

ORIGINAL ARTICLE

A catalogue of Burmite inclusions

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Abstract Burmite (Burmese amber) from the Hukawng Valley in northern Myanmar is a remarkable valuable and obviously the most important amber for studying terrestrial diversity in the mid-Cretaceous. The diversity of Burmite inclusions is very high and many new taxa were found, including new order, new family/subfamily, and new genus. Till the end of 2016, 14 phyla, 21 classes, 65 orders, 279 families, 515 genera and 643 species of organisms are recorded, which are summarized and compiled in this catalogue. Among them, 587 species are arthropods. In addition, the specimens which can not be identified into species are also listed in the paper. The information on type specimens, other materials, host and deposition of types are provided.

Key words Burmese amber, fossil, Cretaceous, organism.

1 Introduction

Burmite (Burmese amber) from the Hukawng Valley in northern Myanmar is a remarkable valuable and obviously the most important amber for studying terrestrial diversity in the mid-Cretaceous. Burmese amber was traded with China since 2,000 years ago (around Han Dynasty). Until 2000, the worldwide scientific interest in this amber has just been triggered and hundreds papers have been published in the last decade, mostly on arthropods inclusions (Fig. 1). Most specimens came from the Hukawng Valley, Kachin State in northern Myanmar. The mining locality is at Noiye Bum, near Tanai Village (26°21'33.41"N, 96°43'11.88"E) (Cruickshank & Ko, 2003; Grimaldi *et al.*, 2002; Bai *et al.*, 2016). The deposits have been investigated and dated in detail by Cruickshank and Ko (2003) and Shi *et al.* (2012). We tentatively follow the age (98.8 ± 0.6 million years, Cenomanian, earliest Late Cretaceous) given by U-Pb dating of zircons from the volcanoclastic matrix of the amber (Shi *et al.*, 2012).

The taxonomic checklist of Burmite has been published by Ross *et al.* (2010) and updated in 2017 (Ross, 2017, online version). However, a catalogue with type specimens information and citations is still lacking till now. In this case, we prepared a catalogue contained the most information we can find from original papers. At the same time, it does not contain unpublished records or records from papers in press (including on-line proofs) or unsubstantiated on-line records. Till the end of 2016, 14 phyla, 21 classes, 65 Orders, 275 families, 515 genera and 643 species are recorded. Among them, 587 species of arthropods are known: Chelicerata Arachnida: Scorpione (22 species), Opiliones (3 species), Pseudoscorpiones (3 species), Solifugae (1 species), Palpigradi (1 species), Acari (Parasitiformes (4 species), Trombidiformes (1 species)), Ricinulei (2 species), Araneae (110 species), Thelyphonida (1 species); Myriapoda: Chilopoda (1 species), Diplopoda (1

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Received 11 November 2016, accepted 14 July 2017

Executive editor: Fuqiang Chen

species); Hexapoda: Entognatha (Collembola (9 species), Poduromorpha (1 species), Symphypleona (4 species)); Insecta (Zygentoma (3 species), Ephemeroptera (3 species), Odonata (9 species), Blattaria (2 species), Alienoptera (1 species), Mantodea (4 species), Isoptera (11 species), Orthoptera (5 species), Phasmatodea (1 species), Dermaptera (6 species), Grylloblattodea (1 species), Embioptera (4 species), Zoraptera (4 species), SuperOrder Pancondylognatha (3 species), Psocodea (7 species), Thysanoptera (1 species), Hemiptera (52 species), Raphidioptera (5 species), Neuroptera (33 species), Coleoptera (60 species), Strepsiptera (3 species), Mecoptera (4 species), Megaloptera (1 species), Diptera (118 species), Trichoptera (6 species), Lepidoptera (1 species), Hymenoptera (73 species)).

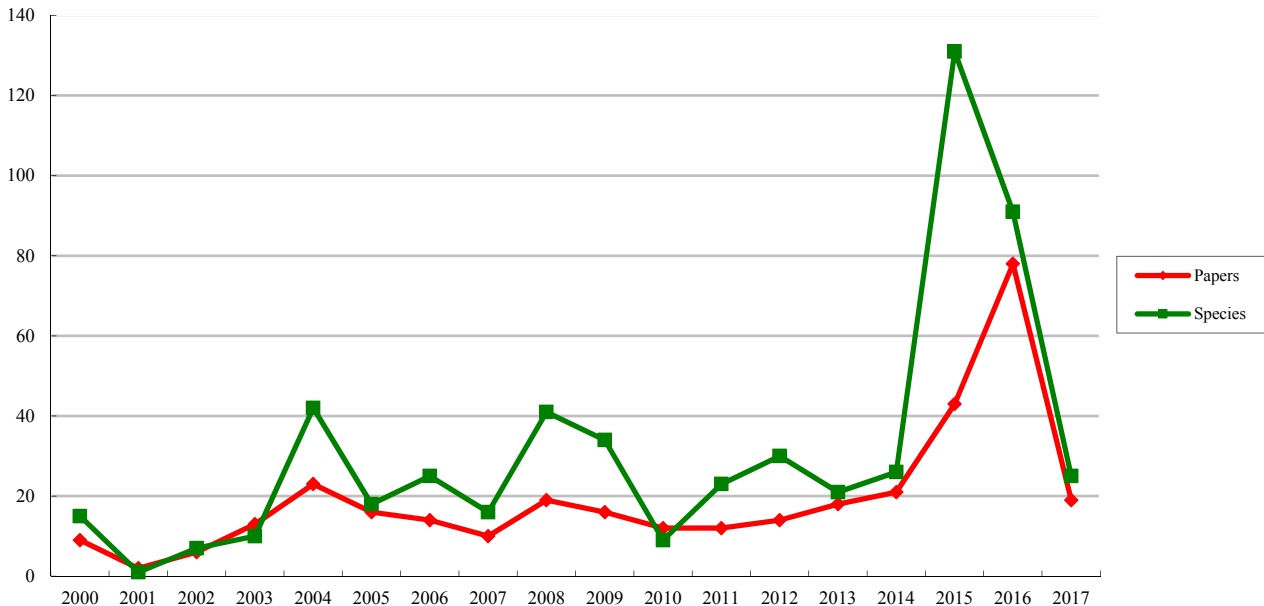


Figure 1. The variations of new species and papers published since 2000 based on Burmese amber (untill 28 February 2017).

In addition, a variety of other invertebrates, protists, plants, fungi and even rare vertebrate remains have been recorded. E.g. Protist: Proteobacteria (1 species); Apicomplexa (Conoidasida (1 species), Aconoidasida (1 species)), Metamonada (Parabasalida (3 species), Hypermastigea (4 species), Anaeromonadea (8 species)), Euglenozoa (3 species); Nematoda (7 species); Nematomorpha (1 species). Onychophora (1 species). Chordata (1 species). Fungi: (7 species). Plant: Bryophyta (7 species); Polypodiales (2 species); Angiospermae (Order *incertae sedis* (3 species), Laurales (2 species), Oxalidales (1 species), Cornales (1 species), Poales (2 species)).

Due to many reasons, many specimens can not be identified into species. However, these specimens may provide some information for us to understand the ancient environment. In this case, the specimens which can be identified into genera or higher taxa are also listed here. E.g. Nematoda: Mermithidae (*Cretacimermis* sp.). Acari: Ixodidae (*Amblyomma* sp.). Araneae: Praeterleptonetidae (*Autotomiana* sp.); Eopsilodercidae (*Eopsilodercus* sp.); Ochyroceratidae (*Leclercera* sp.); Tetrablemmidae (Tetrablemmidae gen. indet.) (Tetrablemmidae? gen. sp. indet.) (?*Bicornoculus* sp.); Oonopidae (*Orchestina* sp.); Plumorsolidae (?Plumorsolidae indet.) (?Plumorsolidae indet.) (*Burmorsolus* sp. indet.); Archaeidae (*Lacunauchenius* sp. indet.); Micropalpimanidae (*Micropalpimanus* sp. indet.); Lagonomegopidae (*Archaelagonops* sp. indet.); Oecobiidae (*Zamilia* sp. indet.); Dictynidae (?*Burmadictyna* sp.); Uloboridae (Uloboridae indet.) (?*Burmuloborus* sp. indet.) (*Paramiagrammopes* sp.); Dictynidae (*Dictynidae* sp. 1–5). Archaeognatha: (?*Macropsontus* sp.). Dermaptera: Anisolabididae (Nymph sp. 1); Family indet (Nymph sp. 2). Orthoptera: Elcanidae (*Burmelcana* sp.). Embioptera: Sorellembiidae (*Embiodea* sp. indet.). Coleoptera: Staphylinidae (*Kachinus* sp. indet.); Silphidae (*Nicrophorus* sp.). Diptera: Ceratopogonidae (*Protoculicoides* sp.) (*Atriculicoides* sp. indet.); Psychodidae (*Datzia* sp.) (*Bamara* sp.); Limoniidae (*Gonomyia* sp.) (*Helius* sp.); Phoridae (*Prioriphora* sp.); Hilarimorphidae (*Hilarimorphites* sp.); Hybotidae (*Alavesia* sp.) (?*Meghyperus* sp.). Trichoptera: Psychomyiidae (*Palerasnitsynus* sp.). Hymenoptera: Formicidae (*Camelomecia* sp.) (?*Camelomecia* sp.); Serphitidae (*Serphites* sp.); Sphecomyrmididae (*Baikuris* sp.). Plant: Lindsaeaceae (Lindsaeaceae gen. and sp. Indet).

Mesozoic amber preserved rare dinosaur remains, such as feather records from Canada (McKellar *et al.*, 2011). Burmese amber contains abundant and diverse vertebrate groups, primarily comprising isolated feathers (Grimaldi *et al.*, 2002; Nascimbene *et al.*, 2013, 2014; Thomas *et al.*, 2014), Lacertilia (Daza *et al.*, 2016) and enantiornithine birds (Xing *et*

al., 2016). Specimens that are included in Burmese illustrations but not formally described yet also include frogs.

Isolated feathers may be common in Burmese amber and DIP has collected more than 120 such specimens (as of Aug, 2016). The samples in amber include diverse pennaceous, plumulaceous and semiplumulaceous feathers/feather portions (Nascimbene *et al.*, 2013). However, these feathers are not extensively studied. As features of living birds are quite complicated and diverse, research of the features preserved in Burmese amber is considerably difficult.

Two pieces of enantiornithine birds precocial hatchlings (DIP-V-15100 and DIP-V-15101) represent the first osteology, plumage and pterylosis of birds in amber and the first record of Cretaceous bird in Myanmar. This finding brings new detail to our understanding of infrequently preserved juveniles, including the first concrete examples of follicles, feather tracts and pteridia in Cretaceous avialans (Xing *et al.*, 2016).

Lacertilia is commonly seen in Burmese amber due to small size and scansorial nature, mainly including stem Gekkota, crown Lacertoidea, crown Agaminae and stem Chamaeleonidae (Daza *et al.*, 2016). Such rich records undoubtedly confirm diversity of Mid-Cretaceous Lacertilia in Myanmar, and plenty of detailed soft tissue remains such as skin and digit pads are valuable resources for morphological research of Mesozoic Lacertilia.

2 Materials and methods

Type specimens and other materials are deposited in the following institutions or collections:

AMNH—American Museum Natural History, Division of Invertebrate Zoology (Entomology);

CAS—California Academy of Sciences, San Francisco, USA;

CCN—The private collection of Chenyang Cai collection, Nanjing, China;

CEHI—Collection Ernst Heiss (EH), Tiroler Landesmuseum, Innsbruck, Austria;

CNU—the Key Lab of Insect Evolution and Environmental Changes, College of Life Sciences, Capital Normal University, Beijing, China;

DEI—The collection of Deniz Erin of Istanbul, Turkey;

EMTG—Three Gorges Entomological Museum, Chongqing, China (specimen available for study by contacting MB, XL or WZ);

FMNH—Field Museum of Natural History, Chicago, USA;

FXC—The private collection of Fangyuan Xia collection, Shanghai, China;

GDUR—Geological Department of the University of Rennes 1, France;

GPIH—Geologisch-Paläontologisches Institut und Museum der Universität Hamburg, Germany;

HAM—Huxuan Amber Museum, Jinan, China;

ICM—Insect Centre Moscow collection, Moscow, Russia;

ISEA—in the Institute of Systematics and Ecology of Animals, Novosibirsk, Russia;

IZAS—Institute of Zoology, Chinese Academy of Sciences, Beijing, China;

JWJ—The private collection of Jens-Wilhelm Janzen, Germany;

JZC—in James Zigras Collection, available for study through the American Museum of Natural History, New York, USA;

KUC—Housed in the Fossil Insect Collection, Division of Entomology, University of Kansas Natural History Museum, Lawrence, Kansas, USA;

LAMS—Lingpoge Amber Museum in Shanghai, China (specimen available for study by contacting BW or FX);

MAI—Museum of Amber Inclusions, University of Gdańsk, Poland;

MPC—Michel Perreau collection, Paris, France (provisionally housed in the collection of fossil insects, MNHN, Paris, France);

NHML—Department of Palaeontology, Natural History Museum, London, United Kingdom;

NIGP—Nanjing Institute of Geology and Palaeontology, Chinese Academy of Sciences, Nanjing, China;

NMS—National Museums Scotland collection, Edinburgh, Scotland, United Kingdom;

PACO—Collection George O. Poinar Jr., Oregon State University, Corvallis, USA;

PCGH—The private collection of Chialang Grand Huang, Edison, New Jersey, USA;

PCHF—The private collection of Helmut Fleissner, Bad Nauheim, Germany;

PCJV—The private collection of Jürgen Velten, Idstein, Germany;

PCJW—The private collection of Jörg Wunderlich, Hirschberg, Germany;

PCKB—The private collection of Mr. Klaus- Peter Brucksch, Kuranda, Australia;

PCMK—The private collection of Dr. Max Kobbert, Muenster, Germany;
 PCPM—The private collection of Mr. Patrick Müller, Kåshofen, Germany;
 PCRO—The private collection of Rainer Ohlhoff, Saarbrüchen, Germany;
 PCSE—The private collection of Mr. Sieghard Ellenberger, Kassel, Germany;
 PCXJ—personal collection of Xiao Jia (PCXJ), Kunming, China (specimens available for study by contacting XL or WZ);
 PCWS—The private collection of Wolf-Peter Schwarz, Ulm, Germany;
 PERC—Purdue Entomological Research Collection, West Lafayette, Indiana, USA;
 PMJU—Phyletisches Museum, Jena University, Jena, Germany;
 PMNH—Laboratoire de Paléontologie, Muséum National d’Histoire Naturelle, Paris, France;
 RBAC—Ron Buckley amber collection, Florence, Kentucky, USA;
 RSM—Royal Saskatchewan Museum, Regina, Canada;
 SMF—The collections of the Senckenberg Museum, Frankfurt, Germany;
 SMNS—State Museum of Natural History in Stuttgart, Germany;
 SMRI—Senckenberg Museum and Research Institute, Frankfurt-am-Main, Germany;
 UASM—Specimen donated by Mark Elasmuch UASM, University of Alberta Strickland Entomology Museum, Edmonton, Alberta, Canada.

3 Results

Phylum Proteobacteria Stackebrandt *et al.*, 1988

Class Alphaproteobacteria Garrity *et al.*, 2006

Order Rickettsiales Gieszczykiewicz, 1939

Family Rickettsiaceae Pinkerton, 1936

3.1 Genus *Palaeorickettsia* Poinar, 2015

Palaeorickettsia Poinar, 2015: 624. Type species: *Palaeorickettsia protera* Poinar, 2015.

1) *Palaeorickettsia protera* Poinar, 2015

Palaeorickettsia protera Poinar, 2015: 624.

Type specimen(s). H: accession #A-10-261 (CAS).

Host. *Cornupalpatum burmanicum* Poinar & Brown, 2003a (Ixodidae).

Phylum Apicomplexa Levine, 1970

Class Conoidasida Levine, 1988

Order Eugregarinorida Léger, 1900

Family *incertae sedis*

3.2 Genus *Primigregarina* Poinar, 2010

Primigregarina Poinar, 2010b: 55. Type species: *Primigregarina burmanica* Poinar, 2010.

2) *Primigregarina burmanica* Poinar, 2010

Primigregarina burmanica Poinar, 2010b: 55.

Type specimen(s). H: no. B-OR-1C (PACO).

Host. An early Cretaceous cockroach of undetermined Family status.

Class Aconoidasida Mehlhorn, Peters & Haberkorn, 1980

Order Haemospororida Danilewsky, 1885

Family Plasmodiidae Mesnil, 1903

3.3 Genus *Paleohaemoproteus* Poinar & Telford, 2005

Paleohaemoproteus Poinar & Telford, 2005: 80. Type species: *Paleohaemoproteus burmacis* Poinar & Telford, 2005.

3) *Paleohaemoproteus burmacis* Poinar & Telford, 2005

Paleohaemoproteus burmacis Poinar & Telford, 2005: 80.

Type specimen(s). H: accession no. B-D-32 (PACO).

Host. An extinct species of biting midge, probably belonging to the Genus *Protoculicoides* (Ceratopogonidae: Diptera).

Phylum Metamonada Grassé, 1952

Class Parabasalia Honigberg, 1973

Order Trichomonadida Kirby, 1947

Family Devescovinidae Doflein, 1911

3.4 Genus *Devescovites* Poinar, 2009

Devescovites Poinar, 2009b: 1068. Type species: *Devescovites proteus* Poinar, 2009.

4) *Devescovites proteus* Poinar, 2009

Devescovites proteus Poinar, 2009b: 1068.

Type specimen(s). H: B-OR-1C (PACO).

Host. An early Cretaceous cockroach of undetermined family.

3.5 Genus *Foainites* Poinar, 2009

Foainites Poinar, 2009a: 5. Type species: *Foainites icelus* Poinar, 2009.

5) *Foainites icelus* Poinar, 2009

Foainites icelus Poinar, 2009a: 6.

Type specimen(s). H: Specimen accession # B-I-2 (PACO).

Host. *Kachinitermopsis burmensis* (Poinar, 2009) (Isoptera: Kalotermitidae).

Family *incertae sedis*

3.6 Genus *Paleotrichomones* Poinar, 2009

Paleotrichomones Poinar, 2009b: 1068. Type species: *Paleotrichomones burmanicus* Poinar, 2009.

6) *Paleotrichomones burmanicus* Poinar, 2009

Paleotrichomones burmanicus Poinar, 2009b: 1068.

Type specimen(s). H: B-OR-1C (PACO).

Host. An early Cretaceous cockroach of undetermined Family status.

Class Hypermastigea Margulis, 1974

Order Spirotrichonymphida Grassé, 1952

Family Holomastigotidae Grassi, 1892

3.7 Genus *Spiromastigites* Poinar, 2009

Spiromastigites Poinar, 2009a: 7. Type species: *Spiromastigites acanthodes* Poinar, 2009.

7) *Spiromastigites acanthodes* Poinar, 2009

Spiromastigites acanthodes Poinar, 2009a: 7.

Type specimen(s). H: Specimen B-I-2(PACO).
Host. *Kachinitermopsis burmensis* (Poinar, 2009) (Isoptera: Kalotermitidae).

Order Trichonymphida Poche, 1913
Family Trichonymphidae Kent, 1880

3.8 Genus *Trichonymphites* Poinar, 2009

Trichonymphites Poinar, 2009a: 7. Type species: *Trichonymphites henis* Poinar, 2009.

8) *Trichonymphites henis* Poinar, 2009

Trichonymphites henis Poinar, 2009a: 8.

Type specimen(s). H: Specimen B-I-2(PACO).
Host. *Kachinitermopsis burmensis* (Poinar, 2009) (Isoptera: Kalotermitidae).

Family Teranymphidae Koidzumi, 1917

3.9 Genus *Teranymphites* Poinar, 2009

Teranymphites Poinar, 2009a: 8. Type species: *Teranymphites rhabdotis* Poinar, 2009.

9) *Teranymphites rhabdotis* Poinar, 2009

Teranymphites rhabdotis Poinar, 2009a: 8.

Type specimen(s). H: Specimen B-I-2 (PACO).
Host. *Kachinitermopsis burmensis* (Poinar, 2009) (Isoptera: Kalotermitidae).

Family Burmanymphidae Poinar, 2009

3.10 Genus *Burmanymphus* Poinar, 2009

Burmanymphus Poinar, 2009b: 1068. Type species: *Burmanymphus cretacea* Poinar, 2009.

10) *Burmanymphus cretacea* Poinar, 2009

Burmanymphus cretacea Poinar, 2009b: 1068.

Type specimen(s). H: accession # B-OR-1D (PACO).
Host. An early Cretaceous cockroach of the family Blattellidae.

Class Anaeromonadea Cavalier-Smith, 1996

Order Oxymonadida Grassé, 1952

Family Oxymonadidae Kirby, 1928

3.11 Genus *Microrhopalodites* Poinar, 2009

Microrhopalodites Poinar, 2009a: 9. Type species: *Microrhopalodites polynucleatis* Poinar, 2009.

11) *Microrhopalodites polynucleatis* Poinar, 2009

Microrhopalodites polynucleatis Poinar, 2009a: 9.

Type specimen(s). H: Specimen B-I-2 (PACO).
Host. *Kachinitermopsis burmensis* (Poinar, 2009) (Isoptera: Kalotermitidae).

3.12 Genus *Oxymonas* Janicki, 1915

Oxymonas Janicki, 1915. Type species: *Oxymonas granulosa* Janicki, 1915.

12) *Oxymonas protus* Poinar, 2009

Oxymonas protus Poinar, 2009a: 8.

Type specimen(s). H: Specimen B-I-2 (PACO).

Host. *Kachinitermopsis burmensis* (Poinar, 2009) (Isoptera: Kalotermitidae).

13) *Oxymonas gigantea* Poinar, 2009

Oxymonas gigantea Poinar, 2009b: 1069.

Type specimen(s). H: accession # B-OR-1D (PACO).

Host. An early Cretaceous cockroach of the family Blattellidae.

3.13 Genus *Oxymonites* Poinar, 2009

Oxymonites Poinar, 2009a: 9. Type species: *Oxymonites gerus* Poinar, 2009.

14) *Oxymonites gerus* Poinar, 2009

Oxymonites gerus Poinar, 2009a: 9.

Type specimen(s). H: Specimen B-I-2 (PACO).

Host. *Kachinitermopsis burmensis* (Poinar, 2009) (Isoptera: Kalotermitidae).

3.14 Genus *Sauromonites* Poinar, 2009

Sauromonites Poinar, 2009a: 10. Type species: *Sauromonites katatonis* Poinar, 2009.

15) *Sauromonites katatonis* Poinar, 2009

Sauromonites katatonis Poinar, 2009a: 10.

Type specimen(s). H: Specimen B-I-2 (PACO).

Host. *Kachinitermopsis burmensis* (Poinar, 2009) (Isoptera: Kalotermitidae).

Family Pyrsonymphidae Grassi, 1892**3.15 Genus *Dinenymphites* Poinar, 2009**

Dinenymphites Poinar, 2009a: 10. Type species: *Dinenymphites spiris* Poinar, 2009.

16) *Dinenymphites spiris* Poinar, 2009

Dinenymphites spiris Poinar, 2009a: 10.

Type specimen(s). H: Specimen B-I-2 (PACO).

Host. *Kachinitermopsis burmensis* (Poinar, 2009) (Isoptera: Kalotermitidae).

3.16 Genus *Endamoebites* Poinar, 2009

Endamoebites Poinar, 2009a: 11. Type species: *Endamoebites proterus* Poinar, 2009.

17) *Endamoebites proterus* Poinar, 2009

Endamoebites proterus Poinar, 2009a: 11.

Type specimen(s). H: Specimen B-I-2 (PACO).

Host. *Kachinitermopsis burmensis* (Poinar, 2009) (Isoptera: Kalotermitidae).

3.17 Genus *Pyrsonymphites* Poinar, 2009

Pyrsonymphites Poinar, 2009a: 11. Type species: *Pyrsonymphites cordylinis* Poinar, 2009.

18) *Pyrsonymphites cordylinis* Poinar, 2009

Pyrrsonymphites cordylinis Poinar, 2009a: 11.

Type specimen(s). H: Specimen B-I-2 (PACO).

Host. *Kachinitermopsis burmensis* (Poinar, 2009) (Isoptera: Kalotermitidae).

Phylum Euglenozoa Cavalier-Smith, 1981

Class Mesomycetozoea Ajello & Mendoza, 2000

Order Eccrinales Léger & Dubosq, 1929

Family Eccrinaceae Kirk, Cannon & David, 2001

3.18 Genus *Paleocadus* Poinar, 2016

Paleocadus Poinar, 2016b: 1538. Type species: *Paleocadus burmiticus* Poinar, 2016.

19) *Paleocadus burmiticus* Poinar, 2016

Paleocadus burmiticus Poinar, 2016b: 1538.

Type specimen(s). H: No. B-Hy-19B (PACO).

Host. Wingless adult female ceraphronoid wasp (Hymenoptera: Ceraphronoidea).

Class Kinetoplastea Honigberg, 1963

Order Kinetoplastida Honigberg, 1963

Family Trypanosomatidae Dolfein, 1901

3.19 Genus *Paleoleishmania* Poinar & Poinar, 2004

Paleoleishmania Poinar & Poinar, 2004: 307. Type species: *Paleoleishmania proterus* Poinar & Poinar, 2004.

20) *Paleoleishmania proterus* Poinar & Poinar, 2004

Paleoleishmania proterus Poinar & Poinar, 2004: 307.

Type specimen(s). H: # B-D-16 (PACO).

Host. *Palaeomyia burmitis*, Poinar 2004 (Diptera: Psychodidae). The vertebrate host is unknown at this time.

3.20 Genus *Paleotrypanosoma* Poinar, 2008

Paleotrypanosoma Poinar, 2008a: 469. Type species: *Paleotrypanosoma burmanicus* Poinar, 2008.

21) *Paleotrypanosoma burmanicus* Poinar, 2008

Paleotrypanosoma burmanicus Poinar, 2008a: 469.

Type specimen(s). H: B-D-47b (PACO).

Host. *Leptoconops nosopheris* Poinar, 2008 (Diptera: Ceratopogonidae) in Burmese amber; vertebrate host unknown

Phylum Nematoda Diesing, 1861

Subclass Dorylaimia Inglis, 1983

Order Mermithida Hyman, 1951

Superfamily Mermithoidea Braun, 1883

Family Mermithidae Braun, 1883

3.21 Genus *Cretacimermis* Poinar, 2001

Cretacimermis Poinar, 2001. Type species: *Cretacimermis libani* (Poinar, Acra & Acra, 1994).

22) *Cretacimermis chironomae* Poinar, 2011

Cretacimermis chironomae Poinar, 2011a: 268.

Type specimen(s). H: no. Bu-320 (AMNH).

Host. An adult Chironomidae (Diptera).

23) *Cretacimermis protus* Poinar & Buckley, 2006

Cretacimermis protus Poinar & Buckley, 2006: 37.

Type specimen(s). H: Specimen number not assigned, Molting post-parasitic juvenile (RBAC).

Host. A member of the family Ceratopogonidae (Diptera).

Order Rhabditida Chitwood, 1933

Suborder Spirurina Railliet & Henry, 1915

Infraorder Oxyuridomorpha De Ley & Blaxter, 2002

Superfamily Thelastomatoidea Travassos, 1929

Family Thelastomatidae Travassos, 1929

3.22 Genus *Paleothelastoma* Poinar, 2011

Paleothelastoma Poinar 2011a: 280. Type species: *Paleothelastoma tipulae* Poinar, 2011.

24) *Paleothelastoma tipulae* Poinar, 2011

Paleothelastoma tipulae Poinar, 2011a: 280.

Type specimen(s). H: no.B-N-4 (PACO).

Host. An adult female of the Genus *Gonomyia* Meigen, 1818 (Diptera: Limoniidae). The larvae develop in sandy or rich organic soil near water sources and feed on detritus.

Infraorder Ascaridomorpha De Ley & Baxter, 2002

Superfamily Cosmocercoidea Travassos, 1925

Family Cosmocercidae Travassos, 1925

3.23 Genus *Palaeocosmocerca* Poinar, 2011

Palaeocosmocerca Poinar, 2011a: 287. Type species: *Palaeocosmocerca burmanica* Poinar, 2011.

25) *Palaeocosmocerca burmanica* Poinar, 2011

Palaeocosmocerca burmanica Poinar, 2011a: 287.

Type specimen(s). H: no. B-N-6 (PACO).

Host. An arboreal juvenile snail of the family Punctidae.

Suborder Tylenchina Thorne, 1949

Infraorder Tylenchomorpha De Ley & Blaxter, 2002

Superfamily Aphelenchoidea Fuchs, 1937

Family Aphelenchoididae Skarbilovich, 1947

3.24 Genus *Cretaciaphelenchoides* Poinar, 2011

Cretaciaphelenchoides Poinar, 2011a: 292. Type species: *Cretaciaphelenchoides burmensis* Poinar, 2011.

26) *Cretaciaphelenchoides burmensis* Poinar, 2011

Cretaciaphelenchoides burmensis Poinar, 2011a: 293.

Type specimen(s). H: no. B-N-7 (PACO).

Host. Unidentified fungus with extensive mycelium and spores.

Suborder Rhabditina Chitwood, 1933

Infraorder Rhabditomorpha De Ley & Blaxter, 2002

Superfamily Diplogastroidea Micoletzky, 1922

3.25 Genus *Cretodiplogaster* Poinar, 2011

Cretodiplogaster Poinar, 2011a: 318. Type species: *Cretodiplogaster termitophilus* Poinar, 2011.

27) *Cretodiplogaster termitophilus* Poinar, 2011

Cretodiplogaster termitophilus Poinar, 2011a: 318.

Type specimen(s). H: no. B-N-5 (PACO).

Host. *Kachinitermopsis burmensis* (Poinar, 2009) (Isoptera: Kalotermitidae).

Superfamily Heterorhabditoidea Hodda, 2011

Family Heterorhabditidae Poinar, 1975

3.26 Genus *Proheterorhabditis* Poinar, 2011

Proheterorhabditis Poinar, 2011a: 347. Type species: *Proheterorhabditis burmanicus* Poinar, 2011.

28) *Proheterorhabditis burmanicus* Poinar, 2011

Proheterorhabditis burmanicus Poinar, 2011a: 348.

Type specimen(s). H: no. B-N-8 (PACO).

Phylum Nematomorpha Vejdovsky, 1886

Superfamily Gordioidea Rauther, 1930

Family Chordodidae May, 1919

3.27 Genus *Cretachordodes* Poinar & Buckley, 2006

Cretachordodes Poinar & Buckley, 2006: 37. Type species: *Cretachordodes burmitis* Poinar & Buckley, 2006.

29) *Cretachordodes burmitis* Poinar & Buckley, 2006

Cretachordodes burmitis Poinar & Buckley, 2006: 38.

Type specimen(s). Syntype: 5 type specimens, specimen number not assigned (RBAC).

Phylum Arthropoda von Siebold, 1848

Subphylum Chelicerata Heymons, 1901

Class Arachnida Lamarck, 1801

Order Scorpione SKoch, 1850

Superfamily Buthoidea Koch, 1837

Family Buthidae Koch, 1837

3.28 Genus *Archaeoananteroides* Lourenço, 2016

Archaeoananteroides Lourenço, 2016: 3. Type species: *Archaeoananteroides maderai* Lourenço, 2016.

30) *Archaeoananteroides maderai* Lourenço, 2016

Archaeoananteroides maderai Lourenço, 2016: 4.

Type specimen(s). Unknown.

Family Palaeoburmesebuthidae Lourenço, 2016

3.29 Genus *Betaburmesebuthus* Lourenço, 2015

Betaburmesebuthus Lourenço, 2015d: 28. Type species: *Betaburmesebuthus kobberti* Lourenço & Beigel, 2015.

31) *Betaburmesebuthus bellus* Lourenço, 2016*Betaburmesebuthus bellus* Lourenço, 2016b: 79.

Type specimen(s). H (?♂): a juvenile (GPIH).

32) *Betaburmesebuthus bidentatus* Lourenço, 2015*Betaburmesebuthus bidentatus* Lourenço, 2015d: 31.

Type specimen(s). H (♂): a pre-adult (PCPM).

33) *Betaburmesebuthus fleissneri* Lourenço, 2016*Betaburmesebuthus fleissneri* Lourenço, 2016c: 5.

Type specimen(s). H (♂): a possible juvenile (PCHF).

34) *Betaburmesebuthus kobberti* Lourenço & Beigel, 2015*Betaburmesebuthus kobberti* Lourenço & Beigel, 2015: 478.

Type specimen(s). H (♂): a juvenile (PCMK).

35) *Betaburmesebuthus muelleri* Lourenço, 2015*Betaburmesebuthus muelleri* Lourenço, 2015d: 28.

Type specimen(s). H (♂): juvenile (PCPM).

3.30 Genus *Palaeoburmesebuthus* Lourenço, 2002*Palaeoburmesebuthus* Lourenço, 2002a: 99. Type species: *Palaeoburmesebuthus grimaldii* Lourenço, 2002.**36) *Palaeoburmesebuthus grimaldii* Lourenço, 2002**

unidentified scorpion: Ross, 1998: 36.

unidentified scorpion: Ross & York, 2000: 14.

unidentified scorpion: Rasnitsyn & Ross, 2000: 24.

unidentified scorpion: Grimaldi *et al.*, 2002.*Palaeoburmesebuthus grimaldii* Lourenço, 2002a: 99.

Type specimen(s). H: AMNH Bu-710 (AMNH).

Additional materials. NHML In. 20174 (NHML).

37) *Palaeoburmesebuthus ohlhoffi* Lourenço, 2015*Palaeoburmesebuthus ohlhoffi* Lourenço, 2015c: 469.

Type specimen(s). H: juvenile (PCRO)

Family Chaerilobuthidae Lourenço & Beigel, 2011**3.31 Genus *Chaerilobuthus* Lourenço & Beigel, 2011***Chaerilobuthus* Lourenço & Beigel, 2011: 636. Type species: *Chaerilobuthus complexus* Lourenço & Beigel, 2011.**38) *Chaerilobuthus birmanicus* Lourenço, 2015***Chaerilobuthus birmanicus* Lourenço, 2015c: 469.

Type specimen(s). H (?♀): no. 2471/BU/CJW a juvenile (PCJW) .

39) *Chaerilobuthus bruckschi* Lourenço, 2015*Chaerilobuthus bruckschi* Lourenço, 2015c: 470.

Type specimen(s). H (?♂): a juvenile (PCKB).

40) *Chaerilobuthus complexus* Lourenço & Beigel, 2011

Chaerilobuthus complexus Lourenço & Beigel, 2011: 636.

Type specimen(s). H (?♀): juvenile (SMF).

41) *Chaerilobuthus enigmaticus* Lourenço, 2015

Chaerilobuthus enigmaticus Lourenço, 2015b: 45

Type specimen(s). H (♀): probably a juvenile (PCPM).

42) *Chaerilobuthus gigantosternum* Lourenço, 2016

Chaerilobuthus gigantosternum Lourenço, 2016a: 68.

Type specimen(s). H (?♀): 11037-1 GPIH 4566 a juvenile (GPIH).

43) *Chaerilobuthus longiaculeus* Lourenço, 2013

Chaerilobuthus longiaculeus Lourenço, 2013: 2.

Type specimen(s). H: probably parts of a juvenile's exuvia (SMF).

44) *Chaerilobuthus serratus* Lourenço & Beigel, 2016

Chaerilobuthus serratus Lourenço & Beigel, 2016: 72.

Type specimen(s). H (?♂): 11037-2 GPIH 4567 a juvenile (GPIH) .

45) *Chaerilobuthus schwarzi* Lourenço & Beigel, 2015

Chaerilobuthus schwarzi Lourenço & Beigel, 2015: 5.

Type specimen(s). H (♂): probably a juvenile (PCWS).

Family Palaeotrilineatidae Lourenço, 2012

3.32 Genus *Palaeotrilineatus* Lourenço, 2012

Palaeotrilineatus Lourenço, 2012: 78. Type species: *Palaeotrilineatus ellenbergeri* Lourenço, 2012.

46) *Palaeotrilineatus ellenbergeri* Lourenço, 2012

Palaeotrilineatus ellenbergeri Lourenço, 2012: 78.

Type specimen(s). H (♂): Specimen number not assigned (PCSE).

Family Sucinlourencoidae Rossi, 2015

3.33 Genus *Sucinlourencous* Rossi, 2015

Sucinlourencous Rossi, 2015: 3. Type species: *Sucinlourencous adrianae* Rossi, 2015.

47) *Sucinlourencous adrianae* Rossi, 2015

Sucinlourencous adrianae Rossi, 2015: 6.

Type specimen(s). Unknown.

Superfamily Chactoidea Pocock, 1893

Family Palaeoescorpiidae Lourenço, 2003

Subfamily Archaeoscorpipinae Lourenço, 2015

3.34 Genus *Archaeoscorpions* Lourenço, 2015*Archaeoscorpions* Lourenço, 2015a: 459. Type species: *Archaeoscorpions cretacicus* Lourenço, 2015.**48) *Archaeoscorpions cretacicus* Lourenço, 2015***Archaeoscorpions cretacicus* Lourenço, 2015a: 460.

Type specimen(s). H: F2380/BU/CJW (SMF).

Subfamily Archaeoscorpioninae Lourenço, 2015**3.35 Genus *Burmesescorpions* Lourenço, 2016***Burmesescorpions* Lourenço, 2016a: 67. Type species: *Burmesescorpions groehni* Lourenço, 2016.**49) *Burmesescorpions groehni* Lourenço, 2016***Burmesescorpions groehni* Lourenço, 2016a: 68.

Type specimen(s). H (?♀): 11038-2 GPIH 4564, possibly a juvenile (GPIH).

Family Chaerilidae Pocock, 1893**Subfamily Electrochaerilinae Santiago-Blay, Fet, Soleglad & Anderson, 2004****3.36 Genus *Electrochaerilus* Santiago-Blay, Fet, Soleglad & Anderson, 2004***Electrochaerilus* Santiago-Blay, Fet, Soleglad & Anderson, 2004a: 4. Type species: *Electrochaerilus buckleyi* Santiago-Blay, Fet, Soleglad & Anderson, 2004.**50) *Electrochaerilus buckleyi* Santiago-Blay, Fet, Soleglad & Anderson, 2004***Electrochaerilus buckleyi* Santiago-Blay, Fet, Soleglad & Anderson, 2004a: 4.

