

Eine aktualisierte Checkliste der Saturniiden von Java und Bali, Indonesien (Lepidoptera: Saturniidae)

An updated checklist of the saturniid moths of Java and Bali,
Indonesia (Lepidoptera: Saturniidae)

ULRICH PAUKSTADT & LAELA H. PAUKSTADT

Key Words: Lepidoptera, Saturniidae, wild silkmoth, Java, Bali, Indonesia, taxonomy, distribution.

Systematics: Insecta-; Lepidoptera-; Glossata-; Heteroneura-;

Bombycoidea-;

Saturniidae-; Saturniidae Boisduval, 1837 [“1834”]

Saturniidae-; Saturniinae Boisduval, 1837 [“1834”]

Saturniinae-; Attacini Blanchard, 1840

Attacini-; Attacus Linnaeus, 1767

Attacus-; Phalaena atlas Linnaeus, 1758; STATUS-; type-species of
Attacus Linnaeus, 1767 by subsequent designation by the ICZN (Opinion
450)

Attacus-; atlas (Linnaeus, 1758) (*Phalaena*)

Attacini-; Archaeoattacus Watson in Packard, 1914

Archaeoattacus-; Attacus edwardsii White, 1859; STATUS-; type-species
of *Archaeoattacus* Watson in Packard, 1914 by original designation

Archaeoattacus-; staudingeri (W. Rothschild, 1895) (*Attacus*)

Attacini-; Samia Hübner, 1819 [“1816”]

Samia-; Phalaena cynthia Drury, 1773; STATUS-; type-species of *Samia*
Hübner, 1819 [“1816”] by subsequent designation by Grote (1865)

Samia-; insularis (Snellen van Vollenhoven, 1862) (*Philosamia*)

Samia-; abrerai Naumann & Peigler, 2001 (*Samia*)

Saturniinae-; Saturniini Boisduval, 1837 [“1834”]

Saturniini-; Actias Leach in Leach & Nodder, 1815

Actias-; Phalaena luna Linnaeus, 1758; STATUS-; type-species of *Actias*
Leach in Leach & Nodder, 1815 by subsequent designation by Grote
(1874)

Actias-; selene-group (sensu Nässig 1994); STATUS-; tentative collective-
group name

Actias-; selene-subgroup (sensu Paukstadt & Paukstadt 2022); STATUS-;
tentative collective-group name

Actias-; selene (Hübner, 1807) (*Echidna Caudata*)

Actias-; seitz-subgroup (sensu Paukstadt & Paukstadt 2022); STATUS-;
tentative collective-group name

Actias-; seitz seitz Kalis, 1934 (*Actias*)

Actias-; maenas-group (sensu Nässig 1994); STATUS-; tentative
collective-group name

Actias-; maenas Doubleday, 1847 (*Actias*)

Actias-; maenas diana Maassen in Maassen [& Weymer], 1872 (*Actias*)

Saturniini-; *Antheraea* Hübner, 1819 [“1816”]

Saturniini-; *Phalaena mylitta* Drury, 1773; STATUS-; type-species of *Antheraea* Hübner, 1819 [“1816”] by subsequent designation by Kirby (1892)

***Antheraea*-; *Antheraea* Hübner, 1819 [“1816”]; STATUS-; subgenus of *Antheraea* Hübner, 1819 [“1816”]**

Antheraea-; ***paphia/frithi*-group** (sensu Nässig 1991); STATUS-; tentative collective- group name

Antheraea-; ***frithi*-complex** (sensu Paukstadt & Paukstadt 2011); STATUS-; tentative collective-group name

Antheraea-; *jana* (Stoll in Cramer, 1782) (*Phalaena Attacus*)

Antheraea-; *surakarta* Moore, 1862 (*Antheraea*); STATUS-; nomen nudum

Antheraea-; *surakarta* Moore, 1892 (*Antheraea*); STATUS-; junior subjective synonym of *jana* (Stoll in Cramer, 1782)

Antheraea-; *pasteuri* Bouvier, 1928 (*Antheraea*); STATUS-; junior subjective synonym of *jana* (Stoll in Cramer, 1782)

Antheraea-; *tenggarensis* Brechlin, 2000 (*Antheraea* (*Antheraea*)); STATUS-; junior subjective synonym of *jana* (Stoll in Cramer, 1782)

Antheraea-; ***platessa*-complex** (sensu Paukstadt, Brosch & Paukstadt 1999); STATUS-; tentative collective-group name

Antheraea-; *platessa* Rothschild, 1903 (*Antheraea*)

Antheraea-; *raffrayi* Bouvier, 1928 (*Antheraea*)

Antheraea-; ***larissa*-subgroup** of the *paphia/frithi*-group (sensu Brechlin 2014); STATUS-; tentative collective-group name

Antheraea-; ***larissa*-complex** of the *larissa*-subgroup (sensu Paukstadt & Paukstadt 2018); STATUS-; tentative collective-group name

Antheraea-; *larissa* (Westwood, 1848) (*Saturnia*)

