

Burmese (Myanmar) amber taxa, on-line supplement v.2019.1

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This taxonomic list is a supplement to Ross (2019) up to 31/05/2019 and follows the same format. It includes taxa described or recorded since the end of 2018, plus a few that were published before then but were missed. I would like to reiterate that all the taxa in both lists have appeared in the published literature. Please note that only classes and orders which include new taxa or new records are listed below. A new section has been added for trace fossils, which are not included in the taxon counts.

New additions or changes to Ross (2019) are marked in **blue**, corrections are marked in **red**.

Ross (2019) plus this supplement comprises 41 classes (or similar rank), 18 orders (or similar rank), 559 families, 954 genera and 1303 species (excluding trace fossils, marine encrusters, Tiliin amber and copal records). This includes 8 classes, 66 orders, 508 families, 881 genera and 1223 species of arthropods.

Additional family rejected from occurring in Burmese amber-

†**Protopsyllidiidae**

Many thanks to everyone who has supplied pdfs of their papers. So that I can keep the list up-to-date please continue to send me your pdfs and let me know of any corrections required (particularly due to taxonomic changes) and references of papers in press. This list will be periodically updated and made available on-line via webpage and Research Gate.

If you find this list useful to your research please cite it as follows along with Ross (2019)-

Ross, A.J. 2019b. *Burmese (Myanmar) amber taxa, on-line supplement v.2019.1*. 20pp.

<http://www.nms.ac.uk/explore/stories/natural-world/burmese-amber/>

HEXAPODA (2c., 33o., 387f., 722g., 939sp.)

Insecta (29o., 379f., 709g., 925sp.)

Ephemeroptera (7f., 5g., 5sp.)

Baetidae

Myanmarella rossi Sinitshenkova, 2000

~~Family incertae sedis~~

~~*Myanmarella rossi* Sinitshenkova, 2000~~

Odonata (21f., 29g., 35sp.)

†Burmaeschnidae

Proaeschna zhangii Wei, Shih, Ren & Wang, 2019

Gomphaeschnidae

Kachinaeshna zhuoi Zheng, Nel & Wang, 2019

Gomphidae

~~*Burmalindenia imperfecta* Schädel & Bechly, 2016~~

Gunterbechlya pumilio Huang, Fu & Nel, 2019

Lindeniidae

Burmalindenia imperfecta Schädel & Bechly, 2016

Blattodea (including Isoptera, †Aethiocarenodea, †Alienoptera) (15f., 27g., 31sp.)

†Alienopteridae

Formicamendax vrsanskyi Hinkelman, 2019

†Blattulidae

Huablattula hui Qiu, Wang & Che, 2019

Huablattula jiewenae Qiu, Wang & Che, 2019

Corydiidae

Magniocula apiculata Qiu, Wang & Che, 2019

†Liberiblattinidae

†Mesoblattinidae

Spinaeblattina myanmarensis Hinkelman, 2019

†Umenocoleidae

~~*Cratovitisma cortexi* Sendi, 2018~~ [in Lebanese amber]

Orthoptera (6f., 8g., 8sp.)

†Elcanidae

Elcanonympha diana Heads & Thomas, 2018

Tridactylidae

Paraxya hui Cao, Chen & Yin, 2019

Plecoptera (2f., 6g., 16sp.)

Perlidae

Burmesoperla expansa Chen, 2019

Zoraptera (1f., 2g., 9sp.)

Zorotypidae

- Zorotypus hirsutus* Mashimo, 2018
Zorotypus hukawngi Chen & Su, 2019

Hemiptera (64f., 83g., 92sp.)

Cicadellidae

- Cretacoelidia viraktamathi* Wang, Dietrich & Zhang, 2019

Fulgoridae?

†Jubisentidae

- Furtivirete zhuoi* Zhang, Ren & Yao, 2018

†Lalacidae

†Minlagerrontidae

- Minlagerron griphos* Chen, Szwedó & Wang, 2019
Minlagerron onyxos Chen, Szwedó & Wang, 2019

†Nabidae

†Neazoniidae

†Postopsyllidiidae

- Postopsyllidium burmaticum* Hakim, Azar & Huang, 2019
Postopsyllidium grimaldii Hakim, Azar & Huang, 2019
Postopsyllidium rebecca Grimaldi, 2003

†Procercopidae

†Protopsyllidiidae

- Postopsyllidium rebecca* Grimaldi, 2003

Schizopteridae

- 'Kachinia' cretacea* Chen & Wang, 2018 [*Kachinia* is a junior homonym]

†Sinoalidae

- Mesodoros orientalis* Chen & Wang, 2019
Ornatiala amoena Chen, Wang & Zhang, 2019

† Yetkhatidae

- Parwaina liuyei* Song, Szwedó & Bourgoïn, 2019
Yetkhata jiangershii Song, Szwedó & Bourgoïn, 2019

†Permopsocida (1f., 4g., 4sp.)

