Orbigny, H. (1904) *Onthophagides africains* de la collection du Musée civique de Gênes. *Annali del Museo Civico di Storia Naturale di Genova*, 41, 253–331.
- GBIF (2017) Global Biodiversity Information Facility. Available from: <http://www.gbif.org/species>, <http://www.gbif.org/occurrence> (accessed 25 January 2017)
- gni (2017) Global Names Index. Available from: <http://gni.globalnames.org/> (accessed 25 January 2017)
- IRMNG (2017) Interim Register of Marine and Non Marine Genera. Available from : <http://www.cmar.csiro.au/datacentre/irmng/> (accessed 25 January 2017)
- ICZN (1999) *International Code of Zoological Nomenclature. Fourth Edition*. The International Trust for Zoological Nomenclature, London, UK. 306 pp.
- Neave, S.A. (1940) *Nomenclator zoologicus*. A list of the names of genera and subgenera in zoology from the tenth edition of Linnaeus 1758 to the end of 1935. Q-Z. 4, 754 pp.
- Nicolas, J.-L. (2002) Description d'un nouveau *Tomogonus* d'Orbigny du Kenya (Coleoptera Scarabaeidae). *Bulletin mensuel de la Société linnéenne de Lyon*, 71 (8), 292–294.  
<https://doi.org/10.3406/linly.2002.13411>
- Özdikmen, H. (2009) Substitute names for four preoccupied millipede genera (Diplopoda). *Munis Entomology and Zoology*, 4 (11), 180–183.
- Shelley, R.M. & Golovatch, S.I. (2015) *Nomenclator Generum et Familiarum Diplopodorum III*. A list of the genus-, family-, and ordinal-group names proposed in the Class Diplopoda from 1 January 2000–31 December 2014. *Arthropoda Selecta*, 24 (1), 1–26.
- Sherborn, C.D. (1902) *Index animalium sive index nominum quae ab A.D. MDCCLVIII generibus et speciebus animalium imposita sunt. Sectio prima. A Kalendis Ianuariis, MDCCLVIII usque ad finem Decembris, MDCCC*. Typographico Academico, Cantabrigiae. Lix + 1, 195 pp.  
<http://biodiversitylibrary.org/page/881524>
- Voet, J.E. (1806) *Catalogus systematicus coleopterorum. Catalogue systematique des coléoptères. Vol. 2. Systematische naamlijst van dat geslacht van insecten dat men torren noemt*. La Haye, G. Bakhuisen, pp. 1–87, plate index 1–20.  
Available from: <http://biodiversitylibrary.org/page/4070153>
- Walter, P. (2012) Deux nouvelles espèces de *Tomogonus* d'Orbigny (Coleoptera, Scarabaeidae). *Bulletin de la Société entomologique de France*, 117 (1), 37–40. Available from: <http://cat.inist.fr/?aModele=afficheN&cpsid=25900272> (Accessed 25 Jul. 2017)
- Zoological Record (2017) Thomson Reuters, electronic search of years 1864–2017 (accessed 25 January 2017)