Antheraea-; *larissa larissa* (Westwood, 1848) (*Saturnia*)

Antheraea-; ***helferi*-group** (sensu Nässig 1991); STATUS-; tentative collective-group name

Antheraea-; ***helferi*-subgroup** (sensu Paukstadt, Paukstadt & Brosch 1998); STATUS-; tentative collective-group name

Antheraea-; *helferi* Moore, 1859 (*Antheraea*)

Antheraea-; *imperator* Watson, 1913 (*Antheraea*)

Antheraea-; ***yamamai*-subgroup** (sensu Paukstadt, Paukstadt & Brosch 1998); STATUS-; tentative collective-group name

Antheraea-; *diehli* Lemaire, 1979 (*Antheraea*)

Antheraea;- **pernyi-group** (sensu Nässig 1991); STATUS-; tentative collective-group name

Antheraea;- *jawabaratensis* Brechlin & Paukstadt, 2010 (*Antheraea* (*Antheraea*))

Antheraea;- ***Antheraeopsis* Wood-Mason, 1886**; STATUS-; subgenus of *Antheraea* Hübner, 1819 [“1816”]

Antheraeopsis -; *Saturnia assama* Westwood, 1848; STATUS-; type-species of *Antheraeopsis* Wood-Mason, 1886

Antheraeopsis;- **youngi-group** (sensu Nässig, 1991); STATUS-; tentative collective-group name

Antheraeopsis;- *youngi* Watson, 1915 (*Antheraea*)

Antheraeopsis;- *rubiginea* Toxopeus, 1940 (*Antheraea*)

Saturniini-; *Cricula* Walker, 1855

Remarks: *Cricula* Walker, 1855 was first established in the Drepanulidae (now Drepanidae) and was placed in the Saturniidae by Herrich-Schäffer ([1858] 1850-1858: 61)

Cricula;- *Saturnia trifenestrata* Helfer, 1837; STATUS-; type-species of *Cricula* Walker, 1855 by monotypy

Cricula;- ***trifenestrata-group*** (sensu Paukstadt & Paukstadt 2019); STATUS-; tentative collective-group name

Cricula;- *trifenestrata* (Helfer, 1837) (*Saturnia* (?))

Cricula;- *trifenestrata javana* Watson, 1913 (*Cricula*)

Cricula;- *trifenestrata tenggarensis* Paukstadt, Paukstadt & Suhardjono, 1998 (*Cricula*)

Cricula;- ***elaezia-group*** (sensu Paukstadt & Paukstadt 2019); STATUS-; tentative collective-group name

Cricula;- *elaezia* Jordan, 1909 (*Cricula*)

Cricula;- *pelengensis* Paukstadt & Paukstadt, 2009 (*Cricula*)

Cricula;- *baliensis* Naumann & Löffler, 2010 (*Cricula*); STATUS-; junior subjective synonym of *pelengensis* Paukstadt & Paukstadt, 2009

Saturniini-; *Loepa* Moore, 1859

Saturniini-; *Loepa* Moore in Horsfield & Moore, 1860 [“1858-9”];

STATUS-; “redescription”, junior homonym of *Loepa* Moore, 1859

Loepa;- *Saturnia katinka* Westwood, 1848; STATUS-; type-species of *Loepa* Moore, 1859 by monotypy

Saturniini-; ***katinka-group*** (sensu Naumann 1995); STATUS-; tentative collective-group name

Saturniini-; ***katinka-subgroup*** of the *katinka-group* (sensu Naumann 1995); STATUS-; tentative collective-group name

Loepa;- *katinka* (Westwood, 1848) (*Saturnia*)

Loepa;-; *cynopsis* Nässig & Suhardjono, 1989 (*Loepa*)
Loepa;-; *baliensis* Paukstadt & Paukstadt, 2010 (*Loepa*)
Loepa;-; **sikkima-subgroup** of the *katinka*-group (sensu Naumann 1995);
 STATUS-; tentative collective-group name
Loepa;-; *sikkima* Moore, 1866 [“1865”] (*Loepa*)
Loepa;-; *javanica* Mell, 1939 (*Loepa*)
Loepa;-; *hayatae* Paukstadt & Brechlin, 2011 (*Loepa*)

Saturniini-; *Lemaireia* Nässig & Holloway in Holloway, 1987

Lemaireia;-; Nässig & Holloway, 1988; STATUS-; “redescription”, junior
 homonym of *Lemaireia* Nässig & Holloway in Holloway, 1987
Lemaireia;-; *loepoides* Butler, 1880; STATUS-; type-species of *Lemaireia*
 Nässig & Holloway in Holloway, 1987 by original designation
Lemaireia;-; ***chrysopeplus*-group** (sensu Nässig & Wang 2006); STATUS-;
 tentative collective-group name
Lemaireia;-; *chrysopeplus* (Toxopeus, 1940) (*Syntherata*)

Remarks: In this paper, the islands of Java and Bali are treated together for zoogeographical reasons. Geographically, the island of Bali is the westernmost island of the Lesser Sunda Islands but is not part of Wallacea. The saturniid faunas of Java and Bali are almost identical, but with a decreasing number of species on Bali. So far, only one taxon known from the Wallacea has also been recorded on the island of Bali. This is *Cricula trifenestrata tenggarensis* PAUKSTADT, PAUKSTADT & SUHARDJONO, 1998. This taxon was described from the island of Sumba but is widespread in the Lesser Sunda Islands, as verified by comparisons of DNA structures (at BOLD).

