

Disteniinae Thomson (Insecta, Coleoptera): a protected name

Miguel A. Monné^{1,2} & Antonio Santos-Silva³

¹Museu Nacional, Universidade Federal do Rio de Janeiro, Quinta da Boa Vista, São Cristóvão, 20940-040 Rio de Janeiro-RJ, Brazil. monne@uol.com.br

²Bolsista do CNPq.

³Museu de Zoologia, Universidade de São Paulo, Av. Nazaré, 481, 04299-970 São Paulo-SP, Brazil. toncriss@uol.com.br

ABSTRACT. Disteniinae Thomson (Insecta, Coleoptera): a protected name. The name “Cométites” Blanchard, 1845 (= Cometinae) is considered *nomen oblitum*, and “Distenitae” Thomson, 1861 (=Disteniinae), *nomen protectum*, under the provisions of the Article 23.9 of the ICZN. Disteniinae is hereafter used as a valid family-group name.

KEYWORDS. Cerambycidae; Cométites; nomenclature; *nomen oblitum*; *nomen protectum*.

RESUMO. Disteniinae Thomson (Insecta, Coleoptera): um nome válido. O nome Cométites Blanchard, 1845 (=Cometinae) é considerado *nomen oblitum*, e “Distenitae” Thomson, 1861 (=Disteniinae), *nomen protectum*, conforme o Artigo 23.9 do ICZN. Disteniinae é doravante utilizado como um nome válido do grupo-família.

PALAVRAS-CHAVE. Cerambycidae; Cometites; nomenclatura; *nomen oblitum*; *nomen protectum*.

Blanchard (1845: 163) used the name “Cométites” for a group of genera within the family “Lepturides” in which included: *Distenia* Lepeletier & Audinet-Serville, 1825, *Phelocalocera* Blanchard, 1845, and *Cometes* Lepeletier & Audinet-Serville, 1825. Except for *Heteropalpus* Buquet, 1843 (genus not mentioned in Blanchard’s work), the “Cométites” included all genera known at that time and that currently belong to Disteniinae (Coleoptera, Cerambycidae). At the present time all these old family-group names received the appropriate suffixes, e. g. “Lepturides” Latreille, 1804 = subfamily Lepturinae, and the tribes of Blanchard (*l. cit.*) “Eburites” = Eburini, “Callichromites” = Callichromatini, “Xystrocérites” = Xystrocerini.

Thomson (1861: 181) named “Distenitae” for his fifth group (“Cerambycites Verae”), that included the genera *Distenia*, *Cometes* and *Noemia* Pascoe, 1856. The genus *Heteropalpus* was mentioned as probably belonging to the group. *Cyrtionops* White, 1853 was not included in Thomson’s work and *Dynamostes* Pascoe, 1857, mentioned at page 379, was not allocated in any group.

The definition of the level within the family-group has been a controversial issue since the century XIX. The following allocations are some examples: Disteniini (tribe of Cerambycinae, Cerambycidae) according to LeConte (1873: 323), LeConte & Horn (1883: 307), Plavilstshikov (1931:3), Saalas (1936: 51) and Blackwelder (1946: 557); Disteniinae subfamily of Cerambycidae, according to Knull (1946: 150), Kojima & Hayashi (1969: 6), Crowson (1955: 141), Quentin & Villiers (1980: 32) and Lawrence & Newton (1995: 787); Disteniidae family of Coleoptera, according to Mann & Crowson (1981: 738), Monné & Giesbert (1994: 301), Martins & Galileo (1994: 77), and Makihara *et al.* (2002: 190).

Santos-Silva & Hovore (2007) considered Disteniinae as *nomen protectum*, and “Cométites” as *nomen oblitum*.

However, the authors did not base the proposition in accordance with the Article 23.9 of the Code (ICZN 1999).

Although the name “Distenitae” is a junior synonym, the name “Cométites” was not used after 1869 (formally), having been mentioned a single time by Lacordaire (1869: 231) in a note. Then, the condition demanded concerning the lack of usage of a senior synonym after 1899 by Article 23.9.1.1 of the Code (ICZN *op.cit.*) is met.

To satisfy the requirements of the Article 23.9.1.2 of the Code (ICZN *op.cit.*), we present the following published works:

- Aldbauer, K. 2004. Neue Disteniidae und Cerambycidae aus Afrika und den Seychellen (Coleoptera). **Les Cahiers Magallanes** 37: 1–17. (p. 2: Disteniidae).
- Aurivillius, C. 1912. **Coleopterorum Catalogus**, pars 39, Cerambycinae. Berlin, W. Junk, 574 p. (p. 7: Disteniini).
- Boppe, P. L. 1921. **Genera Insectorum**, Fam. Cerambycidae: subfam. Disteniinae-Lepturinae P. Wytman, Bruxelles, 178, 1–119. (p. 2 : Disteniinae).
- Craighead, F. C. 1923. North American cerambycid-larvae. **Bulletin of the Canada Department of Agriculture** (n.s.) 27: 1–239. (p. 99: Disteniinae).
- Chemsak, J. A.; E. G. Linsley & F. A. Noguera. 1992. **Listados Faunísticos de México II. Los Cerambycidae y Disteniidae de Norteamérica, Centroamérica y las Indias Occidentales (Coleoptera)**. Universidad Nacional Autónoma de México, Instituto de Biología, México, 204 p. (p. 163: Disteniidae).
- Ehara, S. 1954. Comparative anatomy of male genitalia in some cerambycid beetles. **Journal of the Faculty of Agriculture, Hokkaido University**, Zoology 12(1/2): 61–115. (p. 70: Disteniinae).
- Ferreira, M. C. & G. V. Ferreira. 1959. Catálogo dos Cerambycídeos da Região Etiópica. II Parte – Supertribos Disteniina, Asemina, Cerambycina, Auxesina & Lepturina. **Memórias do Instituto de Investigações Científicas de Moçambique** 1: 77–398. (p. 77: Disteniina).
- Gahan, C. J. 1906. Coleoptera (Cerambycidae). **The Fauna of British India, including Ceylon and Burma**. C. T. Bingham London, xviii + 329 p. (p. 58: Disteniinae).
- Gressitt, J. L. 1940. The Longicorn beetles of Hainan Island Coleoptera:

- Cerambycidae. **Philippine Journal of Science** 72(1-2): 1–239. (p. 26: Disteniinae).
- Gressitt, J. L. & J. A. Rondon. 1970. Cerambycids of Laos (Disteniidae, Prioninae, Philinae, Aseminae, Lepturinae, Cerambycinae). **Pacific Insects Monograph** 24: 1–314. (p. 7: Disteniidae).
- Kaoru, M.; S. Sato & H. Miyata. 2002. Species diversity of longicorn beetles in humid warm-temperate forests: the impact of Forest management practices on old-growth Forest species in southwestern Japan. **Biodiversity and Conservation** 11: 1919–1937. (p. 1919: Disteniidae).
- Lawrence, J. F. 1991. **Order Coleoptera**. In: Stehr, F. W. (ed.). *Immature Insects*, Dubuque, Kendall/Hunt Publishing Co., 2: 144–298. (p. 234: Disteniinae).
- Lepesme, P. & S. Breuning. 1952. Note préliminaire sur la classification des Coléoptères Cerambycides. **Transactions of the IXth International Congress of Entomology** 1: 139–142. (p. 139: Disteniina).
- Linsley, E. G. 1962. The Cerambycidae of North America. Part III. Taxonomy and Classification of the subfamily Cerambycinae, Tribes Opsimini through Megaderini. **University of California Publications in Entomology** 20: 1–188. (p. 1: Disteniidae).
- Matsushita, M. 1933. Beitrag zur Kenntnis der Cerambyciden des Japanischen Reichs. **Journal of the Faculty of Agronomy, Hokkaido University** 34(2): 157–445. (p. 167: Disteniinae).
- Morvan, O. & J. Morati. 2006. Contribution à la connaissance des Cerambycidae de la montagne de Kaw, Guyane Française (Coleoptera). **Lambillionea** 106(3): 1–63. (p. 53: Disteniinae).
- Reid, C. A. M. 1995. A cladistic analysis of subfamilial relationships in the Chrysomelidae *sensu lato* (Chrysomeloidea). In: J. Pakaluk & S. A. Ćlipiński (Eds.). **Biology, Phylogeny, and Classification of Coleoptera. Papers Celebrating the 80th Birthday of Roy A. Crowson** 2: 559–1092. (p. 563: Disteniidae).
- Nakamura, S. 1981. Morphological and taxonomic studies of the Cerambycid pupae of Japan (Coleoptera: Cerambycidae). **Miscellaneous Reports of the Hiwa Museum for Natural History** 20: 1–159. (p. 13: Disteniinae).
- Saito, A. 1990. Female Reproductive Organs of Cerambycid Beetles from Japan and the Neighbouring Areas I. Philini through Atimiini. **Elytra** 18(2): 231–260. (p. 236: Disteniidae).
- Schiefer, T. L. 1998. A preliminary List of the Cerambycidae and Disteniidae (Coleoptera) of Mississippi. **Transactions of the American Entomological Society** 124(2): 113–131. (p. 128: Disteniidae).
- Švácha, P. & M. L. Danilevsky. 1987. Cerambycid Larvae of Europe and Soviet Union (Coleoptera, Cerambycoidea). Part I. **Acta Universitatis Carolinae – Biologica** 30(1-2): 1–176. (p. 33: Disteniidae).
- Švácha, P.; J.-J. Wang & S.-C. Chen. 1997. Larval morphology and biology of *Philus antennatus* and *Heterophilus punctulatus*, and systematic position of the Philinae (Coleoptera: Cerambycidae and Vesperidae). **Annales de la Société Entomologique de France** (N.S.) 33(3): 323–369. (p. 323: Disteniidae).
- Viana, M. J. 1972. Aporte al catálogo de Cerambycidae del Paraguay (Insecta, Coleoptera). **Revista del Museo Argentino de Ciencias Naturales Bernardino Rivadavia (Entomología)** 3(4): 207–405. (p. 234: Disteniini).
- Villiers, A. 1980. Insectes Coléoptères Cerambycidae. Disteniinae. **Faune de Madagascar** 52: 1–133. (p. 5: Disteniinae).
- Yanega, D. 1996. **Field Guide to Northeastern Longhorned Beetles (Coleoptera: Cerambycidae)**. Champaign, Illinois Natural History Survey, x + 174 p. (p. 25: Disteniinae).
- Conclusions. “Distenitae” Thomson, 1860 (=Disteniinae) is considered *nomen protectum*, and hereafter used as valid family-group name. “Cométites” Blanchard, 1845 (=Cometinae) on the other hand is *nomen oblitum*, consequently an invalid name.

