

OPINION 1972

Strongylus tetracanthus* Mehlis, 1831 (currently *Cyathostomum tetracanthum*) and *C. catinatum* Looss, 1900 (Nematoda): conserved by the designation of a neotype for *C. tetracanthum

Keywords. Nomenclature; taxonomy; Nematoda; STRONGYLOIDEA; *Cyathostomum*; *Cyathostomum tetracanthum*; *Cyathostomum aegyptiacum*; *Cyathostomum catinatum*; nematodes; strongylid worms; cyathostomes; horse parasites.

Ruling

- (1) Under the plenary power all previous fixations of type specimens for the nominal species *Strongylus tetracanthus* Mehlis, 1831 are hereby set aside and the specimen no. 087757.00 in the U.S. National Parasite Collection, Beltsville, Maryland, collected by A. Looss in 1899, is designated as the neotype.
- (2) The name *Cyathostomum* Molin, 1861 (gender: neuter), type species by monotypy *Strongylus tetracanthus* Mehlis, 1831, 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) *tetracanthus* Mehlis, 1831, as published in the binomen *Strongylus tetracanthus* and as defined by the neotype designated in (1) above (specific name of the type species of *Cyathostomum* Molin, 1861);
 - (b) *catinatum* Looss, 1900, as published in the binomen *Cyathostomum catinatum*.
- (4) The following names are hereby placed on the Official Index of Rejected and Invalid Generic Names in Zoology:
 - (a) *Cylichnostomum* Looss, 1901 (a junior objective synonym of *Cyathostomum* Molin, 1861);
 - (b) *Cylicostomum* Railliet, 1901 (a junior objective synonym of *Cyathostomum* Molin, 1861).
- (5) The following names are hereby placed on the Official Index of Rejected and Invalid Specific Names in Zoology:
 - (a) *hexacanthum* Wedl, 1856, as published in the binomen *Sclerostoma hexacanthum* (a junior objective synonym of *Strongylus tetracanthus* Mehlis, 1831);
 - (b) *aegyptiacum* Railliet, 1923, as published in the binomen *Trichonema aegyptiacum* and as defined by the lectotype designated by Gibbons & Lichtenfels (1999) (a junior objective synonym of *Strongylus tetracanthus* Mehlis, 1831).

History of Case 3075

An application for the conservation of the specific names of *Strongylus tetracanthus* Mehlis, 1831 and *Cyathostomum catinatum* Looss, 1900 by the designation of a neotype for *S. tetracanthus* was received from Dr L.M. Gibbons (*The Royal*

Veterinary College, University of London, Hatfield, Herts, U.K.) and Dr J.R. Lichtenfels (Agricultural Research Service, U.S. Department of Agriculture, Beltsville, Maryland, U.S.A.) on 15 December 1997. After correspondence the case was published in BZN 56: 230–234 (December 1999). Notice of the case was sent to appropriate journals.

Decision of the Commission

On 1 December 2000 the members of the Commission were invited to vote on the proposals published in BZN 56: 233. At the close of the voting period on 1 March 2001 the votes were as follows:

Affirmative votes — 20: Alonso-Zarazaga, Bock, Bouchet (part), Brothers, Cogger, Eschmeyer, Kerzhner, Kraus, Lamas, Macpherson, Mahner, Martins de Souza, Minelli, Ng, Nielsen, Papp, Patterson, Rosenberg, Song, Štys

Negative votes — 1: Calder.

No votes were received from Dupuis, Mawatari and Ride.

Bouchet abstained from voting on proposal (5) on BZN 56: 233.

Ng commented: 'I support the case because the applicants consulted with Dr Hartwich, who designated the original lectotype for *Cyathostomum tetracanthum* (para. 9 of the application). Dr Hartwich supports the current proposals, and these also have the support of workers in the field (para. 10)'.

Original references

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

aegyptiacum, *Trichonema*, Railliet, 1923, *Annales de Parasitologie Humaine et Comparée*, **1**: 13.

catinatum, *Cyathostomum*, Looss, 1900, *Zentralblatt für Bakteriologie Parasitenkunde, Infektionskrankheiten und Hygiene*, Abteilung 1, Originale 1, **27**: 156.

Cyathostomum Molin, 1861, *Memorie del Reale Istituto Veneto di Scienze, Lettere ed Arti*, **9**: 453.

Cylichostomum Looss, 1901, *Records of the Egyptian Government School of Medicine*, Cairo, **1**: 36, 86.

Cylicostomum Railliet, 1901, *Echo Vétérinaire* (Liège), **30**(1): 40.

hexacanthum, *Sclerostoma*, Wedl, 1856, *Sitzungsberichte der Akademie der Wissenschaften, Mathematisch-Naturwissenschaftliche Classe*, **19**: 53.

tetracanthus, *Strongylus*, Mehlis, 1831, *Isis von Oken*, **24**: 79.

The following is the reference for the designation of the lectotype of *Trichonema aegyptiacum* Railliet, 1923:

Gibbons, L.M. & Lichtenfels, J.R. 1999. BZN 56: 232.