Statement: The collective-group names used in this contribution were established tentative for certain assemblages of taxonomic convenience only. They do not comply with the requirements for a valid description according to the provisions of the International Code of Zoological Nomenclature, 4th Edition (London) – ICZN (1999).

Eine aktualisierte Checkliste der Saturniiden von Java und Bali, Indonesien (Lepidoptera: Saturniidae)

An updated checklist of the saturniid moths of Java and Bali, Indonesia (Lepidoptera: Saturniidae)

Abstract: Studies of the wild silkmoths (Lepidoptera: Saturniidae) of Java and Bali have been carried out in the past by various entomologists and have led to descriptions of several new taxa, cf. Stoll (1782), Westwood (1848), Snellen van Vollenhoven (1862), Maassen (1872), Moore (1892), Rothschild (1895), Jordan (1909), Watson (1913), Bouvier (1928), Kalis (1934), Mell (1939), and Toxopeus (1940). Only recently have the Saturniids of the two islands been examined more closely, their life histories were described and compared, and the DNA structures compared (at BOLD). In this way, distribution ranges could be determined and populations delimited, which led to descriptions of numerous endemic taxa, cf. Nässig & Suhardjono (1989), Paukstadt, Paukstadt & Suhardjono (1998), Naumann & Peigler (2001), Paukstadt & Paukstadt (2009, 2010), Brechlin & Paukstadt (2010), and Paukstadt & Brechlin (2011). Thus far, a systematic work on the Saturniidae of the islands of Java and Bali is lacking. In this contribution, the islands of Java and Bali are treated together for zoogeographical reasons. Geographically, the island of Bali belongs to the Lesser Sunda Islands, but not to Wallacea. The saturniid faunas of Java and Bali are almost identical, but with decreasing species numbers on Bali. 20 taxa are known from Java and Bali of which 13 are endemic to Java and/or Bali.

Ringkasan: Studi tentang ngengat Saturniidae (Lepidoptera) di Jawa dan Bali telah dilakukan di masa lalu oleh berbagai ahli entomologi dan telah menghasilkan deskripsi beberapa taksa baru, lihat Stoll (1782), Westwood (1848), Snellen van Vollenhoven (1862), Maassen (1872), Moore (1892), Rothschild (1895), Jordan (1909), Watson (1913), Bouvier (1928), Kalis (1934), Mell (1939) dan Toxopeus (1940). Baru-baru ini Saturniidae dari dua pulau diperiksa lebih terperinci, tahap praimajinal mereka dijelaskan dan dibandingkan, begitu pula DNAny (pada BOLD). Dengan cara ini, daerah distribusi dan populasinya dapat ditentukan serta dibatasi, yang mengarah pada deskripsi banyak taksa endemik, lihat Nässig & Suhardjono (1989), Paukstadt, Paukstadt & Suhardjono (1998), Naumann & Peigler (2001), Paukstadt & Paukstadt (2009, 2010), Brechlin & Paukstadt (2010), dan Paukstadt & Brechlin (2011). Sejauh ini, karya sistematis tentang Saturniidae di pulau Jawa dan Bali masih kurang. Dalam kontribusi ini, pulau Jawa dan Bali diperlakukan bersama karena alasan zoogeografis. Secara geografis, pulau Bali termasuk ke dalam Kepulauan Sunda Kecil, tetapi bukan masuk ke Wallacea. Fauna Saturniidae di Jawa dan Bali hampir sama, namun jumlah spesies di Bali semakin berkurang. Dari 20 taksa yang diketahui dari Jawa dan Bali dimana 13 taksa di antaranya endemik di Jawa dan/atau Bali.

Einleitung

Untersuchungen der wilden Seidenspinner (Lepidoptera: Saturniidae) von Java und Bali wurden in der Vergangenheit von verschiedenen Entomologen durchgeführt und führten zu Beschreibungen neuer Taxa, vgl. Stoll (1782), Westwood (1848), Snellen van Vollenhoven (1862), Maassen (1872), Moore (1892), Rothschild (1895), Jordan (1909), Watson (1913), Bouvier (1928), Kalis (1934), Mell (1939) und Toxopeus (1940). Erst kürzlich wurden die Saturniiden der beiden Inseln genauer untersucht. Die Präimaginalstadien einiger Taxa wurden beschrieben und die DNA-Strukturen wurden verglichen (bei BOLD). Auf diese Weise konnten Verbreitungsgrenzen neu bestimmt und konspezifische Populationen eingegrenzt werden, was zu Beschreibungen zahlreicher endemischer Taxa führte, vgl. Nässig & Suhardjono (1989), Paukstadt, Paukstadt & Suhardjono (1998), Naumann & Peigler (2001), Paukstadt & Paukstadt (2009, 2010), Brechlin & Paukstadt (2010) und Paukstadt & Brechlin (2011). Eine systematische Bearbeitung der Saturniiden der Inseln Java und Bali fehlte bisher. Derzeit sind 20 Taxa von Java und Bali bekannt von denen 13 Taxa auf Java und/oder Bali endemisch vorkommen.

