# A summary list of fossil spiders and their relatives

*compiled by*

**Jason A. Dunlop (Berlin), David Penney (Manchester) & Denise Jekel (Berlin)**

with additional contributions from Lyall I. Anderson, Simon J. Braddy, James C. Lamsdell, Paul A. Selden & O. Erik Tetlie

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## INTRODUCTION

Fossil spiders have not been fully cataloged since Bonnet's *Bibliographia Araneorum* and are not included in the current *World Spider Catalog*. Since Bonnet's time there has been considerable progress in our understanding of the fossil record of spiders – and other arachnids – and numerous new taxa have been described. For an overview see Dunlop & Penney (2012). Spiders remain the single largest fossil group, but our aim here is to offer a summary list of all fossil Chelicerata in their current systematic position; as a first step towards the eventual goal of combining fossil and Recent data within a single arachnological resource.

To integrate our data as smoothly as possible with standards used for living spiders, our list for Araneae follows the names and sequence of families adopted in the previous Platnick Catalog. For this reason some of the family groups proposed in Wunderlich's (2004, 2008, 2012) monographs of amber and copal spiders are not reflected here, and we encourage the reader to consult these studies for details and alternative opinions. Extinct families have been inserted in the position which we hope best reflects their probable affinities. For other arachnid groups we have largely followed the nomenclature and family sequences adopted in other online or printed summaries; for example Victor Fet *et al*.'s work on scorpions, Mark Harvey's catalogues of pseudoscorpions and the 'minor' orders – all of which also list the fossils – Adriano Kury's harvestman overviews and the third edition of the Manual of Acarology for mites. For all groups, genus and species names were compiled from established lists and cross-referenced against the primary literature.

We aim to reflect the latest published opinions on the taxonomy of fossil species. A caveat here is that some synonomies and transfers proposed in the literature were only provisional or tentative in nature. At times we were forced to interpret whether a formal nomenclatural change had actually been made, and we have tried to accomodate these difficulties as best as possible. We should also stress that many historical fossil types require revision. Older species names assigned to common, modern genera such as *Araneus*, *Clubiona* or *Linyphia* among the spiders, should be treated with caution. The list has been extended to include Recent species – particularly some spiders and numerous oribatid mites – found as (sub)fossils. These are generally specimens of Quaternary age found in copal, or recovered from peats or archeological sites.

We have provided references for the first descriptions of all the fossil species, and where possible we have added the relevant taxonomic literature for all the taxon names which we mention here. We should, however, note that for some groups (especially mites) recovering the correct author and date for higher taxa proved challenging, and we hope in future releases to be able to clarify these names and augment the reference list accordingly. Formal synonomy lists for the fossil species are being compiled and that which we have for individual taxa can be made available upon request upon a 'fair use' basis. As with any project of this size, we cannot guarantee the accuracy of all these entries and we encourage readers to foward omissions or corrections to jason.dunlop@mfn-berlin.de or David.Penney@manchester.ac.uk.

## PRINCIPAL CHANGES SINCE THE LAST UPDATE

The principal additions in this version come from the latest book from Jörg Wunderlich, which includes about 80 new species (some ricinuleids, mostly spiders) from Cretaceous Burmese amber and to a lesser extent Baltic amber. His monograph introduces several new extinct Cretaceous families: Hirsutisomidae and Monoricinulidae in Ricinulei and Burmathelidae, Burmathelidae, Cretacothelidae, Parvithelidae, Vetiatoridae, Burmadictynidae and Praearaneidae in Araneae. In addition to this, the first fossil oribatid mite in the family Megeremaeidae is described form Cretaceous Canadian amber and a new species of hard tick was described from Burmese amber.

## ACKNOWLEDGMENTS

We are very grateful to Wolfgang Nentwig and the Bern team for agreeing to host this list as an appendix to the Catalog, to Paul Selden for encouragement, support and corrections, and to those colleagues who have advised us on oversights and/or provided further literature.

EXPLANATIONS

- † indicates an entirely extinct genus, family or other higher taxon
- all species listed assumed to be extinct unless marked **[Recent]**
- * indicates the type species of (fossil) genera

*Stratigraphical abbreviations*:

pЄ = Precambrian, Є = Cambrian, O = Ordovician, S = Silurian,

D = Devonian, C = Carboniferous, P = Permian

Tr = Triassic, J = Jurassic, K = Cretaceous

Pa = Palaeogene, Ne = Neogene, Qt = Quaternary

# PYCNOGONIDA

11 currently valid species of fossil sea spider

- note that in some modern phylogenies the Palaeozoic genera resolve *within* the crown group

**PYCNOGONIDA Latreille, 1810** ..... **Cambrian – Recent**

= ARACHNOPODA Dana, 1853

† ***Cambropycnogon*** **Waloszek & Dunlop, 2002** ..... **Cambrian**

1. *Cambropycnogon klausmuelleri* Waloszek & Dunlop, 2002* ..... Є 'Orsten', Sweden

pycnogonid affinities were questioned by Bamber (2007)

† ***Haliestes*** **Siveter, Sutton, Briggs & Siveter, 2004** ..... **Silurian**

2. *Haliestes dasos* Siveter, Sutton, Briggs & Siveter, 2004* ..... S Herefordshire Lgst.

† ***Flagellopantopus*** **Poschmann & Dunlop, 2006** ..... **Devonian**

3. *Flagellopantopus blocki* Poschmann & Dunlop, 2006* ..... D Hünsruckschiefer

† ***Palaeomarachne*** **Rudkin, Cuggy, Young & Thompson, 2013** ..... **Ordovician**

4. *Palaeomarachne granulata* Rudkin, Cuggy, Young & Thompson, 2013* O Manitobia, Canada

† ***Pentapantopus*** **Kühl, Poschmann & Rust, 2013** ..... **Devonian**

5. *Pentapantopus vogteli* Kühl, Poschmann & Rust, 2013* ..... D Hünsruckschiefer

† **PALAEOISOPODIDAE Dubinin, 1957** ..... **Devonian**

† ***Palaeoisopus*** **Broili, 1928** ..... **Devonian**

6. *Palaeoisopus problematicus* Broili, 1928* ..... D Hünsruckschiefer

† **PALAEOPANTOPODIDAE Broili, 1930** ..... **Devonian**

† ***Palaeopantopus*** **Broili, 1928** ..... **Devonian**

7. *Palaeopantopus maucheri* Broili, 1928* ..... D Hünsruckschiefer

**PANTOPODA Gerstaecker, 1863** ..... **Devonian – Recent**

= PEGMATA Fry, 1978

**family uncertain**

† ***Palaeothea*** **Bergström, Stürmer & Winter, 1980** ..... **Devonian**

8. *Palaeothea devonica* Bergström, Stürmer & Winter, 1980* ..... D Hünsruckschiefer

**AUSTRODECIDAE Stock, 1954** ..... **Recent**

no fossil record

**PYCNOGONIDAE Wilson, 1878** ..... **Recent**

no fossil record

**COLOSSENDEIDAE Hoek, 1881** ……..**?Jurassic – Recent**

= PASITHOIDAE Sars, 1891

= RHOPALORHYNCHIDAE Fry, 1978

† ***Colossopantopodus* Charbonnier, Vannier & Riou, 2007** ……..**Jurassic**

9. *Colossopantopodus boissinensis* Charbonnier, Vannier & Riou, 2007* . J La Voulte-sur-Rhône tentative referal

**AMMOTHEIDAE Dohrn, 1881** ……..**?Jurassic – Recent**

= EURYCIDIDAE Sars, 1891

= OORHYNCHIDAE Schimkewitsch, 1913

= TANYSTYLIDAE Schimkewitsch, 1913

= AMMOTHELLIDAE Fry, 1978

= EPHYROGYMNIDAE Fry, 1978

= PARANYMPHONIDAE Fry, 1978

= SERICOSURIDAE Fry, 1978

= TRYGAEIDAE Fry, 1978

† ***Palaeopycnogonides* Charbonnier, Vannier & Riou, 2007** ……..…….. **Jurassic**

10. *Palaeopycnogonides gracilis* Charbonnier, Vannier & Riou, 2007* …… J La Voulte-sur-Rhône tentative referal

**CALLIPALLENIDAE Hilton, 1942** ……..……..**Recent**

= PALLENIDAE Wilson, 1878 [*Pallene* is a preoccupied genus]

= CHEILAPALLENIDAE Fry, 1978

= CLAVIGEROPALLENIDAE Fry, 1978

= HANNONIDAE Fry, 1978

= METAPALLENIDAE Fry, 1978

= QUEUBIDAE Fry, 1978

= STYLOPALLENIDAE Fry, 1978

no fossil record

**NYMPHONIDAE Wilson, 1878** ……..**Recent**

no fossil record

**PALLENOPSIDAE Fry, 1978** ……..…….. **Recent**

no fossil record

**ENDEIDAE Norman, 1904** ……..……..**?Jurassic – Recent**

† ***Palaeoendeis* Charbonnier, Vannier & Riou, 2007** ……..**Jurassic**

11. *Palaeoendeis elmii* Charbonnier, Vannier & Riou, 2007* ……..…….. J La Voulte-sur-Rhône tentative referal

**PHOXICHILIDIIDAE Sars, 1891** ……..……..**Recent**

= ANOPLODACTYLIDAE Fry, 1978

= PHOXIPHILYRIDAE Fry, 1978

no fossil record

**RHYNCHOTHORACIDAE Thompson, 1909** ……....**Recent**

no fossil record

MISIDENTIFICATIONS

1. *Pentapalaeopycnon inconspicua* Hedgpeth, 1978 [crustacean] ……..……J Solnhofen
2. *Pycnogonites uncinatus* Quenstedt, 1852 [crustacean] …….....…..…..…J Solnhofen

*c*. 1,300 Recent species

# (EU)CHELICERATA

5 currently valid, but unplaced (eu)chelicerate fossil species

- *Sanctacaris* has been recovered as an early chelicerate in some phylogenetic studies – most recently by Legg (2014) – although this interpretation is not universal.
- *Offacolus* has been described in detail from reconstructions based on serial sections, and was resolved in some phylogenies to a basal position within Euchelicerata
- *Dibasterium* was described as a horseshoe crab, albeit one with multiple biramous appendages
- the other listed taxa are mostly poor or incomplete specimens which have been treated as either xiphosurans, chasmataspidids or eurypterids
- resting impressions imply that Chasmataspidida were probably present in the late Cambrian

## CHELICERATA Heymons, 1901 ..... ?Cambrian – Recent

† ***Sanctacaris*** **Briggs & Collins, 1988**..... **Cambrian**

1. *Sanctacaris uncata* Briggs & Collins, 1988* ..... Є Burgess Shale

## EUCHELICERATA Weygoldt & Paulus, 1979 ..... ?Cambrian – Recent

**STEM-EUCHELICERATA?**

† ***Offacolus*** **Orr, Siveter, Briggs, Siveter & Sutton, 2000** ..... **Silurian**

2. *Offacolus kingi* Orr, Siveter, Briggs, Siveter & Sutton, 2000* ..... S Herefordshire Lgst.

† ***Dibasterium*** **Briggs, Siveter, Siveter, Sutton, Garwood & Legg, 2012**..... **Silurian**

3. *Dibasterium durgae* Briggs, Siveter, Siveter, Sutton, Garwood & Legg, 2012* ..... S Herefordshire Lgst.

**EUCHELICERATA *INCERTAE SEDIS***

† ***Polystomurum*** **Novojilov, 1958** ..... **Devonian**

4. *Polystomurum stormeri* Novojilov, 1958* ..... D Voroneje, Siberia

† ***Thurandina*** **Størmer, 1974** ..... **Devonian**

5. *Thurandina waterstoni* Størmer, 1974* ..... D Alken an der Mosel

# XIPHOSURA *s. lat.*

103 currently valid species traditionally assigned to horseshoe crabs, of which 82 are unequivocal Xiphosura

- Lamsdell (2013) argued that Xiphosura may not be monophyletic and that a number of fossils traditionally placed as stem-group (synziphosurine) horseshoe crabs are actually stem-group euchelicerates. The list below attempts to reflect this position, whereby it should be noted that in this scheme the Planaterga clade would also include Chasmataspidida, Eurypterida and Arachnida and Planaterga is nested within Prosomapoda.

## PROSOMAPODA Lamsdell, 2013*a* ..... **Silurian – Recent**

FAMILY UNSPECIFIED

† ***Anderella*** **Moore, McKenzie & Lieberman, 2007** ..... **Carboniferous**

1. *Anderella parva* Moore, McKenzie & Lieberman, 2007* ..... C Bear Gulch

† ***Borchgrevinkium*** **Novojilov, 1959** ..... **Devonian**

2. *Borchgrevinkium taimyrensis* Novojilov, 1959* ..... D Taimyr, Siberia

† ***Camanchia*** **Moore, Briggs, Braddy & Shultz, 2011** ..... **Silurian**

3. *Camanchia grovensis* Moore, Briggs, Braddy & Shultz, 2011* ..... S Scotch Grove, Iowa

† ***Legrandella*** **Eldredge, 1974** ..... **Devonian**

4. *Legrandella lombardii* Eldredge, 1974* ..... D Cochabamba, Bolivia

† ***Venustulus*** **Moore, 2005 *in* Moore *et al*.** ..... **Silurian**

5. *Venustulus waukeshaensis* Moore, 2005 *in* Moore *et al*.* ..... S Waukesha Lgst.

† **WEINBERGINIDAE Richter & Richter, 1929** ..... **Devonian**

† ***Weinbergina*** **Richter & Richter, 1929** ..... **Devonian**

6. *Weinbergina opitzi* Richter & Richter, 1929* ..... D Hünsruckschiefer

## PLANATERGA Lamsdell, 2013*a* ..... **Silurian – Recent**

FAMILY UNSPECIFIED

† ***Bembicosoma*** **Laurie, 1899** ..... **Silurian**

7. *Bembicosoma pomphicus* Laurie, 1899* ..... S Pentland hills

† ***Cyamocephalus*** **Currie, 1927** ..... **Silurian**

8. *Cyamocephalus loganensis* Currie, 1927* ..... S Lesmahagow

† ***Pseudoniscus*** **Nieszkowski, 1859** ..... **Silurian**

= † *Neolimulus* Woodward, 1868*a*

9. *Pseudoniscus aculeatus* Nieszkowski, 1859* ..... S Saaremaa
10. *Pseudoniscus clarkei* Ruedemann, 1916 ..... S Pittsford, New York
11. *Pseudoniscus falcatus* (Woodward, 1868*a*) ..... S Lesmahagow
12. *Pseudoniscus roosevelti* Clarke, 1902 ..... S 'Bertie Waterlime'

† ***Bunaia*** **Clarke, 1919** ..... **Silurian**

13. '*Bunaia*' *heintzi* Størmer, 1934*a* ..... S Spitsbergen
14. *Bunaia woodwardi* Clarke, 1919* ..... S 'Bertie Waterlime'

† **BUNODIDAE Packard, 1896** ..... **Silurian**

† ***Bunodes* Eichwald, 1854** ..... **Silurian**

= † *Exapinurus* Nieszkowski, 1859

15. *Bunodes lunula* Eichwald, 1854* ..... S Saaremaa
    i. = *Bunodes rugosus* Eichwald, 1854 ..... S Saaremaa
    ii. = *Exapinurus schrenki* Nieszkowski, 1859 ..... S Saaremaa

† ***Limuloides* Woodward, 1865** ..... **Silurian**

= † *Hemiaspis* Woodward, 1864 [preoccupied]

16. *Limuloides limuloides* (Woodward, 1865) ..... S Ludlow
17. *Limuloides horridus* (Woodward, 1872*a*) ..... S Ludlow
18. *Limuloides salweyi* (Woodward, 1872*a*) ..... S Ludlow
    i. = *Hemiaspis tuberculatus* (Salter *in* Woodward, 1872*a*) S Ludlow
19. *Limuloides speratus* Woodward, 1872*a* ..... S Ludlow
    i. = *Hemiaspis optatus* (Salter *in* Woodward, 1872*a*) ..... S Ludlow

† ***Pasternakevia* Selden & Drygant, 1987** ..... **Silurian**

20. *Pasternakevia podolica* Selden & Drygant, 1987* ..... S Podolia

Planaterga *sensu* Lamsdell (2013*a*) also includes chasmataspids, eurypterids and arachnids

## XIPHOSURA Latreille, 1802 ..... Ordovician – Recent

= MEROSTOMATA Dana, 1852

FAMILY UNSPECIFIED

† ***Kiaeria* Størmer, 1934*b*** ..... **Silurian**

21. *Kiaeria limuloides* Størmer, 1934*b** ..... S Ringerike

† ***Maldybulakia* Tesakov & Alekseev, 1998** ..... **Devonian**

= † *Lophodesmus* Tesakov & Alekseev, 1992 [preoccupied]

NB: Originally described as possible myriapods

22. *Maldybulakia angusi* Edgecombe, 1998 ..... D New South Wales
23. *Maldybulakia malcomi* Edgecombe, 1998 ..... D New South Wales
24. *Maldybulakia mirabilis* (Tesakov & Alekseev, 1992)* ..... D Kazakhstan

† ***Willwerathia* Størmer, 1969** ..... **Devonian**

25. *Willwerathia laticeps* (Størmer, 1936*a*)* ..... D Willwerath

† **'KASIBELINURIDAE' Pickett, 1993** ..... **Devonian**

= † ELLERIDAE Raymond, 1944

NB: A paraphyletic family group *sensu* Lamsdell (2016).

† ***Elleria* Raymond, 1944** ..... **Devonian**

26. *Elleria morani* (Eller, 1938*b*)* ..... D Pennsylvania

† ***Kasibelinurus* Pickett, 1993** ..... **Devonian**

27. *Kasibelinurus amicorum* Pickett, 1993* ..... D New South Wales

28. *Kasibelinurus yueya* Lamsdell, Xue & Selden, 2013 ..... D Yunann, China

† ***Lunataspis* Rudkin, Young & Nowlan, 2008** ..... **Ordovician**

29. *Lunataspis aurora* Rudkin, Young & Nowlan, 2008 ..... O Manitobia

**possible kasibelinurids?**

30. '*Belinurus*' *alleghenyensis* Eller, 1938*a* ..... D New York State

31. '*Belinurus*' *carterae* Eller, 1940 ..... D Pennsylvania

32. *'Prestwichia' randalli* Beecher, 1902 ..... D Pennsylvania

## XIPHOSURIDA Latreille, 1802 ..... Ordovician – Recent

**family uncertain**

† **BELINURINA Zittel & Eastman, 1913** ..... **Carboniferous**

† **BELINURIDAE Zittel & Eastman, 1913** ..... **Carboniferous**

= † EUPROOPIDAE Eller, 1938*b*

= † LIOMESASPIDIDAE Raymond, 1944

† ***Alanops* Racheboeuf *et al*., 2002** ..... **Carboniferous**

33. *Alanops magnifica* Racheboeuf *et al*., 2002 ..... C Montceau-les-Mines

† ***Anacontium* Raymond, 1944** ..... **Permian**

34. *Anacontium brevis* Raymond, 1944 ..... P Oklahoma

35. *Anacontium carpenteri* Raymond, 1944 ..... P Oklahoma

† ***Bellinurus* Pictet, 1846** ..... **Carboniferous**

= † *Belinurus* König, 1851

= † *Steropsis* Baily, 1869

= † *Koenigiella* Raymond, 1944

NB: Pictet's 1846 name *Bellinurus* [*sic*] was based on a misspelling of *Belinurus* from König's unpublished plates, which themselves only became available posthumously as of 1851

36. *Bellinurus arcuatus* Baily, 1863 ..... C Coal Measues

37. *Bellinurus baldwini* Woodward, 1907*b* ..... C Coal Measues

38. *Bellinurus bellulus* Pictet, 1846 ..... C Coalbrookdale, UK

39. *Bellinurus carwayensis* Dix & Pringle, 1929 ..... C South Wales, UK

40. *Bellinurus concinnus* Dix & Pringle, 1929 ..... C South Wales, UK

41. *Bellinurus grandaevus* Jones & Woodward, 1899 ..... C Nova Scotia

42. *Bellinurus iswariensis* (Chernyshev, 1928) ..... C Donetz Basin

43. *Bellinurus kiltorkensis* Baily, 1869 ..... C Coal Measues

44. *Bellinurus koenigianus* Woodward, 1872*a* ..... C Coal Measues

45. *Bellinurus lacoei* Packard, 1885 ..... C Mazon Creek

46. *Bellinurus longicaudatus* Woodward, 1907*b* ..... C Coal Measues

47. *Bellinurus lunatus* (Martin, 1809) ..... C Mansfield, UK

48. *Bellinurus metschetensis* (Chernyshev, 1928) ..... C Donetz Basin

49. *Bellinurus morgani* Dix & Pringle, 1930 ..... C South Wales, UK
50. *Bellinurus pustulosus* Dix & Pringle, 1929 ..... C South Wales, UK
51. *Bellinurus reginae* Baily, 1863 ..... C Coal Measues
52. *Bellinurus stepanovi* (Chernyshev, 1928) ..... C Donetz Basin
53. *Bellinurus trechmanni* Woodward, 1918 ..... C Coal Measues
54. *Bellinurus trilobitoides* (Buckland, 1837)* ..... C Coalbrookdale, UK
55. *Bellinurus truemani* Dix & Pringle, 1929 ..... C South Wales, U

† ***Euproops* Meek, 1867** ..... **Carbon. – ?Permian**

= † *Prestwichia* Woodward, 1867 [preoccupied]

= † *Prestwichianella* Cockerell, 1905 [replacement name for *Prestwichia*]

56. *Euproops anthrax* (Prestwich, 1840) ..... C Coal Measues
57. *Euproops bifidus* Siegfried, 1972 ..... C Coal Measues
58. *Euproops cambrensis* Dix & Pringle, 1929 ..... C Coal Measues
59. *Euproops danae* (Meek & Worthen, 1865)* ..... C Coal Measures
    i. = *Euproops amiae* Woodward, 1918 ..... C Coal Measures
    ii. = *Euproops darrahi* Raymond, 1944 ..... C Coal Measures
    iii. = *Euproops graigolae* Dix & Pringle, 1929 ..... C South Wales
    iv. = *Euroops gwenti* Dix & Pringle, 1929 ..... C South Wales
    v. = *Euproops islwyni* Dix & Pringle, 1929 ..... C South Wales
    vi. = *Euproops kilmersdonensis* Ambrose & Romano, 1972 ..... C Kilmersdon, UK
    vii. = *Euproops laevicula* Raymond, 1944 ..... C Coal Measures
    viii. = *Euproops laticephalus* Raymond, 1944 ..... C Coal Measures
    ix. = *Euproops packardi* Willard & Jones, 1935 ..... C Coal Measures
    x. = *Prestwichia (Euproops) scheeleana* Ebert, 1892 ..... C Coal Measures
    xi. = *Euproops thompsoni* Raymond, 1944 ..... C Coal Measures
60. *Euproops longispina* Packard, 1885 ..... C Mazon Creek
61. *Euproops mariae* Crônier & Courville, 2005 ..... C Massif Central
62. *Euproops meeki* Dix & Pringle, 1929 ..... C South Wales
63. *Euproops nitida* Dix & Pringle, 1929 ..... C South Wales
64. *Euproops orientalis* Kobayashi, 1933 ..... ?P Korea
65. *Euproops rotundatus* Prestwich, 1840 ..... C Coal Measues

*Euproops* sp. *in* Brauckmann (1982) ..... C Piesberg, Germany

† ***Liomesaspis* Raymond, 1944** ..... **Carbon. – Permian**

= † *Pringlia* Raymond, 1944

= † *Palatinaspis* Malz & Poschmann, 1993

66. ?*Liomesaspis birtwelli* (Woodward, 1872*a*) ..... C Coal Measues
67. *Liomesaspis laevis* Raymond, 1944* ..... C Coal Measues
    xii. = *Palatinaspis beimbaueri* Malz & Poschmann, 1993 ..... C Saar-Nahe Basin
    xiii. = *Pringlia bispinosa* Raymond, 1944 ..... C Coal Measures
    xiv. = *Pringlia demaisterei* Vandenberghe, 1961 ..... C Coal Measures
    xv. = *Pringlia fritschi* Remy & Remy, 1959 ..... C Coal Measures
68. *Liomesaspis leonardensis* (Tasch, 1961) ..... P Annelly, Kansas

† ***Prolimulus*** **Frič, 1899** ..... **Carboniferous**

69. *Prolimulus woodwardi* Frič, 1899* ..... C Nýřany

**LIMULINA Richter & Richter, 1929** ..... **Carbon. – Recent**

Unnanmed specimen in Krause *et al*. (2009) ..... Tr Ohrdruf, Germany

† ***Bellinuroopsis*** **Chernyshev, 1933** ..... **Carboniferous**

= † *Neobelinuropsis* Eller, 1938*a*

70. *Bellinuroopsis rossicus* Chernyshev, 1933* ..... C Coal Measures

† **ROLFEIIDAE Selden & Siveter, 1987** ..... **Carboniferous**

† ***Rolfeia*** **Waterston, 1985** ..... **Carboniferous**

71. *Rolfeia fouldenensis* Waterston, 1985* ..... C Fouldon, Scotland

† **PALEOLIMULOIDEA Raymond, 1944** ..... **Carbon. – Jurassic**

† **PALEOLIMULIDAE Raymond, 1944** ..... **Carbon. – Jurassic**

= † MESOLIMULIDAE (Størmer, 1952) [in part; see Reik & Gill 1971]

= † MORAVURIDAE Příbyl, 1967

= † DUBBOLIMULIDAE Pickett, 1984

† ***Limulitella*** **Størmer, 1952** ..... **Triassic – Jurassic**

= † *Limulites* Schimper, 1853 [preoccupied]

*Limulitella* sp. *in* Hauschke *et al*. (2004) ..... Tr Madagascar

?*Limulitella* sp. *in* Hauschke & Wilde (2008) ..... Tr Dallau, Germany

?*Limulitella* sp. *in* Hauschke *et al*. (2009) ..... Tr Winterswijk

72. *Limulitella bronnii* (Schimper, 1853)* ..... Tr Grés á Voltzia

i. = *Limulus sandbergeri* Kirchner , 1923 ..... Tr Germany

73. *Limulitella henkeli* Fritsch, 1906 ..... Tr Halle, Germany

74. ?*Limulitella liasokeuperensis* (Braun, 1860) ..... J Germany

75. *Limulitella vicensis* (Bleicher, 1897) ..... Tr Lorraine

76. *Limulitella volgensis* Ponomarenko, 1985 ..... Tr Moscow

† ***Paleolimulus*** **Dunbar, 1923** ..... **Carbon. – Triassic**

= † *Dubbolimulus* Pickett, 1984

77. *Paleolimulus fuchsbergensis* Hauschke & Wilde, 1987 ..... Tr northwest Germany

78. *Paleolimulus jakovlevi* Glushenko *in* Glushenko & Ivanov, 1961 ..... P Novoselovka, Ukraine

79. ?*Paleolimulus juresanensis* Chernyshev, 1933 ..... C Ural region

80. *Paleolimulus longispinus* Schram, 1979 ..... C Bear Gulch, Montana

81. *Paleolimulus peetae* (Pickett, 1984) ..... Tr New South Wales

82. *Paleolimulus signatus* (Beecher, 1904) ..... C–P Kansas, Illinois

i. = *Paleolimulus avitus* Dunbar, 1923* ..... P Kansas

*Paleolimulus* sp. *in* Ewington *et al*. (1989) ..... P Tasmania

?*Palaeolimulus* sp. *in* Hauschke & Wilde (2000) ..... Tr Harz, Germany

† ***Xaniopyramis*** **Siveter & Selden, 1987** ..... **Carboniferous**

83. *Xaniopyramis linseyi* Siveter & Selden, 1987* ..... C Weardale, UK

**LIMULOIDEA Zittel, 1885** ..... **Carbon. – Recent**

unnamed specimen *in* Hauschke & Wilde (1989) ..... P Korbacher Bucht

† ***Casterolimulus* Holland, Erickson & O'Brien, 1975** ..... **Cretaceous**

84. *Casterolimulus kletti* Holland, Erickson & O'Brien, 1975* ..... K North Dakota

† ***Panduralimulus* Allen & Feldman, 2005** ..... **Permian**

85. *Panduralimulus babcocki* Allen & Feldman, 2005 ..... P Texas

† ***Valloisella* Racheboeuf, 1992** ..... **Carboniferous**

86. *Valloisella lievinensis* Racheboeuf, 1992* ..... C northern France

† **AUSTROLIMULIDAE Riek, 1955** ..... **Triassic**

† ***Austrolimulus* Riek, 1955** ..... **Triassic**

87. *Austrolimulus fletcheri* Riek, 1955* ..... Tr New South Wales

**LIMULIDAE Zittel, 1885** ..... **Triassic – Recent**

= † MESOLIMULIDAE (Størmer, 1952) [in part; see Reik & Gill 1971]

?Limulidae gen. et sp. indet *in* Hauschke *et al*. (1992) ..... Tr Rüdersdorf, Germany

† ***Crenatolimulus* Feldmann, Schweitzer, Dattilo & Farlow, 2011** ..... **Cretaceous**

88. *Crenatolimulus paluxyenis* Feldmann, Schweitzer, Dattilo & Farlow, 2011* ..... K Texas

***Limulus* Müller, 1785** ..... **Triassic – Recent**

89. *Limulus coffini* Reeside & Harris, 1952 ..... K Colorado

90. *Limulus darwini* Kin & Błażejowski, 2014 ..... J Kcynia, Poland

91. *"Limulus" decheni* Zinken, 1862 ..... Pa Teuchern, Germany

[NB: Hauschke & Wilde (2004) considered this intermediate between *Limulus* and *Tachypleus*]

92. *Limulus priscus* Münster, 1839 ..... Tr Rottweil, Germany

93. *Limulus woodwardi* Watson, 1909 ..... J Northamptonshire

† ***Mesolimulus* Størmer, 1952** ..... **Triassic – Cretaceous**

*Mesolimulus* sp. *in* Ross & Vannier (2002) ..... J southern England

94. *Mesolimulus crespelli* Via Boada, 1987 ..... Tr Tarragona, Spain

95. *Mesolimulus sibiricus* Ponomarenko, 1985 ..... J Siberia

96. *Mesolimulus walchi* (Desmarest, 1822)* ..... J Solnhofen, etc.

i. = *Limulus brevicauda* Münster *in* v. d. Hoeven, 1838 ..... J Solnhofen

ii. = *Limulus brevispina* Münster *in* v. d. Hoeven, 1838 ..... J Solnhofen

iii. = *Limulus intermedius* Münster *in* v. d. Hoeven, 1838 ..... J Solnhofen

iv. = *Limulus ornatus* Münster *in* v. d. Hoeven, 1838 ..... J Solnhofen

v. = *Limulus sulcatus* Münster *in* v. d. Hoeven, 1838 ..... J Solnhofen

vi. = *Limulus giganteus* Münster, 1840 ..... J Solnhofen

NB: not entirely clearly that all these names have been formally synonymised

† ***Psammolimulus* Lange, 1923** ..... **Triassic**

97. *Psammolimulus gottingensis* Lange, 1923* ..... Tr Göttingen, Germany

***Tachypleus* Leach, 1819** ..... **Triassic – Recent**

= † *Heterolimulus* Via Boada & Villalta, 1966

98. *Tachypleus gadeai* (Via Boada & Villalta, 1966) ..... Tr Tarragona, Spain

99. *Tachypleus syriacus* (Woodward, 1879) ..... K Lebanon

† ***Tarracolimulus* Romero & Via Boada, 1977** ..... **Triassic**

100. *Tarracolimulus rieki* Romero & Via Boada, 1977* ..... Tr Tarragona, Spain

† ***Victalimulus* Riek & Gill, 1971** ..... **Cretaceous**

101. *Victalimulus mcqueeni* Riek & Gill, 1971* ..... K Koonwarra

† ***Yunnanolimulus* Zhang, Hu, Zhou, Iv & Bai, 2009** ..... **Triassic**

102. *Yunnanolimulus luopingensis* Zhang, Hu, Zhou, Iv & Bai, 2009* ..... Tr Luoping, China

*INCERTAE SEDIS*

† ***Belinuropsis* Matthew 1910**

103. *Belinuropsis wigudensis* Matthew, 1910 ..... C Coal Measures

*NOMEN DUBIUM*

1. *Limulus nathorsti* Jackson, 1906 ..... J southern Sweden

*NOMINA NUDA*

1. *Euproops rotunda major* (Woodward, 1907) ..... C Sparth Bottoms
2. *Veltheimia bicorns* Beyschlag & von Fritsch, 1899 ..... C? Rotliegend

MISIDENTIFICATIONS

1. *Belinurus carterae* Eller, 1940 [synonym of *P. eriensis*; see below]
2. *Bifarius comptae* Tasch, 1961 [insect] ..... P Kansas
3. *Eolimulus alatus* Moberg, 1892 [doubtful xiphosuran] ..... Є Öland, Sweden
4. *Elmocephalus carltonensis* (Tasch, 1963) [?crustacean] ..... P Kansas
5. *Hemiaspis tunnecliffei* Chapman, 1932 [trilobite] ..... S Victoria
6. *Hypatocephala rugosa* Tasch, 1961 [insect] ..... P Kansas
7. *Lemoneites ambiguus* Flower, 1969 [Echinodermata] ..... O Texas
8. *Lemoneites gomphocaudatus* Flower, 1969 [Echinodermata] ..... O Texas
9. *Lemoneites mirabilis* Flower, 1969 [Echinodermata] ..... O Texas
10. *Lemoneites simplex* Flower, 1969 [Echinodermata] ..... O Texas
11. *Pincombella belmontensis* Chapman, 1932 [insect – Hemiptera] ..... P New South Wales
12. *Permolimulinella raris* Tasch, 1963 [insect] ..... P Kansas
13. *Strongylocephalus charactis* Tasch, 1961 [insect] ..... P Kansas
14. *Protolimulus eriensis* [Xiphosuran trace fossil: see *Selenichnites*]

4 Recent species

# CHASMATASPIDIDA

11 currently valid species of fossil chasmataspidid

- there are some doubts about the monophyly of Chasmataspidida

† **CHASMATASPIDIDA Caster & Brooks, 1956** ..... **?Camb. – Devonian**

= † DIPLOASPIDIDA Simonetta & Delle Cave, 1978

† **CHASMATASPIDIDAE Caster & Brooks, 1956** ..... **?Camb. – Ordovician**

† ***Chasmataspis*** **Caster & Brooks, 1956** ..... **?Camb. – Ordovician**

?*Chasmataspis* sp. resting traces *in* Dunlop *et al*. (2004) ..... Є Texas

1. *Chasmataspis laurencii* Caster & Brooks, 1956* ..... O Tennessee

† **DIPLOASPIDIDAE Størmer, 1972** ..... **Silurian – Devonian**

= † HETEROASPIDIDAE Størmer, 1972

† ***Achanarraspis*** **Anderson, Dunlop & Trewin, 2000** ..... **Devonian**

2. *Achanarraspis reedi* Anderson, Dunlop & Trewin, 2000* ..... D Achanarras, Scotland

† ***Diploaspis*** **Størmer, 1972** ..... **Devonian**

3. *Diploaspis casteri* Størmer, 1972* ..... D Alken an der Mosel
4. *Diploaspis muelleri* Poschmann, Anderson & Dunlop, 2005 ..... D Hombach, Germany

† ***Dvulikiaspis*** **Marshall, Lamsdell, Shpinev & Braddy, 2014** ..... **Devonian**

5. *Dvulikiaspis menneri* (Novojilov, 1959)* ..... D Siberia

† ***Forfarella*** **Dunlop, Anderson & Braddy, 1999** ..... **Devonian**

6. *Forfarella mitchelli* Dunlop, Anderson & Braddy, 1999* ..... D Arbroath, Scotland

† ***Heteroaspis*** **Størmer, 1972**

7. *Heteroaspis stoermeri* (Novojilov, 1959)* ..... D Siberia; Alken
   i. = *Heteroaspis novojilovi* Størmer, 1972 ..... D Alken an der Mosel

† ***Loganamaraspis*** **Tetlie & Braddy, 2004*a*** ..... **Silurian**

8. *Loganamaraspis dunlopi* Tetlie & Braddy, 2004*a** ..... S Lesmahagow

† ***Nahlyostaspis*** **Marshall, Lamsdell, Shpinev & Braddy, 2014** ..... **Devonian**

9. *Nahlyostaspis bergstroemi* Marshall, Lamsdell, Shpinev & Braddy, 2014* ..... D Siberia

† ***Octoberaspis*** **Dunlop, 2002** ..... **Devonian**

10. *Octoberaspis ushakovi* Dunlop, 2002* ..... D October Rev. Is

† ***Skrytyaspis*** **Marshall, Lamsdell, Shpinev & Braddy, 2014** ..... **Devonian**

11. *Skrytyaspis andersoni* Marshall, Lamsdell, Shpinev & Braddy, 2014* .... D Siberia

no Recent species

# EURYPTERIDA

250 currently valid species of fossil sea scorpion

- Tollerton (1989) suggested removing Hibbertopteroidea from Euryperida *s.s.*, but this has not been adopted by subsequent workers and they are treated here as derived stylonurid eurypterids

† **EURYPTERIDA Burmeister, 1843** ..... **Ordovician – Permian**

= † GIGANTOSTRACA Haeckel, 1866

= † CYRTOCTENIDA Størmer & Waterston, 1968

† **STYLONURINA Diener, 1924** ..... **Ordovician – Permian**

= † WOODWARDOPTERINA Kjellesvig-Waering, 1959

= † HIBBERTOPTERINA Størmer, 1974

† **RHENOPTEROIDEA Størmer, 1951** ..... **Ordovician – Devonian**

= † BRACHYOPTERELLOIDEA Tollerton, 1989

† **RHENOPTERIDAE Størmer, 1951** ..... **Ordovician – Devonian**

= † BRACHYOPTERELLIDAE Tollerton, 1989

† ***Brachyopterella* Kjellesvig-Waering, 1966*a*** ..... **Silurian**

1. *Brachyopterella pentagonalis* (Størmer, 1934*b*)* ..... S Ringerike, Norway
2. *Brachyopterella ritchiei* Waterston, 1979 ..... S Slot Burn, Scotland

† ***Brachyopterus* Størmer, 1951** ..... **Ordovician**

3. *Brachyopterus stubblefieldi* Størmer, 1951* ..... O Montgomeryshire

† ***Kiaeropterus* Waterston, 1979** ..... **Silurian**

4. *Kiaeropterus cyclophthalmus* (Laurie, 1892) ..... S Pentland Hills, Scotl.
5. *Kiaeropterus ruedemanni* (Størmer, 1934*b*)* ..... S Ringerike, Norway

† ***Leiopterella* Lamsdell, Braddy, Loeffler & Dineley, 2010** ..... **Devonian**

6. *Leiopterella tetliei* Lamsdell, Braddy, Loeffler & Dineley, 2010 ..... D Nunavut, Canada

† ***Rhenopterus* Størmer, 1936*a*** ..... **Devonian**

7. *Rhenopterus diensti* Størmer, 1936*a** ..... D Willwerath, Germ.
   i. = *Rhenopterus latus* Størmer, 1936*a* ..... D Willwerath, Germ.
8. *Rhenopterus macrotuberculatus* Størmer, 1974 ..... D Alken an der Mosel
9. *Rhenopterus tuberculatus* Størmer, 1936*a* ..... D Overath, Germ.

† **STYLONUROIDEA Kjellesvig-Waering, 1959** ..... **Silurian – Devonian**

† **PARASTYLONURIDAE Waterston, 1979** ..... **Siliurian – Devonian**

† ***Parastylonurus* Kjellesvig-Waering, 1966*a*** ..... **Silurian**

10. *Parastylonurus hendersoni* Waterston, 1979 ..... S Pentland Hills, Scotl.
11. *Parastylonurus ornatus* (Laurie, 1892)* ..... S Scotland
12. ?*Parastylonurus sigmoidalis* Kjellesvig-Waering, 1971 ..... S Shropshire, UK

† ***Stylonurella*** **Kjellesvig-Waering, 1966*a*** ..... **Silurian – Devonian**

13. *Stylonurella* ?*arnoldi* (Ehlers, 1935) ..... D Pennsylvania, USA
14. *Stylonurella* ?*beecheri* (Hall, 1884*c*) ..... D Pennsylvania, USA
15. *Stylonurella spinipes* (Page, 1859)* ..... S Kip Burn, Scotland
    i. = *Stylonurus logani* Woodward, 1872 ..... S Kip Burn, Scotland

† **STYLONURIDAE Diener, 1924** ..... **Silurian–Devonian**

= † LAURIEIPTERIDAE Kjellesvig-Waering, 1966*a*

= † PAGEIDAE Kjellesvig-Waering, 1966*a*

† ***Ctenopterus*** **Clarke & Ruedemann, 1912** ..... **Silurian**

16. *Ctenopterus cestrotus* (Clarke, 1907)* ..... S Otisville, New York

† ***Laurieipterus*** **Kjellesvig-Waering, 1966*a*** ..... **Silurian**

17. *Laurieipterus elegans* (Laurie, 1899)* ..... S Pentland Hills, Scotl.

† ***Pagea*** **Waterston, 1962** ..... **Devonian**

18. *Pagea plotnicki* Lamsdell, Braddy, Loeffler & Dineley, 2010 ..... D Nunavut, Canada
19. *Pagea sturrocki* Waterston, 1962* ..... D Old Red Sandstone
20. *Pagea symondsii* (Salter, 1859) ..... D Old Red Sandstone

† ***Stylonurus*** **Page, 1856** ..... **Devonian**

21. *Stylonurus powriensis* Page, 1856* ..... D Mid. Valley Scotland
    i. = *Stylonurus ensiformis* Woodward, 1864 ..... D Mid. Valley Scotland
22. ?*Stylonurus shaffneri* Willard, 1933 ..... D Pennsylvania

† **KOKOMOPTEROIDEA Kjellesvig-Waering, 1966*a*** ..... **Silurian**

† **KOKOMOPTERIDAE Kjellesvig-Waering, 1966*a*** ..... **Silurian**

† ***Kokomopterus*** **Kjellesvig-Waering, 1966*a*** ..... **Silurian**

23. *Kokomopterus longicaudatus* (Clarke & Ruedemann, 1912)* ..... S Kokomo, Indiana

† ***Lamontopterus*** **Waterston, 1979** ..... **Silurian**

24. *Lamontopterus knoxae* (Lamont, 1955)* ..... S Pentland Hills, Scotl.

