

A World catalogue of the family Jacobsoniidae (Coleoptera)

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Abstract. A world catalogue of the family Jacobsoniidae (Coleoptera) is presented. It contains all taxa described to December 31, 2004.

INTRODUCTION

The family Jacobsoniidae is of uncertain relationships, provisionally placed within the series Bostrichiformia. The classification of the family follows Löbl & Burckhardt (1988), Lawrence & Newton (1995) and Lawrence et al. (1999). It includes 3 genera: *Sarothrias* Grouvelle, 1918, *Saphophagus* Sharp, 1886 and *Derolathrus* Sharp in Sharp & Scott, 1908 with 21 known species worldwide. All species are poorly represented in collections and little is known about their biology.

In addition to the taxonomic literature, the bibliography also includes papers dealing with biology, distribution, larvae and laboratory studies, and other theoretical and applied aspects.

The catalogue presents all known extant species and their distribution, described to December 2004, fossil species are not listed.

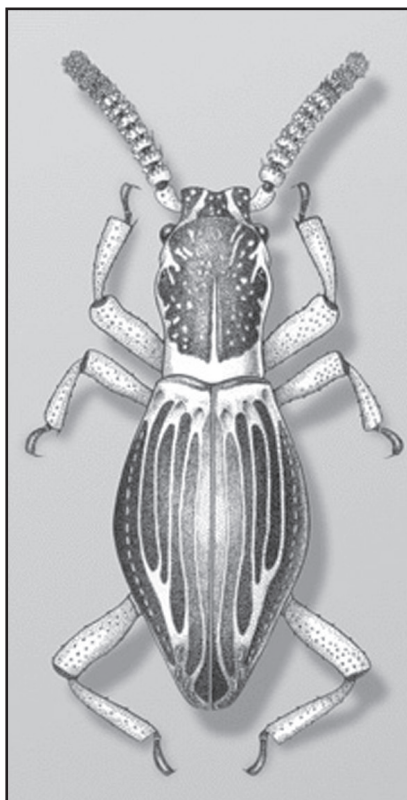


Fig. 1: *Sarothrias lawrencei* Löbl & Burckhardt, 1988:

LIST OF COLLECTIONS

Acronyms of collections follow Arnett et al. (1993) when possible.

ANIC	Australian National Insects Collection, SCIRO Entomology, Canberra, Australia
BMNH	British Museum Natural History [= The Natural History Museum], London, United Kingdom
BPBM	Bernice P. Bishop Museum, Honolulu, Hawaii, USA
DSIR	Department of Scientific and Industrial Research, Auckland, New Zealand
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
SMTD	Staatliche Museum für Tierkunde, Dresden, Germany
ZSIC	Zoological Survey of India, Calcutta, India

CATALOGUE OF ALL KNOWN SPECIES

Jacobsoniidae Heller, 1926

Syn.: Jacobsoniidae Heller, 1926: 127.
Sarthriidae Crowson, 1955: 75.
Cerolathriinae (sic!) Sen Gupta, 1979: 692.

Genus *Sarthrias* Grouvelle, 1918: 7.

Type species: *Sarthrias eximius* Grouvelle, 1918: 8.

Syn.: *Jacobsonium* Heller, 1926:126 – type species: *Jacobsonium dimerum* Heller, 1926: 128.
Jacobsonium: Crowson, 1955: 75. [synonymy]

LIST OF SPECIES

- 1. *Sarthrias amabilis*** Slipinski & Löbl, 1995: 49.
Type locality. Malaysia, Pahang, Tioman Is., Kg. Tekek Umg.
Type depository. MHNG.
Distribution. Malaysia: Pahang Is..
- 2. *Sarthrias audax*** Slipinski & Löbl, 1995: 52.
Type locality. Tanimbar Is., Yamdera Sangliat Krawain.

Type depository. MHNG.
Distribution. Indonesia: Tanimbar Is.

3. *Sarothrias bournei* Slipinski, 1986: 59.

Syn.: *Sarothrias bournei*: Löbl & Burckhardt, 1988: 10. [redescription]

Type locality. Neu-Britannien, Pomio.

Type depository. MHNG.

Distribution. Papua New Guinea: New Britain Is.

4. *Sarothrias crowsoni* Löbl & Burckhardt, 1988: 7.

Type locality. Malaysia, Sabah, Poring Hot Springs.

Type depository. MHNG.

Distribution. Malaysia: Sabah.

5. *Sarothrias dimerus* (Heller, 1926: 128).

Syn.: *Jacobsonium dimerum* Heller, 1926: 128.

Sarothrias dimerus: Crowson, 1955: 75.

Sarothrias dimerus: Löbl & Burckhardt, 1988: 11. [new combination]

Sarothrias dimerus: Burckhardt & Löbl, 1990: 238. [redescription]

Type locality. Indonesia, Sumatra, Monte Singgalang.

Type depository. SMTD.

Distribution. Indonesia: Sumatra Is.

6. *Sarothrias eximius* Grouvelle, 1918:8.

Syn.: *Sarothrias eximius*: Löbl & Burckhardt, 1988:8. [redescription]

Type locality. Seychellen, Silhouette, Wald Mont Pot-a-eau.

Type depository. MNHN.

Distribution. Seychelles Is.