In diesem Beitrag werden die Inseln Java und Bali aus zoogeographischen Gründen gemeinsam behandelt. Geographisch gehört die Insel Bali zu den Kleinen Sundainseln, aber nicht zu Wallacea. Die Saturniiden-Faunen von Java und Bali sind nahezu identisch, jedoch mit abnehmender Artenzahl auf Bali. Bisher wurde nur ein bekanntes Taxon der Wallacea auch auf Bali nachgewiesen. Dieses ist *Cricula trifenestrata tenggarensis* PAUKSTADT, PAUKSTADT & SUHARDJONO, 1998. Dieses Taxon wurde ursprünglich von der Insel Sumba (Östliche Kleinen Sundainseln) beschrieben, ist aber auf den Kleinen Sundainseln weit verbreitet, wie Vergleiche der DNA-Strukturen (bei BOLD) bestätigten. Bali bildet die westlichste Verbreitungsgrenze für *C. trifenestrata tenggarensis*.

In der Inselkette der Grossen und der Kleinen Sundainseln bildet Java die östlichste Verbreitungsgrenze für die Taxa der *seitzi*-Untergruppe der Gattung *Actias*, für die Untergattung *Antheraeopsis* der Gattung *Antheraea*, für die *helferi*-Gruppe, die *pernyi*-Gruppe und die *larissa*-Untergruppe der Untergattung *Antheraea*, für die Gattung *Lemaireia* und für *Samia insularis*. Die Insel Bali bildet die östlichste Verbreitungsgrenze für *Attacus atlas*, *Samia abrerai*, für die Taxa der *elaesia*-Gruppe und die Gattung *Loepa*. Die genannten Verbreitungsgrenzen wurden während unzähliger entomologischer Expeditionen der Autoren im Indonesischen Archipel festgestellt.

**Checklist of the Saturniidae (Lepidoptera) of the island of Java and
Bali and the adjacent smaller islands, Indonesia
(provinces of Java and the province of Bali only)**

Tribe Attacini BLANCHARD, 1840

Genus *Attacus* LINNAEUS, 1767

atlas atlas (LINNAEUS, 1758) (the easternmost distribution is Bali I.)

Genus *Archaeoattacus* WATSON *in* Packard, 1914

staudingeri (W. ROTHSCILD, 1895) (the easternmost distribution is Java I.)

Genus *Samia* HÜBNER, 1819 [“1816”]

insularis (SNELLEN VAN VOLLENHOVEN, 1862) (the easternmost
distribution is Java I.)

abrerai NAUMANN & PEIGLER, 2001 (endemic to Java I. and Bali I.)

Tribe Saturniini BOISDUVAL, 1837 [“1834”]

Genus *Actias* LEACH *in* Leach & Nodder, 1815

selene-group

seitzi-subgroup

seitzi seitzi KALIS, 1934 (endemic to Java I.)

maenas-group

maenas diana MAASSEN *in* Maassen [& Weymer], 1872 (endemic to Java
I. and Bali I.)

Genus *Antheraea* HÜBNER, 1819 [“1816”]

Subgenus *Antheraea* HÜBNER, 1819 [“1816”]

paphia/frithi-group

frithi-complex

jana (STOLL *in* Cramer, 1782) (the westernmost distribution is Java I.)

platessa-complex

raffrayi BOUVIER, 1928 (endemic to Java I. and Bali I.)

larissa-subgroup of the *paphia/frithi*-group

larissa-complex of the *larissa*-subgroup

larissa larissa (WESTWOOD, 1848) (endemic to Java I.)

helpferi-group

helpferi-subgroup

imperator WATSON, 1913 (endemic to Java I.)

pernyi-group

jawabaratensis BRECHLIN & PAUKSTADT, 2010 (endemic to Java I.)

Subgenus *Antheraeopsis* WOOD-MASON, 1886

youngi-group

rubiginea TOXOPEUS, 1940 (endemic to Java I.)

Genus *Cricula* WALKER, 1855

trifenestrata-group

trifenestrata javana WATSON, 1913 (endemic to Java I. and adjacent smaller islands like Bawean I.)

trifenestrata tenggarensis PAUKSTADT, PAUKSTADT & SUHARDJONO, 1998 (the westernmost distribution in the Lesser Sundas is Bali I.)

elaezia-group

elaezia JORDAN, 1909

pelengensis PAUKSTADT & PAUKSTADT, 2009 (endemic to Bali I. and probably eastern Java)

Genus *Loepa* MOORE, 1859

katinka-group

katinka-subgroup of the *katinka*-group

cynopsis NÄSSIG & SUHARDJONO, 1989 (endemic to Java I.)

baliensis PAUKSTADT & PAUKSTADT, 2010 (endemic to Bali I. and probably eastern Java)

sikkima-subgroup of the *katinka*-group

hayatae PAUKSTADT & BRECHLIN, 2011 (endemic to Java I.)

