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Updated world catalogue of the Nosodendridae (Coleoptera: Derodontoidea)

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Abstract

The world catalogue of the family Nosodendridae is presented, containing the list of genera, systematic catalogue of all known taxa included, new distributional records, list of type depositaries, infrasubspecific names and bibliography. It contains all the taxa described till April 1, 2014. The following new nomenclatorial acts are presented: one rank change based on the study of the type material: *Nosodendron rugiferum* Champion, 1923 **stat. nov.**

Key words: Insecta, Coleoptera, Nosodendridae, world catalogue, systematics, new status, nomenclature, bibliography.

Resumen

Catálogo mundial actualizado de los Nosodendridae (Coleoptera: Derodontoidea)

Se presenta el catálogo mundial de la familia Nosodendridae, que contiene la lista de géneros, el catálogo sistemático de todos sus taxones conocidos, nuevos registros distribucionales, la lista de los depositarios de tipos, nombres infrasubespecíficos y bibliografía. Contiene todos los taxones descritos hasta el 1 de abril de 2014. Se presentan los siguientes nuevos actos nomenclaturales: un cambio de categoría basado en el estudio del material tipo: *Nosodendron rugiferum* Champion, 1923 **stat. nov.**

Palabras clave: Insecta, Coleoptera, Nosodendridae, catálogo mundial, sistemática, nuevo estatus, nomenclatura, bibliografía.

Laburpena

Nosodendridae (Coleoptera: Derodontoidea) familiaren mundu-katalogo eguneratua

Nosodendridae familiaren mundu-katalogoa aurkezten da, barnean hartzen delarik: generoen zerrenda, beren taxoi ezagun guztien katalogo sistematikoa, zenbait banaketa-aipu berri, tipoen gordailuzainen zerrenda, izen infrasubespezifikokoak eta bibliografia. 2014ko apirilaren 1era arte deskribaturiko taxoi guztiak daude. Hurrengo ekintza nomenklaturalak aurkezten dira: mailaren aldaketa bat, tipo-materialaren azterketan oinarrituta: *Nosodendron rugiferum* Champion, 1923 **stat. nov.**

Gako-hitzak: Insecta, Coleoptera, Nosodendridae, mundu-katalogoa, sistematika, estatus berria, nomenclatura, bibliografia.

Introduction

This is the second edition of the «World catalogue of the Nosodendridae» (Coleoptera) published by the author (Háva, 2005a). The family nowadays includes as valid 3 genera and 82 species and subspecies.

No attempt has been made to resolve the status of subspecific *vs.* infrasubspecific names in the sense of ICZN (1999) article 45. The classification of the family Nosodendridae is after Steinhammer (2007), Bouchard *et al.* (2011) and Háva (2014).

See a classical drawing of a Nosodendrinae in Fig. 1.

List of collections

ANSP	Academy of Natural Sciences, Philadelphia, USA
BMNH	British Museum (Natural History) [= The Natural History Museum], London, United Kingdom
CASC	California Academy of Sciences, San Francisco, California, USA
CNHM	Canadian National Collection of Insects, Ottawa, Canada
EUMJ	Ehime University Museum Matsuyama, Japan
ISNB	Collections Nationales Belges d'Insectes et d'Arachnides, Brussels, Belgium
JHAC	Jiří Háva, Private Entomological Laboratory and Collection, Prague-west, Czech Republic
MCZC	Museum Comparative Zoology, Harvard University, Cambridge, USA
MHNG	Muséum d'Histoire Naturelle, Genève, Switzerland
MIZA	Museo del Instituto de Zoología Agrícola de la Facultad de Agronomía de la Universidad Central de Venezuela, Maracay, Venezuela
MMBC	Moravian Museum, Brno, Czech Republic
MNHN	Museum National d'Histoire Naturelle, Paris, France
MZPW	Zoological Museum, Academy of Sciences, Warszawa, Poland
MZSP	Museu de Zoologia, Universidade de São Paulo, Brazilia
NHMB	Naturhistorisches Museum, Basel, Switzerland
NHMW	Naturhistorisches Museum, Wien, Austria
NMPC	National Museum, Prague, Czech Republic
NSMT	National Science Museum, Tokyo, Japan
QMBA	Queensland Museum, South Brisbane, Queensland, Australia
RMNH	Nationaal Natuurhistorische Museum, Leiden, The Netherlands
SAMA	South Australian Museum, Adelaide, Australia
TMSA	Transvaal Museum, Pretoria, South Africa
USNM	United States National Museum, Washington, D.C., USA
ZMUB	Zoologisches Museum, Museum für Naturkunde, Berlin, Germany
ZMUM	Zoological Museum University of Moscow, Moscow, Russia

Symbols:

- ? unknown / uncertain
* new record

Catalogue of all the known taxa

Family Nosodendridae Erichson, 1846

Genus *Nosodendron* Latreille, 1804: 146

- Syn.: *Dendrodipnis* Wollaston, 1873: 33 – Type species: *Dendrodipnis coenosus* Wollaston, 1873: 34.
Dendrodipnis: Sharp, 1902: 670 (as subgenus).
Dendrodipnis: Dalla Torre, 1911: 3 (as synonym).
Dendrodipnis: Blackwelder, 1945: 270 (as synonym).

Type species: *Sphaeridium fasciculare* Olivier, 1790: 13.

List of species:

Nosodendron fasciculare SPECIES GROUP [4 species]

Nosodendron asiaticum Lewis, 1889: 229

Type depository: BMNH.

Type locality: Japan, Taken on Nantaizan, Ichibosayama.