† **HARDIEOPTERIDAE Tollerton, 1989** ..... **Silurian – Devonian**

† ***Hallipterus*** **Kjellesvig-Waering, 1963*a*** ..... **Devonian**

25. *Hallipterus excelsior* (Hall, 1884*a*)* ..... D New York
    i. = *Dolichocephala lacoana* Claypole, 1883 ..... D Pennsylvania

† ***Hardieopterus*** **Waterston, 1979** ..... **Silurian**

26. ?*Hardieopterus lanarkensis* Waterston, 1979 ..... S Patrick Burn, Scotl.
27. *Hardieopterus macrophthalmus* (Laurie, 1892)* ..... S Pentland Hills, Scotl.
28. *Hardieopterus megalops* (Salter, 1859) ..... S Herefordshire, Engl.
29. *Hardieopterus myops* (Clarke, 1907) ..... S eastern USA

† ***Tarsopterella*** **Størmer, 1951** ..... **Devonian**

30. *Tarsopterella scotica* (Woodward, 1872)* ..... D Mid. Valley Scotland
    i. = *?Erieopterus brewsteri* Woodward, 1864 ..... D Mid. Valley Scotland
    ii. = *Stylonurus armatus* Page, 1867 ..... D Mid. Valley Scotland

† **MYCTEROPOIDEA Cope, 1886** ..... **Silurian – Permian**

= † **HIBBERTOPTEROIDEA Kjellesvig-Waering, 1959**

† **DREPANOPTERIDAE Kjellesvig-Waering, 1966*a*** ..... **Silurian – Devonian**

† ***Drepanopterus*** **Laurie, 1892** ..... **Silurian – Devonian**

31. *Drepanopterus abonensis* Simpson, 1951 ..... D Portishead, England
32. *Drepanopterus odontospathus* Lamsdell, 2012..... D Arctic Canada
33. *Drepanopterus pentlandicus* Laurie, 1892* ..... S Pentland Hills, Scotl.

† **HIBBERTOPTERIDAE Kjellesvig-Waering, 1959** ..... **Devonain – Permian**

= † CYRTOCTENIDAE Waterston, Oelofsen & Oosthuizen, 1985

† ***Campylocephalus*** **Eichwald, 1860** ..... **Carboniferous – Perm.**

34. *Campylocephalus oculatus* (Kutorga, 1838)* ..... P Dourasovo, Russia
35. *Campylocephalus permianus* (Ponomarenko, 1985)..... P Komi, Russia
36. ?*Campylocephalus salmi* Stur, 1877 ..... C Ostrava, Czech Rep.

† ***Cyrtoctenus*** **Størmer & Waterston, 1968** ..... **Devonian – Carbon.**

37. *Cyrtoctenus caledonicus* (Salter, 1863) ..... C East Lothian, Scotl.
38. *Cyrtoctenus dewalquei* (Fraipont, 1889) ..... D Pont-de-Bonne, Belg.
    i. = *Eurypterus dewalquei* var. *longimanus* Fraipont, 1889 ..... D Pont-de-Bonne, Belg.
39. *Cyrtoctenus dicki* (Peach, 1883) ..... C Thurso, Scotland
40. *Cyrtoctenus ostraviensis* (Augusta & Přibyl, 1951) ..... C Ostrava, Czech Rep.
41. *Cyrtoctenus peachi* Størmer & Waterston, 1968* ..... C Berwickshire, Scotl.
42. *Cyrtoctenus wittebergensis* Waterston, Oelofsen & Oosthuizen, 1985 ... C Cape Province

† ***Dunsopterus*** **Waterston, 1968** ..... **Carboniferous**

43. *Dunsopterus stevensoni* (Etheridge Jr, 1877)* ..... C Berwickshire, Scotl.

† ***Hastimima*** **White, 1908** ..... **Permian**

44. *Hastimima whitei* White, 1908* ..... P Brazil

† ***Hibbertopterus*** **Kjellesvig-Waering, 1959** ..... **Carboniferous – Perm.**

45. ?*Hibbertopterus hibernicus* (Baily, 1872) ..... C Kiltorcan, Ireland
46. *Hibbertopterus scouleri* (Hibbert, 1836)*..... C West Lothian, Scotl.

† ***Vernonopterus*** **Waterston, 1957** ..... **Carboniferous**

47. *Vernonopterus minutisculptus* (Peach, 1907)* ..... C Lanarkshire, Scotland

† **MYCTEROPIDAE Cope, 1886** ..... **Carboniferous – Perm.**

= † WOODWARDOPTERIDAE Kjellesvig-Waering, 1959

† ***Megarachne*** **Hünicken, 1980** ..... **Carboniferous – Perm.**

48. *Megarachne servinei* Hünicken, 1980* ..... C–P Santa Rosa, Arge.

† ***Mycterops*** **Cope, 1886** ..... **Carboniferous**

49. ?*Mycterops blairi* Waterston, 1968 ..... C Loanhead, Scotland
50. *Mycterops matthieui* Pruvost, 1924 ..... C Charleroi, Belgium
51. *Mycterops ordinatus* Cope, 1886*..... C Channelton, PA

52. ?*Mycterops whitei* Schram, 1984 ..... C Crescent, Iowa

† ***Woodwardopterus* Kjellesvig-Waering, 1959** ..... **Carboniferous**

53. *Woodwardopterus scabrosus* (Woodward, 1887)* ..... C Glencartholm, Scotl.

**STYLONURINA *incertae sedis***

† ***Stylonuroides* Kjellesvig-Waering, 1966*a*** ..... **Silurian – Devonian**

54. *Stylonuroides dolichopteroides* (Størmer, 1934*b*)* ..... S Ringerike, Norway

55. *Stylonuroides orientalis* Shpinev, 2012 ..... D Lake Shunet, Siberia

† **EURYPTERINA Burmeister, 1843** ..... **Ordovician – Permian**

† **ONYCHOPTERELLOIDEA Lamsdell, 2011** ..... **Ordovician–Silurian**

† **ONYCHOPTERELLIDAE Lamsdell, 2011** ..... **Ordovician–Silurian**

= † ALKENOPTERIDAE Poschmann & Tetlie, 2004

NB: priority of the family names must be clarified

† ***Alkenopterus* Størmer, 1974** ..... **Devonian**

56. *Alkenopterus brevitelson* Størmer, 1974* ..... D Alken an der Mosel

57. *Alkenopterus burglahrensis* Poschmann & Tetlie, 2004 ..... D Westerwald, Germ.

† ***Onychopterella* Størmer, 1951** ..... **Ordovician–Silurian**

58. *Onychopterella augusti* Braddy, Aldridge & Theron, 1995 ..... O Soom Shale, S. Afr.

59. *Onychopterella kokomoensis* (Miller & Gurley, 1896)* ..... S Kokomo, Indiana

i. = *Eurypterus ranilarva* Clarke & Ruedemann, 1912 ..... S Kokomo, Indiana

60. ?*Onychopterella pumilus* (Savage, 1916) ..... S Essex, Illinois

† ***Tylopterella* Størmer, 1951** ..... **Silurian**

61. *Tylopterella boylei* (Whiteaves, 1884) ..... S Ontario, Canada

† **MOSELOPTEROIDEA Lamsdell, Braddy & Tetlie, 2010** ..... **Silurian – Devonian**

† **MOSELOPTERIDAE Lamsdell, Braddy & Tetlie, 2010** ..... **Devonian**

† ***Moselopterus* Størmer, 1974** ..... **Devonian**

62. *Moselopterus ancylotelson* Størmer, 1974* ..... D Alken an der Mosel

63. *Moselopterus elongatus* Størmer, 1974 ..... D Alken an der Mosel

64. *Moselopterus lancmani* (Delle, 1937) ..... D Plavinas, Latvia

† ***Stoemeropterus* Lamsdell, 2011** ..... **Silurian**

65. *Stoermeropterus conicus* (Laurie, 1892)* ..... S Pentland Hills

i. = *Drepanopterus bembycoides* Laurie, 1899 ..... S Pentland Hills

ii. = *Drepanopterus lobatus* Laurie, 1899 ..... S Pentland Hills

66. *Stoermeropterus latus* (Størmer, 1934*b*) ..... S Ringerike, Norway

67. *Stoermeropterus nodosus* (Kjellesvig-Waering & Leutze, 1966) ..... S Bass, West Virginia

† ***Vinetopterus* Poschmann & Tetlie, 2004** ..... **Devonian**

68. *Vinetopterus martini* Poschmann & Tetlie, 2004 ..... D Westerwald, Germ.

69. *Vinetopterus struvei* (Størmer, 1974)* ..... D Alken an der Mosel

† **MEGALOGRAPTOIDEA Caster & Kjellesvig-Waering, 1955** ..... **Ordovician**

† **MEGALOGRAPTIDAE Caster & Kjellesvig-Waering, 1955** ..... **Ordovician**

† ***Echinognathus*** **Walcott, 1882** ..... **Ordovician**

70. *Echinognathus clevelandi* Walcott, 1882* ..... O New York

† ***Megalograptus*** **Miller, 1874** ..... **Ordovician**

71. *Megalograptus alveolatus* (Shuler, 1915) ..... O Virginia
72. *Megalograptus ohioensis* Caster & Kjellesvig-Waering, 1955 ..... O Ohio
73. *Megalograptus shideleri* Caster & Kjellesvig-Waering, 1964 ..... O Ohio
74. *Megalograptus welchi* Miller, 1874* ..... O Ohio
75. *Megalograptus williamsae* Caster & Kjellesvig-Waering, 1964 ..... O Ohio

† **'EURYPTEROIDEA' Burmeister, 1843** ..... **Ordovician – Devonian**

NB: Lamsdell *et al*. (2013) questioned the monophyly of this superfamily

Family uncertain

† ***Pentlandopterus*** **Lamsdell, Hoşgör & Selden, 2013** ..... **Ordovician**

76. *Pentlandopterus minor* (Laurie, 1899)* ..... S Pentland Hills, Scotl.

† ***Paraeurypterus*** **Lamsdell, Hoşgör & Selden, 2013** ..... **Ordovician**

77. *Paraeurypterus anatoliensis* Lamsdell, Hoşgör & Selden, 2013*..... O Şort Tepe, Turkey

† **DOLICHOPTERIDAE Kjellesvig-Waering & Størmer, 1952** ..... **Silurian – Devonian**

† ***Clarkeipterus*** **Kjellesvig-Waering, 1966 [a/b?]** ..... **Silurian**

78. *Clarkeipterus ?otisius* (Clarke, 1907) ..... S eastern USA
79. *Clarkeipterus testudineus* (Clarke & Ruedeman, 1912)* ..... S New York

† ***Dolichopterus*** **Hall, 1859** ..... **Silurian**

80. *Dolichopterus gotlandicus* Kjellesvig-Waering, 1979..... S Gotland, Sweden
81. *Dolichopterus jewetti* Caster & Kjellesvig-Waering, 1956 ..... S New York
82. *Dolichopterus macrocheirus* Hall, 1859*..... S New York / Canada
83. *Dolichopterus siluriceps* Clarke & Ruedemann, 1912..... S New York / Canada

† ***Ruedemannipterus*** **Kjellesvig-Waering, 1966** ..... **Silurian**

84. *Ruedemannipterus stylonuroides* (Clarke & Ruedemann, 1912)*..... S Otisville, New York

† **EURYPTERIDAE Burmeister, 1843** ..... **Silurian**

† ***Eurypterus*** **de Kay, 1825** ..... **Silurian**

= † *Baltoeurypterus* Størmer, 1973

85. ?*Eurypterus cephalaspis* Salter, 1856 ..... S Herefordshire, Engl.
86. *Eurypterus dekayi* Hall, 1859 ..... S New York / Ontario
87. *Eurypterus flintstonensis* Swartz, 1923 ..... S eastern USA
88. *Eurypterus hankeni* Tetlie, 2006*a* ..... S Ringerike, Norway
89. *Eurypterus henningsmoeni* (Tetlie, 2002)..... S Bærum, Norway
90. *Eurypterus laculatus* Kjellesvig-Waering, 1958 ..... S New York / Ontario
91. *Eurypterus lacustris* Harlan, 1834 ..... S New York / Ontario
    i. = *Eurypterus pachycheirus* Hall, 1859 ..... S New York / Ontario
    ii. = *Eurypterus robustus* Hall, 1859 ..... S New York / Ontario

92. *Eurypterus leopoldi* Tetlie, 2006*a* ..... S Somerset Is., Canada
93. *Eurypterus megalops* Clarke & Ruedemann, 1912 ..... S New York
94. *Eurypterus ornatus* Leutze, 1958 ..... S Fayette, Ohio
95. *Eurypterus pittsfordensis* Sarle, 1903 ..... S Pittsford, New York
96. *Eurypterus quebecensis* Kjellesvig-Waering, 1958 ..... S Quebéc, Canada
97. *Eurypterus remipes* DeKay, 1825* ..... S New York / Ontario
    i. = *Carcinosoma trigona* (Ruedemann, 1916)..... S New York
98. *Eurypterus serratus* (Jones & Woodward, 1888) ..... S Gotland, Sweden
99. *Eurypterus tetragonophthalmus* Fischer, 1839 ..... S Saaremaa, Estonia
    i. = *Eurypterus fischeri* Eichwald, 1854 ..... S Estonia / Ukraine
    ii. = *Eurypterus fischeri* var. *rectangularis* Schmidt, 1883... S Saaremaa, Estonia

† **ERIEOPTERIDAE Tollerton, 1989** ..... **Silurian – Devonian**

† ***Erieopterus* Kjellesvig-Waering, 1958** ..... **Silurian – Devonian**

100. *Erieopterus eriensis* (Whitfield, 1882)..... S Ohio
101. *Erieopterus hypsophthalmus* Kjellesvig-Waering, 1958..... S Ohio
102. ?*Erieopterus laticeps* (Schmidt, 1883) ..... S Saaremaa, Ringerike
103. ?*Erieopterus limuloides* (Kjellesvig-Waering, 1948*a*) ..... S Kokomo, Indiana
104. *Erieopterus microphthalmus* (Hall, 1859)*..... D New York / Canada
105. ?*Erieopterus phillipsensis* Copeland, 1971..... S Cornwallis Is. Canada
106. *?Erieopterus statzi* Størmer, 1936*a* ..... D Siegburg, Germany
107. ?*Erieopterus turgidus* Stumm & Kjellesvig-Waering, 1962 ..... S Michigan

† **STROBILOPTERIDAE Lamsdell & Selden, 2013** ..... **Silurian – Devonian**

† ***Buffalopterus* Kjellesvig-Waering & Heubusch, 1962**..... **Silurian**

108. *Buffalopterus pustulosus* (Hall, 1859)*..... S New York / Ontario
    i. = *Eurypterus giganteus* Pohlman, 1882..... S New York / Ontario
    ii. = *Pterygotus globicaudatus* Pohlman, 1882..... S New York / Ontario

† ***Strobilopterus* Ruedemann, 1935** ..... **Silurian – Devonian**

    = † *Syntomopterus* Kjellesvig-Waering, 1961 [preoccupied]
    = † *Syntomopterella* Tetlie, 2007 [replacement name]

109. *Strobilopterus laticeps* (Schmidt, 1883) ..... S Saaremaa, Estonia
    i. = *Dolichopterus stoermeri* Caster & Kjellesvig-Waering, 1956 ..... S Saaremaa, Estonia
110. *Strobilopterus princetonii* (Ruedemann, 1934)* ..... D Wyoming, USA
    i. = *Erieopterus latus* Ruedemann, 1935 ..... D Wyoming, USA
111. *Strobilopterus proteus* Lamsdell & Selden, 2013 ..... D Wyoming, USA
112. *Strobilopterus richardsoni* (Kjellesvig-Waering, 1961*a**) ..... D Ohio

† **DIPLOPERCULATA Lamsdell, Hoşgör & Selden, 2013** ..... **Ordovician – Devonian**

† **CARCINOSOMATOIDEA Størmer, 1934*b*** ..... **Ordovician – Devonian**

    = † MIXOPTEROIDEA Caster & Kjellesvig-Waering, 1955

† **CARCINOSOMATIDAE Størmer, 1934*b*** ..... **Ordovician – Devonian**

† ***Carcinosoma*** **Claypole, 1890*b***..... **Silurian**

= † *Eurysoma* Claypole, 1890*a* [preoccupied]

113. ?*Carcinosoma harleyi* Kjellesvig-Waering, 1961*b* ..... S England

114. *Carcinosoma libertyi* Copeland & Bolton, 1960 ..... S Manitoulin I., Canada

115. *Carcinosoma newlini* (Claypole, 1890*a*)* ..... S Kokomo, Indiana

i. = *Carcinosoma ingens* Claypole, 1894 ..... S Kokomo, Indiana

116. ?*Carcinosoma punctatum* (Salter *in* Huxley & Salter, 1859) ..... S England

117. *Carcinosoma scorpioides* (Woodward, 1868)..... S Lesmahagow

i. = *Pterygotus raniceps* Woodward, 1868 ..... S Lesmahagow

118. *Carcinosoma scoticus* (Laurie, 1899)..... S Pentland Hills, Scotl.

119. ?*Carcinosoma spiniferum* Kjellesvig-Waering & Heubusch, 1962 ..... S Pittsford, New York

† ***Eocarcinosoma*** **Caster & Kjellesvig-Waering, 1964** ..... **Ordovician**

120. *Eocarcinosoma batrachophthalmus* Caster & Kjellesvig-Waering, 1964* ..... O Ohio

† ***Eusarcana*** **Strand, 1942**..... **Silurian – Devonian**

= † *Eusarcus* Grote & Pitt, 1875 [preoccupied]

= † *Paracarcinosoma* Caster & Kjellesvig-Waering, 1964

121. *Eusarcana acrocephalus* (Semper, 1898)..... S–D Barrandian area

122. *Eusarcana obesus* (Woodward, 1868)..... S Lesmahagow

123. *Eusarcana scorpionis* (Grote & Pitt, 1875)*..... S New York / Ontario

† ***Rhinocarcinosoma*** **Novojilov, 1962** ..... **Silurian**

124. *Rhinocarcinosoma cicerops* (Clarke, 1907) ..... S Otisville, New York

125. *Rhinocarcinosoma dosonensis* Braddy, Selden & Doan Nhat, 2002 ..... S Dô Son, Vietnam

126. *Rhinocarcinosoma vaningeni* (Clarke & Ruedemann, 1912)*..... S Clinton, New York

† **MIXOPTERIDAE Caster & Kjellesvig-Waering, 1955** ..... **Silurian**

= † LANARKOPTERIDAE Tollerton, 1989

† ***Lanarkopterus*** **Ritchie, 1968** ..... **Silurian**

127. *Lanarkopterus dolichoschelus* (Størmer, 1936*b*)*..... S Scotland

† ***Mixopterus*** **Ruedemann, 1921** ..... **Silurian**

128. *Mixopterus kiaeri* Størmer, 1934*b* ..... S Ringerike, Norway

129. *Mixopterus multispinosus* (Clarke & Ruedemann, 1912)*..... S New York

130. *Mixopterus simonsoni* Schmidt, 1883 ..... S Saaremaa, Estonia

† **'WAERINGOPTEROIDEA'**..... **Silurian – Devonian**

NB: Superfamily name appears to be derived from a thesis; a family Waeringopteridae has not been formally published

† ***Grossopterus*** **Størmer, 1934*c*** ..... **Devonian**

131. *Grossopterus overathi* (Gross, 1933)* ..... D Overath

132. *Grossopterus inexpectans* (Ruedemann, 1921) ..... D Gilboa

† ***Orcanopterus*** **Stott, Tetlie, Braddy, Nowlan, Glasser & Devereux, 2005** ..... **Ordovician**

133. *Orcanopterus manitoulinensis* Stott, Tetlie, Braddy, Nowlan, Glasser & Devereux, 2005* ..... O Manitoulin I., Canada

† ***Waeringopterus* Leutze, 1961** ..... **Silurian**

134. *Waeringopterus apfeli* Leutze, 1961 ..... S New York / Ontario

135. *Waeringopterus cumberlandicus* (Swartz, 1923)* ..... S West Virginia

i. = *Eurypterus swartzi* Kjellesvig-Waering, 1958 ..... S West Virginia

† **ADELOPHTHALMOIDEA Tollerton, 1989** ..... **Devonian – Permian**

† **ADELOPHTHALMIDAE Tollerton, 1989** ..... **Devonian – Permian**

† ***Adelopthalmus* Jordan *in* Jordan & von Mayer, 1854** ..... **Devonian – Permian**

= † *Lepidoderma* Reuss, 1855

= † *Anthraconectes* Meek & Worthen, 1868 [a/b?]

= † *Polyzosternites* Goldenberg, 1873

= † *Glyptoscorpius* Peach, 1882

136. *Adelophthalmus approximatus* (Hall & Clarke, 1888) ..... C Pennsylvania, USA

137. *Adelophthalmus asturica* (Melendez, 1971) ..... C d'Ablana, Spain

138. *Adelophthalmus bradorensis* (Bell, 1922) ..... C N. Campbelltown

139. *Adelophthalmus cambieri* (Pruvost, 1930) ..... C Charleroi, Belgium

140. ?*Adelophthalmus carbonarius* (Chernyshev, 1933) ..... C Donets, Ukraine

141. *Adelophthalmus chinensis* (Grabau, 1920) ..... C–P Zhaozezhuang

142. *Adelophthalmus corneti* (Pruvost, 1939) ..... C Quaregnon, Belgium

143. *Adelophthalmus douvillei* (de Lima, 1890) ..... P Bussaco, Portugal

144. *Adelophthalmus dumonti* (Stainier, 1917) ..... C Mechelen-sur-Meuse

145. *Adelophthalmus granosus* Jordan *in* Jordan & von Meyer, 1854* ..... C Saarbrücken, Germ.

146. *Adelophthalmus imhofi* (Reuss, 1855) ..... C Vlkys, Czech Rep.

147. *Adelophthalmus irinae* Shpinev, 2006 ..... C Krasnoyarsk, Russia

148. *Adelophthalmus kidstoni* (Peach, 1888) ..... C Radstock, England

149. *?Adelophthalmus lohesti* (Dewalque *in* Fraipont 1889) ..... D Pont de Bonne, Belg.

150. *Adelophthalmus luceroensis* Kues & Kietzke, 1981 ..... P New Mexico

151. *Adelophthalmus mansfieldi* (Hall, 1877) ..... C Pennsylvania

i. = *Eurypterus stylus* Hall, 1884 ..... C Pennsylvania

152. *Adelophthalmus mazonensis* (Meek & Worthen, 1868) ..... C Illinois

153. *Adelophthalmus moyseyi* (Woodward, 1907*a*) ..... C Ilkeston, Blaengarw

i. = *Eurypterus derbiensis* Woodward, 1907*a* ..... C Ilkeston, England

154. *Adelophthalmus nebraskensis* (Barbour, 1914) ..... P Nebraska

155. *Adelophthalmus pennsylvanicus* (Hall, 1877) ..... C Pennsylvania

156. ?*Adelophthalmus perornatus* (Peach, 1882) ..... C Glencartholm, Scotl.

157. *Adelophthalmus pruvosti* Kjellesvig-Waering, 1948*b* ..... C Lens, France

158. *Adelophthalmus piussii* Lamsdell, Simonetto & Selden 2013 ..... C Carnic Alps, Italy

159. ?*Adelophthalmus raniceps* Goldenberg, 1873 ..... C Saarbrücken, Germ.

160. *Adelophthalmus sellardsi* (Dunbar, 1924) ..... P Elmo, Kansas

161. *Adelophthalmus sievertsi* (Størmer, 1969) ..... D Willwerath, Germ.

i. = ?*Eurypterus trapezoides* Størmer, 1974 ..... D Nellenköpfchen, Ger.

162. *Adelophthalmus waterstoni* (Tetlie *et al*., 2004) ..... D Kimberley, Australia

163. *Adelophthalmus wilsoni* (Woodward, 1888) ..... C Radstock, England

164. *Adelophthalmus zadrai* Přibyl, 1952 ..... C Moravo-Silesia

† ***Bassipterus* Kjellesvig-Waering & Leutze, 1966** ..... **Silurian**

165. *Bassipterus virginicus* Kjellesvig-Waering & Leutze, 1966* ..... S Bass, West Virginia

† ***Eysyslopterus* Tetlie & Poschmann, 2008** ..... **Silurian**

166. *Eysyslopterus patteni* (Størmer, 1934*d*) ..... S Saaremaa, Estonia

† ***Nanahughmilleria* Kjellesvig-Waering, 1961*b*** ..... **Silurian – Devonian**

167. *Nanahughmilleria clarkei* Kjellesvig-Waering, 1964*b* ..... S Otisville, New York

168. *Nanahughmilleria norvegica* (Kiær, 1911)* ..... S Ringerike, Norway

i. = *Eurypterus minutus* Kiær, 1911 ..... S Ringerike, Norway

169. *Nanahughmilleria notosiberica* Shpinev, 2012 ..... D Krasnoyarsk, Siberia

170. ?*Nanahughmilleria prominens* (Hall, 1884*b*) ..... S Cayuga, New York

171. *Nanahughmilleria pygmaea* (Salter, 1859) ..... S Herefordshire, Engl.

172.?*Nanahughmilleria schiraensis* (Pirozhnikov, 1957)..... D Khakassia, Russia

† ***Parahughmilleria* Kjellesvig-Waering, 1961*b*** ..... **Silurian – Devonian**

173. *Parahughmilleria bellistriata* (Kjellesvig-Waering, 1950*a*) ..... S West Virginia

174. *Parahughmilleria hefteri* Størmer, 1973 ..... D Rhenish Massif, Ge.

175. *Parahughmilleria longa* Shpiney, 2012 ..... D Lake Shunet, Siberia

176. *Parahughmilleria maria* (Clarke, 1907) ..... S New York

177. *Parahughmilleria matarakensis* (Pirozhnikov, 1957) ..... D Khakassia, Russia

178. *Parahughmilleria salteri* Kjellesvig-Waering, 1961*b** ..... S Herefordshire, Engl.

† ***Pittsfordipterus* Kjellesvig-Waering & Leutze, 1966** ..... **Silurian**

179. *Pittsfordipterus phelpsae* (Ruedemann, 1921)* ..... S Pittsford, New York

† **PTERYGOTIOIDEA Clarke & Ruedemann, 1912** ..... **Silurian – Devonian**

† **HUGHMILLERIIDAE Kjellesvig-Waering, 1951** ..... **Silurian**

† ***Herefordopterus* Tetlie, 2006*b*** ..... **Silurian**

180. *Herefordopterus banksii* (Salter, 1856)* ..... S Herefordshire, Engl.

i. = *Eurypterus acuminatus* Salter, 1859*a* ..... S Herefordshire, Engl.

† ***Hughmilleria* Sarle, 1903** ..... **Silurian**

181. *Hughmilleria shawangunk* Clarke, 1907 ..... S eastern USA

182. *Hughmilleria socialis* Sarle, 1903* ..... S Pittsford, New York

i. = *Hughmilleria robusta* Sarle, 1903 ..... S Pittsford, New York

183. *Hughmilleria wangi* Tetlie, Selden & Ren, 2007 ..... S Hunan, China

† **SLIMONIDAE Novojilov, 1968** ..... **Silurian**

† ***Salteropterus* Kjellesvig-Waering, 1951** ..... **Silurian**

184. *Salteropterus abbreviatus* (Salter, 1859)* ..... S Herefordshire, Engl.

† ***Slimonia* Page, 1856** ..... **Silurian**

185. *Slimonia acuminata* Salter, 1856* ..... S Lesmahagow

i. = *Himantopterus maximus* Salter, 1856 ..... S Lesmahagow

186. *Slimonia boliviana* Kjellesvig-Waering, 1973 ..... S Cochambamba, Bol.

187. *Slimonia dubia* Laurie, 1899 ..... S Pentland Hills, Scotl.

† **PTERYGOTIDAE Clarke & Ruedemann, 1912** ..... **Silurian – Devonian**

= † JAEKELOPTERIDAE Størmer, 1974

† ***Acutiramus* Ruedemann, 1935** ..... **Silurian – Devonian**

188. *Acutiramus bohemicus* (Barrande, 1872) ..... S Barrandian area

i. = *Pterygotus comes* Barrande, 1872 ..... S Barrandian area

ii. = *Pterygotus mediocris* Barrande, 1872 ..... S Barrandian area

iii. = *Pterygotus blahai* Semper, 1898 ..... S Barrandian area

iv. = *Pterygotus fissus* Seemann, 1906 ..... S Barrandian area

189. *Acutiramus cummingsi* (Grote & Pitt, 1875) ..... S USA / Canada

i. = *Pterygotus acuticaudatus* Pohlman, 1882 ..... S New York

ii. = *Pterygotus buffaloensis* Pohlman, 1881..... S New York

iii. = *Pterygotus quadraticaudatus* Pohlman, 1882 ..... S New York

190. *Acutiramus floweri* Kjellesvig-Waering & Caster, 1955 ..... S Kenwood, New York

191. *Acutiramus macrophthalmus* (Hall, 1859)*..... S USA / Canada

i. = *Pterygotus osborni* Hall, 1859 ..... S New York

ii. = *Pterygotus cobbi* var. *juvenis* Clarke & Ruedemann, 1912 ..... S New York

192. *Acutiramus perneri* Chlupáč, 1994 ..... D Barrandian area

193. *Acutiramus perryensis* Leutze, 1958 ..... S Ohio

194. *Acutiramus suwanneensis* Kjellesvig-Waering, 1955 ..... S? Florida

† ***Ciurcopterus* Tetlie & Briggs, 2009** ..... **Silurian**

195. *Ciurcopterus sarlei* (Ciurca & Tetlie, 2007) ..... S Pittsford, New York

196. *Ciurcopterus ventricosus* (Kjellesvig-Waering, 1948*a*)* ..... S Kokomo, Indiana

† ***Erettopterus* Salter *in* Huxley & Salter, 1859** ..... **Silurian – Devonian**

= † *Truncatiramus* Kjellesvig-Waering, 1961*b*

197. *Erettopterus bilobus* (Salter, 1856)* ..... S Lesmahagow

i. = *Eurypterus perornatus* Salter, 1856..... S Lesmahagow

ii. = *Pterygotus bilobus* var. *acidens* Woodward, 1878..... S Lesmahagow

iii. = *Pterygotus bilobus* var. *crassus* Woodward, 1878..... S Lesmahagow

iv. = *Pterygotus bilobus* var. *inornatus* Woodward, 1878... S Lesmahagow

v. = *Pterygotus bilobus* var. *perornatus* Woodward, 1878. S Lesmahagow

vi. = *Pterygotus perornatus* var. *plicatissimus* Salter *in* Huxley & Salter, 1859 ..... S Lesmahagow

198. *Erettopterus brodiei* Kjellesvig-Waering, 1961*b* ..... S Herefordshire, Engl.

199. *Erettopterus canadensis* (Dawson, 1879) ..... S Ontario, Canada

200. *Erettopterus exophthalmus* Kjellesvig-Waering & Leutze, 1966 ..... S Bass, West Virginia

201. *Erettopterus gigas* Salter *in* Huxley & Salter, 1859 ..... S Herefordshire, Engl.

202. *Erettopterus globiceps* Clarke & Ruedemann, 1912 ..... S eastern USA

203. *Erettopterus grandis* Pohlman, 1881 ..... S New York
204. *Erettopterus holmi* (Størmer, 1934*b*) ..... S Ringerike, Norway
205. *Erettopterus laticauda* Schmidt, 1883 ..... S Saaremaa, Estonia
206. *Erettopterus marstoni* Kjellesvig-Waering, 1961*b* ..... S England
207. *Erettopterus megalodon* Kjellesvig-Waering, 1961*b* ..... S England
208. *Erettopterus osiliensis* Schmidt, 1883 ..... S Saaremaa, Estonia
209. *Erettopterus saetiger* Kjellesvig-Waering, 1964*a* ..... S Pennsylvania
210. *Erettopterus serratus* Kjellesvig-Waering, 1961*b* ..... D Ohio
211. *Erettopterus spatulatus* Kjellesvig-Waering, 1961*b* ..... S Herefordshire, Engl.
212. ?*Erettopterus vogti* Størmer, 1934*a* ..... D Spitsbergen
213. *Erettopterus waylandsmithi* Kjellesvig-Waering & Caster, 1955 ..... S Kenwood, New York

† ***Jaekelopterus* Waterston, 1964** ..... **Devonian**

214. *Jaekelopterus howelli* Kjellesvig-Waering & Størmer, 1952 ..... D Wyoming
    i. = *Pterygotus mcgrewi* Kjellesvig-Waering & Richardson *In* Kjellesvig-Waering (1986) [*nomen nudum*] ..... D Wyoming
215. *Jaekelopterus rhenaniae* (Jaekel, 1914)* ..... D Germany

† ***Necrogammarus* Woodward, 1870** ..... **Silurian**

216. *Necrogammarus salweyi* Woodward, 1870 ..... S Herefordshire, Engl.

† ***Pterygotus* Agassiz, 1839** ..... **Silurian – Devonian**

= † *Curviramus* Reudemann, 1935

217. *Pterygotus anglicus* Agassiz, 1844* ..... D Scotland, Canada
    i. = *Pterygotus atlanticus* Clarke & Ruedemann, 1912 ..... D New Brunswick, Can.
    ii. = *Pterygotus minor* Woodward, 1864 ..... D Scotland
218. *Pterygotus arcuatus* Salter *in* Huxley & Salter, 1859 ..... S Herefordshire, Engl.
219. ?*Pterygotus australis* McCoy, 1899 ..... S Melbourne, Australia
220. *Pterygotus barrandei* Semper, 1898 ..... S Barrandian area
    i. = *Pterygotus beraunensis* Semper, 1898 ..... S Barrandian area
221. *Pterygotus bolivianus* Kjellesvig-Waering, 1964*a* ..... D Belen, Bolivia
222. *Pterygotus carmani* Kjellesvig-Waering, 1961 ..... D Ohio
223. *Pterygotus cobbi* Hall, 1859 ..... S New York / Canada
224. *Pterygotus denticulatus* Kjellesvig-Waering, 1961*b* ..... S Herefordshire, Engl.
225. *Pterygotus floridanus* Kjellesvig-Waering, 1950*b* ..... D Florida
226. *Pterygotus gaspesiensis* Russell, 1953 ..... D Québec, Canada
227. ?*Pterygotus grandidentatus* Kjellesvig-Waering, 1961*b* ..... S England
228. *?Pterygotus impacatus* Kjellesvig-Waering, 1964*a* ..... S Saaremaa, Estonia
229. *Pterygotus kopaninensis* Barrande, 1872 ..... S Barrandian area, Cz.
230. *Pterygotus lanarkensis* Kjellesvig-Waering, 1964*a* ..... S Lesmahagow, Scotl.
231. *Pterygotus lightbodyi* Kjellesvig-Waering, 1961*b* ..... S England
232. *Pterygotus ludensis* Salter *in* Huxley & Salter, 1859 ..... S Herefordshire, Engl.
233. *Pterygotus marylandicus* Kjellesvig-Waering, 1964*a* ..... S Maryland
234. *Pterygotus monroensis* Sarle 1902 ..... S New York

EURYPTERIDA *incertae sedis*

† ***Dorfopterus* Kjellesvig-Waering, 1955** ..... **Devonian**

235. *Dorfopterus angusticollis* Kjellesvig-Waering, 1955* ..... D Wyoming

† ***?Dolichopterus***

236. ?*Dolichopterus asperatus* Kjellesvig-Waering, 1961 [a/b?] ..... D Ohio

237. ?*Dolichopterus bulbosus* Kjellesvig-Waering, 1961*b* ..... S Herefordshire, Engl.

238. ?*Dolichopterus herkimerensis* Caster & Kjellesvig-Waering, 1956 ..... S New York / Canada

† ***?Eurypterus***

239. ?*Eurypterus loi* Chang, 1957 [non eurypterid?] ..... S Hubei, China

240. ?*Eurypterus podolicus* Chernyshev, 1947 ..... S Ukraine

241. ?*Eurypterus satpaevi* Simorin, 1956..... C Karaganda, Kazakh.

242. ?*Eurypterus styliformis* Chang, 1957 [non eurypterid?]..... S Hubei, China

243. ?*Eurypterus tschernyschevi* Simorin, 1956..... C Karaganda, Kazakh.

244. ?*Eurypterus yangi* Chang, 1957 [non eurypterid?] ..... S Hubei, China

† ***Holmipterus* Kjellesvig-Waering, 1979** ..... **Silurian**

245. *Holmipterus suecicus* Kjellesvig-Waering, 1979..... S Gotland, Sweden

† ***Marsupipterus* Caster & Kjellesvig-Waering, 1955** ..... **Silurian**

246. *Marsupipterus sculpturatus* Caster & Kjellesvig-Waering, 1955* ..... S Herefordshire, Engl.

† ***?Nanahughmilleria***

247. ?*Nanahughmilleria lanceolata* Salter, 1856..... S Lesmahagow

i. = *Eurypterus chartarius* Salter, 1859 ..... S Lesmahagow

ii. = *Eurypterus linearis* Salter, 1859 ..... S Lesmahagow

† ***?Salteropterus***

248. ?*Salteropterus longilabium* Kjellesvig-Waering, 1961*b*..... S Welsh Borderlands

† ***?Stylonurus***

249. ?*Stylonurus perspicillum* Størmer, 1969..... D Willwerath, Germany

† ***Unionopterus* Chernyshev, 1948** ..... **Carboniferous**

250. *Unionopterus anastasiae* Chernyshev, 1948* ..... C Kazakhstan

*NOMINA DUBIA*

1. *Bunodella horrida* Matthew, 1888 [*non* Xiphosura] ..... S New Brunswick
2. ?*Dunsopterus wrightianus* Dawson 1881 ..... D New York
3. *Eurypterella ornata* Matthew, 1888 ..... C 'Fern Ledges'
4. *Eurypterus potens* Hall, 1884 ..... C Pennsylvania
5. *Eurypterus pulicaris* Salter, 1863 ..... D New Brunswick
6. *Hastimima sewardi* Strand, 1926 ..... D South Africa
7. ?*Pterygotus formosus* Dawson, 1871..... D Gaspé, Canada
8. *Pterygotus nobilis* Barrande, 1872 ..... S Barrandian area
9. *Pterygotus siemiradzkii* Strand, 1926 ..... D Podolia, Ukraine
10. *Pterygotus taurinus* Salter, 1868 ..... S Ewyas Harold, Engl.
11. ?*Slimonia stylops* Salter *in* Huxley & Salter, 1859 ..... S Herefordshire, Engl.

*NOMINA NUDA*

1. *Baltoeurypterus latus* Hanken & Størmer, 1975 ..... S Ringerike, Norway

*NOMINA VANA*

1. *Pterygotus problematicus* Agassiz, 1844 ..... S United Kingdom

MISIDENTIFICATIONS

1. *Buffalopterus verrucosus* Kjellesvig-Waering & Heubusch, 1962 [crustacean] ... O New York
2. *Carcinosoma* ?*logani* (Williams, 1915) [crustacean] ..... S Ontario, Canada
3. *Eurypterus* (*Stylonurus*?) *maccarthyi* Kjellesvig-Waering, 1934 [cephalopod] .... D Ludlowville, New York
4. *Eurypterus pugio* Barrande, 1872 [crustacean] ..... S Barrandian area
5. *Eurypterus thomasi* Walter, 1924 [aglaspidid] ..... Є Wisconsin
6. *Kockurus grandis* Chlupáč, 1995 [?aglaspidid] ..... Є central Bohemia
7. *Kodymirus vagans* Chlupáč & Havlíček, 1965 [?aglaspidid] ..... Є central Bohemia
8. *Mazonipterus cyclophthalmus* Kjellesvig-Waering, 1963b [plant] ..... C Mazon Creek
9. *Melbournopterus crossotus* Caster & Kjellesvig-Waering, 1953 [brachiopod] ... S Melbourne, Australia
10. *Pterygotus expectatus* Barrande, 1872 [crustacean] ..... S Barrandian area
11. *Pterygotus* (*Curviramus*) *elleri* Ruedemann, 1935 [crustacean] ..... D New York
12. *Pterygotus* (*Curviramus*) *montanensis* Ruedemann, 1935 [crustacean] ..... D Montana
13. *Pterygotus* (*Leptocheles*) *leptodactylum* M'Coy, 1849 [crustacean] ..... S Herefordshire, Engl.