Type specimen(s). H (♀): Specimen number not assigned (RBAC).

Order Opiliones Sundevall, 1833**Suborder Cyphophthalmi Simon, 1879****Family Sironidae Simon, 1879****3.37 Genus *Palaeosiro* Poinar, 2008***Palaeosiro* Poinar, 2008b: 268. Type species: *Palaeosiro burmanicum* Poinar, 2008.**51) *Palaeosiro burmanicum* Poinar, 2008***Palaeosiro burmanicum* Poinar, 2008b: 269.

Type specimen(s). H (♀): # B-1-17 (PACO).

Suborder Dyspnoi Hansen & Sørensen, 1904**Superfamily Troguloidea Sundevall, 1833****Family Halithersidae Dunlop, Selden & Giribet, 2016****3.38 Genus *Halitherses* Giribet & Dunlop, 2005***Halitherses* Giribet & Dunlop, 2005: 1010. Type species: *Halitherses grimaldii* Giribet & Dunlop, 2005.**52) *Halitherses grimaldii* Giribet & Dunlop, 2005***Halitherses grimaldii* Giribet & Dunlop, 2005: 1010.

Type specimen(s). H (♂): AMNH Bu-1583a. P (♂): AMNH Bu-1583b (AMNH).

Additional materials. F2840/BU/CJW (SMF).

Suborder Laniatores Thorell, 1876
Infraorder Grassatores Kury, 2002
Superfamily Epedanoidea Sørensen, 1886
Family Epedanidae Sørensen, 1886

3.39 Genus *Petrobunoides* Selden *et al.*, 2016

Petrobunoides Selden *et al.*, 2016a: 210. Type species: *Petrobunoides sharmai* Selden *et al.*, 2016.

53) *Petrobunoides sharmai* Selden *et al.*, 2016

Petrobunoides sharmai Selden *et al.*, 2016a: 210.

Type specimen(s). H: BU-002036 (EMTG).

Order Pseudoscorpiones Haeckel, 1866
Superfamily Feaelloidea Ellingsen, 1906
Family Feaellidae Ellingsen, 1906

3.40 Genus *Protofeaella* Henderickx, 2016

Protofeaella Henderickx, 2016: 8. Type species: *Protofeaella peetersae* Henderickx, 2016.

54) *Protofeaella peetersae* Henderickx, 2016

Protofeaella peetersae Henderickx, 2016: 8.

Type specimen(s). H: NHMII 3115 (NHML).

Superfamily Cheiridioidea Hansen, 1894
Family Cheiridiidae Hansen, 1894

3.41 Genus *Electrobisium* Cockerell, 1917

Electrobisium Cockerell, 1917a: 360. Type species: *Electrobisium acutum* Cockerell, 1917.

55) *Electrobisium acutum* Cockerell, 1917

Electrobisium acutum Cockerell, 1917a: 360.

Type specimen(s). H: NHML In.19118 (NHML).

Superfamily Garypoidea Simon, 1879
Family Garypinidae Simon, 1879
Subfamily Garypinidae Daday, 1888

3.42 Genus *Amblyolpium* Simon, 1898

Amblyolpium Simon, 1898: 3. Type species: *Amblyolpium dollfus* Simon, 1898.

56) *Amblyolpium burmiticum* (Cockerell, 1920)

Garypus burmiticus Cockerell, 1920b: 274.

Amblyolpium burmiticum: Judson, 1997: 12.

Type specimen(s). H: NHML In.20149 (NHML).

Order Solifugae Sundevall, 1833
Family *incertae sedis*

3.43 Genus *Cushingia* Dunlop, Bird, Brookhart & Bechly, 2015

Cushingia Dunlop, Bird, Brookhart & Bechly, 2015: 269. Type species: *Cushingia ellenbergeri* Dunlop, Bird, Brookhart & Bechly, 2015.

57) *Cushingia ellenbergeri* Dunlop, Bird, Brookhart & Bechly, 2015

Cushingia ellenbergeri Dunlop, Bird, Brookhart & Bechly, 2015: 270.

Type specimen(s). H (♂): SMNS Bu-161 (SMNS).

Order Palpigradi Thorell, 1888

Family Eukoeneniidae Petrunkevitch, 1955

3.44 Genus *Electrokoenenia* Engel & Huang, 2016

Electrokoenenia Engel & Huang, 2016c: 18. Type species: *Electrokoenenia yaksha* Engel & Huang, 2016.

58) *Electrokoenenia yaksha* Engel & Huang, 2016

Electrokoenenia yaksha Engel & Huang, 2016c: 18.

Type specimen(s). H (?♀): NIGP 163253 (NIGP).

Order Parasitiformes Reuter, 1909

Suborder Opilioacarida Zachvatkin, 1952

Superfamily Opilioacaroida Vitzthum, 1931

Family Opilioacaridae With, 1904

3.45 Genus ?*Opilioacarus* With, 1902

?*Opilioacarus* With, 1902: 4. Type species: *Opilioacarus segmentatus* With, 1902.

59) ?*Opilioacarus groehni* Dunlop & Bernardi, 2014

?*Opilioacarus groehni* Dunlop & Bernardi, 2014: 760.

Type specimen(s). H: GPIH no. 4549 (GPIH).

Superfamily Ixodida Leach, 1815

Family Ixodidae Murray, 1877

3.46 Genus *Compluriscutula* Poinar & Buckley, 2008

Compluriscutula Poinar & Buckley, 2008b: 446. Type species: *Compluriscutula vetulum* Poinar & Buckley, 2008.

60) *Compluriscutula vetulum* Poinar & Buckley, 2008

Compluriscutula vetulum Poinar & Buckley, 2008b: 446.

Type specimen(s). H: Specimen number not assigned (RBAC).

3.47 Genus *Cornupalpatum* Poinar & Brown, 2003

Cornupalpatum Poinar & Brown, 2003a: 199. Type species: *Cornupalpatum burmanicum* Poinar & Brown, 2003.

61) *Cornupalpatum burmanicum* Poinar & Brown, 2003

Cornupalpatum burmanicum Poinar & Brown, 2003a: 200.

Type specimen(s). H: larva A-10- 260 (CAS).

Additional materials. A-10-261, a second unengorged ixodid tick larva from the same Burmese deposits (CAS).

Family Cheyletidae Leach, 1815

3.48 Genus *Cheyletus* Latreille, 1796

Cheyletus Latreille, 1796: 179. Type species: *Cheyletus eruditus* (Schrank, 1781).

62) *Cheyletus burmiticus* Cockerell, 1917

Cheyletus burmiticus Cockerell, 1917b: 41.

Type specimen(s). H: NHML In.19115 (NHML).

Order Trombidiformes Reuter, 1909

Superfamily Pyemotoidea Oudemans, 1937

Family Resinacaridae Mahunka, 1975

3.49 Genus *Protoresinacarus* Khaustov & Poinar, 2010

Protoresinacarus Khaustov & Poinar, 2010: 219. Type species: *Protoresinacarus brevipedis*, 2010.

63) *Protoresinacarus brevipedis* Khaustov & Poinar 2010

Protoresinacarus brevipedis Khaustov & Poinar, 2010: 220.

Type specimen(s). H (♂): accession # E-14 (KUC). P (?): accession # E-14 (KUC).

Order Ricinulei Thorell, 1876

Suborder Primoricinulei Wunderlich, 2015

Family Primoricinuleidae Wunderlich, 2015

3.50 Genus *Primoricinuleus* Wunderlich, 2015

Primoricinuleus Wunderlich, 2015b: 418. Type species: *Primoricinuleus pugio* Wunderlich, 2015.

64) *Primoricinuleus pugio* Wunderlich, 2015

Primoricinuleus pugio Wunderlich, 2015b: 418.

Type specimen(s). Unknown.

Suborder Palaeoricinulei Selden, 1992

Family Poliocheridae Scudder, 1884

3.51 Genus *Poliochera* Scudder, 1884

Poliochera Scudder, 1884: 16. Type species: *Poliochera punctulata* Scudder, 1884.

65) *Poliochera? cretacea* Wunderlich, 2012

Poliochera? cretacea Wunderlich, 2012a: 239.

Type specimen(s). H: F2336/BU/CJW (PCJW).

Order Araneae Clerck, 1757

Suborder Mesothelae

Family Liphistiidae Pocock, 1892

3.52 Genus *Cretaceothele* Wunderlich, 2015

Cretaceothele Wunderlich, 2015a: 101. Type species: *Cretaceothele lata* Wunderlich, 2015.

66) *Cretaceothele lata* Wunderlich, 2015

Cretaceothele lata Wunderlich, 2015a: 102.

Type specimen(s). Unknown.

Suborder Mygalomorphae
Family Dipluridae Simon, 1889

3.53 Genus *Phyxioschemoides* Wunderlich, 2015

Phyxioschemoides Wunderlich, 2015a: 104. Type species: *Phyxioschemoides collembola* Wunderlich, 2015.

67) *Phyxioschemoides collembola* Wunderlich, 2015

Phyxioschemoides collembola Wunderlich, 2015a: 105.

Type specimen(s). Unknown.

Family Fossilcalcaridae Wunderlich, 2015

3.54 Genus *Fossilcalcar* Wunderlich, 2015

Fossilcalcar Wunderlich, 2015a: 108. Type species: *Fossilcalcar praeteritus* Wunderlich, 2015.

68) *Fossilcalcar praeteritus* Wunderlich, 2015

Fossilcalcar praeteritus Wunderlich, 2015a: 108.

Type specimen(s). Unknown.

Family Praeterleptonetidae Wunderlich, 2008

3.55 Genus *Palaeohygropoda* Penney, 2004

Palaeohygropoda Penney, 2004: 142. Type species: *Palaeohygropoda myanmarensis* Penney, 2004.

69) *Palaeohygropoda myanmarensis* Penney, 2004

Palaeohygropoda myanmarensis Penney, 2004: 142.

Type specimen(s). H: NHM In. 19132(1) (NHML).

3.56 Genus *Praeterleptoneta* Wunderlich, 2008

Praeterleptoneta Wunderlich, 2008b: 588. Type species: *Praeterleptoneta spinipes* Wunderlich, 2008.

70) *Praeterleptoneta spinipes* Wunderlich, 2008

Praeterleptoneta spinipes Wunderlich, 2008b: 588.

Type specimen(s). H: F1836/BU/AR/CJW (PCJW).

3.57 Genus *Autotomiana* Wunderlich, 2015

Autotomiana Wunderlich, 2015a: 178. Type species: *Autotomiana hirsutipes* Wunderlich, 2015.

71) *Autotomiana hirsutipes* Wunderlich, 2015

Autotomiana hirsutipes Wunderlich, 2015a: 179.

Type specimen(s). Unknown.

3.58 Genus *Biapophysys* Wunderlich, 2015

Biapophysys Wunderlich, 2015a: 182. Type species: *Biapophysys beate* Wunderlich, 2015.

72) *Biapophysys beate* Wunderlich, 2015

Biapophysys beate Wunderlich, 2015a: 182.

Type specimen(s). Unknown.

3.59 Genus *Crassitibia* Wunderlich, 2015

Crassitibia Wunderlich, 2015a: 185. Type species: *Crassitibia longispina* Wunderlich, 2015.

73) *Crassitibia longispina* Wunderlich, 2015

Crassitibia longispina Wunderlich, 2015a: 185.

Type specimen(s). Unknown.

74) *Crassitibia tenuimana* Wunderlich, 2015

Crassitibia tenuimana Wunderlich, 2015a: 186.

Type specimen(s). Unknown.

3.60 Genus *Curvitibia* Wunderlich, 2015

Curvitibia Wunderlich, 2015a: 187. Type species: *Curvitibia curima* Wunderlich, 2015.

75) *Curvitibia curima* Wunderlich, 2015

Curvitibia curima Wunderlich, 2015a: 188.

Type specimen(s). Unknown.

3.61 Genus *Groehnianus* Wunderlich, 2015

Groehnianus Wunderlich, 2015a: 189. Type species: *Groehnianus burmensis* Wunderlich, 2015.

76) *Groehnianus burmensis* Wunderlich, 2015

Groehnianus burmensis Wunderlich, 2015a: 189.

Type specimen(s). Unknown.

3.62 Genus *Hypotheridiosoma* Wunderlich, 2012

Hypotheridiosoma Wunderlich, 2012b: 215. Type species: *Hypotheridiosoma paracymbium* Wunderlich, 2012.

77) *Hypotheridiosoma falcata* Wunderlich, 2015

Hypotheridiosoma falcata Wunderlich, 2015a: 191.

Type specimen(s). Unknown.

78) *Hypotheridiosoma paracymbium* Wunderlich, 2012

Hypotheridiosoma paracymbium Wunderlich, 2012b: 216.

Type specimen(s). H: F2348/BU/AR/CJW (PCJW).

3.63 Genus *Parvispina* Wunderlich, 2015

Parvispina Wunderlich, 2015a: 192. Type species: *Praeterleptoneta tibialis* Wunderlich, 2011.

79) *Parvispina tibialis* (Wunderlich, 2011)

Praeterleptoneta tibialis Wunderlich, 2011: 559.

Parvispina tibialis: Wunderlich, 2015a: 192.

Type specimen(s). H: F2210/BU/AR/CJW (PCJW).

3.64 Genus *Spinipalpitibia* Wunderlich, 2015

Spinipalpitibia Wunderlich, 2015: 193. Type species: *Spinipalpitibia maior* Wunderlich, 2015.

80) *Spinipalpitibia maior* Wunderlich, 2015

Spinipalpitibia maior Wunderlich, 2015a: 193.

Type specimen(s). Unknown.

Family Pholcochyroceridae Wunderlich, 2008

3.65 Genus *Pholcochyrocer* Wunderlich, 2008

Pholcochyrocer Wunderlich, 2008b: 593. Type species: *Pholcochyrocer guttulaeque* Wunderlich, 2008.

81) *Pholcochyrocer? baculum* Wunderlich, 2012

Pholcochyrocer? baculum Wunderlich, 2012b: 194.

Type specimen(s). H: F2339/BU/CJW (PCJW).

82) *Pholcochyrocer guttulaeque* Wunderlich, 2008

Pholcochyrocer guttulaeque Wunderlich, 2008b: 594.

Type specimen(s). H: F1913/BU/AR/CJW (PCJW).

83) *Pholcochyrocer pecten* Wunderlich, 2012

Pholcochyrocer pecten Wunderlich, 2012b: 195.

Type specimen(s). H: F2268/BU/AR/CJW (PCJW).

3.66 Genus *Spinicreber* Wunderlich, 2015

Spinicreber Wunderlich, 2015a: 199. Type species: *Spinicreber antiquus* Wunderlich, 2015.

84) *Spinicreber antiquus* Wunderlich, 2015

Spinicreber antiquus Wunderlich, 2015a: 199.

Type specimen(s). Unknown.

3.67 Genus *Spinipalpus* Wunderlich, 2015

Spinipalpus Wunderlich, 2015a: 200. Type species: *Spinipalpus vetus* Wunderlich, 2015.

85) *Spinipalpus vetus* Wunderlich, 2015

Spinipalpus vetus Wunderlich, 2015a: 200.

Type specimen(s). Unknown.

Superfamily Leptonetoidea Simon, 1890

Family Leptonetidae Simon, 1890

Subfamily Palaeoleptonetinae Wunderlich, 2012

3.68 Genus *Palaeoleptoneta* Wunderlich, 2012

Palaeoleptoneta Wunderlich, 2012b: 188. Type species: *Palaeoleptoneta calcar* Wunderlich, 2012.

86) *Palaeoleptoneta calcar* Wunderlich, 2012

Palaeoleptoneta calcar Wunderlich, 2012b: 188.

Type specimen(s). H: F2350/AR/CJW (PCJW).

Family Epsilodercidae Wunderlich, 2008

3.69 Genus *Eopsilodermes* Wunderlich, 2008

Eopsilodermes Wunderlich, 2008b: 578. Type species: *Eopsilodermes loxosceloides* Wunderlich, 2008.

87) *Eopsilodermes filiformis* (Wunderlich, 2012)

Psilodermes? filiformis Wunderlich, 2012b: 180.

Eopsilodermes filiformis Wunderlich, 2015a: 147

Type specimen(s). H: F2267/BU/AR/CJW (PCJW).

88) *Eopsilodermes loxosceloides* Wunderlich, 2008

Eopsilodermes loxosceloides Wunderlich, 2008b: 579.

Type specimen(s). H: F1914/BU/AR/CJW (PCJW).

89) *Eopsilodermes serenitas* Wunderlich, 2015

Eopsilodermes serenitas Wunderlich, 2015a: 147.

Type specimen(s). Unknown.

3.70 Genus *Furcembolus* Wunderlich, 2008

Furcembolus Wunderlich, 2008b: 582. Type species: *Furcembolus andersoni* Wunderlich, 2008.

90) *Furcembolus andersoni* Wunderlich, 2008

Furcembolus andersoni Wunderlich, 2008b: 582.

Type specimen(s). H: F2011/BU/AR/CJW (PCJW).

3.71 Genus *Leclercera* Deeleman-Reinhold, 1995

Leclercera Deeleman-Reinhold, 1995: 23. Type species: *Leclercera khaoyai* Deeleman-Reinhold, 1995.

91) *Leclercera ellenbergeri* Wunderlich, 2015

Leclercera ellenbergeri Wunderlich, 2015a: 152.

Type specimen(s). Unknown.

92) *Leclercera longissipes* Wunderlich, 2012

Leclercera longissipes Wunderlich, 2012b: 178.

Type specimen(s). H: F2349/BU/AR/CJW (PCJW).

93) *Leclercera sexaculeata* Wunderlich, 2015

Leclercera sexaculeata Wunderlich, 2015a: 153.

Type specimen(s). Unknown.

94) *Leclercera spicula* Wunderlich, 2012

Leclercera spicula Wunderlich, 2012b: 179.

Type specimen(s). H: F2340/BU/CJW (PCJW).

Family Psilodercidae Deeleman-Reinhold, 1995

3.72 Genus *Propterpsilodermes* Wunderlich, 2015

Propterpsilodermes Wunderlich, 2015a: 155. Type species: *Propterpsilodermes longisetae* Wunderlich, 2015.

95) *Propterpsiloderces longisetae* Wunderlich, 2015

Propterpsiloderces longisetae Wunderlich, 2015a: 156.

Type specimen(s). Unknown.

Family Tetrablemmidae Cambridge, 1873

3.73 Genus *Bicornoculus* Wunderlich, 2015

Bicornoculus Wunderlich, 2015a: 165. Type species: *Bicornoculus levis* Wunderlich, 2015.

96) *Bicornoculus levis* Wunderlich, 2015

Bicornoculus levis Wunderlich, 2015a: 165.

Type specimen(s). Unknown.

3.74 Genus *Eogamasomorpha* Wunderlich, 2008

Eogamasomorpha Wunderlich, 2008b: 576. Type species: *Eogamasomorpha nubila* Wunderlich, 2008.

97) *Eogamasomorpha clara* Wunderlich, 2015

?*Eogamasomorpha clara* Wunderlich, 2015a: 167.

Type specimen(s). Unknown.

98) *Eogamasomorpha nubila* Wunderlich, 2008

Eogamasomorpha nubila Wunderlich, 2008b: 576.

Type specimen(s). H: Poinar B-A-1-1 (PACO).

3.75 Genus *Praeterpaculla* Wunderlich, 2015

Praeterpaculla Wunderlich, 2015a: 159. Type species: *Praeterpaculla tuberosa* Wunderlich, 2015.

99) *Praeterpaculla armatura* Wunderlich, 2015

Praeterpaculla armatura Wunderlich, 2015a: 160.

Type specimen(s). Unknown.

100) *Praeterpaculla biacuta* Wunderlich, 2015

Praeterpaculla biacuta Wunderlich, 2015a: 161.

Type specimen(s). Unknown.

101) *Praeterpaculla dissolata* Wunderlich, 2015

Praeterpaculla dissolata Wunderlich, 2015a: 162.

Type specimen(s). Unknown.

102) *Praeterpaculla equester* Wunderlich, 2015

Praeterpaculla equester Wunderlich, 2015a: 163.

Type specimen(s). Unknown.

103) *Praeterpaculla tuberosa* Wunderlich, 2015

Praeterpaculla tuberosa Wunderlich, 2015a: 163.

Type specimen(s). Unknown.

3.76 Genus *Saetosoma* Wunderlich, 2012

Saetosoma Wunderlich, 2012b: 174. Type species: *Saetosoma filiembolus* Wunderlich, 2012.

104) *Saetosoma filiembolus* Wunderlich, 2012

Saetosoma filiembolus Wunderlich, 2012b: 174.

Type specimen(s). H: F2347/BU/AR/CJW (PCJW).

3.77 Genus *Uniscutosoma* Wunderlich, 2015

Uniscutosoma Wunderlich, 2015a: 168. Type species: *Uniscutosoma aberrans* Wunderlich, 2015.

105) *Uniscutosoma aberrans* Wunderlich, 2015

Uniscutosoma aberrans Wunderlich, 2015a: 169.

Type specimen(s). Unknown.

3.78 Genus *Eoscaphiella* Wunderlich, 2011

Eoscaphiella Wunderlich, 2011: 545. Type species: *Eoscaphiella ohlhoffi* Wunderlich, 2011.

106) *Eoscaphiella ohlhoffi* Wunderlich, 2011

Eoscaphiella ohlhoffi Wunderlich, 2011: 556.

Type specimen(s). H: F2211/BU/AR/CJW (PCJW).

Subfamily Tetrablemminae Pickard-Cambridge, 1873

3.79 Genus *Electroblemma* Selden, Zhang & Ren, 2016

Electroblemma Selden, Zhang & Ren, 2016b: 130. Type species: *Electroblemma bifida* Selden, Zhang & Ren, 2016.

107) *Electroblemma bifida* Selden, Zhang & Ren, 2016

Electroblemma bifida Selden, Zhang & Ren, 2016b: 130.

Type specimen(s). H (♂): BU-001055 (EMTG). P (♂): BU-001725 (EMTG).

Superfamily Dysderoidea Bristowe, 1938

Family Segestriidae Simon, 1893

Subfamily Segestriinae Simon, 1893

3.80 Genus *Denticulsegestia* Wunderlich, 2015

Denticulsegestia Wunderlich, 2015a: 124. Type species: *Denticulsegestia rugosa* Wunderlich, 2015a.

108) *Denticulsegestia rugosa* Wunderlich, 2015

Denticulsegestia rugosa Wunderlich, 2015a: 125.

Type specimen(s). Unknown.

3.81 Genus *Jordansegestria* Wunderlich, 2015

Jordansegestria Wunderlich, 2015a: 126. Type species: *Jordansegestria detruneo* Wunderlich, 2015.

109) *Jordansegestria detruneo* Wunderlich, 2015

Jordansegestria detruneo Wunderlich, 2015a: 126.

Type specimen(s). Unknown.

3.82 Genus *Myansegestia* Wunderlich, 2015

Myansegestia Wunderlich, 2015a: 127. Type species: *Myansegestia engin* Wunderlich, 2015.

110) *Myansegestia caederens* Wunderlich, 2015

Myansegestia caederens Wunderlich, 2015a: 129.

Type specimen(s). Unknown.

111) *Myansegestia engin* Wunderlich, 2015

Myansegestia engin Wunderlich, 2015a: 128.

Type specimen(s). Unknown.

3.83 Genus *Parvosegestria* Wunderlich, 2015

Parvosegestria Wunderlich, 2015a: 131. Type species: *Parvosegestria obscura* Wunderlich, 2015.

112) *Parvosegestria longitibialis* Wunderlich, 2015

Parvosegestria longitibialis Wunderlich, 2015a: 133.

Type specimen(s). Unknown.

113) *Parvosegestria obscura* Wunderlich, 2015

Parvosegestria obscura Wunderlich, 2015a: 132.

Type specimen(s). Unknown.

114) *Parvosegestria pintgu* Wunderlich, 2015

Parvosegestria pintgu Wunderlich, 2015a: 133.

Type specimen(s). Unknown.

115) *Parvosegestria triplex* Wunderlich, 2015

Parvosegestria triplex Wunderlich, 2015a: 134.

Type specimen(s). Unknown.

Family Oonopidae Simon, 1890

3.84 Genus *Burmorchestina* Wunderlich, 2008

Burmorchestina Wunderlich, 2008a: 68. Type species: *Burmorchestina pulcher* Wunderlich, 2008.

116) *Burmorchestina pulcher* Wunderlich, 2008

Burmorchestina pulcher Wunderlich, 2008a: 69.

Type specimen(s). H: F1908/BU/AR/CJW (PCJW).

Family Plumorsolidae Wunderlich, 2008

3.85 Genus *Burmorsolus* Wunderlich, 2015

Burmorsolus Wunderlich, 2015a: 137. Type species: *Burmorsolus nonplumosus* Wunderlich, 2015.

117) *Burmorsolus crassus* Wunderlich, 2015

Burmorsolus crassus Wunderlich, 2015a: 139.

Type specimen(s). Unknown.

118) *Burmorsolus nonplumosus* Wunderlich, 2015

Burmorsolus nonplumosus Wunderlich, 2015a: 138.

Type specimen(s). Unknown.

Family Archaeidae Koch & Berendt, 1854

Subfamily Archaeinae Koch & Berendt, 1854

3.86 Genus *Burmesarchaea* Wunderlich, 2008

Burmesarchaea Wunderlich, 2008b: 605. Type species: *Burmascutum aenigma* Wunderlich, 2008.

119) *Burmesarchaea grimaldii* (Penney, 2003)

Afrarchaea grimaldii Penney, 2003: 123.

Burmesarchaea grimaldii: Dunlop, Penney & Jekel, 2013: 141.

Type specimen(s). H (♂): AMNH Bu-256 (AMNH). Non-types: AMNH Bu-706 (AMNH).

Subfamily Lacunaucheniinae Wunderlich, 2008

3.87 Genus *Eomysmauchenius* Wunderlich, 2008

Eomysmauchenius Wunderlich, 2008b: 608. Type species: *Eomysmauchenius septentrionalis* Wunderlich, 2008.

120) *Eomysmauchenius septentrionalis* Wunderlich, 2008

Eomysmauchenius septentrionalis Wunderlich, 2008b: 609.

Type specimen(s). H: F1837/BU/AR/CJW (PCJW).

3.88 Genus *Filiauchenius* Wunderlich, 2008

Filiauchenius Wunderlich, 2008b: 610. Type species: *Filiauchenius paucidentatus* Wunderlich, 2008.

121) *Filiauchenius paucidentatus* Wunderlich, 2008

Filiauchenius paucidentatus Wunderlich, 2008b: 610.

Type specimen(s). H: F1924/BU/AR/CJW (PCJW).

3.89 Genus *Lacunauchenius* Wunderlich, 2008

Lacunauchenius Wunderlich, 2008b: 607. Type species: *Lacunauchenius speciosus* Wunderlich, 2008.

122) *Lacunauchenius longissipes* Wunderlich, 2015

Lacunauchenius longissipes Wunderlich, 2015a: 229.

Type specimen(s). Unknown.

123) *Lacunauchenius pilosus* Wunderlich, 2015

Lacunauchenius pilosus Wunderlich, 2015a: 228.

Type specimen(s). Unknown.

124) *Lacunauchenius speciosus* Wunderlich, 2008

Lacunauchenius speciosus Wunderlich, 2008b: 607.

Type specimen(s). H: F1923/BB/AR/CJW (PCJW).

Family Archaeidae Koch & Berendt, 1854

3.90 Genus *Planarchaea* Wunderlich, 2015

Planarchaea Wunderlich, 2015a: 231. Type species: *Planarchaea kopp* Wunderlich, 2015.

125) *Planarchaea kopp* Wunderlich, 2015

Planarchaea kopp Wunderlich, 2015a: 232.

Type specimen(s). Unknown.

Family Micropalpimanidae Wunderlich, 2008

3.91 Genus *Micropalpimanus* Wunderlich, 2008

Micropalpimanus Wunderlich, 2008b: 617. Type species: *Micropalpimanus poinari* Wunderlich, 2008.

126) *Micropalpimanus poinari* Wunderlich, 2008

Micropalpimanus poinari Wunderlich, 2008b: 617.

Type specimen(s). H: Poinar B-A-1-3 (PACO).

Superfamily Palpimanoidea Forster & Platnick, 1984

Family Lagonomegopidae Eskov & Wunderlich 1994

Subfamily Archaelagonopinae Wunderlich, 2012

3.92 Genus *Archaelagonops* Wunderlich, 2012

Archaelagonops Wunderlich, 2012b: 207. Type species: *Archaelagonops salticoides* Wunderlich, 2012.

127) *Archaelagonops alavensis* (Penney, 2005)

Burlagonomegops alavensis Penney, 2006: 379.

Archaelagonops alavensis: Wunderlich, 2015: 246

Type specimen(s). Unknown.

128) *Archaelagonops propinquus* Wunderlich, 2015

Archaelagonops propinquus Wunderlich, 2015a: 250.

Type specimen(s). Unknown.

129) *Archaelagonops salticoides* Wunderlich, 2012

Archaelagonops salticoides Wunderlich, 2012b: 207.

Type specimen(s). H: F2364/BU/AR/CJW (PCJW).

130) *Archaelagonops scorsum* Wunderlich, 2015

Archaelagonops scorsum Wunderlich, 2015a: 249.

Type specimen(s). Unknown.

3.93 Genus *Burlagonomegops* Penney, 2005

Burlagonomegops Penney, 2005: 441. Type species: *Burlagonomegops eskovi* Penney, 2005.

131) *Burlagonomegops eskovi* Penney, 2005

Burlagonomegops eskovi Penney, 2005: 441.

Type specimen(s). H: juvenile AMNH Bu–707(AMNH). P (?): 1 juvenile AMNH Bu–1353 (AMNH).

3.94 Genus *Cymbiolagonops* Wunderlich, 2015

Cymbiolagonops Wunderlich, 2015a: 251. Type species: *Cymbiolagonops cymbiocalcar* Wunderlich, 2015.

132) *Cymbiolagonops cymbiocalcar* Wunderlich, 2015

Cymbiolagonops cymbiocalcar Wunderlich, 2015a: 251.

Type specimen(s). Unknown.

Subfamily Lagonomegopinae Eskov & Wunderlich 1995

3.95 Genus *Lagonoburmops* Wunderlich, 2012

Lagonoburmops Wunderlich, 2012b: 203. Type species *Lagonoburmops plumosus* Wunderlich, 2012.

133) *Lagonoburmops plumosus* Wunderlich, 2012

Lagonoburmops plumosus Wunderlich, 2012b: 203.

Type specimen(s). H: F2270/BU/AR/CJW (PCJW).

3.96 Genus *Lagonomegops* Eskov & Wunderlich, 1994

Lagonomegops Eskov & Wunderlich, 1994: 98. Type species: *Lagonomegops sukatchevae* Eskov & Wunderlich, 1994.

134) ?*Lagonomegops tuber* Wunderlich, 2015

Lagonomegops tuber Wunderlich, 2015a: 253.

Type specimen(s). Unknown.

3.97 Genus *Lineaburmops* Wunderlich, 2015

Lineaburmops Wunderlich, 2015a: 254. Type species: *Lineaburmops beigeli* Wunderlich, 2015.

135) *Lineaburmops beigeli* Wunderlich, 2015

Lineaburmops beigeli Wunderlich, 2015a: 255.

Type specimen(s). Unknown.

136) *Lineaburmops hirsutipes* Wunderlich, 2015

Lineaburmops hirsutipes Wunderlich, 2015a: 256.

Type specimen(s). Unknown.

3.98 Genus *Myanlagonops* Wunderlich, 2012

Myanlagonops Wunderlich, 2012b: 204. Type species: *Myanlagonops gracilipes* Wunderlich, 2012.

137) *Myanlagonops gracilipes* Wunderlich, 2012

Myanlagonops gracilipes Wunderlich, 2012b: 205.

Type specimen(s). H: F2269/BU/AR/CJW (PCJW).

3.99 Genus *Parviburmops* Wunderlich, 2015

Parviburmops Wunderlich, 2015a: 258. Type species: *Parviburmops brevipalpus* Wunderlich, 2015.

138) *Parviburmops brevipalpus* Wunderlich, 2015

Parviburmops brevipalpus Wunderlich, 2015a: 258.

Type specimen(s). Unknown.

3.100 Genus *Paxillomegops* Wunderlich, 2015

Paxillomegops Wunderlich, 2015a: 259. Type species: *Paxillomegops longipes* Wunderlich, 2015.

139) *Paxillomegops brevipes* Wunderlich, 2015

?*Paxillomegops brevipes* Wunderlich, 2015a: 260.

Type specimen(s). Unknown.

140) *Paxillomegops longipes* Wunderlich, 2015

Paxillomegops longipes Wunderlich, 2015a: 261.

Type specimen(s). Unknown.

3.101 Genus *Picturmegops* Wunderlich, 2015

Picturmegops Wunderlich, 2015a: 262. Type species: *Picturmegops signatus* Wunderlich, 2015.

141) *Picturmegops signatus* Wunderlich, 2015

Picturmegops signatus Wunderlich, 2015a: 262.

Type specimen(s). Unknown.

Family Spatiatoridae Petrunkevitch, 1942

3.102 Genus *Spatiator* Petrunkevitch, 1942

Spatiator Petrunkevitch, 1942: 134. Type species: *Spatiator praeceps* Petrunkevitch, 1942.

142) *Spatiator putescens* Wunderlich, 2015

Spatiator putescens Wunderlich, 2015a: 271.

Type specimen(s). Unknown.

Subfamily Vetiatorinae Wunderlich, 2015

3.103 Genus *Vetiator* Wunderlich, 2015

Vetiator Wunderlich, 2015a: 272. Type species: *Vetiator gracilipes* Wunderlich, 2015.

143) *Vetiator gracilipes* Wunderlich, 2015

Vetiator gracilipes Wunderlich, 2015a: 273.

Type specimen(s). Unknown.

Superfamily Oecobioidea Koch, 1850

Family Oecobiidae Blackwall, 1862

Subfamily Retroecobiinae Wunderlich, 2015

3.104 Genus *Retroecobius* Wunderlich, 2015

Retroecobius Wunderlich, 2015a: 300. Type species: *Retroecobius chomskyi* Wunderlich, 2015.

144) *Retroecobius chomskyi* Wunderlich, 2015

Retroecobius chomskyi Wunderlich, 2015a: 300.

Type specimen(s). Unknown.

145) *Retroecobius convexus* Wunderlich, 2015

Retroecobius convexus Wunderlich, 2015a: 32.

Type specimen(s). Unknown.

Family Oecobiidae Blackwall, 1862

3.105 Genus *Zamilia* Wunderlich, 2008

Zamilia Wunderlich, 2008b: 621. Type species: *Zamilia antecessor* Wunderlich, 2008.

146) *Zamilia antecessor* Wunderlich, 2008

Zamilia antecessor Wunderlich, 2008b: 622.

Type specimen(s). H: F1919/BU/AR/CJW (PCJW).

147) *Zamilia aculeopectens* Wunderlich, 2015

Zamilia aculeopectens Wunderlich, 2015a: 295.

Type specimen(s). Unknown.

148) *Zamilia quattuormammillae* Wunderlich, 2015

Zamilia quattuormammillae Wunderlich, 2015a: 296.

Type specimen(s). Unknown.

Family Hersiliidae Thorell, 1870

3.106 Genus *Burmesiola* Wunderlich, 2011

Burmesiola Wunderlich, 2011: 551. Type species: *Burmesiola cretacea* Wunderlich, 2011.

149) *Burmesiola cretacea* Wunderlich, 2011

Burmesiola cretacea Wunderlich, 2011: 551.

Type specimen(s). H: F2206/BU/AR/CJW (PCJW).

150) *Burmesiola daviesi* Wunderlich, 2015

Burmesiola daviesi Wunderlich, 2015a: 304.

Type specimen(s). Unknown.

3.107 Genus *Spinasilia* Wunderlich, 2015

Spinasilia Wunderlich, 2015a: 305. Type species: *Spinasilia dissoluta* Wunderlich, 2015.

151) *Spinasilia dissoluta* Wunderlich, 2015

Spinasilia dissoluta Wunderlich, 2015a: 306.

Type specimen(s). Unknown.

Superfamily uncertain

Family Burmascutidae Wunderlich, 2008

3.108 Genus *Burmascutum* Wunderlich, 2008

Burmascutum Wunderlich, 2008b: 625. Type species: *Burmascutum aenigma* Wunderlich, 2008.

152) *Burmascutum aenigma* Wunderlich, 2008

Burmascutum aenigma Wunderlich, 2008b: 625.

Type specimen(s). H: Poinar B-A-1-7 (PACO).

Family Dictynidae Pickard-Cambridge, 1871

3.109 Genus *Burmadictyna* Wunderlich, 2008

Burmadictyna Wunderlich, 2008b: 647. Type species: *Burmadictyna pecten* Wunderlich, 2008.

153) *Burmadictyna clava* Wunderlich, 2015

Burmadictyna clava Wunderlich, 2015a: 317.

Type specimen(s). Unknown.

154) *Burmadictyna excavata* Wunderlich, 2015

Burmadictyna excavata Wunderlich, 2015a: 315.

Type specimen(s). Unknown.

155) *Burmadictyna pecten* Wunderlich, 2008

Burmadictyna pecten Wunderlich, 2008b: 648.

Type specimen(s). H: F769/BUR/AR/CJW (PCJW).

Family Uloboridae Thorell, 1869

3.110 Genus *Bicalamistrum* Wunderlich, 2015

Bicalamistrum Wunderlich, 2015a: 322. Type species: *Bicalamistrum mixtum* Wunderlich, 2015.

156) *Bicalamistrum mixtum* Wunderlich, 2015

Bicalamistrum mixtum Wunderlich, 2015a: 323.

Type specimen(s). Unknown.

3.111 Genus *Burmuloborus* Wunderlich, 2008

Burmuloborus Wunderlich, 2008b: 634. Type species: *Burmuloborus parvus* Wunderlich, 2008.

157) *Burmuloborus antefixus* Wunderlich, 2015

Burmuloborus antefixus Wunderlich, 2015a: 324.

Type specimen(s). Unknown.

158) *Burmuloborus parvus* Wunderlich, 2008

Burmuloborus parvus Wunderlich, 2008b: 634.

Type specimen(s). H: SMF F2014/BU/AR/CJW (PCJW).