Distribution: Japan, Russia: Kuril Is.

Nosodendron californicum Horn, 1874: 22

Syn.: *Nosodendron californicum*: Hayes & Chu, 1946: 79 (larva).

Type depository: CASC.

Type locality: Baja California.

Distribution: Canada: British Columbia, USA.

Nosodendron disjectum Champion, 1923: 580

Type depository: BMNH.

Type locality: India, Nilgiri Hills.

Distribution: SE India.

Nosodendron fasciculare (Olivier, 1790: 13)

Syn.: *Sphaeridium fasciculare* Olivier, 1790: 13.

Larva: Beutel, 1996.

Type depository: MNHN?

Type locality: «Europe».

Distribution: Europe, Caucasus.

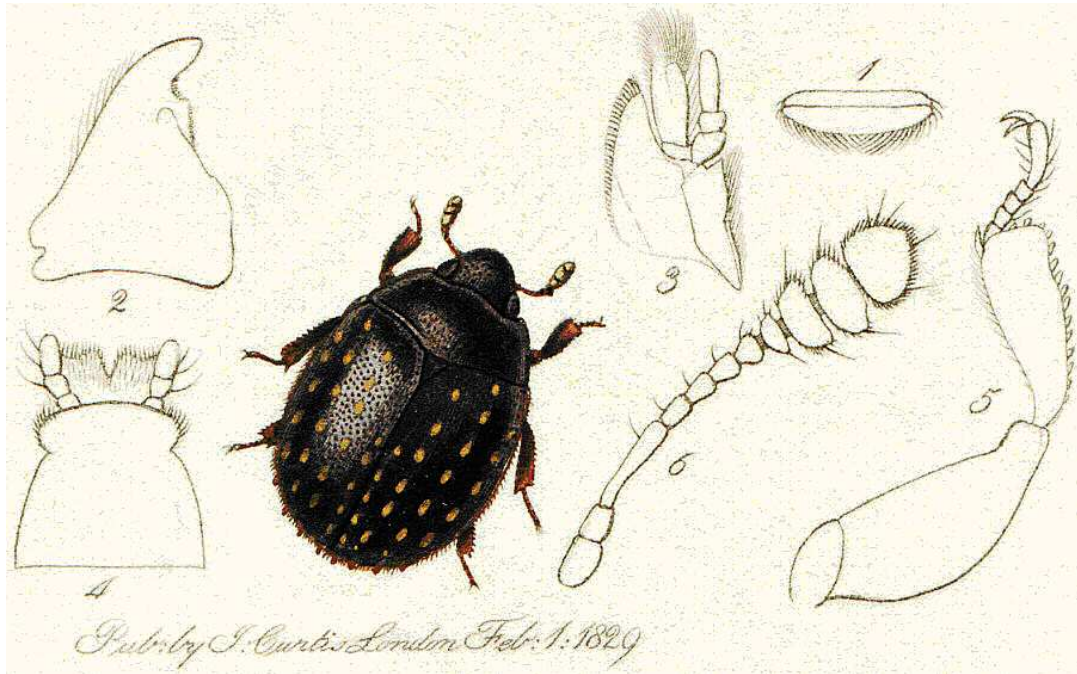


FIGURE 1. *Nosodendron fasciculare* according to Watson and Dallwitz (2003), modified from Curtis (1840).

***Nosodendron coenosum* SPECIES GROUP [71 species]**

***Nosodendron africanum* Endrödy-Younga, 1989: 61**

Type depository: TMSA.

Type locality: Cape province, Transkei, Dwesa forest station 32°15'S 28°49'E.

Distribution: South Africa.

***Nosodendron agaboides* Champion, 1923: 590**

Type depository: BMNH.

Type locality: «Penang».

Distribution: Malaysia: Penang Is.

***Nosodendron angelum* Reichardt, 1973: 194**

Type depository: MZSP.

Type locality: Brazil, São Paulo, Barueri.

Distribution: Argentina, Brazil, Paraguay.

***Nosodendron assamense* Háva, 2012: 353**

Type depository: NHMB.

Type locality: NE India, Assam, Bhalukpong.

Distribution: India: Assam.

***Nosodendron australe* Fauvel, 1903: 347**

Type depository: ISNB.

Type locality: «Nouvelle-Calédonie».

Distribution: New Caledonia.

***Nosodendron australicum* Lea, 1931: 375**

Type depository: SAMA.

Type locality: «Queensland».

Distribution: Australia: Queensland.

***Nosodendron batchianum* Champion, 1923: 588**

Type depository: BMNH.

Type locality: «Batchian».

Distribution: Indonesia: Moluccas Is.

***Nosodendron bilyi* Háva, 2000: 59**

Type depository: JHAC.

Type locality: Thailand NW, Mae Hong Son, Ban Si Lang, 1200 m.

Distribution: Thailand.

***Nosodendron boliviense* Háva, 2005a: 82**

Type depository: NHMW.

Type locality: Bolivia, La Paz prov., Coroico 60 km E of La Paz.

Distribution: Bolivia.

***Nosodendron bucki* Jorge, 1973: 73**

Type depository: MZSP.

Type locality: Brazil, Rio de Janeiro.

Distribution: Brazil.

***Nosodendron calvum* (Tryon, 1892: 109)**

Syn.: *Dendrodipnis calva* Tryon, 1892: 109.

Nosodendron calvum: Champion, 1923: 582.

Type depository: QMBA.

Type locality: «British New Guinea».

Distribution: New Guinea.

***Nosodendron carolinense* Yoshitomi, 2013a: 73**

Type depository: EUMJ.