†Archipsyllidae

- Bittacopsocus megacephalus* Beutel, Prokop, Müller & Pohl, 2019 [tentatively placed in this family]

Thysanoptera (5f., 3g., 8sp.)

†Rohrthripidae

- Rohrthrips breviceps* Ullitzka, 2019
Rohrthrips jiewenae Ullitzka, 2019
Rohrthrips maryae Ullitzka, 2019
Rohrthrips patrickmuelleri Ullitzka, 2019
Rohrthrips schizovenatus Ullitzka, 2019

Stenurothripidae

- Cenomanthrips primus* Tong, Shih & Ren, 2019

Coleoptera (84f., 183g., 232sp.)

Anthicidae

Lemodicarmania olmedoae Molino-Olmedo, 2017

~~*Eurygenius wickhami* Cockerell, 1917~~

Boganiidae

Cretoboganium gei Cai & Huang, 2019

Cantharidae

Elektrokleinia picta Ellenberger & Fanti, 2019

Cerambycidae

Aphosisandra ammytae Molino-Olmedo, 2017

Cerophytidae

Amberophytum birmanicum Yu, Ślipiński & Pang, 2019

Brachycerophytum cretaceum Yu, Ślipiński & Pang, 2019

Cerophytum albertalleni Yu, Ślipiński & Pang, 2019

Necromeropsis minutus Yu, Ślipiński & Pang, 2019

Clambidae

Acalyptomerus thayerae Cai & Lawrence, 2019

Sphaerotherax uenoi Cai & Lawrence, 2019

Eucinetidae

Cretohlezkus alleni Jałoszyński, 2019

Gyrinidae

Cretogyrus beuteli Zhao, Zhao, Jarzembowski & Wang, 2019

Histeridae

Promyrmister kistneri Zhou, Ślipiński & Parker, 2019

Lycidae

Burmolycus compactus Bocák, Li & Ellenberger, 2019

Lymexylidae

Raractocetus extinctus Yamamoto, 2019

Raractocetus fossilis Yamamoto, 2019

Vetatractocerus burmiticus Yamamoto, 2019

Ommatidae

Lepidomma tianae Jarzembowski, Wang & Zheng, 2019

Passandridae

Mesopassandra keyao Jin, Ślipiński, Zhou & Pang, 2019

Ptinidae

Molinernobius fuentesi Molino-Olmedo, 2017

Silvanidae

Cretoliota cornutus Liu, Ślipiński, Wang & Pang, 2019

~~*Pleuroceratos burmiticus* Poinar & Kirejtshuk, 2008~~

Protoliota antennatus Liu, Ślipiński, Wang & Pang, 2019

Staphylinidae

Archemastax divida Yin, Zhou, Cai & Newton, 2019

Cretobrachygluta laurasiensis Yin, Kurbatov, Cuccodora & Cai, 2019

Scydmaenus minor Yin & Cai, 2019

Family *incertae sedis*

'Eurygenius' wickhami Cockerell, 1917
Pleuroceratos burmiticus Poinar & Kirejtshuk, 2008

Diptera (49f., 117g., 158sp.)