PSEUDOFOSSILS

1. *Brachyopterella magna* (Clarke & Ruedemann, 1912) ..... O New York
2. ?*Carcinosoma linguata* (Clarke & Ruedemann, 1912) ..... O New York
3. ?*Carcinosoma longiceps* (Clarke & Ruedemann, 1912) ..... O New York
4. *Dolichopterus antiquus* Ruedemann, 1942 ..... O New York
5. *Dolichopterus frankfortensis* (Clarke & Ruedemann, 1912) ..... O New York
6. *Dolichopterus insolitus* Ruedemann, 1926 ..... O New York
7. ?*Dolichopterus stellatus* (Clarke & Ruedemann, 1912) ..... O New York
8. ?*Drepanopterus ruedemanni* (O'Connell, 1916) ..... O New York
9. ?*Eocarcinosoma breviceps* (Ruedemann, 1926) ..... O New York
10. *Eocarcinosoma ruedemanni* (Flower, 1945) ..... O New York
11. *Eocarcinosoma triangulatus* (Clarke & Ruedemann, 1912) ..... O New York
12. *Erettopterus walcotti* (Ruedemann, 1926) ..... O New York
13. *Erieopterus chadwicki* (Clarke & Ruedemann, 1912) ..... O New York
14. *Erieopterus hudsonicus* (Ruedemann, 1934) ..... O New York
15. ?*Eurypterus decepiens* (Ruedemann, 1942) ..... O New York
16. *Eurypterus indicus* Dubey, 1985 ..... pЄ M. Pradesh, India
17. ?*Eurypterus pristinus* (Clarke & Ruedemann, 1912) ..... O New York
18. *Eurypterus vermai* Dubey, 1985 ..... pЄ M. Pradesh, India
19. *Hughmilleria chiplonkari* Dubey, 1985 ..... pЄ M. Pradesh, India

20. *Hughmilleria kilfoylei* Ruedemann, 1934 ..... O New York
21. *Hughmilleria prisca* Ruedemann, 1934 ..... O New York
22. *Hughmilleria uticana* Ruedemann, 1926 ..... O New York
23. *Parastylonurus rusti* (Ruedemann, 1926) ..... O New York
24. *Pterygotus deepkillensis* Ruedemann, 1934 ..... O New York
25. *Pterygotus nasutus* Clarke & Ruedemann, 1912 ..... O New York
26. ?*Pterygotus normanskillensis* Clarke & Ruedemann, 1912 ..... O New York
27. *Ruedemannipterus breviceps* (Clarke & Ruedemann, 1912) ..... O New York
28. *Ruedemannipterus latifrons* (Clarke & Ruedemann, 1912) ..... O New York
29. *Stylonurella modestus* (Clarke & Ruedemann, 1912) ..... O New York
30. *Stylonuroides limbatus* (Clarke & Rudemann, 1912) ..... O New York
31. ?*Waeringopterus pristinus* (Ruedemann, 1942) ..... O New York
32. *Waeringopterus prolificus* (Clarke & Ruedemann, 1912) ..... O New York

no Recent species

# SCORPIONES

139 currently valid species of fossil scorpion

**SCORPIONES C. L. Koch, 1851** ..... **Silurian – Recent**

**† Plesion (Family) PROSCORPIIDAE Scudder, 1885** ..... **Silurian – Carbon.**

= † ARCHAEOCTONIDAE Petrunkevitch, 1949

= † HYDROSCORPIONIDAE Kjellesvig-Waering, 1986

= † LABRIOSCORPIONIDAE Kjellesvig-Waering, 1986

= † STOERMEROSCORPIONIIDAE Kjellesvig-Waering, 1986

= † WAERINGOSCORPIONIDAE Størmer, 1970

† ***Archaeoctonus*** **Pocock, 1911** ..... **Carboniferous**

1. *Archaeoctonus glaber* (Peach, 1883)* ..... C Glencartholm

**† *Hydroscorpius* Kjellesvig-Waering, 1986** ..... **Devonian**

2. *Hydroscorpius denisoni* Kjellesvig-Waering, 1986* ..... D Wyoming

**† *Labriscorpio* Leary, 1980** ..... **Carboniferous**

3. *Labriscorpio alliedensis* Leary, 1980* ..... C Illinois

**† *Proscorpius* Whitfield, 1885*b*** ..... **Silurian**

= † *Archaeophonus* Kjellesvig-Waering, 1966*b*

= † *Stoermeroscorpio* Kjellesvig-Waering, 1986

4. *Proscorpius osborni* (Whitfield, 1885*a*)* ..... S 'Bertie Waterlime'

i. = *Archaeophonus eurypteroides* Kjellesvig-Waering, 1966*b** ..... S 'Bertie Waterlime'

ii. = *Stoermeroscorpio delicatus* Kjellesvig-Waering, 1986 S 'Bertie Waterlime'

† ***Pseudoarchaeoctonus*** **Kjellesvig-Waering, 1986** ..... **Carboniferous**

5. *Pseudoarchaeoctonus denticulatus* Kjellesvig-Waering, 1986* ..... C Glencartholm

**† *Waeringoscorpio* Størmer, 1970** ..... **Devonian**

6. *Waeringoscorpio hefteri* Størmer, 1970* ..... D Alken an der Mosel

7. *Waeringoscorpio westerwaldensis* Poschmann, Dunlop, Kamenz & Scholtz, 2008 ..... D Westerwald

† **BILOBOSTERNINA Kjellesvig-Waering, 1986 (suborder)** ..... **Silurian – Devonian**

† **BRANCHIOSCORPIONOIDEA Kjellesvig-Waering, 1986** ..... **Devonian**

† **BRANCHIOSCORPIONIIDAE Kjellesvig-Waering, 1986** ..... **Devonian**

† ***Branchioscorpio*** **Kjellesvig-Waering, 1986** ..... **Devonian**

8. *Branchioscorpio richardsoni* Kjellesvig-Waering, 1986* ..... D Wyoming

† **DOLICHOPHONIIDAE Petrunkevitch, 1953** ..... **Silurian**

† ***Dolichophonus*** **Petrunkevitch, 1949** ..... **Silurian**

9. *Dolichophonus loudonensis* (Laurie, 1899)* ..... S Pentland Hills

† **HOLOSTERNINA Kjellesvig-Waering, 1986** ..... **Devonian**

† **ACANTHOSCORPIONOIDEA Kjellesvig-Waering, 1986** ..... **Devonian**

† **ACANTHOSCORPIONIIDAE Kjellesvig-Waering, 1986** ..... **Devonian**

† ***Acanthcoscorpio* Kjellesvig-Waering, 1986** ..... **Devonian**

10. *Acanthoscorpio mucronatus* Kjellesvig-Waering, 1986* ..... D Wyoming

† **STENOSCORPIONIIDAE Kjellesvig-Waering, 1986** ..... **Triassic**

† ***Stenoscorpio* Kjellesvig-Waering, 1986** ..... **Triassic**

11. *Stenoscorpio gracilis* (Wills, 1910)* ..... Tr Keuper sandstone

12. *Stenoscorpio pseudogracilis* (Wills, 1947) ..... Tr Keuper sandstone

† **ALLOPALAEOPHONOIDEA Kjellesvig-Waering, 1986** ..... **Silurian**

† **ALLOPALAEOPHONIDAE Kjellesvig-Waering, 1986** ..... **Silurian**

† ***Allopalaeophonus* Kjellesvig-Waering, 1986** ..... **Silurian**

13. *Allopalaeophonus caledonicus* (Hunter, 1886)* ..... S Logan Water

i. = *Palaeophonus hunteri* Pocock, 1901 ..... S Logan Water

† **EOCTONOIDEA Kjellesvig-Waering, 1986** ..... **Carboniferous**

† **ALLOBUTHISCORPIIDAE Kjellesvig-Waering, 1986** ..... **Carboniferous**

NB: *Allobuthiscorpius* is now a junior synonym (see below)

† ***Aspiscorpio* Kjellesvig-Waering, 1986** ..... **Carboniferous**

14. *Aspiscorpio eageri* Kjellesvig-Waering, 1986* ..... C Sparth Bottoms

*Aspiscorpio* sp. *in* Poschmann (2009) ..... C Saar

† **ANTHRACOSCORPIONIDAE Frič, 1904** ..... **Carboniferous**

† ***Allobuthus* Kjellesvig-Waering, 1986** ..... **Carboniferous**

15. *Allobuthus pescei* (Vachon & Heyler, 1985)* ..... C Montceau-les-Mines

† ***Anthracoscorpio* Kušta, 1885** ..... **Carboniferous**

16. *Anthracoscorpio dunlopi* Pocock, 1911 ..... C Airdrie

17. *Anthracoscorpio juvenis* Kušta, 1885* ..... C Rakovník

† **BUTHISCORPIIDAE Kjellesvig-Waering, 1986** ..... **Carboniferous**

† ***Buthiscorpius* Petrunkevitch, 1953** ..... **Carboniferous**

18. *Buthiscorpius lemayi* Kjellesvig-Waering, 1986 ..... C Illinois

† **EOCTONIDAE Kjellesvig-Waering, 1986** ..... **Carboniferous**

† ***Eoctonus* Petrunkevitch, 1913** ..... **Carboniferous**

19. *Eoctonus miniatus* Petrunkevitch, 1913* ..... C Mazon Creek

† **GARNETTIIDAE Dubinin, 1962** ..... **Carboniferous**

† ***Garnettius*** **Petrunkevitch, 1953** ..... **Carboniferous**

20. *Garnettius hungerfordi* (Elias, 1936)* ..... C Garnett, Kansas

† **GIGANTOSCORPIONOIDEA Kjellesvig-Waering, 1986** ..... **Devonian – Carbon.**

† **GIGANTOSCORPIONIDAE Kjellesvig-Waering, 1986** ..... **Devonian – Carbon.**

= † PETALOSCORPIONIDAE Kjellesvig-Waering, 1986

† ***Gigantoscorpio*** **Størmer, 1963** ..... **Carboniferous**

21. *Gigantoscorpio willsi* Størmer, 1963* ..... C Glencartholm

† ***Petaloscorpio*** **Kjellesvig-Waering, 1986** ..... **Devonian**

22. *Petaloscorpio bureaui* Kjellesvig-Waering, 1986* ..... D Miguasha, Quebec

† **MESOPHONOIDEA Wills, 1910** ..... **Carbon. – Triassic**

† **CENTROMACHIDAE Petrunkevitch, 1953** ..... **Carboniferous**

= † ANTHRACOCHAERILIDAE Kjellesvig-Waering, 1986

= † OPSIEOBUTHIDAE Kjellesvig-Waering, 1986

= † PHOXISCORPIONIDAE Kjellesvig-Waering, 1986

† ***Anthracochaerilus*** **Kjellesvig-Waering, 1986** ..... **Carboniferous**

23. *Anthracochaerilus palustris* Kjellesvig-Waering, 1986* ..... C Glencartholm

† ***Centromachus*** **Thorell & Lindström, 1885** ..... **Carboniferous**

24. *Centromachus euglyptus* (Peach, 1883)* ..... C Glencartholm

† ***Opsieobuthus*** **Kjellesvig-Waering, 1986** ..... **Carbon. - Permian**

25. *Opsieobuthus pottsvillensis* (Moore, 1923)* ..... C Indiana

26. *?Opsieobuthus tungeri* Dunlop, Legg, Selden, Fet, Schneider & Rößler, 2016..... P Chemnitz, Germany

† ***Phoxiscorpio*** **Kjellesvig-Waering, 1986** ..... **Carboniferous**

27. *Phoxiscorpio peachi* Kjellesvig-Waering, 1986* ..... C Dalmeny, Edinburgh

† ***Pulmonoscorpio*** **Jeram, 1994*a*** ..... **Carboniferous**

28. *Pulmonoscorpius kirktonensis* Jeram, 1994*a** ..... C East Kirkton

† **GALLIOSCORPIONIDAE Lourenço & Gall, 2004** ..... **Triassic**

† ***Gallioscorpio*** **Lourenço & Gall, 2004** ..... **Triassic**

29. *Gallioscorpio voltzi* Lourenço & Gall, 2004* ..... Tr Vosges, France

† **HELOSCORPIONIDAE Kjellesvig-Waering, 1986** ..... **Carboniferous**

† ***Heloscorpio*** **Kjellesvig-Waering, 1986** ..... **Carboniferous**

30. *Heloscorpio sutcliffei* (Woodward, 1907*b*)* ..... C Sparth Bottoms

† **MAZONIIDAE Petrunkevitch, 1913** ..... **Carboniferous**

† ***Mazonia*** **Meek & Worthen, 1868*b*** ..... **Carboniferous**

31. *Mazonia wardingleyi* (Woodward, 1907*b*) ..... C Sparth Bottoms

32. *Mazonia woodiana* Meek & Worthen, 1868*b** ..... C Mazon Creek

† **MESOPHONIDAE Wills, 1910** ..... **Triassic**

† ***Mesophonus*** **Wills, 1910** ..... **Triassic**

33. *Mesophonus perornatus* Wills, 1910* ..... Tr Keuper sandstone

i. = *Mesophonus opisthophthalmus* Wills, 1947 ..... Tr Keuper sandstone

34. ?*Mesophonus pulcherrimus* Wills, 1910 ..... Tr Keuper sandstone

35. ?*Mesophonus pulcherrimus immaculatus* Wills, 1947 ..... Tr Keuper sandstone

† **WILLSISCORPIONIDAE Kjellesvig-Waering, 1986** ..... **Triassic**

† ***Willsiscorpio*** **Kjellesvig-Waering, 1986** ..... **Triassic**

36. *Willsiscorpio bromsgroviensis* (Wills, 1910)* ..... Tr Keuper sandstone

† **PALAEOSCORPOIDEA Lehmann, 1944** ..... **Devonain – Triassic**

† **PALAEOSCORPIONIDAE Lehmann, 1944** ..... **Devonian**

† ***Palaeoscorpio*** **Lehmann, 1944** ..... **Devonian**

37. *Palaeoscorpius devonicus* Lehmann, 1944* ..... D Hünsruckschiefer

[NB: Kühl *et al*. (2012) simply list the genus unplaced under Protoscorpionina.]

† **SPONGIOPHONOIDEA Kjellesvig-Waering, 1986** ..... **Devonian –Triassic**

† **PRAERCTURIDAE Kjellesvig-Waering, 1986** ..... **Devonian**

† ***Praearcturus*** **Woodward, 1871*a*** ..... **Devonian**

38. *Praearcturus gigas* Woodward, 1871*a** ..... D Rowlestone

† **SPONGIOPHONIDAE Kjellesvig-Waering, 1986** ..... **Triassic**

† ***Spongiophonus*** **Wills, 1947** ..... **Triassic**

39. *Spongiophonus pustulosus* Wills, 1947* ..... Tr Keuper sandstone

† **MERISTOSTERNINA Kjellesvig-Waering, 1986** ..... **Carboniferous**

† **CYCLOPHTHALMOIDEA Thorell & Lindström, 1885** ..... **Carboniferous**

† **CYCLOPHTHALMIDAE Thorell & Lindström, 1885** ..... **Carboniferous**

† ***Cyclophthalmus*** **Corda, 1835** ..... **Carboniferous**

40. *Cyclophthalmus senior* Corda, 1835* ..... C Cholme

41. *Cyclophthalmus robustus* Kjellesvig-Waering, 1986 ..... C Coseley

42. ?*Cyclophthalmus sibiricus* Novojilov & Størmer, 1963 ..... C Kemerov Region

† **MICROLABIIDAE Kjellesvig-Waering, 1986** ..... **Carboniferous**

† ***Microlabis*** **Corda, 1839** ..... **Carboniferous**

43. *Microlabis sternbergii* Corda, 1839* ..... C Cholme

† **PALAEOBUTHOIDEA Kjellesvig-Waering, 1986** ..... **Carboniferous**

† **PALAEOBUTHIDAE Kjellesvig-Waering, 1986** ..... **Carboniferous**

† ***Palaeobuthus*** **Petrunkevitch, 1913** ..... **Carboniferous**

= † *Mazoniscorpio* Wills, 1960

44. *Palaeobuthus distinctus* Petrunkevitch, 1913* ..... C Mazon Creek

ii. = *Mazoniscorpio mazonensis* Wills, 1960 ..... C Mazon Creek

**† LOBOSTERNINA Pocock, 1911** ..... **Silurian – Carbon.**

**† ISOBUTHOIDEA Petrunkevitch, 1913** ..... **Carboniferous**

**† EOBUTHIDAE Kjellesvig-Waering, 1986** ..... **Carboniferous**

**† *Eobuthus* Frič, 1904** ..... **Carboniferous**

45. *Eobuthus cordai* Kjellesvig-Waering, 1986 ..... C Kralupy Hill

46. *Eobuthus holti* Pocock, 1911 ..... C Sparth Bottoms

47. *Eobuthus rakovnicensis* Frič, 1904* ..... C Rakovník

**† EOSCORPIIDAE Scudder, 1884** ..... **Carboniferous**

**† *Eoscorpius* Meek & Worthen, 1868*a*** ..... **Carboniferous**

= † *Alloscorpius* Petrunkevitch, 1949

= † *Europhthalmus* Petrunkevitch, 1949

= † *Lichnophthalmus* Petrunkevitch, 1949

= † *Trigonoscorpio* Petrunkevitch, 1913

= † *Typhloscorpius* Petrunkevitch, 1949

48. *Eoscorpius bornaensis* Sterzel, 1918 ..... C Chemnitz–Borna

49. *Eoscorpius carbonarius* Meek & Worthen, 1868*a** ..... C Mazon Creek

i. = *Eoscorpius typicus* Petrunkevitch, 1913 ..... C Mazon Creek

ii. = *Eoscorpius granulosus* Petrunkevitch, 1913 ..... C Mazon Creek

iii. = *Trigonoscorpio americanus* Petrunkevitch, 1913 ..... C Mazon Creek

50. *Eoscorpius casei* Kjellesvig-Waering, 1986 ..... C Nova Scotia

51. *Eoscorpius distinctus* (Petrunkevitch, 1949) ..... C Coseley

52. *Eoscorpius mucronatus* Kjellesvig-Waering, 1986 ..... C Barnsley

53. *Eoscorpius pulcher* (Petrunkevitch, 1949) ..... C Barnsley

i. = *Europhthalmus longimanus* Petrunkevitch, 1949 ..... C Barnsely

54. *Eoscorpius sparthensis* Baldwin & Sutcliffe, 1904 ..... C Sparth Bottoms

*Eoscorpius* sp. *in* Poschmann *et al.* (2016) ..... C Graissessac, France

**† *Eskioscorpio* Kjellesvig-Waering, 1986** ..... **Carboniferous**

55. *Eskiscorpio parvus* Kjellesvig-Waering, 1986* ..... C Glencartholm

**† *Trachyscorpio* Kjellesvig-Waering, 1986** ..... **Carboniferous**

56. *Trachyscorpio squarrosus* Kjellesvig-Waering, 1986* ..... C Fouldon

**† ISOBUTHIDAE Petrunkevitch, 1913** ..... **Carbon. – Triassic**

**† *Boreoscorpio* Kjellesvig-Waering, 1986** ..... **Carboniferous**

57. *Boreoscorpio copelandi* Kjellesvig-Waering, 1986* ..... C Nova Scotia

**† *Bromsgroviscorpio* Kjellesvig-Waering, 1986** ..... **Triassic**

58. *Bromsgroviscorpio willsi* Kjellesvig-Waering, 1986* ..... Tr Keuper sandstone

**† *Feistmantelia* Frič, 1904** ..... **Carboniferous**

59. *Feistmantelia ornata* Frič, 1904* ..... C Studnoves

† ***Isobuthus*** **Frič, 1904** ..... **Carboniferous**

60. *Isobuthus kralupensis* (Thorell & Lindström, 1885)* ..... C Kralup
61. ?*Isobuthus nyranensis* Frič, 1904 ..... C Nýřany

† **KRONOSCORPIONIDAE Kjellesvig-Waering, 1986** ..... **Carboniferous**

† ***Kronoscorpio*** **Kjellesvig-Waering, 1986** ..... **Carboniferous**

62. *Kronoscorpio danielsi* (Petrunkevitch, 1913)* ..... C Mazon Creek

† **PAREOBUTHIDAE Wills, 1959** ..... **Carboniferous**

† ***Pareobuthus*** **Wills, 1959** ..... **Carboniferous**

63. *Pareobuthus salopiensis* Wills, 1959* ..... C Shropshire

† **PARAISOBUTHOIDEA Kjellesvig-Waering, 1986** ..... **Carboniferous**

† **PARAISOBUTHIDAE Kjellesvig-Waering, 1986** ..... **Carboniferous**

† ***Paraisobuthus*** **Kjellesvig-Waering, 1986** ..... **Carboniferous**

64. *Paraisobuthus duobicarinatus* Kjellesvig-Waering, 1986 ..... C Shipley
65. *Paraisobuthus frici* Kjellesvig-Waering, 1986 ..... C Kralupy Hill
66. *Paraisobuthus prantli* Kjellesvig-Waering, 1986* ..... C Rakovník
67. *Paraisobuthus virginiae* Kjellesvig-Waering, 1986 ..... C Mazon Creek

† **SCOLOPOSCORPIONIDAE Kjellesvig-Waering, 1986** ..... **Carboniferous**

† ***Benniescorpio*** **Wills, 1960** ..... **Carboniferous**

68. *Benniescorpio tuberculatus* (Peach, 1883)* ..... C Dysart, Fife

† ***Scoloposcorpio*** **Kjellesvig-Waering, 1986** ..... **Carboniferous**

69. *Scoloposcorpio cramondensis* Kjellesvig-Waering, 1986* ..... C Cramond, Edinburgh

† **TELMATOSCORPIONIDAE Kjellesvig-Waering, 1986** ..... **Carboniferous**

† ***Telmatoscorpio*** **Kjellesvig-Waering, 1986** ..... **Carboniferous**

70. *Telmatoscorpio brevipectus* Kjellesvig-Waering, 1986* ..... C Mazon Creek

† **LOBOARCHAEOCTONOIDEA Kjellesvig-Waering, 1986** ..... **Carboniferous**

† **LOBOARCHAEOCTONIDAE Kjellesvig-Waering, 1986** ..... **Carboniferous**

† ***Loboarchaeoctonus*** **Kjellesvig-Waering, 1986** ..... **Carboniferous**

71. *Loboarchaeoctonus squamosus* Kjellesvig-Waering, 1986* ..... C Glencartholm

† **WATERSTONIIDAE Kjellesvig-Waering, 1986** ..... **Carboniferous**

† ***Waterstonia*** **Kjellesvig-Waering, 1986** ..... **Carboniferous**

72. *Waterstonia airdriensis* Kjellesvig-Waering, 1986* ..... C Airdrie

† **PALAEOPHONOIDEA Thorell & Lindström, 1884** ..... **Silurian**

† **PALAEOPHONIDAE Thorell & Lindström, 1884** ..... **Silurian**

† ***Palaeophonus*** **Thorell & Lindström, 1884** ..... **Silurian**

73. *Palaeophonus nuncius* Thorell & Lindström, 1884* ..... S Visby, Gotland

74. ?*Palaeophonus lightbodyi* Kjellesvig-Waering, 1954 [claw only !] ..... S Ludford Lane

**ORTHOSTERNINA Pocock, 1911** ..... **Carbon. – Recent**

**Orthosternina *incertae sedis***

**† *Corniops* Jeram, 1994*b*** ..... **Carboniferous**

75. *Corniops mapesii* Jeram, 1994*b** ..... C Lone Star Lake

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**SCORPIONIOIDEA Latreille, 1802** ..... **Carbon. – Recent**

**† PALAEOPISTHACANTHIDAE Kjellesvig-Waering, 1986** ..... **Carboniferous**

**† *Cryptoscorpius* Jeram, 1994*b*** ..... **Carboniferous**

76. *Cryptoscorpius americanus* Jeram, 1994*b** ..... C Lone Star Lake

**† *Palaeopisthacanthus* Petrunkevitch, 1913** ..... **Carboniferous**

77. *Palaeopisthacanthus schucherti* Petrunkevitch, 1913* ..... C Mazon Creek

78. *Palaeopisthacanthus vogelandurdeni* Jeram, 1994*b* ..... C Lone Star Lake

**family uncertain**

**† *Compsoscorpius* Petrunkevitch 1949** ..... **Carboniferous**

= † *Allobuthiscorpius* Kjellesvig-Waering, 1986

= † *Coseleyscorpio* Kjellesvig-Waering, 1986

= † *Leioscorpio* Kjellesvig-Waering, 1986

= † *Lichnoscorpius* Petrunkevitch, 1949

= † *Pseudobuthiscorpius* Kjellesvig-Waering, 1986

= † *Typhlopisthacanthus* Petrunkevitch, 1949

79. *Compsoscorpius buthiformis* (Pocock, 1911)* ..... C Coal Measures

i. = *Typhlopisthacanthus anglicus* Petrunkevitch, 1949 ... C Coseley

ii. = *Lichnoscorpius minutus* Petrunkevitch, 1949 ..... C Coseley

iii. = *Compsoscorpius elegans* Petrunkevitch 1949 ..... C Coseley

iv. = *Compsoscorpius elongatus* Petrunkevitch, 1949 ..... C Coseley

v. = *Buthiscorpius major* Wills, 1960 ..... C Kilburn Coal

vi. = *Leioscorpio pseudobuthiformis* Kjellesvig-Waering, 1986 ..... C Coseley

vii. = *Pseudobuthiscorpius labiosus* Kjellesvig-Waering, 1986 ..... C Coseley

viii. = *Coseleyscorpio lanceolatus* Kjellesvig-Waering, 1986 C Coseley

ix. = *Allobuthus macrostethus* Kjellesvig-Waering, 1986 .... C Coseley

*Compsoscorpius* sp. *in* Poschmann *et al*. (2016) ..... C Graissessac, France

**PSEUDOCHACTIDAE Gromov, 1998** ..... **Recent**

no fossil record

**BUTHOIDEA C. L. Koch, 1837** ..... **Triassic – Recent**

† **ARCHAEOBUTHIDAE Lourenço, 2001** ..... **Cretaceous**

† ***Archaeobuthus* Lourenço, 2001** ..... **Cretaceous**

80. *Archaeobuthus estephani* Lourenço, 2001* ..... K Lebanese amber

† **PALAEOBURMESEBUTHIDAE Lourenço, 2015*a*** ..... Cretaceous

† ***Betaburmesebuthus* Lourenço & Beigel, 2015*a*** ..... **Cretaceous**

81. *Betaburmesebuthus bellus* Lourenço, 2016*a* ..... K Burmese amber

82. *Betaburmesebuthus bidentatus* Lourenço, 2015*c* ..... K Burmese amber

83. *Betaburmesebuthus fleissneri* Lourenço *in* Lourenço & Velten, 2016 .... K Burmese amber

84. *Betaburmesebuthus kobberti* Lourenço & Beigel, 2015*a** ..... K Burmese amber

85. *Betaburmesebuthus muelleri* Lourenço, 2015*c* ..... K Burmese amber

† ***Palaeoburmesebuthus* Lourenço, 2002** ..... **Cretaceous**

86. *Palaeoburmesebuthus grimaldii* Lourenço, 2002* ..... K Burmese amber

87. *Palaeoburmesebuthus ohlhoffi* Lourenço, 2015*b* ..... K Burmese amber

† **CHAERILOBUTHIDAE Lourenço & Beigel, 2011** ..... **Cretaceous**

† ***Chaerilobuthus* Lourenço & Beigel, 2011** ..... **Cretaceous**

88. *Chaerilobuthus birmanicus* Lourenço, 2015*b* ..... K Burmese amber

89. *Chaerilobuthus bruckschi* Lourenço, 2015*b* ..... K Burmese amber

90. *Chaerilobuthus complexus* Lourenço & Beigel, 2011* ..... K Burmese amber

91. *Chaerilobuthus enigmaticus* Lourenço, 2015*d* ..... K Burmese amber

92. *Chaerilobuthus gigantosternum* Lourenço, 2016*b* ..... K Burmese amber

93. *Chaerilobuthus longiaculeus* Lourenço, 2013*b* ..... K Burmese amber

94. *Chaerilobuthus schwarzi* Lourenço *in* Lourenço & Velten, 2015 ..... K Burmese amber

95. *Chaerilobuthus serratus* Lourenço, 2016*b* ..... K Burmese amber

† **PALAEOTRILINEATIDAE Lourenço, 2012*b*** ..... **Cretaceous**

† ***Palaeotrilineatus* Lourenço, 2012*b*** ..... **Cretaceous**

96. *Palaeotrilineatus ellenbergeri* Lourenço, 2012*b** ..... K Burmese amber

† **SUCINLOURENCOIDAE Rossi, 2015** ..... **Cretaceous**

† ***Sucinlourencous* Rossi, 2015** ..... **Cretaceous**

97. *Sucinlourencous adrianae* Rossi, 2015* ..... K Burmese amber

† **PROTOBUTHIDAE Lourenço & Gall, 2004** ..... **Triassic**

† ***Protobuthus* Lourenço & Gall, 2004** ..... **Triassic**

98. *Protobuthus elegans* Lourenço & Gall, 2004* ..... Tr Vosges

**BUTHIDAE C. L. Koch, 1837** ..... **Palaeogene – Recent**

= ANDROCTONIDAE C. L. Koch, 1837

= MICROCHARMIDAE Lourenço, 1996*a*

***Centruroides*** **Marx, 1890*a*** ..... **Neogene – Recent**

99. *Centruroides nitidus* (Thorell, 1876*a*) **[Recent]** ..... Ne Dominican amber

i. = *Centruroides beynai* Schawaller, 1979*a* ..... Ne Dominican amber

***Microcharmus*** **Lourenço, 1995** ..... **Quaternary – Recent**

100. *Microcharmus henderickxi* (Lourenço, 2009*a*) ..... Qt Madagascar copal

***Microtityus*** **Kjellesvig-Waering, 1966*c*** ..... **Neogene – Recent**

101. *Microtityus ambarensis* (Schawaller, 1982*a*) ..... Ne Dominican amber

† ***Palaeoakentrobuthus*** **Lourenço & Weitschat, 2000** ..... **Palaeogene**

102. *Palaeoakentrobuthus knodeli* Lourenço & Weitschat, 2000* ..... Pa Baltic amber

† ***Palaeoananteris*** **Lourenço & Weitschat, 2001** ..... **Palaeogene**

103. *Palaeoananteris ribnitiodamgartensis* Lourenço & Weitschat, 2001* ..... Pa Baltic amber

104. *Palaeoananteris ukrainensis* Lourenço & Weitschat, 2009 ..... Pa Rovno amber

105. *Palaeoananteris wunderlichi* Lourenço, 2004 ..... Pa Baltic amber

† ***Palaeoisometrus*** **Lourenço & Weitschat, 2005a** ..... **Palaeogene**

106. *Palaeoisometrus elegans* Lourenço & Weitschat, 2005*a** ..... Pa Baltic amber

† ***Palaeogrosphus*** **Lourenço, 2000*a*** ..... **Quaternary**

107. *Palaeogrosphus copalensis* (Lourenço, 1996*b*) ..... Qt Copal

108. *Palaeogrosphus jacquesi* Lourenco & Henderickx, 2002 ..... Qt Copal

† ***Palaeolychas*** **Lourenço & Weitschat, 1996** ..... **Palaeogene**

109. *Palaeolychas balticus* Lourenço & Weitschat, 1996* ..... Pa Baltic amber

110. *Palaeolychas weitschati* Lourenço, 2012*a* ..... Pa Baltic amber

† ***Palaeoprotobuthus*** **Lourenço & Weitschat, 2000** ..... **Palaeogene**

111. *Palaeoprotobuthus pusillus* Lourenço & Weitschat, 2000* ..... Pa Baltic amber

† ***Palaeospinobuthus*** **Lourenço, Henderickx & Weitschat, 2005** ..... **Palaeogene**

112. *Palaeospinobuthus cenozoicus* Lourenço, Henderickx & Weitschat, 2005* ..... Pa Baltic amber

† ***Palaeotityobuthus*** **Lourenço & Weitschat, 2000** ..... **Palaeogene**

113. *Palaeotityobuthus longiaculeus* Lourenço & Weitschat, 2000* ..... Pa Baltic amber

***Tityus*** **C. L. Koch, 1836** ..... **?Palaeogene – Recent**

114. *Tityus apozonalli* Riquelme *et al*., 2015 ..... Ne Chiapas amber

115. *Tityus azari* Lourenço, 2013*a* ..... Ne Dominican amber

116. '*Tityus*' *eogenus* Menge, 1869 [presumably misplaced] ..... Pa Baltic amber

117. *Tityus geratus* Santiago-Blay & Poinar, 1988 ..... Ne Dominican amber

118. *Tityus (Brazilotityus) hartkorni* Lourenço, 2009*b* ..... Ne Dominican amber

119. *Tityus (Brazilotityus) knodeli* Lourenço, 2014 ..... Ne Chiapas amber

† ***Uintascorpio*** **Perry, 1995** ..... **Palaeogene**

120. *Uintascorpio halandrasorum* Perry, 1995* ..... Pa Green River

**BUTHIDAE *incertae sedis***

121. '*Scorpio*' *schweiggeri* Holl, 1829 ..... Qt Copal [not amber!]

**BOTHRIURIDAE Simon, 1880** ..... **Recent**

= TELEGONIDAE Peters, 1861 [based on a generic homonym]

= ACANTHOCHIROIDAE Karsch, 1880*b*

no fossil record

**CHACTOIDEA Pocock, 1893** ..... **Cretaceous – Recent**

† **PALAEOEUSCORPIIDAE Lourenço, 2003** ..... **Cretaceous**

† ***Archaeoscorpiops* Lourenço, 2015*a*** ..... **Cretaceous**

122. *Archaeoscorpiops cretacicus* Lourenço, 2015*a** ..... K Burmese amber

† ***Burmesescorpiops* Lourenço, 2016** ..... **Cretaceous**

123. *Burmesescorpiops groehni* Lourenço, 2016*b** ..... K Burmese amber

† ***Palaeoeuscorpius* Lourenço, 2003** ..... **Cretaceous**

124. *Palaeoeuscorpius gallicus* Lourenço, 2003* ..... K French amber

**CHACTIDAE Pocock, 1893** ..... **Cretaceous – Recent**

= BROTEIDAE Simon, 1879*a* [supressed for lack of useage]

† ***Araripescorpius* Campos, 1986** ..... **Cretaceous**

125. *Araripescorpius ligabuei* Campos, 1986* ..... K Crato Formation

***Chactas* Gervais, 1844** ..... **Subrecent – Recent**

126. *Chactas pleistocenicus* Lourenço & Weitschat, 2005*b* ..... Qt Colombian copal

**AKRAVIDAE Levy, 2007** ..... **Recent**

no fossil record

**CHAERILIDAE Pocock, 1893** ..... **Cretaceous – Recent**

***Electrochaerilus* Santiago-Blay *et al*., 2004** ..... **Cretaceous**

127. *Electrochaerilus buckleyi* Santiago-Blay *et al*., 2004 ..... K Burmese amber

**DIPLOCENTRIDAE Karsch, 1880*b*** ..... **Recent**

no fossil record

**EUSCORPIIDAE Laurie, 1896** ..... **Recent**

no fossil record

**HETEROSCORPIONIDAE Kraepelin, 1905** ..... **Recent**

no fossil record

**HEMISCORPIIDAE Pocock, 1893** ..... **Cretaceous – Recent**

= ISCHNURIDAE Simon, 1879*a*

= LIOCHELIDAE Fet & Bechly, 2001

= † PROTOISCHNURIDAE Carvalho & Lourenço, 2001

† ***Protoischnurus* Carvalho & Lourenço, 2001** ..... **Cretaceous**

128. *Protoischnurus axelrodorum* Carvalho & Lourenço, 2001* ..... K Crato Formation

**IURIDAE Thorell, 1876*b*** ..... **Recent**

no fossil record

**SCORPIONIDAE Latreille, 1802** ..... **Neogene – Recent**

= PANDINOIDAE Thorell, 1876*b*

= HETEROMETRIDAE Simon, 1879*a*

† ***Mioscorpio* Kjellesvig-Waering, 1986** ..... **Neogene**

129. *Mioscorpio zeuneri* (Hadži, 1931)* ..... Ne Swabian Alps

† ***Sinoscorpius* Hong, 1983a** ..... **Neogene**

130. *Sinoscorpius shandongensis* Hong, 1983*a** ..... Ne Shandong, China

**SUPERSTITIONIIDAE Stahnke, 1940** ..... **Recent**

no fossil record

**TROGLOTAYOSICIDAE Lourenço, 1998** ..... **Recent**

no fossil record

**VAEJOVIDAE Thorell, 1876*b*** ..... **Recent**

no fossil record

SCORPIONES *incertae sedis*

Scorpiones *incertae sedis in* Dunlop & Selden (2013) ..... S Trecastle, Wales

**† *Brontoscorpio* Kjellesvig-Waering, 1972** ..... **Devonian**

131. *Brontoscorpio anglicus* Kjellesvig-Waering, 1972* ..... D England

**† *Eramoscorpius* Waddington, Rudkin & Dunlop, 2015** ..... **Silurian**

132. *Eramoscorpius brucensis* Waddington, Rudkin & Dunlop, 2015* ..... S Ontario, Canada

† ***Gondwanascorpio* Gess, 2013** ..... **Devonian**

133. *Gondwanascorpio emzantsiensis* Gess, 2013* ..... D Grahamstown

† ***Gymnoscorpius* Jeram, 1994*b*** ..... **Carboniferous**

134. *Gymnoscorpius mutillidigitatus* Jeram, 1994*b** ..... C northern England

† ***Hubeiscorpio* Walossek, Li & Brauckmann, 1990** ..... **Devonian**

135. *Hubeiscorpio gracilitarsis* Walossek, Li & Brauckmann, 1990* ..... D Hubei, China

† ***Liassoscorpionides* Bode, 1951** ..... **Jurassic**

136. *Liassoscorpionides schmidti* Bode, 1951* ..... J Hondelage, Germany

† ***Palaeomachus* Pocock, 1911** ..... **Carboniferous**

137. *Palaeomachus anglicus* (Woodward, 1876)* ..... C Mansfield

† ***Titanoscorpio* Kjellesvig-Waering, 1986** ..... **Carboniferous**

138. *Titanoscorpio douglassi* Kjellesvig-Waering, 1986 ..... C Mazon Creek

† ***Wattisonia* Wills, 1960** ..... **Carboniferous**

139. *Wattisonia coseleyensis* Wills, 1960 ..... C Coseley

MISIDENTIFICATIONS

1. ?*Waterstonia brachistodactyla* Kjellesvig-Waering, 1986 [plant fragment?] …… C Beith, Ayrshire
2. ?*Mesophonus maculatus* (Brauer, Redtenbacher & Ganglbauer, 1889) …….
   [?insect: cockroach] ……..……..…….. J Siberia
3. *Tiphoscorpio hueberi* Kjellesvig-Waering, 1986 [myriapod: *Eoarthropleura*] ….. D New York

2,332 Recent species

# OPILIONES

41 currently valid species of fossil harvestman

**OPILIONES Sundevall, 1833** ..... **Devonian – Recent**

**CYPHOPHTHALMI Simon, 1879*a* (suborder)** ..... **Cretaceous – Recent**

**NEOGOVEIDAE Shear, 1980** ..... **Recent**

no fossil record

**OGOVEIDAE Shear, 1980** ..... **Recent**

no fossil record

**PETTALIDAE Shear, 1980** ..... **Recent**

no fossil record

**SIRONIDAE Simon, 1879*a*** ..... **Palaeogene – Recent**

***Siro* Latreille, 1796** ..... **Palaeogene – Recent**

1. *Siro balticus* Dunlop & Mitov, 2011 ..... Pa Baltic amber
2. *Siro platypedibus* Dunlop & Giribet, 2003 ..... Pa Bitterfeld amber

**STYLOCELLIDAE Hansen & Sørensen, 1904** ..... **Cretaceous – Recent**

† ***Palaeosiro* Poinar, 2008** ..... **Cretaceous – Recent**

3. *Palaeosiro burmanicum* Poinar, 2008 ..... K Burmese amber

   NB: Originally desribed as a sironid, but interpreted as a stylocellid by Giribet *et al*. (2012)

**TROGLOSIRONIDAE Shear, 1993** ..... **Recent**

no fossil record

**TETROPHTHALMI Garwood, Sharma, Dunlop & Giribet, 2014 (suborder)** ..... **Devonian – Carbon.**

† ***Eophalangium* Dunlop, Anderson, Kerp & Hass, 2004** ..... **Devonian**

4. *Eophalangium sheari* Dunlop, Anderson, Kerp & Hass, 2004* ..... D Rhynie chert

† ***Hastocularis* Garwood, Sharma, Dunlop & Giribet, 2014** ..... **Devonian**

5. *Hastocularis argus* Garwood, Sharma, Dunlop & Giribet, 2014* ..... D Montceau-les-Mines

**PHALANGIDA Bristowe, 1949**

**Suborder uncertain**

**ARCHAEOMETIDAE Pocock** ..... **Carboniferous**

† ***Archaeometa* Pocock, 1911** ..... **Carboniferous**

6. *Archaeometa nephilina* Pocock, 1911* ..... C Coseley

Originally misplaced in Aranae, transferred to Opiliones by Selden *et al*. (2016)

**EUPNOI Hansen & Sørensen, 1904 (suborder)** ..... **Devonian – Recent**

plesion taxa

† ***Brigantibunum* Dunlop & Anderson, 2005** ..... **Carboniferous**

7. *Brigantibunum listoni* Dunlop & Anderson, 2005* ..... C East Kirkton

† ***Kustarachne* Scudder, 1890*b*** ..... **Carboniferous**

8. *Kustarachne tenuipes* Scudder, 1890*b** ..... C Mazon Creek

i. = *Kustarachne exstincta* Melander, 1903 ..... C Mazon Creek

ii. = *Kustarachne conica* Petrunkevitch, 1913 ..... C Mazon Creek

† ***Macrogyion* Garwood *et al*., 2011** ..... **Carboniferous**

9. *Macrogyion cronus* Garwood *et al*. 2011* ..... C Montceau-les-Mines

**CADDOIDEA Banks, 1893** ..... **Palaeogene – Recent**

**CADDIDAE Banks, 1893** ..... **Palaeogene – Recent**

***Caddo* Banks, 1892*a*** ..... **Palaeogene – Recent**

10. *Caddo dentipalpus* (C. L. Koch & Berendt, 1854) ..... Pa Baltic / Bitter. amber

**PHALANGIOIDEA Latreille, 1802** ..... **Palaeogene – Recent**

**family uncertain**

† ***Petrunkevitchiana* Mello-Leitão, 1937** [genus *incertae sedis*] ..... **Palaeogene**