Type locality: Caroline Islands, Truk IIs., Dublon I.

Distribution: Caroline Islands.

***Nosodendron celebense* Champion, 1923: 582**

Type depository: BMNH.

Type locality: «Celebes».

Distribution: Indonesia: Sulawesi Is.

***Nosodendron ceylanicum* Motschulsky, 1863: 432**

Type depository: ZMUM.

Type locality: Ceylon, Nuwera Elia.

Distribution: Sri Lanka.

***Nosodendron chelonarium* Joly, 1991: 50**

Type depository: MIZA.

Type locality: Venezuela, Estado Aragua, Rancho Grande, 1500 m.

Distribution: Venezuela.

***Nosodendron coenosum* (Wollaston, 1873: 34)**

Syn.: *Dendrodipnis coenosus* Wollaston, 1873: 34.

Nosodendron coenosum: Lewis, 1889: 229.

Type depository: BMNH.

Type locality: «Japan».

Distribution: Japan, Taiwan.

***Nosodendron derasum* Sharp, 1902: 672**

Type depository: BMNH.

Type locality: Panama, Chiriqui, Volcán de Chiriqui.

Distribution: Panama.

***Nosodendron dybasi* Reichardt, 1976: 209**

Type depository: CNHM.

Type locality: Brazil, Santa Catarina, Nova Teutonia.

Distribution: Brazil.

***Nosodendron elongatum* Endrödy-Younga, 1991: 12**

Type depository: MNHN.

Type locality: Madagascar Nord, Diégo-Suarez.

Distribution: Madagascar.

***Nosodendron fasciatum* Joly, 1991: 51**

Type depository: MIZA.

Type locality: Venezuela, Estado Barinas, La Chimenea, 1500 m.

Distribution: Venezuela.

***Nosodendron fijiense* Lea, 1931: 376**

Type depository: SAMA.

Type locality: «Fiji».

Distribution: Fiji Is.

***Nosodendron glabratum* Champion, 1923: 580**

Type depository: BMNH.

Type locality: Solomon Isl., San Christoval, Makira Harbour.

Distribution: Solomon Is.

***Nosodendron grande* (Reitter, 1881: 140)**

Syn.: *Dendrodipnis grandis* Reitter, 1881: 140.

Nosodendron grande: Champion, 1923: 583.

Type depository: ZMUB.

Type locality: «Sumatra».

Distribution: Indonesia: Borneo, Java, Sumatra, Malaysia: Sarawak.

***Nosodendron hageni* (Reitter, 1886: 217)**

Syn.: *Dendrodipnis hageni* Reitter, 1886: 217.
Nosodendron hageni: Champion, 1923: 589.
 Type depository: RMNH.
 Type locality: Sumatra, Tandjong Morawa, Serdang.
 Distribution: Sumatra.

***Nosodendron helferi* Háva, 2000: 60**

Type depository: NMPC.
 Type locality: «Tenasserim».
 Distribution: Myanmar.

***Nosodendron hispidum* Champion, 1923: 590**

Syn.: *Nosodendron hispidum*: Háva, 2000: 58.
 Type depository: BMNH.
 Type locality: S India, Bangalore.

Syn.: *Nosodendron irregulare* Pic, 1928: 12.
 Type depository: MNHN.
 Type locality: «Tonkin».
 Distribution: India, Laos, Malaysia, Myanmar, Nepal, Pakistan, Philippines, Sikkim, Thailand, Vietnam.

***Nosodendron horaki* Háva, 2000: 59**

Type depository: JHAC.
 Type locality: Thailand NW, Mae Hong Son, Ban Si Lang, 1200 m.
 Distribution: Thailand.

***Nosodendron incognitum* Háva, 2005b: 79**

Type depository: NHMW.
 Type locality: Myanmar, Kachin state, Indawgyi Lake, 1 km NW Mine Naung.
 Distribution: Myanmar: Kachin state.

***Nosodendron indicum* Pic, 1923: 8**

Type depository: MNHN.
 Type locality: «Indes».
 Distribution: India.

***Nosodendron interruptum* Lea, 1931: 375**

Type depository: SAMA.
 Type locality: «Queensland».
 Distribution: Australia: Queensland.

***Nosodendron jakli* Háva, 2005b: 157**

Type depository: JHAC.
 Type locality: S Kalimantan, 800 m, Kandangan distr., Loksado 17 km NE.
 Distribution: Indonesia: Borneo.

***Nosodendron jirii* Háva, 2011a: 3**

Type depository: JHAC.
 Type locality: Cayenne Prov.
 Distribution: French Guinea.

***Nosodendron kalimantanus* Háva, 2005b: 157**

Type depository: JHAC.
 Type locality: S Kalimantan, 800 m, Kandangan distr., Loksado 17 km NE.
 Distribution: Indonesia: Borneo.

***Nosodendron laosense* Háva, 2007: 178**

Type depository: NHMB.
 Type locality: Laos N, Phongsaly prov., Phongsaly env., 1500 m.
 Distribution: Laos.

***Nosodendron latifrons* Sharp, 1902: 673**

Type depository: BMNH.
 Type locality: Panama, Chiriqui, Bugaba.
 Distribution: Colombia, Panama.

***Nosodendron latum* Endrödy-Younga, 1991: 16**

Type depository: MNHN.
 Type locality: «Madagascar».
 Distribution: Madagascar.

***Nosodendron leechi* Reichardt, 1976: 202**

Type depository: CASC.
 Type locality: Ecuador, Pichincha, 6 mi W of Santo Domingo de los Colorados.
 Distribution: Ecuador.