159) *Burmuloborus prolongatus* Wunderlich, 2015

?*Burmuloborus prolongatus* Wunderlich, 2015a: 325.

Type specimen(s). Unknown.

3.112 Genus *Microuloborus* Wunderlich, 2015

Microuloborus Wunderlich, 2015: 329. Type species: *Microuloborus birmanicus* Wunderlich, 2015.

160) *Microuloborus birmanicus* Wunderlich, 2015

Microuloborus birmanicus Wunderlich, 2015a: 329.

Type specimen(s). Unknown.

3.113 Genus *Oculoborus* Wunderlich, 2012

Oculoborus Wunderlich, 2012b: 211. Type species: *Oculoborus curvatus* Wunderlich, 2012.

161) *Oculoborus curvatus* Wunderlich, 2012

Oculoborus curvatus Wunderlich, 2012b: 211.

Type specimen(s). H: F2278/BU/AR/CJW (PCJW).

3.114 Genus *Palaeomiagrammopes* Wunderlich, 2008

Palaeomiagrammopes Wunderlich, 2008b: 638. Type species: *Palaeomiagrammopes vesica* Wunderlich, 2008.

162) *Palaeomiagrammopes vesica* Wunderlich, 2008

Palaeomiagrammopes vesica Wunderlich, 2008b: 638.

Type specimen(s). H: Poinar B-A-1-13 (PACO).

3.115 Genus *Paramiagrammopes* Wunderlich, 2008

Paramiagrammopes Wunderlich, 2008b: 636. Type species: *Paramiagrammopes cretaceus* Wunderlich, 2008.

163) *Paramiagrammopes cretaceus* Wunderlich, 2008

Paramiagrammopes cretaceus Wunderlich, 2008b: 636.

Type specimen(s). H: Poinar B-A-1-8.

164) *Paragrammopes longiclypeus* Wunderlich, 2015

Paragrammopes longiclypeus Wunderlich, 2015a: 332.

Type specimen(s). Unknown.

165) *Paramiagrammopes patellidens* Wunderlich, 2015

Paramiagrammopes patellidens Wunderlich, 2015a: 333.

Type specimen(s). Unknown.

Superfamily Araneoidea Latreille, 1806

Family Theridiidae Sundevall, 1833

Subfamily Cretotheridiinae Wunderlich, 2015

3.116 Genus *Cretotheridion* Wunderlich, 2015

Cretotheridion Wunderlich, 2015a: 343. Type specie: *Cretotheridion inopinatum* Wunderlich, 2015.

166) *Cretotheridion inopinatum* Wunderlich, 2015

Cretotheridion inopinatum Wunderlich, 2015a: 343.

Type specimen(s). Unknown.

Family Theridiosomatidae Simon, 1881

3.117 Genus *Leviunguis* Wunderlich, 2012

Leviunguis Wunderlich, 2012b: 213. Type specie: *Leviunguis bruckschi* Wunderlich, 2012.

167) *Leviunguis bruckschi* Wunderlich, 2012

Leviunguis bruckschi Wunderlich, 2012b: 213.

Type specimen(s). H: F2266/BU/AR/CJW (PCJW).

Family Nephilidae Simon, 1894

3.118 Genus *Nephila* Leach, 1815

Nephila Leach, 1815: 133. Type species: *Nephila pilipes* (Fabricius, 1793).

Geratonephila Poinar, 2012: 519. Type species: *Geratonephila burmanica* Poinar, 2012.

168) *Nephila burmanica* (Poinar, 2012)

Geratonephila burmanica Poinar, 2012: 520.

Nephila burmanica: Wunderlich, 2015b: 416.

Type specimen(s). H (♂): No. E-2 (RBAC).

Family Mongolarachnidae Selden, Shi & Ren, 2013

Subfamily Longissipalpinæ Wunderlich, 2015

3.119 Genus *Longissipalpus* Wunderlich, 2015

Longissipalpus Wunderlich, 2015a: 205. Type species: *Longissipalpus minor* Wunderlich, 2015.

169) *Longissipalpus magnus* Wunderlich, 2015

Longissipalpus magnus Wunderlich, 2015a: 207.

Type specimen(s). Unknown.

170) *Longissipalpus maior* Wunderlich, 2015

Longissipalpus minor Wunderlich, 2015a: 207.

Type specimen(s). Unknown.

171) *Longissipalpus minor* Wunderlich, 2015

Longissipalpus minor Wunderlich, 2015a: 205.

Type specimen(s). Unknown.

Subfamily Pedipalparaneinae Wunderlich, 2015

3.120 Genus *Pedipalparaneus* Wunderlich, 2015

Pedipalparaneus Wunderlich, 2015a: 209. Type species: *Pedipalparaneus seldeni* Wunderlich, 2015.

172) *Pedipalparaneus seldeni* Wunderlich, 2015

Pedipalparaneus seldeni Wunderlich, 2015a: 209.

Type specimen(s). Unknown.

Family Dictynidae Cambridge, 1871

3.121 Genus *Kronocharon* Engel & Grimaldi, 2014

Kronocharon Engel & Grimaldi, 2014b: 8. Type species: *Kronocharon prendinii* Engel & Grimaldi, 2014.

173) *Kronocharon engeli* Wunderlich, 2015

Kronocharon engeli Wunderlich, 2015b: 426.

Type specimen(s). Unknown.

174) *Kronocharon longicalcaris* Wunderlich, 2015

Kronocharon longicalcaris Wunderlich, 2015b: 427.

Type specimen(s). Unknown.

175) *Kronocharon prendinii* Engel & Grimaldi, 2014

Kronocharon prendinii Engel & Grimaldi, 2014b: 9.

Type specimen(s). H: AMNH JZC Bu150 (JZC).

Order Thelyphonida Latreille, 1804

Family Thelyphonidae Lucas, 1835

3.122 Genus *Burmathelyphonia* Wunderlich, 2015

Burmathelyphonia Wunderlich, 2015b: 432. Type species: *Burmathelyphonia prima* Wunderlich, 2015.

176) *Burmathelyphonia prima* Wunderlich, 2015

Burmathelyphonia prima Wunderlich, 2015b: 433.

Type specimen(s). Unknown.

Subphylum Myriapoda Latreille, 1802

Class Chilopoda Latreille, 1817

Order Geophilomorpha Pocock, 1895

Family Geophilidae Leach, 1815

3.123 Genus *Kachinophilus* Bonato, Edgecombe & Minelli, 2014

Kachinophilus Bonato, Edgecombe & Minelli, 2014: 103. Type species: *Kachinophilus pereirai* Bonato, Edgecombe & Minelli, 2014.

177) *Kachinophilus pereirai* Bonato, Edgecombe & Minelli, 2014

Kachinophilus pereirai Bonato, Edgecombe & Minelli, 2014: 104.

Type specimen(s). H (♂): AMNH Bu-Ba41a (AMNH). P (?): AMNH Bu-Ba50a. AMNH Bu- Ba63a (AMNH).

Class Diplopoda Blainville in Gervais, 1844

Subclass Penicillata Latreille, 1825

Order Polyxenida Verhoeff, 1934

Superfamily Synxenoidea Silvestri, 1923

Family Synxenidae Silvestri, 1923

3.124 Genus *Phryssonotus* Scudder, 1885

Phryssonotus Scudder, 1885: 731. Type species: *Lophonotus hystrix* Menge, 1854.

178) *Phryssonotus burmiticus* (Cockerell, 1917)

Polyxenus burmiticus Cockerell, 1917b: 40.

Phryssonotus burmiticus: Duy- Jacquemin & Geoffroy, 2003: 101.

Type specimen(s). H (♀): NHM In.19122 (NHML).

Additional materials. 60 juveniles, NHMIn.19123 (NHML).

Subphylum Hexapoda Latreille, 1825
Class Entognatha Hirst & Maulik, 1926
Subclass Collembola Lubbock, 1870
Order Entomobryomorpha Börner, 1913
Superfamily Isotomoidea Schaffer, 1896
Family Isotomidae Börner, 1913

3.125 Genus *Burmisotoma* Christiansen & Nascimbene, 2006

Burmisotoma Christiansen & Nascimbene, 2006: 340. Type species: *Burmisotoma lamellifera* Christiansen & Nascimbene, 2006.

179) *Burmisotoma lamellifera* Christiansen & Nascimbene, 2006

Burmisotoma lamellifera Christiansen & Nascimbene, 2006: 342.

Type specimen(s). H: AMNH Bu 818 A 2 specimen 7 (AMNH).

3.126 Genus *Proisotoma* Börner, 1901

Proisotoma Börner, 1901: 134. Type species: *Isotoma minuta* Tullberg, 1871.

180) *Proisotoma petterssonae* Christiansen & Nascimbene, 2006

Proisotoma petterssonae Christiansen & Nascimbene, 2006: 340.

Type specimen(s). H: AMNH Bu 818-A1 specimen 1 (AMNH).

3.127 Genus *Propachyotoma* Christiansen & Nascimbene, 2006

Propachyotoma Christiansen & Nascimbene, 2006: 344. Type species: *Propachyotoma conica* Christiansen & Nascimbene, 2006.

181) *Propachyotoma conica* Christiansen & Nascimbene, 2006

Propachyotoma conica Christiansen & Nascimbene, 2006: 344.

Type specimen(s). H: AMNH Bu 818A2, specimen 12 (AMNH). P (?): AMNH Bu 818A1, specimen 4 (AMNH).

3.128 Genus *Protodesoria* Christiansen & Nascimbene, 2006

Protodesoria Christiansen & Nascimbene, 2006: 346. Type species: *Protodesoria granda* Christiansen & Nascimbene, 2006.

182) *Protodesoria granda* Christiansen & Nascimbene, 2006

Protodesoria granda Christiansen & Nascimbene, 2006: 346.

Type specimen(s). H: AMNH Bu 1452C specimen 9 (AMNH). P (?): AMNH Bu 1452C specimen 11 (AMNH).

3.129 Genus *Protoisotoma* Christiansen & Pike, 2002

Protoisotoma Christiansen & Pike, 2002: 171. Type species: *Protoisotoma micromucra* Christiansen & Pike, 2002.

183) *Protoisotoma burma* Christiansen & Nascimbene, 2006

Protoisotoma burma Christiansen & Nascimbene, 2006: 343.

Type specimen(s). H: AMNH Bu 1074A1 specimen 1 (AMNH). P (6??): AMNH Bu 1074A1, specimens 3 and 4; AMNH Bu 1074A2, specimens 2 and 3; and AMNH Bu 1074A3 specimens 1 and 2 (AMNH).

3.130 Genus *Villusisotoma* Christiansen & Nascimbene, 2006

Villusisotoma Christiansen & Nascimbene, 2006: 334. Type species: *Villusisotoma brevis* Christiansen & Nascimbene, 2006.

184) *Villusisotoma brevis* Christiansen & Nascimbene, 2006

Villusisotoma brevis Christiansen & Nascimbene, 2006: 335.

Type specimen(s). H: AMNH Bu 818A2, specimen 6 (AMNH). P (?): AMNH Bu 818A2 specimen 10 (AMNH).

185) *Villusisotoma longa* Christiansen & Nascimbene, 2006

Villusisotoma longa Christiansen & Nascimbene, 2006: 336.

Type specimen(s). H: AMNH Bu 8181-A2, specimen 8 (AMNH). P (6??): AMNH Bu 8181-A2, specimen 11 (AMNH).

Superfamily Entomobryoidea Schaffer, 1896

Family Praentombryidae Christiansen & Nascimbene, 2006

3.131 Genus *Cretacentomobrya* Christiansen & Nascimbene, 2006

Cretacentomobrya Christiansen & Nascimbene, 2006: 357. Type species: *Cretacentomobrya burma* Christiansen & Nascimbene, 2006.

186) *Cretacentomobrya burma* Christiansen & Nascimbene, 2006

Cretacentomobrya burma Christiansen & Nascimbene, 2006: 357.

Type specimen(s). H: Bu 1452B, specimen 9. (AMNH). P (?): Bu 1452C, specimen 10 (AMNH).

3.132 Genus *Praentomobrya* Christiansen & Nascimbene, 2006

Praentomobrya Christiansen & Nascimbene, 2006: 356. Type species: *Praentomobrya avita* Christiansen & Nascimbene, 2006.

187) *Praentomobrya avita* Christiansen & Nascimbene, 2006

Praentomobrya avita Christiansen & Nascimbene, 2006: 356.

Type specimen(s). H: 818A2, specimen 5 (AMNH).

Order Poduromorpha Börner, 1906

Superfamily Neanuroidea Börner, 1901

Family Neanuridae Cassagnau, 1955

3.133 Genus *Protodontella* Christiansen & Nascimbene, 2006

Protodontella Christiansen & Nascimbene, 2006: 350. Type specie: *Protodontella minicornis* Christiansen & Nascimbene, 2006.

188) *Protodontella minicornis* Christiansen & Nascimbene, 2006

Protodontella minicornis Christiansen & Nascimbene, 2006: 350.

Type specimen(s). H: Bu 723C, specimen 2 (AMNH).

Order Symphypleona Börner, 1901

Superfamily Sminthuridoidea Börner, 1906

Family Sminthuridae Lubbock, 1862

3.134 Genus *Grinnellia* Christiansen & Nascimbene, 2006

Grinnellia Christiansen & Nascimbene, 2006: 319. Type species: *Grinnellia ventis* Christiansen & Nascimbene, 2006.

189) *Grinnellia ventis* Christiansen & Nascimbene, 2006

Grinnellia ventis Christiansen & Nascimbene, 2006: 320.

Type specimen(s). H: AMNH Bu 0117A, specimen 2 (AMNH).

Additional materials. One possible fragment, same data as specimen 3 (AMNH).

3.135 Genus *Mucrovirga* Christiansen & Nascimbene, 2006

Mucrovirga Christiansen & Nascimbene, 2006: 325. Type species: *Mucrovirga incompleta* Christiansen & Nascimbene, 2006.

190) *Mucrovirga incompleta* Christiansen & Nascimbene, 2006*Mucrovirga incompleta* Christiansen & Nascimbene, 2006: 326.

Type specimen(s). H: AMNH Bu 168 (AMNH). P (?): Bu 0117B, specimen 1 (AMNH).

3.136 Genus *Sminthuricinus* Christiansen & Nascimbene, 2006*Sminthuricinus* Christiansen & Nascimbene, 2006: 321. Type species: *Sminthuricinus decepta* Christiansen & Nascimbene, 2006.**191) *Sminthuricinus decepta* Christiansen & Nascimbene, 2006***Sminthuricinus decepta* Christiansen & Nascimbene, 2006: 323.

Type specimen(s). H: AMNH Bu 810 A (AMNH).

Additional materials. AMNH Bu 145A, AMNH Bu 723C specimen 6 and AMNH Bu 810 B (AMNH).

3.137 Genus *Sminthurconus* Christiansen & Nascimbene, 2006*Sminthurconus* Christiansen & Nascimbene, 2006: 328. Type species: *Sminthurconus grimaldi* Christiansen & Nascimbene, 2006.**192) *Sminthurconus grimaldi* Christiansen & Nascimbene, 2006***Sminthurconus grimaldi* Christiansen & Nascimbene, 2006: 329.

Type specimen(s). H: AMNH Bu 854A specimen 2 (AMNH). P (?): AMNH Bu 1452C, specimen 1 (AMNH).

Class Insecta Linnaeus, 1758**Order Zygentoma Börner, 1904****Family Lepismatidae Latreille, 1802****3.138 Genus *Allacrotelsa* Silvestri, 1935***Allacrotelsa* Silvestri, 1935: 307. Type species: *Acrotelsa spinata* Packard, 1873.**193) *Allacrotelsa burmiticus* (Cockerell, 1917)***Lampropholis* (?) *burmiticus* Cockerell, 1917a: 360.*Allacrotelsa burmiticus*: Ross & York, 2000: 14.

Type specimen(s). H: In.19119 (NMHL).

3.139 Genus *Cretalepisma* Mendes & Wunderlich, 2013*Cretalepisma* Mendes & Wunderlich, 2013: 17. Type species: *Cretalepisma kachinicum* Mendes & Wunderlich, 2013.**194) *Cretalepisma kachinicum* Mendes & Wunderlich, 2013***Cretalepisma kachinicum* Mendes & Wunderlich, 2013: 18.

Type specimen(s). H (♀): F2329/BU/CJW (SMF).

Subfamily Lepismatinae Latreille, 1802**3.140 Genus *Burmalepisma* Mendes & Poinar, 2008***Burmalepisma* Mendes & Poinar, 2008: 492. Type species: *Burmalepisma cretacicum* Mendes & Poinar, 2008.**195) *Burmalepisma cretacicum* Mendes & Poinar, 2008***Burmalepisma cretacicum* Mendes & Poinar, 2008: 493.

Type specimen(s). H (♀): B-TH 1 (PACO). P (?): B-TH 1A (PACO).

Order Ephemeroptera Latreille, 1810

Family Australiphemeridae McCafferty, 1991

3.141 Genus *Nanophemera* McCafferty & Santiago-Blay, 2008

Nanophemera McCafferty & Santiago-Blay, 2008: 494. Type species: *Nanophemera myanmarensis* McCafferty & Santiago-Blay, 2008.

196) *Nanophemera myanmarensis* McCafferty & Santiago-Blay, 2008

Nanophemera myanmarensis McCafferty & Santiago-Blay, 2008: 494.

Type specimen(s). H: Specimen number not assigned (PERC).

Suborder Pannota McCafferty & Edmunds, 1979

Superfamily Caenoidea Newman, 1853

Family Prosopistomatidae Lameere, 1917

3.142 Genus *Myanmarella* Sinitshenkova, 2000

Myanmarella Sinitshenkova, 2000: 25. Type species: *Myanmarella rossi* Sinitshenkova, 2000.

197) *Myanmarella rossi* Sinitshenkova, 2000

Myanmarella rossi Sinitshenkova, 2000: 25.

Type specimen(s). H (♀): NHM In.20173 (NHML).

Suborder Schistonota McCafferty & Edmunds, 1979

Superfamily Baetoidea Leach, 1815

Family Baetidae Leach, 1815

Subfamily Vetuformosinae Poinar, 2011

3.143 Genus *Vetuformosa* Poinar, 2011

Vetuformosa Poinar, 2011b: 369. Type species: *Vetuformosa buckleyi* Poinar, 2011.

198) *Vetuformosa buckleyi* Poinar, 2011

Vetuformosa buckleyi Poinar, 2011b: 370.

Type specimen(s). H (♀): E-6 (RBAC).

Order Odonata Fabricius, 1793

Suborder Epiprocta Lohmann, 1996

Infraorder Epiophlebioptera Bechly, 1996

Superfamily Epiophlebioidea Muttkowski, 1910

Family Burmaphlebiidae Bechly & Poinar, 2013

3.144 Genus *Burmaphlebia* Bechly & Poinar, 2013

Burmaphlebia Bechly & Poinar, 2013: 234. Type species: *Burmaphlebia reifi* Bechly & Poinar, 2013.

199) *Burmaphlebia reifi* Bechly & Poinar, 2013

Burmaphlebia reifi Bechly & Poinar, 2013: 234.

Type specimen(s). H: no. B-OD-1 (old no. I-PO 9) (PACO).

Infraorder Anisoptera Selys-Longchamps & Hagen, 1854

Family Gomphaeschnidae Tillyard & Fraser, 1940

Subfamily Gomphaeschnaoidinae Bechly *et al.*, 2001

Tribe Gomphaeschnaoidini Bechly *et al.*, 2001

3.145 Genus *Cretagomphaeschnaoides* Zheng et al., 2016*Cretagomphaeschnaoides* Zheng et al., 2016a: 2. Type species: *Cretagomphaeschnaoides jarzembowskiae* Zheng et al., 2016.**200) *Cretagomphaeschnaoides jarzembowskiae* Zheng et al., 2016***Cretagomphaeschnaoides jarzembowskiae* Zheng et al., 2016a: 2.

Type specimen(s). H: NIGP164770 (NIGP).

Family Gomphidae Rambur, 1842**Subfamily Lindeniinae Jacobson & Bianchi, 1905****3.146 Genus *Burmalindenia* Schädel & Bechly, 2016***Burmalindenia* Schädel & Bechly, 2016: 540. Type species: *Burmalindenia imperfecta* Schädel & Bechly, 2016.**201) *Burmalindenia imperfecta* Schädel & Bechly, 2016***Burmalindenia imperfecta* Schädel & Bechly, 2016: 540.

Type specimen(s). H: SMNS Bu-94 (SMNS).

Suborder Zygoptera Selys, 1854**Family Hemiphlebiidae Kennedy, 1920****3.147 Genus *Burmahemiphlebia* Zheng et al., 2016***Burmahemiphlebia* Zheng et al., 2016a: 2. Type species: *Burmahemiphlebia zhangii* Zheng et al., 2016.**202) *Burmahemiphlebia zhangii* Zheng et al., 2016***Burmahemiphlebia zhangii* Zheng et al., 2016a: 2.

Type specimen(s). H: NIGP163664 (NIGP). P (?): NIGP163665 (NIGP).

Additional materials. NIGP163299 (NIGP).

Family Dysagrionidae Cockerell, 1908**3.148 Genus *Palaeodysagrion* Zheng et al., 2016***Palaeodysagrion* Zheng et al., 2016b: 7. Type species: *Palaeodysagrion cretacicus* Zheng et al., 2016.**203) *Palaeodysagrion cretacicus* Zheng et al., 2016***Palaeodysagrion cretacicus* Zheng et al., 2016b: 7.

Type specimen(s). H: NIGP163546(NIGP).

Subfamily Burmadysagrioninae Zheng, Wang & Nel, 2016**3.149 Genus *Burmadysagrion* Zheng, Wang & Nel, 2016***Burmadysagrion* Zheng, Wang & Nel, 2016c: 127. Type species: *Burmadysagrion zhangii* Zheng, Wang & Nel, 2016.**204) *Burmadysagrion zhangii* Zheng, Wang & Nel, 2016***Burmadysagrion zhangii* Zheng, Wang & Nel, 2016c: 127.

Type specimen(s). H: NIGP164516 (NIGP).

Superfamily Coenagrionidea Kirby, 1890**Family Platycnemididae Jacobson & Bianchi, 1905**

Subfamily Disparoneurinae Fraser, 1957

3.150 Genus *Cretadisparoneura* Huang, Azar, Cai & Nel, 2015

Cretadisparoneura Huang, Azar, Cai & Nel, 2015b: 240. Type species: *Cretadisparoneura hongii* Huang, Azar, Cai & Nel, 2015.

205) *Cretadisparoneura hongii* Huang, Azar, Cai & Nel, 2015

Cretadisparoneura hongii Huang, Azar, Cai & Nel, 2015b: 240.

Type specimen(s). H: NIGP 161888 (NIGP).

Subfamily Palaeodisparoneurinae Poinar, Bechly & Buckley, 2010

3.151 Genus *Palaeodisparoneura* Poinar, Bechly & Buckley, 2010

Palaeodisparoneura Bechly & Buckley, 2010: 16. Type species: *Palaeodisparoneura burmanica* Poinar, Bechly & Buckley, 2010.

206) *Palaeodisparoneura burmanica* Poinar, Bechly & Buckley, 2010

Palaeodisparoneura burmanica Poinar, Bechly & Buckley, 2010: 16.

Type specimen(s). H (♂): no. E17 (RBAC).

Family Platystictidae Laidlaw, 1924

3.152 Genus *Mesosticta* Huang, Azar, Cai & Nel, 2015

Mesosticta Huang, Azar, Cai & Nel, 2015b: 238. Type species: *Mesosticta burmatica* *Mesosticta* Huang, Azar, Cai & Nel, 2015.

207) *Mesosticta burmatica* Huang, Azar, Cai & Nel, 2015

Mesosticta burmatica Huang, Azar, Cai & Nel, 2015b: 238.

Type specimen(s). H: NIGP161758 (NIGP). P (?): NIGP161759 (NIGP).

208) *Mesosticta electronica* Zheng *et al.*, 2016

Mesosticta electronica Zheng *et al.*, 2016e: 144.

Type specimen(s). H: NIGP163685 (NIGP).

Superfamily Calopterygoidea Selys, 1850

Family Perilestidae Kennedy, 1920

3.153 Genus *Palaeoperilestes* Zheng *et al.*, 2016

Palaeoperilestes Zheng *et al.*, 2016d: 200. Type species: *Palaeoperilestes electronicus* Zheng *et al.*, 2016.

209) *Palaeoperilestes electronicus* Zheng *et al.*, 2016

Palaeoperilestes electronicus Zheng *et al.*, 2016d: 200.

Type specimen(s). H: NIGP163955 (NIGP).

Order Blattaria Latreille, 1810

Family Raphidiomimidae Vishniakova, 1973

3.154 Genus *Raphidiomimula* Grimaldi & Ross, 2004

Raphidiomimula Grimaldi & Ross, 2004: 101. Type species: *Raphidiomimula burmitica* Grimaldi & Ross, 2004.

210) *Raphidiomimula burmitica* Grimaldi & Ross, 2004

Raphidiomimula burmitica Grimaldi & Ross, 2004: 103.

Type specimen(s). H: NHM In.20150 (3) (NHML).

Superfamily Corydioidea Saussure, 1864

Family Manipulatoridae Vršanský & Bechly, 2015

3.155 Genus *Manipulator* Vršanský & Bechly, 2015

Manipulator Vršanský & Bechly, 2015: 2. Type species: *Manipulator modificaputis* Vršanský & Bechly, 2015.

211) *Manipulator modificaputis* Vršanský & Bechly, 2015

Manipulator modificaputis Vršanský & Bechly, 2015: 2.

Type specimen(s). H (♂): no. SMNS Bu-116 (SMNS).

Order Alienoptera Bai, Beutel, Klass, Wipfler & Zhang, 2016

Family Alienopteridae Bai, Beutel, Klass, Wipfler & Zhang, 2016

3.156 Genus *Alienopterus* Bai, Beutel, Klass, Wipfler & Zhang, 2016

Alienopterus Bai, Beutel, Klass, Wipfler & Zhang, 2016: 5. Type species: *Alienopterus brachyelytrus* Bai, Beutel, Klass, Wipfler & Zhang, 2016.

212) *Alienopterus brachyelytrus* Bai, Beutel, Klass, Wipfler & Zhang, 2016

Alienopterus brachyelytrus Bai, Beutel, Klass, Wipfler & Zhang, 2016: 5.

Type specimen(s). H (♂): No. BU-001057 (EMTG).

Order Mantodea Burmeister, 1838

Family Gryllomantidae Gorochov, 2006

3.157 Genus *Burmantis* Grimaldi, 2003

Burmantis Grimaldi, 2003: 12. Type species: *Burmantis asiatica* Grimaldi, 2003.

213) *Burmantis asiatica* Grimaldi, 2003

Burmantis asiatica Grimaldi, 2003: 12.

Type specimen(s). H: nymph (AMNH).

214) *Burmantis burmitica* (Grimaldi, 2003)

Jersimantis burmiticus Grimaldi, 2003: 23.

Burmantis burmiticus: Gorochov, 2006: 648.

Type specimen(s). H: nymph, AMNH Bu170 (AMNH).

215) *Burmantis zherikhini* Delclòs *et al.*, 2016

Burmantis zherikhini Delclòs *et al.*, 2016: 102.

Type specimen(s). H: no. NMS G.2010.20.8 (NMS).

Family Mantoblattidae Gorochov, 2006

3.158 Genus *Mantoblatta* Gorochov, 2006

Mantoblatta Gorochov, 2006: 649. Type species: *Mantoblatta mira* Gorochov, 2006.

216) *Mantoblatta mira* Gorochov, 2006

Mantoblatta mira Gorochov, 2006: 649.

Type specimen(s). H: NHM, In. 19132-2 (NHML), complete early instar nymph.

Order Isoptera Latreille, 1817

Family Kalotermitidae Banks, 1919

3.159 Genus *Kachinitermopsis* Engel & Delclòs, 2010

Kachinitermopsis Engel & Delclòs, 2010: 128. Type species: *Kaloterme burmensis* Poinar, 2009.

217) *Kachinitermopsis burmensis* (Poinar, 2009)

Kaloterme burmensis Poinar, 2009a: 2.

Kachinitermopsis burmensis: Engel & Delclòs, 2010: 128.

Type specimen(s). H: Specimen B-I-2 (PACO).

3.160 Genus *Proelectrotermes* Rosen, 1913

Proelectrotermes Rosen, 1913: 331. Type species: *Termes (Kaloterme) berendtii* Pictet-Baraban, 1856.

Caloterme (Neotermites) Armbruster, 1941: 18. Type species: *Caloterme (Neotermites) roseni* Armbruster, 1941.

218) *Proelectrotermes holmgreni* Engel *et al.*, 2007

Proelectrotermes holmgreni Engel *et al.*, 2007: 25.

Type specimen(s). H: AMNH Bu-043 (AMNH).

219) *Proelectrotermes swinhoi* (Cockerell, 1916)

Termopsis swinhoi Cockerell, 1916: 138.

Mioterme? swinhoi: Armbruster, 1941: 41.

Kaloterme swinhoi: Williams, 1968: 547.

Proelectrotermes swinhoi: Engel *et al.*, 2007: 24.

Type specimen(s). H: NHML In. 19096 (NHML).

Family Styloniscidae Vandel, 1952

Subfamily Styloniscinae Vandel, 1952

3.161 Genus *Myanmariscus* Broly, Maillet & Ross, 2015

Myanmariscus Broly, Maillet & Ross, 2015: 221. Type species: *Myanmariscus deboiseae* Broly, Maillet & Ross, 2015.

220) *Myanmariscus deboiseae* Broly, Maillet & Ross, 2015

Myanmariscus deboiseae Broly, Maillet & Ross, 2015: 221.

Type specimen(s). H (♀): NMS G.2010.20.42 (NMS).

Family Rhinotermitidae Froggatt, 1897

Subfamily Archeorhinotermitinae Krishna & Grimaldi, 2003

3.162 Genus *Archeorhinoterme* Krishna & Grimaldi, 2003

Archeorhinoterme Krishna & Grimaldi, 2003: 4. Type species: *Archeorhinoterme rossi* Krishna & Grimaldi, 2003.

221) *Archeorhinoterme rossi* Krishna & Grimaldi, 2003

Archeorhinoterme rossi Krishna & Grimaldi, 2003: 4.

Type specimen(s). H: NHM In. 20160 (NHML).

Family incertae sedis**3.163 Genus *Dharmatermes* Engel et al., 2007**

Dharmatermes Engel et al., 2007: 16. Type species: *Dharmatermes avernalis* Engel et al., 2007.

222) *Dharmatermes avernalis* Engel et al., 2007

Dharmatermes avernalis Engel et al., 2007: 19.

Type specimen(s). H: AMNH Bu-313 (AMNH).

3.164 Genus *Ginormotermes* Engel, Barden & Grimaldi, 2016

Gigantotermes Engel, Barden & Grimaldi, in: Engel et al., 2016a: 524, nomen preoccupatum (nec *Gigantotermes* Haase, 1890). Type species: *Gigantotermes rex* Engel, Barden & Grimaldi, 2016.

Ginormotermes Engel, Barden & Grimaldi, 2016b: 2.

223) *Ginormotermes rex* (Engel et al., 2016)

Gigantotermes rex Engel et al., 2016a: 526.

Ginormotermes rex: Engel, Barden & Grimaldi, 2016b: 2.

Type specimen(s). H: AMNH BU-TJ001 (AMNH).

3.165 Genus *Kachinitermes* Engel et al., 2007

Kachinitermes Engel et al., 2007: 26. Type species: *Hodotermes tristis* Cockerell, 1917.

224) *Kachinitermes tristis* (Cockerell, 1917)

Hodotermes tristis Cockerell, 1917d: 329.

Kachinitermes tristis: Engel et al., 2007: 27.

Type specimen(s). H: NHML In. 19103 (NHML).

3.166 Genus *Krishnatermes* Engel, Barden & Grimaldi, 2016

Krishnatermes Engel, Barden & Grimaldi, 2016a: 523. Type species: *Krishnatermes yoddha* Engel, Barden & Grimaldi, 2016.

225) *Krishnatermes yoddha* Engel, Barden & Grimaldi, 2016

Krishnatermes yoddha Engel, Barden & Grimaldi, 2016a: 523.

Type specimen(s). H: JZC-Bu1839a (AMNH). P (4??): Bu1839b, JZC-Bu183; Bu942a, b(AMNH).

3.167 Genus *Mylacrotermes* Engel et al., 2007

Mylacrotermes Engel et al., 2007: 14. Type species: *Mylacrotermes cordatus* Engel et al., 2007.

226) *Mylacrotermes cordatus* Engel et al., 2007

Mylacrotermes cordatus Engel et al., 2007: 14.

Type specimen(s). H: SEMC KU-Bu-045 (KUC).

3.168 Genus *Tanytermes* Engel et al., 2007

Tanytermes Engel et al., 2007: 20. Type species: *Tanytermes anawrahtai* Engel et al., 2007.

227) *Tanytermes anawrahtai* Engel et al., 2007

Tanytermes anawrahtai Engel et al., 2007: 23.

Type specimen(s). H: AMNH Bu-1608 (AMNH).

Order Orthoptera Olivier, 1789
Suborder Ensifera Chopard, 1920
Superfamily Elcanoidea Handlirsch, 1906
Family Elcanidae Handlirsch, 1906

3.169 Genus *Longioculus* Poinar, Gorochov & Buckley, 2007

Longioculus Poinar Gorochov & Buckley, 2007: 651. Type species: *Longioculus burmensis* Poinar, Gorochov & Buckley, 2007.

228) *Longioculus burmensis* Poinar, Gorochov & Buckley, 2007

Longioculus burmensis Poinar, Gorochov & Buckley, 2007: 651.

Type specimen(s). H (♂): # ab 307 (RBAC).

3.170 Genus *Burmelcana* Peñalver & Grimaldi, 2010

Burmelcana Peñalver & Grimaldi, 2010: 89. Type species: *Burmelcana longirostris* Peñalver & Grimaldi, 2010.

229) *Burmelcana longirostris* Peñalver & Grimaldi, 2010

Burmelcana longirostris Peñalver & Grimaldi, 2010: 90.

Type specimen(s). H: AMNH Bu-1451 nymph (AMNH).

Suborder Ensifera Chopard, 1920
Superfamily Grylloidea Laicharting, 1781
Family Mogoplistidae Brunner-Wattenwyl, 1873
Subfamily Protomogoplistinae Gorochov, 2010

3.171 Genus *Protomogoplistes* Gorochov, 2010

Protomogoplistes Gorochov, 2010: 436. Type species: *Protomogoplistes asquamosus* Gorochov, 2010.

230) *Protomogoplistes asquamosus* Gorochov, 2010

Protomogoplistes asquamosus Gorochov, 2010: 436.

Type specimen(s). H: NHM In. 20188-1 early instar nymph (NHML).

Suborder Caelifera Ander, 1936
Superfamily Tridactyloidea Brulle, 1835
Family Tridactylidae Brullé, 1835
Subfamily Dentridactylinae Günther, 1979

3.172 Genus *Burmadactylus* Heads, 2009

Burmadactylus Heads, 2009: 77. Type species: *Burmadactylus grimaldii* Heads, 2009.

231) *Burmadactylus grimaldii* Heads, 2009

Burmadactylus grimaldii Heads, 2009: 77.

Type specimen(s). H (♂): Bu1452 (AMNH).

Subfamily Mongoloxyninae Gorochov, 1992

3.173 Genus *Birmitoxya* Gorochov, 2010

Birmitoxya Gorochov, 2010: 667. Type species: *Birmitoxya intermedia* Gorochov, 2010.

232) *Birmitoxya intermedia* Gorochov, 2010

Birmitoxya intermedia Gorochov, 2010: 669.

Type specimen(s). H: NHML In. 20188-2 middle or late instar nymph (NHML).

Order Phasmatodea Jacobson & Bianchi, 1902
Suborder Verophasmatodea Zompro, 2004
Superfamily Anareolatae Redtenbacher, 1906
Family Phasmatidae Gray, 1835
Subfamily Echinomiscinae Engel, 2016

3.174 Genus *Echinomiscus* Engel, 2016

Echinomiscus Engel, 2016b: 48. Type species: *Echinomiscus primoticus* Engel & Wang, 2016.

233) *Echinomiscus primoticus* Engel & Wang, 2016

Echinomiscus primoticus Engel & Wang, 2016b: 48.

Type specimen(s). H (♀): NIGP 163536 (NIGP).

Order Dermaptera de Geer, 1773
Suborder Neodermaptera Engel, 2003
Family Diplatyidae Verhoeff, 1902

3.175 Genus *Tythodiplatys* Engel, 2011

Tythodiplatys Engel, 2011: 140. Type species: *Tythodiplatys mecynocercus* Engel, 2011.

234) *Tythodiplatys mecynocercus* Engel, 2011

Tythodiplatys mecynocercus Engel, 2011: 142.

Type specimen(s). H (♀): AMNH Bu-FB75 (AMNH).

Family Pygidicranidae Verhoeff, 1902
Subfamily Astreptolabidinae Engel, 2011

3.176 Genus *Astreptolabis* Engel, 2011

Astreptolabis Engel, 2011: 140. Type species: *Astreptolabis ethirosomatia* Engel, 2011.

235) *Astreptolabis ethirosomatia* Engel, 2011

Astreptolabis ethirosomatia Engel, 2011: 140.

Type specimen(s). H (♀): AMNH Bu-FB20 (AMNH).

Subfamily Burmapygiinae Engel & Grimaldi, 2004

3.177 Genus *Burmapygia* Engel & Grimaldi, 2004

Burmapygia Engel & Grimaldi, 2004: 1019. Type species: *Burmapygia resinata* Engel & Grimaldi, 2004.

236) *Burmapygia resinata* Engel & Grimaldi, 2004

Burmapygia resinata Engel & Grimaldi, 2004: 1019.

Type specimen(s). H (♀): AMNH Bu-274 (AMNH).

Suborder Neodermaptera Engel, 2003
Infraorder Epidermaptera Engel, 2003

Family Labiduridae Verhoeff, 1902

3.178 Genus *Myrrholabia* Engel & Grimaldi, 2004

Myrrholabia Engel & Grimaldi, 2004: 1020. Type species: *Labidura electrina* Cockerell, 1920.

237) *Myrrholabia electrina* (Cocerell, 1920)

Labidura electrina Cocerell, 1920: 212.

Myrrholabia electrina: Engel & Grimaldi, 2004: 1020.

