SUBSTITUTE NAMES FOR SOME NEMATODA

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[Özdikmen, H. 2010. Substitute names for some Nematoda. Munis Entomology & Zoology 5 (2): 780-784**]**

ABSTRACT: Five junior homonyms were detected amongst the nematod genus group names and the following replacement names are proposed: *Novadelonema* nom. nov. for *Adelonema* Holovachov & Sturhan, 2003; *Aborjinia* nom. nov. for *Australonema* Tchesunov & Spiridonov 1985; *Mukhina* nom. nov. for *Brevistoma* Mukhina, 1981; *Mooleptus* nom. nov. for *Metaleptus* Machida, Ogawa & Okiyama, 1982 and *Paradoxostrongylus* nom. nov. for *Parastrongylus* Yin, Jiang & Kung, 1986. Accordingly, new combinations are herein proposed for the species currently included in these genera: *Novadelonema camerunense* (Holovachov & Sturhan, 2003) comb. nov. from *Adelonema camerunense* Holovachov & Sturhan, 2003 (Diplopeltidae), *Aborjinia eulagiscae* (Tchesunov & Spiridonov, 1985) comb. nov. from *Australonema eulagiscae* Tchesunov & Spiridonov, 1985 (Marimermithidae), *Mukhina elegans* (Mukhina, 1981) comb. nov. from *Brevistoma elegans* Mukhina, 1981 (Panagrolaimidae), *Mooleptus rabuka* (Machida, Ogawa & Okiyama, 1982) comb. nov. from *Metaleptus rabuka* Machida, Ogawa & Okiyama, 1982 (Physalopteridae) and *Paradoxostrongylus paradoxus* (Yin, Jiang & Kung, 1986) comb. nov. from *Parastrongylus paradoxus* Yin, Jiang & Kung, 1986 (Strongylidae).

KEY WORDS: nomenclatural change, homonymy, replacement names, Nematoda.

Five proposed genus names in Nematoda are nomenclaturally invalid, as the genus group names has already been used by a different authors in different animal groups. In accordance with Article 60 of the International Code of Zoological Nomenclature, I propose substitute names for these genus group names.

Family DIPLOPELTIDAE
Genus *NOVADELONEMA* nom. nov.

Adelonema Holovachov & Sturhan, 2003. Russ. J. Nematology, 11 (2): 63. (Nematoda: Diplopeltidae). Preoccupied by *Adelonema* Mawson, 1978. Transactions R. Soc. S. Aust., 102 (8): 223. (Nematoda: Oxyuridae).

Remarks on nomenclatural change: Firstly, the monotypic genus *Adelonema* was described by Mawson (1978) with the type species *Syphacia trichosuri* Johnston & Mawson, 1938. It is still used as an available valid genus name in the family Oxyuridae (Nematoda).

Subsequently, the genus *Adelonema* was established by Holovachov & Sturhan (2003) with the type species *Adelonema camerunense* Holovachov & Sturhan, 2003 by original designation and monotypy. Also, it is still used as a valid generic name in the family Diplopeltidae (Nematoda).

Thus the genus *Adelonema* Holovachov & Sturhan, 2003 is a junior homonym of the valid genus name *Adelonema* Mawson, 1978. So I propose here that

Adelonema Holovachov & Sturhan, 2003 should be replaced with the new name *Novadelonema*, as a replacement name.

Etymology: The name derived from the preexisting genus name.

Summary of nomenclatural changes:

Novadelonema **nom. nov.**
pro *Adelonema* Holovachov & Sturhan, 2003 (non Mawson, 1978)

Novadelonema camerunense (Holovachov & Sturhan, 2003) **comb. nov.**
from *Adelonema camerunense* Holovachov & Sturhan, 2003

Family MARIMERMITHIDAE
Genus *ABORJINIA* nom. nov.

Australonema Tchesunov & Spiridonov 1985. Vestnik Zool. 1985 (2): 17. (Nematoda: Marimermithidae). Preoccupied by *Australonema* Tassell, 1980. Record Queen Viet. Mus. No. 69: 9. (Mollusca: Gastropoda: Oriostomatidae).

Remarks on nomenclatural change: Firstly, the fossil gastropod genus *Australonema* was described by Tassell (1980). It is still used as an available valid genus name in the family Oriostomatidae (Mollusca: Gastropoda).

Subsequently, the genus *Australonema* was erected by Tchesunov & Spiridonov (1985) with the type species *Australonema eulagiscae* Tchesunov & Spiridonov, 1985 by original designation and monotypy. Also, it is still used as a valid generic name in the family Marimermithidae (Nematoda).

Thus the genus *Australonema* Tchesunov & Spiridonov, 1985 is a junior homonym of the valid genus name *Australonema* Tassell, 1980. So I propose here that *Australonema* Tchesunov & Spiridonov, 1985 should be replaced with the new name *Aborjinia*, as a replacement name.

Etymology: The name is dedicated to Aborjins whose are the Australian residents.

Summary of nomenclatural changes:

Aborjinia **nom. nov.**
pro *Australonema* Tchesunov & Spiridonov, 1985 (non Tassell, 1980)

Aborjinia eulagiscae (Tchesunov & Spiridonov, 1985) **comb. nov.**
from *Australonema eulagiscae* Tchesunov & Spiridonov, 1985

Family PANAGROLAIMIDAE
Genus *MUKHINA* nom. nov.