***Nosodendron lentum* Oehme-Leonhardt, 1954: 254**

Syn.: *Nosodendron lentum* Oehme-Leonhardt, 1954: 254 (description only larvae).
Nosodendron cimicoides Oehme-Leonhardt, 1954: 259, nomen nudum.
 Type depository: ?
 Type locality: «Phillipines».
 Distribution: Philippines.

***Nosodendron madagascariense* Alluaud, 1896: 36**

Type depository: MNHN.
 Type locality: Madagascar Nord, Diégo-Suarez.
 Distribution: Archipel des Comores, Madagascar.

***Nosodendron manuselae* Háva, 2008: 3**

Type depository: NHMW.
 Type locality: Indonesia, Ceram, Hatuolo-Manusela.
 Distribution: Moluccas: Ceram I.

***Nosodendron marginatum* (Reitter, 1886: 218)**

Syn.: *Dendrodipnis marginatus* Reitter, 1886: 218.
Nosodendron marginatum: Champion, 1923: 587.
 Type depository: RMNH.
 Type locality: Sumatra, Tandjong Morawa, Serdang.
 Distribution: Indonesia: Borneo, Java, Kalimantan, Sulawesi, Sumatra, Malaysia, Moluccas.

***Nosodendron mediobasale* Lea, 1931: 376**

Type depository: SAMA.
 Type locality: «New Guinea».
 Distribution: New Guinea.

***Nosodendron mexicanum* Sharp, 1902: 670**

Type depository: BMNH.
 Type locality: Mexico, Veracruz, Jalapa.
 Distribution: Mexico.

***Nosodendron moluccense* Háva, 2008: 1**

Type depository: JHAC.
 Type locality: N Moluccas, Bacan I., Mt. Sibela.
 Distribution: Moluccas: Bacan I., Halmahera I.

***Nosodendron nepalense* Háva & Farkač, 2003: 245**

Type depository: JHAC.
 Type locality: E-Nepal, Kanchenjunga Himal Mts., Chiruwa vill. env.
 Distribution: Nepal.

***Nosodendron niasense* Háva, 2005b: 79**

Type depository: NHMW.
 Type locality: S-Nias, Lahusa-Gomo, 0-300 m.
 Distribution: Indonesia: South Nias Is.

***Nosodendron nitidum* Champion, 1923: 583**

Syn.: *Nosodendron nitidum*: Motschulsky, 1863: 432 nomen nudum.
 Type depository: BMNH.
 Type locality: India, Madras.
 Distribution: India.

***Nosodendron nomurai* Háva, 2000: 58**

Type depository: NSMT.
 Type locality: Thailand N, Doi Pui.

Syn.: *Nosodendron marginatum* var. *siamense* Champion, 1923: 588 (infrasubspecific name).

Type depository: BMNH.
 Type locality: «Siam».
 Distribution: Laos, Thailand.

***Nosodendron oblongum* Champion, 1923: 584**

Type depository: BMNH.
 Type locality: Burma, Ruby Mines.
 Distribution: Myanmar.

***Nosodendron ovatum* Broun, 1880: 242**

Syn.: *Nosodendron ovatum*: Crowson, 1959: 85 (larva).
 Type depository: BMNH.
 Type locality: New Zealand, Whangarei Heads.
 Distribution: New Zealand.

***Nosodendron panense* Yoshitomi, 2013b: 220**

Type depository: EUMJ.
 Type locality: Laos, Houa Phan Prov., Mt. Phu-Pan, 1700-1800 m.
 Distribution: Laos.

***Nosodendron pauliani* Endrödy-Younga, 1991: 18**

Type depository: MNHN.
 Type locality: Madagascar E, Fénérive.
 Distribution: Madagascar.

***Nosodendron politum* Sharp, 1902: 672**

Type depository: BMNH.
 Type locality: Panama, Chiriqui, Volcán de Chiriqui.
 Distribution: Ecuador, Panama, Peru.

***Nosodendron prudeki* Háva, 2000: 60**

Type depository: JHAC.

Type locality: Thailand S, Nakhon Si Thammarat prov., Khao Luang NP, Krung Ching waterfall.

Distribution: Thailand.

***Nosodendron punctatostriatum* Chevrolat, 1864: 618**

Syn.: *Nosodendron punctatostriatum*. Joly, 1991: 53.

Type depository: MNHN.

Type locality: Guadeloupe.

Syn.: *Nosodendron cribratum* Fleutinaux & Sallé, 1889: 392.
Nosodendron cribratum. Reichardt, 1976: 213 (as synonym).

Type depository: BMNH.

Type locality: Guadeloupe.

Distribution: Cuba, Guadeloupe, St. Vincent Is., Venezuela.

***Nosodendron punctulatum* (Reitter, 1886: 217)**

Syn.: *Dendrodipnis punctulatus* Reitter, 1886: 217.

Nosodendron punctulatum. Champion, 1923: 585.

Type depository: RMNH.

Type locality: Sumatra, Tandjong Morawa, Serdang.

Distribution: Sikkim, Indonesia: Borneo, Java, Perak Is., Sumatra.

***Nosodendron reichardti* Joly, 1991: 48**

Type depository: MIZA.

Type locality: Venezuela, Estado Aragua, El Limón, 450 m.

Distribution: Venezuela.

***Nosodendron ritsemae* (Reitter, 1886: 217)**

Syn.: *Dendrodipnis ritsemae* Reitter, 1886: 217.

Nosodendron ritsemae. Champion, 1923: 589.

Type depository: RMNH.

Type locality: Sumatra, Tandjong Morawa, Serdang.