11. *Petrunkevitchiana oculata* (Petrunkevitch, 1922)* ..... Pa Florissant

**MONOSCUTIDAE Forster, 1948** ..... **Recent**

no fossil record

**NEOPILIONIDAE Lawrence, 1931** ..... **Recent**

no fossil record

**PHALANGIIDAE Latreille, 1802** ..... **Palaeogene – Recent**

***Amilenus* Martens, 1969** ..... **Palaeogene – Recent**

12. *Amilenus deltshevi* Dunlop & Mitov, 2009 ..... Pa Bitterfeld amber

***Dicranopalpus* Doleschall, 1852** ..... **Palaeogene – Recent**

13. *Dicranopalpus ramiger* (C. L. Koch & Berendt, 1854) ..... Pa Baltic / Bitter. amber

i. = *Opilio corniger* Menge, 1854 ..... Pa Baltic amber

ii. = *Dicranopalpus palmnickensis* Roewer, 1939 ..... Pa Baltic amber

† ***Lacinius* Thorell, 1876** ..... **Palaeogene – Recent**

14. *Lacinius bizleyi* Mitov, Dunlop & Penney, 2015 ..... Pa Baltic / Bitter. Amber

Originally assigned to the extant species *L. erinaceus* Staręga, 1966

† ***Stephanobunus*** **Dunlop & Mammitzsch, 2010** ..... **Palaeogene**

15. *Stephanobunus mitovi* Dunlop & Mammitzsch, 2010* ..... Pa Baltic amber

**?Phalangiidae**

16. *Opilio ovalis* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber
    [probably misplaced at genus level]

**SCLEROSOMATIDAE Simon, 1879*a*** ..... **Jurassic – Recent**

† ***Amauropilio*** **Mello-Leitão, 1937** ..... **Palaeogene**

17. *Amauropilio atavus* (Cockerell, 1907) ..... Pa Florissant
18. *Amauropilio lacoei* (Petrunkevitch, 1922) ..... Pa Florissant

***Leiobunum*** **C. L. Koch, 1839*a*** ..... **Jurassic – Recent**

19. *Leiobunum longipes* Menge *in* Koch & Berendt, 1854..... Pa Baltic /Bitter. amber
    i. = *Leiobunum saparum* Menge *in* Koch & Berendt, 1854
    [?*lapsus*] ..... Pa Baltic amber
    ii. = *Leiobunum inclusum* Roewer, 1939 ..... Pa Baltic amber

† ***Mesobunus*** **Huang, Selden & Dunlop, 2009** ..... **Jurassic**

20. *Mesobunus dunlopi* Giribet, Tourhino, Shih & Ren, 2012 ..... J Daohugou
21. *Mesobunus martensi* Huang, Selden & Dunlop, 2009* ..... J Daohugou

Family uncertain

† ***Daohugopilio*** **Huang, Selden & Dunlop, 2009** ..... **Jurassic**

22. *Daohugopilio sheari* Huang, Selden & Dunlop, 2009* ..... J Daohugou

## DYSPNOI Hansen & Sørensen, 1904 (suborder) ..... Carbon. – Recent

family uncertain

† ***Ameticos*** **Garwood *et al*., 2011** ..... **Carboniferous**

23. *Ameticos scolos* Garwood *et al*. 2011*..... C Montceau-les-Mines

† ***Echinopustulatus*** **Dunlop, 2004** ..... **Carboniferous**

24. *Echinopustulatus samuelnelsoni* Dunlop, 2004* ..... C Missouri

**ACROPSOPILIONOIDEA Roewer, 1924** ..... **Recent**

**ACROPSOPILIONIDAE Roewer, 1924** ..... **Recent**

**no fossil record**

superfamily uncertain

† **HALITHERSIDAE Dunlop, Selden & Giribet, 2016** ..... **Cretaceous**

† ***Halitherses*** **Giribet & Dunlop, 2005** ..... **Cretaceous**

25. *Halitherses grimaldii* Giribet & Dunlop, 2005* ..... K Burmese amber

**ISCHYROPSALIDOIDEA Simon, 1879*a*** ..... **Palaeogene – Recent**

Tentative assignment, family uncertain

† ***Piankhi*** **Dunlop, Bartel & Mitov, 2012** ..... **Palaeogene**

26. *Piankhi steineri* Dunlop, Bartel & Mitov, 2012* ..... Pa Baltic amber

**CERATOLASMATIDAE Shear, 1986** ..... **Recent**

no fossil record

**ISCHYROPSALIDIDAE Simon, 1879*a*** ..... **Recent**

no fossil record

**SABACONIDAE Dresco, 1970** ..... **Palaeogene – Recent**

***Sabacon*** **Simon, 1879*a*** ..... **Palaeogene – Recent**

27. *Sabacon claviger* (Menge *in* Koch & Berendt 1854) ..... Pa Baltic amber

i. = *Sabacon bachofeni* Roewer, 1939 ..... Pa Baltic amber

**TROGULOIDEA Sundevall, 1833** ..... **Cretaceous – Recent**

**DICRANOLASMATIDAE Simon, 1879*a*** ..... **Recent**

no fossil record

† **EOTROGULIDAE Petrunkevitch, 1955*a*** ..... **Carboniferous**

† ***Eotrogulus*** **Thevenin, 1901** ..... **Carboniferous**

28. *Eotrogulus fayoli* Thevenin, 1901* ..... C Commentry

**NEMASTOMATIDAE Simon, 1879*a*** ..... **Palaeogene – Recent**

***Histricostoma*** **Kratochvíl, 1958** ..... **Palaeogene – Recent**

29. ?*Histricostoma tuberculatum* (C. L. Koch & Berendt, 1854) Pa Baltic/Bitter. amber

***Mitostoma*** **Roewer, 1951** ..... **Palaeogene – Recent**

30. ?*Mitostoma denticulatum* (C. L. Koch & Berendt, 1854) ..... Pa Baltic amber

i. = *Nemastoma succineum* Roewer, 1939 ..... Pa Baltic amber

31. ?*Mitostoma gruberi* Dunlop & Mitov, 2009 ..... Pa Bitterfeld amber

***Nemastoma*** **C. L. Koch, 1836** ..... **Palaeogene – Recent**

32. ?*Nemastoma incertum* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

† **NEMASTOMOIDIDAE Petrunkevitch, 1955*a*** ..... **Carboniferous**

† ***Nemastomoides*** **Thevenin, 1901** ..... **Carboniferous**

= † *Protopilio* Petrunkevitch, 1913

33. *Nemastomoides elaveris* Thevenin, 1901* ..... C Commentry

34. *Nemastomoides longipes* (Petrunkevitch, 1913) ..... C Mazon Creek

**NIPPONOSALIDIDAE Martens, 1976** ..... **Recent**

no fossil record

**TROGULIDAE Sundevall, 1833** ..... **Palaeogene – Recent**

***Trogulus*** **Latreille, 1802** ..... **Palaeogene – Recent**

35. *Trogulus longipes* Haupt, 1956 ..... Pa Geiseltal

**LANIATORES Thorell, 1876*c* (suborder)** ..... **Cretaceous – Recent**

**family uncertain**

***Philacarus* Sørensen, 1932** ..... **Neogene – Recent**

36. *Philacarus hispaniolensis* Cokendolpher & Poinar, 1992 ..... Ne Dominican amber

**INSIDIATORES Loman, 1900 (infraorder)** ..... **Palaeogene – Recent**

**TRAVUNIOIDEA Absolon & Kratochvíl, 1932** ..... **Palaeogene – Recent**

**CLADONYCHIDAE Hadži, 1935** ..... **Palaeogene – Recent**

† ***Proholoscotolemon* Ubick & Dunlop, 2005** ..... **Palaeogene**

37. *Proholoscotolemon nemastomoides* (C. L. Koch & Berendt, 1854)* ..... Pa Baltic amber

?*Proholoscotolemon* sp. *in* Ubick & Dunlop (2005) ..... Pa Baltic amber

**PENTANYCHIDAE Briggs, 1971** ..... **Recent**

no fossil record

**TRAVUNIIDAE Absolon & Kratochvíl, 1932** ..... **Recent**

no fossil record

**TRIAENONYCHOIDEA Sørensen, 1886** ..... **Recent**

**SYNTHETONYCHIIDAE Forster, 1954** ..... **Recent**

no fossil record

**TRIAENONYCHIDAE Sørensen, 1886** ..... **Recent**

no fossil record

**GRASSATORES Kury, 2002 (infraorder)** ..... **Cretaceous – Recent**

**SAMOIDEA Sørensen, 1886** ..... **Neogene – Recent**

**BIANTIDAE Thorell, 1889** ..... **Recent**

no fossil record

**ESCADABIIDAE Kury & Pérez González *in* Kury, 2003** ..... **Recent**

no fossil record

**KIMULIDAE Pérez González, Kury & Alonso-Zarazaga *in* Pérez González & Kury, 2007** ..... **Neogene – Recent**

***Kimula* Goodnight & Goodnight, 1942** ..... **Neogene – Recent**

*Kimula* sp. *in* Cokendolpher & Poinar (1992) ..... Ne Dominican amber

**PODOCTIDAE Roewer, 1912** ..... **Recent**

no fossil record

**SAMOIDAE Sørensen, 1886** ..... **Neogene – Recent**

***Hummelinckiolus* Šilhavý, 1979** ..... **Neogene – Recent**

38. *Hummelinckiolus silhavyi* Cokendolpher & Poinar, 1998 ..... Ne Dominican amber

***Pellobunus* Banks, 1905** ..... **Neogene – Recent**

39. *Pellobunus proavus* Cokendolpher, 1987 ..... Ne Dominican amber

**STYGNOMMATIDAE Roewer, 1923** ..... **Recent**

no fossil record

**ASSAMIOIDEA Sørensen, 1884** ..... **Cretaceous – Recent**

**ASSAMIIDAE Sørensen, 1884** ..... **Recent**

no fossil record

**EPEDANIDAE Sørensen, 1886** ..... **Cretaceous – Recent**

† ***Petrobunoides* Selden, Dunlop, Giribet, Zhang & Ren, 2016** ..... **Cretaceous**

40. *Petrobunoides sharmai* Selden, Dunlop, Giribet, Zhang & Ren, 2016* .... K Burmese amber

**PETROBUNIDAE Sharma & Giribet, 2011** ..... **Recent**

no fossil record

**PYRAMIDOPIIDAE Sharma, Prieto & Giribet, 2011** ..... **Recent**

no fossil record

**STYGNOPSIDAE Sørensen, 1932** ..... **Recent**

no fossil record

**TITHAEIDAE Sharma & Giribet, 2011** ..... **Recent**

no fossil record

**GONYLEPTOIDEA Sundevall, 1833** ..... **Recent**

**AGORISTENIDAE Šilhavý, 1973** ..... **Recent**

no fossil record

**COSMETIDAE C. L. Koch, 1839*a*** ..... **Recent**

no fossil record

**CRANAIDAE Roewer, 1913** ..... **Recent**

no fossil record

**GONYLEPTIDAE Sundevall, 1833** ..... **Recent**

no fossil record

**MANAOSBIIDAE Roewer, 1943** ..... **Recent**

no fossil record

**STYGNIDAE Simon, 1879*b*** ..... **Recent**

no fossil record

**PHALANGODOIDEA Simon, 1879*a*** ..... **Recent**

**ONCOPODIDAE Thorell, 1876*c*** ..... **Recent**

no fossil record

**PHALANGODIDAE Simon, 1879*a*** ..... **Recent**

no fossil record

**ZALMOXOIDEA Sørensen, 1886** ..... **Recent**

**FISSIPHALLIIDAE Martens, 1988** ..... **Recent**

no fossil record

**GUASINIIDAE González-Sponga, 1997** ..... **Recent**

no fossil record

**ICALEPTIDAE Kury & Pérez González, 2002** ..... **Recent**

no fossil record

**ZALMOXIDAE Sørensen, 1886** ..... **Recent**

no fossil record

**OPILIONES *incertae sedis***

unnamed specimen *in* Jell & Duncan (1986) ..... K Koonwarra

† ***Arachnometa* Petrunkevitch, 1949** ..... **Carboniferous**

41. *Arachnometa tuberculata* Petrunkevitch, 1949* ..... C Coseley

Originally misplaced in Aranae, transferred to Opiliones by Selden *et al*. (2016)

*NOMINA DUBIA*

1. *Cheiromachus coriaceus* Menge *in* Koch & Berendt, 1854 ..... Pa Baltic amber
2. *Phalangium succineum* Presl, 1822 ..... Pa Baltic amber

MISIDENTIFICATIONS

1. *Hasseltides primigenius* Weyenbergh, 1869 [crinoid] ..... J Solnhofen
2. *Phalangites multipes* Münster *in* Roth, 1851 [crustacean] ..... J Solnhofen
3. *Phalangites priscus* Münster, 1839 [crustacean] ..... J Solnhofen
4. *Rhabdotarachnoides simoni* Haupt, 1957 [plant fragment] ..... P Rotliegend

6,491 Recent species according to Kury (2011)

# PHALANGIOTARBIDA

31 currently valid species of fossil phalangiotarbid

† **PHALANGIOTARBIDA Haase, 1890** ..... **Devonian – Permian**

= † ARCHITARBIDA Petrunkevitch, 1945*a*

† **DEVONOTARBIDAE Poschmann & Dunlop, 2012** ..... **Devonian**

† ***Devonotarbus* Poschmann, Anderson & Dunlop, 2005** ..... **Devonian**

1. *Devonotarbus hombachensis* Poschmann, Anderson & Dunlop, 2005* D Germany

† **ANTHRACOTARBIDAE Kjellesvig-Waering, 1969** ..... **Carboniferous**

† ***Anthracotarbus* Kjellesvig-Waering, 1969** ..... **Carboniferous**

2. *Anthracotarbus hintoni* Kjellesvig-Waering, 1969* ..... C Oklahoma

† **ARCHITARBIDAE Karsch, 1882** ..... **Carboniferous**

= † PHALANGIOTARBIDAE Haase, 1890

† ***Architarbus* Scudder, 1868** ..... **Carboniferous**

3. *Architarbus hoffmanni* Guthörl, 1934 ..... C Saar basin
   i. = *Opiliotarbus kliveri* Waterlot, 1935..... C Saar basin
   ii. = *Goniotarbus sarana* Guthörl, 1965 ..... C Saar basin
4. *Architarbus minor* Petrunkevitch, 1913 ..... C Mazon Creek
5. *Architarbus rotundatus* Scudder, 1868* ..... C Mazon Creek

† ***Bornatarbus* Rößler & Schneider, 1997** ..... **Carboniferous**

6. *Bornatarbus mayasii* (Haupt *in* Nindel, 1955)* ..... C Germany / UK

† ***Discotarbus* Petrunkevitch, 1913** ..... **Carboniferous**

7. *Discotarbus deplanatus* Petrunkevitch, 1913* ..... C Mazon Creek

† ***Geratarbus* Scudder, 1890*b*** ..... **Carboniferous**

8. *Geratarbus lacoei* Scudder, 1890*b** ..... C Mazon Creek
9. *Geratarbus bohemicus* Petrunkevitch, 1953 ..... C Nýřany

† ***Goniotarbus* Petrunkevitch, 1949** ..... **Carboniferous**

10. *Goniotarbus angulatus* (Pocock, 1911) ..... C Coseley
11. *Goniotarbus tuberculatus* (Pocock, 1911)* ..... C Coseley
    i. = *Goniotarbus tuberculatus* Petrunkevitch, 1949 ..... C Coseley

† ***Hadrachne* Melander, 1903** ..... **Carboniferous**

12. *Hadrachne horribilis* Melander, 1903* ..... C Mazon Creek

† ***Leptotarbus* Petrunkevitch, 1945*a*** ..... **Carboniferous**

13. *Leptotarbus torpedo* (Pocock, 1911)* ..... C Coseley

† ***Mesotarbus* Petrunkevitch, 1949** ..... **Carboniferous**

14. *Mesotarbus angustus* (Pocock, 1911) ..... C Coseley

15. *Mesotarbus eggintoni* (Pocock, 1911) ..... C Coseley
16. *Mesotarbus hindi* (Pocock, 1911) ..... C Coseley
17. *Mesotarbus intermedius* Petrunkevitch, 1949* ..... C Coseley
18. *Mesotarbus peteri* Dunlop & Horrocks, 1997 ..... C Westhoughton

† ***Metatarbus* Petrunkevitch, 1913** ..... **Carboniferous**

19. *Metatarbus triangularis* Petrunkevitch, 1913* ..... C Mazon Creek

† ***Ootarbus* Petrunkevitch, 1945*a*** ..... **Carboniferous**

20. *Ootarbus pulcher* Petrunkevitch, 1945*a** ..... C Mazon Creek
21. *Ootarbus ovatus* Petrunkevitch, 1945*a* ..... C Mazon Creek

† ***Orthotarbus* Petrunkevitch, 1945*a*** ..... **Carboniferous**

22. *Orthotarbus longipes* Simon, 1971 ..... C Halleschen Mulde
23. *Orthotarbus minutus* (Petrunkevitch, 1913)* ..... C Mazon Creek
24. *Orthotarbus robustus* Petrunkevitch, 1945*a* ..... C Mazon Creek
25. *Orthotarbus nyranensis* Petrunkevitch, 1953 ..... C Nýřany

† ***Paratarbus* Petrunkevitch, 1945a** ..... **Carboniferous**

26. *Paratarbus carbonarius* Petrunkevitch, 1945*a** ..... C Mazon Creek

† ***Phalangiotarbus* Haase, 1890** ..... **Carboniferous**

27. *Phalangiotarbus subovalis* (Woodward, 1872*b*)* ..... C Burnley

† ***Pycnotarbus* Darber, 1990** ..... **Carboniferous**

28. *Pycnotarbus verrucosus* Darber, 1990* ..... C Oelsnitz

† ***Triangulotarbus* Patrick, 1989** ..... **Carboniferous**

29. *Triangulotarbus terrehautensis* Patrick, 1989* ..... C Indiana

† **HETEROTARBIDAE Petrunkevitch, 1913** ..... **Carboniferous**

† ***Heterotarbus* Petrunkevitch, 1913** ..... **Carboniferous**

30. *Heterotarbus ovatus* Petrunkevitch, 1913* ..... C Mazon Creek

† **OPILIOTARBIDAE Petrunkevitch, 1945*a*** ..... **Carb. – Permian**

† ***Opiliotarbus* Pocock, 1910** ..... **Carb. – Permian**

31. *Opiliotarbus elongatus* (Scudder, 1890*b*)* ..... C – P USA / Germany

*NOMINA DUBIA*

1. *Eotarbus litoralis* Kušta, 1888 ..... C Rakovník
2. *Nemastomoides depressus* Petrunkevitch, 1913 ..... C Mazon Creek

no Recent species

# PSEUDOSCORPIONES

49 currently valid species of fossil pseudoscorpion

**PSEUDOSCORPIONES De Geer, 1778** ..... **Devonian – Recent**

= CHERNETES Simon, 1879*a*

† **DRACOCHELIDAE Schawaller, Shear & Bonamo, 1991 (plesion family)** ..... **Devonian**

† ***Dracochela* Schawaller, Shear & Bonamo, 1991** ..... **Devonian**

1. *Dracochela deprehendor* Schawaller, Shear & Bonamo, 1991* ..... D Gilboa

**CHELONETHI Thorell, 1882** ..... **Cretaceous – Recent**

**EPIOCHIERATA Harvey, 1992** ..... **Cretaceous – Recent**

**CHTHONOIDEA Daday, 1889** ..... **Palaeogene – Recent**

**CHTHONIIDAE Daday, 1889** ..... **Palaeogene – Recent**

***Chthonius* C. L. Koch, 1843*a*** ..... **Palaeogene – Recent**

2. *Chthonius* (*Chthonius*) *mengei* Beier, 1937 ..... Pa Baltic amber
3. *Chthonius* (*Chthonius*) *pristinus* Schawaller, 1978 ..... Pa Baltic amber

***Paraliochthonius* Beier, 1956** ..... **Neogene – Recent**

4. *Paraliochthonius miomaya* Judson, 2016 ..... Ne Chiapas amber

***Pseudochthonius* Balzan, 1892** ..... **Neogene – Recent**

5. *Pseudochthonius squamosus* Schawaller, 1980*a* ..... Ne Dominican amber

***Tyrannchthonius* Chamberlin, 1929** ..... **Neogene – Recent**

*Tyrannchthonius* sp. *in* Judson (2010) ..... Qt Madagascan copal

*Tyrannchthonius* sp. *in* Judson (2016) ..... Ne Chiapas amber

**LECHYTIDAE Chamberlin, 1929** ..... **Neogene – Recent**

***Lechytia* Balzan, 1892** ..... **Neogene – Recent**

6. *Lechytia tertiaria* Schawaller, 1980*a* ..... Ne Dominican amber

**TRIDENCHTHONIIDAE Balzan, 1892** ..... **Palaeogene – Recent**

= DITHIDAE Chamberlin, 1929

† ***Chelignathus* Menge, 1854** ..... **Palaeogene**

7. *Chelignathus kochii* Menge *in* Koch & Berendt 1854* ..... Pa Baltic amber

**FEAELLOIDEA Ellingsen, 1906** ..... **Cretcaeous – Recent**

**FEAELLIDAE Ellingsen, 1906** ..... **Cretcaeous – Recent**

***Feaella (Tetrafeaella)* Beier, 1955** ..... **Palaeogene – Recent**

8. *Feaella (Tetrafeaella) groehni* Henderickx *in* Henderickx & Boone, 2014 Pa Baltic amber

† ***Protofeaella*** **Henderickx *in* Henderickx & Boone, 2014** ..... **Cretcaeous – Recent**

9. *Protofeaella peetersae* Henderickx *in* Henderickx & Boone, 2016* .....K Burmese amber

**PSEUDOGARYPIDAE Chamberlin, 1923*a*** ..... **Palaeogene – Recent**

***Pseudogarypus*** **Ellingsen, 1909** ..... **Palaeogene – Recent**

10. *Pseudogarypus extensus* Beier, 1937 .....Pa Baltic amber
11. *Pseudogarypus hemprichii* (C. L. Koch & Berendt, 1854) .....Pa Baltic amber
12. *Pseudogarypus minor* Beier, 1947*a* .....Pa Baltic/Rovno amber
13. *Pseudogarypus pangaea* Henderickx *in* Henderickx *et al.*, 2006.....Pa Baltic amber
14. *Pseudogarypus synchrotron* Henderickx *in* Henderickx *et al.*, 2012 ..... Pa Baltic amber

**IOCHIERATA Harvey, 1992** ..... **Cretaceous – Recent**

**HEMICTENATA Balzan, 1892** ..... **Cretaceous – Recent**

**NEOBISIOIDEA Chamberlin, 1930** ..... **Cretaceous – Recent**

**BOCHICIDAE Chamberlin, 1930** ..... **Recent**

= VACHONIIDAE Chamberlin, 1947

no fossil record

**GYMNOBISIIDAE Beier, 1947*b*** ..... **Recent**

no fossil record

**HYIDAE Chamberlin, 1930** ..... **Recent**

no fossil record

**IDEORONCIDAE Chamberlin, 1930** ..... **Recent**

no fossil record

**NEOBISIIDAE Chamberlin, 1930** ..... **Cretaceous – Recent**

= OBISIIDAE Sundevall, 1833

***Microcreagris*** **Balzan, 1892** ..... **Palaeogene – Recent**

15. *Microcreagris koellnerorum* Schawaller, 1978 ..... Pa Baltic amber

***Neobisium*** **Chamberlin, 1930** ..... **Palaeogene – Recent**

16. *Neobisium* (*Neobisium*) *exstinctum* Beier, 1955 ..... Pa Baltic amber
17. *Neobisium henderickxi* Judson, 2003 .....Pa Baltic amber

***Roncus*** **L. Koch, 1873** ..... **Palaeogene – Recent**

18. *Roncus succineus* Beier, 1955 .....Pa Baltic amber

**PARAHYIDAE Harvey, 1992** ..... **Recent**

no fossil record

**SYARINIDAE Chamberlin, 1930** ..... **Recent**

no fossil record

**PANCTENATA Balzan, 1892** ..... **Cretaceous – Recent**

**GARYPOIDEA Simon, 1879*a*** ..... **Cretaceous – Recent**

**GARYPIDAE Simon, 1879*a*** ..... **Recent**

= SYNSPHRONIDAE Beier, 1932*a*

no fossil record

**GARYPINIDAE Daday, 1889** ..... **Cretaceous – Recent**

***Amblyolpium* Simon, 1898*b*** ..... **Cretaceous – Recent**

19. *Amblyolpium burmiticum* (Cockerell, 1920) ..... K Burmese amber

***Garypinus* Daday, 1888** ..... **Palaeogene – Recent**

20. *Garypinus electri* Beier, 1937 ..... Pa Baltic amber

**GEOGARYPIDAE Chamberlin, 1930** ..... **Palaeogene – Recent**

***Geogarypus* Chamberlin, 1930** ..... **Palaeogene – Recent**

21. *Geogarypus gorskii* Henderickx, 2005 ..... Pa Baltic/Rovno amber

22. *Geogarypus macrodactylus* Beier, 1937 ..... Pa Baltic amber

23. *Geogarypus major* Beier, 1937 ..... Pa Baltic amber

**LARCIDAE Harvey, 1992** ..... **Recent**

no fossil record

**MENTHIDAE Chamberlin, 1930** ..... **Recent**

no fossil record

**OLPIIDAE Banks, 1895** ..... **Palaeogene – Recent**

no fossil record

**STERNOPHOROIDEA Chamberlin, 1923*b*** ..... **Neogene – Recent**

**STERNOPHORIDAE Chamberlin, 1923*b*** ..... **Neogene – Recent**

***Idiogaryops* Hoff, 1963** ..... **Neogene – Recent**

24. *Idiogaryops pumilus* (Hoff, 1963) **[Recent]** ..... Ne–R Dominican amber

**CHEIRIDIOIDEA Hansen, 1894** ..... **Palaeogene – Recent**

**CHEIRIDIIDAE Hansen, 1894** ..... **Palaeogene – Recent**

***Cheiridium* Menge, 1855** ..... **Palaeogene – Recent**

25. *Cheiridium hartmanni* (Menge in Koch & Berendt 1854) ..... Pa Baltic amber

***Cryptocheiridium* Chamberlin, 1931*a*** ..... **Neogene – Recent**

26. *Cryptocheiridium* (*Cryptocheiridium*) *antiquum* Schawaller, 1981 ..... Ne Dominican amber

† ***Electrobisium* Cockerell, 1917** ..... **Cretaceous**

27. *Electrobisium acutum* Cockerell, 1917*a** ..... K Burmese amber

**PSEUDOCHIRIDIIDAE Chamberlin, 1923*b*** ..... **Neogene – Recent**

***Pseudochiridium* With, 1906** ..... **Neogene – Recent**

28. *Pseudochiridium lindae* Judson, 2007 ..... Ne Dominican amber

**CHELIFEROIDEA Risso, 1826** ..... **Cretaceous – Recent**

**ATEMNIDAE Kishida, 1929** ..... **Palaeogene – Recent**

Atemninae indet. *in* Judson (2010) ..... Qt Dominican amber

***Paratemnoides* Harvey, 1991** ..... **Neogene – Recent**

29. *Paratemnoides nidificator* (Balzan, 1888) **[Recent]** ..... Qt–R Colombian copal

*Paratemnoides* (?) sp. *in* Judson (2016) ..... Ne Chiapas amber

† ***Progonatemnus* Beier, 1955** ..... **Palaeogene**

30. *Progonatemnus succineus* Beier, 1955* ..... Pa Baltic amber

**CHELIFERIDAE Risso, 1827** ..... **Cretaceous – Recent**

Cheliferidae? indet. *in* Judson (2009) ..... K Archingeay amber

Cheliferini gen. sp. indet *in* Judson (2016) ..... Ne Chiapas amber

† ***Dichela* Menge, 1854** ..... **Palaeogene**

= † *Oligochelifer* Beier, 1937

31. *Dichela berendtii* Menge *in* Koch & Berendt 1854* ..... Pa Baltic amber
32. *Dichela gracilis* (Beier, 1937) ..... Pa Baltic amber
33. *Dichela granulatus* (Beier, 1937) ..... Pa Baltic amber
34. *Dichela serratidentatus* (Beier, 1937) ..... Pa Baltic amber

† ***Electrochelifer* Beier, 1937** ..... **Palaeogene**

35. *Electrochelifer bachofeni* Beier, 1947*a* ..... Pa Baltic amber
36. *Electrochelifer balticus* Beier, 1955 ..... Pa Baltic amber
37. *"Electrochelifer" groehni* Dashdamirmov, 2008 ..... Pa Baltic amber
38. *Electrochelifer mengei* Beier, 1937* ..... Pa Baltic amber
39. *Electrochelifer rapulitarsatus* Beier, 1947*a* ..... Pa Baltic amber

† ***Heurtaultia* Judson, 2009** [tentative referal to family] ..... **Cretaceous**

40. *Heurtaultia rossiorum* Judson, 2009 ..... K Archingeay amber

† ***Pycnochelifer* Beier, 1937** ..... **Palaeogene**

41. *Pycnochelifer kleemanni* (C. L. Koch & Berendt, 1854)* ..... Pa Baltic amber

i. = *Obisium rathkii* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

† ***Trachychelifer* Hong, 1983b** ..... **Palaeogene**

42. *Trachychelifer liaoningense* Hong, 1983*b** ..... Pa Chinese amber

**CHERNETIDAE Menge, 1855** ..... **Cretaceous – Recent**

Chernetidae gen. et sp. indet *in* Schawaller (1991) ..... K Canadian amber

Chernetidae gen. et sp. indet *in* Schawaller (1982*b*) ..... Ne Chiapas amber

***Byrsochernes* Beier, 1959** ..... **Neogene – Recent**

= † *Mayachernes* Riquelme, Piedra-Jiménez & Córdova-Tabares, 2014 *in* Riquelme *et al*. (2014)

43. *Byrsochernes maatiatus* (Riquelme, Piedra-Jiménez &

Córdova-Tabares, 2014 *in* Riquelme *et al*. (2014)) ..... ..... Ne Chiapas amber

***Lustrochernes* Beier, 1932** ..... **Neogene – Recent**

*Lustrochernes* (?) sp. 1–2 *in* Judson (2016) ..... Ne Chiapas amber

† ***Oligochernes* Beier, 1937** ..... **Palaeogene**

44. *Oligochernes bachofeni* Beier, 1937 ..... Pa Baltic amber

45. *Oligochernes wigandi* (Menge *in* Koch & Berendt 1854) ..... Pa Baltic amber

***Pachychernes* Beier, 1932*b*** ..... **Neogene – Recent**

46. *Pachychernes effossus* Schawaller, 1980*b* ..... Ne Dominican amber

47. *Pachychernes* aff. *subrobustus* (Balzan, 1892) ..... Qt–R Colombian copal

**WITHIIDAE Chamberlin, 1931*b*** ..... **Palaeogene – Recent**

† ***Beierowithius* Mahnert, 1979** ..... **Palaeogene**

48. *Beierowithius sieboldtii* (Menge *in* Koch & Berendt 1854)* ..... Pa Baltic amber

***Withius* Kew, 1911** ..... **Quaternary – Recent**

49. *Withius eucarpus* (Dalman, 1826) ..... Qt East African opal

*NOMUM DUBIUM*

1. *Chelifer ehrenbergii* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

*NOMUM NUDUM*

1. *Chelifer fossilis* Weyenbergh, 1874 ..... J Solnhofen

3,454 Recent species according to Harvey (2011)

# SOLIFUGAE

6 currently valid species of camel spider

- *Schneidarachne* appears to show some solifuge-like features and was tentatively assigned to the stem-lineage of this order; for convienience it is listed here alongside the camel spiders
- a family name Protosolpugidae has been proposed for *Protosolpuga*, but was not recognised in most of the subsequent literature – cf. Selden & Shear's (1996) revision

**stem-lineage?**

† ***Schneidarachne*** **Dunlop & Rössler, 2003** ..... **Carboniferous**

1. *Schneidarachne saganii* Dunlop & Rössler, 2003* ..... C Kamienna Góra

## SOLIFUGAE Sundevall, 1833 ..... Carbon. – Recent

**SOLIFUGAE *INCERTAE SEDIS***

† ***Protosolpuga*** **Petrunkevitch, 1913** ..... **Carboniferous**

2. *Protosolpuga carbonaria* Petrunkevitch, 1913* ..... C Mazon Creek

† ***Cushingia*** **Dunlop, Bird, Brookhart & Bechly 2015** ..... **Cretaceous**

3. *Cushingia ellenbergeri* Dunlop, Bird, Brookhart & Bechly 2015* ..... K Burmese Amber

**AMMOTRECHIDAE Roewer, 1934** ..... **Neogene – Recent**

† ***Happlodontus*** **Poinar & Santiago-Blay, 1989** ..... **Neogene**

4. *Happlodontus proterus* Poinar & Santiago-Blay, 1989* ..... Ne Dominican amber

**CEROMIDAE Roewer, 1933** ..... **Cretaceous – Recent**

† ***Cratosolpuga*** **Selden *in* Selden & Shear, 1996** ..... **Cretaceous**

5. *Cratosolpuga wunderlichi* Selden *in* Selden & Shear, 1996* ..... K Crato Formation

**DAESIIDAE Kraepelin, 1899** ..... **Palaeogene – Recent**

† ***Palaeoblossia*** **Dunlop, Wunderlich & Poinar, 2004** ..... **Palaeogene**

6. *Palaeoblossia groehni* Dunlop, Wunderlich & Poinar, 2004* ..... Pa Baltic amber

**EREMOBATIDAE Kraepelin, 1901** ..... **Recent**

no fossil record

**GALEODIDAE Sundevall, 1833** ..... **Recent**

no fossil record

**GYLIPPIDAE Roewer, 1933** ..... **Recent**

no fossil record

**HEXISOPODIDAE Pocock, 1897** ..... **Recent**

no fossil record

**KARSCHIIDAE Kraepelin, 1899** ..... **Recent**

no fossil record

**MELANOBLOSSIDAE Roewer, 1933** ..... **Recent**

no fossil record

**MUMMUCIIDAE Roewer, 1934** ..... **Recent**

no fossil record

**RHAGODIDAE Pocock, 1897** ..... **Recent**

no fossil record

**SOLPUGIDAE Leach, 1815** ..... **Recent**

no fossil record

1,113 Recent species according to Prendini (2011)

# PALPIGRADI

2 currently valid species of fossil palpigrade

**PALPIGRADI Thorell, 1888** ..... **Cretaceous – Recent**

= MICROTHELYPHONIDA Grassi & Calandruccio, 1885

**family uncertain**

† ***Paleokoenenia*** **Rowland & Sissom, 1980** ..... **Neogene**

1. *Paleokoenenia mordax* Rowland & Sissom, 1980* ..... Ne Onyx Marble

**EUKOENENIIDAE Petrunkevitch, 1955*a*** ..... **Cretaceous – Recent**

† ***Electrokoenenia*** **Engel & Huang *in* Engel *et al*., 2016** ..... **Cretaceous**

2. *Electrokoenenia yaksha* Engel & Huang *in* Engel *et al*., 2016* ..... K Burmese amber

**PROKOENENIIDAE Condé, 1996** ..... **Recent**

no fossil record

MISIDENTIFICATIONS

1. *Sternarthron zitteli* Haase, 1890 [insect] ..... J Solnhofen
2. *Sternarthron zitteli* var. *minor* (Oppenheim, 1887) [insect] ..... J Solnhofen

82 Recent species according to Prendini (2011)

# ACARI: PARASITIFORMES

17 currently valid species of fossil parasitiform mite

- higher systematics and sequence of taxa follows the third edition of *A Manual of Acarology* (Krantz & Walter, eds, 2009), except that their orders are listed here as suborders, and suborders as infraorders to achieve some degree of consistency with other arachnid higher taxa throughout this list

**PARASITIFORMES Reuter, 1909** ..... **Cretaceous – Recent**

= ANACTINOTRICHIDA author, date?

**OPILIOACARIDA Zachvatkin, 1952 (suborder)** ..... **Cretaceous – Recent**

= NOTOSTIGMATA author, date?

**OPILIOACAROIDEA Vitzthum, 1931** ..... **Cretaceous – Recent**

**OPILIOACARIDAE Vitzthum, 1931** ..... **Cretaceous – Recent**

= NEOACARIDAE Chamberlin & Mulaik, 1942

***Opilioacarus* With, 1902** ..... **?Cretaceous – Recent**

1. *?Opilioacarus aenigmus* Dunlop, Sempf & Wunderlich, 2010 ..... Pa Baltic amber
2. ?*Opilioacarus groehni* Dunlop & Bernardi, 2014 ..... K Burmese amber

***Paracarus* Chamberlin & Mulaik, 1942** ..... **Palaeogene – Recent**

3. *Paracarus pristinus* Dunlop, Wunderlich & Poinar, 2004 ..... Pa Baltic amber

**HOLOTHYRIDA Thorell, 1882 (suborder)** ..... **Recent**

= TETRASTIGMATA author, date?

**HOLOTYHROIDEA Thorell, 1882** ..... **Recent**

**ALLOTHYRIDAE van der Hammen, 1972** ..... **Recent**

no fossil record

**HOLOTHYRIDAE Thorell, 1882** ..... **Recent**

no fossil record

**NEOTHYRIDAE Lehtinen, 1981** ..... **Recent**

no fossil record

**IXODIDA Leach, 1815 (suborder)** ..... **Cretaceous – Recent**

= METASTIGMATA author, date?

**IXODOIDEA Banks, 1907** ..... **Cretaceous – Recent**

**ARGASIDAE Murray, 1877** ..... **Cretaceous – Recent**

***Carios* Latreille, 1796** ..... **Cretaceous – Recent**

4. *Carios jerseyi* Klompen & Grimaldi, 2001 ..... K New Jersey amber

***Ornithodoros*** **C. L. Koch, 1844** ..... **Neogene – Recent**

5. *Ornithodoros antiquus* Poinar, 1995 ..... Ne Dominican amber

**IXODIDAE Banks, 1907** ..... **Cretaceous – Recent**

NB: a putative *Hyalomma* in Baltic amber in de la Fuente (2003) is a misidentification.

***Amblyomma*** **C. L. Koch, 1844** ..... **Cretaceous – Recent**

6. *Amblyomma* near *argentinae* Neumann, 1905 **[Recent]** (as *testudinis*) *in* Lane & Poinar (1986) ..... Ne–R Dominican amber
7. *Amblyomma birmitum* Chitima-Dobler, Araujo, Ruthensteiner, Pfeffer & Dunlop, 2017 ..... K Burmese amber
8. *Amblyomma* near *dissimile* C. L. Koch, 1844 **[Recent]** *in* Kierens *et al*. (1986) ..... Ne–R Dominican amber

   *Amblyomma* sp. *in* (Klompen *in* Grimaldi *et al*. 2002) ..... K Burmese amber

† ***Compluriscutata*** **Poinar & Buckley, 2008** ..... **Cretaceous**

9. *Compluriscutata vetulum* Poinar & Buckley, 2008* ..... K Burmese amber

† ***Cornupalpatum*** **Poinar & Brown, 2003** ..... **Cretaceous**

10. *Cornupalpatum burmanicum* Poinar & Brown, 2003* ..... K Burmese amber

***Dermacentor*** **C. L. Koch, 1844** ..... **Neogene – Recent**

11. *Dermacentor* nr. *reticulatus* (Fabricius, 1794) **[Recent]** (*in* Kulczyński *in* Schille 1916) ..... Ne–R in a Rhino's ear

***Ixodes*** **Latreille, 1795** ..... **Palaeogene – Recent**

12. *Ixodes sigelos* Keirans, Clifford & Corwin, 1976 **[Recent]** ..... Qt Argentina
13. *Ixodes* (*Partipalpiger*) *succineus* Weidner, 1964 ..... Pa Baltic amber

**NUTALLIELLIDAE Schulze, 1935** ..... **Recent**

no fossil record

**MESOSTIGMATA G. Canestrini, 1891 (suborder)** ..... **Palaeogene – Recent**

= GAMASIDA Leach, 1815

**SEJIDA Kramer, 1885 (infraorder)** ..... **Palaeogene – Recent**

= LIROASPINA author, date?

= TRICHOPYGIDIINA author, date?

