LEPTOSOMATIDAE IN AVES AND NEMATODA: REQUEST TO PLACE LEPTOSOMIDAE BLYTH, 1838 AND LEPTOSOMATIDAE FILIPJEV, 1916 ON THE OFFICIAL LIST OF FAMILY-GROUP NAMES IN ZOOLOGY. Z.N.(S.) 1975

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The family-group name LEPTOSOMATIDAE is currently utilized in both AVES (Coraciiformes) and NEMATODA (Enoplida). The name is based on different type-genera and the International Commission is requested to place the valid names on the Official List of Family-Group Names in Zoology. The details of the case are as follows.

USE OF LEPTOSOMATIDAE IN AVES

The first person who created a subfamily-name LEPTOSOMINAE on the basis of the generic name Leptosomus Vieillot, 1816 (Aves) was Blyth, 1838, in The Magazine of Natural History, and Journal of Zoology, Botany, Mineralogy, Geology, and Meteorology, 2nd series, volume 2, p. 421.

Ch. L. Bonaparte, 1850, Conspectus generum avium, raised the name to the full family rank—LEPTOSOMIDAE—on page 96 of volume I, listed as No. 18 and had repeated the subfamily name as No. 36. From page 97 onwards Bonaparte began to date every issue of eight pages and has dated page 97 with 1849. Therefore, the date of publication of LEPTOSOMIDAE may be either 1849 or 1850. There does not seem to be any evidence that the parts were issued before 1st June 1850 and therefore the year of publication may be considered as 1850.

Bonaparte listed the genus Leptosoma Vieillot (sine anno) under the family name and at the same time enumerated synonyms; one of which was Leptosomus Vieillot. Among the synonyms of specific names was discolor Hermann, 1783. Bonaparte's use of Leptosoma may be considered either as an unjustified emendation or an incorrect spelling as Vieillot created the name Leptosomus (1816, Analyse d'une nouvelle ornithologie élémentaire Paris: 28). Vieillot gave no specific name but gave a brief description of the vouroudriou of Madagascar. (Hermann refers in 1783, Tabula Affinitatum Animalium olim academico specimene edita: 186, to Buffon, Histoire naturelle des oiseaux, vol. 6, p. 395, where he too mentions the vouroudriou).

The generic name has been spelled both as Leptosoma and Leptosomus by subsequent authors. J. Cabanis and F. Heine, 1862, Museum Heineanum, part 4, p. 57 first used the name Leptosomus with the type-species discolor. P. L. Sclater in an article, 1865, Proc. Zool. Soc. 1865: 682, called “On the structure of Leptosoma discolor”, used the name Leptosoma Vieillot, although he confirmed that Vieillot in two of his works wrote Leptosomus. He also recognised Bonaparte’s family Leptosomidae.

O. Des Murs, 1860, Traité général d’oologie ornithologique: 530 used LEPTOSOMATINAE as family of the tribe CUCULIDAE (sic).


In 1896, A. Newton in “A dictionary of Birds” mentioned the names *Leptosomidae*, p. 374, and *Leptosomatidae*, p. 638 and 794; *Leptosomus* pp. 654, 794 and 1058 and *Leptosoma* pp. 739, 972 and 1072 (Index).

J. L. Peters (1945, *Checklist of birds of the world*, vol. 5: 293) has used the family-name *Leptosomatidae* with the genus *Leptosomus* Vieillot, 1816 and specific name *discolor* Hermann, 1783. The same names were also utilized by A. Landsborough Thomson, 1964, *A new dictionary of birds*: 150, 171 and 433.

A. Wetmore (1930, *A systematic classification for the birds of the world* and 1960, *A classification for the birds of the world*) has used *Leptosomatidae* and *Leptosoma*. He objects to the proposal of Mayr and Amadon (1951, *A classification of recent birds*, *Am. Mus. Novit.*, No. 1496) to include the rollers in one family, the *Coraciidae*, with three subfamilies, one of them being *Leptosomatinae*.

**USE OF LEPTOSOMATIDAE IN NEMATODA**


Therefore in the interests of stability and uniformity in nomenclature, the International Commission on Zoological Nomenclature, is asked:

1) to place the following names on the Official List of Generic Names in Zoology:

2) to place the following names on the Official List of Specific Names in Zoology:
   (a) *discolor* Hermann, 1783, as published in the binomen *Cuculus discolor* (type-species of *Leptosomus Vieillot*, 1816),
(b) elongatum Bastian, 1865, as published in the binomen Leptosomatum elongatum (type-species of Leptosomatum Bastian, 1865);

(3) to place the following names on the Official List of Family-Group Names in Zoology:
   (a) LEPTOSOMIDAE Blyth, 1838, type-genus Leptosomus Vieillot, 1816,
   (b) LEPTOSOMATIDAE Filipjev, 1916, type-genus Leptosomatum Bastian, 1865;

(4) to place Leptosoma Bonaparte, 1849 on the Official Index of Rejected and Invalid Generic Names in Zoology, being an incorrect subsequent spelling or unjustified emendation of Leptosomus Vieillot, 1816;

(5) to place the following name on the Official Index of Rejected and Invalid Family-Group Names in Zoology:
   (a) LEPTOSOMATICAE O. Des Murs, 1860, being an incorrect subsequent spelling or an unjustified emendation of LEPTOSOMINAE Blyth, 1838;

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