Bombyliidae

Similipioneeria mirantenna Ye, Yao, Shih, Ren & Wang, 2019
Cretabombylia spinifera Ye, Yao, Shih, Ren & Wang, 2019
Peculibombylia relictivena Ye, Yao, Shih, Ren & Wang, 2019

Ceratopogonidae

Adelohelea burmiticus (Szadziewski & Poinar, 2005)
Archiaustroconops andersoni (Szadziewski, Ross & Gilka, 2014)
Atriculicoides swinhoei (Cockerell, 1919)

Chironomidae

Myanmaro primus Gilka, Makarchenko, Pankowski & Zakrzewska, 2019

Corethrellidae

Corethrella patula Baranov & Kvifte, 2019

Culicidae

Priscoculex burmanicus Poinar, Zavortink & Brown, 2019

Psychodidae

Palaeoglaesum bisulcum Wagner, 2017
Palaeoglaesum carsteni Skibińska, Krzemiński & Zhang, 2019
Palaeoglaesum quadrispiculatum (Stebner, Kraemer, Ibáñez-Bernal & Wagner, 2015)
Palaeoglaesum muelleri Wagner, 2017
Palaeoglaesum notandum Wagner, 2017
Palaeoglaesum velteni (Wagner, 2012)
Palaeoglaesum wagneri Skibińska, Krzemiński & Zhang, 2019
Protohoraiella katerinae Curler, Krzemiński & Skibińska, 2019
Protohoraiella yvonnae Curler, Krzemiński & Skibińska, 2019

†Zhangsolvidae

Burmomyia rossi Zhang & Wang, 2019
Cratomyia zhuoi Zhang & Wang, 2019

Family *incertae sedis*

'Psilocephala' electrella Cockerell, 1920 [extant genus]

Hymenoptera (49f., 97g., 148sp.)

Aulacidae

Archeofoenus engeli Turrisi & Ellenberger, 2019
Electrofoenops cockerelli Turrisi & Ellenberger, 2019
Electrofoenops rasnitsyni Turrisi & Ellenberger, 2019
Hyptiogastrites electrinus Cockerell, 1917

Bethylidae

Holopsenelliscus pankowskiorum Engel, 2019

†Chrysobythidae

Aureobythus decoloratus Melo & Lucena, 2019
Aureobythus punctatus Melo & Lucena, 2019

Aureobythus villosus Melo & Lucena, 2019
Bethylochrysis clypeata Melo & Lucena, 2019
Chrysobythus areolatus Melo & Lucena, 2019

Dryinidae

Hybristodryinus anomalus Perkovsky, Olmi, Müller & Martynova, 2019
Hybristodryinus concavifrons Perkovsky, Olmi, Müller & Martynova, 2019
Hybristodryinus cretacicus Perkovsky, Olmi, Müller & Martynova, 2019
Hybristodryinus karen Perkovsky, Olmi, Müller & Martynova, 2019
Hybristodryinus kayin Perkovsky, Olmi, Müller & Martynova, 2019
Hybristodryinus konbaung Perkovsky, Olmi, Müller & Martynova, 2019
Hybristodryinus ligulatus Perkovsky, Olmi, Müller & Martynova, 2019
Hybristodryinus magnificus Perkovsky, Olmi, Müller & Martynova, 2019
Hybristodryinus mon Perkovsky, Olmi, Müller & Martynova, 2019
Hybristodryinus nalaie Perkovsky, Olmi, Müller & Martynova, 2019
Hybristodryinus pyu Perkovsky, Olmi, Müller & Martynova, 2019
Hybristodryinus shan Perkovsky, Olmi, Müller & Martynova, 2019

Gasteruptionidae

~~*Hyptiogastrites electrinus* Cockerell, 1917~~
Protofoenus swinhoi Cockerell, 1917

†Othniodellithidae

~~*Protofoenus swinhoi* Cockerell, 1917~~ [incorrectly listed in this family by Li *et al.* (2018),
Appendix S1]

Sclerogibbidae

Sclerogibba cretatica Martynova, Olmi, Müller & Perkovsky, 2019

†Serphitidae

Supraserphites draculi Rasnitsyn & Öhm-Kühnle, 2019
Supraserphites sidorchukae Rasnitsyn & Öhm-Kühnle, 2019

Mecoptera (5f., 5g., 7sp.)

†Dualulidae

Dualula kachinensis Lin, Shih, Labandeira & Ren, 2019

Neuroptera (21f., 65g., 74sp.)

†Babinskaiidae

Pseudoneliaria makarkini Huang, Nel & Azar, 2019

Coniopterygidae

Achlyoconis jiae Li, Wang & Liu, 2019
Burmaleuropteryx meinanderi Bai, Wang & Liu, 2019 (in Li *et al.*, 2019)
Cycloconis maculata Li, Wang & Liu, 2019
Mulleroconis hyalina Ružičková, Nel & Prokop, 2019
Palaeoconis azari Ružičková, Nel & Prokop, 2019
Paranimboa groehni Sziráki, 2016

Nemopteridae

Cretocroce xiai Lu, Wang, Yang & Liu, 2019

Raphidioptera (2f., 4g., 5sp.)