**SEJOIDEA Berlese, 1885** ..... **Palaeogene – Recent**

**ICHTHYOSTOMATOGASTERIDAE Sellnick, 1953** ..... **Recent**

no fossil record

**SEJIDAE Berlese, 1885** ..... **Palaeogene – Recent**

= LIROASPIDIDAE Trägårdh, 1946

***Sejus*** **C. L. Koch, 1836** [NB: *Seius* in an invalid emendation] ..... **Palaeogene – Recent**

14. *Sejus bdelloides* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

**UROPODELLIDAE Camin, 1955** ..... **Recent**

no fossil record

**TRIGYNASPIDA Camin & Gorirossi, 1955 (infraorder)** ..... **Recent**

**CERCOMEGISTINA Camin & Gorirossi, 1955 (cohort)** ..... **Recent**

**CERCOMEGISTOIDEA Trägårdh, 1937** ..... **Recent**

**ASTERNOSEIIDAE Vale, 1955** ..... **Recent**

no fossil record

**CERCOMEGISTIDAE Trägårdh, 1937** ..... **Recent**

no fossil record

**DAVACARIDAE Kethley, 1979** ..... **Recent**

no fossil record

**PYROSEJIDAE Lindquist & Moraza, 1993** ..... **Recent**

no fossil record

**SALTISEIIDAE Walter, 2000** ..... **Recent**

no fossil record

**SEIODIDAE Kethley, 1979** ..... **Recent**

no fossil record

**ANTENNOPHORINA Berlese, 1882 (cohort)** ..... **Recent**

**ANTENNOPHOROIDEA Berlese, 1892** ..... **Recent**

**ANTENNOPHORIDAE Berlese, 1892** ..... **Recent**

no fossil record

**CELAENOPSOIDEA Berlese, 1892** ..... **Recent**

**CELAENOPSIDAE Berlse, 1892** ..... **Recent**

no fossil record

**COSTACARIDAE Hunter, 1993** ..... **Recent**

no fossil record

**DIPLOGYNIIDAE Trägårdh, 1941** ..... **Recent**

no fossil record

**EUZERCONIDAE Trägårdh, 1938** ..... **Recent**

no fossil record

**MEGACELAENOPSIDAE Funck, 1975** ..... **Recent**

no fossil record

**MEINERTULIDAE Trägårdh, 1950** ..... **Recent**

no fossil record

**NEOTENOGYNIIDAE Kethley, 1974** ..... **Recent**

no fossil record

**SCHIZOGYNIIDAE Trägårdh, 1950** ..... **Recent**

no fossil record

**TRIPLOGYNIIDAE Funck, 1977** ..... **Recent**

no fossil record

**PARAMEGISTOIDEA Trägårdh, 1946** ..... **Recent**

**PARAMEGISTIDAE Trägårdh, 1946** ..... **Recent**

no fossil record

**FEDRIZZIOIDEA Trägårdh, 1937** ..... **Recent**

**FEDRIZZIIDAE Trägårdh, 1937** ..... **Recent**

no fossil record

**KLINCKOWSTROEMIIDAE Camin & Gorirossi, 1955** ..... **Recent**

no fossil record

**PROMEGISTIDAE Kethley, 1979** ..... **Recent**

no fossil record

**MEGISTHANOIDEA Berlese, 1914** ..... **Recent**

**HOPLOMEGISTIDAE Camin & Gorirossi, 1955** ..... **Recent**

no fossil record

**MEGISTHANIDAE Berlese, 1914** ..... **Recent**

no fossil record

**PARANTENNULOIDEA Willmann, 1940** ..... **Recent**

**PARANTENNULIDAE Willmann, 1940** ..... **Recent**

no fossil record

**PHILODANIDAE Kethley, 1977*b*** ..... **Recent**

no fossil record

**AENICTEQUOIDEA Kethley, 1979** ..... **Recent**

**AENICTEQUIDAE Kethley, 1979** ..... **Recent**

no fossil record

**EUPHYSALOZERCONIDAE Kim, 2008** ..... **Recent**

no fossil record

**MESSORACARIDAE Kethley, 1977** ..... **Recent**

no fossil record

**PHYSALOZERCONIDAE Kethley, 1977** ..... **Recent**

no fossil record

**PTOCHACARIDAE Kethley, 1979** ..... **Recent**

no fossil record

**MONOGYNASPIDA Camin &Goriossi, 1955 (infrorder)** ..... **Palaeogene – Recent**

**MICROGYNIINA Trägårdh, 1942 (cohort)** ..... **Palaeogene –Recent**

**MICROGYNIOIDEA Trägårdh, 1942** ..... **Palaeogene –Recent**

Microgynoidea sp. *in* Dunlop *et al*. (2013) ..... Pa Baltic amber

**MICROGYNIIDAE Trägårdh, 1942** ..... **Recent**

= MICROSEJIDAE Trägårdh, 1942

no fossil record

**NOTHOGYNIDAE Walter & Kranz, 1999** ..... **Recent**

no fossil record

**HEATHERELLINA author, date? (cohort)** ..... **Recent**

**HEATHERELLOIDEA Walter, 1997** ..... **Recent**

**HEATHERELLIDAE Walter, 1997** ..... **Recent**

no fossil record

**UROPODOIDEA Kramer, 1881 (cohort)** ..... **Palaeogene – Recent**

**UROPODIAE Kramer, 1881 (subcohort)** ..... **Palaeogene – Recent**

**PROTODINYCHOIDEA Evans, 1957** ..... **Recent**

**PROTODINYCHIDAE Evans, 1957** ..... **Recent**

no fossil record

**THINOZERCONOIDEA Halbert, 1915** ..... **Recent**

**THINOZERCONIDAE Halbert, 1915** ..... **Recent**

no fossil record

**POLYASPIDOIDEA Berlese, 1913** ..... **Recent**

**DITHINOZERCONIDAE Ainscough, 1979** ..... **Recent**

no fossil record

**POLYASPIDIDAE Berlese, 1913** ..... **Recent**

no fossil record

**TRACHYTIDAE Trägårdh, 1938** ..... **Recent**

no fossil record

**UROPODOIDEA Kramer, 1881** ..... **Palaeogene – Recent**

**BALOGHJKASZABIIDAE Hirschmann, 1979** ..... **Recent**

no fossil record

**BRASILUROPODIDAE Hirschmann, 1979** ..... **Recent**

no fossil record

**CILLIBIDAE Trägårdh, 1944**..... **Recent**

no fossil record

**CLAUSIADINYCHIDAE Hirschmann, 1979**..... **Recent**

no fossil record

**CIRCOCYLLIBAMIDAE Sellnick, 1926** ..... **Recent**

no fossil record

**CYLLIBULIDAE Hirschmann, 1979** ..... **Recent**

no fossil record

**DERAIOPHORIDAE Trägårdh, 1952** ..... **Recent**

no fossil record

**DINYCHIDAE Berlese, 1916** ..... **Recent**

no fossil record

**DISCOURELLIDAE Baker & Wharton, 1952** ..... **Recent**

no fossil record

**EUTRACHYTIDAE Trägårdh, 1944**..... **Recent**

no fossil record

**HUTUFEIDERIIDAE Hirschmann, 1979**..... **Recent**

no fossil record

**KASZABJBALOGHIIDAE Hirschmann, 1979**..... **Recent**

no fossil record

**MACRODINYCHIDAE Hirschmann, 1979** …… **Recent**

no fossil record

**METAGYNURIDAE Balogh, 1943** …… **Recent**

no fossil record

**NENTERIIDAE Hirschmann, 1979** …… **Recent**

no fossil record

**OPLITIDAE Johnston, 1968** …… **Recent**

no fossil record

**PHYMATODISCIDAE Hirschmann, 1979**…… **Recent**

no fossil record

**PRODINYCHIDAE Berlese, 1917**…… **Recent**

no fossil record

**ROTUNDABALOGHIIDAE Hirschmann, 1979**…… **Recent**

no fossil record

**TERASEJASPIDAE Hirschmann, 1979** …… **Recent**

no fossil record

**TREMATURIDAE Berlese, 1917** …… **?Palaeogene – Recent**

= TREMATURELLIDAE Trägårdh, 1944

?Trematuridae *in* Lyubarsky & Perkovsky (2012) …… Pa Rovno amber

***Trichouropoda* Berlese, 1916** …… **?Palaeogene – Recent**

?*Trichouropoda* sp. [as *Oodinychus* sp.] *in* Ramsay (1960) …… Qt New Zealand

**TRICHOCYLLIBIDAE Hirschmann, 1979** …… **Recent**

no fossil record

**TRICHOUROPODELLIDAE Hirschmann, 1979** …… **Recent**

no fossil record

**TRIGONUROPODIDAE Hirschmann *in* Wisniewski, 1979** …… **Recent**

no fossil record

**UROACTINIIDAE Hirschmann & Zirngiebl-Nicol, 1964** …… **Recent**

no fossil record

**URODIASPIDIDAE Trägårdh, 1944** ..... **Recent**

no fossil record

**URODINYCHIDAE Berlese, 1917** ..... **Palaeogene – Recent**

***Uroobovella* Berlese, 1903** ..... **?Palaeogene – Recent**

?*Uroobovella* sp. *in* Dunlop *et al*. (2013) ..... Pa Baltic amber

**UROPODIDAE Kramer, 1881** ..... **Recent**

no fossil record

**TRACHYUROPODOIDEA Berlese, 1917** ..... **Recent**

**TRACHYUROPODIDAE Berlese, 1917** ..... **Recent**

no fossil record

**DIARTHROPHALLIAE Trägårdh, 1946 (subcohort)** ..... **Recent**

**DIARTHROPHALLOIDEA Trägårdh, 1946** ..... **Recent**

**DIARTHROPHALLIDAE Trägårdh, 1946** ..... **Recent**

no fossil record

**HETEROZERCONINA author, date? (cohort)** ..... **Recent**

**HETEROZERCONOIDEA Berlese, 1892** ..... **Recent**

**DISCOZERCONIDAE Berlese, 1910** ..... **Recent**

no fossil record

**HETEROZERCONIDAE Berlese, 1892** ..... **Recent**

no fossil record

**GAMASINA Kramer, 1881 (cohort)** ..... **Palaeogene – Recent**

Gamasina indet *in* Perkovsky *et al*. (2007) ..... Pa Rovno amber

**EPICRIIAE Vitzthum, 1938 (subcohort)** ..... **Neogene – Recent**

**EPICRIOIDEA Berlese, 1885** ..... **Recent**

**EPICRIIDAE Berlese, 1885** ..... **Recent**

no fossil record

**ZERCONOIDEA Berlese, 1892** ..... **Neogene – Recent**

**COPROZERCONIDAE Moraza & Lindquist, 1999** ..... **Recent**

no fossil record

**ZERCONIDAE Berlese, 1892** ..... **Neogene – Recent**

† ***Paleozercon* Błaszak, Cokendolpher & Polyak, 1995** ..... **Neogene**

15. *Paleozercon cavernicolus* Błaszak, Cokendolpher & Polyak, 1995 ..... Ne New Mexico

**ARCTACARIAE Johnston, 1982 (subcohort)** ..... **Recent**

**ARCTACAROIDEA Evans, 1955** ..... **Recent**

**ARCTACARIDAE Evans, 1955** ..... **Recent**

no fossil record

**PARASITIAE Reuter, 1909 (subcohort)** ..... **Palaeogene – Recent**

**PARASITOIDEA Oudemans, 1901** ..... **Palaeogene – Recent**

**PARASITIDAE Oudemans, 1901** ..... **Palaeogene – Recent**

?Parasitidae indet. *in* Dunlop & Falkenhagen (2014) ..... Qt Germany

***Aclerogamasus* Athias, 1971** ..... **Palaeogene – Recent**

16. *Aclerogamasus stenocornis* Witaliński, 2000 ..... Pa Baltic amber

**DERMANYSSIAE Evans & Till, 1997 (subcohort)** ..... **Palaeogene – Recent**

**VEIGAIOIDEA Oudemans, 1939** ..... **Recent**

**VEIGAIIDAE Oudemans, 1939** ..... **Recent**

= GAMASOLAELAPTIDAE Oudemans, 1939

no fossil record

**RHODACAROIDEA Oudemans, 1902** ..... **Palaeogene – Recent**

**DIGAMASELLIDAE Evans, 1954** ...[or 57?]..... **Palaeogene – Recent**

Digamasellidae sp. *in* Perkovsky *et al*. (2007)..... Pa Rovno amber

***Dendrolaelaps* Halbert, 1915** ..... **Neogene – Recent**

17. *Dendrolaelaps fossilis* Hirschman, 1971 ..... Ne Chiapas amber

**EURYPARASITIDAE d'Antony, 1987** ..... **Recent**

no fossil record

**GAMASIPHIDAE** author, date? ..... **Recent**

no fossil record

**LAELAPTONYSSIDAE Womersley, 1956** ..... **Recent**

no fossil record

**OLOGAMASIDAE Ryke, 1962** ..... **Recent**

no fossil record

**PANTENIPHIDIDAE d'Antony, 1987** ..... **Recent**

no fossil record

**RHODACARIDAE Oudemans, 1902** ..... **Recent**

no fossil record

**TERANYSSIDAE Halliday, 2006** ..... **Recent**

no fossil record

**EVIPHIDOIDEA Berlese, 1913** ..... **Quaternary–Recent**

**EVIPHIDIDAE Berlese, 1913** ..... **Recent**

no fossil record

**MACROCHELIDAE Vitzthum, 1930** ..... **Quaternary–Recent**

***Macrocheles* Latreille, 1829** ..... **Quaternary–Recent**

*Macrocheles* sp. *in* Ramsay (1960) ..... Qt New Zealand

**MEGALOLAELAPIDAE author, date?** ..... **Recent**

no fossil record

**PACHYLAELAPIDAE Berlese, 1913** ..... **Recent**

= NEOPARASITIDAE Oudemans, 1939

= BULBOGAMASIDAE Gu, Wang & Duan, 1991

no fossil record

**PARHOLASPIDIDAE Evans, 1956** ..... **Recent**

no fossil record

**ASCOIDEA Oudemans, 1905** ..... **Palaeogene – Recent**

**AMEROSEIIDAE Evans *in* Hughs, 1961** ..... **Recent**

no fossil record

**ASCIDAE Voigts & Oudemans, 1905** ..... **?Palaeogene – Recent**

?Ascidae sp. *in* Dunlop *et al*. (2013) ..... Pa Baltic amber

**HALOLAELAPIDAE Karg, 1965** ..... **Recent**

no fossil record

**MELICHARIDAE Hirschmann, 1962** ..... **Recent**

no fossil record

**PODOCINIDAE Berlese, 1913** ..... **Quarternary – Recent**

Podocinidae sp. *in* Aoki (1974) ..... Qt Mizunami copal

**PHYTOSEIOIDEA Berlese, 1916** ..... **Recent**

**BLATTISCOIIDAE Garman, 1948** ..... **Recent**

no fossil record

**OTOPHEIDOMENIDAE Treat, 1955** ..... **Recent**

no fossil record

**PHYTOSEIIDAE Berlese, 1916** ..... **Recent**

no fossil record

**DERMANYSSOIDEA Kolenati, 1859** ..... **Palaeogene – Recent**

**DASYPONYSSIDAE Fonseca, 1940** ..... **Recent**

no fossil record

**DERMANYSSIDAE Kolenati, 1859** ..... **Recent**

no fossil record

**ENTONYSSIDAE Ewing, 1922** ..... **Recent**

no fossil record

**HAEMOGAMASIDAE Oudemans, 1939** ..... **Recent**

no fossil record

**HALARACHNIDAE Oudemans, 1906** ..... **Recent**

no fossil record

**HIRSTIONYSSIDAE Evans & Till, 1966** ..... **Recent**

no fossil record

**HYSTRICHONYSSIDAE Keegan, Yunker & Baker, 1960** ..... **Recent**

no fossil record

**IPHIOPSIDIDAE Kramer, 1886** ..... **Recent**

no fossil record

**IXODORHYNCHIDAE Ewing, 1923** ..... **Recent**

no fossil record

**LAELAPIDAE Berlese, 1892** ..... **Palaeogene – Recent**

***Myrmozercon* Berlese, 1902** ..... **Palaeogene – Recent**

*Myrmozercon* sp. *in* Dunlop *et al*. (2014) ..... Pa Baltic amber

**LARVAMIMIDAE Elzinga, 1993** ..... **Recent**

no fossil record

**LEPTOLAELAPIDAE Karg, 1978** ..... **Recent**

no fossil record

**MACRONYSSIDAE Oudemans , 1936** ..... **Recent**

no fossil record

**MANITHERIONYSSIDAE Radovsky & Yunker, 1971** ..... **Recent**

no fossil record

**OMENTOLAELAPTIDAE Fain, 1961** ..... **Recent**

no fossil record

**PNEUMOPHIONYSSIDAE Fonseca, 1940** ..... **Recent**

no fossil record

**RAILLIETIIDAE Vitzthum, 1942** ..... **Recent**

no fossil record

**RHINONYSSIDAE Trouessart, 1895** ..... **Recent**

no fossil record

**SPELAEORHYNCHIDAE Oudemans, 1902** ..... **Recent**

no fossil record

**SPINTURNICIDAE Oudemans, 1902** ..... **Recent**

no fossil record

**TRICHOASPIDIDAE Gu, Wang & Li, 1991** ..... **Recent**

no fossil record

**VARROIDAE Delfinado & Baker, 1974** ..... **Recent**

no fossil record

***nomum dubium***

1. *Ixodes tertiarius* Scudder, 1885 ..... Pa Wyoming

*c*. 12,500 Recent species

# ACARIFORMES

315 currently valid species of fossil acariform mite

- higher systematics and sequence of taxa follows the third edition of *A Manual of Acarology* (Krantz & Walter, eds, 2009), except that their orders are listed here as suborders, and suborders as infraorders to achieve some degree of consistency with other arachnid higher taxa throughout this list
- a putative Ordovician mite assigned to the derived Brachypylina group of the oribatids remains controversial and is not formally listed below

**ACARIFORMES Zachvatkin, 1952** ..... **Devonian – Recent**

= ACTINOTRICHIDA author, date?

**TROMBIDIFORMES Reuter, 1909 (suborder)** ..... **Devonian – Recent**

**SPHAEROLICHIDA OConnor, 1984 (infraorder)** ..... **Recent**

**LORDALYCOIDEA Grandjean, 1939** ..... **Recent**

**LORDALYCHIDAE Grandjean, 1939** ..... **Recent**

**=** HYBALICIDAE Theron, 1974

no fossil record

**SPHAEROLICHOIDEA Berlese, 1913** ..... **Recent**

**SPHAEROLICHIDAE Berlese, 1913** ..... **Recent**

no fossil record

**PROSTIGMATA Kramer, 1877 (infraorder)** ..... **Devonian – Recent**

**LABIDOSTOMMATIDES Lindquist, Krantz & Walter, 2009 (s.cohort)** ..... **Palaeogene – Recent**

**LABIDOSTOMMATOIDEA Oudemans, 1906** ..... **Palaeogene – Recent**

**LABIDOSTOMMATIDAE Oudemans, 1906** ..... **Palaeogene – Recent**

= NICOLETIELLIDAE Canestrini, 1891

Labidostomatidae sp. *in* Sidorchuk & Bertrand (2013) ..... Pa Rovno amber

Labidostomatidae sp. *in* Sidorchuk & Bertrand (2013) ..... Pa Bitterfeld amber

***Labidostomma* Kramer, 1879** ..... **Palaeogene – Recent**

1. *Labidostomma* (*Nicoletiella*) *paleoluteum* Dunlop & Bertrand, 2011 ..... Pa Baltic amber
2. *Labidostomma* (*Pseudocornutella*) *electri* Sidorchuk & Bertrand, 2013 ..... Pa Baltic amber

***Sellnickiella* Feider & Vasiliu, 1969** ..... **Palaeogene – Recent**

3. *Sellnickiella balticae* Sidorchuk & Bertrand, 2013 ..... Pa Baltic amber

**EUPODIDES Krantz, 1978 (supercohort)** ..... **Devonian – Recent**

**BDELLOIDEA Dugès, 1834** ..... **Cretaceous – Recent**

**BDELLIDAE Dugès, 1834** ..... **Cretaceous – Recent**

Bdellidae sp. *in* Aoki (1974) ..... Qt Mizunami copal

***Bdella*** **Latreille, 1795** ..... **Cretaceous – Recent**

4. *Bdella bicincta* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber
5. *Bdella bombycina* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber
6. *Bdella obconica* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber
7. *Bdella vetusta* Ewing, 1937 ..... K Canadian amber

***Bdellodes*** **Oudemans, 1937** ..... **Palaeogene – Recent**

8. *Bdellodes lata* (C. L. Koch & Berendt, 1854) ..... Pa Baltic amber

**CUNAXIDAE Thor, 1902** ..... **Recent**

no fossil record

**HALACAROIDEA Murray, 1877** ..... **Recent**

**HALACARIDAE Murray, 1877** ..... **Recent**

no fossil record

**PEZIDAE Harvey, 1990** ..... **Recent**

no fossil record

**EUPODOIDEA C. L. Koch, 1842** ..... **Palaeogene – Recent**

**COCCEUPODIDAE Jesionowska, 2010** ..... **Recent**

no fossil record

**DENDOCHAETIDAE Oliver, 2008** ..... **Recent**

no fossil record

**EUPODIDAE C. L. Koch, 1842** ..... **Recent**

no fossil record

**ERIORHYNCHIDAE Qin & Halliday, 1997** ..... **Recent**

no fossil record

**PENTAPALPIDAE Oliver & Theron, 2000** ..... **Recent**

no fossil record

**PENTHALEIDAE Oudemans, 1931** ..... **Recent**

no fossil record

**PENTHALODIDAE Thor, 1933** ..... **Palaogene – Recent**

***Penthalodes*** **Murray, 1877** ..... **Palaeogene – Recent**

9. *Penthalodes tristiculus* (C. L. Koch & Berendt, 1854) ..... Pa Baltic amber

**PROTERORHAGIIDAE Lindquist & Palacios-Vargas, 1991** ..... **Recent**

no fossil record

**RHAGIDIIDAE Oudemans, 1922** ..... **Paleogene – Recent**

Rhagidiidae indet. *in* Judson & Wunderlich (2003) ..... Pa Baltic amber

***Poecilophysis* O. P.-Cambridge, 1876** ..... **Paleogene – Recent**

?*Poecilophysis* sp. *in* Judson & Wunderlich (2003) ..... Pa Baltic amber

† ***Zachardia* Judson & Wunderlich, 2003** ..... **Paleogene**

10. *Zachardia flexipes* Judson & Wunderlich, 2003 ..... Pa Baltic amber

**STRANDTMANNIIDAE Zacharda, 1979** ..... **Recent**

no fossil record

**TYDEOIDEA Kramer, 1877** ..... **Devonian – Recent**

**EREYNETIDAE Oudemans, 1931** ..... **Recent**

= MICROEREUNETIDAE Bottazzi, 1950

no fossil record

**IOLINIDAE Pritchard, 1956** ..... **Recent**

no fossil record

**TRIOPHTYDEIDAE Andrè, 1980** ..... **Recent**

= MEYERELLIDAE André, 1979

no fossil record

**TYDEIDAE Kramer, 1877** ..... **Devonian – Recent**

† ***Palaeotydeus* Dubinin, 1962** ..... **Devonian – Recent**

11. *Palaeotydeus devonicus* Dubinin, 1962 ..... D Rhynie chert

† ***Parapotacarus* Dubinin, 1962** ..... **Devonian – Recent**

12. *Paraprotacarus hirsti* Dubinin, 1962 ..... D Rhynie chert

**TETRAPODILI *sensu* Oudemans, 1923** ..... **Triassic – Recent**

**TRIASACAROIDEA Lindquist & Sidorchuk *in* Sidorchuk *et al*., 2014** ..... **Triassic**

**TRIASACARIDAE Lindquist & Sidorchuk *in* Sidorchuk *et al*., 2014** ..... **Triassic**

† ***Ampezzoa* Linquist & Grimaldi *in* Schmidt *et al*., 2012,** ..... **Triassic**

13. *Ampezzoa triassica* Lindquist & Grimaldi *in* Schmidt *et al*., 2012* ..... Tr Italian amber

† ***Cheirolepidoptus* Sidorchuk & Lindquist *in* Sidorchuk *et al*. 2014** ..... **Triassic**

14. *Cheirolepidoptus dolomiticus* Sidorchuk & Lindquist *in* Sidorchuk *et al*., 2014* ..... Tr Italian amber

† ***Minyacarus* Sidorchuk & Lindquist *in* Sidorchuk *et al*., 2014** ..... **Triassic**

15. *Minyacarus aderces* Sidorchuk & Lindquist *in* Sidorchuk *et al*., 2014* ... Tr Italian amber

† ***Triasacarus* Linquist & Grimaldi *in* Schmidt *et al*., 2012,** ..... **Triassic – Recent**

16. *Triasacarus fedelei* Lindquist & Grimaldi *in* Schmidt *et al*., 2012*.....Tr Italian amber

**ERIOPHYOIDEA Nalepa, 1898** ..... **?Palaeogene – Recent**

**DIPTILOMIOPIDAE Keifer, 1944** ..... **Recent**

no fossil record

**ERIOPHYIDAE Nalepa, 1898** ..... **?Palaeogene – Recent**

***Aculops* Keifer, 1966** ..... **? Palaeogene – Recent**

17. *Aculops keiferi* Southcott & Lange, 1971 .....?Pa Australia

**PHYTOPTIDAE Murray, 1877**..... **Neogene – Recent**

= NALEPELLIDAE Roivainen, 1953

no fossil record

**ANYSTIDES van der Hammen, 1972 (supercohort)** ..... **Cretaceous – Recent**

**ANYSTINA van der Hammen, 1972 (cohort)** ..... **Cretaceous – Recent**

**CAECULOIDEA Berlese, 1883** ..... **Paleogene – Recent**

**CAECULIDAE Berlese, 1883** ..... **Paleogene – Recent**

***Procaeculus* Jacot, 1936** ..... **Paleogene – Recent**

18. *Procaeculus dominicensis* Coineau & Poinar, 2001 ..... Ne Dominican amber

19. *Procaeculus eridanosae* Coineau & Magowski, 1994 ..... Pa Baltic amber

**ADAMYSTOIDEA Cunliffe, 1957** ..... **Recent**

**ADAMYSTIDAE Cunliffe, 1957** ..... **Recent**

**=** SAXIDROMIDAE Coineau, 1974

no fossil record

**ANYSTOIDEA Oudemans, 1902**..... **Cretaceous – Recent**

**ANYSTIDAE Oudemans, 1902** ..... **Cretaceous – Recent**

Anystidae sp. *in* Aoki (1974) ..... Qt Mizunami copal

***Anystis* von Heyden, 1826** ..... **Cretaceous – Recent**

20. *Anystis malleator* (Menge *in* C. L. Koch & Berendt, 1854) ..... Pa Baltic amber

21. *Anystis subnuda* (Menge *in* C. L. Koch & Berendt, 1854) ..... Pa Baltic amber

22. *Anystis venustula* (C. L. Koch & Berendt, 1854) ..... Pa Baltic amber

† ***Mesoanystis* Zacharda *in* Zacharda & Krivoluckij, 1985**..... **Cretaceous**

23. *Mesoanystis taymirensis* Zacharda *in* Zacharda & Krivoluckij, 1985*..... K Siberian amber

† ***Palaeoerythracarus* Zacharda *in* Zacharda & Krivoluckij, 1985**..... **Palaeogene**

24. *Palaeoerythracarus sachalinensis* Zacharda *in* Zacharda & Krivoluckij, 1985*..... Pa Sachalin amber

**PSEUDOCHEYLIDAE Oudemans, 1909**..... **Recent**

= STIGMOCHEYLIDAE Kethley, 1990

no fossil record

**TENERIFFIIDAE Thor, 1911*b*** ..... **Paleogene – Recent**

Teneriffiidae sp. indet *in* Sayre *et al*. (1992) ..... Pa Baltic amber

**PARATYDEOIDEA Baker, 1949** ..... **Recent**

**PARATYDEIDAE Baker, 1949** ..... **Recent**

no fossil record

**STIGMOCHEYLIDAE Kethley, 1990** ..... **Recent**

no fossil record

**POMERANTZIOIDEA Baker, 1949** ..... **Recent**

**POMERANTZIIDAE Baker, 1949** ..... **Recent**

no fossil record

**PARASITENGONA Oudemans, 1909 (cohort)** ..... **Cretaceous – Recent**

**ERYTHRAIAE author, date? (subcohort)** ..... **Cretaceous – Recent**

**CALYPTOSTOMATOIDEA Oudemans, 1923** ..... **Recent**

**CALYPTOSTOMATIDAE Oudemans, 1923** ..... **Recent**

no fossil record

**ERYTHRAEOIDEA Grandjean, 1947*a*** ..... **Cretaceous – Recent**

larval Erythraeoidea *in* Zacharda & Krivoluckij (1985) ..... K Siberian amber

**ERYTHRAEIDAE Robineau-Desvoidy, 1828** ..... **Cretaceous – Recent**

= LEPTIDAE Billberg, 1820

= BALUSTIIDAE Grandjean, 1947

= † PROTERYTHRAEIDAE Vercammen-Grandjean, 1973

Erythraeidae sp. *in* Aoki (1974) ..... Qt Mizunami copal

Erythraeidae indet *in* Poinar *et al*. (2010) ..... K Canadian amber

† ***Arytaena*** **Menge, 1854 *in* C. L. Koch & Berendt, 1854** ..... **Paleogene**

25. *Arytaena troguloides* Menge *in* C. L. Koch & Berendt, 1854* ..... Pa Baltic amber

***Balaustium*** **von Heyden, 1826** ..... **Paleogene – Recent**

26. *Balaustium illustris* (C. L. Koch & Berendt, 1854) ..... Pa Baltic amber

***Erythraeus*** **Latrielle, 1806** ..... **Paleogene – Recent**

27. *Erythraeus bifrons* (Menge *in* C. L. Koch & Berendt, 1854) ..... Pa Baltic amber
28. *Erythraeus foveolatus* (C. L. Koch & Berendt, 1854) ..... Pa Baltic amber
29. *Erythraeus hirsutus* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber
30. *Erythraeus lagopus* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber
31. *Erythraeus longipes* (C. L. Koch & Berendt, 1854) ..... Pa Baltic amber
32. *Erythraeus proavus* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber
33. *Erythraeus procerus* (Menge *in* C. L. Koch & Berendt, 1854) ..... Pa Baltic amber

34. *Erythraeus raripilus* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber
35. *Erythraeus rostratus* (Menge *in* C. L. Koch & Berendt, 1854) ..... Pa Baltic amber
36. *Erythraeus saccatus* (C. L. Koch & Berendt, 1854) ..... Pa Baltic amber

***Leptus* Latrielle, 1796** ..... **Paleogene – Recent**

37. *Leptus incertus* (C. L. Koch & Berendt, 1854) ..... Pa Baltic amber

† ***Pararainbowia* Dunlop, 2007** ..... **Cretaceous**

38. *Pararainbowia martilli* Dunlop, 2007* ..... K Crato Formation

† ***Proterythraeus* Vercammen-Grandjean, 1973** ..... **Cretaceous**

39. *Proterythraeus southcotti* Vercammen-Grandjean, 1973* ..... K Manitoba amber

**SMARIDIDAE Vitzthum, 1929** ..... **Paleogene – Recent**

Smarididae indet *in* Penney (2010) ..... Ne Dominican amber
Smarididae indet *in* Perkovsky *et al*. (2010) ..... Pa Dominican amber

***Fessonia* von Heyden, 1826** ..... **Paleogene – Recent**

40. *Fessonia grabenhorsti* Bartel, Konikiewicz, Mąkol, Wohltmann & Dunlop, 2015 ..... Pa Baltic amber
41. *Fessonia groehni* Bartel, Konikiewicz, Mąkol, Wohltmann & Dunlop, 2015 ..... Pa Baltic amber
42. *Fessonia wunderlichi* Bartel, Konikiewicz, Mąkol, Wohltmann & Dunlop, 2015 ..... Pa Baltic amber

**TROMBIDIAE author, date? (subcohort)** ..... **Creteaceous – Recent**

**trombidiid mites?**

43. *Megameropsis aquensis* Gourret, 1887 ..... Pa Aix-en-Provence
44. *Pseudopachygnathus maculatus* Gourret, 1887 ..... Pa Aix-en-Provence

**AMPHOTROMBIOIDEA Zhang, 1998** ..... **Recent**

**AMPHOTROMBIIDAE, Zhang, 1998** ..... **Recent**

no fossil record

**ALLOTANAUPODOIDAE Zhang & Fan, 2007** ..... **Recent**

**ALLOTANAUPODIDAE Zhang & Fan, 2007** ..... **Recent**

no fossil record

**TANAUPODOIDEA Thor, 1935** ..... **Creteaceous – Recent**

**TANAUPODIDAE Thor, 1935** ..... **Creteaceous – Recent**

= ?AMPHOTROMBIIDAE Zhang, 1998
= TANAUPODASTRIDAE Feider, 1959

† ***Atanaupodus* Judson & Mąkol, 2009** ..... **Cretaceous**

45. *Atanaupodus bakeri* Judson & Mąkol, 2009 ..... K Archingeay amber

**CHYZERIOIDEA Womersley, 1954** ..... **Recent**

**CHYZERIIDAE Womersley, 1954** ..... **Recent**

no fossil record

**TROMBIDIOIDEA Leach, 1815** ..... **Paleogene – Recent**

**ACHAEMENOTHROMBIIDAE Saboori, Wohltmann & Hakimitabar, 2010** ..... **Recent**

no fossil record

**EUTROMBIDIIDAE Thor, 1935** ..... **Recent**

no fossil record

**MICROTROMBIDIIDAE Thor, 1935** ..... **Recent**

no fossil record

**NEOTHROMBIIDAE Feider, 1955** ..... **Recent**

no fossil record

**TROMBIDIIDAE Leach, 1815** ..... **Paleogene – Recent**

= PARATHROMBIIDAE Feider, 1959

***Allothrombium* Berlese, 1903** ..... **Paleogene – Recent**

46. *Allothrombium clavipes* (C. L. Koch & Berendt, 1854) ..... Pa Baltic amber

***Paratrombium* Bruyant, 1910** ..... **Paleogene – Recent**

47. *Paratrombium rovniense* Konikiewicz & Mąkol, 2014 ..... Pa Rovno amber

***Trombidium* Fabricius, 1775** ..... **Paleogene – Recent**

48. *Trombidium crassipes* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

49. *Trombidium granulatum* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

50. *Trombidium heterotrichum* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

51. *Trombidium scrobiculatum* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

NB: the next two families may be synonyms

**WALCHIIDAE Ewing, 1946** ..... **Recent**

no fossil record

**TROMBICULOIDEA Ewing, 1929** ..... **Recent**

**AUDYANIDAE Southcott, 1987** ..... **Recent**

no fossil record

**JOHNSTONIANIDAE Thor, 1935** ..... **Recent**

= NOTOTHROMBIIDAE Feider, 1959

no fossil record

**NEOTROMBIDIIDAE Feider, 1959** ..... **Recent**

no fossil record

**LEEUWENHOEKIIDAE Womersley, 1944** …… **Recent**

no fossil record

**TROMBELLIDAE Leach, 1815** …… **Recent**

no fossil record

**TROMBICULIDAE Ewing, 1929** …… **Recent**

= VATACARIDAE Southcott, 1957

no fossil record

**YUREBILLOIDEA Southcott, 1966** …… **Recent**

**YUREBILLIDAE Southcott, 1996** …… **Recent**

no fossil record

**HYDRACARNIDIAE van der Hoeven, 1849 (subcohort)** …… **Neogene – Recent**

= HYDRACHNIDIA author, date?

= HYDRACHNELLAE author, date?

**Undetermined water mites**

Hygrobatoidea, Arrenuroidea or Lebertiodea *in* Poinar (1985) ……Ne Dominican amber

**HYDRYPHANTOIDEA Piersig, 1896** …… **Recent**

**CTENOTHYADIDAE Lundblad, 1936** …… **Recent**

no fossil record

**EUPATRELLIDAE Viets, 1935** …… **Recent**

no fossil record

**HYDRODROMIDAE Viets, 1936** …… **Recent**

**=** DIPLODONTIDAE Lundblad, 1927

no fossil record

**HYDRYPHANTIDAE Piersig, 1896** …… **Recent**

**=** PROTZIIDAE Viets, 1926

no fossil record

**MALGASACARIDAE Tuzovskij, Gerecke & Goldschmidt, 2007** …… **Recent**

no fossil record

**RHYNCHOHYDRACARIDAE Lundblad, 1936** …… **Recent**

**=** CHATHROSPERCHONIDAE Lundblad, 1936

no fossil record

**TERATOTHYADIDAE Viets, 1929** ..... **Recent**

no fossil record

**THERMACARIDAE Sokolow, 1927** ..... **Recent**

no fossil record

**ZELANDOTHYADIDAE Cook, 1983** ..... **Recent**

no fossil record

**EYLAOIDEA Leach, 1815** ..... **Recent**

**APHEVIDERULICIDAE Gerecke, Smith & Cook, 1999**..... **Recent**

no fossil record

**EYLAIDAE Leach, 1815** ..... **Recent**

no fossil record

**LIMNOCHARIDAE Grube, 1859** ..... **Recent**

no fossil record

**PIERSIGIIDAE Oudemans, 1902** ..... **Recent**

no fossil record

**HYDROVOLZIOIDEA Thor, 1905** ..... **Recent**

**ACHERONTACARIDAE Cook, 1967** ..... **Recent**

no fossil record

**HYDROVOLZIIDAE Thor, 1905** ..... **Recent**

= POLYXOHALACARIDAE Motas, 1972

no fossil record

**HYDRACHNOIDEA Leach, 1815** ..... **Recent**

**HYDRACHNIDAE Leach, 1815** ..... **Recent**

no fossil record

**LEBERTOIDEA Thor, 1900** ..... **Recent**

**ACUCAPITIDAE Wiles, 1996** ..... **Recent**

no fossil record

**ANISITSIELLIDAE Koenicke, 1910** ..... **Recent**

= MAMERSOPSIDAE Viets, 1914

no fossil record

**BANDAKIOPSIDAE Panesar, 2004** ..... **Recent**

no fossil record

**LEBERTIIDAE Thor, 1900** ..... **Recent**

no fossil record

**NILOTONIIDAE Viets, 1929** ..... **Recent**

no fossil record

**OXIDAE Viets, 1926** ..... **Recent**

no fossil record

**RUTRIPALPIDAE Solokow, 1834** ..... **Recent**

no fossil record

**SPERCHONTIDAE Thor, 1900** ..... **Recent**

no fossil record

**STYGOTONIIDAE Cook, 1992** ..... **Recent**

no fossil record

**TEUTONIDAE Koenike, 1910** ..... **Recent**

no fossil record

**TORRENTICOLIDAE Piersig, 1902** ..... **Recent**

= ATRACTIDEIDAE Thor, 1902

no fossil record

**HYGROBATOIDEA C. L. Koch, 1842** ..... **Recent**

**ASTACOCROTONIDAE Thor, 1927** ..... **Recent**

no fossil record

**ATURIDAE Thor, 1900** ..... **Recent**

**=** BRADYPODIDAE Thor, 1900 [preoccupied]

= AXONOPSIDAE Viets, 1929

**=** LJANIIDAE Thor, 1929

no fossil record

**FELTRIIDAE Viets, 1926** ..... **Recent**

no fossil record

**FERRADASIIDAE Cook, 1980** ..... **Recent**

no fossil record

**FRONTIPODOPSIDAE Viets, 1931** ..... **Recent**

no fossil record

**HYGROBATIDAE C. L. Koch, 1842*b*** ..... **Recent**

no fossil record

**LETHAXONIDAE Cook, Smith & Harvey, 2000** ..... **Recent**

no fossil record

**LIMNESIIDAE Thor, 1900** ..... **Recent**

**=** NEOTORRENTICOLIDAE Lundblad, 1936

**=** EPALLAGOPODIDAE Viets, 1953

no fossil record

**OMARTACARIDAE Cook, 1963** ..... **Recent**

no fossil record

**PIONIDAE Thor, 1900** ..... **Recent**

= CURVIPEDIDAE Thor, 1900

= ACERCIDAE Thor, 1909

= FORELIIDAE Thor, 1923

= NAUTARACHNIDAE Walter, 1925

= HYDROCHOREUTIDAE Viets, 1942

no fossil record

**PONTARACHNIDAE Koenicke, 1910** ..... **Recent**

no fossil record

**UNIONICOLIDAE Oudemans, 1909** ..... **Recent**

**=** ATRACIDAE Thor, 1900

= NEUMANIIDAE Thor, 1923

no fossil record

**WETTINIDAE Cook, 1956** ..... **Recent**

no fossil record

**ARRENUROIDEA Thor, 1900** ..... **Neogene – Recent**

**Family uncertain**

† ***Protoarrenurus* Cook *in* Palmer, 1957** ..... **Neogene – Recent**

52. *Protoarrenurus convergens* Cook *in* Palmer, 1957* ..... Ne Mojave Desert

**ACALYPTONOTIDAE Walter, 1911** ..... **Recent**

no fossil record

**AMOENACARIDAE Smith & Cook, 1997** ..... **Recent**

no fossil record

**ARENOHYDRACARIDAE Cook, 1974** ..... **Recent**

no fossil record

**ARRENURIDAE Thor, 1900** ..... **Recent**

no fossil record

**ATHIENEMANNIIDAE Viets, 1922** ..... **Recent**

= CHELOMIDEOPSIDAE Lundblad, 1962

no fossil record

**BOGATIIDAE Motas & Tanasachi, 1938** ..... **Recent**

no fossil record

**CHAPPUISIDIDAE Motas & Tanasachi, 1946** ..... **Recent**

no fossil record

**GRETACARIDAE Viets, 1978** ..... **Recent**

no fossil record

**HARPAGOPALPIDAE Viets, 1924** ..... **Recent**

no fossil record

**HUNGAROHYDRACACARIDAE Motas & Tanasachi, 1959** ..... **Recent**

no fossil record

**KANTACARIDAE Imamura, 1959** ..... **Recent**

no fossil record

**KRENDOWSKIIDAE Viets, 1926** ..... **Recent**

no fossil record

**LAVERSIIDAE Cook, 1955** ..... **Recent**

no fossil record

**MIDEIDAE Thor, 1911a** ..... **Recent**

no fossil record

**MIDEOPSIDAE Koenicke, 1910** ..... **Recent**

no fossil record

**MOMONIIDAE Viets, 1926** ..... **Recent**

= STYGOMOMONIDAE Szalay, 1943

no fossil record

**NEOACARIDAE Motas & Tanasachi, 1947** ..... **Recent**

no fossil record

**NIPPONACARIDAE Imamura, 1959** ..... **Recent**

no fossil record

**NUDOMIDEOPSIDAE Smith, 1990** ..... **Recent**

no fossil record

**UCHIDASTYGACARIDAE Imamura, 1956** ..... **Recent**

no fossil record

**STYGOTHROMBIAE Thor, 1935 (subcohort)** ..... **Recent**

**STYGOTHROMBOIDEA Thor, 1935** ..... **Recent**

**STYGOTHROMBIIDAE Thor, 1935** ..... **Recent**

**ELEUTHERENGONIDES Oudemans, 1909 (supercohort)** ..... **Cretaceous – Recent**

**RAPHIGNATHINA Kethley, 1982 (cohort)** ..... **Cretaceous – Recent**

**MYOBIOIDEA Mégnin, 1877** ..... **Recent**

**MYOBIIDAE Mégnin, 1877** ..... **Recent**

no fossil record

**PTERYGOSOMATOIDEA Oudemans, 1910** ..... **Recent**

**PTERYGOSOMATIDAE Oudemans, 1910** ..... **Recent**

no fossil record

**RAPHIGNATHOIDEA Kramer, 1877** ..... **Paleogene – Recent**

**BARBUTIIDAE Robaux, 1975** ..... **Recent**

no fossil record

**CALIGONELLIDAE Grandjean, 1944** ..... **Recent**

no fossil record

**CAMEROBIIDAE Southcott, 1957a** ..... **Paleogene – Recent**

***Neophyllobius* Berlese, 1886** ..... **Paleogene – Recent**

53. *Neophyllobius succineus* Bolland & Magowski, 1990 ..... Pa Baltic amber

**CRYPTOGNATHIDAE Oudemans, 1902** ..... **Paleogene – Recent**

no fossil record

**DASYTHYREIDAE Walter & Gerson, 1998** ..... **Recent**

no fossil record

**EUPALOPSELLIDAE Willmann, 1952** ..... **Recent**

no fossil record

**HOMOCALIGIDAE Wood, 1969** ..... **Recent**

no fossil record

**MECOGNATHIDAE Gerson & Walter, 1998** ..... **Recent**

no fossil record

**RAPHIGNATHIDAE Kramer, 1877** ..... **Recent**

no fossil record

**STIGMAEIDAE Oudemans, 1931** ..... **Paleogene – Recent**

***Mediolata* Canestrini, 1890** ..... **Paleogene – Recent**

54. *Mediolata eocenia* Kuznetsov, Khaustov & Perkovsky, 2010 ..... Pa Rovno amber

**XENOCALIGONELLIDIDAE Gonzalez, 1978** ..... **Recent**

no fossil record

**TETRANYCHOIDEA Donnadieu, 1876** ..... **Palaeogene – Recent**

**ALLOCHAETOPHORIDAE Reck, 1959** ..... **Recent**

no fossil record

**LINOTETRANIDAE Baker & Pritchard, 1953** ..... **Recent**

no fossil record

**TENUIPALPIDAE Berlese, 1913** ..... **Recent**

no fossil record

**TETRANYCHIDAE Donnadieu, 1876** ..... **Palaeogene – Recent**

= BRYOBIIDAE Berlese, date?