Genus *Lemaireia* NÄSSIG & HOLLOWAY in Holloway, 1987

chrysopeplus-group

chrysopeplus (TOXOPEUS, 1940)

Remarks: Further taxa were recorded from the islands of Java and Bali. Some records based on misidentifications, mislabeled specimens or single records which have not yet been confirmed with fresh material (below list might be incomplete).

1. *Antheraea diehli* LEMAIRE, 1979 for Java, cf. Nässig, Lampe & Kager (1996)
2. *Antheraea* (A.) *larissa* (WESTWOOD, 1848) for Bali, cf. Paukstadt, Paukstadt & Naumann (2000)

Literatur

- Blanchard, E. (1840): Histoire naturelle des Insectes, Orthoptères, Névroptères, Hémiptères, Myménoptères, Lépidoptères et Diptères, III: 672 pp., [72] pls. [without pagination].
- Boisduval, J. B. A. d'E. (1834-1843): Icones historique des Lépidoptères nouveaux ou peu connus. Collection, avec figures coloritées, des Papillons d'Europe nouvellement découverts, ouvrage format le complément de tous les Auteurs iconographes. 19-30; Vol. II (1834) [Huitième Tribu. Saturnides. *Saturnides*.], Roret (Paris).
- Bouvier, E.-L. (1928): Eastern Saturniidae with descriptions of new species. – Bulletin of the Hill Museum (Wormley, Witley), II (2): pp. 122-141; pls. II–VII & Corrigenda “Explanation of the plates II–VII” and later published “Remarks by the Publisher”.
- Brechlin, R. (2014): Sechs neue Arten der Gattung *Antheraea* HÜBNER, 1819 („1816”) (Lepidoptera: Saturniidae). – Entomo-Satsphingia, 7 (1), 20.01.2014: pp. 32-40; 3 col.-pls. (18 figs.).
- Brechlin, R. & Paukstadt, U. (2010): Einige Anmerkungen zur *pernyi*-Gruppe der Gattung *Antheraea* HÜBNER, 1819 [„1816“] mit Beschreibungen neuer Arten (Lepidoptera: Saturniidae). – Entomo-Satsphingia, 3 (2): pp. 5-12, 3 col.-pls. (23 col.-figs. and 1 b/w-fig.).
- Butler, A. G. (1880): Descriptions of new Species of Asiatic Lepidoptera Heterocera. – The Annals and Magazine of Natural History (London), Vol. 6 of 5th series, 1880: pp. 61-69.
- Drury, D. (1773): Illustration of Natural History. Wherein are exhibited Upwards of Two Hundred Figures of Exotic Insects, According to their different Genera, Vol. II. – B. White (London); 1 (index): xiii pp.; 2: vii + 90 pp.; 50 col.-pls.
- Doubleday, E. (1847): Description of a new species of the genus *Actias* of Hübner, from northern India. – The Annals and Magazine of Natural History (London), XIX: pp. 95-96, pl. VII.

- Grote, A. R. (1865): Notes on the Bombycidae of Cuba. – Proceedings of the Entomological Society of Philadelphia (Philadelphia), 5: pp. 227-255.
- Grote, A. R. (1874): List of the North American Platyperterices, Attaci, Hemileucini, Ceratocampadae [sic], Lachneides, Teredines and Hepiali, with notes. – Proceedings of the American Philosophical Society (Philadelphia), 14: pp. 256-264.
- Helfer, T. W. (1837): On the indigenous Silkworms of India. – The Journal of the Asiatic Society of Bengal (Calcutta), VI (I): pp. 38-47; pls. V-VI.
- Herrich-Schäffer, G. A. W. (1843-1856): Systematische Bearbeitung der Schmetterlinge von Europa, zugleich als Text, Revision und Supplement zu J. Hübner's Sammlung Europäischer Schmetterlinge.
- Holloway, J. D. (1987): The moths of Borneo, part 3, Lasiocampidae, Eupterotidae, Bombycidae, Brahmaeidae, Saturniidae, Sphingidae. – Southdene Sdn. Bhd. (Kuala Lumpur); 199 pp.; 5 text-figs., 18 b/w-pls. (163 figs.), 20 col.-pls.
- Hübner, J. (1816-[“1826”]): Verzeichnis bekannter Schmettlinge. – J. Hübner (Augsburg); 431 + 72 pp.
- International Trust of Zoological Nomenclature (1999): International Code of Zoological Nomenclature. Fourth Edition (London); 306 pp.
- ICZN (1957): Opinion 450 Suppression under the Plenary Powers of the generic name *Phalaena* Linnaeus, 1758, and validation as of subgeneric status (a) as from 1758, of the terms *Bombyx*, *Noctua*, *Geometra*, *Tortrix*, *Pyalis*, *Tinea*, and *Alucita* as used by Linnaeus for groups of species of the genus *Phalaena* and (B) as from 1767 of the term *Attacus* similarly published by Linnaeus and matters incidental thereto (class Insecta, order Lepidoptera). Opinions and Declarations rendered by the ICZN, 15(15): pp. 251-328.
- Jordan, K. (1909): On the species of *Cricula*, a genus of Saturniidae. – Novitates Zoologicae (Tring), 16: pp. 300-306.
- Kalis, J. P. A. (1934): Über javanische Heteroceren V. – Entomologische Rundschau, 51: pp. 209-210.
- Leach, W. P. in Leach, W. P. & Nodder, R. P. (1815): The Zoological Miscellany; being Descriptions of new, or interesting Animals. Vol. II. – McMillan (London); 154 pp., col.-pls. 61-120.
- Lemaire, C. (1979): Descriptions de trois Attacidae Indo-Australiens. – Lambillionea, LXXXVIII (11-12): pp. 89-96; 5 figs.
- Linnaeus, C. (1758): Systema Naturae per Regna Tria naturae, secundum Classes, Ordines, Genera, Species, cum Characteribus, Differentiis, Synonymis, Locis. Tomus I. – Editio Decima, Reformata (Holmiae); 822 pp. [+ 5 pp. unnumbered]