Distribution: Indonesia: Java, Sumatra, Malaysia: Penang Is.

***Nosodendron rugiferum* Champion, 1923: 588 stat. nov.**

Syn.: *Nosodendron marginatum* var. *rugiferum* Champion, 1923: 588.

Type depository: BMNH.

Type locality: «Perak».

Distribution: Indonesia: Perak Is., Sikkim.

***Nosodendron sikkimense* Champion, 1923: 585**

Type depository: BMNH.

Type locality: Sikkim, Rungbong Valley, Gopaldhara.

Distribution: India: Sikkim, Assam.

***Nosodendron slipinskii slipinskii* Endrödy-Younga, 1991: 14**

Type depository: USNM.

Type locality: Madagascar E, NE de Fianarantsoa, 7 km a l'O. de Ranomafana, 900 m.

Distribution: Madagascar.

***Nosodendron slipinskii obtectum* Endrödy-Younga, 1991: 16**

Type depository: MZPW.

Type locality: Madagascar E, E. de Moramanga, Périnet.

Distribution: Madagascar.

***Nosodendron strigiferum* Champion, 1923: 584**

Type depository: BMNH.

Type locality: «Perak».

Distribution: Indonesia: Perak Is.

***Nosodendron subtile* Sharp, 1902: 671**

Type depository: BMNH.

Type locality: Panama, Chiriqui, Volcán de Chiriqui.

Distribution: Panama.

***Nosodendron testudinum* Waterhouse, 1876: 14**

Syn.: *Nosodendron testudinum*. Reichardt, 1973: 198.

Nosodendron testudinum. Joly, 1991: 53.

Type depository: BMNH.

Type locality: Brazil, Pará.

Syn.: *Nosodendron championi* Sharp, 1902: 671.

Nosodendron championi. Reichardt, 1976: 211 (as synonym).

Type depository: BMNH.

Type locality: Guatemala, Alta Verapaz, Chiacam.

Syn.: *Nosodendron chiriquense* Sharp, 1902: 672.

Nosodendron chiriquense. Reichardt, 1976: 211 (as synonym).

Type depository: BMNH.

Type locality: Panama, Chiriqui, Volcán de Chiriqui.

Distribution: Brazil, Colombia, Costa Rica, Ecuador, Guatemala, Panama, Peru, Venezuela.

***Nosodendron thompsoni* Reichardt, 1976: 207**

Type depository: CASC.

Type locality: Peru, Huanuco, Tingo Maria, Monson Valley.

Distribution: Peru.

***Nosodendron tiomanense* Háva, 2006: 63**

Type depository: JHAC.

Type locality: Malaysia, Tioman Is., 0-100 m, nl. Kampong Tekek-K.Juara.

Distribution: Malaysia: Tioman Is.

***Nosodendron tonkineum* Pic, 1923: 8**

Type depository: MNHN.

Type locality: «Tonkin».

Distribution: N. Vietnam.

***Nosodendron unicolor* Say, 1824: 274**

Syn.: *Nosodendron unicolor*: Hayes & Chu, 1946: 70 (larva).

Type depository: ANSP.

Type locality: ?

Distribution: Canada: Ontario, U.S.A.

***Nosodendron vestitum* (Tryon, 1892: 109)**

Syn.: *Dendrodipnis vestita* Tryon, 1892: 109.

Nosodendron vestitum: Champion, 1923: 589.

Type depository: QMBA.

Type locality: «British New Guinea».

Distribution: New Guinea.

***Nosodendron zealandicum* Sharp, 1886: 381**

Syn.: *Nosodendron zealandicum*: Crowson, 1959: 86 (larva).

Type depository: BMNH.

Type locality: «New Zealand».

Distribution: New Zealand.

Genus *Nosoglobulus* Háva, 2003: 247 [3 species]

Syn.: *Nosodendron* subgenus *Nosoglobulus* Háva, 2003: 247.

Type species: *Nosodendron loebli* Háva, 2003: 247.

List of species:

***Nosoglobulus loebli* (Háva, 2003: 247)**

Syn.: *Nosodendron (Nosoglobulus) loebli* Háva, 2003: 247.

Nosoglobulus loebli: Háva, 2011b: 2.

Type depository: MHNG.

Type locality: China, W Hubei, Shennongjia Nat. Res., 2000-2200 m.

Distribution: China: Henan, Hubei, Yunnan.

***Nosoglobulus smetanai* (Háva, 2003: 249)**

Syn.: *Nosodendron (Nosoglobulus) smetanai* Háva, 2003: 249.

Type depository: MHNG.

Type locality: Nepal, Khandbari district, forest NE Kuwapani, 2450 m.

Distribution: Nepal.

***Nosoglobulus wakaharai* Hisamatsu, Yamasako & Háva, 2011: 89**

Type depository: EUMJ.

Type locality: Laos, Phou Samsoum, Xieng Khouang Prov.

Distribution: Laos.

Fossil Nosodendridae**Genus *Nosodendron* Latreille, 1804: 146 [1 species]**

List of species:

***Nosodendron tritavum* Scudder, 1890: 499**

Type depository: MCZC.

Type locality: Wyoming, Green River.

Distribution: U.S.A.: Wyoming (Oligocene).

Genus *Nosotetocus* Scudder, 1892: 16 [3 species]

Type species: *Nosotetocus marcovi* Scudder, 1892: 17.

List of species:

***Nosotetocus debilis* Scudder, 1900: 90**

Type depository: MCZC.

Type locality: Florissant in Colorado.

Distribution: U.S.A.: Colorado (Miocene).