Brevistoma Mukhina, 1981. In Eroshenko & Belogurov [Eds] [Free living and phytopathogenic nematodes of the Far East fauna]. Akademiya Nauk SSSR, Vladivostock: 49. (Nematoda: Panagrolaimidae: Panagrellinae). Preoccupied by *Brevistoma* Tjeder, 1967. S.Afr.anim.Life 13: 369. (Insecta: Neuroptera: Nemopteridae).

Remarks on nomenclatural change: Firstly, the genus *Brevistoma* was described by Tjeder (1967). It is still used as an available valid genus name in the family Nemopteridae (Insecta: Neuroptera).

Subsequently, the genus *Brevistoma* was erected by Mukhina in Eroshenko & Belogurov (1982) with the type species *Brevistoma elegans* Mukhina, 1981 by original designation and monotypy. Also, it is still used as a valid generic name in the family Panagrolaimidae (Nematoda).

Thus the genus *Brevistoma* Mukhina, 1981 is a junior homonym of the valid genus name *Brevistoma* Tjeder, 1967. So I propose here that *Brevistoma* Mukhina, 1981 should be replaced with the new name *Mukhina*, as a replacement name.

Etymology: The name is dedicated to Z. M. Mukhina.

Summary of nomenclatural changes:

Mukhina **nom. nov.**
pro *Brevistoma* Mukhina, 1981 (non Tjeder, 1967)

Mukhina elegans (Mukhina, 1981) **comb. nov.**
from *Brevistoma elegans* Mukhina, 1981

Family PHYSALOPTERIDAE
Genus *MOOLEPTUS* nom. nov.

Metaleptus Machida, Ogawa & Okiyama 1982. Bulletin natn. Sci. Mus. Tokyo (Zool.) 8 (1): 3. (Nematoda: Physalopteridae: Physalopterinae). Preoccupied by *Metaleptus* Bates, 1872. Trans. ent. Soc. London, 1872, 192. (Insecta: Coleoptera: Cerambycidae: Cerambycinae).

Remarks on nomenclatural change: Firstly, the genus *Metaleptus* was described by Bates (1872) with the type species *Purpuricenus angulatus* Chevrolat, 1834. It is still used as an available valid genus name in the family Cerambycidae (Insecta: Coleoptera).

Subsequently, the genus *Metaleptus* was erected by Machida, Ogawa & Okiyama (1982) with the type species *Metaleptus rabuka* Machida, Ogawa & Okiyama, 1982 by original designation and monotypy. Also, it is still used as a valid generic name in the family Physalopteridae (Nematoda).

Thus the genus *Metaleptus* Machida, Ogawa & Okiyama, 1982 is a junior homonym of the valid genus name *Metaleptus* Bates, 1872. So I propose here that *Metaleptus* Machida, Ogawa & Okiyama, 1982 should be replaced with the new name *Mooleptus*, as a replacement name.

Etymology: The name derived from the capital letters of the current author names of the preexisting genus.

Summary of nomenclatural changes:

Mooleptus **nom. nov.**
pro *Metaleptus* Machida, Ogawa & Okiyama, 1982 (non Bates, 1872)

Mooleptus rabuka (Machida, Ogawa & Okiyama, 1982) **comb. nov.**
from *Metaleptus rabuka* Machida, Ogawa & Okiyama, 1982

Family STRONGYLIDAE
Genus *PARADOXOSTRONGYLUS* nom. nov.

Parastrongylus Yin, Jiang & Kung, 1986. Acta Zootaxonomica Sin 11 (2): 142. (Nematoda: Strongylidae: Strongylinae). Preoccupied by *Parastrongylus* Baylis, 1928. Parasitology, 20, 284, 285. (Nematoda: Angiostrongylidae: *Angiostrongylus*).

Remarks on nomenclatural change: Firstly, the subgenus *Parastrongylus* was described by Baylis (1928) with the type species *Angiostrongylus tateronae* Baylis, 1928. It is still used as an available valid subgenus name of the genus *Angiostrongylus* Kamensky, 1905 in the family Angiostrongylidae. The subgenus has 9 species.

Subsequently, the genus *Parastrongylus* was established by Yin, Jiang & Kung (1986) with the type species *Parastrongylus paradoxus* Yin, Jiang & Kung, 1986 by original designation and monotypy. Also, it is still used as a valid generic name in the family Strongylidae.

Thus the genus *Parastrongylus* Yin, Jiang & Kung, 1986 is a junior homonym of the valid genus group name *Angiostrongylus* (*Parastrongylus*) Baylis, 1928. So I propose here that *Parastrongylus paradoxus* Yin, Jiang & Kung, 1986 should be replaced with the new name *Paradoxostrongylus*, as a replacement name.

Etymology: The name derived from current binominal combination of the preexisting species, *Parastrongylus paradoxus*.

Summary of nomenclatural changes:

Paradoxostrongylus **nom. nov.**
pro *Parastrongylus* Yin, Jiang & Kung, 1986 (non Baylis, 1928)

Paradoxostrongylus paradoxus (Yin, Jiang & Kung, 1986) **comb. nov.**
from *Parastrongylus paradoxus* Yin, Jiang & Kung, 1986

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