- Linnaeus, C. (1767): *Systema Naturae*, per Regna Tria Naturae, secundum Classes, Ordines, Genera, Species cum Characteribus, Differentiis, Synonymis, Locis. Tomus I. – Editio decima tertia, ad Editionem duodecimam reformatam Holmiae (Vindobonae); pp. 533-1327 + [16] pp.
- Mell, R. (1939): Beiträge zur fauna sinica. XVIII. Noch unbeschriebene chinesische Lepidopteren (V). – *Deutsche Entomologische Zeitschrift Iris* (Dresden), 52: pp. 135-152.
- Moore, F. (1859): Synopsis of the known Asiatic species of Silk-producing Moths, with descriptions of some New Species from India. – *Proceedings of the Scientific Meetings of the Zoological Society of London* (London), XXVII: pp. 237-270; *Annulosa*, pls. LXIV-LXV.
- Moore, F. (1858-59 [1860]): *A Catalogue of the Lepidopterous Insects in the Museum of Natural History at The East-India House*, Vol. II.
- Moore, F. (1862): On the Asiatic Silk-producing Moths. – *Transactions of the Entomological Society of London* (London), (3) I (IV): pp. 313-322.
- Moore, F. (1865): XX. Descriptions of New Species of Bombyces from North Eastern India. – *Transactions of the Entomological Society of London* (London), (3) II (V): pp. 423-425; pl. XXII.
- Moore, F. (1892): Descriptions of some new Species of Asiatic Saturniidae. – *The Annals and Magazine of Natural History including Zoology, Botany and Geology* (London), 9 (6): pp. 448-453.
- Nässig, W. A. (1991): New morphological aspects of *Antheraea* HÜBNER and attempts towards a reclassification of the genus (Lepidoptera, Saturniidae). – *Wild Silkmoths '89/'90* (eds. H. Akai & M. Kiuchi): pp. 1-8, 4 figs.
- Nässig, W. A. (1994): Notes on the systematics of the *maenas*-group of the genus *Actias* LEACH 1815 (Lepidoptera: Saturniidae). – *Nachrichten des Entomologischen Vereins Apollo* (Frankfurt am Main), N.F. 15 (3): pp. 327-338.
- Nässig, W. A. & Holloway, J. D. (1988): On the systematic position of “*Syntherata*” *loepoides* BUTLER and its allies (Lep., Saturniidae). – *Heterocera Sumatrana* (Göttingen), 2 (6): pp. 115-127; 15 [+11] figs. [part. in col.].
- Nässig, W. A. & Suhardjono, Y. R. (1989): A new species of the genus *Loepa* (Saturniidae) from Java. – *Tinea* (Tokyo), 12 (23): pp. 205-210; 2 b/w-pls. (9 figs.).
- Nässig, W. A. & Wang Min (2006): First record of the saturniid genus *Lemaireia* NÄSSIG & HOLLOWAY, 1987 from Hainan island (PR China with the description of a new species (Lepidoptera: Saturniidae). – *Nachrichten des Entomologischen Vereins Apollo* (Frankfurt am Main), N.F. 27 (1/2): pp. 23-25, 1 col-fig. and 1 b/w-fig.
- Naumann, S. (1995): *Die Saturniiden-Fauna von Sulawesi, Indonesien* (thesis). – *Freie Universität Berlin*; 145 pp.; 15 col.-pls., 2 b/w-pls.

