

World catalogue of the family *Jacobsoniidae* (Coleoptera: Staphylinoidea)

Jiří Háva

Prague-west, Czech Republic

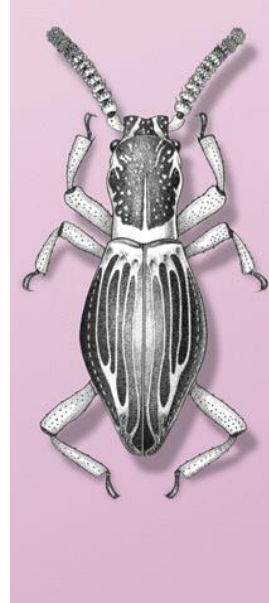
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The small family Jacobsoniidae (Coleoptera) has had an uncertain classification for some time. Crowson (1955, 1959) placed this family in the superfamily Derodontoidea (together with Derodontidae and Nosodendridae). Sen Gupta (1979) included a new subfamily, Derolanthrinae, in the family Merophysidae (recently subfamily in Endomychidae). Lawrence and Newton (1995) placed this family as “incertae sedis” in the series Bostrichiformia but Bouchard et al. (2011) included this family with the series Derodontiformia. According to new phylogenetic analysis the family belong to Staphyliniformia (Cai et al. 2022).

Representatives of this species occur very sporadically in the Australian, Oriental and Neotropical regions. The Jacobsoniidae family includes 3 genera and 30 species worldwide. A list of the world species in this family was recently provided by Háva and Löbl (2005); species from the Palaeartic region were covered by Löbl (2007), genera were covered by Háva in Zahradník & Háva (2014). All of this species in this family are extremely rare and little is known about their biology. The catalogue presents all known species and their distribution, described to December 2024. This catalogue follows the catalogue published with additions of faunistic data and new taxa.

The type material is deposited in the following institutional collections:

AMNH American Museum of Natural History, New York, USA
ANIC Australian National Insects coll., SCIRO Entomology, Camberra, Australia
BMNH British Museum Natural History [= The Natural History Museum], London, United Kingdom
BPBM Bernice P. Bishop Museum, Honolulu, Hawaii, U.S.A.
CMNC Canadian Museum of Nature, Canada
DSIR Department of Scietifis and Industrial Research, Auckland, New Zealand
GPIH Geologisch-Paläontologisches Institut und Museum der Universität Hamburg, Germany
HFWC private collection H. Franz, Wien Austria
MCSN Museo Civico di Storia Naturale „G. Doria“, Genova, Italy
MHNG Museum d’histoire naturelle, Genève, Switzerland
MNHN Muséum National d’Histoire Naturelle, Paris, France
NIGP Nanjing Institute of Geology and Palaeontology, Nanjing, China
SMTD Staatliche Museum für Tierkunde, Dresden, Germany
SNUC Shanghai Normal University, Shanghai, China
ZSIC Zoological Survey of India, Calcutta, India



CATALOGUE

Series Staphyliniformia Lameere, 1900

Superfamily Staphylinoidea Latreille, 1802

Family Jacobsoniidae Heller, 1926

Jacobsoniidae Heller, 1926: 127.
Sarothriidae Crowson, 1955: 75.
Derolathriinae Sen Gupta, 1979: 692.

genus *Sarothrias* Grouvelle, 1918

Sarothrias Grouvelle, 1918: 7 - type species: *Sarothrias eximius* Grouvelle, 1918: 8.
Jacobsonium Heller, 1926: 126 - type species: *Jacobsonium dimerum* Heller, 1926: 128.
Jacobsonium: Crowson, 1955: 75 (synonymy).

1. *Sarothrias amabilis* Slipinski et Löbl, 1995

Sarothrias amabilis Slipinski et Löbl, 1995: 49.
Type locality: Malaysia, Pahang, Tioman Is., Kg. Tekek Umg.
Type depository: MHNG.
Sex of type: male.
Distribution: Malaysia: Pahang Is.

2. *Sarothrias audax* Slipinski et Löbl, 1995

Sarothrias audax Slipinski et Löbl, 1995: 52.
Type locality: Tanimbar Is., Yamdera Sangliat Krawain.
Type depository: MHNG.
Distribution: Indonesia: Tanimbar Is.

3. *Sarothrias bournei* Slipinski, 1986

Sarothrias bournei Slipinski, 1986: 59.
Sarothrias bournei: Löbl & Burckhardt, 1988:10. (redescription)
Type locality: Neu-Britannien, Pomio.
Type depository: MHNG.
Distribution: Papua New Guinea: New Britain Is.

4. †*Sarothrias cretaceus* Cai, Slipinski, Leschen, Yin, Zhuo & Huang, 2017

Sarothrias cretaceus Cai, Slipinski, Leschen, Yin, Zhuo & Huang, 2017: 2.