***Metatetranychus* Oudemans, 1931** ..... **Palaeogene – Recent**

55. *Metatetranychus gibbus* (C. L. Koch & Berendt, 1854) ..... Pa Baltic amber

***Schizotetranychus* Trägårdh, 1915** ..... **Palaeogene – Recent**

56. *Schizotetranychus brevipes* (C. L. Koch & Berendt, 1854) ..... Pa Baltic amber

**TUCKERELLIDAE Baker & Pritchard, 1953** ..... **Recent**

no fossil record

**CHEYLETOIDEA Leach, 1815** ..... **Cretaceous – Recent**

**CHEYLETIDAE Leach, 1815** ..... **Cretaceous – Recent**

Chelytidae sp. indet *in* Bradley (1931) ..... Pa Green River

***Cheyletus* Latreille, 1796** ..... **Cretaceous – Recent**

57. *Cheyletus burmiticus* Cockerell, 1917*b* ..... K Burmese amber

58. *Cheyletus portentosus* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

**DEMODECIDAE Nicolet, 1855** ..... **Recent**

no fossil record

**HARPIRHYNCHIDAE Dubinin, 1957** ..... **Recent**

no fossil record

**OPHIOPTIDAE Southcott, 1956** ..... **Recent**

no fossil record

**PSORERGATIDAE Dubinin *in* Bregatova *et al*., 1955** ..... **Recent**

no fossil record

**SYRINGOPHILIDAE Laviopierre, 1953** ..... **Recent**

no fossil record

**HETEROSTIGMATINA Berlese, 1899 (cohort)** ..... **Cretaceous – Recent**

**TARSOCHEYLOIDEA Atyeo & Baker, 1964** ..... **Recent**

**TARSOCHEYLIDAE Atyeo & Baker, 1964** ..... **Recent**

no fossil record

**HETEROCHEYLOIDEA Trägårdh, 1950** ..... **Recent**

**HETEROCHEYLIDAE Trägårdh, 1950** ..... **Recent**

no fossil record

**DOLICHOCYBOIDEA Mahunka, 1970** ..... **Recent**

**CROTALOMORPHIDAE Lindquist & Kranz, 2002** ..... **Recent**

no fossil record

**DOLICHOCYBIDAE Mahunka, 1970** ..... **Recent**

no fossil record

**TROCHOMETRIDIOIDEA Mahunka, 1970** ..... **Recent**

**ATHYREACARIDAE Lindquist Kaliszewski & Rack, 1990** ..... **Recent**

= BEMBIDIACARIDAE Khuastov, 2000

no fossil record

**TROCHOMETRIDIIDAE Mahunka, 1970** ..... **Recent**

no fossil record

**SCUTACAROIDEA Oudemans, 1916** ..... **Recent**

**MICRODISPIDAE Cross, 1965** ..... **Recent**

no fossil record

**SCUTACARIDAE Oudemans, 1916** ..... **Recent**

no fossil record

**PYGEMEPHOROIDEA Cross, 1965** ..... **Palaeogene – Recent**

Pygmephoroidea sp. *in* Magowski (1995) ..... Pa Baltic amber

**NEOPYGMEPHORIDAE Cross, 1965** ..... **Recent**

no fossil record

**PYGMEPHORIDAE Cross, 1965** ..... **Recent**

no fossil record

**SITEROPTIDAE Mahunka, 1970** ..... **Recent**

no fossil record

**PYEMOTOIDEA Oudemans, 1937** ..... **Cretaceous – Recent**

**ACAROPHENACIDAE Cross, 1965** ..... **Cretaceous – Recent**

† ***Protophenax*** **Magowski, 1994** ..... **Cretaceous**

59. *Protophenax kotejii* Magowski, 1994* ..... K Russian amber

**CARABOACARIDAE Mahunka, 1970** ..... **Recent**

no fossil record

**PYEMOTIDAE Oudemans, 1937** ..... **Recent**

= TROCHOMETRIDAE Mahunka, 1970

***Pyemotes*** **Amerling, 1862** ..... **Palaeogene – Recent**

60. *Pyemotes primus* Khaustov & Perkovsky, 2010 ..... Pa Rovno amber

**RESINACARIDAE Mahunka, 1975** ..... **Cretaceous –Recent**

***Protoresinacarus*** **Khaustov & Poinar, 2010** ..... **Cretaceous**

61. *Protoresinacarus brevipedis* Khaustov & Poinar, 2010* ..... K Burmese amber

**TARSONEMOIDEA Canestrini & Fanzago, 1877** ..... **Quaternary – Recent**

**PODAPOLIPIDAE Ewing, 1922** ..... **Recent**

no fossil record

**TARSONEMIDAE Canestrini & Fanzango, 1877** ..... **Quaternary – Recent**

Tarsonemidae sp. *in* Aoki (1974) ..... Qt Mizunami copal

**Cohort *incertae sedis***

**CLOACAROIDEA Camin, Moss, Oliver & Singer, 1967** ..... **Recent**

**CLOACARIDAE Camin, Moss, Oliver & Singer, 1967** ..... **Recent**

no fossil record

**EPIMYODICIDAE Fain, Lukoschus & Rosmalen, 1982** ..... **Recent**

no fossil record

**SARCOPTIFORMES author, date? (suborder)** ..... **Devonian – Recent**

**ENDEOSTIGMATA author, date? (infraorder)** ..... **Devonian – Recent**

= PACHYGNATHINA author, date?

**ALYCINA author, date? (cohort)**

**ALYCOIDEA Canestrini & Fanzago, 1877** ..... **Devonian – Recent**

**ALYCIDAE Canestrini & Fanzago, 1877** ..... **Devonian – Recent**

= PACHYGNATHIDAE Kramer, 1877

= BIMICHAELIIDAE Womersley, 1944

† ***Protacarus* Hirst, 1923** ..... **Devonian**

62. *Protacarus crani* Hirst, 1923* ..... D Rhynie chert

**GRANDJEANICIDAE Kethley, 1977a** ..... **Recent**

no fossil record

**MICROPSAMMIDAE Coineau & Theorn, 1983** ..... **Recent**

no fossil record

**NANORCHESTIDAE Grandjean, 1937** ..... **Devonian – Recent**

† ***Protospeleorchestes* Dubinin, 1962** ..... **Devonian – Recent**

63. *Protospeleorchestes pseudoprotacarus* Dubinin, 1962* ..... D Rhynie chert

**NEMATALYCINA author, date? (cohort)** ..... **Recent**

**NEMATALYCOIDEA Strenke, 1954** ..... **Recent**

**NEMATALYCIDAE Strenke, 1954** ..... **Recent**

no fossil record

**PROTONEMATALYCIDAE Kethley, 1989** [superfamily correct?] ..... **Recent**

no fossil record

**TERPNACARINA author, date? (cohort)** ..... **Recent**

**OEHSERCHESTOIDEA Kethley, 1977*a*** ..... **Recent**

**OEHSERCHESTIDAE Kethley, 1977*a*** ..... **Recent**

no fossil record

**TERPNACAROIDEA Grandjean, 1939** ..... **Recent**

**TERPNACARIDAE Grandjean, 1939** ..... **Recent**

no fossil record

**ALICORHAGIINA author, date? (cohort)** ..... **Devonian – Recent**

**ALICORHAGIOIDEA Grandjean, 1939** ..... **Devonian – Recent**

**ALICORHAGIIDAE Grandjean, 1939** ..... **Devonian – Recent**

† ***Archaeacarus* Kethley & Norton *in* Kethley *et al*., 1989** ..... **Devonian**

64. *Archaeacarus dubinini* Kethley & Norton *in* Kethley *et al*., 1989* ..... D Gilboa

† ***Pseudoprotacarus* Dubinin, 1962** ..... **Devonian**

65. *Pseudoprotacarus scoticus* Dubinin, 1962* ..... D Rhynie chert

**ORIBATIDA Dugès, 1834 (infraorder)** ..... **Devonian – Recent**

= CRYPTOSTIGMATA author, date?

NB: see remarks on the Ordovician fossil above

**PALAEOSOMATA Grandjean, 1969 (supercohort)** ..... **Devonian–Recent**

family uncertain

† ***Marcvipeda* Pérez-DA, 1988** ..... **Palaeogene**

66. *Marcvipeda magallanes* Pérez-DA, 1988* [Acari *incertae sedis*?] ..... Pa Patagonia, Chile

**ACARONYCHOIDEA Grandjean, 1932** ..... **Recent**

**ACARONYCHIDAE Grandjean, 1932*b*** ..... **Recent**

no fossil record

**ARCHAEONOTHRIDAE Grandjean, 1932** ..... **Recent**

no fossil record

**CTENACAROIDEA Grandjean, 1954*c*** ..... **Devonian – Recent**

**ADELPHACARIDAE Grandjean, 1954*c*** ..... **Carbon. – Recent**

† ***Monoaphelacarus* Subías & Arillo, 2002** ..... **Carboniferous**

67. *Monoaphelacarus carboniferus* Subías & Arillo, 2002* ..... C County Antrim

**APHELACARIDAE Grandjean, 1954*c*** ..... **Recent**

no fossil record

**CTENACARIDAE Grandjean, 1954*b*** ..... **Devonian – Recent**

† ***Ctenacaronychus* Subías & Arillo, 2002** ..... **Devonian**

68. *Ctenacaronychus nortoni* Subías & Arillo, 2002* ..... D New York

† ***Palaeoctenacarus* Subías & Arillo, 2002** ..... **Carboniferous**

69. *Palaeoctenacarus simmsoi* Subías & Arillo, 2002* ..... C County Antrim

**PALAEACAROIDEA Grandjean, 1932*b*** ..... **Recent**

**PALAEACARIDAE Grandjean, 1932*b*** ..... **Recent**

no fossil record

**ENARTHRONOTA Grandjean, 1947*b* (supercohort)** ..... **Devonian – Recent**

**superfamily uncertain**

† **DEVONACARIDAE Norton *in* Norton *et al*., 1988** ..... **Devonian**

† ***Devonacarus* Norton *in* Norton *et al*., 1988** ..... **Devonian**

70. *Devonacarus sellnicki* Norton *in* Norton *et al*., 1988* ..... D Gilboa

† **PROTOCHTHONIIDAE Norton *in* Norton *et al*., 1988** ..... **Devonian**

† ***Protochthonius* Norton *in* Norton *et al*., 1988** ..... **Devonian**

71. *Protochthonius gilboa* Norton *in* Norton *et al*., 1988* ..... D Gilboa

**BRACHYCHTHONIOIDEA Thor, 1934** ..... **Paleogene – Recent**

**BRACHYCHTHONIIDAE Thor, 1934** ..... **Paleogene – Recent**

***Brachychthonius* Berlese, 1910** ..... **Paleogene – Recent**

*Brachychthonius* sp. *in* Sellnick (1931) ..... Pa Baltic amber

**ATOPOCHTHONIOIDEA Grandjean, 1948** ..... **Recent**

**ATOPOCHTHONIIDAE Grandjean, 1948** ..... **Recent**

no fossil record

**PHYLLOCHTHONIIDAE Travé, 1967** ..... **Recent**

no fossil record

**PTEROCHTHONIIDAE Grandjean, 1950** ..... **Recent**

no fossil record

**HYPOCHTHONIOIDEA Berlese, 1910** ..... **Carbon. – Recent**

**ENIOCHTHONIIDAE Grandjean, 1947*b*** ..... **Recent**

no fossil record

**HYPOCHTHONIIDAE Berlese, 1910** ..... **Carbon. – Recent**

***Hypochthonius* C. L. Koch, 1835** ..... **Quaternary – Recent**

72. *Hypochthonius rufulus* C. L. Koch, 1835 **[Recent]** ..... Qt Finland

† ***Palaeohypochthonius*** **Subías & Arillo, 2002** ..... **Carboniferous**

73. *Palaeohypochthonius jerami* Subías & Arillo, 2002* ..... C County Antrim

**LOHMANNIIDAE Berlese, 1916** ..... **Recent**

= XENOLOHMANNIDAE Balogh & Mahunka, 1969

no fossil record

**MESOPLOPHORIDAE Ewing, 1917** ..... **Recent**

= ARCHOPLOPHORIDAE Grandjean, 1965

no fossil record

**PROTOPLOPHOROIDEA Ewing, 1917** ..... **Carbon. – Recent**

**COSMOCHTHONIIDAE Grandjean, 1947*b*** ..... **Carbon. – Recent**

† ***Carbochthonius*** **Subías & Arillo, 2002** ..... **Carboniferous**

74. *Carbochthonius antrimensis* Subías & Arillo, 2002* ..... C County Antrim

**HAPLOCHTHONIIDAE van der Hammen, 1959** ..... **Recent**

no fossil record

**PEDICULOCHELIDAE Lavoipierre, 1946** ..... **Recent**

no fossil record

**PROTHOPLOPHORIDAE Ewing, 1917** ..... **Carbon. – Recent**

= APOPLOPHORIDAE Niedbała, 1984

† ***Archaeoplophora*** **Subías & Arillo, 2002** ..... **Carboniferous**

75. *Archaeoplophora bella* Subías & Arillo, 2002* ..... C County Antrim

**SPHAEROCHTHONIIDAE Grandjean, 1947*b*** ..... **Recent**

no fossil record

**HETEROCHTHONOIDEA Grandjean, 1954*b*** ..... **Recent**

**ARBORICHTHONIIDAE Balogh & Balogh, 1992** ..... **Recent**

no fossil record

**HETEROCHTHONIIDAE Grandjean, 1954*b*** ..... **Recent**

no fossil record

**TRICHTOCHTHONIIDAE Lee, 1982** ..... **Recent**

no fossil record

**PARHYPOSOMATA Grandjean, 1969 (supercohort)** ..... **Carbon. – Recent**

**PARHYPOCHTHONIOIDEA Grandjean, 1932*b*** ..... **Carbon. – Recent**

**ELLIPTOCHTHONIIDAE Norton, 1975** ..... **Recent**

no fossil record

**GEHYPOCHTHONIIDAE Strenzke, 1963** ..... **Carbon. – Recent**

† ***Gehypochthonimimus* Subías & Arillo, 2002** ..... **Carboniferous**

76. *Gehypchthonimimus hibernicus* Subías & Arillo, 2002* ..... C County Antrim

**PARHYPOCHTHONIIDAE Grandjean, 1932*b*** ..... **Recent**

no fossil record

**MIXONOMATA Grandjean, 1969 (supercohort)** ..... **Carbon. – Recent**

**SUPERFAMILY UNCERTAIN**

† **CARBOLOHMANNIIDAE Sidorchuk & Robin *in* Robin *et al.* (2016)** ..... **Carboniferous**

† ***Carbolohmannia* Sidorchuk & Robin *in* Robin *et al*. (2016)** ..... **Carboniferous**

77. *Carbolohmannia maimaiphilus* Sidorchuk & Robin *in* Robin *et al*. (2016)* C Xiaheyan, China

**NEHYPOCHTHONOIDEA Norton & Metz, 1980** ..... **Recent**

**NEHYPOCHTHONIIDAE Norton & Metz, 1980** ..... **Recent**

no fossil record

**EULOHMANNOIDEA Grandjean, 1931** ..... **Recent**

**EULOHMANNIIDAE Grandjean, 1931** ..... **Recent**

no fossil record

**PERLOHMANNIOIDEA Grandjean, 1954*b*** ..... **Recent**

**PERLOHMANNIIDAE Grandjean, 1954*b*** ..... **Recent**

no fossil record

**EPILOHMANNIOIDEA Oudemans, 1923** ..... **Recent**

**EPILOHMANNIIDAE Oudemans, 1923** ..... **Recent**

= LESSIRIIDAE Oudemans, 1916

no fossil record

**COLLOHMANNIOIDEA Grandjean, 1958*a*** ..... **Paleogene – Recent**

**COLLOHMANNIIDAE Grandjean, 1958*a*** ..... **Paleogene – Recent**

***Collohmannia* Sellnick, 1922** ..... **Paleogene – Recent**

78. *Collohmannia schusteri* Norton, 2006 ..... Pa Baltic amber

† ***Embolacarus* Sellnick, 1919** ..... **Palaeogene – Recent**

79. *Embolacarus pergratus* Sellnick, 1919* ..... Pa Baltic amber

**EUPYCTIMA Grandjean, 1967** ..... **Palaeogene – Recent**

NB: Eupyctima is listed here as a mixonomatid clade, but is not recognised in all classifications, or else is removed from this group and given equal rank

**EUPHTHIRACAROIDEA Jacot, 1930** ..... **Palaeogene – Recent**

**EUPHTHIRACARIDAE Jacot, 1930** ..... **Palaeogene – Recent**

***Microtritia* Märkel, 1964** ..... **Quaternary – Recent**

80. *Microtritia minima* (Berlese, 1904) **[Recent]** ..... Qt Germany

***Rhysotritia* Märkel & Meyer, 1959** ..... **Quaternary – Recent**

81. *Rhysotritia ardua* (C. L. Koch, 1841) **[Recent]** ..... Qt Germany

82. *Rhysotritia duplicata* (Grandjean, 1953) **[Recent]** ..... Qt Germany

**ORIBOTRITIIDAE Grandjean, 1954b** ..... **Palaeogene – Recent**

= SABAHTRITIIDAE Mahunka, 1987

Oribotritidae indet. *in* Kaulfuss *et al*. (2011) ..... Pa New Zealand amber

***Oribotritia* Jacot, 1924** ..... **Palaeogene – Recent**

83. *Oribotritia pyropus* (Sellnick, 1919) ..... Pa Baltic amber

84. *Oribotritia translucida* Sellnick, 1931 ..... Pa Baltic amber

**SYNICHOTRITIIDAE Walker, 1965** ..... **Recent**

no fossil record

**PHTHIRACAROIDEA Perty, 1841** ..... **Palaeogene – Recent**

**PHTHIRACARIDAE Perty, 1841** ..... **Palaeogene – Recent**

= STEGANACARIDAE Niedbała, 1986

***Hoplophthiacarus* Jacot, 1933** ..... **Quaternary – Recent**

85. *Hoplophthiacarus pavidus* (Berlese, 1913) **[Recent]** ..... Qt Karelia, Russia

***Phthiacarus* Perty, 1841** ..... **Palaeogene – Recent**

86. *Phthiacarus borealis* Trägardh, date? **[Recent]** ..... Qt Karelia, Russia

87. *Phthiacarus multipunctus* (Sellnick, 1919) ..... Pa Baltic amber

***Steganacarus* Ewing, 1917a** ..... **Quaternary – Recent**

88. *Steganacarus applicatus* (Sellnick, 1920) **[Recent]** ..... Qt Denmark

89. *Steganacarus carinatus* (C. L. Koch, 1841) **[Recent]** ..... Qt Finland

90. *Steganacarus striculus* (C. L. Koch, 1835) **[Recent]** ..... Qt Europe

*Steganacarus* sp. ..... Qt Finland

**DESMONOMATA Woodley, 1873 (supercohort)** ..... **Jurassic – Recent**

**NOTHRINA van der Hammen, 1982 (cohort)** ..... **Jurassic – Recent**

= HOLOSOMATA author, date?

**CROTONIOIDEA Thorell, 1876** ..... **Jurassic – Recent**

**CAMISIIDAE Oudemans, 1900** ..... **Cretaceous – Recent**

***Camisia* von Heyden, 1826** ..... **Paleogene – Recent**

91. *Camisia foveolata* Hammer, 1955 **[Recent]** ..... Qt western Norway

92. *Camisia horrida* **[Recent]** *fossilis* Sellnick, 1919 ..... Pa Baltic amber

i. = *Nothrus kuehli* Karsch, 1884 ..... Pa Baltic amber

NB: unclear why the older name is the synonym

93. *Camisia invenusta* (Michael, 1888) **[Recent]** ..... Qt western Norway

94. *Camisia lapponica* Trägårdh, 1910 **[Recent]** ..... Qt Karelia, Russia

† ***Eocamisia* Bulanova-Zachvatkina, 1974** ..... **Cretaceous**

95. *Eocamisia sukatshevae* Bulanova-Zachvatkina, 1974* ..... K Siberian amber

***Platynothrus* Berlese, 1913** ..... **Quaternary – Recent**

96. *Platynothrus peltifer* (C. L. Koch, 1839) **[Recent]** ..... Qt Greenland

97. *Platynothrus punctatus* (L. Koch, 1879) **[Recent]** ..... Qt northern Europe

**CROTONIIDAE Thorell, 1876** ..... **Neogene – Recent**

= HOLONOTHRIDAE Wallwork, 1963

***Crotonia* Thorell, 1876** ..... **Neogene – Recent**

98. *Crotonia ramus* (Womersley, 1957) ..... Ne Australian retinite

**HERMANNIIDAE Sellnick, 1928** ..... **Palaeogene – Recent**

= GALAPAGACARIDAE P. Balogh, 1985

***Hermannia* Nicolet, 1855** ..... **Palaeogene – Recent**

99. *Hermannia gibba* (C. L. Koch, 1839) **[Recent]** ..... Qt Finland

100. *Hermannia reticulata* Thorell, 1871 **[Recent]** ..... Qt Subarctic – Arctic

101. *Hermannia scabra* (L. Koch, 1879) **[Recent]** ..... Qt Greenland

102. *Hermannia sellnicki* Norton, 2006 ..... Pa Baltic amber

**MALACONOTHRIDAE Berlese, 1916** ..... **Quaternary – Recent**

***Malaconothrus* Berlese, 1904** ..... **Quaternary – Recent**

103. *Malaconothrus monodactylus* (Michael, 1888) **[Recent]** ..... Qt Europe

***Trimalaconothrus* Berlese, 1916** ..... **Quaternary – Recent**

104. *Trimalaconothrus maior* (Berlese, 1910) **[Recent]** ..... Qt northern Europe

**NANHERMANNIIDAE Sellnick, 1928** ..... **Quaternary – Recent**

***Nanhermannia* Berlese, 1913** ..... **Quaternary – Recent**

105. *Nanhermannia coronata* Berlese, 1913 **[Recent]** ..... Qt Karelia, Russia

106. *Nanhermannia elegantula* Berlese, 1913 **[Recent]** ..... Qt Germany

**NOTHRIDAE Berlese, 1896** ..... **Cretaceous – Recent**

***Nothrus* C. L. Koch, 1836** ..... **Cretaceous – Recent**

107. *Nothrus illautus* Sellnick, 1919 ..... Pa Baltic amber

108. *Nothrus punctulum* Karsch, 1884 ..... Pa Baltic amber

109. *Nothrus silvestris* Nicolet, 1855 **[Recent]** ..... Qt Europe

110. *Northrus vasquezae* Arillo & Subías *in* Arillo *et al*., 2016 ..... K Spanish amber

**TRHYPOCHTHONIIDAE Willmann, 1931** ..... **Jurassic – Recent**

= ALLONOTHRIDAE Lee, 1985

= MUCRONOTHRIDAE Kunst, 1972

= XXXXX Badejo, Woas & Beck, 2002

= TRHYPOCHTHONIELLIDAE Knülle, 1957

***Afronothrus* Wallwork, 1961** ..... **Cretaceous – Recent**

111. *Afronothrus ornosae* Arillo & Subías *in* Arillo *et al.*, 2016 ..... K Spanish amber

***Allonothrus* van der Hammen, 1953** ..... **Neogene – Recent**

*Allonothrus* sp. *in* Norton & Poinar (1993) ..... Ne Dominican amber

† ***Juracarus* Krivolutsky *in* Krivolutsky & Krasilov, 1977** ..... **Jurassic – Recent**

112. *Juracarus serratus* Krivolutsky *in* Krivolutsky & Krasilov, 1977 ..... J Russian far east

***Mucronothrus* Trägårdh, 1931** ..... **Quaternary – Recent**

113. *Mucronothrus nasalis* (Willmann, 1929) **[Recent]** ..... Qt Karelia, Russia

† ***Palaeochthonius* Krivolutsky *in* Krivolutsky & Krasilov, 1977** ..... **Jurassic – Recent**

114. *Palaeochthonius krasilovi* Krivolutsky *in* Kriv. & Krasilov, 1977 ..... J Russian far east

***Trhypochthonius* Berlese, 1904** ..... **Cretaceous – Recent**

115. *Trhypochthonius badiformis* Sellnick, 1931 ..... Pa Baltic amber

116. *Trhypochthonius cladonicola* (Willmann, 1919) **[Recent]** ..... Qt Germany

117. *Trhypochthonius corniculatus* Sellnick, 1931 ..... Pa Baltic amber

118. *Trhypochthonius lopezvallei* Arillo, Subías & Shtanchaeva, 2012 ..... K San Just amber

119. *Trhypochthonius tectorum* (Berlese, 1896) **[Recent]** ..... Qt Karelia, Russia

## BRACHYPYLINA Hull, 1918 (cohort) ..... Jurassic – Recent

= CIRCUMDEHISCENTIAE Grandjean, 1954*b*

= PORONOTA Grandjean, 1954*b* [in part; taxon used for seven brachypyline superfamilies]

### superfamily uncertain

**ARIBATIDAE Aoki, Takaku & Ito, 1994** ..... **Recent**

no fossil record

**HERMANNIELLOIDEA Grandjean, 1934** ..... **Paleogene – Recent**

**HERMANNIELLIDAE Grandjean, 1934** ..... **Paleogene – Recent**

***Hermanniella* Berlese, 1908** ..... **Paleogene – Recent**

120. *Hermanniella concamerata* Sellnick, 1931 ..... Pa Baltic amber

121. *Hermanniella tuberculata* Sellnick, 1919 ..... Pa Baltic amber

***Sacculobates* Grandjean, 1962** ..... **Neogene – Recent**

*Sacculobates* sp. *in* Norton & Poinar (1993) ..... Ne Dominican amber

**PLASMOBATIDAE Grandjean, 1961*a*** ..... **Recent**

no fossil record

**NEOLIODOIDEA Sellnick, 1928** ..... **Cretaceous – Recent**

= LIODOIDEA Grandjean, 1954*b*

**NEOLIODIDAE Sellnick, 1928** ..... **Cretaceous – Recent**

= LIODIDAE Grandjean, 1954*b*

***Neoliodes* Berlese, 1888** ..... **Palaeogene – Recent**

= *Liodes* von Heyden, 1826 [preoccupied]

122. *Neoliodes brevitarsus* (Woolley, 1971) ..... Ne Chiapas amber

123. *Neoliodes dominicus* Heethoff, Helfen & Norton, 2009 ..... Ne Dominican amber

124. *Neoliodes quadriscutatus* Sellnick, 1919 ..... Pa Baltic amber

*Neoliodes* sp. *in* Norton & Poinar (1993) [as *Liodes*] ..... Ne Dominican amber

***Platyliodes* Berlese, 1917** ..... **Cretaceous – Recent**

125. *Platyliodes ensigerus* (Sellnick, 1919) ..... Pa Baltic amber

126. *Platyliodes sellnicki* Arillo & Subías *in* Arillo *et al*., 2016 ..... K Spanish amber

***Teleoliodes* author, date?** ..... **Neogene – Recent**

*Teleoliodes* sp. *in* Norton & Poinar (1993) ..... Ne Dominican amber

**PLATEREMAEOIDEA Trägårdh, 1926** ..... **Cretaceous – Recent**

= GYMNODAMAEOIDEA Grandjean, 1954*a*

**ALEURODAMAEIDAE Paschoal & Johnston, 1985** ..... **Recent**

no fossil record

**GYMNODAMAEIDAE Grandjean, 1954*a*** ..... **Paleogene – Recent**

***Gymnodamaeus* Kulczynski, 1902** ..... **Paleogene – Recent**

127. *Gymnodamaeus sepotisus* Sellnick, 1919 ..... Pa Baltic amber

**IDIODAMAEIDAE Paschoal, 1987** ..... **Recent**

no fossil record

**LICNOBELBIDAE Grandjean, 1965*a*** ..... **Recent**

no fossil record

**LICNODAMAEIDAE Grandjean, 1954*b*** ..... **Recent**

= NACUNANSELLIDAE author, date

no fossil record

**LYRIFISSIELLIDAE Paschoal, 1987** ..... **Recent**

no fossil record

**PEDROCORTESELLIDAE Paschoal, 1987** ..... **Recent**

no fossil record

**PHEROLIODIDAE Paschoal, 1987** ..... **Recent**

= HAMMERIELLIDAE Paschoal, 1987

= NOOLIODIDAE Paschoal, 1989d

no fossil record

**PLATEREMAEIDAE Trägårdh, 1926** ..... **Cretaceous – Recent**

***Rasnitsynella* Krivoluckij, 1976** ..... **Cretaceous**

128. *Rasnitsynella punctulata* Krivoluckij, 1976 ..... K Taymir amber

**DAMAEOIDEA Berlese, 1896** ..... **Paleogene – Recent**

**DAMAEIDAE Berlese, 1896** ..... **Paleogene – Recent**

Damaeidae sp. *in* Aoki (1974) ..... Qt Mizunami copal

***Belba* von Heyden, 1826** ..... **Quaternary – Recent**

129. *Belba compta* (Kulczynski, 1902) **[Recent]** ..... Qt western Norway

130. *Belba cornyops* (Hermann, 1804)* **[Recent]** ..... Qt Finland

† ***Belbites* Pampaloni, 1902** ..... **Neogene**

131. *Belbites disodilis* Pampaloni, 1902* ..... Ne? Sicily

***Damaeobelba* Sellnick, 1928** ..... **Quaternary – Recent**

132. *Damaeobelba minutissima* (Sellnick, 1920) **[Recent]** ..... Qt Germany

***Damaeus* C. L. Koch, 1835** ..... **Paleogene – Recent**

133. *Damaeus auritus* C. L. Koch, 1835* **[Recent]** ..... Qt Finland

134. *Damaeus genadensis* Sellnick, 1931 ..... Pa Baltic amber

***Spatiodamaeus* Bulanova-Zachvatkina, 1967** ..... **Quaternary – Recent**

135. *Spatiodamaeus verticillipes* (Nicolet, 1855)* **[Recent]** ..... Qt Finland

**CEPHEOIDEA Berlese, 1896** ..... **Cretaceous – Recent**

= EUTEGOIDEA Balogh, 1965

**ANDEREMAEIDAE Balogh, 1972** ..... **Recent**

no fossil record

**CEPHEIDAE Berlese, 1896** ..... **Cretaceous – Recent**

= COMPATOZETIDAE Luxton, 1988

***Cepheus* C. L. Koch, 1835** ..... **Paleogene – Recent**

136. *Cepheus cepheiformis* (Nicolet, 1855) **[Recent]** ..... Qt Finland

137. *Cepheus dentatus* (Michael, 1888) **[Recent]** ..... Qt Finland

138. *Cepheus implicatus* (Sellnick, 1919) ..... Pa Baltic amber

139. *Cepheus latus* C. L. Koch, 1835* **[Recent]** ..... Qt Finland

***Eupterotegaeus* Berlese, 1916** ..... **Cretaceous – Recent**

140. *Eupterotegaeus bitranslamellatus* Arillo & Subías, 2002 ..... K Álava amber

***Ommatocepheus* Berlese, 1913** ..... **Cretaceous – Recent**

141. *Ommatocepheus nortoni* Arillo, Subías & Shtanchaeva, 2008 ..... K Álava amber

**CEROCEPHEIDAE Mahunka, 1986** ..... **Recent**

no fossil record

**EUTEGAEIDAE Balogh, 1965** ..... **Recent**

= PTEROZETIDAE Luxton, 1988

no fossil record

**MICROTEGEIDAE Balogh, 1972** ..... **Recent**

no fossil record

**NODOCEPHEIDAE Piffl, 1972** ..... **Recent**

no fossil record

**NOSYBEIDAE Mahunka, 1994** ..... **Recent**

no fossil record

**PTEROBATIDAE Balogh & Balogh, 1992** ..... **Recent**

no fossil record

**POLYPTEROZETOIDEA Grandjean, 1959** ..... **Recent**

**PODOPTEROTEGAEIDAE Piffl, 1972** ..... **Recent**

no fossil record

**POLYPTEROZETIDAE Grandjean, 1959** ..... **Recent**

no fossil record

**TUMEROZETIDAE Hammer, 1966** ..... **Recent**

no fossil record

**MICROZETOIDEA Grandjean, 1936*a*** ..... **Neogene – Recent**

**MICROZETIDAE Grandjean, 1936*a*** ..... **Neogene – Recent**

***Amiracarus* Miko *in* Miko *et al*. (2013)** ..... **Neogene – Recent**

142. *Amiracarus pliocennatus* Miko *in* Miko *et al*. (2013) ..... Ne Slovenian Karst

143. *Amiracrus senensis* (Bernini, 1975) *in* Miko *et al*. (2013)* **[Recent]** ..... Qt Romanian caves

**AMEROIDEA Bulanova-Zachvatkina, 1957** ..... **Palaeogene – Recent**

= AMEROBELBOIDEA Grandjean, 1954*b*

= CALEREMEIOIDEA Grandjean, 1965*c*

**AMERIDAE Bulanova-Zachvatkina, 1957** ..... **Recent**

no fossil record

**AMEROBELBIDAE Grandjean, 1961*b*** ..... **Recent**

no fossil record

**BASILOBELBIDAE Balogh, 1961** ..... **Recent**

no fossil record

**CALEREMAEIDAE Grandjean, 1965*c*** ..... **Palaeogene – Recent**

***Caleremaeus* Berlese, 1910** ..... **Palaeogene – Recent**

144. *Caleremaeus gleso* Sellnick, 1931 ..... Pa Baltic amber

**CTENOBELBIDAE Grandjean, 1965*b*** ..... **Recent**

no fossil record

**DAMAEOLIDAE Grandjean, 1965*b*** ..... **Recent**

no fossil record

**EREMOBELBIDAE Balogh, 1961** ..... **Recent**

no fossil record

**EREMULIDAE Grandjean, 1965*b*** ..... **Recent**

no fossil record

**HETEROBELBIDAE Balogh, 1961** ..... **Recent**

no fossil record

**HUNGAROBELBIDAE Miko & Travé, 1996** ..... **Recent**

no fossil record

**STAUROBATIDAE Grandjean, 1966** ..... **Recent**

no fossil record

**ZETORCHESTOIDEA Michael, 1898** ..... **Cretaceous – Recent**

= EREMAEOIDEA Oudeman, 1900

= NIPHOCEPHOIDEA Travé, 1959 [a separate superfamily in some studies]

† **ARCHAEORCHESTIDAE Arillo & Subías, 2000** ..... **Cretaceous**

† ***Plategeocranus* Sellnick, 1919** ..... **Palaeogene**

145. *Plategeocranus sulcatus* (Karsch, 1884)* ..... Pa Baltic amber

† ***Strieremaeus* Sellnick, 1919** ..... **Cretaceous – Recent**

= † *Archaeorchestes* Arillo & Subías, 2000

146. *Strieremaeus illibatus* Sellnick, 1919 ..... Pa Baltic amber

147. *Strieremaeus minguezae* (Arillo & Subías, 2000) ..... K Álava amber

**EREMAEIDAE Oudemans, 1900** ..... **Paleogene – Recent**

***Eremaeus* C. L. Koch, 1836** ..... **Paleogene – Recent**

148. *Eremaeus hepaticus* C. L. Koch, 1835* **[Recent]** ..... Qt Germany

149. *Eremaeus oblongus* **[Recent]** *fossilis* Sellnick, 1919 ..... Pa Baltic amber

***Eueremaeus* Mihelcic, 1963** ..... **Quaternary – Recent**

150. *Eueremaeus silvestris* (Forsslund, 1956) **[Recent]** ..... Qt Finland

† ***Gradidorsum*** **Sellnick, 1919** ..... **Palaeogene – Recent**

151. *Gradidorsum asper* Sellnick, 1919* ..... Pa Baltic amber

**MEGEREMAEIDAE Woolley & Higgins, 1968** ..... **Cretaceous – Recent**

***Megeremaeus*** **Higgins & Wooley 1965** ..... **Cretaceous – Recent**

152.*Megeremaeus cretaceous* Sidorchuk & Behan-Pelletier, 2017 ..... K Canadian amber

**NIPHOCEPHEIDAE Travé, 1959** ..... **Recent**

no fossil record

**ZETORCHESTIDAE Michael, 1898** ..... **Palaeogene – Recent**

***Zetorchestes*** **Berlese, 1888** ..... **Palaeogene – Recent**

*Zetorchestes* spp.*in* Sidorchuk & Norton (2011) ..... Pa Rovno amber

**GUSTAVIOIDEA Oudemans, 1900** ..... **Jurassic – Recent**

= LIACAROIDEA Sellnick, 1928

**ASTEGISTIDAE Balogh, 1961** ..... **Jurassic – Recent**

***Astegistes*** **Hull, 1916** ..... **Quaternary – Recent**

153. *Astegistes pilosus* (C. L. Koch, 1840) **[Recent]** ..... Qt Karelia, Russia

***Cultroribula*** **Berlese, 1908** ..... **Jurassic – Recent**

154. *Cultroribula jurassica* Krivolutsky *in* Krivolutsky & Krasilov, 1977 ..... J Russian far east

155. *Cultroribula lauta* Sellnick, 1931 ..... Pa Baltic amber

156. *Cultroribula superba* Sellnick, 1931 ..... Pa Baltic amber

**GUSTAVIIDAE Oudemans, 1900** ..... **Quaternary – Recent**

***Gustavia*** **Kramer, 1879** ..... **Quaternary – Recent**

157. *Gustavia microcephala* (Nicolet, 1855) **[Recent]** ..... Qt Finland

**KODIAKELLIDAE Hammer, 1967** ..... **Recent**

no fossil record

**LIACARIDAE Sellnick, 1928** ..... **Quaternary – Recent**

= XENILLIDAE Woolley & Higgins, 1966

***Adoristes*** **Hull, 1916** ..... **Quaternary – Recent**

158. *Adoristes ovatus* (C. L. Koch, 1839)* **[Recent]** ..... Qt northern Europe

***Liacarus*** **Michael, 1898** ..... **Quaternary – Recent**

159. *Liacarus coracinus* (C. L. Koch, 1841) **[Recent]** ..... Qt Finland

***Xenillus*** **Robineau-Desvoidy, 1839** ..... **Paleogene – Recent**

160. *Xenillus tegeocraniformis* (Sellnick, 1919) ..... Pa Baltic amber

**MULTORIBULIDAE Balogh, 1972** ..... **Recent**

no fossil record

**PELOPPIIDAE Balogh, 1943** ..... **Paleogene – Recent**

***Ceratoppia* Berlese, 1908** ..... **Paleogene – Recent**

161. *Ceratoppia bipilis fossilis* Sellnick, 1919 ..... Pa Baltic amber

ii. = *Oribates politus* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

162. *Ceratoppia quadridentata* (Haller, 1882) **[Recent]** ..... Qt Finland

**TENUIALIDAE Jacot, 1929** ..... **Quaternary – Recent**

***Hafenrefferia* Oudemans, 1906** ..... **Quaternary – Recent**

163. *Hafenrefferia gilvipes* (C. L. Koch, 1839)* **[Recent]** ..... Qt Finland

**CARABODOIDEA C. L. Koch, 1843*b*** ..... **Cretaceous – Recent**

= OCTOCEPHOIDEA Balogh, 1961

**CARABOCEPHEIDAE Mahunka, 1986** ..... **Recent**

no fossil record

**CARABODIDAE C. L. Koch, 1843*b*** ..... **Palaeogene – Recent**

***Carabodes* C. L. Koch, 1835** ..... **Palaeogene – Recent**

164. *Carabodes areolatus* Berlese, 1916 **[Recent]** ..... Qt Karelia, Russia

165. *Carabodes coriaceus* C. L. Koch, 1835* **[Recent]** ..... Qt Finland

166. *Carabodes coriaceus* **[Recent]** *fossilis* Sellnick, 1931..... Pa Baltic amber