Type specimen(s). H: NHML In. 20146 (NHML).

3.179 Genus *Zigrasolabis* Engel & Grimaldi, 2014

Zigrasolabis Engel & Grimaldi, 2014a: 3. Type species: *Zigrasolabis speciosa* Engel & Grimaldi, 2014.

238) *Zigrasolabis speciosa* Engel & Grimaldi, 2014

Zigrasolabis speciosa Engel & Grimaldi, 2014a: 7.

Type specimen(s). H (♂): JZC-Bu232 (JZC). P (2♀): JZC-Bu232 (JZC).

Family Anisolabididae Verhoeff, 1902

3.180 Genus *Toxolabis* Engel & Grimaldi, 2014

Toxolabis Engel & Grimaldi, 2014a: 9. Type species: *Toxolabis zigrasi* Engel & Grimaldi, 2014.

239) *Toxolabis zigrasi* Engel & Grimaldi, 2014

Toxolabis zigrasi Engel & Grimaldi, 2014a: 10.

Type specimen(s). H (♀): JZC-Bu231 (JZC).

Order Grylloblattodea Walker, 1914

Suborder Grylloblattina Walker, 1914

Family *incertae sedis*

3.181 Genus *Sylvalitoralis* Aristov, Novokshonov & Pan'kov, 2006

Sylvalitoralis Aristov, Novokshonov & Pan'kov, 2006: 86. Type species: *Tshekardites calcomessor* Aristov, 2004.

240) *Sylvalitoralis cheni* Zhang, Bai & Yang, 2016

Sylvalitoralis cheni Zhang, Bai & Yang, 2016c: 328.

Type specimen(s). H (♀): No. BU-001678 (EMTG).

Order Embioptera Lameere, 1900

Family Sorellembiidae Engel & Grimaldi, 2006

3.182 Genus *Sorellembia* Engel & Grimaldi, 2006

Sorellembia Engel & Grimaldi, 2006a: 5. Type species: *Sorellembia estherae* Engel & Grimaldi, 2006.

241) *Sorellembia estherae* Engel & Grimaldi, 2006

Sorellembia estherae Engel & Grimaldi, 2006a: 5.

Type specimen(s). H (♂): AMNH Bu-227 (AMNH).

Suborder Neoembiodea Engel & Grimaldi, 2006

Family Notoligotomidae Davis, 1940
Subfamily Burmitembiinae Engel & Grimaldi, 2006

3.183 Genus *Burmitembia* Cockerell, 1919

Burmitembia Cockerell, 1919b: 194. Type species: *Burmitembia venosa* Cockerell, 1919.

242) *Burmitembia venosa* Cockerell, 1919

Burmitembia venosa Cockerell, 1919b: 195.

Type specimen(s). H: NHML In. 19132 (NHML).

Family Oligotomidae Enderlein, 1909

3.184 Genus *Litoclostes* Engel & Huang, 2016

Litoclostes Engel & Huang, 2016d: 122. Type species: *Litoclostes delicatus* Engel & Huang, 2016.

243) *Litoclostes delicatus* Engel & Huang, 2016

Litoclostes delicatus Engel & Huang, 2016d: 122.

Type specimen(s). H (♂♀): HP-B-4164, NIGP 162535 (NIGP).

Suborder Clothododea Engel & Grimaldi, 2006

Infraorder Clothodomorpha Engel & Huang, 2015

Family Clothodidae Enderlein, 1909

Subfamily Atmetoclothodinae Engel & Huang, 2016

3.185 Genus *Atmetoclothoda* Engel & Huang, 2016

Atmetoclothoda Engel & Huang, 2016g: 120. Type species: *Atmetoclothoda orthotenes* Engel & Huang, 2016.

244) *Atmetoclothoda orthotenes* Engel & Huang, 2016

Atmetoclothoda orthotenes Engel & Huang, 2016g: 121.

Type specimen(s). H (♂): HP-B-6241, NIGP 162534 (NIGP).

Order Zoraptera Silvestri, 1913

Family Zorotypidae Silvestri, 1913

3.186 Genus *Xenozorotypus* Engel & Grimaldi, 2002

Xenozorotypus Engel & Grimaldi, 2002: 12. Type species: *Xenozorotypus burmiticus* Engel & Grimaldi, 2002.

245) *Xenozorotypus burmiticus* Engel & Grimaldi, 2002

Xenozorotypus burmiticus Engel & Grimaldi, 2002: 13.

Type specimen(s). H (♂): Bu 182 (AMNH).

3.187 Genus *Zorotypus* Silvestri, 1913

Zorotypus Silvestri, 1913: 196. Type species: *Zorotypus guineensis* Silvestri, 1913.

Subgenus *Zorotypus (Octozoros)* Engel, 2003

Zorotypus (Octozoros) Engel, 2003b: 148. Type species: *Zorotypus (Octozoros) nascimbenei* Engel & Grimaldi, 2002.

246) *Zorotypus (Octozoros) acanthothorax* Engel & Grimaldi, 2002

Zorotypus acanthothorax Engel & Grimaldi, 2002: 10.

Zorotypus (Octozoros) acanthothorax: Engel, 2003b: 148.

Type specimen(s). H (♂): AMNH Bu-966 (AMNH).

247) *Zorotypus (Octozoros) nascimbenei* Engel & Grimaldi, 2002

Zorotypus nascimbenei Engel & Grimaldi, 2002: 7.

Zorotypus (Octozoros) nascimbenei: Engel, 2003b: 148.

Type specimen(s). H (♀): AMNH Bu-341 (AMNH).

Subgenus *incertae sedis*

248) *Zorotypus cretatus* Engel & Grimaldi, 2002

Zorotypus cretatus Engel & Grimaldi, 2002: 4.

Type specimen(s). H: AMNH Bu-044 (AMNH).

Superorder Pancondylognatha Yoshizawa & Leinhard, 2016

Order *Incertae sedis*

Family Archipsyllidae Handlirsch, 1906

3.188 Genus *Burmopsylla* Liang, Zhang & Liu, 2016

Burmopsylla Liang, Zhang & Liu, 2016: 484. Type species: *Burmopsylla maculata* Liang, Zhang & Liu, 2016.

249) *Burmopsylla maculata* Liang, Zhang & Liu, 2016

Burmopsylla maculata Liang, Zhang & Liu, 2016: 485.

Type specimen(s). H (♂): EMTG BU-001053 (EMTG). P (♀): EMTG BU-001056, EMTG BU-001087 (EMTG).

3.189 Genus *Mydiognathus* Yoshizawa & Leinhard, 2016

Mydiognathus Yoshizawa & Leinhard, 2016: 231. Type species: *Mydiognathus eviohloffae* Yoshizawa & Leinhard, 2016.

250) *Mydiognathus eviohloffae* Yoshizawa & Leinhard, 2016

Mydiognathus eviohloffae Yoshizawa & Leinhard, 2016: 231.

Type specimen(s). H (♂): SMNS Bu-174 (SMNS).

3.190 Genus *Psocorrhyncha* Huang *et al.*, 2016

Psocorrhyncha Huang *et al.*, 2016: 3. Type species: *Psocorrhyncha burmitica* Huang *et al.*, 2016.

251) *Psocorrhyncha burmitica* Huang *et al.*, 2016

Psocorrhyncha burmitica Huang *et al.*, 2016: 3.

Type specimen(s). H (♂): NIGP161473 (NIGP); allotype (2♀): SMNS Bu-157, SMNS Bu-135 (SMNS). P (♂): NIGP161474 (♂) (NGIP).

Order Psocodea Shipley, 1904

Suborder Trogiomorpha Roesler, 1944

Family Archaeatropidae Baz & Ortuño, 2000

3.191 Genus *Archaeatropos* Baz & Ortuño, 2000

Archaeatropos Baz & Ortuño, 2000: 639. Type species: *Archaeatropos alavensis* Baz & Ortuño, 2000.

252) *Archaeatropos perantiqua* (Cockerell, 1919)

Psylloneura perantiqua Cockerell, 1919a: 241.

Archaeatropos perantiqua: Mockford, Lienhard & Yoshizawa, 2013: 5.

Type specimen(s). H: NHML In.19136 (NHML).

Suborder Troctomorpha Roesler, 1944

Family Compsocidae Mockford, 1967

3.192 Genus *Burmacopsocus* Nel & Waller, 2007

Burmacopsocus Nel & Waller, 2007: 1039. Type species: *Burmacopsocus perreaui* Nel & Waller, 2007.

253) *Burmacopsocus banksi* (Cockerell, 1916)

Psyllipsocus (?) *banksi* Cockerell, 1916: 136.

Burmacopsocus banksi: Mockford, Lienhard & Yoshizawa, 2013: 13.

Type specimen(s). H: NHML In.19097 (NHML).

254) *Burmacopsocus perreaui* Nel & Waller, 2007

Burmacopsocus perreaui Nel & Waller, 2007: 1039.

Type specimen(s). H: specimen Burm1 (MPC). P (?): specimen Burm2 (MPC).

3.193 Genus *Paraelectrentomopsis* Azar, Hakim & Huang, 2016

Paraelectrentomopsis Azar, Hakim & Huang, 2016: 29. Type species: *Paraelectrentomopsis chenyangcai* Azar, Hakim & Huang, 2016.

255) *Paraelectrentomopsis chenyangcai* Azar, Hakim & Huang, 2016

Paraelectrentomopsis chenyangcai Azar, Hakim & Huang, 2016: 30.

Type specimen(s). H (♀): NIGP 164488 (NIGP).

Family Liposcelidae Enderlein, 1911

3.194 Genus *Cretoscelis* Grimaldi & Engel, 2005

Cretoscelis Grimaldi & Engel, 2005: 626. Type species: *Cretoscelis burmitica* Grimaldi & Engel, 2005.

256) *Cretoscelis burmitica* Grimaldi & Engel, 2005

Cretoscelis burmitica Grimaldi & Engel, 2005: 626.

Type specimen(s). H (♀): AMNH Bu912 (AMNH).

Family Pachytroctidae Enderlein, 1911

Subfamily Tapinellinae Enderlein, 1908

3.195 Genus *Burmipachytrocta* Azar, Huang, Cai & Nel, 2015

Burmipachytrocta Azar, Huang, Cai & Nel, 2015: 340. Type species: *Burmipachytrocta singularis* Azar, Huang, Cai & Nel, 2015.

257) *Burmipachytrocta singularis* Azar, Huang, Cai & Nel, 2015

Burmipachytrocta singularis Azar, Huang, Cai & Nel, 2015: 340.

Type specimen(s). H (♀): NIGP159660 (NIGP).

3.196 Genus *Atapinella* Azar, Huang, Cai & Nel, 2015

Atapinella Azar, Huang, Cai & Nel, 2015: 343. Type species: *Atapinella garroustei* Azar, Huang, Cai & Nel, 2015.

258) *Atapinella garroustei* Azar, Huang, Cai & Nel, 2015

Atapinella garroustei Azar, Huang, Cai & Nel, 2015: 343.

Type specimen(s). H (♀): NIGP159661 (NIGP).

Order Thysanoptera Haliday, 1836

Suborder Lophioneurina Tillyard, 1921

Family Lophioneuridae Tillyard, 1921

Subfamily Lophioneurinae Tillyard, 1921

3.197 Genus *Burmacypha* Zherikhin, 2000

Burmacypha Zherikhin, 2000: 39. Type species: *Burmacypha longicornis* Zherikhin, 2000.

259) *Burmacypha longicornis* Zherikhin, 2000

Burmacypha longicornis Zherikhin, 2000: 39.

Type specimen(s). H (?♂): In.20194. I (NHML).

Order Hemiptera Linnaeus, 1758

Family Kozariidae Ve & Grimaldi, 2015

3.198 Genus *Kozarius* Ve & Grimaldi, 2015

Kozarius Ve & Grimaldi, 2015: 20. Type species: *Kozarius achronus* Ve & Grimaldi, 2015.

260) *Kozarius achronus* Ve & Grimaldi, 2015

Kozarius achronus Ve & Grimaldi, 2015: 22.

Type specimen(s). H (♂): AMNH Bu-233a (AMNH).

261) *Kozarius perpetuus* Ve & Grimaldi, 2015

Kozarius perpetuus Ve & Grimaldi, 2015: 20.

Type specimen(s). H (♂): AMNH Bu-1163 (AMNH).

Family Weitschatiidae Koteja, 2008

3.199 Genus *Pseudoweitschatus* Ve & Grimaldi, 2015

Pseudoweitschatus Ve & Grimaldi, 2015: 16. Type species: *Pseudoweitschatus audebertis* Ve & Grimaldi, 2015.

262) *Pseudoweitschatus audebertis* Ve & Grimaldi, 2015

Pseudoweitschatus audebertis Ve & Grimaldi, 2015: 16.

Type specimen(s). H (♂): AMNH Bu-1416 (AMNH).

Suborder Cicadomorpha Evans, 1946

Superfamily Cicadoidea Latreille, 1802

Family Cicadidae Latreille, 1802

3.200 Genus *Niryasaburnia* Szwed, 2004

Niryasaburnia Szwed, 2004: 105. Type specie: *Liburnia burmitina* Cockerell, 1917.

263) *Niryasaburnia burmitina* (Cockerell, 1917)

Liburnia burmitina Cockerell, 1917d: 329.

Niryasaburnia burmitina: Szwed, 2004: 105.

Type specimen(s). H (♀): In. 19105 (NHML).

?Family Cixiidae Spinola, 1839

3.201 Genus *Plecophlebus* Cockerell, 1917

Plecophlebus Cockerell, 1917d: 327. Type species: *Plecophlebus nebulosus* Cockerell, 1917.

264) *Plecophlebus nebulosus* Cockerell, 1917

Plecophlebus nebulosus Cockerell, 1917d: 327.

Type specimen(s). H: NHML In.19094 (NHML).

Family Perforissidae Shcherbakov, 2007

Subfamily Cixitettiginae Shcherbakov, 2007

3.202 Genus *Foveopsis* Shcherbakov, 2007

Foveopsis Shcherbakov, 2007: 146. Type species: *Foveopsis fennahi* Shcherbakov, 2007.

265) *Foveopsis fennahi* Shcherbakov, 2007

Foveopsis fennahi Shcherbakov, 2007: 147.

Type specimen(s). H (♀): NHM In. 20172 (NHML).

Suborder Sternorrhyncha Amyot & Serville, 1834

Family Protopsyllidiidae Carpenter, 1931

3.203 Genus *Postopsyllidium* Grimaldi, 2003

Postopsyllidium Grimaldi, 2003: 330. Type species: *Postopsyllidium emilyae* Grimaldi, 2003.

266) *Postopsyllidium rebecca* Grimaldi, 2003

Postopsyllidium rebecca Grimaldi, 2003: 333.

Type specimen(s). H (♂): AMNH Bu137 (AMNH).

Superfamily Aphidoidea Snashnikov 1964

Family Burmitaphidae Poinar & Brown, 2005

3.204 Genus *Burmitaphis* Poinar & Brown, 2005

Burmitaphis Poinar & Brown, 2005: 839. Type species: *Burmitaphis prolatum* Poinar & Brown, 2005.

267) *Burmitaphis prolatum* Poinar & Brown, 2005

Burmitaphis prolatum Poinar & Brown, 2005: 839.

Type specimen(s). H (♂): B-He-14A (PACO). P (2♂): B-He-14B, B-He-14C (PACO).

3.205 Genus *Caulinus* Poinar & Brown, 2005

Caulinus Poinar & Brown, 2005: 841. Type species: *Caulinus burmitis* Poinar & Brown, 2005.

268) *Caulinus burmitis* Poinar & Brown, 2005

Caulinus burmitis Poinar & Brown, 2005: 841.

Type specimen(s). H (♀): B-He-15 (PACO).

Superfamily Aleyrodoidea Westwood, 1840
Family Aleyrodidae Westwood, 1840

3.206 Genus *Aleurodicus* Douglas, 1892

Aleurodicus Douglas, in: Albert & Morgan, 1892: 32. Type species: *Aleurodicus cocois* Curtis, 1846.

269) *Aleurodicus burmiticus* Cockerell, 1919

Aleurodicus burmiticus Cockerell, 1919a: 241.

Type specimen(s). H: NHML In. 19134 (NHML).

Subfamily Bernaeinae Shcherbakov, 2000

3.207 Genus *Burmoselis* Shcherbakov, 2000

Burmoselis Shcherbakov, 2000: 33. Type species: *Burmoselis evelynae* Shcherbakov, 2000.

270) *Burmoselis evelynae* Shcherbakov, 2000

Burmoselis evelynae Shcherbakov, 2000: 34.

Type specimen(s). H (♀): In.20193 (NHML).

Superfamily Coccoidea Fallen, 1814
Family *incertae sedis*

3.208 Genus *Alacrena* Vea & Grimaldi, 2015

Alacrena Vea & Grimaldi, 2015: 43. Type species: *Pedicellicoccus marginatus* Vea & Grimaldi, 2015.

271) *Alacrena peculiaris* Vea & Grimaldi, 2015

Alacrena peculiaris Vea & Grimaldi, 2015: 43.

Type specimen(s). H (♂): AMNH Bu-1516 (AMNH).

3.209 Genus *Magnilens* Vea & Grimaldi, 2015

Magnilens Vea & Grimaldi, 2015: 45. Type species: *Kozarius achronus* Vea & Grimaldi, 2015.

272) *Magnilens glaesaria* Vea & Grimaldi, 2015

Magnilens glaesaria Vea & Grimaldi, 2015: 45.

Type specimen(s). H (♂): AMNH Bu-1418 (AMNH).

3.210 Genus *Marmyan* Koteja, 2004

Marmyan Koteja, 2004: 112. Type species: *Marmyan barbarae* Koteja, 2004.

273) *Marmyan barbarae* Koteja, 2004

Marmyan barbarae Koteja, 2004: 111.

Type specimen(s). H (♂): NHML In. 20160(1) (NHML).

3.211 Genus *Pedicellicoccus* Vea & Grimaldi, 2015

Pedicellicoccus Vea & Grimaldi, 2015: 46. Type species: *Pedicellicoccus marginatus* Vea & Grimaldi, 2015.

274) *Pedicellicoccus marginatus* Vea & Grimaldi, 2015

Pedicellicoccus marginatus Vea & Grimaldi, 2015: 47.

Type specimen(s). H (♂): AMNH Bu-458 (AMNH).

3.212 Genus *Xiphos* Vea & Grimaldi, 2015

Xiphos Vea & Grimaldi, 2015: 39. Type species: *Xiphos vani* Vea & Grimaldi, 2015.

275) *Xiphos vani* Vea & Grimaldi, 2015

Xiphos vani Vea & Grimaldi, 2015: 40.

Type specimen(s). H (♂): 1215 (PMNH).

Family Coccidae Fallen, 1814

3.213 Genus *Rosahendersonia* Vea & Grimaldi, 2015

Rosahendersonia Vea & Grimaldi, 2015: 55. Type species: *Rosahendersonia prisca* Vea & Grimaldi, 2015.

276) *Rosahendersonia prisca* Vea & Grimaldi, 2015

Rosahendersonia prisca Vea & Grimaldi, 2015: 56.

Type specimen(s). H (♂): AMNH Bu-835 (AMNH).

Family Pseudococcidae Heymons, 1915

3.214 Genus *Gilderius* Vea & Grimaldi, 2015

Gilderius Vea & Grimaldi, 2015: 53. Type species: *Gilderius eukrinops* Vea & Grimaldi, 2015.

277) *Gilderius eukrinops* Vea & Grimaldi, 2015

Gilderius eukrinops Vea & Grimaldi, 2015: 54.

Type specimen(s). H (♂): AMNH Bu-1594 (AMNH).

Superfamily Orthezioidea Amyot & Serville, 1843

Family Burmacoccidae Koteja, 2004

3.215 Genus *Burmacoccus* Koteja, 2004

Burmacoccus Koteja, 2004: 110. Type species: *Burmacoccus danyi* Koteja, 2004.

278) *Burmacoccus danyi* Koteja, 2004

Burmacoccus danyi Koteja, 2004: 110.

Type specimen(s). H (♂): NHML In. 20708 (NHML).

Family Albicoccidae Koteja, 2004

3.216 Genus *Albicoccus* Koteja, 2004

Albicoccus Koteja, 2004: 111. Type species: *Albicoccus dimai* Koteja, 2004.

279) *Albicoccus dimai* Koteja, 2004

Albicoccus dimai Koteja, 2004: 111.

Type specimen(s). H (♂): NHML In. 20155(2) (NHML).

Family Ortheziidae Amyot & Serville, 1843

3.217 Genus *Burmorthezia* Vea & Grimaldi, 2012

Burmorthezia Vea & Grimaldi, 2012: 763. Type species: *Burmorthezia kotejai* Vea & Grimaldi, 2012.

280) *Burmorthezia kotejai* Vea & Grimaldi, 2012

Burmorthezia kotejai Vea & Grimaldi, 2012: 763.

Type specimen(s). H (♀): Complete second-instar nymph, AMNH Bu-1094 (AMNH). P (?): Partial specimen (probably also secondinstar nymph) in same piece (AMNH).

281) *Burmorthezia insolita* Vea & Grimaldi, 2012

Burmorthezia insolita Vea & Grimaldi, 2012: 764.

Type specimen(s). H (♀): Complete second-instar nymph, amber piece number, AMNH Bu-1095 (AMNH).

3.218 Genus *Wathondara* Simon, Szwedo & Xia, 2015

Wathondara Simon, Szwedo & Xia, 2015: 1. Type species: *Wathondara kotejai* Simon, Szwedo & Xia, 2015.

282) *Wathondara kotejai* Simon, Szwedo & Xia, 2015

Wathondara kotejai Simon, Szwedo & Xia, 2015: 1.

Type specimen(s). H (♀): BA14011 (LAMS).

Suborder Heteroptera Latreille, 1810

Infraorder Cimicomorpha Leston, Pendergrast & Southwood, 1954

Superfamily Cimicoidea Latreille, 1802

Family Cimicidae Latreille, 1802

3.219 Genus *Quasicimex* Engel, 2008

Quasicimex Engel, 2008a: 233. Type species: *Quasicimex eilapinastes* Engel, 2008.

283) *Quasicimex eilapinastes* Engel, 2008

Quasicimex eilapinastes Engel, 2008a: 234.

Type specimen(s). H (♂): Bu-728 (AMNH).

Superfamily Tingoidea Laporte, 1832

Family Tingidae Laporte, 1832

Subfamily Tingiometrinae Heiss, Golub & Popov, 2015

3.220 Genus *Tingiometra* Heiss, Golub & Popov, 2015

Tingiometra Heiss, Golub & Popov, 2015: 2. Type species: *Tingiometra burmanica* Heiss, Golub & Popov, 2015.

284) *Tingiometra burmanica* Heiss, Golub & Popov, 2015

Tingiometra burmanica Heiss, Golub & Popov, 2015: 3.

Type specimen(s). Unknown.

Subfamily Tinginae Laporte, 1832

Tribe Phatnomatini Drake & Davis, 1960

3.221 Genus *Spinitingis* Heiss & Guilbert, 2013

Spinitingis Heiss & Guilbert, 2013: 380. Type species: *Spinitingis ellenbergeri* Heiss & Guilbert, 2013.

285) *Spinitingis ellenbergeri* Heiss & Guilbert, 2013

Spinitingis ellenbergeri Heiss & Guilbert, 2013: 380.

Type specimen(s). H (♂): BUB-Ting-1 (CEHI).

Subfamily status tentatively between Vianaidinae and Tinginae+Cantacaderinae

3.222 Genus *Burmacader* Heiss & Guilbert, 2013

Burmacader Heiss & Guilbert, 2013: 381. Type species: *Burmacader multivenosus* Heiss & Guilbert, 2013.

286) *Burmacader multivenosus* Heiss & Guilbert, 2013

Burmacader multivenosus Heiss & Guilbert, 2013: 383.

Type specimen(s). H (♀): BUB-Ting-2 (CEHI).

**Infraorder Dipsocoromorpha Miyamoto, 1961
Family Schizopteridae Reuter, 1891**

3.223 Genus *Lumatibialis* Poinar, 2015

Lumatibialis Poinar, 2015: 376. Type species: *Lumatibialis burmitis* Poinar, 2015.

287) *Lumatibialis burmitis* Poinar, 2015

Lumatibialis burmitis Poinar, 2015: 376.

Type specimen(s). H (♂): # B-He-24A (PACO)

3.224 Genus *Hexaphlebia* Poinar, 2015

Hexaphlebia Poinar, 2015: 376. Type species: *Hexaphlebia burmanica* Poinar, 2015.

288) *Hexaphlebia burmanica* Poinar, 2015

Hexaphlebia burmanica Poinar, 2015: 377.

Type specimen(s). H (♂): # B-He-24B (PACO).

Subfamily Hypselosomatinae Esaki & Miyamoto, 1959

3.225 Genus *Tanaia* Perrichot *et al.*, 2007

Tanaia Perrichot *et al.*, 2007: 1371. Type species: *Tanaia burmitica* Perrichot *et al.*, 2007.

289) *Tanaia burmitica* Perrichot *et al.*, 2007

Tanaia burmitica Perrichot *et al.*, 2007: 1371.

Type specimen(s). H (♂): AMNH Bu-720 (AMNH). P (?♀): AMNH Bu-965 (AMNH).

**Infraorder Enicocephalomorpha Stichel, 1955
Superfamily Enicocephaloidea Stal, 1860
Family Enicocephalidae Stal, 1860**

3.226 Genus *Paenicotechys* Stys, 1969

Paenicotechys Stys, 1969: 353. Type species: *Paenicotechys fossilis* (Cockerell, 1916).

290) *Paenicotechys fossilis* (Cockerell, 1916)

Enicocephalus fossilis Cockerell, 1916: 135.

Henicocephalus fossilis: Jeanel, 1942: 294.

Paenicotechys fossilis: Stys, 1969: 353.

Type specimen(s). H (♂): No. 19095 (NHML).

Subfamily Disphaerocephalinae Stys, 1969

3.227 Genus *Disphaerocephalus* Cockerell, 1917

Disphaerocephalus Cockerell, 1917a: 361. Type species: *Disphaerocephalus constrictus* Cockerell, 1917.

291) *Disphaerocephalus constrictus* Cockerell, 1917

Disphaerocephalus constrictus Cockerell, 1917a: 361.

Type specimen(s). H: No. 19112, nymph (probably penultimate instar) (NHML).

292) *Disphaerocephalus swinhoei* (Cockerell, 1917)

Enicocephalus swinhoei Cockerell, 1917a: 364.

Henicocephalus fossil: Jeanel, 1942: 293.

Disphaerocephalus swinhoei: Stys, 1969: 358.

Type specimen(s). H (?♂): No. 19113 (NHML).

293) *Disphaerocephalus macropterus* Cockerell, 1917

Disphaerocephalus macropterus Cockerell, 1917a: 364.

Type specimen(s). H: NHML In.19123(1) (NHML).

Infraorder Gerromorpha Popov, 1971

Superfamily Hydrometroidea Andersen, 1982

Family Hydrometridae Billberg, 1820

Subfamily Heterocleptinae Villiers, 1948

3.228 Genus *Carinametra* Andersen & Grimaldi, 2001

Carinametra Andersen & Grimaldi, 2001: 382. Type species: *Carinametra burmensis* Andersen & Grimaldi, 2001.

294) *Carinametra burmensis* Andersen & Grimaldi, 2001

Carinametra burmensis Andersen & Grimaldi, 2001: 387.

Type specimen(s). H (♀): AMNH Bu-1098 (AMNH).

Subfamily Hydrometrinae Billberg, 1820

3.229 Genus *Burmametra* Huang, Garrouste, Azar, Engel & Nel, 2015

Burmametra Huang, Garrouste, Azar, Engel & Nel, 2015c: 119. Type species: *Burmametra macrocarinata* Huang, Garrouste, Azar, Engel & Nel, 2015.

295) *Burmametra macrocarinata* Huang, Garrouste, Azar, Engel & Nel, 2015

Burmametra macrocarinata Huang, Garrouste, Azar, Engel & Nel, 2015c: 119.

Type specimen(s). H: NIGP160800 (NIGP).

Infraorder Leptopodomorpha Popov, 1971

Family Leptopodidae Brullé, 1836

Subfamily Leptosaldinae Cobben, 1971

3.230 Genus *Grimaldina* Popov & Heiss, 2014

Grimaldina Popov & Heiss, 2014: 445. Type species: *Grimaldina pronotalis* Popov & Heiss, 2014.

296) *Grimaldina pronotalis* Popov & Heiss, 2014*Grimaldina pronotalis* Popov & Heiss, 2014: 449.

Type specimen(s). H: BUB-LEP-1 (CEHI).

3.231 Genus *Leptosaldinea* Popov & Heiss, 2016*Leptosaldinea* Popov & Heiss, 2016: 234. Type species: *Leptosaldinea cobbeni* Popov & Heiss, 2016.**297) *Leptosaldinea cobbeni* Popov & Heiss, 2016***Leptosaldinea cobbeni* Popov & Heiss, 2016: 237.

Type specimen(s). H (♂): Specimen number not assigned (CEHI).

Family Palaeoleptidae Poinar, 2009**3.232 Genus *Palaeoleptus* Poinar, 2009***Palaeoleptus* Poinar, 2009: 1001. Type species: *Palaeoleptus burmanicus* Poinar, 2009.**298) *Palaeoleptus burmanicus* Poinar, 2009***Palaeoleptus burmanicus* Poinar, 2009: 1001.

Type specimen(s). H (♀): E5 (RBAC).

Infraorder Nepomorpha Popov, 1971**Superfamily Ochteroidea Kirkaldy, 1906****Family Gelastocoridae Kirkaldy, 1897****Subfamily Nerthrinae Kirkaldy, 1906****3.233 Genus *Nerthra* Say, 1832***Nerthra* Say, 1832: 37. Type species: *Nerthra stygica* Say, 1832.**299) *Nerthra bichelata* Poinar & Brown, 2016***Nerthra bichelata* Poinar & Brown, 2016: 40.

Type specimen(s). H (♀): # B-He-25 (PACO).

Subfamily Gelastocorinae Kirkaldy, 1897**3.234 Genus *Gelastocoris* Kirkaldy, 1897***Galgulus* Latreille, 1802: 253. Type species: *Naucoris oculata* Fabricius, 1958.*Gelastocoris* Kirkaldy, 1897: 258. Type species: *Naucoris oculata* Fabricius, 1958.*Montandonius* Melin, 1929: 154. Type species: *Montandonius angulatus* Melin, 1929.**300) *Gelastocoris curiosus* Poinar & Brown, 2016***Gelastocoris curiosus* Poinar & Brown, 2016: 40.

Type specimen(s). H (♀): # B-He-26 (PACO).

Infraorder Pentatomomorpha Leston *et al.*, 1954**Superfamily Aradoidea Spinola, 1837****Family Aradidae Brulle, 1836****Subfamily Mezirinae Oshanin, 1908****3.235 Genus *Myanmezira* Heiss & Poinar, 2012**

Myanmezira Heiss & Poinar, 2012: 308. Type species: *Myanmezira longicornis* Heiss & Poinar, 2012.

301) *Myanmezira longicornis* Heiss & Poinar, 2012

Myanmezira longicornis Heiss & Poinar, 2012: 310.

Type specimen(s). H (♂): Specimen number not assigned (PACO).

Subfamily Arcearadinae Heiss & Grimaldi, 2002

3.236 Genus *Arcearadus* Heiss & Grimaldi, 2001

Arcearadus Heiss & Grimaldi, 2001: 99. Type species: *Arcearadus burmensis* Heiss & Grimaldi, 2001.

302) *Arcearadus burmensis* Heiss & Grimaldi, 2001

Arcearadus burmensis Heiss & Grimaldi, 2001: 100.

Type specimen(s). H (?♀): AMNH Bu1336 (AMNH).

303) *Arcearadus elongatus* Heiss, 2016

Arcearadus elongatus Heiss, 2016: 427.

Type specimen(s). H (♀): Specimen number not assigned (CEHI).

3.237 Genus *Microaradus* Heiss & Poinar, 2012

Microaradus Heiss & Poinar, 2012: 311. Type species: *Microaradus anticus* Heiss & Poinar, 2012.

304) *Microaradus anticus* Heiss & Poinar, 2012

Microaradus anticus Heiss & Poinar, 2012: 313.

Type specimen(s). H (♂): Specimen number not assigned (CEHI). P (3♀): PT1 (PACO), PT2 (CEHI), PT3 (PACO).

Family Aradidae Brullé 1836

3.238 Genus *Aradoleptus* Heiss, 2016

Aradoleptus Heiss, 2016: 425. Type species: *Aradoleptus birmanus* Heiss, 2016.

305) *Aradoleptus birmanus* Heiss, 2016

Aradoleptus birmanus Heiss, 2016: 426.

Type specimen(s). H (♂): Specimen number not assigned (CEHI).

3.239 Genus *Calisiomorpha* Heiss, 2016

Calisiomorpha Heiss, 2016: 420. Type species: *Calisiomorpha yuripopovi* Heiss, 2016.

306) *Calisiomorpha yuripopovi* Heiss, 2016

Calisiomorpha yuripopovi Heiss, 2016: 421.

Type specimen(s). H (♂): Specimen number not assigned (CEHI).

3.240 Genus *Cretopiesma* Grimaldi & Engle, 2008

Cretopiesma Grimaldi & Engle, 2008: 3. Type species: *Cretopiesma suukyiae* Grimaldi & Engle, 2008.

307) *Cretopiesma suukyiae* Grimaldi & Engle, 2008

Cretopiesma suukyiae Grimaldi & Engle, 2008: 3.

Type specimen(s). H (♀): AMNH Bu-958 (AMNH).

3.241 Genus *Ellenbergeria* Heiss, 2016

Ellenbergeria Heiss, 2016: 423. Type species: *Ellenbergeria oviventris* Heiss, 2016.

308) *Ellenbergeria oviventris* Heiss, 2016

Ellenbergeria oviventris Heiss, 2016: 425.

Type specimen(s). H (♂): Specimen number not assigned (CEHI).

3.242 Genus *Kachinocoris* Heiss, 2012

Kachinocoris Heiss, 2012: 64. Type species: *Kachinocoris brevipennis* Heiss, 2012.

309) *Kachinocoris brevipennis* Heiss, 2012

Kachinocoris brevipennis Heiss, 2012: 65.

Type specimen(s). Unknown.

Family Parvaverrucosidae Poinar & Brown, 2006

3.243 Genus *Parvaverrucosa* Poinar & Brown, 2006

Parvaverrucosa Poinar & Brown, 2006a: 734. Type species: *Parvaverrucosa annulata* (Poinar & Brown, 2005).

310) *Parvaverrucosa annulata* (Poinar & Brown, 2005)

Verrucosa annulata Poinar & Brown, 2005: 836.

Parvaverrucosa annulata: Poinar & Brown, 2006a: 734.

Type specimen(s). H (♂): B-He-13 (PACO). P (♂): B-He-13B (PACO).

Order Raphidioptera Handlirsch, 1908

Family Mesoraphidiidae Martynov, 1925

Subfamily Mesoraphidiinae Martynov, 1925

Tribe Nanoraphidiini Bechly & Wolf-Schwenninger, 2011

3.244 Genus *Burmorphidia* Liu, Liu & Zhang, 2016

Burmorphidia Liu, Liu & Zhang, 2016d: 311. Type species: *Burmorphidia reni* Liu, Liu & Zhang, 2016.

311) *Burmorphidia reni* Liu, Liu & Zhang, 2016

Burmorphidia reni Liu, Liu & Zhang, 2016d: 312.

Type specimen(s). H (♀): EMTG BA-001272 (EMTG).

3.245 Genus *Dolichoraphidia* Liu, Liu & Zhang, 2016

Dolichoraphidia Liu, Liu & Zhang, 2016d: 302. Type species: *Dolichoraphidia aspoecki* Liu, Liu & Zhang, 2016.

312) *Dolichoraphidia aspoecki* Liu, Liu & Zhang, 2016

Dolichoraphidia aspoecki Liu, Liu & Zhang, 2016d: 303.

Type specimen(s). H (♀): EMTG BA-001002 (EMTG).

313) *Dolichoraphidia engel* Liu, Liu & Zhang, 2016

Dolichoraphidia engel Liu, Liu & Zhang, 2016d: 306.

Type specimen(s). H (♀): EMTG BA-001300 (EMTG).

3.246 Genus *Nanoraphidia* Engel, 2002

Nanoraphidia Engel, 2002: 3. Type species: *Nanoraphidia electroburmica* Engel, 2002.

314) *Nanoraphidia electroburmica* Engel, 2002

Nanoraphidia electroburmica Engel, 2002: 4.

Type specimen(s). H: AMNH Bu-092 (AMNH).

3.247 Genus *Rhynchoraphidia* Liu, Liu & Zhang, 2016

Rhynchoraphidia Liu, Liu & Zhang, 2016: 308. Type species: *Rhynchoraphidia burmana* Liu, Liu & Zhang, 2016.

315) *Rhynchoraphidia burmana* Liu, Liu & Zhang, 2016

Rhynchoraphidia burmana Liu, Liu & Zhang, 2016: 309.

Type specimen(s). H (♀): EMTG BA-002256 (EMTG).

Order Neuroptera Linnaeus, 1758

Family Corydasialidae Wichard *et al.*, 2005

3.248 Genus *Megalopteroneura* Liu, Lu & Zhang, 2016

Megalopteroneura Liu, Lu & Zhang, 2016e: 3. Type species: *Megalopteroneura chenxingi* Liu, Lu & Zhang, 2016.

316) *Megalopteroneura chenxingi* Liu, Lu & Zhang, 2016

Megalopteroneura chenxingi Liu, Lu & Zhang, 2016e: 4.

Type specimen(s). H (♀): EMTG BU-001023 (EMTG).

Family Dipteromantispidae Makarkin, Yang & Ren, 2013

3.249 Genus *Halteriomantispa* Liu, Lu & Zhang, 2016

Halteriomantispa Liu, Lu & Zhang, 2016c: 166. Type species: *Halteriomantispa grimaldii* Liu, Lu & Zhang, 2016.

317) *Halteriomantispa grimaldii* Liu, Lu & Zhang, 2016

Halteriomantispa grimaldii Liu, Lu & Zhang, 2016c: 167.

Type specimen(s). H (♀): EMTG BU-001924 (EMTG).