***Nosotetocus marcovi* Scudder, 1892: 17**

Type depository: MCZC.

Type locality: Florissant in Colorado.

Distribution: U.S.A.: Colorado (Miocene).

***Nosotetocus vespertinus* Scudder, 1900: 90**

Type depository: MCZC.

Type locality: Florissant in Colorado.

Distribution: U.S.A.: Colorado (Miocene).

Biogeographic synthesis

See Fig. 2.

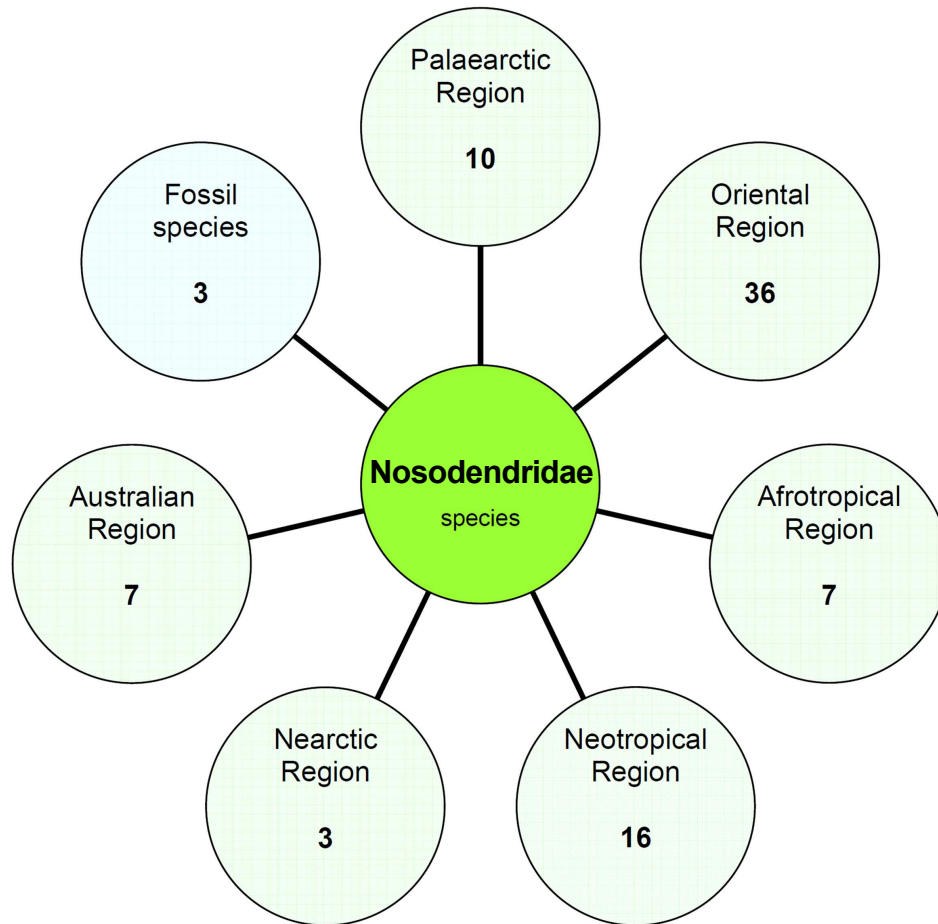


FIGURE 2. Number of known species of Nosodendridae from different regions.

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References

- ALLUAUD CH. 1896. Contributions à la faune entomologique de la région malgache (Col. 4e note). *Bulletin de la Société Entomologique de France* **36**: 33-36.
- BEUTEL RG. 1996. Study of the larva of *Nosodendron fasciculare* (Olivier 1790) (Coleoptera: Nosodendridae)