REFERENCES

- Blackwelder, R. E. 1946. Checklist of the coleopterous insects of Mexico, Central America, the West Indies and South America. Part 4. **Bulletin of the United States National Museum** 185: 551–763.
- Blanchard, C. E. 1845. **Histoire des insectes, traitant de leurs moeurs et de leurs métamorphoses en général, et comprenant une nouvelle classification fondée sur leurs rapports naturels**. Paris, Didot (Ed.), 2: 1–524.
- Crowson, R. A. 1955. **The natural classification of the families of Coleoptera**. London, Nathaniel Lloyd, 187 p.
- ICZN. 1999. **International Code of Zoological Nomenclature**. London, 306 p.
- Kojima, K. & M. Hayashi. 1969. **Insect's life in Japan. Longicorn Beetles**. Osaka, Hoikusha Publishing, 1: 1–295.
- Knoll, J. N. 1946. The long-horned beetles of Ohio (Coleoptera, Cerambycidae). **Bulletin of the Ohio Biological Survey** 39: 133–354.
- Lacordaire, J. T. 1869. **Histoire Naturelle des Insectes. Genera des Coléoptères**. Paris, Librairie Encyclopédique de Roret, 8: 1–552.
- Lawrence, J. F. & A. F. Newton, Jr. 1995. Families and subfamilies of Coleoptera (with selected genera, notes, references and data on family-group names). In: **Biology, Phylogeny, and Classification of Coleoptera: Papers Celebrating the 80th Birthday of Roy A. Crowson**. Warszawa, Pakaluk, J. & S. A. Ćlipiński (Eds.), 2: 779–1007.
- LeConte, J. L. 1873. Classification of the Coleoptera of North America. Prepared for the Smithsonian Institution. Part II. **Smithsonian Miscellaneous Collections** 1: 279–348.
- LeConte, J. L. & G. H. Horn. 1883. Classification of the Coleoptera of North America. Prepared for the Smithsonian Institution. **Smithsonian Miscellaneous Collections** 26: xxxvii + 567 p.
- Makihara, H.; W. A. Noerdjito & Sugiarto. 2002. Longicorn beetles from Gunung Halim National Park, West Java, Indonesia from 1997–2002 (Coleoptera, Disteniidae and Cerambycidae). **Bulletin of the Forestry and Forest Products Research Institute** 1: 189–223.
- Mann, J. S. & R. A. Crowson. 1981. The systematic position of *Orsodacne* Latr. and *Syneta* Lac. (Coleoptera, Chrysomelidae), in relation to characters of larvae, internal anatomy and tarsal vestiture. **Journal of Natural History** 15: 727–749.
- Martins, U. R. & M. H. M. Galileo. 1994. Novas espécies e notas sobre Cerambycidae e Disteniidae (Coleoptera) do Estado do Tocantins, Brasil. **Itheringia, Zoologia** 77: 77–82.
- Monné, M. A. & E. F. Giesbert. 1994. **Checklist of the Cerambycidae and Disteniidae (Coleoptera) of the Western Hemisphere**. Burbank, Wolfgang Books, 410 p.
- Plavilstshikov, N. N. 1931. Cerambycidae. I. Teil. Cerambycinae: Disteniini, Cerambycini I (Protaxina, Spondylina, Asemina, Saphanina, Achrysonina, Oemina, Cerambycina). **Bestimmungs-Tabellen der europäischen Coleopteren** 100: 1–102.
- Quentin, R. M. & A. Villiers. 1980. Insectes Coléoptères, Cerambycidae, Disteniinae. **Faune de Madagascar** 52: 1–134.
- Saalas, U. 1936. Über das Flügelgeäder und die phylogenetische entwicklung der Cerambyciden. **Annales Zoologici Societatis Zoologicae-Botanicae Fennicae Vanamo** 4: 1–198.
- Santos-Silva, A. & F. T. Hovore. 2007. Divisão do gênero *Distenia* Lapeletier & Audinet-Serville, notas sobre a venação alar em Disteniini, homônimas, sinonímias e redescobertas (Coleoptera, Cerambycidae, Disteniinae). **Papéis Avulsos de Zoologia** 47: 1–29.
- Thomson, J. 1861. **Essai d'une classification de la famille des cérambycides et matériaux pour servir a une monographie de cette famille**. Paris, Thomson ed., p. 129–396.