Family Corydasialidae Wichard *et al.*, 2005

3.250 Genus *Megalopteroneura* Liu, Lu & Zhang, 2016

Megalopteroneura Liu, Lu & Zhang, 2016b: 3. Type species: *Megalopteroneura chenxingi* Liu, Lu & Zhang, 2016.

318) *Megalopteroneura chenxingi* Liu, Lu & Zhang, 2016

Megalopteroneura chenxingi Liu, Lu & Zhang, 2016b: 4.

Type specimen(s). H (♂): EMTG BU-001023 (EMTG).

Suborder Hemerobiiformia Henry, 1982

Family Dilaridae Newman, 1853

Subfamily Dilarinae Newman, 1853

3.251 Genus *Cretodilar* Liu & Zhang, 2016

Cretodilar Liu & Zhang, 2016a: 13. Type species: *Cretodilar burmanus* Liu & Zhang, 2016.

319) *Cretodilar burmanus* Liu & Zhang, 2016*Cretodilar burmanus* Liu & Zhang, 2016a: 14.

Type specimen(s). H (♂): EMTG BU-001752 (EMTG).

Suborder Hemerobiiformia Henry, 1982**Superfamily Osmyloidea Leach, 1815****Family Osmylidae Linnaeus, 1758****Subfamily Gumillinae Navas, 1912****3.252 Genus *Burmaleon* Myskowiak, Huang, Azar, Cai, Garrouste & Nel, 2016***Burmaleon* Myskowiak, Huang, Azar, Cai, Garrouste & Nel, 2016: 218. Type species: *Burmaleon magnificus* Myskowiak, Huang, Azar, Cai, Garrouste & Nel, 2016.**320) *Burmaleon magnificus* Myskowiak, Huang, Azar, Cai, Garrouste & Nel, 2016***Burmaleon magnificus* Myskowiak, Huang, Azar, Cai, Garrouste & Nel, 2016: 219.

Type specimen(s). H: HUANG-BP-B-4220 (NIGP). P (?): HUANG-NIGP163028 (NIGP).

Superfamily Chrysopoidea Schneider, 1851**Family Mesochrysopidae Handlirsch, 1906****3.253 Genus *Pedanoptera* Liu *et al.*, 2016***Pedanoptera* Liu *et al.*, 2016: 1. Type species: *Pedanoptera arachnophila* Liu *et al.*, 2016.**321) *Pedanoptera arachnophila* Liu *et al.*, 2016***Pedanoptera arachnophila* Liu *et al.*, 2016: 1.

Type specimen(s). H (♀): EMTG BU-001049 (EMTG).

Superfamily Coniopterygoidea Burmeister, 1839**Family Coniopterygidae Burmeister, 1839****Subfamily Aleuropteryginae Enderlein, 1905****Tribe Fontenelleini Carpentier & Lestage, 1928****3.254 Genus *Achlyoconis* Engel, 2016***Achlyoconis* Engel, 2016b: 4. Type species: *Achlyoconis heptatrachia* Engel, 2016.**322) *Achlyoconis heptatrachia* Engel, 2016***Achlyoconis heptatrachia* Engel, 2016b: 4.

Type specimen(s). H (♂): AMNH JZC-Bu50 (JZC).

3.255 Genus *Glaesoconis* Meinander, 1975*Glaesoconis* Meinander, 1975: 54. Type species: *Glaesoconis cretica* Meinander, 1975.**323) *Glaesoconis baliopteryx* Engel, 2004***Glaesoconis baliopteryx* Engel, 2004a: 135.

Type specimen(s). H (♂): AMNH Bu-1560 (AMNH). P (♂): AMNH Bu-198 (AMNH).

Subfamily Coniopteryginae Burmeister, 1839**Tribe Coniopterygini Burmeister, 1839**

3.256 Genus *Paranimboa* Engel, 2016

Paranimboa Engel, 2016b: 6. Type species: *Paranimboa litotes* Engel, 2016.

324) *Paranimboa litotes* Engel, 2016

Paranimboa litotes Engel, 2016b: 7.

Type specimen(s). H (♀): AMNH JZC-Bu275 (JZC).

Tribe Phthanoconini Engel, 2004

3.257 Genus *Phthanoconis* Engel, 2004

Phthanoconis Engel, 2004a: 135. Type species: *Phthanoconis burmitica* Engel, 2004.

325) *Phthanoconis burmitica* Engel, 2004

Phthanoconis burmitica Engel, 2004a: 135.

Type specimen(s). H (♀): AMNH Bu-1291 (AMNH).

Superfamily Mantispoidea Leach, 1815

Family Mantispidae Leach, 1815

Subfamily Drepanicinae Enderlein, 1910

3.258 Genus *Doratomantispa* Poinar, 2010

Doratomantispa Poinar, 2010: 170. Type species: *Doratomantispa burmanica* Poinar, 2010.

326) *Doratomantispa burmanica* Poinar, 2010

Doratomantispa burmanica Poinar, 2010: 170.

Type specimen(s). H (?♀): # E-14 (KUC).

Family Rhachiberthidae Tjeder, 1959

3.259 Genus *Eorachibertha* Engel, 2004

Eorachibertha Engel, 2004b: 137. Type species: *Eorachibertha burmitica* Engel, 2004.

327) *Eorachibertha burmitica* (Engel, 2004)

Eorachibertha burmitica Engel, 2004b: 137.

Eorachibertha burmitica: Makarkin, 2015a: 330.

Type specimen(s). H (♂): NHML In. 20177 (NHML).

3.260 Genus *Scoloberothesa* Engel & Grimaldi, 2008

Scoloberothesa Engel & Grimaldi, 2008b: 32. Type species: *Scoloberothesa necatrix* Engel & Grimaldi, 2008.

328) *Scoloberothesa necatrix* Engel & Grimaldi, 2008

Scoloberothesa necatrix Engel & Grimaldi, 2008b: 33.

Type specimen(s). H: SEMC KU-Ent Bu-056 (KUC).

Family Berthidae Handlirsch, 1906

Subfamily Paraberthinae Nel *et al.*, 2005

3.261 Genus *Creagroparaberthothesa* Makarkin, 2015

Creagroparaberotha Makarkin, 2015a: 329. Type species: *Creagroparaberotha groehni* Makarkin, 2015.

329) *Creagroparaberotha groehni* Makarkin, 2015

Creagroparaberotha groehni Makarkin, 2015a: 329.

Type specimen(s). H: GPIH Typ. Kat. Nr. 4568 (GPIH).

3.262 Genus *Micromantispa* Shi, Ohl, Wunderlich & Ren, 2015

Micromantispa Shi, Ohl, Wunderlich & Ren, 2015: 417. Type species: *Micromantispa cristata* Shi, Ohl, Wunderlich & Ren, 2015: 418.

330) *Micromantispa cristata* Shi, Ohl, Wunderlich & Ren, 2015

Micromantispa cristata Shi, Ohl, Wunderlich & Ren, 2015: 418.

Type specimen(s). H (♀): F2331_BU_CFW (SMF).

Subfamily *incertae sedis*

3.263 Genus *Dasyberotha* Engel & Grimaldi, 2008

Dasyberotha Engel & Grimaldi, 2008b: 26. Type species: *Dasyberotha eucharis* Engel & Grimaldi, 2008.

331) *Dasyberotha eucharis* Engel & Grimaldi, 2008

Dasyberotha eucharis Engel & Grimaldi, 2008b: 26.

Type specimen(s). H: AMNH Bu-1292 (AMNH).

3.264 Genus *Ethiroberotha* Engel & Grimaldi, 2008

Ethiroberotha Engel & Grimaldi, 2008b: 28. Type species: *Ethiroberotha elongata* Engel & Grimaldi, 2008.

332) *Ethiroberotha elongata* Engel & Grimaldi, 2008

Ethiroberotha elongata Engel & Grimaldi, 2008b: 29.

Type specimen(s). H: AMNH Bu-1681 (AMNH).

3.265 Genus *Haploberotha* Engel & Grimaldi, 2008

Haploberotha Engel & Grimaldi, 2008b: 23. Type species: *Haploberotha persephone* Engel & Grimaldi, 2008.

333) *Haploberotha persephone* Engel & Grimaldi, 2008

Haploberotha persephone Engel & Grimaldi, 2008b: 23.

Type specimen(s). H: AMNH Bu-1296 (AMNH).

3.266 Genus *Iceloberotha* Engel & Grimaldi, 2008

Iceloberotha Engel & Grimaldi, 2008b: 21. Type species: *Iceloberotha kachinensis* Engel & Grimaldi, 2008.

334) *Iceloberotha kachinensis* Engel & Grimaldi, 2008

Iceloberotha kachinensis Engel & Grimaldi, 2008b: 22.

Type specimen(s). H: AMNH Bu-1295 (AMNH).

335) *Iceloberotha simulatrix* Engel & Grimaldi, 2008

Iceloberotha simulatrix Engel & Grimaldi, 2008b: 22.

Type specimen(s). H: AMNH Bu-1621 (AMNH).

3.267 Genus *Jersiberothera* Grimaldi, 2000

Jersiberothera Grimaldi, 2000: 274. Type species: *Jersiberothera luzzii* Grimaldi, 2000.

336) *Jersiberothera myanmarensis* Engel & Grimaldi, 2008

Jersiberothera myanmarensis Engel & Grimaldi, 2008b: 20.

Type specimen(s). H: AMNH Bu-199 (AMNH).

337) *Jersiberothera tauberorum* Engel & Grimaldi, 2008

Jersiberothera tauberorum Engel & Grimaldi, 2008b: 20.

Type specimen(s). H: AMNH Bu-1414 (AMNH).

3.268 Genus *Maculaberotha* Yuan, Ren & Wang, 2016

Maculaberotha Yuan, Ren & Wang, 2016: 41. Type species: *Maculaberotha nervosa* Yuan, Ren & Wang, 2016.

338) *Maculaberotha nervosa* Yuan, Ren & Wang, 2016

Maculaberotha nervosa Yuan, Ren & Wang, 2016: 42.

Type specimen(s). H (♀): CNU-NEU-MA2016003 (CNU).

3.269 Genus *Magniberotha* Yuan, Ren & Wang, 2016

Magniberotha Yuan, Ren & Wang, 2016: 43. Type species: *Magniberotha recurrens* Yuan, Ren & Wang, 2016.

339) *Magniberotha recurrens* Yuan, Ren & Wang, 2016

Magniberotha recurrens Yuan, Ren & Wang, 2016: 44.

Type specimen(s). H (♀): CNU-NEU-MA2016001 (CNU). P (?): CNU-NEU-MA2016002 (CNU).

3.270 Genus *Systemoberothera* Engel & Grimaldi, 2008

Systemoberothera Engel & Grimaldi, 2008b: 27. Type species: *Systemoberothera magillae* Engel & Grimaldi, 2008.

340) *Systemoberothera magillae* Engel & Grimaldi, 2008

Systemoberothera magillae Engel & Grimaldi, 2008b: 27.

Type specimen(s). H: AMNH Bu-859 (AMNH).

3.271 Genus *Telistoberothera* Engel & Grimaldi, 2008

Telistoberothera Engel & Grimaldi, 2008b: 24. Type species: *Telistoberothera libitina* Engel & Grimaldi, 2008.

341) *Telistoberothera libitina* Engel & Grimaldi, 2008

Telistoberothera libitina Engel & Grimaldi, 2008b: 25.

Type specimen(s). H: AMNH Bu-1293 (AMNH).

Suborder Myrmeleontiformia Henry, 1982

Superfamily Myrmeleontoidea Latreille, 1802

Family Psychopsidae Handlirsch, 1906

3.272 Genus *Litopsychopsis* Engel & Grimaldi, 2008

Litopsychopsis Engel & Grimaldi, 2008b: 13. Type species: *Litopsychopsis burmitica* Engel & Grimaldi, 2008.

342) *Litopsychopsis burmitica* Engel & Grimaldi, 2008

Litopsychopsis burmitica Engel & Grimaldi, 2008b: 14.

Type specimen(s). H: AMNH Bu-309 (AMNH).

Family Nymphidae Rambur, 1842

3.273 Genus *Elenchonymphes* Engel & Grimaldi, 2008

Elenchonymphes Engel & Grimaldi, 2008b: 11. Type species: *Elenchonymphes electrica* Engel & Grimaldi, 2008.

343) *Elenchonymphes electrica* Engel & Grimaldi, 2008

Elenchonymphes electrica Engel & Grimaldi, 2008b: 12.

Type specimen(s). H: AMNH Bu-277 (AMNH).

Superfamily Myrmeleontoidea Latreille, 1802

Family Myrmeleontidae Latreille, 1802

Subfamily Araripeneurinae Martins-Neto & Vulcano, 1989

3.274 Genus *Burmaneura* Huang, Azar, Engel, Garrouste, Cai & Nel, 2016

Burmaneura Huang, Azar, Engel, Garrouste, Cai & Nel, 2016b: 3. Type species: *Burmaneura minuta* Huang, Azar, Engel, Garrouste, Cai & Nel, 2016.

344) *Burmaneura minuta* Huang, Azar, Engel, Garrouste, Cai & Nel, 2016

Burmaneura minuta Huang, Azar, Engel, Garrouste, Cai & Nel, 2016b: 4.

Type specimen(s). H (♀): NIGP163428 (NIGP).

Order Neuroptera Linnaeus, 1758

Superfamily Psychopsoidea Handlirsch, 1906

Family *incertae sedis*

3.275 Genus *Burmopsychops* Lu, Zhang & Liu, 2016

Burmopsychops Lu, Zhang & Liu, 2016: 6. Type species: *Burmopsychops limoae* Lu, Zhang & Liu, 2016.

345) *Burmopsychops limoae* Lu, Zhang & Liu, 2016

Burmopsychops limoae Lu, Zhang & Liu, 2016: 7.

Type specimen(s). H (♀): EMTG BU-001293 (EMTG).

3.276 Genus *Cretanallachius* Huang, Azar, Cai, Garrouste & Nel, 2015

Cretanallachius Huang, Azar, Cai, Garrouste & Nel, 2015a: 274. Type species: *Cretanallachius magnificus* Huang, Azar, Cai, Garrouste & Nel, 2015.

346) *Cretanallachius magnificus* Huang, Azar, Cai, Garrouste & Nel, 2015

Cretanallachius magnificus Huang, Azar, Cai, Garrouste & Nel, 2015a: 275.

Type specimen(s). H (♂): NIGP162229 (PCXJ).

Additional materials. (3♂): PCXJ BA-0001, PCXJ BA-0002, PCXJ BA-0003 (PCXJ).

3.277 Genus *Fiaponeura* Lu, Zhang & Liu, 2016

Fiaponeura Lu, Zhang & Liu, 2016: 2. Type species: *Fiaponeura penghiani* Lu, Zhang & Liu, 2016.

347) *Fiaponeura penghiani* Lu, Zhang & Liu, 2016

Fiaponeura penghiani Lu, Zhang & Liu, 2016: 3.

Type specimen(s). H (♀): EMTG BU-001679 (EMTG).

Order Neuroptera Linnaeus, 1758
Family Sisyridae Banks, 1905
Subfamily Paradoxosyrinae Makarkin, 2016

3.278 Genus *Paradoxosybra* Makarkin, 2016

Paradoxosybra Makarkin, 2016: 127. Type species: *Paradoxosybra groehni* Makarkin, 2016.

348) *Paradoxosybra groehni* Makarkin, 2016

Paradoxosybra groehni Makarkin, 2016: 127.

Type specimen(s). H (♀): GPIH Typ. Kat. Nr. 4580 (collection of C. Gröhn, no. 11072) (GPIH).

Order Coleoptera Linnaeus, 1758
Suborder Archostemata Kolbe, 1908
Family Cupedidae Laporte, 1836
Subfamily Cupedinae Laporte, 1836

3.279 Genus *Mallecupes* Jarzembowski, Wang & Zheng, 2016

Mallecupes Jarzembowski, Wang & Zheng, 2016c: 3. Type species: *Mallecupes qingqingae* Jarzembowski, Wang & Zheng, 2016.

349) *Mallecupes qingqingae* Jarzembowski, Wang & Zheng, 2016

Mallecupes qingqingae Jarzembowski, Wang & Zheng, 2016c: 3.

Type specimen(s). H: NIGP 157008 (NIGP). P (?): NIGP164791 (NIGP).

Additional materials. Specimen number not assigned (FXC, LAMS).

(?)Subfamily Ommatinae Sharp & Muir, 1912

3.280 Genus *Stegocoleus* Jarzembowski & Wang, 2016

Stegocoleus Jarzembowski & Wang, 2016a: 299. Type species: *Stegocoleus caii* Jarzembowski & Wang, 2016.

350) *Stegocoleus caii* Jarzembowski & Wang, 2016

Stegocoleus caii Jarzembowski & Wang, 2016a: 299.

Type specimen(s). H: NIGP 157004 (NIGP). P(5??): Specimen number not assigned (CCN, FXC).

Subfamily Ommatinae Sharp & Muir, 1912
Tribe Brochocoleini Hong, 1982

3.281 Genus *Brochocoleus* Hong, 1982

Brochocoleus Hong, 1982: 103. Type species: *Brochocoleus punctatus* Hong, 1982.

351) *Brochocoleus caseyi* Jarzembowski, Wang & Zheng, 2016

Brochocoleus caseyi Jarzembowski, Wang & Zheng, 2016b: 4.

Type specimen(s). H: NIGP 164901 (NIGP).

Suborder Myxophaga Crowson, 1955
Superfamily Lepiceroidea Hinton, 1936
Family Lepiceridae Hinton, 1936

3.282 Genus *Haplochelus* Kirejtshuk & Poinar, 2006

Haplochelus Kirejtshuk & Poinar, 2006: 157. Type species: *Haplochelus georissoides* Kirejtshuk & Poinar, 2006: 157.

352) *Haplochelus georissoides* Kirejtshuk & Poinar, 2006

Haplochelus georissoides Kirejtshuk & Poinar, 2006: 157.

Type specimen(s). H: # B-C-21 (PACO).

Subfamily Lepicerinae Hinton, 1936

3.283 Genus *Lepiceroides* Kirejtshuk & Poinar, 2013

Lepiceroides Kirejtshuk & Poinar, 2013: 56. Type species: *Lepiceroides pretiosus* Kirejtshuk & Poinar, 2013.

353) *Lepiceroides pretiosus* Kirejtshuk & Poinar, 2013

Lepiceroides pretiosus Kirejtshuk & Poinar, 2013: 57.

Type specimen(s). H: # B-C-46 (PACO).

Superfamily Sphaeriuoidea Erichson, 1845

Family Sphaeriusidae Erichson, 1845

3.284 Genus *Burmasporum* Kirejtshuk, 2009

Burmasporum Kirejtshuk, 2009: 100. Type species: *Burmasporum rossi* Kirejtshuk, 2009.

354) *Burmasporum rossi* Kirejtshuk, 2009

Burmasporum rossi Kirejtshuk, 2009: 100.

Type specimen(s). H (♀): 19132 (NHML).

Suborder Adephaga Clairville, 1806

Family Carabidae Latreille, 1802

Subfamily Licininae Bonelli, 1810

Tribe Oodini LaFerté-Sénectere, 1851

3.285 Genus *Oodes* Bonelli, 1810

Oodes Bonelli, 1810. Type species: *Carabus helopioides* Fabricius, 1792.

355) *Oodes kachinensis* Liu, 2015

Oodes kachinensis Liu, 2015: 428.

Type specimen(s). H (♀): NIGP160533 (NIGP).

Suborder Polyphaga Emery, 1886

Superfamily Hydrophiloidea Latreille, 1802

Family Histeridae Gyllenhal, 1808

3.286 Genus *Pantostictus* Poinar & Brown, 2009

Pantostictus Poinar & Brown, 2009b: 39. Type species: *Pantostictus burmanicus* Poinar & Brown, 2009.

356) *Pantostictus burmanicus* Poinar & Brown, 2009

Pantostictus burmanicus Poinar & Brown, 2009b: 40.

Type specimen(s). H: # B-C- 40 (PACO). P (??): #s B- C- 40A, 40B, and 40C (PACO).

Subfamily Onthophilinae MacLeay, 1819

3.287 Genus *Cretonthophilus* Caterino, Wolf-Schwenninger & Bechly, 2015

Cretonthophilus Caterino, Wolf-Schwenninger & Bechly, 2015: 241. Type species: *Cretonthophilus tuberculatus* Caterino, Wolf-Schwenninger & Bechly, 2015.

357) *Cretonthophilus tuberculatus* Caterino, Wolf-Schwenninger & Bechly, 2015

Cretonthophilus tuberculatus Caterino, Wolf-Schwenninger & Bechly, 2015: 242.

Type specimen(s). H: SMNS BU-162 (old no. F2787/Bu/CJW) (SMNS).

Superfamily Staphylinoidea Latreille, 1802

Family Staphylinidae Latreille, 1802

Subfamily Proteininae Erichson, 1839

Tribe Vetuproteinini Cai, Newton & Thayer, 2016

3.288 Genus *Vetuproteinus* Cai, Newton & Thayer, 2016

Vetuproteinus Cai, Newton & Thayer, 2016: 2. Type species: *Vetuproteinus cretaceus* Cai, Newton & Thayer, 2016.

358) *Vetuproteinus cretaceus* Cai, Newton & Thayer, 2016

Vetuproteinus cretaceus Cai, Newton & Thayer, 2016: 2.

Type specimen(s). H (♀): NIGP164466 (NGIP).

Subfamily Pselaphinae Latreille, 1802

Tribe Bythinini Raffray, 1890

3.289 Genus *Boreotethys* Parker, 2016

Boreotethys Parker, 2016: 12. Type species: *Boreotethys grimaldii* Parker, 2016.

359) *Boreotethys arctopteryx* Parker, 2016

Boreotethys arctopteryx Parker, 2016: 17.

Type specimen(s). H (?♂): AMNH B-248 (AMNH).

360) *Boreotethys grimaldii* Parker, 2016

Boreotethys grimaldii Parker, 2016: 15.

Type specimen(s). H (?♂): AMNH B-023 (AMNH).

Tribe *incertae sedis*

3.290 Genus *Protrichonyx* Parker, 2016

Protrichonyx Parker, 2016: 10. Type species: *Protrichonyx rafifrons* Parker, 2016.

361) *Protrichonyx rafifrons* Parker, 2016

Protrichonyx rafifrons Parker, 2016: 11.

Type specimen(s). H (?♂): AMNH Bu-614 (AMNH).

Subfamily Tachyporinae MacLeay, 1825

Tribe Tachyporini MacLeay, 1825

3.291 Genus *Procileoporus* Yamamoto, 2016

Procileoporus Yamamoto, 2016b: 165. Type species: *Procileoporus burmiticus* Yamamoto, 2016.

362) *Procileoporus burmiticus* Yamamoto, 2016

Procileoporus burmiticus Yamamoto, 2016b: 167.

Type specimen(s). H (♀): AMNH Bu-SY4 (AMNH).

Subfamily Dasycerinae Reitter, 1887

3.292 Genus *Protodasycerus* Yamamoto, 2016

Protodasycerus Yamamoto, 2016a: 64. Type species: *Protodasycerus aenigmaticus* Yamamoto, 2016.

363) *Protodasycerus aenigmaticus* Yamamoto, 2016

Protodasycerus aenigmaticus Yamamoto, 2016a: 64.

Type specimen(s). H (♀): AMNH Bu-SY1 (AMNH).

Subfamily Micropeplinae Leach, 1815

3.293 Genus *Protopeplus* Cai & Huang, 2014

Protopeplus Cai & Huang, 2014: 814. Type species: *Protopeplus cretaceus* Cai & Huang, 2014.

364) *Protopeplus cretaceus* Cai & Huang, 2014

Protopeplus cretaceus Cai & Huang, 2014: 814.

Type specimen(s). H: NIGP152731 (NIGP).

Subfamily Aleocharinae Fleming, 1821

Tribe Deinopsini Thomson, 1867

3.294 Genus *Cretodeinopsis* Cai & Huang, 2015

Cretodeinopsis Cai & Huang, 2015a: 1580. Type species: *Cretodeinopsis aenigmatica* Cai & Huang, 2015.

365) *Cretodeinopsis aenigmatica* Cai & Huang, 2015

Cretodeinopsis aenigmatica Cai & Huang, 2015a: 1580.

Type specimen(s). H: NIGP157736 (NIGP).

Subfamily Osoriinae Erichson, 1839

Tribe Thoracophorini Reitter, 1909

Subtribe Clavilispinina Newton & Thayer, 1992

3.295 Genus *Mesallotrochus* Cai & Huang, 2015

Mesallotrochus Cai & Huang, 2015b: 496. Type species: *Mesallotrochus longiantennatus* Cai & Huang, 2015.

366) *Mesallotrochus longiantennatus* Cai & Huang, 2015

Mesallotrochus longiantennatus Cai & Huang, 2015b: 496.

Type specimen(s). H: NIGP157737 (NIGP).

Subfamily Megalopsidiinae Leng, 1920

3.296 Genus *Megalopinus* Eichelbaum, 1915

Megalopinus Eichelbaum, 1915: 104. Type species: *Oxyporus caelatus* Gravenhorst, 1802.

Aulacotrachelus Benick, 1921: 1. Type species: *Oxyporus caelatus* Gravenhorst, 1802.

Megalops Erichson, 1839: 30. Type species: *Oxyporus caelatus* Gravenhorst, 1802.
Megalopsidia Leng, 1918: 204. Type species: *Oxyporus caelatus* Gravenhorst, 1802.
Stylopodus Benick, 1917: 190. Type species: *Oxyporus caelatus* Gravenhorst, 1802.

367) *Megalopinus extinctus* Yamamoto & Solodovnikov, 2016

Megalopinus extinctus Yamamoto & Solodovnikov, 2016b: 141.

Type specimen(s). H (♀): AMNH Bu-SY2 (AMNH).

Subfamily Scydmaeninae Leach, 1815

Tribe Glandulariini Schaufuss, 1889

3.297 Genus *Scydmobisetia* Jäloszyski & Yamamoto, 2016

Scydmobisetia Jäloszyski & Yamamoto, 2016: 60. Type species: *Scydmobisetia vetutissima* Jäloszyski & Yamamoto, 2016.

368) *Scydmobisetia vetutissima* Jäloszyński & Yamamoto, 2016

Scydmobisetia vetutissima Jäloszyński & Yamamoto, 2016: 62.

Type specimen(s). H (♂?): AMNH Bu-SY3 (AMNH).

Supertribe Hapsomelitae Poinar & Brown, 2004

3.298 Genus *Ektatotricha* Chatzimanolis, Engel & Newton 2010

Ektatotricha Chatzimanolis, Engel & Newton 2010: 78. Type species: *Ektatotricha paradoxa* Chatzimanolis, Engel & Newton, 2010.

369) *Ektatotricha paradoxa* Chatzimanolis, Engel & Newton 2010

Staphylinoid sp. Grimaldi & Engel, 2005: 376.

Ektatotricha paradoxa Chatzimanolis, Engel & Newton 2010: 79.

Type specimen(s). H: AMNH Bu-1464 (AMNH). P (12??): Bu-073, Bu-259, Bu-374, Bu-1025, Bu-1046, and Bu-1579 (AMNH); Bu-001, Bu-056, Bu-067, Bu-092 (SEMC); JD2164 and unnumbered specimen (FMNH).

Additional materials. Bu-244 and Bu-1319 (AMNH).

3.299 Genus *Electroatopos* Chatzimanolis, Engel & Newton, 2010

Electroatopos Chatzimanolis, Engel & Newton, 2010: 80. Type species: *Electroatopos castaneus* Chatzimanolis, Engel & Newton, 2010.

370) *Electroatopos castaneus* Chatzimanolis, Engel & Newton, 2010

Electroatopos castaneus Chatzimanolis, Engel & Newton, 2010: 81.

Type specimen(s). H: AMNH Bu-1596 (AMNH).

3.300 Genus *Hapsomela* Poinar & Brown, 2004

Hapsomela Poinar & Brown, 2004b: 790. Type species: *Hapsomela burmitis* Poinar & Brown, 2004.

371) *Hapsomela burmitis* Poinar & Brown, 2004

Hapsomela burmitis Poinar & Brown, 2004b: 790.

Type specimen(s). H (♀): # B-C-11 (PACO).

Supertribe Scydmaenitae Leach, 1815

Tribe *incertae sedis*

3.301 Genus *Kachinus* Chatzimanolis, Engel & Newton, 2010

Kachinus Chatzimanolis, Engel & Newton, 2010. Type species: *Kachinus antennatus* Chatzimanolis, Engel & Newton, 2008.

372) *Kachinus antennatus* Chatzimanolis, Engel & Newton, 2010

Scydmaeninae sp. Grimaldi & Engel, 2005: 372.

Kachinus antennatus Chatzimanolis, Engel & Newton, 2010: 82.

Type specimen(s). H: AMNH Bu-113 (AMNH).

Supertribe Mastigitae Fleming, 1821

Tribe *incertae sedis*

3.302 Genus *Cretoleptochromus* Cai & Huang, 2016

Cretoleptochromus Cai & Huang, 2016a: 8. Type species: *Cretoleptochromus archaicus* Cai & Huang, 2016.

373) *Cretoleptochromus archaicus* Cai & Huang, 2016

Cretoleptochromus archaicus Cai & Huang, 2016a: 8.

Type specimen(s). H: NIGP163304 (NIGP).

Subfamily Euaesthetinae Thomson, 1859

Tribe Euaesthetini Thomson, 1859

3.303 Genus *Octavius* Fauvel, 1873

Octavius Fauvel, 1873: 62. Type species: *Octavius pyrenaicus* Fauvel, 1873.

374) *Octavius electrospinosus* Clarke & Chatzimanolis, 2009

Octavius electrospinosus Clarke & Chatzimanolis, 2009: 1429.

Type specimen(s). H (♀): AMNH BU-562(AMNH).

Subfamily Solieriinae Newton & Thayer, 1992

3.304 Genus *Prosolierius* Thayer, Newton & Chatzimanolis, 2012

Prosolierius Thayer, Newton & Chatzimanolis, 2012: 125. Type species: *Prosolierius crassicornis* Thayer, Newton & Chatzimanolis, 2012.

375) *Prosolierius crassicornis* Thayer, Newton & Chatzimanolis, 2012

Prosolierius crassicornis Thayer, Newton & Chatzimanolis, 2012: 128.

Type specimen(s). H (♀): AMNH Bu-273(AMNH). P (♂): KU-NHM-ENT Bu-030 (SEMC).

376) *Prosolierius mixticornis* Thayer, Newton & Chatzimanolis, 2012

Prosolierius mixticornis Thayer, Newton & Chatzimanolis, 2012: 128.

Type specimen(s). H (♀): AMNH Bu-639(AMNH). P (♂): AMNH Bu-639A(AMNH).

377) *Prosolierius tenuicornis* Thayer, Newton & Chatzimanolis, 2012

Prosolierius tenuicornis Thayer, Newton & Chatzimanolis, 2012: 130.

Type specimen(s). H (♂): AMNH Bu-635 (AMNH).

Superfamily Scarabaeoidea Latreille, 1802

Family Hybosoridae Erichson, 1847

Subfamily Hybosorinae Erichson, 1847

3.305 Genus *Hybosorus* Macleay, 1819

Hybosorus Macleay, 1819: 120. Type species: *Hybosorus illigeri* Reiche, 1853.

378) *Hybosorus ocampoi* Bai & Zhang, 2016

Hybosorus ocampoi Bai & Zhang, 2016: 235.

Type specimen(s). H (♀): BU-001785 (EMTG).

Family Geotrupidae Latreille, 1802

Subfamily Bolboceratinae Mulsant, 1842

Tribe Athyreini Lynch Arribálzaga, 1878

3.306 Genus *Amberathyreus* Bai & Zhang, 2016

Amberathyreus Bai & Zhang, 2016: 2. Type species: *Amberathyreus beuteli* Bai & Zhang, 2016.

379) *Amberathyreus beuteli* Bai & Zhang, 2016

Amberathyreus beuteli Bai & Zhang, 2016: 3.

Type specimen(s). H (?♀): No. BU-002290 (EMTG).

Family Passalopalpidae Boucher & Bai, 2016

3.307 Genus *Passalopalpus* Boucher & Bai, 2016

Passalopalpus Boucher & Bai, 2016: 71. Type species: *Passalopalpus cheni* Boucher, Bai & Zhang, 2016.

380) *Passalopalpus cheni* Boucher, Bai & Zhang, 2016

Passalopalpus cheni Boucher, Bai & Zhang, 2016: 71.

Type specimen(s). H (♂): NIGP163563 (NIGP). P (8 ??): NIGP163564, NIGP163560, NIGP163561, NIGP163562, NIGP163565, NIGP163566, NIGP163567 and NIGP163568(NIGP).

Superfamily Scirtoidea Fleming, 1821

Family Scirtidae Fleming, 1821

3.308 Genus *Mesernobius* Engel, 2010

Mesernobius Engel, 2010: 32. Type species: *Mesernobius anawrahtai* Engel, 2010.

381) *Mesernobius anawrahtai* Engel, 2010

Mesernobius anawrahtai Engel, 2010: 32.

Type specimen(s). H: KU Bu-019 (KUC).

Superfamily Buprestoidea Leach, 1815

Family Buprestidae Leach, 1815

Subfamily Polycestinae Lacordaire, 1857

Tribe Acmaeoderini Kerremans, 1893

Subtribe Acmaeoderina Kerremans, 1893

3.309 Genus *Acmaeodera* Eschscholtz, 1829

Acmaeodera Eschscholtz, 1829: 9. Type species: *Buprestis decemguttata* Thunberg, 1787.

382) *Acmaeodera burmitina* Cockerell, 1917

Acmaeodera burmitina Cockerell, 1917d: 323.

Type specimen(s). H: NHML In.19107 (NHML).

Superfamily Byrrhoidea Latreille, 1804
Family Ptilodactylidae Laporte, 1836

3.310 Genus *Aphebodactyla* Chatzimanolis *et al.*, 2012

Aphebodactyla Chatzimanolis *et al.*, 2012: 571. Type species: *Aphebodactyla rhetine* Chatzimanolis *et al.*, 2012.

383) *Aphebodactyla rhetine* Chatzimanolis *et al.*, 2012

Aphebodactyla rhetine Chatzimanolis *et al.*, 2012: 572.

Type specimen(s). H (♂): KU-NHM-ENT Bu-006 (KUC).

Superfamily Elateroidea Leach, 1815
Family Elateridae Leach, 1815

3.311 Genus *Elater* Linnaeus, 1758

Elater Linnaeus, 1758: 408. Type species: Unknown.

384) *Elater burmitinus* Cockerell, 1917

Elater burmitinus Cockerell, 1917d: 325.

Type specimen(s). H: NHML In.19102 (NHML).

Family Lampyridae Rafinesque, 1815
Subfamily Luciolinae Lacordaire, 1857

3.312 Genus *Protoluciola* Kazantsev, 2015

Protoluciola Kazantsev, 2015: 281. Type species: *Protoluciola albertalleni* Kazantsev, 2015.

385) *Protoluciola albertalleni* Kazantsev, 2015

Protoluciola albertalleni Kazantsev, 2015: 283.

Type specimen(s). H (♂): ICM-BU-1687–1 (ICM).

Family Cantharidae Imhoff, 1856
Subfamily Cantharinae Imhoff, 1856
Tribe Cantharini Imhoff, 1856

3.313 Genus *Ornatomalthinus* Poinar & Fanti, 2016

Ornatomalthinus Poinar & Fanti, 2016: 2. Type species: *Ornatomalthinus elvirae* Poinar & Fanti, 2016.

386) *Ornatomalthinus elvirae* Poinar & Fanti, 2016

Ornatomalthinus elvirae Poinar & Fanti, 2016: 2.

Type specimen(s). H (♀): No. B-C-28 (PACO).

Subfamily Malthininae Kiesenwetter, 1852
Tribe Malthodini Böving & Craighead, 1930

3.314 Genus *Archaeomalthodes* Hsiao, Ślipiński & Pang, 2016

Archaeomalthodes Hsiao, Ślipiński & Pang, 2016: 6. Type species: *Archaeomalthodes rosetta* Hsiao, Ślipiński & Pang, 2016.

387) *Archaeomalthodes rosetta* Hsiao, Ślipiński & Pang, 2016

Archaeomalthodes rosetta Hsiao, Ślipiński & Pang, 2016: 7.

Type specimen(s). H (♀): No. CNU-COL-MA20160200 (CNU).

Superfamily Bostrichoidea Latreille, 1802

Family Dermestidae Latreille, 1804

Subfamily Dermestinae Latreille, 1804

Tribe Dermestini Latreille, 1804

3.315 Genus *Dermestes* Linnaeus, 1758

Dermestes Linnaeus, 1758: 342. Type species: *Dermestes lardarius* Linnaeus, 1758.

388) *Dermestes larvalis* Cockerell, 1917

Dermestes larvalis Cockerell, 1917b: 43.

Type specimen(s). H: NHML In.19108, a nymph (NHML).

Superfamily Cucujoidea Latreille, 1802

Family Silvanidae Kirby, 1837

3.316 Genus *Pleuroceratos* Poinar & Kirejtshuk, 2008

Pleuroceratos Poinar & Kirejtshuk, 2008: 251. Type species: *Pleuroceratos burmiticus* Poinar & Kirejtshuk, 2008.

389) *Pleuroceratos burmiticus* Poinar & Kirejtshuk, 2008

Pleuroceratos burmiticus Poinar & Kirejtshuk, 2008: 253.

Type specimen(s). H (♂): #ab 378 (RBAC).

Family Monotomidae Laporte, 1840

Subfamily Monotominae Laporte, 1840

Tribe Cretakarenniini Peris & Delclòs, 2015

3.317 Genus *Cretakarenni* Peris & Delclòs, 2015

Cretakarenni Peris & Delclòs, 2015: 335. Type species: *Cretakarenni birmanicus* Peris & Delclòs, 2015.

390) *Cretakarenni birmanicus* Peris & Delclòs, 2015

Cretakarenni birmanicus Peris & Delclòs, 2015: 336.

Type specimen(s). H: JZC Bu-33C (JZC).

Family Smicripidae Horn, 1879

3.318 Genus *Smicrips* LeConte, 1878

Smicrips LeConte, 1878: 399. Type species: *Smicrips palmicola* LeConte, 1878.

391) *Smicrips cretacea* Cai & Huang, 2016

Smicrips cretacea Cai & Huang, 2016b: 46.

Type specimen(s). H: NIGP163547 (NIGP).