- with implications for the phylogeny of Bostrichiformia. *Journal of Zoological Systematics and Evolutionary Research* **34**: 121-134.
- BLACKWELDER RE. 1945. Checklist of the coleopterous insects of Mexico, Central America, the West Indies, and South America. Part 3. *Smithsonian Institution United States National Museum, Washington* **185**: III-IV + 343-550.
- BOUCHARD P, BOUSQUET Y, DAVIES AE, ALONSO-ZARAZAGA MA, LAWRENCE JF, LYAL CHHC, NEWTON AF, REID CHAM, SCHMITT M, ŚLIPIŃSKI SA, SMITH ABT. 2011. Family-group names in Coleoptera (Insecta). *ZooKeys* **88**: 1-972.
- BROUN T. 1880. *Manual of the New Zealand Coleoptera. Parts I and II*. James Hughes, Lambton Quay. Wellington.
- CHAMPION GC. 1923. A revision of the eastern species of Nosodendridae (Coleoptera). *Annals and Magazine of Natural History* **12**: 578-591.
- CHEVROLAT LAA. 1864. Coléoptères de l'Île de Cuba (suite). *Annales de la Société Entomologique de France* **3**: 589-620.
- CROWSON RA. 1959. Studies on the Dermestoidea (Coleoptera), with special reference to the New Zealand fauna. *Transactions of the Royal Entomological Society of London* **111**: 81-94.
- CURTIS J. 1840 (1823-1840). *British entomology; being illustrations and descriptions of the genera of insects found in Great Britain and Ireland: containing coloured figures from nature of the most rare and beautiful species, and in many instances of the plants upon which they are found. Vol. 2. Coleoptera, part 2*. Printed for the author. London.
- DALLA TORRE KW. 1911. Pars 33: Nosodendridae. In: Junk W, Schenkling S (Eds.). *Coleopterorum Catalogus*. W. Junk. Berlin.
- ENDRÖDY-YOUNGA S. 1989. Nosodendridae, a new beetle family for the African continent (Coleoptera: Byrrhoidea). *Annals of the Transvaal Museum* **35**: 61-66.
- ENDRÖDY-YOUNGA S. 1991. *Faune de Madagascar. 76 Insectes Coléoptères. Nosodendridae*. Muséum National d'Histoire Naturelle. Paris.
- ERICHSON WF. 1846. *Naturgeschichte der Insecten Deutschlands. Erste Abtheilung. Coleoptera. Dritter Band, III*. Nicolaischen Buchhandlung, Berlin (pp. 321-480).
- FAUVEL A. 1903. Faune analytique des Coléoptères de la Nouvelle Calédonie. *Revue Entomologique, Caen* **22**: 203-379.
- FLEUTIAUX E, SALLÉ A. 1889. Liste des Coléoptères de la Guadeloupe et descriptions d'espèces nouvelles. *Annales de la Société Entomologique de France* **9**: 351-484.
- HAYES WMP, CHU HF. 1946. The larvae of the genus *Nosodendron* Latr. *Annals of the Entomological Society of America* **39**: 69-79.
- HÁVA J. 2000. Distributional notes on some Oriental Nosodendridae (Coleoptera), with descriptions of five new species. *Acta Musei Moraviae, Scientiae Biologicae* **85**: 57-65.
- HÁVA J. 2003. Distributional notes on some Nosodendridae (Insecta: Coleoptera). III. Descriptions of a new subgenus and two new species from Nepal and China (pp.: 247-249). In: Hartmann M, Baumbach H (Eds.). *Biodiversity and natural heritage in the Himalaya*. Verein der Freunde und Förderer des Naturkundemuseums Erfurt e. V. Erfurt.
- HÁVA J. 2005a. World catalogue of the Nosodendridae (Coleoptera), with new faunistic records and descriptions of three new species. *Entomological Problems* **35**: 75-83.
- HÁVA J. 2005b. Distributional notes on some Nosodendridae (Coleoptera) – IV. Description of two new species from Indonesia: Kalimantan I. *Entomological Problems* **35**: 157-158.
- HÁVA J. 2006. Distributional notes on some Nosodendridae (Coleoptera) – V. Description of a new species from Tioman Island, with checklist of fossil species. *Entomological Problems* **36**: 63-64.
- HÁVA J. 2007. Distributional notes on some Nosodendridae (Coleoptera) – VI. Descriptions of a new species from Laos, with new distributional data of some other species. *Acta Musei Moraviae, Scientiae Biologicae* **92**: 177-180.
- HÁVA J. 2008. Distributional notes on some Nosodendridae (Coleoptera) – VII. Descriptions of two new species from the Moluccas Islands. *Calodema Supplementary Paper* **87**: 1-4.
- HÁVA J. 2011a. Distributional notes on some Nosodendridae (Coleoptera) – VIII. *Nosodendron jirii* sp. nov. from French Guiana. *Latvijas Entomologs* **50**: 3-4.
- HÁVA J. 2011b. New faunistic records of Nosodendridae (Coleoptera). *Annals of Entomology* **29**: 1-2.
- HÁVA J. 2012. Distributional notes on some Nosodendridae (Coleoptera) – IX. Third contribution to the *Nosodendron* species of the Himalaya (pp.: 353-355). In: Hartmann M, Weipert J (Eds.). *Biodiversity and Natural Heritage in the Himalaya IV*. Verein der Freunde und Förderer des Naturkundemuseums Erfurt e. V. Erfurt.
- HÁVA J. 2014. Dermestidae, Derodontidae, Jacobsoniidae, Nosodendridae. In: Zahradník P, Háva J. Catalogue of the world genera and subgenera of the