Type locality: Hukawng Valley, Kachin State of northern Myanmar.
Type depository: NIGP.
Distribution: Manmar (fossil: Burmese amber)

5. *Sarothrias crowsoni* Löbl et Burckhardt, 1988

Sarothrias crowsoni Löbl et Burckhardt, 1988: 7.
Sarothrias crowsoni: Háva & Allen, 2021: 211 (distribution).
Type locality: Malaysia, Sabah, Poring Hot Springs.
Type depository: MHNG.
Sex of type: male.
Distribution: Malaysia: Sabah; Philippines: Mindanao.

6. *Sarothrias dimerus* (Heller, 1926)

Jacobsonium dimerum Heller, 1926: 128.
Sarothrias dimerus: Crowson, 1955:75 (new combination).
Sarothrias dimerus: Löbl et Burckhardt, 1988: 11 (new combination).
Sarothrias dimerus: Burckhardt et Löbl, 1990: 238 (redescription).
Type locality: Indonesia, Sumatra, Monte Singgalang.
Type depository: SMTD.
Distribution: Indonesia: Sumatra Is.

7. *Sarothrias eximius* Grouvelle, 1918

Sarothrias eximius Grouvelle, 1918: 8.
Sarothrias eximius: Löbl et Burckhardt, 1988: 8 (redescription).
Type locality: Seychellen, Silhouette, Wald Mont Pot-a-eau.
Type depository: MNHN.
Distribution: Seychelles Is.

8. *Sarothrias fijianus* Löbl et Burckhardt, 1988

Sarothrias fijianus Löbl et Burckhardt, 1988: 9.
Type locality: Fiji, Viti Levu, Nandarivatu.
Type depository: DSIR.
Sex of type: male.
Distribution: Fiji Is.

9. *Sarothrias hygrophilus* T. K. Pal, 1998

Sarothrias hygrophilus T. K. Pal 1998: 3.
Type locality: India, Arunachal Pradesh, Lohit District, Zerogaon, 12 km O-Hayuliang.
Type depository: ZSIC.
Distribution: India: Arunachal Pradesh.

10. *Sarothrias indicus* Dajoz, 1978

Sarothrias indicus Dajoz, 1978: 322.
Sarothrias indicus: Löbl et Burckhardt, 1988: 10 (redescription).
Type locality: India, Madras, Cardamon Hills, 2 km N of Kumily.
Type depository: MHNG.
Distribution: India: Madras.

11. *Sarothrias lawrencei* Löbl et Burckhardt, 1988

Sarothrias lawrencei Löbl et Burckhardt, 1988: 11.
Type locality: Australia, Queensland, Bellenden Ker Range, 1 km S of Cable Tower 6.
Type depository: ANIC.
Sex of type: male.
Distribution: Australia: Queensland.

12. *Sarothrias morokanus* Poggi, 1991

Sarothrias morokanus Poggi, 1991: 677.
Type locality: New Guinea SE, Moroka.
Type depository: MCSN.
Sex of type: female.

Distribution: Papua New Guinea.

13. *Sarothrias pacificus* Slipinski et Löbl, 1995

Sarothrias pacificus Slipinski et Löbl, 1995: 50.

Type locality: New Caledonia, Mt. Koghi.

Type depository: BPBM.

Sex of type: female.

Distribution: New Caledonia.

14. *Sarothrias papuanus* Slipinski, 1986

Sarothrias papuanus Slipinski, 1986: 61.

Sarothrias papuanus: Löbl et Burckhardt, 1988: 16 (redescription).

Type locality: Papua New Guinea, EH province, Onerunka, Kainantu.

Type depository: MHNG.

Sex of type: female.

Distribution: Papua New Guinea.

15. *Sarothrias sinicus* Bi & Chen, 2015

Sarothrias sinicus Bi & Chen, 2015:54

Type locality: China, Wizang, Motuo, 1850 m.

Type depository: SNUC

Sex of type: male.

Distribution: China: Xizang, Yunnan.

16. *Sarothrias songi* Yin & Bi, 2018

Sarothrias songi Yin & Bi, 2018:13

Type locality: China, Hainan, Ledong Co., Jianfengling N.R., Minfeng Valley

Type depository: SNUC

Sex of type: male.

Distribution: China: Hainan.

genus *Saphophagus* Sharp, 1886

Saphophagus Sharp, 1886: 393 - type species: *Saphophagus minutus* Sharp, 1886: 3.

1. *Saphophagus minutus* Sharp, 1886

Saphophagus minutus Sharp, 1886: 394.

Saphophagus minutus: Löbl et Burckhardt, 1988: 16 (redescription).

Type locality: Neuseeland: Picton Helms.

Type depository: BMNH.

Saphophagus ferrugineus Broun, 1893: 1102.

Type locality: Neuseeland, Mount Cook.

Type depository: BMNH.

Distribution: New Zealand.

genus *Derolathrus* Sharp in Sharp & Scott, 1908

Derolathrus Sharp in Sharp & Scott, 1908: 430 - type species: *Derolathrus atomus* Sharp in Sharp & Scott, 1908: 431.