- Naumann, S. & Löffler, S. (2010): Notes on the Asian genus *Cricula* WALKER, 1855, with description of new species (Lepidoptera: Saturniidae). – Neue Entomologische Nachrichten (Marktleuthen), Supplement 2, 18. Januar 2010: pp. 1-24; 11 col.-pls. (146 figs.).
- Naumann, S. & Peigler, R. S. (2001): Four new species of the silkmoth genus *Samia* (Lepidoptera: Saturniidae). – Nachrichten des Entomologischen Vereins Apollo (Frankfurt am Main), N.F. 22 (2): pp. 75-83; col.-pl. (8 figs.), b/w-pl. (4 figs.).
- Packard, A. S. in Cockerell (edit.) (1914): Monograph of the bombycine moths of North America, including their transformations and origin of the larval markings and armature, part 3 (edit. by Cockerell): Families Ceratocampidae (exclusive of Ceratocampinae), Saturniidae, Hemileucidae, and Brahmaeidae. – Memoirs of the National Academy of Sciences, 12 (1): ix + 516 pp, incl. 113 pls., 32 col.
- Paukstadt, U. & Brechlin, R. (2011): *Loepa hayatia* sp. nov., ein neuer wilder Seidenspinner von Java, Indonesien (Lepidoptera: Saturniidae). – Beiträge zur Kenntnis der wilden Seidenspinner (Wilhelmshaven), 9 (6): pp. 258-268, 5 col.-figs.
- Paukstadt, U., Brosch, U. & Paukstadt, L. H. (1999): *Antheraea* (*Antheraea*) *schroederi* n. sp., eine neue Saturniide von den Philippinen (Lepidoptera: Saturniidae). – Galathea – Berichte des Kreises Nürnberger Entomologen eV (Nürnberg), Supplement 6: pp. 23-32; col.-pl. (4 figs.).
- Paukstadt, U. & Paukstadt, L. H. (2003): Zur Morphologie von *Antheraea* (*Loepantheraea*) *rosieri* (TOXOPEUS, 1940) comb. nov. (Lepidoptera: Saturniidae). – Beiträge zur Kenntnis der wilden Seidenspinner (Wilhelmshaven), 1 (1): pp. 23-39; 15 b/w-figs.
- Paukstadt, U. & Paukstadt, L. H. (2009): *Cricula pelengensis* sp. nov., eine neue Saturniide vom Banggai Archipel, Indonesien (Lepidoptera: Saturniidae). – Beiträge zur Kenntnis der wilden Seidenspinner (Wilhelmshaven), 7 (8): pp. 416-424; 1 col. text-fig., 1 b/w text-fig.
- Paukstadt, U. & Paukstadt, L. H. (2010): Zwei neue wilde Seidenspinner vom indonesischen Archipel: *Cricula trifenestrata barisanensis* subsp. nov. und *Loepa baliensis* sp. nov. (Lepidoptera: Saturniidae). – Beiträge zur Kenntnis der wilden Seidenspinner (Wilhelmshaven), 8 (5): pp. 203-228, 2 col.-pls. (10 figs.), 4 b/w-figs., 6 diagrams, 1 map.
- Paukstadt, U. & Paukstadt, L. H. (2018): Zur Morphologie des Flügelgeäders bei der Gattung *Antheraea* HÜBNER, 1819 („1816”) – Teil I (Lepidoptera: Saturniidae). – Beiträge zur Kenntnis der wilden Seidenspinner (Wilhelmshaven), 16 (3): pp. 71-100; 1 line drawing, 2 phot. h.-t.
- Paukstadt, U. & Paukstadt, L. H. (2018): Zur Morphologie des Flügelgeäders bei der Gattung *Antheraea* HÜBNER, 1819 („1816”) – Teil II (Lepidoptera: Saturniidae). – Beiträge zur Kenntnis der wilden Seidenspinner (Wilhelmshaven), 16 (4): pp. 103-148, 42 line drawings.