Superfamily Tenebrionoidea Latreille, 1802

Family Tetratomidae Billberg, 1820

Subfamily Eustrophinae Gistel, 1856
Tribe *incertae sedis*

3.319 Genus *Cretosynstrophus* Cai, Hsiao & Huang, 2016

Cretosynstrophus Cai, Hsiao & Huang, 2016: 276. Type species: *Cretosynstrophus archaicus* Cai, Hsiao & Huang, 2016.

392) *Cretosynstrophus archaicus* Cai, Hsiao & Huang, 2016

Cretosynstrophus archaicus Cai, Hsiao & Huang, 2016: 276.

Type specimen(s). H: NIGP163303 (NIGP).

Tribe Eustrophini Gistel, 1856

3.320 Genus *Thescelostrophus* Yu, Hsiao, Ślipiński, Jin, Ren & Pang, 2016

Thescelostrophus Yu, Hsiao, Ślipiński, Jin, Ren & Pang, 2016: 35. Type species: *Thescelostrophus cretaceus* Yu, Hsiao, Ślipiński, Jin, Ren & Pang, 2016.

393) *Thescelostrophus cretaceus* Yu, Hsiao, Ślipiński, Jin, Ren & Pang, 2016

Thescelostrophus cretaceus Yu, Hsiao, Ślipiński, Jin, Ren & Pang, 2016: 36.

Type specimen(s). H: No. CNU-COL-MA2016001 (CNU).

Family Rhiphoridae Gemminger, 1870
Subfamily Rhipidiinae Gerstaecker, 1855

3.321 Genus *Cretaceoripidius* Falin & Engel, 2010

Cretaceoripidius Falin & Engel, 2010: 38. Type species: *Cretaceoripidius burmiticus* (Cockerell, 1917).

394) *Cretaceoripidius burmiticus* (Cockerell, 1917)

Myodites burmiticus Cockerell, 1917b: 42.

Rhiphorus burmiticus: Perrichot, Nel & Néraudeau, 2004: 581.

Cretaceoripidius burmiticus: Falin & Engel, 2010: 38.

Type specimen(s). H: NHML In.19092 (NHML).

3.322 Genus *Paleoripiphorus* Perrichot, Nel & Néraudeau, 2004

Paleoripiphorus Perrichot, Nel & Néraudeau, 2004: 577. Type species: *Paleoripiphorus deploegi* Perrichot, Nel & Néraudeau, 2004.

395) *Paleoripiphorus deploegi* Perrichot, Nel & Néraudeau, 2004

Paleoripiphorus deploegi Perrichot, Nel & Néraudeau, 2004: 577.

Type specimen(s). H: Specimen ARC 254.6 (TD: PMNH) (TL: Archingeay/Les Nouillers, Charente-Maritime, SW France).

Additional materials. AND-B-834 (TD: AMNH) (TL: Myanmar).

Subfamily Pelecotominae Seidlitz, 1875

3.323 Genus *Flabellotoma* Batelka, Prokop & Engel, 2016

Flabellotoma Batelka, Prokop & Engel, 2016: 71. Type species: *Flabellotoma heidia* Batelka, Prokop & Engel, 2016.

396) *Flabellotoma heidia* Batelka, Prokop & Engel, 2016

Flabellotoma heidia Batelka, Prokop & Engel, 2016: 71.

Type specimen(s). H (♂): AND-B-107 (AMNH).

Family Prostomidae Thomson, 1859

3.324 Genus *Vetuprostomis* Engel & Grimaldi, 2008

Vetuprostomis Engel & Grimaldi, 2008a: 215. Type species: *Vetuprostomis consimilis* Engel & Grimaldi, 2008.

397) *Vetuprostomis consimilis* Engel & Grimaldi, 2008

Prostomidae sp. Grimaldi & Engel, 2005: 390.

Vetuprostomis consimilis Engel & Grimaldi, 2008: 216.

Type specimen(s). H: Bu-1422 (AMNH).

Family Meloidae Gyllenhal, 1810

3.325 Genus *Microentomus* Poinar, 2015

Microentomus Poinar, 2015: 378. Type species: *Microentomus epibatus* Poinar, 2015.

398) *Microentomus epibatus* Poinar, 2015

Microentomus epibatus Poinar, 2015: 378.

Type specimen(s). H: accession # B-He-24B (PACO).

Family Anthicidae Latreille, 1819

Subfamily Eurygeniinae LeConte, 1862

Tribe Eurygeniini LeConte, 1862

3.326 Genus *Eurygenius* LaFerté-Sénéctere, 1849

Eurygenius LaFerté-Sénéctere, 1849: 185. Type species: *Eurygenius parvicornis* Fall, 1929.

399) *Eurygenius wickhami* Cockerell, 1917

Eurygenius wickhami Cockerell, 1917d: 324.

Type specimen(s). H: NHML In.19110 (NHML).

Superfamily Curculionoidea Latreille, 1802

Family Nemonychidae Bedel, 1882

Subfamily Rhinorhynchinae Voss, 1922

3.327 Genus *Burmonyx* Davis & Engel, 2014

Burmonyx Davis & Engel, 2014: 129. Type species: *Burmonyx zigrasi* Davis & Engel, 2014.

400) *Burmonyx zigrasi* Davis & Engel, 2014

Burmonyx zigrasi Davis & Engel, 2014: 129.

Type specimen(s). H (♀): JZC-Bu228 (JZC).

Family Curculionidae Latreille, 1802

3.328 Genus *Cryphalites* Cockerell, 1917

Cryphalites Cockerell, 1917a: 368. Type species: *Cryphalites rugosissimus* Cockerell, 1917.

401) *Cryphalites rugosissimus* Cockerell, 1917

Cryphalites rugosissimus Cockerell, 1917a: 368.

Type specimen(s). H: NHML In.19111 (NHML).

3.329 Genus *Dorotheus* Kuschel, 1959

Dorotheus Kuschel, 1959: 50. Type species: *Dorotheus guidensis* Kuschel, 1959.

402) *Dorotheus guidensis* Kuschel, 1959

Dorotheus guidensis Kuschel, 1959: 50.

Type specimen(s). H: SPMN J.C. 1693.

Subfamily Eriirhininae Schoenherr, 1825

Tribe Paleocryptorhynchini Poinar & Legalov, 2015

3.330 Genus *Palaeocryptorhynchus* Poinar, 2009

Palaeocryptorhynchus Poinar, 2009c: 587. Type species: *Palaeocryptorhynchus burmanus* Poinar, 2009.

403) *Palaeocryptorhynchus burmanus* Poinar, 2009

Palaeocryptorhynchus burmanus Poinar, 2009c: 588.

Type specimen(s). H (♀): accession # B-C-42 (PACO).

Subfamily Scolytinae Latreille, 1804

3.331 Genus *Microborus* Blandford, 1897

Microborus Blandford, 1897: 175. Type species: *Microborus boops* Blandford, 1897.

404) *Microborus inertus* Cognato & Grimaldi, 2009

Microborus inertus Cognato & Grimaldi, 2009: 95.

Type specimen(s). H: AMNH Bu1607 (AMNH).

Family Ithyceridae Schoenherr, 1823

Subfamily Carinae Thompson, 1992

Tribe Anchineini Poinar & Legalov, 2014

3.332 Genus *Anchineus* Poinar & Brown, 2009

Anchineus Poinar & Brown, 2009a: 263. Type species: *Anchineus dolichobothris* Poinar & Brown, 2009.

405) *Anchineus dolichobothris* Poinar & Brown, 2009

Anchineus dolichobothris Poinar & Brown, 2009a: 264.

Type specimen(s). H (♀): # B-C-41 (PACO).

Tribe Mesophyletini Poinar, 2006

3.333 Genus *Mesophyletis* Poinar, 2006

Mesophyletis Poinar, 2006: 879. Type species: *Mesophyletis calhouni* Poinar, 2006.

406) *Mesophyletis calhouni* Poinar, 2006

Mesophyletis calhouni Poinar, 2006: 880.

Type specimen(s). H (♀): KY41042 (RBAC).

Tribe Mektorhamphini Poinar, Brown & Legalov, 2016

3.334 Genus *Mektorhamphus* Poinar, Brown & Legalov, 2016

Mektorhamphus Poinar, Brown & Legalov, 2016a: 158. Type species: *Mektorhamphus gyalommus* Poinar, Brown & Legalov, 2016.

407) *Mektorhamphus gyalommus* Poinar, Brown & Legalov, 2016

Mektorhamphus gyalommus Poinar, Brown & Legalov, 2016a: 158.

Type specimen(s). H (♀): ISEA no. MA2015/1 (ISEA).

3.335 Genus *Habropezus* Poinar, Brown & Legalov, 2016

Habropezus Poinar, Brown & Legalov, 2016a: 159. Type species: *Habropezus plaisiomus* Poinar, Brown & Legalov, 2016.

408) *Habropezus plaisiomus* Poinar, Brown & Legalov, 2016

Habropezus plaisiomus Poinar, Brown & Legalov, 2016a: 159.

Type specimen(s). H (♀): PACO no. Bu-C-48A (PACO). P (?): PACO no. Bu-C-48B (PACO).

Order Strepsiptera Kirby, 1813

Family Phthanoxenidae Engel & Huang, 2016

3.336 Genus *Phthanoxenos* Engel & Huang, 2016

Phthanoxenos Engel & Huang, 2016f: 163. Type species: *Phthanoxenos nervosus* Engel & Huang, 2016.

409) *Phthanoxenos nervosus* Engel & Huang, 2016

Phthanoxenos nervosus Engel & Huang, 2016f: 163.

Type specimen(s). H (♂): NIGP 162694 (NIGP).

Family Kinzelbachillidae Pohl & Beutel, 2016

3.337 Genus *Kinzelbachilla* Pohl & Beutel, 2016

Kinzelbachilla Pohl & Beutel, 2016: 289. Type species: *Kinzelbachilla ellenbergeri* Pohl & Beutel, 2016.

410) *Kinzelbachilla ellenbergeri* Pohl & Beutel, 2016

Kinzelbachilla ellenbergeri Pohl & Beutel, 2016: 290.

Type specimen(s). H (♂): Specimen number not assigned (PMJU).

Family *incertae sedis*

3.338 Genus *Cretostylops* Grimaldi & Kathirithamby, 2005

Cretostylops Grimaldi & Kathirithamby, 2005: 3. Type species: *Cretostylops engeli* Grimaldi & Kathirithamby, 2005: 6.

411) *Cretostylops engeli* Grimaldi & Kathirithamby, 2005

Cretostylops engeli Grimaldi & Kathirithamby, 2005: 6.

Type specimen(s). H (♂): AMNH Bu-1558 (AMNH).

Order Mecoptera Packard, 1886

Family Pseudopolycentropodidae Handlirsch, 1925

3.339 Genus *Parapolycentropus burmiticus* Grimaldi & Rasnitsyn, 2005

Parapolycentropus Grimaldi & Rasnitsyn, 2005: 451. Type species: *Parapolycentropus burmiticus* Grimaldi & Rasnitsyn, 2005.

412) *Parapolycentropus burmiticus* Grimaldi & Rasnitsyn, 2005

Parapolycentropus burmiticus Grimaldi & Rasnitsyn, 2005: 451.

Type specimen(s). H (♂): AMNH Bu694 (AMNH). P (♀): AMNH Bu134 (AMNH).

413) *Parapolycentropus paraburmiticus* Grimaldi & Rasnitsyn, 2005

Parapolycentropus paraburmiticus Grimaldi & Rasnitsyn, 2005: 453.

Type specimen(s). H (♀): AMNH Bu1558 (AMNH).

Family Meropeidae Handlirsch, 1906

3.340 Genus *Burmomerope* Grimaldi & Engel, 2013

Burmomerope Grimaldi & Engel, 2013: 255. Type species: *Burmomerope eureka* Grimaldi & Engel, 2013.

414) *Burmomerope clara* Zhao & Wang, 2016

Burmomerope clara Zhao & Wang, 2016: 137.

Type specimen(s). H (♀): NIGP164028 (NIGP).

415) *Burmomerope eureka* Grimaldi & Engel, 2013

Burmomerope eureka Grimaldi & Engel, 2013: 256.

Type specimen(s). H (♂): JZC Bu-84 (JZC).

Order Megaloptera Latreille, 1802

Family Sialidae Leach, 1815

3.341 Genus *Haplosialodes* Huang *et al.*, 2016

Haplosialodes Huang *et al.*, 2016a: 7. Type species: *Haplosialodes liui* Huang *et al.*, 2016.

416) *Haplosialodes liui* Huang *et al.*, 2016

Haplosialodes liui Huang *et al.*, 2016a: 8.

Type specimen(s). H (♂): NIGP163666 (NIGP).

Order Diptera Linnaeus, 1758

Families *incertae sedis*

3.342 Genus *Gracilomyia* Grimaldi, 2016

Gracilomyia Grimaldi, 2016: 78. Type species: *Gracilomyia wit* Grimaldi, 2016.

417) *Gracilomyia wit* Grimaldi, 2016

Gracilomyia wit Grimaldi, 2016: 79.

Type specimen(s). H (♀): AMNH Bu-SE14 (AMNH).

Family Mysteromyiidae Grimaldi, 2016

3.343 Genus *Mysteromyia* Grimaldi, 2016

Mysteromyia Grimaldi, 2016: 82. Type species: *Mysteromyia plumosa* Grimaldi, 2016.

418) *Mysteromyia plumosa* Grimaldi, 2016

Mysteromyia plumosa Grimaldi, 2016: 82.

Type specimen(s). H (♀): JZC Bu-1817a (JZC).

Family Eucaudomyiidae Grimaldi, 2016

3.344 Genus *Eucaudomyia* Grimaldi, 2016

Eucaudomyia Grimaldi, 2016: 85. Type species: *Eucaudomyia longicerci* Grimaldi, 2016.

419) *Eucaudomyia longicerci* Grimaldi, 2016

Eucaudomyia longicerci Grimaldi, 2016: 86.

Type specimen(s). H (♀): JZC Bu-241 (JZC). P (♀): ? (NIGP).

Family Lygistorrhinidae Edwards, 1925

3.345 Genus *Archaeognoriste* Blagoderov & Grimaldi, 2004

Archaeognoriste Blagoderov & Grimaldi, 2004: 12. Type Species: *Archaeognoriste primitiva* Blagoderov & Grimaldi, 2004.

420) *Archaeognoriste primitiva* Blagoderov & Grimaldi, 2004

Archaeognoriste primitiva Blagoderov & Grimaldi, 2004: 12.

Type specimen(s). H (♂): AMNH Bu-1539 (AMNH). P (4♂): AMNH Bu-412a, Bu- 412b, Bu-485, Bu- 693 (AMNH).

3.346 Genus *Protognoriste* Blagoderov & Grimaldi, 2004

Protognoriste Blagoderov & Grimaldi, 2004: 17. Type species: *Protognoriste amplicauda* Blagoderov & Grimaldi, 2004.

421) *Protognoriste goeleti* Blagoderov & Grimaldi, 2004

Protognoriste goeleti Blagoderov & Grimaldi, 2004: 19.

Type specimen(s). H (♀): AMNH Bu-406 (AMNH).

422) *Protognoriste nascifoa* Blagoderov & Grimaldi, 2004

Protognoriste nascifoa Blagoderov & Grimaldi, 2004: 19.

Type specimen(s). H (♂): AMNH Bu-434 (AMNH).

3.347 Genus *Leptognoriste* Blagoderov & Grimaldi, 2004

Leptognoriste Blagoderov & Grimaldi, 2004: 20. Type species: *Leptognoriste davis* Blagoderov & Grimaldi, 2004.

423) *Leptognoriste davis* Blagoderov & Grimaldi, 2004

Leptognoriste davis Blagoderov & Grimaldi, 2004: 20.

Type specimen(s). H (♂): AMNH Bu-126a (AMNH). P (♂): AMNH Bu-126b (AMNH).

424) *Leptognoriste microstoma* Blagoderov & Grimaldi, 2004

Leptognoriste microstoma Blagoderov & Grimaldi, 2004: 20.

Type specimen(s). H: AMNH Bu-429 (AMNH).

Family Chimeromyiidae Grimaldi & Cumming, 2009

3.348 Genus *Chimeromyia* Grimaldi & Cumming, 1999

Chimeromyia Grimaldi & Cumming, 1999: 69. Type species: *Chimeromyia intriguea* Grimaldi & Cumming, 1999.

425) *Chimeromyia burmitica* Grimaldi & Cumming, 2009

Chimeromyia burmitica Grimaldi & Cumming, 2009: 36.

Type specimen(s). H (♂): AMNH Bu352 (AMNH). P (2♀): AMNH Bu298, AMNH Bu504 (AMNH).

Family Tethepomyiidae Grimaldi & Arillo, 2009

3.349 Genus *Tethepomyia* Grimaldi & Cumming, 1999

Tethepomyia Grimaldi & Cumming, 1999: 6. Type species: *Tethepomyia thauma* Grimaldi & Cumming, 1999.

426) *Tethepomyia coxa* Grimaldi, 2016

Tethepomyia coxa Grimaldi 2016: 60.

Type specimen(s). H (♂): AMNH Bu-SE10 (AMNH).

427) *Tethepomyia zigrasi* Grimaldi & Arillo, 2011

Tethepomyia zigrasi Grimaldi & Arillo, 2011: 323.

Type specimen(s). H (♀): Specimen number not assigned (JZC).

Family Valeseguyidae Amorim & Grimaldi, 2006

3.350 Genus *Cretoseguya* Amorim & Grimaldi, 2006

Cretoseguya Amorim & Grimaldi, 2006: 509. Type species: *Cretoseguya burmitica* Amorim & Grimaldi, 2006.

428) *Cretoseguya burmitica* Amorim & Grimaldi, 2006

Cretoseguya burmitica Amorim & Grimaldi, 2006: 509.

Type specimen(s). H (♀): AMNH Bu108 (AMNH).

Family Archizelmiridae Rohdendorf, 1962

3.351 Genus *Burmazelmira* Grimaldi *et al.*, 2003

Burmazelmira Grimaldi *et al.*, 2003: 374. Type species: *Burmazelmira aristica* Grimaldi *et al.*, 2003.

429) *Burmazelmira aristica* Grimaldi *et al.*, 2003

Burmazelmira aristica Grimaldi *et al.*, 2003: 374.

Type specimen(s). H: AMNH Bu178 (AMNH). P (??): AMNH Bu194, Bu398, Bu400, Bu491, Bu492, Bu493, Bu565W (AMNH).

Family Mycetophilidae Newman, 1834

3.352 Genus *Burmacrocera* Cockerell, 1917

Burmacrocera Cockerell, 1917d: 326. Type species: *Burmacrocera petiolata* Cockerell, 1917.

430) *Burmacrocera petiolata* Cockerell, 1917

Burmacrocera petiolata Cockerell, 1917d: 327.

Type specimen(s). H: NHML In.19104 (NHML).

Suborder Nematocera Latreille, 1825

Infraorder Culicomorpha Hennig, 1948
Superfamily Culicoidea Meigen, 1818
Family Corethrellidae Edwards, 1932

3.353 Genus *Corethrella* Coquillett, 1902

Corethrella Coquillett, 1902: 191. Type species: *Corethm bmkeleyi* Coquillett, 1902.

431) *Corethrella* (*s. str.*) *andersoni* Poinar & Szadziewski, 2007

Corethrella andersoni Poinar & Szadziewski, 2007: 155.

Corethrella (*s. str.*) *andersoni*: Borkent, 2014: 453.

Type specimen(s). H (♀): # B-D-56 (PACO).

Family Chaoboridae Edwards, 1912

3.354 Genus *Chaoburmus* Lukashevitch, 2000

Chaoburmus Lukashevitch, 2000: 48. Type species: *Chaoburmus brevisculus* Lukashevitch, 2000.

432) *Chaoburmus brevisculus* Lukashevitch, 2000

Chaoburmus brevisculus Lukashevitch, 2000: 49.

Type specimen(s). H (♂): NHM In.20168 (NHML). P (♀): NHM In.20 168(1) (NHML).

433) ?*Chaoburmus victimaartis* Lukashevitch, 2000

?*Chaoburmus victimaartis* Lukashevitch, 2000: 50.

Type specimen(s). H (♂): NHM In.20157 (NHML).

Family Culicidae Meigen, 1818
Subfamily Burmaculinae Borkent & Grimaldi, 2016

3.355 Genus *Burmaculex* Borkent & Grimaldi, 2004

Burmaculex Borkent & Grimaldi, 2004: 883. Type species: *Burmaculex antiquus* Borkent & Grimaldi, 2004.

434) *Burmaculex antiquus* Borkent & Grimaldi, 2004

Burmaculex antiquus Borkent & Grimaldi, 2004: 883.

Type specimen(s). H (♀): AMNH Bu-032 (AMNH).

Superfamily Chironomoidea Macquart, 1838
Family Ceratopogonidae Newman, 1834

3.356 Genus *Archiculicoides* Szadziewski, 1996

Archiculicoides Szadziewski, 1996: 29. Type species: *Archiculicoides schleei* Szadziewski, 1996.

435) *Archiculicoides andersoni* Szadziewski, 2015

Archiculicoides andersoni Szadziewski, 2015: 557.

Type specimen(s). H (♀): NMS, G.2010.20.24 (NMS).

436) *Archiculicoides burmiticus* (Szadziewski & Poinar, 2005)

Protoculicoides burmiticus Szadziewski & Poinar, 2005: 352.

Archiculicoides burmiticus: Szadziewski *et al.*, 2016: 5.

Type specimen(s). H (♂): In. C- 1 (PACO).

Subfamily Leptoconopinae Noe, 1907

3.357 Genus *Archiaustroconops* Szadziewski, 1996

Archiaustroconops Szadziewski, 1996: 34. Type species: *Archiaustroconops ceratoformis* Szadziewski, 1996.

437) *Archiaustroconops gracilis* Szadziewski & Poinar, 2005

Archiaustroconops gracilis Szadziewski & Poinar, 2005: 355.

Type specimen(s). H (♂): In. C-5 (PACO).

438) *Archiaustroconops kotejai* Szadziewski & Poinar, 2005

Archiaustroconops kotejai Szadziewski & Poinar, 2005: 356.

Type specimen(s). H (♂): In. C-4 (PACO).

3.358 Genus *Austroconops* Wirth & Lee, 1958

Austroconops Wirth & Lee, 1958: 38. Type species: *Austroconops mcmillani* Wirth & Lee, 1958.

439) *Austroconops asiaticus* Szadziewski, 2004

Austroconops asiaticus Szadziewski, 2004: 115.

Type specimen(s). H (♂): NHML In. 20173(4) (NHML).

3.359 Genus *Leptoconops* Skuse, 1889

Leptoconops Skuse, 1889: 288. Type species: *Leptococops stygius* Skuse, 1889.

Mycterotypus Noè, 1905: 114. Type species: *Mycterotypus bezzii* Noè, 1905.

Protersesthes Kieffer, 1921: 107. Type species: *Tersesthes brasiliensis* Lutz, 1921.

Tersesthes Townsend, 1893: 370. Type species: *Tersesthes torrens* Townsend, 1893.

Schizoconops Kieffer, 1918: 135. Type species: *Schizoconops indicus* Kieffer, 1918.

440) *Leptoconops (Leptoconops) burmiticus* Szadziewski, 2004

Leptoconops burmiticus Szadziewski, 2004: 116.

Leptoconops (Leptoconops) burmiticus: Borkent, 2012: 14.

Type specimen(s). H (♀): NHML In. 20700 (NHML).

441) *Leptoconops (Leptoconops) ellenbergeri* Szadziewski, 2015

Leptoconops (Leptoconops) ellenbergeri Szadziewski, 2015: 256.

Type specimen(s). H (♂): MIB 5613 (MAI).

442) *Leptoconops (Leptoconops) myanmaricus* Szadziewski, 2004

Leptoconops myanmaricus Szadziewski, 2004: 117.

Leptoconops (Leptoconops) myanmaricus: Borkent, 2012: 14.

Type specimen(s). H (♀): NHML In. 20168(6) (NHML). P (2♀): In. 20168(7), In. 20168(8) (NHML).

Additional materials. In 20168 (9) (♂) (NHML).

443) *Leptoconops (Leptoconops) nosopheris* Poinar, 2008

Leptoconops nosopheris Poinar, 2008a: 468.

Leptoconops (Leptoconops) nosopheris: Borkent, 2012: 14.

Type specimen(s). H (♀): BD- 47b (PACO).

444) *Leptoconops (Leptoconops) rossi* Szadziewski, 2004

Leptoconops rossi Szadziewski, 2004: 118.

Leptoconops (Leptoconops) rossi: Borkent, 2012: 14.

Type specimen(s). H (♂): NHML In. 20173(1) (NHML). P (2♀): In. 20173(2), In. 20173(3) (NHML).

445) *Leptoconops (Leptoconops) subrossicus* Szadziewski & Poinar, 2005

Leptoconops subrossicus Szadziewski & Poinar, 2005: 359.

Leptoconops (Leptoconops) subrossicus: Borkent, 2012: 15.

Type specimen(s). H (♂): In. C-12 (PACO).

Subfamily Atriculicoidinae Szadziewski, 1996

3.360 Genus *Protoculicoides* Boesel, 1937

Protoculicoides Boesel, 1937. Type species: *Protoculicoides depressus* Boesel, 1937.

Atriculicoides Remm, 1976: 108. Type species: *Atriculicoides macrophthalmus* Remm, 1976.

446) *Protoculicoides swinhoei* (Cockerell, 1919)

Johannsenomyia swinhoei Cockerell, 1919a: 243.

Atriculicoides swinhoei: Szadziewski 2004: 119.

Protoculicoides swinhoei: Szadziewski & Arillo, 2016: 8

Type specimen(s). H (♂): NHML In. 19133 (NHML).

Additional materials. NHML In. 20168(11) 1 (♂), In.20190, 1(♂).

Infraorder Bibionomorpha Hennig, 1954

Superfamily Bibionoidea Newman, 1834

Family Cascopleciidae Poinar, 2010

3.361 Genus *Cascoplecia* Poinar, 2010

Cascoplecia Poinar, 2010a: 72. Type species: *Cascoplecia insolitis* Poinar, 2010.

447) *Cascoplecia insolitis* Poinar, 2010

Cascoplecia insolitis Poinar, 2010a: 72.

Type specimen(s). H (♀): accession # B-D- 68 (PACO).

Superfamily Sciaroidea Billberg, 1820

Family Diadocidiidae Edwards, 1925

3.362 Genus *Docidiadia* Blagoderov & Grimaldi, 2004

Docidiadia Blagoderov & Grimaldi, 2004: 6. Type species: *Docidiadia burmitica* Blagoderov & Grimaldi, 2004.

448) *Docidiadia burmitica* Blagoderov & Grimaldi, 2004

Docidiadia burmitica Blagoderov & Grimaldi, 2004: 7.

Type specimen(s). H (♂): AMNH Bu-033 (AMNH). P (♀): B-002 (AMNH).

Family Mycetophilidae Newman, 1834

3.363 Genus *Sciara* Meigen, 1803

Sciara Meigen, 1803: 263. Type species: *Tipula thomae* Linnaeus, 1767.

449) *Sciara burmitina* Cockerell, 1917

Sciara burmitina Cockerell, 1917e: 20.

Type specimen(s). H: NHML In.19100 (NHML).

Subfamily Manotinae Edwards, 1925

3.364 Genus *Alavamanota* Blagoderov & Arillo, 2002

Alavamanota Blagoderov & Arillo, 2002: 34. Type Species: *Alavamanota hispanica* Blagoderov & Arillo, 2002.

450) *Alavamanota burmitina* Blagoderov & Grimaldi, 2004

Alavamanota burmitina Blagoderov & Grimaldi, 2004: 22.

Type specimen(s). H (♂): AMNH Bu-1271 (AMNH). P (2♂): AMNH Bu-428a, Bu 279a (AMNH).

Subfamily Sciophilinae Winnertz, 1863

Tribe Sciophilini Winnertz, 1863

3.365 Genus *Allocotocera* Mik, 1886

Eurycera Dziedzicki, 1885: 166. Type species: *Eurycera flava* Dziedzicki, 1885.

Allocotocera Mik, 1886: 102. Type species: *Eurycera flava* Dziedzicki, 1885.

451) *Allocotocera burmitica* Blagoderov & Grimaldi, 2004

Allocotocera burmitica Blagoderov & Grimaldi, 2004: 24.

Type specimen(s). H (♀): AMNH B-056 (AMNH).

3.366 Genus *Pseudomanota* Blagoderov & Grimaldi, 2004

Pseudomanota Blagoderov & Grimaldi, 2004: 25. Type species: *Pseudomanota perplexa* Blagoderov & Grimaldi, 2004.

452) *Pseudomanota perplexa* Blagoderov & Grimaldi, 2004

Pseudomanota perplexa Blagoderov & Grimaldi, 2004: 25.

Type specimen(s). H (♂): AMNH Bu-599a (AMNH).

Tribe Gnoristini Edwards, 1925

3.367 Genus *Gaalomyia* Blagoderov & Grimaldi, 2004

Gaalomyia Blagoderov & Grimaldi, 2004: 34. Type Species: *Gaalomyia carolinae* Blagoderov & Grimaldi, 2004.

453) *Gaalomyia carolinae* Blagoderov & Grimaldi, 2004

Gaalomyia carolinae Blagoderov & Grimaldi, 2004: 34.

Type specimen(s). H (♂): AMNH Bu-390 (AMNH).

Tribe Leiini Edwards, 1925

3.368 Genus *Disparoleia* Blagoderov & Grimaldi, 2004

Disparoleia Blagoderov & Grimaldi, 2004: 48. Type species: *Disparoleia cristata* Blagoderov & Grimaldi, 2004.

454) *Disparoleia cristata* Blagoderov & Grimaldi, 2004

Disparoleia cristata Blagoderov & Grimaldi, 2004: 48.

Type specimen(s). H (♀): AMNH B-0125 (AMNH).

3.369 Genus *Hemolia* Blagoderov & Grimaldi, 2004

Hemolia Blagoderov & Grimaldi, 2004: 48. Type species: *Hemolia matilei* Blagoderov & Grimaldi, 2004.

455) *Hemolia matilei* Blagoderov & Grimaldi, 2004

Hemolia matilei Blagoderov & Grimaldi, 2004: 51.

Type specimen(s). H (♂): AMNH B-0132 (AMNH). P (♀): AMNH B-0133a (AMNH).

456) *Hemolia glabra* Blagoderov & Grimaldi, 2004

Hemolia glabra Blagoderov & Grimaldi, 2004: 51.

Type specimen(s). H (♀): AMNH B-0112 (AMNH).

3.370 Genus *Protragoneura* Blagoderov & Grimaldi, 2004

Protragoneura Blagoderov & Grimaldi, 2004: 52. Type species: *Protragoneura platycera* Blagoderov & Grimaldi, 2004.

457) *Protragoneura platycera* Blagoderov & Grimaldi, 2004

Protragoneura platycera Blagoderov & Grimaldi, 2004: 52.

Type specimen(s). H (♂): AMNH Bu-135 (AMNH). P (♂): AMNH Bu-1076.

3.371 Genus *Temaleia* Blagoderov & Grimaldi, 2004

Temaleia Blagoderov & Grimaldi, 2004: 45. Type species: *Temaleia birmatica* Blagoderov & Grimaldi, 2004: 45.

458) *Temaleia birmatica* Blagoderov & Grimaldi, 2004

Temaleia birmatica Blagoderov & Grimaldi, 2004: 45.

Type specimen(s). H (♀): AMNH Bu-483a (AMNH). P (2♂): AMNH Bu-060, Bu- 054 (AMNH).

3.372 Genus *Zeliinia* Blagoderov & Grimaldi, 2004

Zeliinia Blagoderov & Grimaldi, 2004: 43. Type Species: *Zeliinia orientalis* Blagoderov & Grimaldi, 2004.

459) *Zeliinia orientalis* Blagoderov & Grimaldi, 2004

Zeliinia orientalis Blagoderov & Grimaldi, 2004: 43.

Type specimen(s). H (♂): AMNH Bu-315 (AMNH).

Family Cecidomyiidae Newman, 1835

3.373 Genus *Winnertzia* Rondani, 1860

Winnertzia Rondani, 1860: 290. Type species: *Cecidomyia lugubris* Winnertz, 1853.

Winnertziola Kieffer, 1912: 235. Type species: *Winnertzia rubra* Kieffer, 1894.

460) *Winnertzia burmitica* (Cockerell, 1917)

Winnertziola burmitica Cockerell, 1917b: 42.

Winnertzia burmitica: Gagné & Jaschhof, 2014: 96.

Type specimen(s). H: NHML In.19114 (NHML).

Infraorder Psychodomorpha Hennig, 1968

Superfamily Psychodoidea Newman, 1834

Family Psychodidae Newman, 1834

3.374 Genus *Eophlebotomus* Cockerell, 1920

Eophlebotomus Cockerell, 1920a: 169. Type Specie: *Eophlebotomus connectens* Cockerell 1920.

461) *Eophlebotomus connectens* Cockerell, 1920

Eophlebotomus connectens Cockerell, 1920a: 169.

Type specimen(s). H (?♂): In 20147 (NHML).

3.375 Genus *Palaeomyia* Poinar, 2004

Palaeomyia Poinar, 2004a: 599. Type species: *Palaeomyia burmitis* Poinar, 2004.

462) *Palaeomyia burmitis* Poinar, 2004

Palaeomyia burmitis Poinar, 2004a: 599.

Type specimen(s). H (♀): accession # B-D-16 (PACO).

3.376 Genus *Trichomyia* Haliday, 1839

Trichomyia Haliday, in: Curtis, 1839: 745. Type species: *Trichomyia urbica* Haliday, 1839.

Diplonema Loew, 1845: 7. Type species: *Diplonema buceras* Loew, 1845.

Phalaenomyia Loew, 1845: 9. Type species: *Diplonema buceras* Loew, 1845.

Termitodipteron Holmgren, 1905: 533. Type species: *Termitodipteron wasmanni* Holmgren, 1905.

Lepria Enderlein, 1937: 112. Type species: *Lepria squamosa* Enderlein, 1937.

Eubonetia Vargas & Díaz-Nájera, 1953: 155. Type species: *Trichomyia cirrata* Coquillett, 1902.

463) *Trichomyia swinhoei* Cockerell, 1917

Trichomyia swinhoei Cockerell, 1917e: 21.

Type specimen(s). H: NHML In.20147 (NHML).

Subfamily Protopsychoinae Stebner *et al.*, 2015

3.377 Genus *Datzia* Stebner *et al.*, 2015

Datzia Stebner *et al.*, 2015: 6. Type species: *Datzia bispina* Stebner *et al.*, 2015.

464) *Datzia bispina* Stebner *et al.*, 2015

Datzia bispina Stebner *et al.*, 2015: 6.

Type specimen(s). H (♂): SMF Be 2379 (SMF). P (7♂): SMF Be 2376, 6 paratypes (SMF).

465) *Datzia setosa* Stebner *et al.*, 2015

Datzia setosa Stebner *et al.*, 2015: 9.

Type specimen(s). H (♂): SMF Be 2380.1 (SMF).

3.378 Genus *Mandalayia* Stebner *et al.*, 2015

Mandalayia Stebner *et al.*, 2015: 11. Type species: *Mandalayia beumersorum* Stebner *et al.*, 2015.

466) *Mandalayia beumersorum* Stebner *et al.*, 2015

Mandalayia beumersorum Stebner *et al.*, 2015: 11.

Type specimen(s). H (♂): SMF Be 2385.2 (SMF).

Subfamily Sycoracinae Jung, 1954

3.379 Genus *Palaeoparasycorax* Stebner *et al.*, 2015

Palaeoparasycorax Stebner *et al.*, 2015: 13. Type species: *Palaeoparasycorax globosus* Stebner *et al.*, 2015.

467) *Palaeoparasycorax globosus* Stebner *et al.*, 2015

Palaeoparasycorax globosus Stebner *et al.*, 2015: 14.

Type specimen(s). H (♂): SMF Be 2389.1 (SMF). P (♂): SMF Be 2386.1.

468) *Palaeoparasycorax suppus* Stebner *et al.*, 2015

Palaeoparasycorax suppus Stebner *et al.*, 2015: 15.

Type specimen(s). H (♂): GPIH no. 4418 (GPIH).

3.380 Genus *Parasycorax* Duckhouse, 1972

Parasycorax Duckhouse, 1972: 248. Type species: *Parasycorax satchelli* (Barretto, 1956).

469) *Parasycorax simplex* Stebner *et al.*, 2015

Parasycorax simplex Stebner *et al.*, 2015: 15.

Type specimen(s). H (♂): GPIH no. 4449 (GPIH).

Subfamily Bruchomyiinae Alexander, 1920

3.381 Genus *Nemopalpus* Macquart, 1838

Nemopalpus Macquart, 1838: 219. Type species: *Nemopalpus flavus* Macquart 1838.

Nemopalpus Macquart, 1838: 81. Rejected original spelling.

470) *Nemopalpus velteni* Wagner, 2012

Nemopalpus velteni Wagner, 2012: 357.

Type specimen(s). H (♂): Specimen number not assigned (PCJV).

471) *Nemopalpus quadrispiculatus* Stebner *et al.*, 2015

Nemopalpus quadrispiculatus Stebner *et al.*, 2015: 22.

Type specimen(s). H (♂): SMF Be 2390 (SMF).

Subfamily Phlebotominae Rondani, 1840

Tribe Hertigiini Abonnenc & Leger, 1976

Subtribe Idiophlebotomina Artemiev, 1991

3.382 Genus *Phlebotomites* Hennig, 1972

Phlebotomites Hennig, 1972: 39. Type species: *Phlebotomites brevifilis* Hennig, 1972.

472) *Phlebotomites aphoe* Stebner *et al.*, 2015

Phlebotomites aphoe Stebner *et al.*, 2015: 18.

Type specimen(s). H (♂): SMF Be 2385.1 (SMF).

473) *Phlebotomites burmaticus* Ain Malak, Salame & Azar, 2013

Phlebotomites burmaticus Ain Malak, Salame & Azar, 2013: 94.

Type specimen(s). H (♀): AMNH Bu-773 A (AMNH).

474) *Phlebotomites grimaldii* Ain Malak, Salame & Azar, 2013

Phlebotomites grimaldii Ain Malak, Salame & Azar, 2013: 82.