Lathridiomorphus Franz, 1969: 136 - type species: *Lathridiomorphus anophthalmus* Franz, 1969: 137.

Gomya Dajoz, 1973: 1051 - type species: *Gomya insularis* Dajoz, 1973: 1052.

Lathridiomimus (sic!): Dajoz, 1977: 1.

Derolathrus: Löbl et Burckhardt, 1988: 20 (new synonymy).

1. †*Derolathrus abyssus* Yamamoto & Parker, 2017

Derolathrus abyssus Yamamoto & Parker, 2017: 276.

Derolathrus abyssus: Háva & Allen, 2021b: 298 (distribution).

Type locality: Hukawng Valley, Kachin State of northern Myanmar.

Type depository: AMNH.

Distribution: Manmar (fossil: Burmese amber)

2. *Derolathrus anophthalmus* (Franz, 1969)

Lathridiomorphus anophthalmus Franz, 1969: 137.

Derolathrus anophthalmus: Löbl et Burckhardt, 1988: 21 (new combination).

Type locality: Gran Canaria, El Brezal, Moya.

Type depository: HFWC.

Distribution: Canary Is.: Gran Canaria.

3. *Derolathrus atomus* Sharp in Sharp et Scott, 1908

Derolathrus atomus Sharp in Sharp et Scott, 1908: 431.

Derolathrus atomus: Peck, 2010: 5 (distribution).

Type locality: Sandwich Is., Oahu.

Type depository: BMNH.

Distribution: Hawaii Is.: Oahu, Kauai, Molokai, Sandwich; Virgin Is.; Buck Is.; St. Croix Is.

4. *Derolathrus cavernicolus* Peck, 2010

Derolathrus cavernicolus Peck, 2010: 2.

Derolathrus cavernicolus: Yoshitomi & Hisasue, 2020: 206 (distribution).

Type locality: USA, Florida, Citrus County, Withlacoochee State forest.

Type depository: CMNC.

Distribution: USA: Alabama, Florida; Hawai Is.: Makapala; Barbados; Japan; Tanzania (copal)

5. †*Derolathrus capdoliensis* Tihelka, Peris, Cai & Perrichot, 2022

Derolathrus capdoliensis Tihelka, Peris, Cai & Perrichot, 2022:50

Type locality: France, Charente-Maritime.

Type depository: GGRF

Distribution: France (fossil Cretaceous Charentese amber)

6. *Derolathrus ceylonicus* (Sen Gupta, 1979)

Gomya ceylonica Sen Gupta, 1979: 696.

Derolathrus ceylonicus: Löbl et Burckhardt, 1988: 21 (new combination).

Type locality: Sri Lanka, North Western, Rajakudaluwa.

Type depository: MHNG.

Distribution: Sri Lanka.

7. *Derolathrus foveiceps* Théry, 2023

Derolathrus foveiceps Théry, 2023:1

Type locality: FLA: Dade Co., Everglades N, Royal Palm, Hammock.

Type depository: CMNC.

Distribution: USA: Florida

8. †*Derolathrus groehni* Cai, Leschen, Liu & Huang, 2016

Derolathrus groehni Cai, Leschen, Liu & Huang, 2016:2

Type locality: Baltic amber.

Type depository: GPIH.

Distribution: (fossil: Baltic amber)

9. *Derolathrus insularis* (Dajoz, 1973)

Gomya insularis Dajoz, 1973: 1052.

Derolathrus insularis: Löbl et Burckhardt, 1988: 21 (new combination).

Type locality: Mauritius, Triolet.

Type depository: MNHN.

Distribution: Mauritius Is.

10. *Derolathrus parvulus* (Rücker, 1983)

Gomya parvula Rücker, 1983: 685.

Derolathrus parvulus: Löbl et Burckhardt, 1988: 22 (new combination).

Type locality: Madeira, Funchal-Ajuda.

Type depository: MHNG.

Distribution: Portugal: Madeira Is.

11. *Derolathrus sharpi* Grouvelle in Grouvelle & Raffray, 1912

Derolathrus sharpi Grouvelle in Grouvelle & Raffray, 1912: 310.

Derolathrus sharpi: Peck, 2010: 5 (distribution).

Type locality: Guadeloupe.

Type depository: MNHN, BMNH.

Distribution: Guadeloupe Is.; Montserrat; USA: Virgin Is.: St. John Is.

12. *Derolathrus subtilis* Théry, 2023

Derolathrus subtilis Théry, 2023: 109.

Type locality: New Caledonia, Forêt Nord.

Type depository: MNHN

Distribution: New Caledonia

13. *Derolathrus troglophilus* (Sen Gupta, 1979)

Gomya troglophila Sen Gupta, 1979: 694.

Derolathrus troglophilus: Löbl et Burckhardt, 1988: 22 (new combination).

Type locality: Fiji, Viti Levu, Wailotua Cave.

Type depository: MHNG.

Distribution: Fiji Is.; New Caledonia; Vanuatu

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