†Baissopteridae

Trichoptera (8f., 10g., 23sp.)

Polycentropodidae

Hnamadawgyia macularis Wang, Zhang, Wang & Ren, 2019

CHELICERATA (1c, 12o., 101f., 151g., 275sp.)

Arachnida (12o., 101f., 151g., 275sp.)

Araneida (46f., 112g., 215sp.)

†Chimerarachnidae

Chimerarachne yingi Wang, Dunlop, Selden, Garwood, Shear, Müller & Lei, 2018

†Eomesothelidae

Eomesothele noninclinata Wunderlich, 2019

Intermesothele pulcher Wunderlich, 2019 [tentatively placed in this family]

†Lagonomegopidae

Cymbiolagrops cymbiocalcar Wunderlich, 2015

~~Uraraneida (1g., 1sp.)~~

~~Family incertae sedis~~

~~*Chimerarachne yingi* Wang, Dunlop, Selden, Garwood, Shear, Müller & Lei, 2018~~

MYRIAPODA (3c., 18o., 16f., 6g., 7sp.)

Diplopoda (13o., 11f., 4g., 5sp.)

Callipodida (1f., 1g., 1sp.)

†Burmanopetalidae

Burmanopetalum inexpectatum Stoev, Moritz & Wesener, 2019

Siphonophorida (2f, 1g., 1sp.)

Siphonophoridae

Siphonophora hui Jiang, Shear, Hennen, Chen & Xie, 2019

CRUSTACEA (2c., 3o., 4f., 2g., 2sp.)

Malacostraca (2o., 4f., 2g., 2sp.)

Isopoda (4f., 2g., 2sp.)

Cirolanidae?

MOLLUSCA (3c., 4o., 7f., 3g., 2sp.)

Bivalvia (1o., 1f., ~~1g., 1sp.~~)

Myoida (1f., ~~1g., 1sp.~~)

Pholadidae (~~crypts~~) [moved to trace fossil section below]

~~*Teredolites clavatus* Leymerie, 1842 (= *Palaeoclavaria burmitis* Poinar & Brown, 2003)~~

Cephalopoda (1o., 1f., 1g.)

†Ammonitida

†Desmoceratidae

Puzosia (Bhimaites) sp.

PLANTAE (8c., 13o., 16f., 28g., 33sp.)

Angiospermae (4o., 5f., 15g., 17sp.)

Order *incertae sedis* (6g., 6sp.)

Family *incertae sedis*

Chenocybus allodapus Poinar, 2018

Diaphoranthus burmensis Poinar, 2018

Lijinganthus revoluta Liu, Huang, Cai & Wang, 2018

Chlorophyceae (1o., 1f., 1g., 1sp.)

Chaetophorales (1f., 1g., 1sp.)

Chaetophoraceae

Electrophycus astroplethus Poinar & Brown, 2019

FUNGI (3c., 5o., 6f., 10g., 10sp.)

Sordariomycetes (2o., 3f., 5g., 5sp.)

Hypocreales (2f., 4g., 4sp.)

Ophiostomatales (1f., 1g., 1sp.)

Ophiostomataceae

Paleoambrosia entomophila Poinar & Vega, 2018

Zygomycetes (1o., 1f., 1g., 1sp.)

†Priscadvenales (1f., 1g., 1sp.)

†Priscadvenaceae

Priscadvena corymbosa Poinar & Vega, 2019

Trace fossils

HEXAPODA (1c., 1o., 1f., 1g., 1sp.)

Insecta (1o., 1f., 1g., 1sp.)

Blattodea (1f., 1g., 1sp.)

†Mesoblattinidae

Blattoothecichnus argenteus Hinkelman, 2019

MOLLUSCA (1c., 1o., 1f., 1g., 1sp.)

Bivalvia (1o., 1f., 1g., 1sp.)

Myoida (1f., 1g., 1sp.)

Pholadidae

Teredolites clavatus Leymerie, 1842 (= *Palaeoclavaria burmitis* Poinar & Brown, 2003)

Papers published on Burmese amber since the end of 2018, or missed previously, and amendments to previous references

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