- superfamilies Derodontoidea and Bostrichoidea (Coleoptera: Derodontiformia, Bostrichiformia). *Zootaxa* **3754**: 301-352.
- HÁVA J, FARKAČ J. 2003. Distributional notes on some Oriental Nosodendridae (Insecta: Coleoptera) – II. *Nosodendron nepalense* sp.nov. from Nepal (pp.: 245-246). In: Hartmann M, Baumbach H (Eds.). *Biodiversity and natural heritage in the Himalaya*. Verein der Freunde und Förderer des Naturkundemuseums Erfurt e. V. Erfurt.
- HEYDEN L. 1885. Weitere Beiträge zur Coleopteren-Fauna des Amur-Gebietes. *Deutsche Entomologische Zeitschrift* **29**: 299-307.
- HISAMATSU S-T, YAMASAKO J, HÁVA J. 2011. A new species for the genus *Nosoglobulus* Háva, 2003 from Laos (Coleoptera, Nosodendridae). *Elytra (N.S.)* **1**: 89-92.
- HORN GH. 1874. Descriptions of new species of United States Coleoptera. *Transactions of the American Entomological Society* **5**: 20-43.
- ICZN (INTERNATIONAL COMMISSION OF ZOOLOGICAL NOMENCLATURE). 1999. *International Code of Zoological Nomenclature. Fourth Edition, adopted by the International Union of Biological Sciences*. International Trust for Zoological Nomenclature. London.
- JOLY IJ. 1991. Los Nosondridae (Coleoptera) de Venezuela. *Boletín de Entomología Venezolana* **6**: 47-56.
- JORGE ME. 1973. Nova espécie do genero *Nosodendron* Latreille, 1804 do Brasil (Coleoptera, Nosodendridae). *Revista Brasileira de Entomologia* **17**: 73-76.
- LATREILLE PA. 1804. Tableau méthodique des Insectes. Classe huitième. Insectes, Insecta (pp.: 129-200). In: Société des naturalistes et agriculteurs (Ed.). *Nouveau Dictionnaire d'Histoire Naturelle, appliquée aux arts, principalement à l'agriculture et à l'économie rurale et domestique. Tome XXIV*. Deterville. Paris. [each chapter with separate pagination]
- LAWRENCE JF, NEWTON AF. 1995. Families and sub-families of Coleoptera (with selected genera, notes, references and data on family-group names) (pp.: 779-1006 + 48 (index)). In: Pakaluk J, Slipinski SA (Eds.). *Biology, phylogeny, and classification of Coleoptera. Papers celebrating the 80 birthday of Roy A. Crowson. Vol. 2*. Muzeum i Instytut Zoologii PAN. Warszawa.
- LEA AM. 1931. Australasian Coleoptera. *Records of South Australian Museum, Adelaide* **4**: 365-408.
- LECONTE JL. 1861. *Classification of the Coleoptera of North America. Part I*. Smithsonian Miscellaneous Collections. Washington.
- LEWIS G. 1889. On a species of *Nosodendron* from Japan. *Entomologist's Monthly Magazine* **25**: 229.
- MOTSCHULSKY VI. 1863. Essai d'un catalogue des Insectes de l'Île Ceylan. *Bulletin de la Société Impériale des Naturalistes* **36**: 421-450.
- OEHME-LEONHARDT BG. 1954. A new Philippine species of *Nosodendron*. *The Philippine Journal of Science* **82**: 253-261.
- OLIVIER AG. 1790. *Entomologie, ou histoire naturelle des insectes, avec leurs caracteres génériques et spécifiques, leur description, leur synonymie, et leur figure enluminée. Coléoptères. Tome Second. Nr. 13*. Baudouin. Paris.
- PIC M. 1923. Nouveautés diverses. *Mélanges Exotico-Entomologiques* **40**: 3-32.
- PIC M. 1928. Nouveautés diverses. *Mélanges Exotico-Entomologiques* **51**: 1-36.
- REICHARDT H. 1973. New and little known neotropical Coleoptera. I. Introduction and the Brazilian species of *Nosodendron* (Nosodendridae). *Papéis Avulsos Zoológica (Sao Paulo)* **26**: 193-199.
- REICHARDT H. 1976. Monograph of the New World Nosodendridae and notes on the Old World forms (Coleoptera). *Papéis Avulsos Zoológica (Sao Paulo)* **29**: 185-220.
- REITTER E. 1881. Einige neue Coleopteren. *Mitteilungen der Münchener Entomologischen Verzeichnisse* **5**: 139-141.
- REITTER E. 1886. Note XXXII. Ueber die Coleopteren-Gattung *Dendrodipnis* Woll. aus Sumatra. *Notes from the Leyden Museum* **8**: 215-218.
- SAY T. 1824. *Descriptions of Coleoptera. Narrative of an expedition to the source of St. Peters River & c., under the command of Stephen H. Long, Major U.S.T.E. (2: 268-378)*. W.H. Keating editor. Philadelphia.
- SCUDDER SH. 1890. The fossil insects of North America (with notes on some European species). II. The Tertiary insects. *Report of the United States Geological Survey of the Territories* **13**: 1-734.
- SCUDDER SH. 1892. Some insects of special interest from Florissant, Colorado and other points of the Tertiaries of Colorado and Utah. *Bulletin of the United States Geological Survey* **93**: 1-25.
- SCUDDER SH. 1900. Adepagous and Clavicorn Coleoptera from the Tertiary deposits at Florissant, Colorado, with description of a few other forms and a systematic list of the non-rhynchophorous Tertiary Coleoptera of North America. *Monography of the United States Survey, Washington* **40**: 3-148, 11 pls.
- SHARP D. 1886. On New Zealand Coleoptera, with descriptions of new genera and species. *Scientific Transactions of the Royal Dublin Society* **3**: 351-452.

- SHARP D. 1902. Byrrhidae (pp.: 670-673). In: Sharp D, Matthews A, Lewis G. 1887-1905. *Biologia Centrali-Americana. Insecta. Coleoptera. Vol. 2, part 1*. London.
- STEINHAMMER F. 2007. Nosodendridae (p.: 299). In: Löbl I, Smetana A (Eds.). *Catalogue of Palaearctic Coleoptera. Volume 4. Elateroidea, Derodontoidea, Bostrichoidea, Lymexyloidea, Cleroidea and Cucujoidea*. Apollo Books. Stenstrup.
- TRYON H. 1892. Coleoptera collected by Mr. A.C. English in the St. Joseph river district of British New Guinea, under the auspice of his Honour the Administrator. *Rep. Administrator British New Guinea* 2, Appendix 5, pp.: 109-112.
- WATERHOUSE CO. 1876. On various new genera and species of Coleoptera. *Transactions of the Entomological Society of London* 1876: 11-25.
- WATSON L, DALLWITZ MJ. 2003. *British insects: the families of Coleoptera*. Available online: <http://delta-intkey.com>. Version: 25th July 2012.
- WOLLASTON TV. 1873. On a genus of the Byrrhidae from Japan. *Entomologist's Monthly Magazine* 10: 33-34.
- YOSHITOMI H. 2013a. A new species of *Nosodendron* Latreille (Coleoptera: Nosodendridae) from the Caroline Islands. *The Coleopterists Bulletin* 67: 72-74.
- YOSHITOMI H. 2013b. Nosodendridae (Coleoptera, Derodontoidea) of the Indochinese Subregion. *Elytra (N.S.)* 3: 213-224.

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