Type specimen(s). H (♂): AMNH Bu-778 A (AMNH); allotype (♀): AMNH B-0105 A. P (1♂3♀): AMNH B-0105 C (♀), AMNH Bu-778 B (♂), AMNH Bu-1166 A (♀), AMNH Bu-1166 B (♀) (AMNH).

Additional materials. AMNH B-0116 (♂), AMNH B-045 (♀) (AMNH).

475) *Phlebotomites neli* Ain Malak, Salame & Azar, 2013

Phlebotomites neli Ain Malak, Salame & Azar, 2013: 89.

Type specimen(s). H (♀): AMNH Bu-1374 (AMNH). P (♀): AMNH Bu-954 (AMNH).

Tribe Phlebotomini Rondani, 1840

Subtribe Phlebotomina Rondani, 1840

3.383 Genus *Phlebotomus* Rondani & Berte, 1840

Phlebotomus Rondani & Berte, in: Rondani, 1840: 12. Type species: *Bibio papatasi* Scopoli, 1786.

476) *Phlebotomus vetus* Stebner *et al.*, 2015

Phlebotomus vetus Stebner *et al.*, 2015: 20.

Type specimen(s). H (♂): SMF Be 2533 (SMF).

Subfamily Trichomyiinae Tonnoir, 1922

3.384 Genus *Axenotrichomyia* Azar, Huang, Cai & Nel, 2015

Axenotrichomyia Azar, Huang, Cai & Nel, 2015: 51. Type species: *Axenotrichomyia boisteli* Azar, Huang, Cai & Nel, 2015.

477) *Axenotrichomyia boisteli* Azar, Huang, Cai & Nel, 2015

Axenotrichomyia boisteli Azar, Huang, Cai & Nel, 2015: 52.

Type specimen(s). H (♂): NIGP161238 (NIGP).

Subfamily *incertae sedis*

3.385 Genus *Bamara* Stebner *et al.*, 2015

Bamara Stebner *et al.*, 2015: 23. Type species: *Bamara groehni* Stebner *et al.*, 2015.

478) *Bamara groehni* Stebner *et al.*, 2015

Bamara groehni Stebner *et al.*, 2015: 24.

Type specimen(s). H (♂): GPIH no. 4417 (GPIH).

Infraorder Ptychopteromorpha Wood & Borkent, 1986

Family Tanyderidae Osten-Sacken, 1879

3.386 Genus *Similinannotanyderus* Dong, Shih & Ren, 2015

Similinannotanyderus Dong, Shih & Ren, 2015: 261. Type species: *Similinannotanyderus lii* Dong, Shih & Ren, 2015.

479) *Similinannotanyderus lii* Dong, Shih & Ren, 2015

Similinannotanyderus lii Dong, Shih & Ren, 2015: 262.

Type specimen(s). H (♂): CNU-DIPMA2014001 (CNU).

3.387 Genus *Dacochile* Poinar & Brown, 2004

Dacochile Poinar & Brown, 2004a: 341. Type species: Type species: *Dacochile microsoma* Poinar & Brown, 2004.

480) *Dacochile microsoma* Poinar & Brown, 2004

Dacochile microsoma Poinar & Brown, 2004a: 341.

Type specimen(s). H (♀): #B-D-12 (PACO).

Infraorder Tipulomorpha Gistel, 1848

Superfamily Eoptychoptera Rohdendorf, 1962

Family Eoptychopterae Osten-Sacken, 1862

3.388 Genus *Leptychoptera* Lukashevich & Azar, 2003

Leptychoptera Lukashevich & Azar, 2003: 196. Type species: *Leptychoptera dimkina* Lukashevich & Azar, 2003.

Subgenus *Leptychoptera (Burmaptychoptera)* Lukashevich, 2004

Leptychoptera (Burmaptychoptera) Lukashevich, 2004: 360. Type species: *Leptychoptera (Burmaptychoptera) reburra* Lukashevich, 2004.

481) *Leptychoptera (Burmaptychoptera) calva* Lukashevich, 2004

Leptychoptera (Burmaptychoptera) calva Lukashevich, 2004: 361.

Type specimen(s). H: AMNH Bu1274 (AMNH).

482) *Leptychoptera (Burmaptychoptera) reburra* Lukashevich, 2004

Leptychoptera (Burmaptychoptera) reburra Lukashevich, 2004: 361.

Type specimen(s). H: AMNH Bu003 (AMNH).

Superfamily Tipuloidea Latreille, 1802

Family Limoniidae Speiser, 1909

3.389 Genus *Drinosa* Podenas & Poinar, 2009

Drinosa Podenas & Poinar, 2009: 471. Type species: *Drinosa prisca* Podenas & Poinar, 2009.

483) *Drinosa prisca* Podenas & Poinar, 2009

Drinosa prisca Podenas & Poinar, 2009: 473.

Type specimen(s). H (♂): # BD- 10 U (PACO). P (1♂ 1♀): B- D-10, #05 (♂), B- D-10, #11(♀) (PACO).

3.390 Genus *Lebania* Podenas & Poinar, 2001

Lebania Podenas & Poinar, 2001: 433. Type species: *Lebania levantia* Podenas & Poinar, 2001.

484) *Lebania scomax* Podenas & Poinar, 2009

Lebania scomax Podenas & Poinar, 2009: 476.

Type specimen(s). H (♂): # B- D-10 #20 (PACO).

3.391 Genus *Rhabdomastix* Skuse, 1890

Rhabdomastix Skuse, 1890: 828. Type species: *Rhabdomastix osten-sackeni* Skuse, 1890.

485) *Rhabdomastix jarzembowskii* Krzeminski, 2004

Rhabdomastix (Palaeogonomyia) jarzembowskii Krzeminski, 2004: 124.

Rhabdomastix jarzembowskii Podenas, 2006: 51.

Type specimen(s). H (♂): NHML In. 20155 (NHML).

Subfamily Chioneinae Rondani, 1861**3.392 Genus *Burmoptera* Podenas & Poinar, 2009**

Burmoptera Podenas & Poinar, 2009: 478. Type species: *Burmoptera azu* Podenas & Poinar, 2009.

486) *Burmoptera azu* Podenas & Poinar, 2009

Burmoptera azu Podenas & Poinar, 2009: 480.

Type specimen(s). H (♂): # B- D-10,16 (PACO).

3.393 Genus *Limnophila* Macquart, 1834

Limnophila Macquart, 1834: 53. Type species: *Limnophila pictipennis* Meigen, 1818.

SubGenus *Limnophila* (*Burmolimnophila*) Podenas & Poinar, 2009

Limnophila (*Burmolimnophila*) Podenas & Poinar, 2009: 481. Type species: *Limnophila* (*Burmolimnophila*) *bora* Poinar & Brown, 2009.

487) *Limnophila* (*Burmolimnophila*) *bora* Podenas & Poinar, 2009

Limnophila (*Burmolimnophila*) *bora* Podenas & Poinar, 2009: 483.

Type specimen(s). H (♂): # B- D-10 #03 (PACO).

Subfamily Limnophilinae Bigot, 1854**3.394 Genus *Austrolimnophila* Alexander, 1920**

Austrolimnophila Alexander, 1920: 33. Type species: *Limnophila eutaeniata* Bigot, 1888.

Subgenus *Austrolimnophila* (*Austrolimnophila*) Alexander, 1920

Austrolimnophila (*Austrolimnophila*) Alexander, 1920: 33. Type species: *Limnophila eutaeniata* Bigot, 1888.

488) *Austrolimnophila* (*Austrolimnophila*) *joana* Podenas & Poinar, 2009

Austrolimnophila (*Austrolimnophila*) *joana* Podenas & Poinar, 2009: 484.

Type specimen(s). H (♀): # B- D-10 #17 (PACO).

Subfamily Limoniinae Speiser, 1909**3.395 Genus *Antocha* Osten Sacken, 1860**

Antocha Osten Sacken, 1860: 219. Type species: *Antocha saxicola* Osten Sacken, 1860.

489) ?*Antocha lapra* Podenas & Poinar, 2009

?*Antocha lapra* Podenas & Poinar, 2009: 487.

Type specimen(s). H (♂): # B -D-10 #12 (PACO).

3.396 Genus *Dicranoptycha* Osten Sacken, 1860

Dicranoptycha Osten Sacken, 1860: 217. Type species: *Dicranoptycha germana* Osten Sacken, 1860.

490) *Dicranoptycha burmitica* Kania & Szwedo, 2014

Dicranoptycha burmitica Kania & Szwedo, 2014: 525.

Type specimen(s). H (♂): NIGP156981 (NIGP).

491) *Dicranoptycha fragmentata* Krzeminski, 2004

Dicranoptycha fragmentata Krzeminski, 2004: 123.

Type specimen(s). H (?): NHML In.2017 1 (NHML). The holotype preserves only a single entire wing and fragments of leg.

492) *Dicranoptycha plicativa* Gao, Shih & Ren, 2015

Dicranoptycha plicativa Gao, Shih & Ren, 2015: 44.

Type specimen(s). H (♂): CNU-DIP-MA2015002 (CNU).

3.397 Genus *Helius* Lepelletier & Serville, 1828

Helius Lepelletier & Serville, in: Latreille *et al.*, 1828: 655. Type species: *Helius longirostris* (Meigen, 1818).

493) *Helius krzeminskii* Ribeiro, 2003

Helius krzeminskii Ribeiro, 2003: 404.

Type specimen(s). H: AMNH Bu-136 (AMNH).

3.398 Genus *Trentepohlia* Bigot, 1854

Trentepohlia Bigot, 1854: 456, 473. Type species: *Limnobia limnobioides* Bigot, 1854.

Subgenus *Trentepohlia* (*Paramongoma*) Brunetti, 1911

Trentepohlia (*Paramongoma*) Brunetti, 1911: 295. Type species: *Cylindrotoma albitarsis* Doleschall, 1857.

494) *Trentepohlia* (*Paramongoma*) *dzeura* Podenas & Poinar, 2009

Trentepohlia (*Paramongoma*) *dzeura* Podenas & Poinar, 2009: 490.

Type specimen(s). H (♂): # B- D-10 #09 (PACO).

Suborder Brachycera Zetterstedt, 1842

Family Eremochaetidae Ussatchov, 1968

3.399 Genus *Zhenia* Zhang *et al.*, 2016

Zhenia Zhang *et al.*, 2016a: 2. Type species: *Zhenia xiai* Zhang *et al.*, 2016.

495) *Zhenia xiai* Zhang *et al.*, 2016

Zhenia xiai Zhang *et al.*, 2016a: 2.

Type specimen(s). H (♀): BA02-15001 (LAMS). P (2♀): NIGP163430 (NIGP), BA02-15003 (LAMS).

Infraorder Stratiomyomorpha Latreille, 1802

Family Zhangsolvidae Nagatomi & Yang, 1998

3.400 Genus *Cratomyia* Mazzarolo & Amorim, 2009

Cratomyia Mazzarolo & Amorim, 2000: 94. Type species: *Cratomyia macrorrhyncha* Mazzarolo & Amorim, 2000.

496) *Cratomyia mimetica* Grimaldi, 2016

Cratomyia mimetica Grimaldi, 2016: 8.

Type specimen(s). H (♀): AMNH Bu-SD1 (AMNH).

3.401 Genus *Linguatormyia* Grimaldi, 2015

Linguatormyia Grimaldi, 2015: 251. Type species: *Linguatormyia teletacta* Grimaldi, 2015.

497) *Linguatormyia teletacta* Grimaldi, 2015*Linguatormyia teletacta* Grimaldi, 2015: 251.

Type specimen(s). H: AMNH Bu-SE13 (AMNH).

Family Xylomyidae Verrall, 1901**3.402 Genus *Archosolva* Grimaldi, 2016***Archosolva* Grimaldi, 2016: 14. Type species: *Archosolva biceps* Grimaldi, 2016.**498) *Archosolva biceps* Grimaldi, 2016***Archosolva biceps* Grimaldi, 2016: 14.

Type specimen(s). H (♀): JZC Bu-257 (JAC).

499) *Archosolva sulcata* Grimaldi, 2016*Archosolva sulcata* Grimaldi, 2016: 16.

Type specimen(s). H (♀): JZC Bu-208 (JAC).

3.403 Genus *Cretasolva* Grimaldi, 2016*Cretasolva* Grimaldi, 2016: 12. Type species: *Cretasolva burmitica* Grimaldi, 2016.**500) *Cretasolva burmitica* Grimaldi, 2016***Cretasolva burmitica* Grimaldi, 2016: 12.

Type specimen(s). H (♀): AMNH Bu-SE05 (AMNH).

Family Stratiomyidae Latreille, 1802**3.404 Genus *Normyia* Grimaldi, 2016***Normyia* Grimaldi, 2016: 20. Type species: *Normyia woodleyi* Grimaldi, 2016.**501) *Normyia woodleyi* Grimaldi, 2016***Normyia woodleyi* Grimaldi, 2016: 21.

Type specimen(s). H (♂): AMNH Bu-SE04B (AMNH). P: (♂) AMNH Bu-SE04A (AMNH); (♀) JZC Bu-001 (JZC).

502) *Normyia telescopica* Grimaldi, 2016*Normyia telescopica* Grimaldi, 2016: 23.

Type specimen(s). H (♀): JZC Bu-104 (JZC).

503) *Normyia longistyli* Grimaldi, 2016*Normyia longistyli* Grimaldi, 2016: 25.

Type specimen(s). H (♂): AMNH Bu-SE021 (AMNH).

3.405 Genus *Narcissomyia* Grimaldi, 2016*Narcissomyia* Grimaldi, 2016: 27. Type species: *Narcissomyia bella* Grimaldi, 2016.**504) *Narcissomyia bella* Grimaldi, 2016***Narcissomyia bella* Grimaldi, 2016: 28.

Type specimen(s). H (♂): AMNH Bu-SE3/1 (AMNH). P: (♀) AMNH Bu-Pk1 (AMNH).

Infraorder Tabanomorpha Hennig, 1948

3.406 Genus *Atherhagiox* Grimaldi, 2016

Atherhagiox Grimaldi, 2016: 35. Type species: *Atherhagiox ambiguum* Grimaldi, 2016.

505) *Atherhagiox ambiguum* Grimaldi, 2016

Atherhagiox ambiguum Grimaldi, 2016: 36.

Type specimen(s). H (♀): JZC Bu-248 (JAC).

506) *Atherhagiox simulans* Grimaldi, 2016

Atherhagiox simulans Grimaldi, 2016: 38.

Type specimen(s). H (♀): AMNH Bu-SE2/3 (AMNH).

3.407 Genus *Galloatherix* Nel *et al.*, 2014

Galloatherix Nel *et al.*, 2014: 592. Type Species: *Galloatherix incompletus* Nel *et al.*, 2014.

507) *Galloatherix completus* Grimaldi, 2016

Galloatherix completus Grimaldi, 2016: 39.

Type specimen(s). H (♀): AMNH Bu-SE2/5a (AMNH). P: (♂) AMNH Bu-SE2/5b (AMNH).

3.408 Genus *Palaepangonius* Ren, 1988

Palaepangonius Ren, 1998: 66. Type species: *Palaepangonius eupterus* Ren, 1998.

Athericites Mostovski, Jarzembowski & Coram, 2003: 165. Type species: *Athericites gordonii* Mostovski, Jarzembowski & Coram, 2003.

508) *Palaepangonius glossa* Grimaldi, 2016

Palaepangonius glossa Grimaldi, 2016: 33.

Type specimen(s). H (♀): JZC Bu-248 (JAC).

Family Tabanidae Latreille, 1802

3.409 Genus *Cratotabanus* Martins-Neto & Kucera-Santos, 1994

Cratotabanus Martins-Neto & Kucera-Santos, 1994: 291. Type species: Unknown.

509) *Cratotabanus asiaticus* Grimaldi, 2016

Cratotabanus asiaticus Grimaldi, 2016: 45.

Type specimen(s). H (♀): AMNH Bu-SE3/2 (AMNH).

3.410 Genus *Tabanipriscus* Grimaldi, 2016

Tabanipriscus Grimaldi, 2016: 43. Type Species: *Tabanipriscus transitivus* Grimaldi, 2016.

510) *Tabanipriscus transitivus* Grimaldi, 2016

Tabanipriscus transitivus Grimaldi, 2016: 43.

Type specimen(s). H (♀): AMNH Bu-SE2/10 (AMNH).

Infraorder Asilomorpha Rohdendorf, 1961

Superfamily Asiloidea Latreille, 1802

Family Apsilocephalidae Nagatomi *et al.*, 1991

3.411 Genus *Burmapsilocephala* Gaimari & Mostovski, 2000

Burmapsilocephala Gaimari & Mostovski, 2000: 43. Type species: *Burmapsilocephala cockerelli* Gaimari & Mostovski, 2000.

511) *Burmapsilocephala cockerelli* Gaimari & Mostovski, 2000

Burmapsilocephala cockerelli Gaimari & Mostovski, 2000: 43.

Type specimen(s). H: In.20167 (NHML).

512) *Burmapsilocephala evocoa* Grimaldi, 2016

Burmapsilocephala evocoa Grimaldi, 2016: 77.

Type specimen(s). H (♂): AMNH Bu-SE2/4 (AMNH).

3.412 Genus *Kumaromyia* Grimaldi & Hauser, 2011

Kumaromyia Grimaldi & Hauser, 2011: 317. Type species: *Kumaromyia burmitica* Grimaldi & Hauser, 2011.

513) *Kumaromyia burmitica* Grimaldi & Hauser, 2011

Kumaromyia burmitica Grimaldi & Hauser, 2011: 317.

Type specimen(s). H (♀): AMNH Bu-131 (AMNH).

Family Apystomyiidae Melander, 1950**3.413 Genus *Hilarimorphites* Grimaldi & Cumming, 1999**

Hilarimorphites Grimaldi & Cumming, 1999: 21. Type species: *Hilarimorphites burmanica* Grimaldi & Cumming, 2011.

514) *Hilarimorphites cummingi* Grimaldi, 2016

Hilarimorphites cummingi Grimaldi, 2016: 90.

Type specimen(s). H (♀): JZC Bu-177 (JZC).

515) *Hilarimorphites burmanica* Grimaldi & Cumming, 2011

Hilarimorphites burmanica Grimaldi & Cumming, 2011: 320.

Type specimen(s). H (♀): AMNH Bu-098 (AMNH).

Family Asilidae Latreille, 1802**3.414 Genus *Burmapogon* Dikow & Grimaldi, 2014**

Burmapogon Dikow & Grimaldi, 2014: 3. Type species: *Burmapogon bruckschi* Dikow & Grimaldi, 2014.

516) *Burmapogon bruckschi* Dikow & Grimaldi, 2014

Burmapogon bruckschi Dikow & Grimaldi, 2014: 3.

Type specimen(s). H (♂): AMNH-Bu-KB1(JZC). P (♀): AMNH-JZBu-163 (JZC).

Family Bombyliidae Latreille, 1802**3.415 Genus *Endymiomyia* Grimaldi, 2016**

Endymiomyia Grimaldi, 2016: 72. Type species: *Endymiomyia quadra* Grimaldi, 2016.

517) *Endymiomyia quadra* Grimaldi, 2016

Endymiomyia quadra Grimaldi, 2016: 73.

Type specimen(s). H (♂): JZC Bu-209 (JZC).

3.416 Genus *Nealimyia* Grimaldi, 2016

Nealimyia Grimaldi, 2016: 64. Type species: *Nealimyia evenhuisi* Grimaldi, 2016.

518) *Nealimyia evenhuisi* Grimaldi, 2016

Nealimyia evenhuisi Grimaldi, 2016: 64.

Type specimen(s). H (♀): AMNH Bu-SE2/7 (AMNH).

3.417 Genus *Pioneeria* Grimaldi, 2016

Pioneeria Grimaldi, 2016: 67. Type species: *Pioneeria bombylia* Grimaldi, 2016.

519) *Pioneeria bombylia* Grimaldi, 2016

Pioneeria bombylia Grimaldi, 2016: 67.

Type specimen(s). H: AMNH Bu-SE2/9 (AMNH).

3.418 Genus *Procrocidium* Grimaldi, 2016

Procrocidium Grimaldi, 2016: 69. Type species: *Procrocidium minutum* Grimaldi, 2016.

520) *Procrocidium minutum* Grimaldi, 2016

Procrocidium minutum Grimaldi, 2016: 70.

Type specimen(s). H (♀): JZC Bu-098 (JZC).

Family Mythicomyiidae Melander, 1902

3.419 Genus *Microburmyia* Grimaldi & Cumming, 2011

Microburmyia Grimaldi & Cumming, 2011: 312. Type species: *Microburmyia analvena* Grimaldi & Cumming, 2011.

521) *Microburmyia analvena* Grimaldi & Cumming, 2011

Microburmyia analvena Grimaldi & Cumming, 2011: 313.

Type specimen(s). H (♂): KU Bu079 (KUC).

522) *Microburmyia veanalvena* Grimaldi & Cumming, 2011

Microburmyia veanalvena Grimaldi & Cumming, 2011: 315.

Type specimen(s). H (♂): AMNH Bu1552 (AMNH).

Family Therevidae Newman, 1835

3.420 Genus *Psilocephala* Zetterstedt, 1838

Psilocephala Zetterstedt, 1838: 525. Type species: *Bibio imberbis* (Fallén, 1814).

523) *Psilocephala electrella* Cockerell, 1920

Psilocephala electrella Cockerell, 1920a: 169.

Type specimen(s). H: NHML In.20148 (NHML).

Superfamily Empidoidea Chvála, 1983

Family Hybotidae Meigen, 1820

3.421 Genus *Electrocyrtoma* Cockerell, 1917

Electrocyrtoma Cockerell, 1917e: 22. Type species: *Electrocyrtoma burmanicum* Cockerell, 1917.

524) *Electrocyrtoma burmanicum* Cockerell, 1917

Electrocyrtoma burmanicum Cockerell, 1917e: 22.

Type specimen(s). H: NHML In.19099 (NHML).

Family Empididae Latreille, 1804**3.422 Genus *Burmitempis* Cockerell, 1917**

Burmitempis Cockerell, 1917a: 367. Type species: *Burmitempis halteralis* Cockerell, 1917.

525) *Burmitempis halteralis* Cockerell, 1917

Burmitempis halteralis Cockerell, 1917a: 367.

Type specimen(s). H: NHML In.19121 (NHML).

Superfamily Nemestrinoidea Macquart, 1834**Family Acroceridae Leach, 1815****3.423 Genus *Schlingeromyia* Grimaldi & Hauser, 2011**

Schlingeromyia Grimaldi & Hauser, 2011: 307. Type species: *Burmapogon bruckschi* Dikow & Grimaldi, 2014.

526) *Schlingeromyia minuta* Grimaldi & Hauser, 2011

Schlingeromyia minuta Grimaldi & Hauser, 2011: 308.

Type specimen(s). H (♂): AMNH Bu332a (AMNH). P (?): AMNH Bu332b (AMNH).

3.424 Genus *Burmacyrtus* Grimaldi & Hauser, 2011

Burmacyrtus Grimaldi & Hauser, 2011: 310. Type species: *Burmacyrtus rusmithi* Grimaldi & Hauser, 2011.

527) *Burmacyrtus rusmithi* Grimaldi & Hauser, 2011

Burmacyrtus rusmithi Grimaldi & Hauser, 2011: 311.

Type specimen(s). H (♂): AMNH Bu-RS1 (AMNH).

Family Nemestrinidae Macquart, 1834**3.425 Genus *Hirmoneura* Meigen, 1820**

Hirmoneura Meigen, 1820: 132. Type species: *Hirmoneura obscura* (Wiedemann, 1820).

528) *Hirmoneura caudiprima* Grimaldi, 2016

Hirmoneura caudiprima Grimaldi, 2016: 50.

Type specimen(s). H (♀): AMNH Bu-SE17 (AMNH).

529) *Hirmoneura* aff. *richterae* Mostovski & Delclòs, 2000

Hirmoneura aff. *richterae* Mostovski & Delclòs, 2000: 142.

Type specimen(s). H (♀): HP-B-6084 (NIGP).

530) *Hirmoneura zigrasi* Grimaldi, 2016

Hirmoneura zigrasi Grimaldi, 2016: 52.

Type specimen(s). H (♀): JZC Bu-169 (JAC).

Family Rhagionemestriidae Ussatchov, 1968

3.426 Genus *Jurassinemestrinus* Zhang, 2010

Jurassinemestrinus Zhang, 2010: 313. Type species: *Jurassinemestrinus orientalis* Zhang, 2010.

531) *Jurassinemestrinus eurema* Grimaldi, 2016

Jurassinemestrinus eurema Grimaldi, 2016: 55.

Type specimen(s). H (♂): AMNH Bu-SE3/3 (AMNH).

Infraorder Tabanomorpha Hennig, 1948

Superfamily Stratiomyoidea Hendel, 1928

Family Stratiomyidae Latreille, 1802

3.427 Genus *Lysistrata* Grimaldi *et al.*, 2011

Lysistrata Grimaldi *et al.*, 2011: 296. Type species: *Lysistrata emerita* Grimaldi *et al.*, 2011.

532) *Lysistrata burmensis* Liu, Cai & Huang, 2016

Lysistrata burmensis Liu, Cai & Huang, 2016: 143.

Type specimen(s). H (♀): NIGP164040 (NGIP); allotype (♂): NIGP164891 (NGIP).

Family *incertae sedis*

3.428 Genus *Pseudorhagio* Zhang, Zhang & Wang, 2016

Pseudorhagio Zhang, Zhang & Wang, 2016: 3. Type species: *Pseudorhagio zhangi* Zhang, Zhang & Wang, 2016.

533) *Pseudorhagio zhangi* Zhang, Zhang & Wang, 2016

Pseudorhagio zhangi Zhang, Zhang & Wang, 2016: 3.

Type specimen(s). H: NIGP164490 (NIGP). P (?): NIGP164491 (NIGP).

3.429 Genus *Myanmyia* Grimaldi, 2011

Myanmyia Grimaldi, 2011: 326. Type species: *Myanmyia asteiformia* Grimaldi, 2011.

534) *Myanmyia asteiformia* Grimaldi, 2011

Myanmyia asteiformia Grimaldi, 2011: 327.

Type specimen(s). H (♀): AMNH Bu1616 (AMNH).

Order Trichoptera Kirby, 1815

Suborder Annulipalpia Martynov, 1924

Superfamily Hydropsychoidea Curtis, 1835

Family Polycentropodidae Ulmer, 1906

3.430 Genus *Neureclipsis* McLachlan, 1864

Neureclipsis McLachlan, 1864: 30. Type species: *Phryganea bimaculata* (Linnaeus, 1758).

535) *Neureclipsis burmanica* Wichard & Wang, 2016

Neureclipsis burmanica Wichard & Wang, 2016: 132.

Type specimen(s). H (♂): SMNS Bu-173 (SMNS).

Family Psychomyiidae Kolenati, 1859

3.431 Genus *Palerasnitsynus* Wichard, Ross & Ross, 2011

Palerasnitsynus Wichard, Ross & Ross, 2011: 324. Type specie: *Palerasnitsynus ohlhoffi* Wichard, Ross & Ross, 2011.

536) *Palerasnitsynus ohlhoffi* Wichard, Ross & Ross, 2011

Palerasnitsynus ohlhoffi Wichard, Ross & Ross, 2011: 325.

Type specimen(s). H (♂): Specimen number not assigned (SMNS).

Superfamily Philopotamoidea Stephens, 1829

Family Philopotamidae Stephens, 1829

3.432 Genus *Wormaldia* McLachlan, 1865

Wormaldia McLachlan, 1865: 140. Type species: *Hydropsyche occipitalis* Pictet, 1834.

537) *Wormaldia cretacea* Wichard & Wang, 2016

Wormaldia cretacea Wichard & Wang, 2016: 130.

Type specimen(s). H (♂): NIGP156999 (NIGP).

538) *Wormaldia resina* Wichard & Wang, 2016

Wormaldia resina Wichard & Wang, 2016: 131.

Type specimen(s). H (♂): NIGP157000 (NIGP).

539) *Wormaldia myanmari* Wichard & Poinar, 2005

Wormaldia myanmari Wichard & Poinar, 2005: 133.

Type specimen(s). H (♂): Specimen number not assigned (PACO).

Suborder Spicipalpia Weaver, 1984

Superfamily Hydroptiloidea Stephens, 1836

Family Hydroptilidae Stephens, 1836

3.433 Genus *Burminoptila* Botosaneanu, 1981

Burminoptila Botosaneanu, 1981: 75. Type species: *Burminoptila bemeneha* Botosaneanu, 1981.

540) *Burminoptila bemeneha* Botosaneanu, 1981

Burminoptila bemeneha Botosaneanu, 1981: 77.

Type specimen(s). H (♀): NHML In. 20180 (NHML).

Order Lepidoptera Linnaeus, 1758

Suborder Zeugloptera Chapman, 1917

Superfamily Micropterigoidea Herrich-Schaeffer, 1855

Family Micropterigidae Cotes, 1889

3.434 Genus *Sabatinca* Walker, 1863

Sabatinca Walker, 1863: 511. Type species: *Sabatinca incongruella* Walker, 1863.

541) *Sabatinca perveta* (Cockerell, 1919)

Micropteryx pervetus Cockerell, 1919b: 193.

Sabatinca perveta: Whalley, 1977: 576.

Type specimen(s). H: NHML In.19135 (NHML).

Order Hymenoptera Linnaeus, 1758

Family Syspastroxyelidae Engel & Huang, 2016

3.435 Genus *Syspastroxyela* Engel & Huang, 2016

Syspastroxyela Engel & Huang, 2016e: 283. Type species: *Syspastroxyela raphidia* Engel & Huang, 2016.

542) *Syspastroxyela raphidia* Engel & Huang, 2016

Syspastroxyela raphidia Engel & Huang, 2016e: 283.

Type specimen(s). H (♀): NIGP 163252 (NIGP).

Suborder Apocrita Gerstaecker, 1867

Superfamily Apoidea Latreille, 1802

Family Apidae Latreille, 1802

3.436 Genus *Tetragonula* Moure, 1961

Tetragonula Moure, 1961: 206. Type species: *Trigona iridipennis* Smith, 1854.

543) *Tetragonula devicta* (Cockerell, 1921)

Meliponorytes (?) *devictus* Cockerell, 1921: 544.

Trigona (*Tetragonula*) *devicta*: Kerr & Maule, 1964: 72.

Tetragonula devicta: Kerr & Maule, 1978: 564.

Type specimen(s). Unkown.

Family Melittosphecidae Poinar & Danforth, 2006

3.437 Genus *Melittosphex* Poinar & Danforth, 2006

Melittosphex Poinar & Danforth, 2006: 614. Type species: *Melittosphex burmensis* Poinar & Danforth, 2006: 614.

544) *Melittosphex burmensis* Poinar & Danforth, 2006

Melittosphex burmensis Poinar & Danforth, 2006: 614.

Type specimen(s). H (♂): no. B-hy-7 (PACO).

Family Sphecidae Latreille, 1802

3.438 Genus *Trigampulex* Antropov, 2000

Trigampulex Antropov, 2000: 70. Type species: *Trigonalys pervetus* Cockerell, 1917.

545) *Trigampulex pervetus* (Cockerell, 1917)

Trigonalys pervetus Cockerell, 1917c: 70.

Trigampulex pervetus: Antropov, 2000: 70.

Type specimen(s). H: NHML In.19093 (NHML).

Subfamily Ampulicinae Shuckard, 1840

Tribe Apodolichurini Antropov, 2000

3.439 Genus *Apodolichurus* Antropov, 2000

Apodolichurus Antropov, 2000: 64. Type species: *Apodolichurus sphaerocephalus* Antropov, 2000.

546) *Apodolichurus diaphanus* Antropov, 2000

Apodolichurus diaphanus Antropov, 2000: 65.

Type specimen(s). H: In.19123(4) (NHML).

547) *Apodolichurus sphaerocephalus* Antropov, 2000

Apodolichurus sphaerocephalus Antropov, 2000: 65.

Type specimen(s). H (♀): In.20150 (NHML).

Tribe Cretampulicini Antropov, 2000

3.440 Genus *Cretampulex* Antropov, 2000

Cretampulex Antropov, 2000: 66. Type species: *Cretampulex gracilis* Antropov, 2000.

548) *Cretampulex gracilis* Antropov, 2000

Cretampulex gracilis Antropov, 2000: 67.

Type specimen(s). H (♀): In.19123(5) (NHML).

Tribe Mendampulicini Antropov, 2000

3.441 Genus *Mendampulex* Antropov, 2000

Mendampulex Antropov, 2000: 68. Type species: *Mendampulex monilicularis* Antropov, 2000.

549) *Mendampulex monilicularis* Antropov, 2000

Mendampulex monilicularis Antropov, 2000: 69.

Type specimen(s). H (♀): In.20711 (NHML).

Subfamily Burmastatinae Antropov, 2000

3.442 Genus *Burmastatus* Antropov, 2000

Burmastatus Antropov, 2000: 60. Type species: *Burmastatus triangularis* Antropov, 2000.

550) *Burmastatus triangularis* Antropov, 2000

Burmastatus triangularis Antropov, 2000: 60.

Type specimen(s). H (♀): In. 20197 (NHML).

Subfamily Cirrosphecinae Antropov, 2000

3.443 Genus *Cirrosphecx* Antropov, 2000

Cirrosphecx Antropov, 2000: 62. Type Species. *Cirrosphecx admirabilis* Antropov, 2000.

551) *Cirrosphecx admirabilis* Antropov, 2000

Cirrosphecx admirabilis Antropov, 2000: 62.

Type specimen(s). H (♂): In. 19125(1) (NHML).

Subfamily Pemphredoninae Dahlbom, 1835

Tribe Pemphredonini Dahlbom 1835

3.444 Genus *Cretospilomena* Antropov, 2000

Cretospilomena Antropov, 2000: 73. Type species: *Cretospilomena familiaris* Antropov, 2000.

552) *Cretospilomena familiaris* Antropov, 2000

Cretospilomena familiaris Antropov, 2000: 74.

Type specimen(s). H (♀): In.19136(1) (NHML). P (8??): Eight males in various states of preservation, all in the same piece of amber as the holotype (In.19136).

3.445 Genus *Prolemistus* Antropov, 2000

Prolemistus Antropov, 2000: 72. Type species: *Prolemistus apiformis* Antropov, 2000.

553) *Prolemistus apiformis* Antropov, 2000

Prolemistus apiformis Antropov, 2000: 72.

Type specimen(s). H (♀): In. 20181 (NHML).

Superfamily Chrysidoidea Latreille, 1802

Family Bethylidae Forster, 1856

3.446 Genus *Apenesia* Westwood, 1874

Apenesia Westwood, 1874: 170. Type species: *Apenesia amazonica* Westwood, 1874.

554) *Apenesia electriphila* Cockerell, 1917

Apenesia electriphila Cockerell, 1917b: 44.

Type specimen(s). H (?♂): NHML In.19109 (NHML).

3.447 Genus *Bethylitella* Cockerell, 1917

Bethylitella Cockerell, 1917a: 365. Type species: *Bethylitella cylindrella* Cockerell, 1917.

555) *Bethylitella cylindrella* Cockerell, 1917

Bethylitella cylindrella Cockerell, 1917a: 367.

Type specimen(s). H(?): NHML In.19120 (NHML).

3.448 Genus *Epyris* Westwood, 1832

Epyris Westwood, 1832: 129. Type species: *Epyris niger* Westwood, 1832.

Calyzoa Westwood, *in*: Hope, 1837: 56. Type species: *Calyzoa staphylinoides* Hope, 1837.

Homoglenus Kieffer, 1904: 388. Type species: *Homoglenus punctatus* Kieffer, 1904.

Melanepyrus Kieffer, 1913: 108. Type species: *Epyris imicola* Kieffer, 1913.

Trissepyris Kieffer, 1905: 109. Type species: *Trissepyris ruficeps* Kieffer, 1905.

556) *Epyris atavellus* Cockerell, 1920

Epyris atavellus Cockerell, 1920b: 276.

Type specimen(s). H: NHML In.20149(1) (NHML).

3.449 Genus *Sclerodermus* Latreille, 1809

Sclerodermus Latreille, 1809: 4. Type species: *Sclerodermus domesticus* Klug, 1809.

557) *Sclerodermus quadridentatus* (Cockerell 1917)

Scleroderma (?) *quadridentatum* Cockerell, 1917b: 43.
Sclerodermus quadridentatus: Azevedo & Azar, 2012: 217.

Type specimen(s). H: NHML In.19116 (NHML).

Family Embolemidae Forster, 1856

3.450 Genus *Ampulicomorpha* Ashmead, 1893

Ampulicomorpha Ashmead, 1893: 79. Type species: *Ampulicomorpha confusa* Ashmead, 1893.

558) *Ampulicomorpha janzeni* Olimi, Rasnitsyn, Brothers & Guglielmino, 2014

Ampulicomorpha janzeni Olimi, Rasnitsyn, Brothers & Guglielmino, 2014: 3.

Type specimen(s). H (♀): SMNS-BU-21 (SMNS). P (♂): SMNS-BU-22 (SMNS).

Family Dryinidae Haliday, 1833

Subfamily Ponomarenkoinae Olmi, 2010

3.451 Genus *Ponomarenkoa* Olmi, 2010

Laberites Ponomarenko, 1988: 107. Type species: *Laberites polonicus* Ponomarenko, 1988.
Ponomarenkoa Olmi, 2010: 31. Type species: *Ponomarenkoa polonicus* (Ponomarenko, 1988).

559) *Ponomarenkoa ellenbergeri* Olmi, Xu & He, 2013

Ponomarenkoa ellenbergeri Olmi, Xu & He, 2013: 434.

Type specimen(s). H: Unknown (SMNS).

Subfamily Dryininae Haliday, 1833

3.452 Genus *Burmanteon* Engel, 2003

Burmanteon Engel, 2003a: 617. Type species: *Burmanteon olmii* Engel, 2003.

560) *Burmanteon olmii* Engel, 2003

Burmanteon olmii Engel, 2003a: 617.

Type specimen(s). H (♀): KU-NHM-ENT, Bu-002 (KUC).

3.453 Genus *Hybristodryinus* Engel, 2005

Hybristodryinus Engel, 2005: 486. Type species: *Hybristodryinus resinicolus* Engel, 2005.

561) *Hybristodryinus resinicolus* Engel, 2005

Hybristodryinus resinicolus Engel, 2005: 488.

Type specimen(s). H: KU-NHM-ENT Bu-023 (KUC).