167. *Carabodes dissonus* Sellnick, 1931 ..... Pa Baltic amber

168. *Carabodes gerberi* Sellnick, 1931 ..... Pa Baltic amber

169. *Carabodes laybrinthicus* (Michael, 1879) **[Recent]** ..... Qt Europe

170. *Carabodes labyrinthicus* **[Recent]** *fossilis* Sellnick, 1931 ..... Pa Baltic amber

171. *Carabodes marginatus* (Michael, 1884) **[Recent]** ..... Qt Finland

172. *Carabodes minusculus* Berlese, 1923 **[Recent]** ..... Qt Germany

173. *Carabodes ornatus* Storkan, 1925 **[Recent]** ..... Qt Finland

174. *Carabodes subarcticus* Trägardh, 1902 **[Recent]** ..... Qt Finland

175. *Carabodes willmanni* Bernini, 1975 **[Recent]** ..... Qt western Norway

?*Carabodes* sp. *in* Norton & Poinar (1993) ..... Ne Dominican amber

† ***Carabodites* Pampaloni, 1902** ..... **Neogene?**

176. *Carabodites pavesii* Pampaloni, 1902* ..... Ne? Sicily

***Odontocepheus* Berlese, 1913** ..... **Quaternary – Recent**

177. *Odontocepheus elongatus* (Michael, 1879)* **[Recent]** ..... Qt Finland

**DAMPFIELLIDAE Balogh, 1961** ..... **Recent**

no fossil record

**HEXOPPIIDAE Balogh, 1983** ..... **Recent**

no fossil record

**LUXTONIIDAE Mahunka, 2001** ..... **Recent**

no fossil record

**NIPPOBODIDAE Aoki, 1959** ..... **Recent**

no fossil record

**OTOCEPHEIDAE Balogh, 1961** ..... **Cretaceous – Recent**

**† *Cretaceobodes* Arillo, Subías & Shtanchaeva, 2010** ..... **Cretaceous – Recent**

178. *Cretaceobodes martinezae* Arillo, Subías & Shtanchaeva, 2010 ..... K San Just amber

***Dolicheremaeus* Jacot, 1938** ..... **Neogene – Recent**

*Dolicheremaeus* sp. *in* Norton & Poinar (1993) ..... Ne Dominican amber

***Otocepheus* Berlese, 1905** ..... **Paleogene – Recent**

179. *Otocepheus niger* Sellnick, 1931 ..... Pa Baltic amber

180. *Otocepheus praesignis* Sellnick, 1931 ..... Pa Baltic amber

**TOKUNOCEPHEIDAE Aoki, 1966*a*** ..... **Recent**

no fossil record

**OPPIOIDEA Grandjean, 1951** ..... **Palaeogene – Recent**

= EREMELLOIDEA Balogh, 1961 [in part]

= TRIZETOIDEA Ewing, 1917 [in part]

**AUTOGNETIDAE Grandjean, 1960*b*** ..... **Quaternary – Recent**

***Conchogneta* Grandjean, 1963** ..... **Quaternary – Recent**

181. *Conchogneta traegardhi* (Forsslund, 1947) **[Recent]** ..... Qt Finland

**ARCEREMAEIDAE Balogh, 1972** ..... **Recent**

no fossil record

**BORHIDIIDAE Balogh, 1983** ..... **Recent**

no fossil record

**CHAVINIIDAE Balogh, 1983** ..... **Recent**

no fossil record

**ENANTIOPPIIDAE Balogh, 1983** ..... **Recent**

no fossil record

**EPIMERELLIDAE Ayyildiz & Luxton, 1989** ..... **Recent**

no fossil record

**GRANULOPPIIDAE Balogh, 1983** ..... **Recent**

no fossil record

**MACHADOBELBIDAE Balogh, 1972** ..... **Recent**

no fossil record

**MACHUELLIDAE Balogh, 1893** ..... **Recent**

no fossil record

**NOSYBELBIDAE Mahunka, 1994** ..... **Recent**

no fossil record

**OPPIIDAE Grandjean, 1951** ..... **Palaeogene – Recent**

***Dissorhina* Hull, 1916** ..... **Neogene – Recent**

182. *Dissorhina nuda* Miko, 2015 ..... Ne Slovenian Karst

183. *Dissorhina ornata* (Oudemans, 1900)* **[Recent]** ..... Qt Germany

184. *Dissorhina paleokrasica* Miko, 2015 ..... Ne Slovenian Karst

***Oppia* C. L. Koch, 1836** ..... **Palaeogene – Recent**

185. *Oppia angustum* (Sellnick, 1931) ..... Pa Baltic amber

186. *Oppia cervicornu* (Sellnick, 1919) ..... Pa Baltic amber

187. *Oppites hurdi* Woolley, 1971 ..... Ne Chiapas amber

188. *Oppia longilamellata* **[Recent]** *fossilis* (Sellnick, 1931) ..... Pa Baltic amber

189. *Oppia medium* (Sellnick, 1931) ..... Pa Baltic amber

190. *Oppia mexicana* (Woolley, 1971) ..... Ne Chiapas amber

191. *Oppia setigera* (Woolley, 1971) ..... Ne Chiapas amber

192. *Oppia sucinum* (Sellnick, 1931) ..... Pa Baltic amber

?*Oppia* sp. *in* Norton & Poinar (1993) ..... Ne Dominican amber

***Oppiella* Jacot, 1937** ..... **Quaternary – Recent**

193. *Oppiella nova* (Oudemans, 1902)* **[Recent]** ..... Qt northern Europe

194. *Oppiella ornata* (Oudemans, 1900) **[Recent]** ..... Qt western Norway

195. *Oppiella splendens* (C. L. Koch, 1841) **[Recent]** ..... Qt western Norway

196. *Oppiella subpectinata* (Oudemans, 1900) **[Recent]** ..... Qt northern Europe

197. *Oppiella translamellata* (Willmann, 1923) **[Recent]** ..... Qt northern Europe

† ***Oppites* Pampaloni, 1902** ..... **Neogene**

198. *Oppites melilli* Pampaloni, 1902* ..... Ne? Sicily

† ***Praoppiella* Miko & Mourek *in* Miko *et al*., 2012** ..... **Quaternary**

199. *Praoppiella oanae* Miko & Mourek *in* Miko *et al*., 2012* ..... Qt Slovenian Karst

***Ramusella* Hammer, 1962** ..... **Quaternary – Recent**

200. *Ramusella clavipectinata* (Michael, 1885) **[Recent]** ..... Qt Germany

† ***Rhinoppioides* Miko *in* Miko *et al*., 2012** ..... **Quaternary**

201. *Rhinoppioides quadrituberculatus* Miko *in* Miko *et al*., 2012* ..... Qt Slovenian Karst

**OXYAMERIDAE Aoki, 1965** ..... **Recent**

no fossil record

**PAPILLONOTIDAE Balogh, 1983** ..... **Recent**

no fossil record

**PLATYAMERIDAE Balogh & Balogh, 1983** ..... **Recent**

no fossil record

**QUADROPPIIDAE Balogh, 1983** ..... **Recent**

no fossil record

**RHYNCHORIBATIDAE Balogh, 1961** ..... **Recent**

no fossil record

**SPINOZETIDAE Balogh, 1972** ..... **Recent**

no fossil record

**STERNOPPIIDAE Balogh & Mahunka, 1969** ..... **Recent**

no fossil record

**SUCTOBELBIDAE Jacot, 1938** ..... **Palaeogene – Recent**

***Suctobelbella* Jacot, 1937** ..... **Palaeogene – Recent**

202. *Suctobelbella falcata* (Forsslund, 1941) **[Recent]** ..... Qt Germany
203. *Suctobelbella latirostris* (Strenzke, 1950) **[Recent]** ..... Qt Germany
204. *Suctobelbella longirostris* (Forsslund, 1941) **[Recent]** ..... Qt western Norway
205. *Suctobelbella sarekensis* (Forsslund, 1941) **[Recent]** ..... Qt Europe
206. *Suctobelbella similis* (Forsslund, 1941) **[Recent]** ..... Qt Germany
207. *Suctobelbella subcornigera* (Forsslund, 1941) **[Recent]** ..... Qt Germany
208. *Suctobelbella subtrigona* (Oudemans, 1916) **[Recent]** ..... Qt Europe
209. *Suctobelbella subtrigona* **[Recent]** *fossilis* (Sellnick, 1931) ..... Pa Baltic amber

**TERATOPPIIDAE Balogh, 1983** ..... **Recent**

no fossil record

**TETRACONDYLIDAE Aoki, 1961** ..... **Recent**

no fossil record

**THYRISOMIDAE Grandjean, 1954*b*** ..... **Quaternary – Recent**

***Banksinoma* Oudemans, 1930** ..... **Quaternary – Recent**

210. *Banksinoma lanceolata* (Michael, 1885)* **[Recent]** ..... Qt Europe

**TRIZETIDAE Ewing, 1917** ..... **Recent**

no fossil record

**TUPAREZETIDAE Balogh, 1972** ..... **Recent**

no fossil record

**TECTOCEPHEOIDEA Grandjean, 1954*b*** ..... **Paleogene – Recent**

**TECTOCEPHEIDAE Oudemans, 1900** ..... **Paleogene – Recent**

***Tectocepheus* Berlese, 1895** ..... **Paleogene – Recent**

211. *Tectocepheus minor* Berlese, 1903 **[Recent]** ..... Qt western Norway

212. *Tectocepheus similis* Sellnick, 1931 ..... Pa Baltic amber

213. *Tectocepheus velatus* (Michael, 1880)* **[Recent]** ..... Qt northern Europe

**HYDROZETOIDEA Grandjean, 1954*b*** ..... **Jurassic – Recent**

**HYDROZETIDAE Grandjean, 1954*b*** ..... **Jurassic – Recent**

***Hydrozetes* Berlese, 1902** ..... **Jurassic – Recent**

214. *Hydrozetes confervae* (Schrank, 1791) **[Recent]** ..... Qt western Norway

215. *Hydrozetes lacustris* (Michael, 1882)* **[Recent]** ..... Qt northern Europe

216. *Hydrozetes oryktosis* Woolley, 1969 ..... Qt Michigan

*Hydrozetes* sp. *in* Sivhed & Wallwork (1978) ..... J Sweden

**LIMNOZETIDAE Thor, 1937** ..... **Quaternary – Recent**

***Limnozetes* Hull, 1916** ..... **Quaternary – Recent**

217. *Limnozetes ciliatus* (Schrank, 1803)* **[Recent]** ..... Qt northern Europe

218. *Limnozetes rugosus* (Sellnick, 1923) **[Recent]** ..... Qt northern Europe

**AMERONOTHROIDEA Willmann, 1931** ..... **Quaternary – Recent**

**AMERONOTHRIDAE Willmann, 1931** ..... **Quaternary – Recent**

***Ameronothrus* Berlese, 1896** ..... **Quaternary – Recent**

219. *Ameronothrus lineatus* (Thorell, 1871)* **[Recent]** ..... Qt Europe / Greenland

220. *Ameronothrus maculatus* (Michael, 1882) **[Recent]** ..... Qt western Norway

**FORTUYNIIDAE van der Hammen, 1963** ..... **Recent**

no fossil record

**SELENORIBATIDAE Schuster, 1963** ..... **Recent**

no fossil record

**TEGEOCRANELLIDAE Balogh, 1987** ..... **Recent**

no fossil record

**CYMBAEREMAEOIDEA Sellnick, 1928** ..... **Jurassic – Recent**

**CYMBAEREMAEIDAE Sellnick, 1928** ..... **Jurassic – Recent**

= AMETROPROCTIDAE Subías, 2004

= SCAPHEREMAEIDAE Subías, 2004

***Ametroproctus*** **Higgins & Woolley, 1968** ..... **Cretaceous – Recent**

221. *Ametroproctus valeriae* Arillo, Subías & Shtanchaeva, 2009 ..... K San Just amber

***Cymbaeremaeus*** **Berlese, 1896** ..... **Paleogene – Recent**

222. *Cymbaeremaeus cymba* (Nicolet, 1855)* **[Recent]** ..... Qt northern Europe

† ***Jureremus*** **Krivolutsky *in* Krivolutsky & Krasilov, 1977** ..... **Jurassic**

223. *Jureremeus foveolatus* Krivolutsky *in* Krivolutsky & Krasilov, 1977* ..... J Russian far east

224. *Jureremeus phippsi* Selden, Baker & Phipps, 2008 ..... J Yorkshire, UK

***Scapheremaeus*** **Berlese, 1910** ..... **Paleogene – Recent**

225. *Scapheremaeus undosus* Sellnick, 1919 ..... Pa Baltic amber

† ***Tectocymba*** **Sellnick, 1919** ..... **Paleogene – Recent**

226. *Tectocymba rara* Sellnick, 1919* ..... Pa Baltic amber

**EREMAEOZETOIDEA Piffl, 1972** ..... **Paleogene – Recent**

= IDIOZETOIDEA Aoki, 1976

**EREMAEOZETIDAE Piffl, 1972** ..... **Paleogene – Recent**

***Eremaeozetes*** **Berlese, 1913** ..... **Paleogene – Recent**

= † *Scutoribates* Sellnick, 1919

*Eremaeozetes* sp. *in* Norton & Poinar (1993) ..... Ne Dominican amber

**IDIOZETIDAE Aoki, 1976** ..... **Recent**

no fossil record

**LICNEREMAEOIDEA Grandjean, 1931** ..... **Jurassic – Recent**

= CHARASSOBATOIDEA Grandjean, 1958*b*

**ADHAESOZETIDAE Hammer, 1973** ..... **Recent**

no fossil record

**CHARASSOBATIDAE Grandjean, 1958*b*** ..... **Recent**

no fossil record

**DENDEROEREMAEIDAE Behan-Pelletier, Eamer & Clavton, 2005** ..... **Recent**

no fossil record

**EREMELLIDAE Balogh, 1961** ..... **Recent**

no fossil record

**LAMELLAREIDAE Balogh, 1972** ..... **Cretaceous – Recent**

***Tenuelamellarea*** **Subías & Iturrondobeitia, 1978** ..... **Cretaceous – Recent**

227. *Tenuelamellarea estefaniae* Arillo & Subías *in* Arillo *et al*., 2016 ..... K Spanish amber

**LICNEREMAEIDAE Grandjean, 1931** ..... **Palaeogene – Recent**

***Licneremaeus*** **Paoli, 1908** ..... **Palaeogene – Recent**

228. *Licneremaeus fritschi* Sellnick, 1931 ..... Pa Baltic amber

229. *Licneremaeus licnophorus* (Michael, 1882) **[Recent]** ..... Qt Germany

**MICREREMIDAE Grandjean, 1954*b*** ..... **Jurassic – Recent**

***Micreremus* Grandjean, 1954*b*** .....[not Berlese 1908?]..... **Paleogene – Recent**

230. *Micreremus brevipes* (Michael, 1888)* **[Recent]** ..... Qt northern Europe

231. *Micreremus reticulatus* Sellnick, 1931 ..... Pa Baltic amber

232. *Micreremus scrobiculatus* Sellnick, 1931 ..... Pa Baltic amber

**PASSALOZETIDAE Grandjean, 1954*b*** ..... **Quaternary – Recent**

***Passalozetes* Grandjean, 1932*a*** ..... **Quaternary – Recent**

233. *Passalozetes africanus* Grandjean, 1932*a* **[Recent]** ..... Qt Finland

**SCUTOVERTICIDAE Grandjean, 1954*b*** ..... **Cretaceous – Recent**

***Arthrovertex* Balogh, 1970** ..... **Neogene – Recent**

234. *Arthrovertex hurdi* (Woolley, 1971)..... Ne Chiapas amber

*Arthrovertex* sp. *in* Norton & Poinar (1993) ..... Ne Dominican amber

***Hypovertex* Krivolutsky, 1969** ..... **Cretaceous – Recent**

235. *Hypovertex hispanicus* Arillo & Subías *in* Arillo *et al.*, 2016 ..... K Spanish amber

***Scutovertex* Michael, 1879** ..... **Quaternary – Recent**

236. *Scutovertex minutus* (C. L. Koch, 1835) **[Recent]** ..... Qt Germany

**PHENOPELOPOIDEA Petrunkevitch, 1955*a*** ..... **Palaeogene – Recent**

**PHENOPELOPIDAE Petrunkevitch, 1955*a*** ..... **Palaeogene – Recent**

= PELOPIDAE author, date?

***Eupelops* Ewing, 1917a** ..... **Palaeogene – Recent**

237. *Eupelops acromios* (Hermann, 1804) **[Recent]** ..... Qt Finland

238. *Eupelops curtipilus* (Berlese, 1916) **[Recent]** ..... Qt Germany

239. *Eupelops occultus* (C. L. Koch, 1835) **[Recent]** ..... Qt Kerelia, Russia

240. *Eupelops plicatus* (C. L. Koch, 1835) **[Recent]** ..... Qt northern Europe

241. *Eupelops punctulatus* (Sellnick, 1931) ..... Pa Baltic amber

242. *Eupelops uraceus* (C. L. Koch, 1839)* **[Recent]** ..... Qt Kerelia, Russia

*Eupelops* sp. *in* Karppinen & Koponen (1974) ..... Qt Finland

***Peloptulus* Berlese, 1908** ..... **Quaternary – Recent**

243. *Peloptulus phaenotus* (C. L. Koch, 1844)* **[Recent]** ..... Qt Germany

**UNDULORIBATIDAE Kunst, 1971** ..... **Palaeogene – Recent**

***Scutoribates* Sellnick, 1918** ..... **Palaeogene – Recent**

244. *Scutoribates perornatus* Sellnick, 1918 ..... Pa Baltic amber

***Unduloribates* Balogh, 1943** ..... **?Palaeogene – Recent**

245. *Unduloribates parvus* (Sellnick, 1931) ..... Pa Baltic amber

[generic affinities need clarification]

**ACHIPTERIOIDEA Thor, 1929** ..... **?Jurassic – Recent**

**ACHIPTERIIDAE Thor, 1929** ..... **?Jurassic – Recent**

***Achipteria* Berlese, 1885** ..... **?Jurassic – Recent**

246. *Achipteria coleoptrata* (Linnaeus, 1757) **[Recent]** ..... Qt Finland / Greenland

247. ?*Achipteria obscura* Krivolutsky *in* Krivolutsky & Krasilov, 1977 ..... J Russian far east

[An *incertae sedis* taxon?]

***Parachipteria* van der Hammen, 1952** ..... **Quaternary – Recent**

248. *Parachipteria punctata* (Nicolet, 1855) **[Recent]** ..... Qt northern Europe

249. *Parachipteria willmanni* van der Hammen, 1952 **[Recent]** ..... Qt Germany

**EPACTOZETIDAE Grandjean, 1936*b*** ..... **Recent**

no fossil record

**TEGORIBATIDAE Grandjean, 1954*b*** ..... **Quaternary – Recent**

***Tegoribates* Ewing, 1917a** ..... **Quaternary – Recent**

250. *Tegoribates latirostris* (C. L. Koch, 1844) **[Recent]** ..... Qt Finland

**ORIBATELLOIDEA Jacot, 1925** ..... **Palaeogene – Recent**

**ORIBATELLIDAE Jacot, 1925** ..... **Palaeogene – Recent**

***Oribatella* Banks, 1895** ..... **Palaeogene – Recent**

251. *Oribatella berlesei* (Michael, 1898) **[Recent]** ..... Qt Finland

252. *Oribatella calcarata* (C. L. Koch, 1835) **[Recent]** ..... Qt Kerelia, Russia

253. *Oribatella mirabilis* Sellnick, 1931 ..... Pa Baltic amber

**ORIPODOIDEA Jacot, 1925** ..... **Palaeogene – Recent**

**CALOPPIIDAE Balogh, 1960** ..... **Recent**

= ?CRASSORIBATULIDAE author, date?

no fossil record

**CAMPBELLOBATIDAE J. Balogh & P. Balogh, 1984** ..... **Recent**

no fossil record

**CHAUNOPROCTIDAE Balogh, 1961** ..... **Recent**

no fossil record

**DRYMOBATIDAE J. Balogh & P. Balogh, 1984** ..... **Recent**

no fossil record

**HAPLOZETIDAE Grandjean, 1936*c*** ..... **Palaeogene – Recent**

= PROTORIBATIDAE J. Balogh & P. Balogh, 1984

= XLOBATIDAE J. Balogh & P. Balogh, 1984

***Protoribates* Berlese, 1908** ..... **Palaeogene – Recent**

254. *Protoribates longipilis* Sellnick, 1931 ..... Pa Baltic amber

**LAMELLAREIDAE Balogh, 1972** ..... **Recent**

no fossil record

**MAUDHEIMIIDAE J. Balogh & P. Balogh, 1984** ..... **Recent**

no fossil record

**MOCHLOZETIDAE Grandjean, 1960*a*** ..... **Neogene – Recent**

Mochlozetidae sp. *in* Norton & Poinar (1993) ..... Ne Dominican amber

***Mochloribatula* Mahunka, 1978** ..... **Neogene – Recent**

255. *Mochloribatula smithi* (Woolley, 1971) ..... Ne Chiapas amber

***Mochlozetes* Grandjean, 1930** ..... **Neogene – Recent**

*Mochlozetes* sp. *in* Norton & Poinar (1993) ..... Ne Dominican amber

**NASOBATIDAE Balogh, 1972** ..... **Recent**

no fossil record

**NEOTRICHOZETIDAE Balogh, 1965** ..... **Recent**

no fossil record

**NESOZETIDAE J. Balogh & P. Balogh, 1984** ..... **Recent**

no fossil record

**ORIBATULIDAE Thor, 1929** ..... **Palaeogene – Recent**

Oribatulidae sp. *in* Aoki (1974) ..... Qt Mizunami copal

***Lucoppia* Berlese, 1908** ..... **Palaeogene – Recent**

256. *Lucoppia simplex* Sellnick, 1931 ..... Pa Baltic amber

***Oribatula* Berlese, 1895** ..... **Quaternary – Recent**

257. *Oribatula tibialis* (Nicolet, 1855)* **[Recent]** ..... Qt Europe

***Phauloppia* Berlese, 1908** ..... **Palaeogene – Recent**

258. *Phauloppia lucorum* (C. L. Koch, 1841) **[Recent]** ..... Qt northern Europe

259. *Phauloppia pellucida* (Sellnick, 1931) ..... Pa Baltic amber

**† *Sachalinbates* Arillo, Subías & Shtanchaeva, 20112** [replacement name] ..... **Palaeogene – Recent**

= † *Sachalinella* Rjabinin *in* Krivolutzkii & Rjabinin, 1976 [preoccupied]

260. *Sachalinbates zherichini* (Rjabinin *in* Krivolutzkii & Rjabinin, 1976)* ..... Pa Sachalin amber

***Zygoribatula* Berlese, 1916** ..... **Quaternary – Recent**

261. *Zygoribatula exilis* (Nicolet, 1855) **[Recent]** ..... Qt northern Europe

**ORIPODIDAE Jacot, 1925** ..... **Palaeogene – Recent**

= BIROBATIDAE J. Balogh & P. Balogh, 1984

***Benoibates* Balogh, 1958** ..... **Neogene – Recent**

262. *Benoibates chiapasensis* (Woolley, 1971) ..... Ne Chiapas amber

***Oripoda* Banks, 1904** ..... **Palaeogene – Recent**

263. *Oripoda baltica* Sellnick, 1931 ..... Pa Baltic amber

*Oripoda* sp. *in* Norton & Poinar (1993) ..... Ne Dominican amber

***Parapirnodus* Balogh & Mahunka, 1968** ..... **Neogene – Recent**

264. *Parapirnodus denaius* (Woolley, 1971) ..... Ne Chiapas amber

**PARAKALUMMIDAE Grandjean, 1936*b*** ..... **Palaeogene – Recent**

***Neoribates* Berlese, 1914** ..... **Palaeogene – Recent**

265. *Neoribates borussicus* Sellnick, 1931 ..... Pa Baltic amber

**SCHELORIBATIDAE Grandjean, 1933** ..... **Palaeogene – Recent**

***Liebstadia* Oudemans, 1906** ..... **Palaeogene – Recent**

266. *Liebstadia similiformis* Sellnick, 1931 ..... Pa Baltic amber

267. *Liebstadia similis* (Michael, 1888)* **[Recent]** ..... Qt Europe / Greenland

***Scheloribates* Berlese, 1908** ..... **Palaeogene – Recent**

268. *Scheloribates apertus* Sellnick, 1931 ..... Pa Baltic amber

269. *Scheloribates areatus* Sellnick, 1931 ..... Pa Baltic amber

270. *Scheloribates durhami* (Woolley, 1971) ..... Ne Chiapas amber

271. *Scheloribates initialis* (Berlese, 1908) **[Recent]** ..... Qt Europe

272. *Scheloribates laevigatus* (C. L. Koch, 1835) **[Recent]** ..... Qt northern Europe

273. *Scheloribates latipes* (C. L. Koch, 1844) **[Recent]** ..... Qt Europe

274. *Scheloribates pallidulus* (C. L. Koch, 1841) **[Recent]** ..... Qt Germany

275. *Scheloribates setatus* Sellnick, 1931 ..... Pa Baltic amber

**SELLNICKIIDAE Balogh & Balogh, 1984** ..... **Recent**

no fossil record

**STELECHOBATIDAE Grandjean, 1965*b*** ..... **Recent**

no fossil record

**SYMBIORIBATIDAE Aoki, 1966*b*** ..... **Recent**

no fossil record

**TUBULOZETIDAE Balogh, 1989** ..... **Quaternary – Recent**

***Grandjeanobates* Ramsay, 1967** ..... **Quaternary – Recent**

?*Grandjeanobates* sp. ..... Qt New Zealand

**ZETOMOTRICHIDAE Grandjean, 1954*b*** ..... **Paleogene – Recent**

Zetomotrichidae sp. *in* Sidorchuk & Norton (2011) ..... P Baltic amber

**CERATOZETOIDEA Jacot, 1925** ..... **Paleogene – Recent**

**CERATOKALUMMIDAE Balogh, 1970** ..... **Recent**

no fossil record

**CERATOZETIDAE Jacot, 1925** ..... **Paleogene – Recent**

***Ceratozetes* Berlese, 1908** ..... **Quaternary – Recent**

276. *Ceratozetes gracilis* (Michael, 1884)* **[Recent]** ..... Qt Finland

277. *Ceratozetes minimus* Sellnick, 1928 **[Recent]** ..... Qt Germany

278. *Ceratozetes parvulus* Sellnick, 1922 **[Recent]** ..... Qt Germany

***Diapterobates* Grandjean, 1936*b*** ..... **Quaternary – Recent**

279. *Diapterobates notatus* (Thorell, 1871) **[Recent]** ..... Qt Europe / Greenland

***Edwardzetes* Berlese, 1914** ..... **Quaternary – Recent**

280. *Edwardzetes edwardsi* (Nicolet, 1855)* **[Recent]** ..... Qt western Norway

***Fuscozetes* Sellnick, 1928** ..... **Quaternary – Recent**

281. *Fuscozetes fuscipes* (C. L. Koch, 1844)* **[Recent]** ..... Qt western Norway

***Melanozetes* Hull, 1916** ..... **Paleogene – Recent**

282. *Melanozetes foderatus* Sellnick, 1931 ..... Pa Baltic amber

283. *Melanozetes mollicomnus* **[Recent]** *fossilis* Sellnick, 1931 ..... Pa Baltic amber

284. *Melanozetes meridianus* Sellnick, 1928 **[Recent]** ..... Qt Greenland

*Melanozetes* sp. *in* Karppinen *et al.* (1979) ..... Qt Karelia, Russia

***Oromucia* Thor, 1930** ..... **Quaternary – Recent**

285. *Oromucia bicuspidata* Thor, 1930* **[Recent]** ..... Qt western Norway

286. *Oromucia lucens* (C. L. Koch, date?) **[Recent]** ..... Qt Greenland

***Sphaerozetes* Berlese, 1885** ..... **Paleogene – Recent**

287. *Sphaerozetes convexulus* (C. L. Koch & Berendt, 1854) ..... Pa Baltic amber

288. *Sphaerozetes pirifomis* (Nicolet, 1855) **[Recent]** ..... Qt Finland

289. *Sphaerozetes primus* Sellnick, 1931 ..... Pa Baltic amber

***Trichoribates* Berlese, 1910** ..... **Quaternary – Recent**

290. *Trichoribates biarea* Gjelstrup & Solhøy, 1994 **[Recent]** ..... Qt western Norway

291. *Trichoribates incisellus* (Kramer, 1897) **[Recent]** ..... Qt Europe

292. *Trichoribates monticola* (Trägardh, 1902) **[Recent]** ..... Qt western Norway

293. *Trichoribates setiger* (Trägardh, 1910) **[Recent]** ..... Qt western Norway

294. *Trichoribates trimaculatus* (C. L. Koch, 1835)* **[Recent]** ..... Qt northern Europe

**CHAMOBATIDAE Thor, 1937** ..... **Paleogene – Recent**

***Chamobates* Hull, 1916** ..... **Paleogene – Recent**

295. *Chamobates borealis* (Trägardh, 1902) **[Recent]** ..... Qt western Norway

296. *Chamobates cuspidatus* (Michael, 1884) **[Recent]** ..... Qt Finland

297. *Chamobates difficilis* Sellnick, 1931 ..... Pa Baltic amber

**EUZETIDAE Grandjean, 1954*b*** ..... **Quaternary – Recent**

***Euzetes* Berlese, 1908** ..... **Quaternary – Recent**

298. *Euzetes globulus* (Nicolet, 1855) **[Recent]** ..... Qt Finland

**HUMEROBATIDAE Grandjean, 1970** ..... **Recent**

no fossil record

**MYCOBATIDAE Grandjean, 1954*b*** ..... **Quaternary – Recent**

***Mycobates* Hull, 1916** ..... **Quaternary – Recent**

299. *Mycobates consimilis* Hammer, 1952 **[Recent]** ..... Qt Greenland

300. *Mycobates parmeliae* (Michael, 1884) **[Recent]** ..... Qt Karelia, Russia

301. *Mycobates sarekenis* (Trägårdh, 1910) **[Recent]** ..... Qt western Norway

***Punctoribates* Berlese, 1908** ..... **Quaternary – Recent**

302. *Punctoribates punctum* (C. L. Koch, 1839) **[Recent]** ..... Qt Karelia, Russia

303. *Punctoribates sellnicki* Willmann, 1928 **[Recent]** ..... Qt Europe

*Punctoribates* sp. *in* Karppinen & Koponen (1973) ..... Qt Finland

**ONYCHOBATIDAE Luxton, 1985** ..... **Recent**

no fossil record

**RAMSAYELLIDAE Luxton, 1985** ..... **Recent**

no fossil record

**ZETOMIMIDAE Shaldybina, 1966** ..... **Quaternary – Recent**

***Zetomimus* author, date?** ..... **Quaternary – Recent**

304. *Zetomimus furcatus* (Pearce & Warburton, 1906)* **[Recent]** ..... Qt Karelia, Russia

**GALUMNOIDEA Jacot, 1925** ..... **Palaeogene – Recent**

**GALUMNELLIDAE Piffl, 1970** ..... **Quaternary – Recent**

***Galumnella* Berlese, 1917** ..... **Quaternary – Recent**

*Galumnella* sp. *in* Aoki (1974) ..... Qt Mizunami copal

**GALUMNIDAE Jacot, 1925** ..... **Palaeogene – Recent**

Galumnidae spp. *in* Norton & Poinar (1993) ..... Pa Baltic amber

***Acrogalumna* Grandjean, 1956*b*** ..... **Quaternary – Recent**

305. *Acrogalumna longipluma* (Berlese, 1904)* **[Recent]** ..... Qt Karelia, Russia

***Galumna* von Heyden, 1826** ..... **Palaeogene – Recent**

306. *Galumna clavata* Sellnick, 1931 ..... Pa Baltic amber

307. *Galumna diversa* Sellnick, 1931 ..... Pa Baltic amber

308. *Galumna lanceata* (Oudemanns, 1900) **[Recent]** ..... Qt Karelia, Russia

309. *Galumna obvia* (Berlese, 1915) **[Recent]** ..... Qt Finland

*Galumna* sp. *in* Karppinen & Koponen (1974) ..... Qt Finland

***Pergalumna* Grandjean, 1936*b*** ..... **Quaternary – Recent**

310. *Pergalumna dorsalis* (C. L. Koch, 1835) **[Recent]** ..... Qt Finland

311. *Pergalumna nervosa* (Berlese, 1914)* **[Recent]** ..... Qt northern Europe

***Pilogalumna* Grandjean, 1956*b*** ..... **Quaternary – Recent**

312. *Pilogalumna tenuiclava* (Berlese, 1908) **[Recent]** ..... Qt Germany

## ASTIGMATA G. Canestrini, 1891 (cohort) ..... Palaeogene – Recent

= ACARIDIDA author, date?

**SCHIZOGLYPHOIDEA Mahunka, 1978** ..... **Recent**

**SCHIZOGLYPHIDAE Mahunka, 1978** ..... **Recent**

no fossil record

**HISTIOSTOMATOIDEA Berlese, 1897** ..... **?Palaeogene – Recent**

**GUANOLICHIDAE Fain, 1968** ..... **Recent**

no fossil record

**HISTIOSTOMATIDAE Berlese, 1897** ..... **?Palaeogene – Recent**

Hististomatidae? [alternatively Acaridae] *in* Dunlop *et al*. (2012) ..... Pa Baltic amber

**CANESTRINIOIDEA Berlese, 1884** ..... **Recent**

**CANESTRINIIDAE Berlese, 1884** ..... **Recent**

no fossil record

**CHETOCHELACARIDAE Fain, 1987** ..... **Recent**

no fossil record

**HETEROCOPTIDAE Fain, 1967*b*** ..... **Recent**

no fossil record

**LEMANNIELLIDAE Wurst, 2001** ..... **Recent**

no fossil record

**Superfamily?**

[NB: Sidorchuk & Klimov (2011) discussed the problems in placing this extinct family.]

† **GLAESACARIDAE Klimov & Sidorchuk *in* Sidorchuk & Klimov, 2011** ..... **Palaeogene**

† ***Glaesacarus* Klimov & Sidorchuk *in* Sidorchuk & Klimov, 2011** ..... **Palaeogene – Recent**

313. *Glaesacarus rhombeus* (C. L. Koch & Berendt, 1854)* ..... Pa Baltic amber

**HEMISCARPOCTOIDEA Oudemans, 1908** ..... **Neogene – Recent**

**ALGOPHAGIDAE Fain, 1974** ..... **Recent**

no fossil record

**CARPOGLYPHIDAE Oudemans, 1923** ..... **Recent**

no fossil record

**CHAETODACTYLIDAE Zachvatkin, 1941** ..... **Recent**

no fossil record

**HEMISARCOPTIDAE Oudemans, 1908** ..... **Recent**

no fossil record

**HYADESIIDAE Halbert, 1915** ..... **Recent**

no fossil record

**MELIPONOCOPTIDAE Fain & Rosa, 1983** ..... **Recent**

no fossil record

**WINTERSCHMIDTIIDAE Oudemans, 1923** ..... **Neogene – Recent**

† ***Amphicalvolia* Türk, 1963** ..... **Neogene – Recent**

314. *Amphicalvolia hurdi* Türk, 1963* ..... Ne Chiapas amber

**GLYCOPHAGOIDEA Berlese, 1897** ..... **Recent**

**AEROGLYPHIDAE Zachvatkin, 1941** ..... **Recent**

no fossil record

**CHORTOGLYPHIDAE Berlese, 1897** ..... **Recent**

no fossil record

**ECHIMYOPODIDAE Fain, 1967*a*** ..... **Recent**

no fossil record

**EUGLYCYPHAGIDAE Fain & Phillips, 1977** ..... **Recent**

no fossil record

**GLYCYPHAGIDAE Berlese, 1897** ..... **Recent**

no fossil record

**PEDETOPODIDAE Fain, 1969** ..... **Recent**

no fossil record

**ROSENSTEINIIDAE Coorman, 1954** ..... **Recent**

= LOPHONOTACARIDAE Fain, 1987

= TROGLOTACARIDAE Fain, 1977

no fossil record

**ACAROIDEA Latreille, 1802** ..... **Neogene – Recent**

**ACARIDAE Latreille, 1802** ..... **Recent**

[query family placement?]

† ***Tyroglyphites*** **Pampaloni, 1902** ..... **Neogene – Recent**

315. *Tyroglyphites miocenicus* Pampaloni, 1902* ..... Ne Sicily

**GAUDIELLIDAE Atyeo *et al*., 1974** ..... **Recent**

= PARTAMONACOPTIDAE author, date?

= PLATYGLYPHIDAE Kurosa, 1976

no fossil record

**GLYCACARIDAE Griffiths, 1977** ..... **Recent**

no fossil record

**LARDOGLYPHIDAE Oudemans, 1877** ..... **Recent**

no fossil record

**SAPRACARIDAE Fain, 1988** ..... **Recent**

no fossil record

**SCATOGLYPHIDAE Zachvatkin & Volgin, 1956** ..... **Recent**

no fossil record

**SUIDASIIDAE Hughes, 1948** ..... **Recent**

no fossil record

**TYROGLYPHIDAE Donnadieu, 1868** ..... **Quaternary – Recent**

Tyroglyphidae sp. *in* Aoki (1974) ..... Qt Mizunami copal

**HYPODERATOIDEA Murray, 1877** ..... **Recent**

**HYPODERATIDAE Murray, 1877** ..... **Recent**

no fossil record

**PSOROPTIDIA Yunker, 1955 (unranked clade)** ..... **Neogene – Recent**

**PTEROLICHOIDEA Trouessart & Mégnin, 1884** ..... **Recent**

= FREYANOIDEA Dubinin, 1953

**ASCOURACARIDAE Gaud & Atyeo, 1976** ..... **Recent**

no fossil record

**CAUDIFERIDAE Gaud & Atyeo, 1978** ..... **Recent**

no fossil record

**CHEYLABIDIDAE Gaud, 1983** ..... **Recent**

no fossil record

**CRYPTUROPTIDAE Gaud, Atyeo & Berla, 1972** ..... **Recent**

no fossil record

**EUSTATHIIDAE Oudemans, 1905** ..... **Recent**

no fossil record

**FALCULIFERIDAE Oudemans, 1905** ..... **Recent**

no fossil record

**FREYANIDAE Dubinin, 1953** ..... **Recent**

no fossil record

**GABUCINIIDAE Gaud & Atyeo, 1975** ..... **Recent**

no fossil record

**KIWILICHIDAE Dabert, 1994** ..... **Recent**

no fossil record

**KRAMERELLIDAE Gaud & Mouchet, 1961** ..... **Recent**

no fossil record

**OCHROLICHIDAE Gaud & Atyeo, 1978** ..... **Recent**

no fossil record

**OCONNORIIDAE Gaud, Atyeo & Klompen, 1989** ..... **Recent**

no fossil record

**PTEROLICHIDAE Trouessart & Mégnin, 1884** ..... **Recent**

no fossil record

**PTILOXENIDAE Gaud, 1982** ..... **Recent**

no fossil record

**RECTIJANUIDAE Gaud, 1961** ..... **Recent**

no fossil record

**SYRINGOBIIDAE Trouessart, 1897** ..... **Recent**

no fossil record

**THORACOSATHESIDAE Gaud & Mouchet, 1959** ..... **Recent**

no fossil record

**VEXILLARIIDAE Gaud & Mouchet, 1959** ..... **Recent**

no fossil record

**ANALGOIDEA Trouessart & Mégnin, 1884**..... **Recent**

**ALLOPTIDAE Gaud, 1957** ..... **Recent**

no fossil record

**ANALGIDAE Trouessart & Mégnin, 1884**..... **Recent**

no fossil record

**APIONACARIDAE Gaud & Atyeo, 1977** ..... **Recent**

no fossil record

**AVENZOARIIDAE Oudemans, 1905** ..... **Recent**

no fossil record

**CYTODITIDAE Oudemans, 1908** ..... **Recent**

no fossil record

**DERMATIONIDAE Fain, 1965** ..... **Recent**

no fossil record

**DERMOGLYPHIDAE Mégnin & Trouessart, 1884** ..... **Recent**

no fossil record

**EPIDERMOPTIDAE Trouessart, 1892** ..... **Recent**

no fossil record

**GAUDOGLYPHIDAE Bruce & Johnston, 1976** ..... **Recent**

no fossil record

**HETEROPSORIDAE Oudemans, 1908** ..... **Recent**

no fossil record

**KNEMIDOKOPTIDAE Dubinin, 1953** ..... **Recent**

no fossil record

**LAMINOSIOPTIDAE Vitzthum, 1931** ..... **Recent**

no fossil record

**PROCTOPHYLLODIDAE Mégnin & Trouessart, 1884** ..... **Recent**

no fossil record

**PSORALGIDAE Oudemans, 1908** ..... **Recent**

no fossil record

**PSOROPTOIDIDAE Gaud, 1983** ..... **Recent**

no fossil record

**PTERONYSSIDAE Oudemanns, 1941**..... **Recent**

no fossil record

**PTYSSALGIDAE Atyeo & Gaud, 1979** ..... **Recent**

no fossil record

**PYROGLYPHIDAE Cunliffe, 1958** ..... **Recent**

no fossil record

**TARSOCHEYLIDAE Atyeo & Gaud, 1979** ..... **Recent**

no fossil record

**THYSANOCERCIDAE Atyeo & Peterson, 1972** ..... **Recent**

no fossil record

**TROUESSARTIIDAE Gaud, 1957** ..... **Recent**

no fossil record

**TURBINOPTIDAE Fain, 1957** ..... **Recent**

no fossil record

**XOLALGIDAE Dubinin, 1953** ..... **Recent**

no fossil record

**SARCOPTOIDEA Murray, 1877** ..... **Neogene–Recent**

= PSOROPTIOIDEA Canestrini, 1892

**ACAROPTIDAE Womersley, 1953** ..... **Recent**

no fossil record

**ATOPOMELIDAE Gunter, 1942** ..... **Neogene–Recent**

?Apotomelidae sp. [originally as Listrophoridae in Poinar 1988] ..... Ne Dominican amber

**AUDYCOPTIDAE Lavoipierre, 1964** ..... **Recent**

no fossil record

**CHIRODISCIDAE Trouessart, 1892** ..... **Recent**

no fossil record

**CHIRORHYNCHOBIIDAE Fain, 1967** ..... **Recent**

no fossil record

**GALAGALIDAE Fain, 1963** ..... **Recent**

no fossil record

**GASTRONYSSIDAE Fain, 1956** ..... **Recent**

no fossil record

**LEMURNYSIIDAE Fain, 1957** ..... **Recent**

no fossil record

**LISTROPHORIDAE Mégnin & Trouessart, 1884** ..... **Recent**

no fossil record

**LOBALGIDAE Fain, 1965** ..... **Recent**

no fossil record

**MYCOPTIDAE Gunther, 1942** ..... **Recent**

no fossil record

**PSOROPTIDAE Canestrini, 1892** ..... **Recent**

no fossil record

**PNEUMOCOPTIDAE Fain, 1957** ..... **Recent**

no fossil record

**RHYNCOPTIDAE Lawrence, 1956** ..... **Recent**

no fossil record

**SARCOPTIDAE Murray, 1877** ..... **Recent**

no fossil record

*NOMINA DUBIA*

1. *Acarus resinosus* Presl, 1822 ..... Pa Baltic amber
2. *Strieremaeus cordiformatus* Sellnick, 1919 [as *species inquirenda*] ..... Pa Baltic amber

*NOMINA NUDA*

1. *Erythraeus hirsutissimus* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber
2. *Gymnodamaeus kulczynskii* Petrunkevitch, 1955*a* ..... Pa Baltic amber
3. *Trombidium fossile* Keferstein, 1834 ..... Pa Aix-en-Provence?