- Paukstadt, U. & Paukstadt, L. H. (2019): A Preliminary Annotated Checklist of the Indonesian Wild Silkmoths – Part X. The genus *Cricula* WALKER, 1855: Part 1, Introduction (Lepidoptera: Saturniidae: Saturniinae). – Beiträge zur Kenntnis der wilden Seidenspinner (Wilhelmshaven), 17 (2): pp. 63-108, 5 mpps.
- Paukstadt, U. & Paukstadt, L. H. (2022): Taxonomische Änderungen bei den Taxa der Untergattung *Antheraea* HÜBNER, 1819 [„1816“] von Südostasien und Beschreibungen neuer Taxa (Lepidoptera: Saturniidae). – Beiträge zur Kenntnis der wilden Seidenspinner (Wilhelmshaven), 20 (5): pp. 151-175; 17 col.-figs., 2 line drawings, 1 map.
- Paukstadt, U., Paukstadt, L. H. & Brosch, U. (1998a): *Antheraea (Antheraea) myanmarensis* n. sp., eine neue Saturniide von Südostasien (Lepidoptera: Saturniidae). – Entomologische Zeitschrift (Essen), 108 (2): pp. 57-64; col.-pl. (4 figs.), 3 b/w-figs.
- Paukstadt, U., Paukstadt, L. H. & Brosch, U. (1998b): Taxonomische Änderungen und Anmerkungen zu den Taxa der Gattung *Antheraea* HÜBNER [1819] von Sumatra, Indonesien (Lepidoptera: Saturniidae). – Entomologische Zeitschrift (Essen), 108 (8): pp. 317-324.
- Paukstadt, U., Paukstadt, L. H. & Naumann, S. (2000): Die Taxa der Gattung *Antheraea* HÜBNER, [1819] 1816 von der Insel Bali, Indonesien (Lepidoptera: Saturniidae). – Entomologische Zeitschrift (Stuttgart), 110 (2): pp. 55-57.
- Paukstadt, U., Paukstadt, L. H. & Suhardjono, Y. R. (1998): *Cricula trifenestrata tenggarensis* n. subsp., eine neue Unterart der Gattung *Cricula* WALKER 1855 von den östlichen Kleinen Sundainseln, Indonesien (Lepidoptera: Saturniidae). – Entomologische Zeitschrift (Essen), 108 (6): pp. 232-240; 8 figs.
- Rothschild, W. (1903): Some new butterflies and moths. – Novitates Zoologicae (Tring), 10: pp. 309-312.
- Rothschild, W. (1895): Notes on Saturniidae, with a preliminary revision of the family down to the genus *Automeris*, and descriptions of some new species. – Novitates Zoologicae (Tring), II: pp. 35–51, pl. X.
- Snellen van Vollenhoven, S. C. (1862): Description d'un Lépidoptère nouveau de la tribu des saturnides, appartenant á la faune sondaïque. – Revue et Magasin de Zoologie Pure et Appliquée (series 2) 14: pp. 337-339, pl. 14.
- Stoll, C. [1782] in Cramer, P. (1782): De Uitlandsche Kapellen Voorkomende in de drie waereld-Deelen Asia, Africa en America, by een verzameld en beschreeven. IV. Deel, pts. 32–34. Beschrijving van Plat CCCLXXXIII-CCCC. – Chez S. J. Baalde (Amsterdam), Chez Barthelémy Wild (Utrecht); pp. 165-252, col.-pls. CCCLXXXIII-CCCC [authorship and publication date according to ICZN-Opinion 516].
- Toxopeus, L. J. (1940): The Muga Silk Moth in Java (Lep., Saturniidae). – Entomologische Mededeelingen van Nederlandsch-Indië, 6 (1): pp. 14-15, pl. 2.

- Toxopeus, L. J. (1940): On two new Saturniidae from the Netherlands East Indies. – Entomologische Mededeelingen van Nederlandsch-Indië, 6 (3-4): pp. 59-61; 1 text-fig.
- Walker, F. (1855): List of the Specimens of Lepidopterous Insects in the Collection of the British Museum (London), V. – Lepidoptera Heterocera: pp. 977-1257.
- Watson, J. H. (1913): A new genus, a new species of *Anthera* [sic], and some geographical races of the genus *Cricula* (Saturnidae [sic]) from the Indo-Malay region. – Notes Leyden Mus., XXXV: pp. 184-185; pl. 8 (figs. 4-5).
- Watson, J. H. (1915): Some new forms of Malayan Saturnidae [sic!]. – Tijdschrift voor Entomologie uitgegeven door de Nederlandsche entomologische Vereeniging (Leiden, Harlem), LVIII: pp. 279-280.
- Westwood, J. O. (1848): The Cabinet of Oriental Entomology; being a selection of some of the rarer and more beautiful species of insects, natives of India and the adjacent islands, the greater portion of which are now for the first time described and figured. – William Smith (London); 2 + 88 pp., 42 col.-pls.
- White, A. (1859): Description of an *Attacus* from the East Indies, hitherto apparently unrecorded. – Proceedings of the Scientific Meetings of the Zoological Society of London (London), XXVII, 1859: pp. 115-116.
- Wood-Mason, J. (1886): Report of the Superintendent, Indian Museum. Appendix D. List of Entomological Specimens sent to the Silk Court of the Colonial and Indian Exhibition, London, 1886. – Annual Report and Lists of Accessions. April 1885 to March 1886 (Calcutta): pp. 19-22.

Verfasser:

Ulrich PAUKSTADT & Laela Hayati PAUKSTADT

Knud-Rasmussen-Strasse 5, 26389 Wilhelmshaven, Germany

e-mail: ulrich.paukstadt@gmx.de

<http://www.wildsilkmoth-paukstadt.de>

ZOBODAT - www.zobodat.at

Zoologisch-Botanische Datenbank/Zoological-Botanical Database

Digitale Literatur/Digital Literature

Zeitschrift/Journal: [Beiträge zur Kenntnis der wilden Seidenspinner](#)

Jahr/Year: 2022

Band/Volume: [20](#)

Autor(en)/Author(s): Paukstadt Ulrich, Paukstadt Laela Hayati

Artikel/Article: [Eine aktualisierte Checkliste der Saturniiden von Java und Bali, Indonesien \(Lepidoptera: Saturniidae\). An updated checklist of the saturniid moths of Java and Bali, Indonesia \(Lepidoptera: Saturniidae\) 314-328](#)