7. *Sarothrias fijianus* Löbl & Burckhardt, 1988:9.

Type locality. Fiji, Viti Levu, Nandarivatu.

Type depository. DSIR.

Distribution. Fiji Is.

8. *Sarothrias hygrophilus* Pal 1998: 3.

Type locality. India, Arunachal Pradesh, Lohit District, Zerogaon, 12 km O-Hayuliang.

Type depository. ZSIC.

Distribution. India: Arunachal Pradesh.

9. *Sarothrias indicus* Dajoz, 1978: 322.

Syn.: *Sarothrias indicus*: Löbl & Burckhardt, 1988: 10. [redescription]

Type locality. India, Madras, Cardamon Hills, 2 km N of Kumily.

Type depository. MHNG.

Distribution. India: Madras.

- 10. *Sarothrias lawrencei*** Löbl & Burckhardt, 1988: 11.
 Type locality. Australia, Queensland, Bellenden Ker Range, 1 km S of Cable Tower 6.
 Type depository. ANIC.
 Distribution. Australia: Queensland.
- 11. *Sarothrias morokanus*** Poggi, 1991: 677.
 Type locality. New Guinea SE, Moroka.
 Type depository. MCSN.
 Distribution. Papua New Guinea.
- 12. *Sarothrias pacificus*** Slipinski & Löbl, 1995: 50.
 Type locality: New Caledonia, Mt. Koghi..
 Type depository. BPBM.
 Distribution. New Caledonia.
- 13. *Sarothrias papuanus*** Slipinski, 1986: 61.
 Syn.: *Sarothrias papuanus*: Löbl & Burckhardt, 1988: 16. [redescription]
 Type locality. Papua New Guinea, EH province, Onerunka, Kainantu.
 Type depository. MHNG.
 Distribution. Papua New Guinea.

Genus *Saphophagus* Sharp, 1886: 393.

Type species: *Saphophagus minutus* Sharp, 1886: 394.

LIST OF SPECIES

- 1. *Saphophagus minutus*** Sharp, 1886: 394.
 Syn.: *Saphophagus minutus*: Löbl & Burckhardt, 1988: 16. [redescription]
 Type locality. Neuseeland: Picton Helms.
 Type depository. BMNH.
 Syn.: *Saphophagus ferrugineus* Broun, 1893: 1102.
 Type locality. Neuseeland, Mount Cook.
 Type depository. BMNH.
 Distribution. New Zealand.

Genus *Derolathrus* Sharp in Sharp & Scott, 1908: 430.

Type species: *Derolathrus atomus* Sharp in Sharp & Scott, 1908: 431.

- Syn.: *Lathridiomorphus* Franz, 1969: 136 – type species: *Lathridiomorphus anophthalmus* Franz, 1969: 137.
Gomya Dajoz, 1973: 1051 – typespecies: *Gomya insularis* Dajoz, 1973: 1052.
Lathridiomimus (sic!): Dajoz, 1977: 1.
Derolathrus: Löbl & Burckhardt, 1988: 20.

LIST OF SPECIES

1. *Derolathrus anophthalmus* (Franz, 1969: 137).
Syn.: *Lathridiomorphus anophthalmus* Franz, 1969: 137.
Derolathrus anophthalmus: Löbl & Burckhardt, 1988: 21. [new comb.]
Type locality. Gran Canaria, El Brezal, Moya.
Type depository. HFWC.
Distribution. Canary Is.: Gran Canaria.
2. *Derolathrus atomus* Sharp in Sharp & Scott, 1908: 431.
Type locality. Sandwich Is., Oahu
Type depository. BMNH.
Distribution. Hawaii Is.: Oahu.
3. *Derolathrus ceylonicus* (Sen Gupta, 1979: 696).
Syn.: *Gomya ceylonica* Sen Gupta, 1979: 696.
Derolathrus ceylonicus: Löbl & Burckhardt, 1988: 21. [new combination]
Type locality. Sri Lanka, North Western, Rajakudaluwa.
Type depository. MHNG.
Distribution. Sri Lanka.
4. *Derolathrus insularis* (Dajoz, 1973: 1052).
Syn.: *Gomya insularis* Dajoz, 1973: 1052.
Derolathrus insularis: Löbl & Burckhardt, 1988: 21. [new combination]
Type locality. Mauritius, Triolet.
Type depository. MNHN.
Distribution. Mauritius Is.
5. *Derolathrus parvulus* (Rücker, 1983: 685).
Syn.: *Gomya parvula* Rücker, 1983: 685.
Derolathrus parvulus: Löbl & Burckhardt, 1988: 22. [new combination]
Type locality. Madeira, Funchal-Ajuda.
Type depository. MHNG.
Distribution. Portugal: Madeira Is.
6. *Derolathrus sharpi* Grouvelle in Grouvelle & Raffray, 1912: 310.
Type locality. Guadeloupe.
Type depository. MNHN, BMNH.
Distribution. Guadeloupe Is.
7. *Derolathrus troglophilus* (Sen Gupta, 1979: 694).
Syn.: *Gomya troglophila* Sen Gupta, 1979: 694.
Derolathrus troglophilus: Löbl & Burckhardt, 1988: 22. [new comb.]

Type locality. Fiji, Viti Levu, Wailotua Cave.

Type depository. MHNG.

Distribution: Fiji Is.

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