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Replacement names for three genera of Notodelphyidae (Copepoda: Cyclopoida)

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Systematics

A recent monographic study of the copepod family Notodelphyidae from the Monniot collection housed in the Museum National d'Histoire Naturelle, Paris (Kim, I.H. & Boxshall, 2020) established 178 new species and 37 new genera. Subsequently it has been discovered that three of these new genera are preoccupied, namely *Diceratus* Kim I.H. & Boxshall, 2020, *Notopygus* Kim I.H. & Boxshall, 2020, and *Janius* Kim I.H. & Boxshall, 2020.

Diceratus Kim I.H. & Boxshall, 2020 was proposed as a new genus to accommodate the type and only species *Diceratus unidentatus* Kim I.H. & Boxshall, 2020. The genus name is preoccupied by *Diceratus* Mateus, 2008, proposed for a ceratopsid dinosaur (Mateus, 2008). *Diceratus* Mateus, 2008 is not currently recognised as valid since it was proposed as a replacement name for *Diceratops* Lull, 1905 but is superfluous as this name had already been replaced by *Nedoceratops* Ukrainsky, 2007 (Ukrainsky, 2009). It remains available. The replacement name *Diceratocopus* is proposed here for the notodelphyid copepod and the valid name of its type species becomes *Diceratocopus unidentatus* (Kim I.H. & Boxshall, 2020) **comb. nov**. *Diceratocopus* **gen. nov**. is derived from the Greek *di* meaning two, *ceratos* meaning horn, and *kope* meaning an oar.

The genus *Notopygus* Kim I.H. & Boxshall, 2020 contained the designated type species *Notopygus unispinatus* Kim I.H. & Boxshall, 2020, in addition to two other new species, *Notopygus trispinatus* Kim I.H. & Boxshall, 2020 and *Notopygus minutispinatus* Kim I.H. & Boxshall, 2020. The genus name is preoccupied by *Notopygus* Holmgren, 1855, proposed for an ichneumonid hymenopteran. There are, in addition, two other homonyms, *Notopygus* Kinberg, 1857, proposed for a polychaete annelid (Kinberg, 1857), and *Notopygus* Pomel, 1883, proposed for an echinoid echinoderm (Pomel, 1883). The replacement name *Notopygocopus* is proposed here and the name of its type species becomes *Notopygocopus unispinatus* (Kim I.H. & Boxshall, 2020) **comb. nov**. The other two species become *Notopygocopus trispinatus* (Kim I.H. & Boxshall, 2020) **comb. nov**. and *Notopygocopus minutispinatus* (Kim I.H. & Boxshall, 2020) **comb. nov**. *Notopygocopus* **gen. nov**. is derived from the Greek *Noto* meaning back, *pyg* meaning rear end, and *kope* meaning an oar.

Janius Kim I.H. & Boxshall, 2020 was proposed as a monotypic genus to accommodate *Prophioseides brevis* Stock, 1967 as its type species. Kim, I.H. & Boxshall (2020) removed *P. brevis* from *Prophioseides* Chatton & Brément, 1915 because the atypical structure of the mandible of this species required an unacceptable broadening of the generic diagnosis. The newly proposed genus name is preoccupied by *Janius* Havlícek, 1957, proposed for a cyrtiid brachiopod (Havlícek, 1957). The replacement name *Janhius* is proposed here and the valid name of its type species becomes *Janhius brevis* (Stock, 1967) **comb. nov**.

The discovery of these homonyms was greatly facilitated by reference to the on-line resource, the Interim Register of Marine and Nonmarine Genera (www.irmng.org).

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