3.454 Genus *Pseudodryinus* Olmi, 1991

Pseudodryinus Olmi, 1991: 365. Type species: *Thaumatodryinus townesi* Olmi, 1984.

562) *Pseudodryinus burmensis* Olimi, Xu & Guglielmino, 2014

Pseudodryinus burmensis Olimi, Xu & Guglielmino, 2014: 705.

Type specimen(s). H (♂): SMNS Bu-106 (SMNS).

Subfamily Burmadryininae Olimi, Xu & Guglielmino, 2014

3.455 Genus *Burmadryinus* Olimi, Xu & Guglielmino, 2014

Burmadryinus Olimi, Xu & Guglielmino, 2014: 709. Type species: *Burmadryinus cenomanianus* Olimi, Xu & Guglielmino, 2014.

563) *Burmadryinus cenomanianus* Olimi, Xu & Guglielmino, 2014

Burmadryinus cenomanianus Olimi, Xu & Guglielmino, 2014: 710.

Type specimen(s). H (♂): SMNS Bu-105 (SMNS).

Family Scolebythidae Evans, 1963

3.456 Genus *Cursoribythus* Cockx & McKellar, 2016

Cursoribythus Cockx & McKellar, 2016: 136. Type species: *Cursoribythus silvestris* Cockx & McKellar, 2016.

564) *Cursoribythus silvestris* Cockx & McKellar, 2016

Cursoribythus silvestris Cockx & McKellar, 2016: 137.

Type specimen(s). H (?♀): RSM specimen P3306.003 (RSM).

3.457 Genus *Siccibythus* Cockx & McKellar, 2016

Siccibythus Cockx & McKellar, 2016: 135. Type species: *Siccibythus musculosus* Cockx & McKellar, 2016.

565) *Siccibythus musculosus* Cockx & McKellar, 2016

Siccibythus musculosus Cockx & McKellar, 2016: 135.

Type specimen(s). H (♀): RSM specimen P3306.002 (RSM).

Superfamily Vespoidea Latreille, 1802

Family Tiphidae Leach, 1815

Subfamily Thanatotiphiinae Engel *et al.*, 2009

3.458 Genus *Thanatotiphia* Engel *et al.*, 2009

Thanatotiphia Engel *et al.*, 2009: 3. Type species: *Thanatotiphia nyx* Engel *et al.*, 2009.

566) *Thanatotiphia nyx* Engel *et al.*, 2009

Thanatotiphia nyx Engel *et al.*, 2009: 3.

Type specimen(s). H (♂): Bu-1573 (AMNH).

Family Sapygidae Latreille, 1810

Subfamily Cretosapyginae Bennett & Engel, 2005

3.459 Genus *Cretosapyga* Bennett & Engel, 2005

Cretosapyga Bennett & Engel, 2005: 2. Type species: *Cretosapyga resinicola* Bennett & Engel, 2005.

567) *Cretosapyga resinicola* Bennett & Engel, 2005

Cretosapyga resinicola Bennett & Engel, 2005: 3.

Type specimen(s). H (♂): KU-NHM-ENT-Bu022 (KUC).

Family Rhopalosomatidae Brues, 1922

3.460 Genus *Eorhopalosoma* Engel, 2008

Eorhopalosoma Engel, 2008b: 169. Type species: *Eorhopalosoma gorgyra* Engel, 2008.

568) *Eorhopalosoma gorgyra* Engel, 2008

Eorhopalosoma gorgyra Engel, 2008b: 171.

Type specimen(s). H (♂): Bu-222 (AMNH).

Family Pompilidae Latreille, 1804

Subfamily Pompilinae Latreille, 1805

Tribe Bryopompilini Engel & Grimaldi, 2006

3.461 Genus *Bryopompilus* Engel & Grimaldi, 2006

Bryopompilus Engel & Grimaldi, 2006b: 365. Type species: *Bryopompilus interfector* Engel & Grimaldi, 2006.

569) *Bryopompilus interfector* Engel & Grimaldi, 2006

Bryopompilus interfector Engel & Grimaldi, 2006b: 365.

Type specimen(s). H (♀): Bu-051 (AMNH).

Family Formicidae Latreille, 1802

Subfamily *incertae sedis*

3.462 Genus *Burmomyrmex* Dlussky, 1996

Burmomyrmex Dlussky, 1996: 453. Type species: *Burmomyrma rossi* Dlussky, 1996.

570) *Burmomyrma rossi* Dlussky, 1996

Burmomyrma rossi Dlussky, 1996: 453.

Type specimen(s). H: NHML. 19125 (NHML).

3.463 Genus *Camelomecia* Barden & Grimaldi, 2016

Camelomecia Barden & Grimaldi, 2016: 537. Type species: *Camelomecia janovitzii* Barden & Grimaldi, 2016.

571) *Camelomecia janovitzii* Barden & Grimaldi, 2016

Camelomecia janovitzii Barden & Grimaldi, 2016: 537.

Type specimen(s). H (♀): AMNH Bu-TJ003 (AMNH).

3.464 Genus *Myanmyrma* Engel & Grimaldi, 2005

Myanmyrma Engel & Grimaldi, 2005: 13. Type species: *Myanmyrma gracilis* Engel & Grimaldi, 2005.

572) *Myanmyrma gracilis* Engel & Grimaldi, 2005

Myanmyrma gracilis Engel & Grimaldi, 2005: 14.

Type specimen(s). H: AMNH Bu-014 (AMNH).

Additional materials. AMNH Bu-225, AMNH Bu-1509 (AMNH).

Subfamily Sphecomyrminae Wilson & Brown, 1967

Tribe Sphecomyrmini Wilson & Brown, 1967

3.465 Genus *Zigrasimecia* Barden & Grimaldi, 2013

Zigrasimecia Barden & Grimaldi, 2013: 407. Type species: *Zigrasimecia tonsora* Barden & Grimaldi, 2013.

573) *Zigrasimecia ferox* Perrichot, 2014

Zigrasimecia ferox Perrichot, 2014: 166.

Type specimen(s). H (♀): JWJ-Bu18a (JWJ). P (5♀): JWJ-Bu17, JWJ-Bu18b, JWJ-Bu18c, JWJ-Bu18d, JWJ-Bu23 (JWJ).

574) *Zigrasimecia tonsora* Barden & Grimaldi, 2013

Zigrasimecia tonsora Barden & Grimaldi, 2013: 407.

Type specimen(s). H (♀): JZC Bu-159 (JZC).

Tribe Haidomyrmecini Bolton, 2003

3.466 Genus *Ceratomyrmex* Perrichot, Wang & Engel, 2016

Ceratomyrmex Perrichot, Wang & Engel, 2016: 1468. Type species: *Ceratomyrmex ellenbergeri* Perrichot, Wang & Engel, 2016.

575) *Ceratomyrmex ellenbergeri* Perrichot, Wang & Engel, 2016

Ceratomyrmex ellenbergeri Perrichot, Wang & Engel, 2016: 1468.

Type specimen(s). H: NIGP164022 (NIGP). P (?): IGR. BU-002 (GDUR).

Additional materials. Specimen SEC-BU39.003, Specimen SEC-BU39.004(PCSE).

3.467 Genus *Haidoterminus* McKellar, Glasier & Engel, 2013

Haidoterminus McKellar, Glasier & Engel, 2013: 457. Type species: *Haidoterminus cippus* McKellar, Glasier & Engel, 2013.

576) *Haidoterminus cippus* McKellar, Glasier & Engel, 2013

Haidoterminus cippus McKellar, Glasier & Engel, 2013: 4578.

Type specimen(s). H (♀): UASM 332546 (UASM).

Tribe *incertae sedis*

3.468 Genus *Gerontofornica* Nel & Perrault, 2004

Gerontofornica Nel & Perrault, 2004: 24. Type species: *Gerontofornica cretacica* Nel & Perrault, 2004.

Sphecomyrmodus Engel & Grimaldi, 2005: 5. Type species: *Sphecomyrmodus orientalis* Engel & Grimaldi, 2005.

577) *Gerontofornica contegus* (Barden & Grimaldi, 2014)

Sphecomyrmodus contegus Barden & Grimaldi, 2014: 2.

Gerontofornica contegus: Barden & Grimaldi, 2016: 4.

Type specimen(s). H (♀): JZC Bu300A (JZC). P (?): JZC Bu115-A (JZC).

578) *Gerontofornica gracilis* (Barden & Grimaldi, 2014)

Sphecomyrmodus gracilis Barden & Grimaldi, 2014: 4.

Gerontofornica gracilis: Barden & Grimaldi, 2016: 4.

Type specimen(s). H (♀): JZC Bu324A (JZC). P (?): JZC Bu324B (JZC).

579) *Gerontofornica magnus* (Barden & Grimaldi, 2014)

Sphecomyrmodus magnus Barden & Grimaldi, 2014: 7.

Gerontofornica magnus: Barden & Grimaldi, 2016: 4.

Type specimen(s). H (♀): JZC Bu108A (JZC). P (?): JZC Bu114, JZC Bu343 (JZC).

580) *Gerontofornica maraudera* Barden & Grimaldi, 2016

Gerontofornica maraudera Barden & Grimaldi, 2016: 4.

Type specimen(s). H (♀): JCZ Bu1846 (AMNH).

581) *Gerontoformica orientalis* (Engel & Grimaldi, 2005)*Sphecomyrmodes orientalis* Engel & Grimaldi, 2005: 5.*Gerontoformica orientalis*: Barden & Grimaldi, 2016: 4.

Type specimen(s). H: AMNH Bu-351 (AMNH).

582) *Gerontoformica pilosus* (Barden & Grimaldi, 2014)*Sphecomyrmodes pilosus* Barden & Grimaldi, 2014: 10.*Gerontoformica pilosus*: Barden & Grimaldi, 2016: 4.

Type specimen(s). H (♀): JZC Bu225 (JZC).

583) *Gerontoformica robustus* (Barden & Grimaldi, 2014)*Sphecomyrmodes robustus* Barden & Grimaldi, 2014: 12.*Gerontoformica robustus*: Barden & Grimaldi, 2016: 4.

Type specimen(s). H (♀): JZC Bu223A (JZC). P (??): JZC Bu106, JZC Bu223B (JZC).

584) *Gerontoformica rugosus* (Barden & Grimaldi, 2014)*Sphecomyrmodes rugosus* Barden & Grimaldi, 2014: 15.*Gerontoformica rugosus*: Barden & Grimaldi, 2016: 4.

Type specimen(s). H (♀): JZC Bu1648 (JZC).

585) *Gerontoformica spiralis* (Barden & Grimaldi, 2014)*Sphecomyrmodes spiralis* Barden & Grimaldi, 2014: 16.*Gerontoformica spiralis*: Barden & Grimaldi, 2016: 4.

Type specimen(s). H (♀): JZC Bu222A (JZC). P (6??): JZC Bu224, JZC Bu111, JZC Bu301, JZC Bu112, JZC Bu105-A, JZC Bu302-A (JZC).

586) *Gerontoformica subcuspis* (Barden & Grimaldi, 2014)*Sphecomyrmodes subcuspis* Barden & Grimaldi, 2014: 17.*Gerontoformica subcuspis*: Barden & Grimaldi, 2016: 4.

Type specimen(s). H (♀): JZC Bu304 (JZC). P (??): JZC Bu305, JZC Bu121A (JZC).

587) *Gerontoformica tendir* (Barden & Grimaldi, 2014)*Sphecomyrmodes tendir* Barden & Grimaldi, 2014: 17.*Gerontoformica tendir*: Barden & Grimaldi, 2016: 4.

Type specimen(s). H (♀): JZC Bu303A (JZC). P (?): JZC Bu303B (JZC).

3.469 Genus *Haidomyrmex* Dlussky, 1996*Haidomyrmex* Dlussky, 1996: 449. Type Species: *Haidomyrmex cerberus* Dlussky, 1996.**588) *Haidomyrmex cerberus* Dlussky, 1996***Haidomyrmex cerberus* Dlussky, 1996: 452.

Type specimen(s). H (♀): NHML. 20182 (NHML).

589) *Haidomyrmex scimitarus* Barden & Grimaldi, 2012*Haidomyrmex scimitarus* Barden & Grimaldi, 2012: 4.

Type specimen(s). H (♀): AMNH #Bu-FB80 (AMNH).

590) *Haidomyrmex zigrasi* Barden & Grimaldi, 2012

Haidomyrmex zigrasi Barden & Grimaldi, 2012: 11.

Type specimen(s). H (♀): Specimen number not assigned (JZC).

Superfamily Ceraphronoidea Haliday, 1833

Family Stigmaphronidae Kozlov, 1975

3.470 Genus *Burmaphron* Engel & Grimaldi, 2009

Burmaphron Engel & Grimaldi, 2009: 59. Type species: *Burmaphron tridentatum* Engel & Grimaldi, 2009.

591) *Burmaphron prolatum* Engel & Grimaldi, 2009

Burmaphron prolatum Engel & Grimaldi, 2009: 60.

Type specimen(s). H: AMNH Bu-671 (AMNH).

592) *Burmaphron tridentatum* Engel & Grimaldi, 2009

Stigmaphronidae sp. Grimaldi *et al.*, 2002: 50.

Burmaphron tridentatum Engel & Grimaldi, 2009: 60.

Type specimen(s). H: AMNH Bu-677 (AMNH).

Superfamily Chalcidoidea Latreille, 1817

Family Mymaridae Haliday, 1833

3.471 Genus *Myanmymar* Huber, 2011

Myanmymar Huber, 2011: 462. Type species: *Myanmymar aresconoides* Huber, 2011.

593) *Myanmymar aresconoides* Huber, 2011

Myanmymar aresconoides Huber, 2011: 464.

Type specimen(s). H (♀): Specimen number not assigned (PACO).

Superfamily Evanioidea Latreille, 1802

Family Aulacidae Hedicke, 1939

3.472 Genus *Hyptiogastrites* Cockerell, 1917

Hyptiogastrites Cockerell, 1917e: 19. Type species: *Hyptiogastrites electrinus* Cockerell, 1917.

594) *Hyptiogastrites electrinus* Cockerell, 1917

Hyptiogastrites electrinus Cockerell, 1917e: 20.

Type specimen(s). H: In. 19098 (NHML).

Family Gasteruptiidae Ashmead, 1900

3.473 Genus *Electrofoenus* Cockerell, 1917

Electrofoenus Cockerell, 1917a: 364. Type species: *Electrofoenus gracilipes* Cockerell, 1917.

595) *Electrofoenus gracilipes* Cockerell, 1917

Electrofoenus gracilipes Cockerell, 1917a: 365.

Type specimen(s). H: NHML In.19117 (NHML).

3.474 Genus *Protofoenus* Cockerell, 1917

Protofoenus Cockerell, 1917e: 18. Type species: *Protofoenus swinhoei* Cockerell, 1917.

596) *Protofoenus swinhoei* Cockerell, 1917

Protofoenus swinhoei Cockerell, 1917e: 18.

Type specimen(s). H: NHML In.19091 (NHML).

Subfamily Hypselogastrinae Engel, 2016**3.475 Genus *Hypselogastrion* Engel, 2016**

Hypselogastrion Engel, 2016a: 179. Type species: *Hypselogastrion simplex* Engel & Wang, 2016.

597) *Hypselogastrion simplex* Engel & Wang, 2016

Hypselogastrion simplex Engel & Wang, 2016a: 179.

Type specimen(s). H (♂): NIGP 163537 (NIGP).

Family Praeaulacidae Rasnitsyn, 1972**Subfamily Praeaulacinae Rasnitsyn, 1972****3.476 Genus *Habraulacus* Li, Rasnitsyn, Shih & Ren, 2015**

Habraulacus Li, Rasnitsyn, Shih & Ren, 2015: 21. Type species: *Habraulacus zhaoi* Li, Rasnitsyn, Shih & Ren, 2015.

598) *Habraulacus zhaoi* Li, Rasnitsyn, Shih & Ren, 2015

Habraulacus zhaoi Li, Rasnitsyn, Shih & Ren, 2015: 21.

Type specimen(s). H (♂): CNU-HYM-MA-2014001 (CNU).

Family Othniodellithidae Engel & Huang, 2016**3.477 Genus *Othniodellitha* Engel & Huang, 2016**

Othniodellitha Engel & Huang, 2016g: 124. Type species: *Othniodellitha mantichora* Engel & Huang, 2016.

599) *Othniodellitha mantichora* Engel & Huang, 2016

Othniodellitha mantichora Engel & Huang, 2016g: 124.

Type specimen(s). H (♀): NIGP 163254 (NIGP).

Family Evaniidae Latreille, 1802**3.478 Genus *Cretevania* Rasnitsyn, 1975**

Cretevania Rasnitsyn, 1975: 24. Type species: *Cretevania minor* Rasnitsyn, 1975.

600) *Cretevania bechlyi* Jennings, Krogmann & Mew, 2013

Cretevania bechlyi Jennings, Krogmann & Mew, 2013: 92.

Type specimen(s). H (♀): SMNS BU-2 (SMNS).

3.479 Genus *Mesevania* Basibuyuk & Rasnitsyn, 2000

Mesevania Basibuyuk & Rasnitsyn, 2000: 54. Type species: *Mesevania swinhoei* Basibuyuk & Rasnitsyn, 2000.

601) *Mesevania swinhoei* Basibuyuk & Rasnitsyn, 2000

Mesevania swinhoei Basibuyuk & Rasnitsyn, 2000: 55.

Type specimen(s). H (♀): NHM In. 20192 (NHML).

3.480 Genus *Sorellevania* Engel, 2006

Sorellevania Engel, 2006: 446. Type species: *Sorellevania deansi* Engel, 2006.

602) *Sorellevania deansi* Engel, 2006

Sorellevania deansi Engel, 2006: 447.

Type specimen(s). H (♀): KU-NHM-ENT, Bu-058 (KUC).

Superfamily Ichneumonoidea Latreille, 1802

Family Braconidae Nees, 1811

Subfamily *incertae sedis*

3.481 Genus *Rhetinorhyssalus* Engel, 2016

Rhetinorhyssalus Engel, 2016a: 3. Type species: *Rhetinorhyssalus morticinus* Engel, 2016.

603) *Rhetinorhyssalus morticinus* Engel, 2016

Rhetinorhyssalus morticinus Engel, 2016a: 5.

Type specimen(s). H (♂): AMNH Bu-1424 (AMNH).

Subfamily Protorhyssalinae Basibuyuk *et al.*, 1999

3.482 Genus *Archaeorhyssalus* Engel, 2016

Archaeorhyssalus Engel, 2016: 30. Type species: *Archaeorhyssalus subsolanus* Engel, 2016.

604) *Archaeorhyssalus subsolanus* Engel, 2016

Archaeorhyssalus subsolanus Engel, 2016: 30.

Type specimen(s). H (♀): NIGP 163432 (NIGP).

Superfamily Megalyroidea Schletterer, 1889

Family Maimetshidae Rasnitsyn, 1975

3.483 Genus *Burmaimetsha* Perrichot, 2013

Burmaimetsha Perrichot, 2013: 69. Type species: *Burmaimetsha concava* Perrichot, 2013.

605) *Burmaimetsha concava* Perrichot, 2013

Burmaimetsha concava Perrichot, 2013: 70.

Type specimen(s). H (♂): JV-Bu-Hym01 (SMNS). P (♀): JV-Bu-Hym02 (SMNS).

3.484 Genus *Maimetshasia* Perrichot, 2013

Maimetshasia Perrichot, 2013: 73. Type species: *Maimetshasia kachinensis* Perrichot, 2013.

606) *Maimetshasia kachinensis* Perrichot, 2013

Maimetshasia kachinensis Perrichot, 2013: 73.

Type specimen(s). H (♂): JWJ-Bu-Hym37 (SMNS).

Superfamily Mymarommaioidea Debauche, 1948

Family Mymarommatidae Debauche, 1948**3.485 Genus *Archaeromma* Yoshimolo, 1975**

Archaeromma Yoshimolo, 1975: 503. Type species: *Ooctonus minutissimus* Brues, 1937= [*Archaeromma minutissima* (Brues, 1937)].

607) *Archaeromma gibsoni* Engel & Grimaldi, 2007

Archaeromma gibsoni Engel & Grimaldi, 2007: 165.

Type specimen(s). H (♂): Bu-997 (AMNH). P (3♂): Bu-479, Bu-184 (AMNH), SEMC-KU Bu-024 (KUC).

Family Gallorommutidae Gibson *et al.*, 2007**3.486 Genus *Galloromma* Schlüter, 1978**

Galloromma Schlüter, 1978: 74. Type species: *Galloromma bezonnaisensis* Schlüter, 1978.

608) *Galloromma kachinensis* Engel & Grimaldi, 2007

Mymarommatidae sp. Grimaldi *et al.*, 2002:11

Galloromma sp.: Gibson *et al.*, 2007: 142.

Galloromma kachinensis Engel & Grimaldi, 2007: 166.

Type specimen(s). H (♀): Bu-0107 (AMNH). P (2♂): Bu - 0107, Bu-160 (AMNH).

Superfamily Platygastroidea Haliday, 1833**Family Platygastriidae Haliday, 1833****3.487 Genus *Cascoscelio* Poinar, 2012**

Cascoscelio Poinar, 2012: 521. Type species: *Cascoscelio incassus* Poinar, 2012.

609) *Cascoscelio incassus* Poinar, 2012

Cascoscelio incassus Poinar, 2012: 521.

Type specimen(s). H (♂): E-2 (RBAC).

Superfamily Proctotrupoidea Latreille, 1802**Family Pelecinidae Haliday, 1840****3.488 Genus *Abropelecinus* Feng, Shih, Ren & Liu, 2010**

Abropelecinus Feng, Shih, Ren & Liu, 2010: 464. Type species: *Abropelecinus annulatus* Feng, Shih, Ren & Liu, 2010.

610) *Abropelecinus tythus* Guo, Shih & Ren, 2016

Abropelecinus tythus Guo, Shih & Ren, 2016: 86.

Type specimen(s). H (♂): No. CNU-HYM-MA2016002 (CNU).

3.489 Genus *Brachypelecinus* Guo, Shih & Ren, 2016

Brachypelecinus Guo, Shih & Ren, 2016: 85. Type species: *Brachypelecinus euthyntus* Guo, Shih & Ren, 2016.

611) *Brachypelecinus euthyntus* Guo, Shih & Ren, 2016

Brachypelecinus euthyntus Guo, Shih & Ren, 2016: 85.

Type specimen(s). H (♂): No. CNU-HYM-MA2016001 (CNU).

3.490 Genus *Zoropelecinus* Engel & Grimaldi, 2013

Zoropelecinus Engel & Grimaldi, 2013: 4. Type species: *Zoropelecinus zigrasi* Engel & Grimaldi, 2013.

612) *Zoropelecinus periosus* Guo, Shih & Ren, 2016

Zoropelecinus periosus Guo, Shih & Ren, 2016: 88.

Type specimen(s). H (♀): No. CNU-HYM-MA2016003 (CNU).

613) *Zoropelecinus zigrasi* Engel & Grimaldi, 2013

Zoropelecinus zigrasi Engel & Grimaldi, 2013: 5.

Type specimen(s). H (♀): JZC-Bu229 (JZC).

Family Spathiopterygidae Engel & Ortega-Blanco, 2013

3.491 Genus *Diaspathion* Engel & Huang, 2015

Diaspathion Engel & Huang, 2015: 98. Type species: *Diaspathion ortegai* Engel & Huang, 2015.

614) *Diaspathion ortegai* Engel & Huang, 2015

Diaspathion ortegai Engel & Huang, 2015: 99.

Type specimen(s). H (♂): NIGP160526 (NIGP).

Superfamily Stephanoidea Leach, 1815

Family Stephanidae Leach, 1815

Subfamily Schlettereriinae Orfila, 1949

3.492 Genus *Kronostephanus* Engel & Grimaldi, 2013

Kronostephanus Engel & Grimaldi, 2013: 247. Type species: *Kronostephanus zigrasi* Engel & Grimaldi, 2016.

615) *Kronostephanus zigrasi* Engel & Grimaldi, 2013

Kronostephanus zigrasi Engel & Grimaldi, 2013: 247.

Type specimen(s). H (♀): JZC-Bu230 (JZC).

Phylum Onychophora Grube, 1853

Family Peripatidae Evans, 1901

3.493 Genus *Cretoperipatus* Engel & Grimaldi, 2002

Cretoperipatus Engel & Grimaldi, 2002: 24. Type species: *Cretoperipatus burmiticus* Engel & Grimaldi, 2002.

616) *Cretoperipatus burmiticus* Engel & Grimaldi, 2002

Cretoperipatus burmiticus Engel & Grimaldi, 2002: 27.

Type specimen(s). H: AMNH Bu218 (AMNH).

Additional materials. BU-001467, BU-001468, ZZZ0066.

Phylum Chordata Haeckel, 1874

Class Reptilia Laurenti, 1768

Order Squamata Opper, 1811

Suborder Gekkota Cuvier, 1817

Family Gekkonidae? Opper, 1811

3.494 Genus *Cretaceogekko* Arnold & Poinar, 2008

Cretaceogekko Arnold & Poinar, 2008: 62. Type species: *Cretaceogekko burmae* Arnold & Poinar, 2008.

617) *Cretaceogekko* Arnold & Poinar, 2008

Cretaceogekko burmae Arnold & Poinar, 2008: 62.

Type specimen(s). H: accession # B-V-4 (PACO).

Kingdom Fungi

3.495 Genus *Palaeoagaracites* Poinar & Buckley, 2007

Palaeoagaracites Poinar & Buckley, 2007: 504. Type species: *Palaeoagaracites antiquus* Poinar & Buckley, 2007.

618) *Palaeoagaracites antiquus* Poinar & Buckley, 2007

Palaeoagaracites antiquus Poinar & Buckley, 2007: 504.

Type specimen(s). H: AB 368 (RBAC).

3.496 Genus *Mycetophagites* Poinar & Buckley, 2007

Mycetophagites Poinar & Buckley, 2007: 504. Type species: *Mycetophagites atrebora* Poinar & Buckley, 2007.

619) *Mycetophagites atrebora* Poinar & Buckley, 2007

Mycetophagites atrebora Poinar & Buckley, 2007: 504.

Type specimen(s). H: AB 368 (RBAC).

3.497 Genus *Entropezites* Poinar & Buckley, 2007

Entropezites Poinar & Buckley, 2007: 504. Type species: *Entropezites patricii* Poinar & Buckley, 2007.

620) *Entropezites patricii* Poinar & Buckley, 2007

Entropezites patricii Poinar & Buckley, 2007: 505.

Type specimen(s). H: AB 368 (RBAC).

Phylum Basidiomycota Moore, 1980

Family Paleoclavariaceae Poinar & Brown, 2003

3.498 Genus *Palaeoclavaria* Poinar & Brown, 2003

Palaeoclavaria Poinar & Brown, 2003b: 765. Type species: *Palaeoclavaria burmitis* Poinar & Brown, 2003.

621) *Palaeoclavaria burmitis* Poinar & Brown, 2003

Palaeoclavaria burmitis Poinar & Brown, 2003b: 765.

Type specimen(s). H: B-P-1 (PACO).

Class Agaricomycetes Doweld, 2001

Subclass Agaricomycetidae Doweld, 2001

Order Boletales Gilbert, 1931

Suborder Sclerodermatineae Manfr. Binder & Bresinsky, 2002

Family Sclerodermatineae Corda, 1842

3.499 Genus *Palaeogaster* Poinar, Alfredo & Baseia, 2014

Palaeogaster Poinar, Alfredo & Baseia, 2014: 140. Type species: *Palaeogaster micromorpha* Poinar, Alfredo & Baseia, 2014.

622) *Palaeogaster micromorpha* Poinar, Alfredo & Baseia, 2014

Palaeogaster micromorpha Poinar, Alfredo & Baseia, 2014: 140.

Type specimen(s). H: B-F-1 (PACO).

Phylum Ascomycota Cavalier-Smith, 1998

Class Sordariomycetes Eriksson & Winka, 1997

Order Hypocreales Lindau, *in*: Engler & Prantl, 1897

Family Clavicipitaceae (Lindau) Earle ex Rogerson, 1971

3.500 Genus *Palaeoclaviceps* Poinar, Alderman & Wunderlich, 2015

Palaeoclaviceps Poinar, Alderman & Wunderlich, 2015: 14. Type species: *Palaeoclaviceps parasiticus* Poinar, Alderman & Wunderlich, 2015.

623) *Palaeoclaviceps parasiticus* Poinar, Alderman & Wunderlich, 2015

Palaeoclaviceps parasiticus Poinar, Alderman & Wunderlich, 2015: 14.

Type specimen(s). H: F26481BUIC (SMRI).

Family Ophiocordycipitaceae

3.501 Genus *Palaeoophiocordyceps* Sung, Poinar & Spatafora, 2008

Palaeoophiocordyceps Sung, Poinar & Spatafora, 2008: 4. Type species: *Palaeoophiocordyceps coccophagus* Sung, Poinar & Spatafora, 2008.

624) *Palaeoophiocordyceps coccophagus* Sung, Poinar & Spatafora, 2008

Palaeoophiocordyceps coccophagus Sung, Poinar & Spatafora, 2008: 4.

Type specimen(s). H: B-Sy-18-holotype (PACO).

Kingdom Planta

Phylum Bryophyta Schimper, 1879

Class Jungermanniopsida Stotler & Crandall-Stotler, 1977 emend. 2000

Order Porellales Schljakov, 1972

Family Frullaniaceae Lorch, 1914

3.502 Genus *Frullania* Raddi, 1818

Frullania Raddi, 1818: 9. Type species: unknown.

625) *Frullania cretacea* Hentschel, Schmidt & Heinrichs, 2009

Frullania cretacea Hentschel, Schmidt & Heinrichs, 2009: 326.

Type specimen(s). H: AMNH B-011 (AMNH).

Family Lepidolaenaceae Nakai, 1943

3.503 Genus *Gackstroemia* Trevisan, 1877

Gackstroemia Trevisan, 1877: 397. Type species: Unknown.

626) *Gackstroemia cretacea* Heinrichs, Schäfer-Verwimp, Feldberg & Schmidt, 2014

Gackstroemia cretacea Heinrichs, Schäfer-Verwimp, Feldberg & Schmidt, 2014b: 49.

Type specimen(s). H: AMNHBU ASJH-1 (AMNH).

Class Bryopsida McClatchie, 1897

Subclass Bryidae Engler, 1892

Order Hypnodendrales Bell, Newton & Quandt, 2007**3.504 Genus *Vetiplanaxis* Bell, 2007**

Vetiplanaxis Bell, 2007: 518. Type species: *Vetiplanaxis pyrrohobryoides* Bell, 2007.

627) *Vetiplanaxis espinosus* Hedenäs, Heinrichs & Schmidt, 2014

Vetiplanaxis espinosus Hedenäs, Heinrichs & Schmidt, 2014: 8.

Type specimen(s). H: AMNH Bu-951 (AMNH). P: AMNH Bu-1285 (AMNH).

628) *Vetiplanaxis longiacuminatus* Hedenäs, Heinrichs & Schmidt, 2014

Vetiplanaxis longiacuminatus Hedenäs, Heinrichs & Schmidt, 2014: 7.

Type specimen(s). H: AMNH Bu-1096b (AMNH).

629) *Vetiplanaxis oblongus* Hedenäs, Heinrichs & Schmidt, 2014

Vetiplanaxis oblongus Hedenäs, Heinrichs & Schmidt, 2014: 6.

Type specimen(s). H: AMNH Bu-181 (AMNH).

630) *Vetiplanaxis pyrrohobryoides* Bell, 2007

Vetiplanaxis pyrrohobryoides Bell, 2007: 518.

Type specimen(s). H: NHML V. 15536 (NHML).

Subclass Dicranidae Doweld, 2001**Order Dicranales Fleischer, 1920****Family *incertae sedis*****3.505 Genus *Calymperites* Ignatov & Perkovsky, 2013**

Calymperites Ignatov & Perkovsky, 2013: 90. Type species: *Calymperites ucrainicus* Ignatov & Perkovsky, 2013.

631) *Calymperites burmensis* Heinrichs, Schäf.-Verw., Hedenäs, Ignatov & A.R. Schmidt, 2014

Calymperites burmensis Heinrichs, Schäf.-Verw., Hedenäs, Ignatov & A.R. Schmidt, 2014a: 261.

Type specimen(s). H: AMNH Bu ASJH-2 (AMNH).

Phylum Tracheophyta Sinnott, 1935 ex Cavalier-Smith (1998)**Infraphylum Moniliformopses Kenrick & Crane, 1997, nom. inval.****Class Polypodiopsida Cronquist, Takhtajan & Zimmermann, 1966****Order Polypodiales Link, 1833****3.506 Genus *Cretacifilix* Poinar & Buckley, 2016**

Cretacifilix Poinar & Buckley, 2016a: 1176. Type species: *Cretacifilix fungiformis* Poinar & Buckley, 2016.

632) *Cretacifilix fungiformis* Poinar & Buckley, 2016

Cretacifilix fungiformis Poinar & Buckley, 2016a: 1176.

Type specimen(s). H: # B-11 (DEI).

Family Denntstaedtiaceae Lotsy, 1909**3.507 Genus *Krameropteris* Schneid, Schmidt & Heinrichs, 2016**

Krameropteris Schneid, Schmidt & Heinrichs, 2016: 74. Type species: *Krameropteris resinatus* Schneid, Schmidt & Heinrichs, 2016.

633) *Krameropteris resinatus* Schneid, Schmidt & Heinrichs, 2016

Krameropteris resinatus Schneid, Schmidt & Heinrichs, 2016: 74.

Type specimen(s). H: AMNH Bu-ASJH-3 (AMNH).

Additional materials. AMNH-Bu-342, AMNH-Bu-731, AMNH-Bu-1612, AMNH-Bu-158b, AMNH-Bu-119 (AMNH); Beate Stolz Amber Collection (Bremen, Germany), sine numero; Carsten Gröhn Amber Collection, no. 11039.

Phylum Angiospermae

3.508 Genus *Antiquifloris* Poinar, Buckley & Chen, 2016

Antiquifloris Poinar, Buckley & Chen, 2016: 156. Type Species: *Antiquifloris latifibris* Poinar, Buckley & Chen, 2016.

634) *Antiquifloris latifibris* Poinar, Buckley & Chen, 2016

Antiquifloris latifibris Poinar, Buckley & Chen, 2016: 156.

Type specimen(s). H: accession # ab 214 (RBAC)..

3.509 Genus *Lachnociona* Poinar, Chambers & Buckley, 2008

Lachnociona Poinar, Chambers & Buckley, 2008: 1184. Type species: *Lachnociona terriae* Poinar, Chambers & Buckley, 2008.

635) *Lachnociona terriae* Poinar, Chambers & Buckley, 2008

Lachnociona terriae Poinar, Chambers & Buckley, 2008: 1184.

Type specimen(s). H: accession no. Ab-294 (DEI).

3.510 Genus *Micropetasos* Poinar, Chambers & Wunderlich, 2013

Micropetasos Poinar, Chambers & Wunderlich, 2013: 746. Type Species: *Micropetasos burmensis* Poinar, Chambers & Wunderlich, 2013.

636) *Micropetasos burmensis* Poinar, Chambers & Wunderlich, 2013

Micropetasos burmensis Poinar, Chambers & Wunderlich, 2013: 746.

Type specimen(s). H: accession no. F2469/BU/CJW (SMRI).

Class Dicotyledons

Order Laurales Jussieu ex Berchtold & Presl, 1820

Sister to Family Atherospermataceae + Gomortegaceae

3.511 Genus *Jamesrosea* Crepet *et al.*, 2016

Jamesrosea Crepet *et al.*, 2016: 291. Type species: *Jamesrosea burmensis* Crepet *et al.*, 2016.

637) *Jamesrosea burmensis* Crepet *et al.*, 2016

Jamesrosea burmensis Crepet *et al.*, 2016: 291.

Type specimen(s). H (♂♀): AMNH JZ Bu-124 (AMNH).

Family Monimiaceae Jussieu, 1809

3.512 Genus *Palaeoanthella* Poinar & Chambers, 2005

Palaeoanthella Poinar & Chambers, 2005: 2088. Type species: *Palaeoanthella huangii* Poinar & Chambers, 2005.

638) *Palaeoanthella huangii* Poinar & Chambers, 2005

Palaeoanthella huangii Poinar & Chambers, 2005: 2088.

Type specimen(s). H (♂): Specimen number not assigned, Single staminate flower (PCGH).

Order Oxalidales Berchtold & Presl, 1820

Family Cunoniaceae Brown, 1814

3.513 Genus *Tropidogyne* Chambers, Poinar & Buckley, 2010

Tropidogyne Chambers, Poinar & Buckley, 2010: 23. Type species: *Tropidogyne pikei* Chambers, Poinar & Buckley, 2010.

639) *Tropidogyne pikei* Chambers, Poinar & Buckley, 2010

Tropidogyne pikei Chambers, Poinar & Buckley, 2010: 24.

Type specimen(s). H: T. Pike #ab 14 (RBAC).

Order Cornales Dumort, 1829

Family Cornaceae Berchtold & Presl, 1825

3.514 Genus *Eoëpigynia* Poinar, Chambers & Buckley, 2007

Eoëpigynia Poinar, Chambers & Buckley, 2007: 92. Type species: *Eoëpigynia burmensis* Poinar, Chambers & Buckley, 2007.

640) *Eoëpigynia burmensis* Poinar, Chambers & Buckley, 2007

Eoëpigynia burmensis Poinar, Chambers & Buckley, 2007: 92.

Type specimen(s). H (♂♀): perfect flower (accession # ab 214) (RBAC).

Class Monocotyledones

Order Poales Small, 1903

3.515 Genus *Programinis* Poinar, 2004

Programinis Poinar, 2004b: 499. Type species: *Programinis burmitis* Poinar, 2004.

641) *Programinis burmitis* Poinar, 2004

Programinis burmitis Poinar, 2004b: 499.

Type specimen(s). H: A spikelet with glumes, lemmas, paleas, accession#B-P-3A (PACO).

642) *Programinis laminatus* Poinar, 2004

Programinis laminatus Poinar, 2004b: 499.

Type specimen(s). H: A leaf fragment, accession#B-P-3B (PACO).

Funding This research was supported by the National Natural Science Foundation of China (31301900, 31672345), and Research Equipment Development Project of Chinese Academy of Sciences (YZ201509)

Acknowledgements Many thanks to the authors for their valuable comments and suggestions which help improve the quality of the manuscript.

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