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## A nomenclatorial confusion in Tanymastigidae (Crustacea: Branchiopoda: Anostraca)

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Brtek (1972) established the subfamily Tanymastiginae into Branchipodidae for the genus *Tanymastix* Simon, 1886 and his new genus *Tanymastigites*. Although the author did not explicitly designate a type genus, he created the subfamily name on the stem of the older genus that he included in his new subfamily. The name *Tanymastix* (in genitive singular, *Tanymastigis*: stem *Tanymastig-* and desinence *-is*) gives the subfamily name Tanymastiginae Brtek, 1972.

According to the International Code of Zoological Nomenclature (1999) in article 36.1, “A name established for a taxon at any rank in the family group is deemed to have been simultaneously established for nominal taxa at all other ranks in the family group; ...The name has the same authorship at every rank.” However, Weekers *et al.* (2002) declared the creation of the new family Tanymastigidae, as is named in Table 1, figures 1 and 2 and text of their paper, but also called Tanymastigiidae on page 543, for *Tanymastix* and *Tanymastigites*, regardless of ICZN article 36.1, which would establish Brtek as the author of the family group.

Later, the name of the family including those two genera reappeared in the literature under the name of Tanymastigitidae (Brendonck *et al.*, 2008), as if the name of the family group was based on the genus *Tanymastigites*, and the authorship of the name was assigned to Weekers, Murugan, Vanfleteren, Belk and Dumont, 2002 (Ahyong *et al.*, 2011).

The displacement to super or sub familial taxonomic levels inside the family group depends on the taxonomist's criterion; the stem of the original name is conserved, adding the corresponding desinence. The present case is that of a subfamily raised to a family level, according to the taxonomist's criterion, thus preserving the original name and authorship. Consequently, the name of the family group belongs to Brtek (1972), and it is not a recently created name.

Thus, the correct name is:

Tanymastigidae Brtek, 1972

Tanymastiginae Brtek, 1972

Tanymastigidae Weekers, *et al.*, 2002

Tanymastigiidae Weekers *et al.*, 2002

Tanymastigitidae Brendonck *et al.*, 2008; Ahyong *et al.*, 2011

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### References

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