MISIDENTIFICATIONS

1. *Limnochares antiquus* Heyden, 1862 [larval hemipteran insect] ……..…Pa Rott, Germany

*NON* NAMES IN ZOOLOGY

Taxa assigned to living mite genera based on the fossil responses of plant tissue (galls); see discussion in Dunlop & Braddy (2011)

1. *Eriophyes daphnogene* Ambrus & Hably, 1979 [fossil gall] ……..…..... Pa Hungary
2. *Eryophies* [*sic*] *vilarrubiae* Villalta, 1957 [fossil gall] ……..…..... Ne Spain
3. *Phytopus antiquus* van Heyden, 1860 [fossil gall] …….....….... Ne Rott, Germany

*c*. 36,900 Recent species according to Hallan (2004)

# RICINULEI

22 currently valid species of fossil ricinuleid

**RICINULEI Thorell, 1876*c*** ..... **Carbon. – Recent**

= RHINOGASTRA Cook, 1899

= PODOGONA Cook, 1899

† **PRIMORICINULEI Wunderlich, 2015*c* (suborder)** ..... **Cretaceous**

† **PRIMORICINULEIDAE Wunderlich, 2015*c*** ..... **Cretaceous**

† ***Primoricinuleus* Wunderlich, 2015*c*** ..... **Cretaceous**

1. *Primoricinuleus pugio* Wunderlich, 2015*c** ..... K Burmese amber

† **HIRSUTISOMIDAE Wunderlich, 2017*b*** ..... **Cretaceous**

† ***Hirsutisoma* Wunderlich, 2017*b*** ..... **Cretaceous**

2. *Hirsutisoma acutiformis* Wunderlich, 2017*b* ..... K Burmese amber
3. *Hirsutisoma bruckschi* Wunderlich, 2017*b** ..... K Burmese amber
4. *Hirsutisoma dentata* Wunderlich, 2017*b* ..... K Burmese amber

† **MONOOCULRCINULIDAE Wunderlich, 2017*b*** ..... **Cretaceous**

† ***Monooculricinuleus* Wunderlich, 2017*b*** ..... **Cretaceous**

5. *Monooculricinuleus incisus* Wunderlich, 2017*b** ..... K Burmese amber
6. *Monooculricinuleus semiglobosus* Wunderlich, 2017*b** ..... K Burmese amber

NB: These two species appear to be misidentified laniatorids (Opliones) from the family Sandokanidae

† **PALAEORICINULEI Selden, 1992 (suborder)** ..... **Carboniferous – ?Cret.**

NB: Wunderlich (2012*e*) treated Selden's two suborders as superfamilies.

Ricinulei indet. *in* Wunderlich (2012*e*) ..... K Burmese amber

† **CURCULIOIDIDAE Cockerell, 1916** ..... **Carboniferous**

† ***Amarixys* Selden, 1992** ..... **Carboniferous**

7. *Amarixys gracilis* (Petrunkevitch, 1945*a*) ..... C Mazon Creek
8. *Amarixys stellaris* Selden, 1992 ..... C Mazon Creek
9. *Amarixys sulcata* (Melander, 1903)* ..... C Mazon Creek

† ***Curculioides* Buckland, 1837** ..... **Carboniferous**

10. *Curculioides adompha* Brauckmann, 1987 ..... C Hagen-Vorhalle
11. *Curculioides ansticii* Buckland, 1837* ..... C Coalbrookdale
12. *Curculioides eltringhami* Petrunkevitch, 1949 ..... C Crawcrook
13. *Curculioides gigas* Selden, 1992 ..... C Mazon Creek
14. *Curculioides granulatus* Petrunkevitch, 1949 ..... C Ilkeston

15. *Curculioides mcluckiei* Selden, 1992 ..... C Mazon Creek
16. *Curculioides pococki* Selden, 1992 ..... C Coseley
17. *Curculioides scaber* (Scudder, 1890*b*) ..... C Mazon Creek

† **POLIOCHERIDAE Scudder, 1884** ..... **Carboniferous – ?Cret.**

† ***Poliochera* Scudder, 1884** ..... **Carboniferous – ?Cret.**

18. ?*Poliochera cretacea* Wunderlich, 2012*e* ..... K Burmese amber
19. *Poliochera gibbsi* Selden, 1992 ..... C Illinois
20. *Poliochera glabra* Petrunkevitch, 1913 ..... C Mazon Creek
21. *Poliochera punctulata* Scudder, 1884* ..... C Mazon Creek

† ***Terpsicroton* Selden, 1992** ..... **Carboniferous**

22. *Terpsicroton alticeps* Selden, 1992* ..... C Coseley

## NEORICINULEI Selden, 1992 (suborder) ..... Recent

**RICINOIDIDAE Ewing, 1929** ..... **Recent**

= CRYPTOSTEMMIDAE Westwood, 1874

no fossil record

*NOMINA DUBIA*

1. *Poliochera* / *Curculioides pustulatus* Laurentiaux-Viera & Laurentiaux, 1963 ..... C Kiaping

76 Recent species according to Fernández & Giribet (2015)

# ARACHNIDA and/or PANTETRAPULMONATA *incertae sedis*

4 currently valid, unplaced fossil arachnid and/or tetrapulmonate species

- all four species below have been suggested as possible members of the so-called pantetrapulmonate arachnids; i.e. spiders and their closest relatives
- *Idmonarachne* was specifically proposed as a putative sister-group to spiders

† ***Ecchosis*** **Selden & Shear, 1991** ..... **Devonian**

1. *Ecchosis pulchribothrium* Selden & Shear *in* Selden *et al*. 1991* ..... D Gilboa

† ***Idmonarachne*** **Garwood, Dunlop, Selden, Spencer, Atwood, Vo & Drakopoulos, 2016** ..... **Devonian**

2. *Idmonarachne brasieri* Garwood, Dunlop, Selden, Spencer, Atwood, Vo & Drakopoulos, 2016* ..... C Montceau-les-Mines

† ***Saccogulus*** **Dunlop, Fayers, Hass & Kerp, 2006** ..... **Devonian**

3. *Saccogulus seldeni* Dunlop, Fayers, Hass & Kerp, 2006* ..... D Rhynie chert

† ***Xenarachne*** **Dunlop & Poschmann, 1997** ..... **Devonian**

4. *Xenarachne wilwerathensis* Dunlop & Poschmann, 1997* ..... D Willwerath

no Recent species

# TRIGONOTARBIDA

70 currently valid species of fossil trigonotarbid

† **TRIGONOTARBIDA Petrunkevitch, 1949** ..... **Silurian – Permian**

= ANTHRACOMARTI Karsch, 1882

= MERIDOGASTRA Thorell & Lindström, 1885

= EURYMARTI Matthew, 1895

**plesion genus**

† ***Palaeotarbus*** **Dunlop, 1999** ..... **Silurian**

= † *Eotarbus* Dunlop, 1996 [preoccupied]

1. *Palaeotarbus jerami* (Dunlop, 1996)* ..... S Ludford Lane

† **PALAEOCHARINIDAE Hirst, 1923** ..... **Devonian**

† ***Aculeatarbus*** **Shear, Selden & Rolfe, 1987** ..... **Devonian**

2. *Aculeatarbus depressus* Shear, Selden & Rolfe, 1987* ..... D Gilboa

† ***Gelasinotarbus*** **Shear, Selden & Rolfe, 1987** ..... **Devonian**

3. *Gelasinotarbus bifidus* Shear, Selden & Rolfe, 1987 ..... D Gilboa
4. *Gelasinotarbus bonamoae* Shear, Selden & Rolfe, 1987* ..... D Gilboa
5. *Gelasinotarbus heptops* Shear, Selden & Rolfe, 1987 ..... D Gilboa
6. *Gelasinotarbus reticulatus* Shear, Selden & Rolfe, 1987 ..... D Gilboa

† ***Gigantocharinus*** **Shear, 2000** ..... **Devonian**

7. *Gigantocharinus szatmaryi* Shear, 2000* ..... D Red Hill, USA

† ***Gilboarachne*** **Shear, Selden & Rolfe, 1987** ..... **Devonian**

8. *Gilboarachne griersoni* Shear, Selden & Rolfe, 1987* ..... D Gilboa

† ***Palaeocharinus*** **Hirst, 1923** ..... **Devonian**

= † *Palaeocharinoides* Hirst, 1923

9. *Palaeocharinus calmani* Hirst, 1923 ..... D Rhynie cherts
10. *Palaeocharinus hornei* (Hirst, 1923) ..... D Rhynie cherts
11. *Palaeocharinus kidstoni* Hirst, 1923 ..... D Rhynie cherts
12. *Palaeocharinus rhyniensis* Hirst, 1923* ..... D Rhynie cherts
13. *Palaeocharinus scourfieldi* Hirst, 1923 ..... D Rhynie cherts
14. *Palaeocharinus tuberculatus* Fayers, Dunlop & Trewin, 2005 ..... D Rhynie cherts

† ***Spinocharinus*** **Poschmann & Dunlop, 2011** ..... **Devonian**

15. *Spinocharinus steinmeyeri* Poschman & Dunlop, 2011* ..... D Bürdenbach

† **ARCHAEOMARTIDAE Poschmann & Dunlop, 2010** ..... **Devonian**

† ***Archaeomartus*** **Størmer, 1970** ..... **Devonian**

16. *Archaeomartus levis* Størmer, 1970* ..... D Alken an der Mosel
    i. = *Archaeomartus tuberculatus* Størmer, 1970 ..... D Alken an der Mosel

† **ANTHRACOMARTIDAE Haase, 1890** ..... **Carboniferous**

= † PROMYGALIDAE Frič, 1904

= † BRACHYPYGIDAE Pocock, 1911

= † CORYPHOMARTIDAE Petrunkevitch, 1945

= † PLEOMARTIDAE Petrunkevitch, 1945

† ***Anthracomartus*** **Karsch, 1882** ..... **Carboniferous**

= † *Brachylycosa* Frič, 1904

= † *Cleptomartus* Petrunkevitch, 1949

= † *Coryphomartus* Petrunkevitch, 1945*a*

= † *Cryptomartus* Petrunkevitch, 1945*a*

= † *Oomartus* Petrunkevitch, 1953

= † *Perneria* Frič, 1904

= † *Pleomartus* Petrunkevitch, 1945*a*

= † *Promygale* Frič, 1901

17. *Anthracomartus bohemica* (Frič, 1901) ..... C Nýřany
18. *Anthracomartus carcinoides* (Frič, 1901) ..... C Nýřany
    i. = *Promygale rotundata* Frič, 1901 ..... C Nýřany
    ii. = *Perneria salticoides* Frič, 1904 ..... C ?Nýřany
19. *Anthracomartus elegans* Frič, 1901 ..... C Nýřany
20. *Anthracomartus hindi* Pocock, 1911 ..... C Coseley
    i. = *Cleptomartus hangardi* Guthörl, 1965 ..... C Saar, Germany
    ii. = *Cryptomartus meyeri* Guthörl, 1964 ..... C Aachen
    iii. = *Cleptomartus planus* Petrunkevitch, 1949 ..... C Coseley
    iv. = *Cryptomartus rebskei* Brauckmann, 1984 ..... C Saarbrücken
21. *Anthracomartus granulatus* Frič, 1904 ..... C Nowa Ruda
22. *Anthracomartus janae* (Opluštil, 1986) ..... C Kladno
23. *Anthracomartus kustae* Petrunkevitch, 1953 ..... C Rakovník
24. *Anthracomartus minor* Kušta, 1884 ..... C Rakovník
    i. = *Anthracomartus socius* Kušta, 1888 ..... C Rakovník
25. *Anthracomartus nyranensis* (Petrunkevitch, 1953) ..... C Nýřany
26. *Anthracomartus palatinus* Ammon, 1901 ..... C Brücken, Germany
27. *Anthracomartus preisti* Pocock, 1911 ..... C Coseley
    i. = *Anthracomartus denuiti* Pruvost, 1922 ..... C Charleroi
    ii. = *Cleptomartus plautus* Petrunkevitch, 1949 ..... C Coseley
28. *Anthracomartus radvanicensis* (Opluštil, 1985) ..... C Radvanice
29. *Anthracomartus triangularis* Petrunkevitch, 1913 ..... C Joggins
30. *Anthracomartus trilobitus* Scudder, 1884 ..... C Fayetteville
31. *Anthracomartus voelkelianus* Karsch, 1882* ..... C Europe

    *Anthracomartus* sp. *in* Wright & Selden (2011) ..... C Kansas

† ***Brachypyge*** **Woodward, 1878*b*** ..... **Carboniferous**

32. *Brachypyge carbonis* Woodward, 1878*b** ..... C Mons

† ***Maiocercus*** **Pocock, 1911** ..... **Carboniferous**

33. *Maiocercus celticus* (Pocock, 1902)* ..... C Coal Measures

i. = *Maiocercus orbicularis* Gill, 1911 ..... C Westhoughton

† **ANTHRACOSIRONIDAE Pocock, 1903*a*** ..... **Devonian – Carbon.**

† ***Anthracosiro*** **Pocock, 1903*a*** ..... **Carboniferous**

34. *Anthracosiro fritschii* Pocock, 1903*b* ..... C Coseley

i. = *Anthracosiro elongatus* Waterlot, 1934 ..... C Marlebach, France

35. *Anthracosiro woodwardi* Pocock, 1903*a** ..... C Coal Measues

i. = *Anthracosiro corsini* Pruvost, 1926 ..... C Noeux, France

ii. = *Anthracosiro latipes* Gill, 1909 ..... C Ryton-on-Tyne, UK

† ***Arianrhoda*** **Dunlop & Selden, 2004** ..... **Devonian**

36. *Arianrhoda bennetti* Dunlop & Selden, 2004* ..... D Tredomen

† ***Vratislavia*** **Frič, 1904** ..... **Carboniferous**

37. *Vratislavia silesica* (Roemer, 1878)* ..... C Silesia

† **TRIGONOTARBIDAE Petrunkevitch, 1949** ..... **Devonian – Carbon.**

† ***Trigonotarbus*** **Pocock, 1911** ..... **Devonian – Carbon.**

38. *Trigonotarbus arnoldi* Petrunkevitch, 1955*b* ..... C Decazeville

39. *Trigonotarbus johnsoni* Pocock, 1911* ..... C Coseley

40. *Trigonotarbus stoermeri* Schultka, 1991 ..... D Rheinischen Schief.

**Family uncertain**

† ***Aenigmatarbus*** **Poschmann, Dunlop, Bértoux & Galtier, 2016** ..... **Carboniferous**

41. *Aenigmatarbus rastelli* Poschmann, Dunlop, Bértoux & Galtier, 2016* .. C Graissessac, France

† ***Namurotarbus*** **Poschmann & Dunlop, 2010** ..... **Carboniferous**

42. *Namurotarbus roessleri* (Dunlop & Brauckmann, 2006)* ..... C Hagen-Vorhalle

† ***Permotarbus*** **Dunlop & Rößler, 2013** ..... **Permian**

43. *Permotarbus schuberti* Dunlop & Rößler, 2013 ..... P Chemnitz

† ***Tynecotarbus*** **Hradská & Dunlop, 2013** ..... **Carboniferous**

44. *Tynecotarbus tichaveki* Hradská & Dunlop, 2013 ..... C Týnec

† **LISSOMARTIDAE Dunlop, 1995** ..... **Carboniferous**

† ***Lissomartus*** **Petrunkevitch, 1949** ..... **Carboniferous**

45. *Lissomartus carbonarius* (Petrunkevitch, 1913) ..... C Mazon Creek

46. *Lissomartus schucherti* (Petrunkevitch, 1913)* ..... C Mazon Creek

† **APHANTOMARTIDAE Petrunkevitch, 1945*a*** ..... **Devonian – Permian**

= † TRIGONOMARTIDAE Petrunkevitch, 1949

† ***Alkenia*** **Størmer, 1970** ..... **Devonian**

47. *Alkenia mirabilis* Størmer, 1970* ..... D Alken an der Mosel

† ***Aphantomartus*** **Pocock, 1911** ..... **Carbon. – Permian**

= † *Trigonomartus* Petrunkevitch, 1913

= † *Phrynomartus* Petrunkevitch, 1945*a*

48. *Aphantomartus areolatus* Pocock, 1911* ..... C–P Coal Measues
    i. = *Aphantomartus pococki* Pruvost, 1912 ..... C Anzin, France
    ii. = *Trigonomartus dorlodoti* Pruvost, 1930 ..... C Rien, France
    iii. = *Eophrynus waechteri* Guthörl, 1938 ..... C Saar
    iv. = ?*Trigonomartus pruvosti* van der Heide, 1951 ..... C Limbourg
    v. = ?*Brachylycosa manebachensis* Müller, 1957 ..... C Rotliegenden
49. *Aphantomartus ilfeldicus* (Scharf, 1924) ..... P Rotliegend
50. *Aphantomartus pustulatus* (Scudder, 1884) ..... C Coal Measures
    i. = ?*Kreischeria villeti* Pruvost, 1912 ..... C Pas de Calais
    ii. = *Cleptomartus plötzensis* Simon, 1971 ..... C Halleschen Mulde

† **KREISCHERIIDAE Haase, 1890** ..... **Carboniferous**

† ***Anzinia* Petrunkevitch, 1953** ..... **Carboniferous**

51. *Anzinia thevenini* (Pruvost, 1919)* ..... C Anzin

† ***Gondwanarache* Pinto & Hünicken, 1980** ..... **Carboniferous**

52. *Gondwanarache argentinensis* Pinto & Hünicken, 1980* ..... C Bajo de Véliz

† ***Hemikreischeria* Frič, 1904** ..... **Carboniferous**

53. *Hemikreischeria geinitzi* (Thevenin, 1902)* ..... C France

† ***Kreischeria* Geinitz, 1882** ..... **Carboniferous**

54. *Kreischeria wiedei* Geinitz, 1882* ..... C Zwickau

† ***Pseudokreischeria* Petrunkevitch, 1953** ..... **Carboniferous**

55. *Pseudokreischeria pococki* (Gill, 1924) ..... C Crawcrook
    i. = *Eophrynus varius* Petrunkevitch, 1949 ..... C Crawcrook

† **EOPHRYNIDAE Karsch, 1882** ..... **Carboniferous**

= † HEMIPHRYNIDAE Frič, 1904

† ***Eophrynus* Woodward, 1871*b*** ..... **Carboniferous**

56. *Eophrynus prestvicii* (Buckland, 1837)* ..... C Coalbrookdale
57. *Eophrynus udus* Brauckmann, Koch & Kemper, 1985 ..... C Hagen-Vorhalle

† ***Nyranytarbus* Harvey & Selden, 1995** ..... **Carboniferous**

= † *Hemiphrynus* Frič, 1901 [preoccupied]

58. *Nyranytarbus hofmanni* (Frič, 1901) ..... C Nýřany
59. *Nyranytarbus longipes* (Frič, 1901)* ..... C Nýřany

† ***Petrovicia* Frič, 1904** ..... **Carboniferous**

60. *Petrovicia proditoria* Frič, 1904* ..... C Petrovice

† ***Planomartus* Petrunkevitch, 1953** ..... **Carboniferous**

61. *Planomartus krejcii* (Kušta, 1883)* ..... C Rakovník
    i. = *Anthracomartus affinis* Kušta, 1885 ..... C Rakovník

† ***Pleophrynus* Petrunkevitch, 1945*a*** ..... **Carboniferous**

62. *Pleophrynus verrucosus* (Pocock, 1911) ..... C Coal Measures

i. = *Eophrynus warei* Dix & Pringle, 1930 ..... C Glyncoch, UK
ii. = *Pleophrynus ensifer* Petrunkevitch, 1945*a** ..... C Mazon Creek
iii. = *Eophrynus jugatus* Ambrose & Romano, 1972 ..... C Kilmersdon, UK

63. *Pleophrynus hawsei* Dunlop, Wang, Selden & Krautz, 2014..... C Kinney Brick Quarry

† ***Pocononia*** **Petrunkevitch, 1953** ..... **Carboniferous**

64. *Pocononia whitei* (Ewing, 1930)* ..... C Pocono Shales

† ***Somaspidion*** **Jux, 1982** ..... **Carboniferous**

65. *Somaspidion hammapheron* Jux, 1982* ..... C Dinslaken

† ***Stenotrogulus*** **Frič, 1904** ..... **Carboniferous**

= † *Cyclotrogulus* Frič, 1904
= † *Pseudoeophrynus* Příbyl, 1958

66. *Stenotrogulus salmii* (Stur, 1877)* ..... C Ostrava
i. = *Cyclotrogulus sturii* Frič, 1904 [*non* Hasse, 1890] ..... C Ostrava
ii. = *Pseudoeophrynus ostraviensis* Příbyl, 1958 ..... C Ostrava

TRIGONOTARBIDA *incertae sedis*

† ***Anthracophrynus*** **Andrée, 1913** ..... **Carboniferous**

67. *Anthracophrynus tuberculatus* Andrée, 1913* ..... C Dudweiler

† ***Areomartus*** **Petrunkevitch, 1913** ..... **Carboniferous**

68. *Areomartus ovatus* Petrunkevitch, 1913* ..... C West Virginia

† **‘*Eophrynus*’**

69. ‘*Eophrynus*’ *scharfi* Scharf, 1924 ..... P Rotliegend

† ***Aphantomartus*** **Pocock, 1911** ..... **Carboniferous**

70. *Aphantomartus woodruffi* (Scudder, 1893) ..... C Rhode Island
[as*Trigonomartus*]

*NOMINA DUBIA*

1. *Anthracomartus buchi* (Goldenberg, 1873) ..... C Saarbrücken
2. *Anthracomartus hageni* (Goldenberg, 1873) ..... C Saarbrücken
3. *Elaverimartus pococki* Petrunkevitch, 1953 ..... C Ellismuir
i. = *Palaeophalangium Scoticum* Peach *in* Murdoch, 1893 [*nomen nudum*]
4. *Eurymartus latus* Matthew, 1895 ..... C Fern Ledges
5. ?*Eurymartus spinulosus* Matthew, 1895 ..... C Fern Ledges

no Recent species

# URARANEIDA

2 currently valid species of uraraneid

- The uraraneids were previously interpreted as true spiders (Araneae), but are now thought to be a more basal lineage which produced silk but lacked spinnerets.
- Wunderlich (2015*b*) suggested that Uraraneida should be treated as suborder of Araneae, alongside an Araneida group for all true spiders.

† **URARANEIDA Selden & Shear *in* Selden *et al*., 2008** ..... **Devonian – Permian**

**FAMILY UNCERTAIN**

† ***Attercopus* Selden & Shear *in* Selden *et al*. (1991)** ..... **Devonian**

1. *Attercopus fimbriunguis* (Shear, Selden & Rolfe, 1987)* ..... D Gilboa, New York

† **PERMARACHNIDAE Eskov & Selden, 2005** ..... **Permian**

† ***Permarachne* Eskov & Selden, 2005** ..... **Permian**

2. *Permarachne novokshonovi* Eskov & Selden, 2005* ..... P Matveyevka

# ARANEAE

1,342 currently valid species of fossil spider

**ARANEAE Clerck, 1757** ..... **Carbon. – Recent**

**'mesotheles'** ..... **Carbon. – Recent**

† **ARTHROLYCOSIDAE Frič, 1904** ..... **Carboniferous**

† ***Arthrolycosa*** **Harger, 1874** ..... **Carbon. – Permian**

1. *Arthrolycosa antiqua* Harger, 1874* ..... C Mazon Creek
2. *Arthrolycosa danielsi* Petrunkevitch, 1913 ..... C Mazon Creek

*Arthrolycosa* sp. *in* Eskov & Selden (2005) ..... P Kityak river

*Arthrolycosa* sp. *in* Selden *et al*. (2014) ..... C Chunya, Russia

*Arthrolycosa* sp. *in* Selden *et al*. (2014) ..... C Donets Basin

† ***Eocteniza*** **Pocock, 1911** ..... **Carboniferous**

3. *Eocteniza silvicola* Pocock, 1911* ..... C Coseley

† **ARTHROMYGALIDAE Petrunkevitch, 1923** ..... **Carboniferous**

† ***Arthromygale*** **Petrunkevitch, 1923** ..... **Carboniferous**

4. *Arthromygale fortis* (Frič, 1904)* ..... C Rakovník

i. = *Arthrolycosa beecheri* Frič, 1904 ..... C Rakovník

† ***Eolycosa*** **Kušta, 1885** ..... **Carboniferous**

5. *Eolycosa lorenzi* Kušta, 1885* ..... C Rakovník

† ***Geralycosa*** **Kušta, 1888** ..... **Carboniferous**

6. *Geralycosa fritschi* Kušta, 1888* ..... C Rakovník

† ***Kustaria*** **Petrunkevitch, 1953** ..... **Carboniferous**

= † *Scudderia* Kušta, 1888 [preoccupied]

7. *Kustaria carbonaria* (Kušta, 1888)* ..... C Rakovník

† ***Palaranea*** **Frič, 1873** ..... **Carboniferous**

8. *Palaranea borassifoliae* Frič, 1873* ..... C Czech Republic

† ***Protocteniza*** **Petrunkevitch, 1949** ..... **Carboniferous**

9. *Protocteniza britannica* Petrunkevitch, 1949* ..... C Coseley

† ***Protolycosa*** **Roemer, 1866** ..... **Carboniferous**

10. *Protolycosa anthracophilia* Roemer, 1866* ..... C Silesia
11. *Protolycosa cebennensis* Laurentiaux-Viera & Laurentiaux, 1963 ..... C Cévennes, France

† ***Rakovnicia*** **Kušta, 1884*a*** ..... **Carboniferous**

12. *Rakovnicia antiqua* Kušta, 1884*a** ..... C Rakovník

† **PYRITARANEIDAE Petrunkevitch, 1953** ..... **Carboniferous**

† ***Dinopilio*** **Frič, 1904** ..... **Carboniferous**

13. *Dinopilio gigas* Frič, 1904* ..... C Rakovník

14. *Dinopilo parvus* Petrunkevitch, 1953 ..... C Kent, UK

† ***Pyritaranea*** **Frič, 1901** ..... **Carboniferous**

15. *Pyritaranea tubifera* Frič, 1901* ..... C Nýřany

## MESOTHELAE Pocock, 1892 ..... Carbon. – Recent

Mesothelae indet. *in* Wunderlich (2017*c*) ..... K Burmese amber

**plesion genus**

† ***Palaeothele*** **Selden, 2000** ..... **Carboniferous**

= † *Eothele* Selden, 1996 [preoccupied]

16. *Palaeothele montceauensis* (Selden, 1996)* ..... C Montceau-les-Mines

† **BURMATHELIDAE Wunderlich, 2017*c*** ..... **Cretaceous**

† ***Burmathele*** **Wunderlich, 2015*b*** ..... **Cretaceous**

17. *Burmathele biseriata* Wunderlich, 2017*c** ..... K Burmese amber

*Burmathele* sp. indet. *in* Wunderlich (2017*c*) ..... K Burmese amber

† **CRETACEOTHELIDAE Wunderlich, 2017*c*** ..... **Cretaceous**

† ***Cretaceothele*** **Wunderlich, 2015*b*** ..... **Cretaceous**

18. *Cretaceothele lata* Wunderlich, 2015*b** ..... K Burmese amber

† **PARVITHELIDAE Wunderlich, 2017*c*** ..... **Cretaceous**

† ***Parvithele*** **Wunderlich, 2017*c*** ..... **Cretaceous**

19. *Parvithele muelleri* Wunderlich, 2017*c** ..... K Burmese amber

20. *Parvithele spinipes* Wunderlich, 2017*c* ..... K Burmese amber

† ***Pulvillothele*** **Wunderlich, 2017*c*** ..... **Cretaceous**

21. *Pulvillothele haupti* Wunderlich, 2017*c** ..... K Burmese amber

**LIPHISTIIDAE Pocock, 1892** ..... **Recent**

= HEPTATHELIDAE Haupt, 1983

no fossil record

## OPISTHOTHELAE Pocock, 1892 ..... Triassic – Recent

**Opisthothelae *incertae sedis***

† ***Eoatypus*** **McCook, 1888** ..... **Palaeogene**

22. *Eoatypus woodwardii* McCook, 1888* ..... Pa Isle of Wight

## MYGALOMORPHAE Pocock, 1892 ..... Triassic – Recent

Mygalomorpha indet. 1–3 *in* Wunderlich (2008*d*) ..... K Burmese amber

Mygalomorpha indet. 1–2 *in* Wunderlich (2015*b*) ..... K Burmese amber

Mygalomorpha indet. 1–2 *in* Wunderlich (2017*c*) ..... K Burmese amber

**ATYPOIDEA Thorell, 1870*a*** ..... **Triassic – Recent**

† ***Friularachne* Dalla Vecchia & Selden, 2013** ..... **Triassic**

23. *Friularachne rigoi* Dalla Vecchia & Selden, 2013* ..... Tr Friurli, Italy

**ATYPIDAE Thorell, 1870*a*** ..... **Cretaceous – Recent**

= CALOMMATOIDAE Thorell, 1887

?Atypidae indet. *In* Wunderlich, 2015*b* ..... K Burmese amber

† ***Ambiortiphagus* Eskov & Zonstein, 1990** ..... **Cretaceous**

24. *Ambiortiphagus ponomarenkoi* Eskov & Zonstein, 1990* ..... K Central Mongolia

† ***Balticatypus* Wunderlich, 2011*h*** ..... **Palaeogene**

25. *Balticatypus beigeli* Wunderlich, 2011*h* ..... Pa Baltic amber

26. *Balticatypus juvenis* Wunderlich, 2011*h** ..... Pa Baltic amber

27. *Balticatypus spinosus* Wunderlich, 2011*h* ..... Pa Baltic amber

**ANTRODIAETIDAE Gertsch *in* Comstock, 1940** ..... **Cretaceous – Recent**

= BRACHYBOTHRIDAE Simon, 1892

= ACCATYMIDAE Kishida, 1930

† ***Cretacattyma* Eskov & Zonstein, 1990** ..... **Cretaceous**

28. *Cretacattyma raveni* Eskov & Zonstein, 1990* ..... K Central Mongolia

**MECICOBOTHRIIDAE Holmberg, 1882** ..... **Cretaceous – Recent**

= HEXURIDAE Simon, 1889*b*

† ***Cretohexura* Eskov & Zonstein, 1990** ..... **Cretaceous**

29. *Cretohexura coylei* Eskov & Zonstein, 1990* ..... K Transbaikalia

† ***Cretomegahexura* Eskov & Zonstein, 1990** ..... **Cretaceous**

30. *Cretomegahexura platnicki* Eskov & Zonstein, 1990* ..... K Central Mongolia

**HEXATHELIDAE Simon, 1892*b*** ..... **Triassic – Recent**

† ***Alioatrx* Wunderlich, 2017*c*** ..... **Cretaceous**

31. *Alioatrax incertus* Wunderlich, 2017*c** ..... K Burmese amber

† ***Rosamygale* Selden & Gall, 1992** ..... **Triassic**

32. *Rosamygale grauvogeli* Selden & Gall, 1992* ..... Tr Vosges, France

**DIPLURIDAE Simon, 1889*b*** ..... **Triassic – Recent**

Dipluridae sp. 1–3 *in* Wunderlich (2004*a*) ..... Pa Baltic amber

Dipluridae sp. *in* Wunderlich (2004*a*) ..... Ne Dominican amber

Dipluridae indet. *in* Wunderlich (2012*d*) ..... K Burmese amber

Dipluridae indet. *in* Wunderlich (2015*b*) ..... K Burmese amber

† ***Cethegoides* Wunderlich, 2017*c*** ..... **Cretaceous**

33. *Cethegoides patricki* Wunderlich, 2017*c** ..... Pa Baltic / Bitt. amber

† ***Clostes* Menge, 1869** ..... **Palaeogene**

34. *Clostes priscus* Menge, 1869* ..... Pa Baltic / Bitt. amber

† ***Cretadiplura*** **Selden *in* Selden *et al*., 2006** ..... **Cretaceous**

35. *Cretadiplura ceara* Selden *in* Selden *et al*., 2006* ..... K Crato Formation

† ***Dinodiplura*** **Selden *in* Selden *et al*., 2006** ..... **Cretaceous**

36. *Dinodiplura ambulacra* Selden *in* Selden *et al*., 2006* ..... K Crato Formation

† ***Edwa*** **Raven, Jell & Knezour, 2015** ..... **Triassic**

37. *Edwa maryae* Raven, Jell & Knezour, 2015* ..... Tr Qnslnd., Australia

***Ischnothele*** **Ausserer, 1875** ..... **?Neogene – Recent**

?*Ischnothele* sp. *in* Wunderlich (1988) ..... Ne Dominican amber

***Masteria*** **L. Koch, 1873** ..... **Neogene – Recent**

= † *Microsteria* Wunderlich, 1988

38. *Masteria sexoculata* (Wunderlich, 1988) ..... Ne Dominican amber

*?Masteria* sp. *in* Schawaller (1982*c*: as ?*Ischnothele*) ..... Ne Dominican amber

† ***Phyxioschemoides*** **Wunderlich, 2015*b*** ..... **Cretaceous**

39. *Phyxioschemoides collembola* Wunderlich, 2015*b** ..... K Burmese amber

† ***Seldischnoplura*** **Raven, Jell & Knezour, 2015** ..... **Cretaceous**

40. *Seldischnoplura seldeni* Raven, Jell & Knezour, 2015* ..... K Crato Formation

† **FOSSILCALCARIDAE Wunderlich, 2015*b*** ..... **Cretaceous**

† ***Fossilcalcar*** **Wunderlich, 2015*b*** ..... **Cretaceous**

41. *Fossilcalcar praeteritus* Wunderlich, 2015*b** ..... K Burmese amber

**CYRTAUCHENIIDAE Simon, 1892*b*** ..... **Neogene – Recent**

***Bolostromus*** **Ausserer, 1875** ..... **Neogene – Recent**

42. *Bolostromus destructus* Wunderlich, 1988 ..... Ne Dominican amber

**CTENIZIDAE Thorell, 1887** ..... **Palaeogene – Recent**

= HALONOPROCTIDAE Pocock, 1903

† ***Baltocteniza*** **Eskov & Zonstein, 2000** ..... **Palaeogene**

43. *Baltocteniza kulickae* Eskov & Zonstein, 2000 ..... Pa Baltic amber

† ***Electrocteniza*** **Eskov & Zonstein, 2000** ..... **Palaeogene**

44. *Electrocteniza sadilenkoi* Eskov & Zonstein, 2000 ..... Pa Baltic amber

***Ummidia*** **Thorell, 1875** ..... **Palaeogene – Recent**

45. *Ummidia damzeni* Wunderlich, 2000 ..... Pa Baltic amber

46. *Ummidia malinowskii* Wunderlich, 2000 ..... Pa Baltic amber

*Ummidia* sp. *in* Wunderlich (2004*a*) ..... Pa Baltic amber

*?Ummidia* sp. *in* Wunderlich (2011*h*) ..... Pa Baltic amber

**EUCTENIZIDAE Raven, 1985** ..... **Recent**

no fossil record

**IDIOPIDAE Simon, 1892*b*** ..... **Recent**

no fossil record

**ACTINOPODIDAE Simon, 1892*b*** ..... **Recent**

= ERIODONTIDAE C. L. Koch & Berendt, 1854

[based on a generic synonym; listed in Bonnet as syn. of Clubionidae!]

no fossil record

**MIGIDAE Simon, 1892*b*** ..... **Recent**

no fossil record

**NEMESIIDAE Simon, 1892*b*** ..... **Cretaceous – Recent**

= PYCNOTHELIDAE Chamberlin, 1917

† ***Cretamygale*** **Selden, 2002** ..... **Cretaceous**

47. *Cretamygale chasei* Selden, 2002* ..... K Isle of Wight

† ***Eodiplurina*** **Petrunkevitch, 1922** ..... **Palaeogene**

[NB: Selden (2001) questioned this familial placement based on claw structure]

48. *Eodiplurina cockerelli* Petrunkevitch, 1922* ..... Pa Florissant

**MICROSTIGMATIDAE Roewer, 1942** ..... **Neogene – Recent**

= MICROMYGALIDAE Wunderlich, 2004*b*

† ***Parvomygale*** **Wunderlich, 2004*b*** ..... **Neogene**

49. *Parvomygale distincta* Wunderlich, 2004*b** ..... Ne Dominican amber

**BARYCHELIDAE Simon, 1889*b*** ..... **Neogene – Recent**

***Psalistops*** **Simon, 1889*b*** ..... **Neogene – Recent**

50. *Psalistops hispaniolensis* Wunderlich, 1988* ..... Ne Dominican amber

**THERAPHOSIDAE Thorell, 1870*a*** ..... **Neogene – Recent**

= AVICULARIIDAE Simon, 1874

Theraphosidae gen. et sp. indet. *in* Dunlop *et al.* (2008) ..... Ne Chiapas amber

***Hemirraghus*** **Simon, 1903** ..... **Neogene – Recent**

*Hemirraghus* sp. *in* García-Villafuerte (2008) ..... Ne Chiapas amber

† ***Ischnocolinopsis*** **Wunderlich, 1988** ..... **Neogene**

51. *Ischnocolinopsis acutus* Wunderlich, 1988* ..... Ne Dominican amber

**PARATROPIDIDAE Simon, 1889*a*** ..... **Recent**

no fossil record

## ARANEOMORPHAE Smith, 1902 ..... Triassic – Recent

**ARANEOMORPHAE indet.**

† ***Argyrarachne*** **Selden *in* Selden *et al*., 1999** ..... **Triassic**

52. *Argyrarachne solitus* Selden *in* Selden *et al*., 1999* ..... Tr Virginia

† ***Triassaraneus*** **Selden *in* Selden *et al*., 1999** ..... **Triassic**

53. *Triassaraneus andersonorum* Selden *in* Selden *et al*., 1999* ..... Tr KwaZulu-Natal

**HYPOCHILIDAE Marx, 1888** ..... **Recent**

= ECTATOSTICTIDAE Lehtinen, 1967

no fossil record

**AUSTROCHILOIDEA Zapfe, 1955** ..... **Recent**

**AUSTROCHILIDAE Zapfe, 1955** ..... **Recent**

= THAIDIDAE Lehtinen, 1967

= HICKMANIIDAE Lehtinen, 1967

no fossil record

**GRADUNGULIDAE Forster, 1955** ..... **Recent**

no fossil record

**ARANEOCLADA Platnick, 1977** ..... **Triassic – Recent**

**HAPLOGYNAE Simon, 1893** ..... **Jurassic – Recent**

**FILISTATIDAE Ausserer, 1867** ..... **Neogene – Recent**

***Misionella* Ramírez & Grismado, 1997** ..... **Neogene – Recent**

54. *Misionella didicostae* Penney, 2005*a* ..... Ne Dominican amber

**SICARIIDAE Keyserling, 1880*a*** ..... **Neogene – Recent**

= LOXOSCELIDAE Simon, 1893

***Loxosceles* Heineken & Lowe, 1832** ..... **Neogene – Recent**

55. *Loxosceles aculicaput* Wunderlich, 2004*c* ..... Ne Dominican amber

56. *Loxosceles defecta* Wunderlich, 1988 ..... Ne Dominican amber

57. *Loxosceles deformis* Wunderlich, 1988 ..... Ne Dominican amber

*Loxosceles* sp. *in* Wunderlich (1988) ..... Ne Dominican amber

**SCYTODIDAE Blackwall, 1864** ..... **Cretaceous – Recent**

Syctodidae sp. 1–2 *in* Wunderlich (2004*b*) ..... Pa Bitterfeld amber

***Scytodes* Latreille, 1804a** ..... **?Cretaceous – Recent**

58. ?*Scytodes hani* Wunderlich, 2012*d* ..... K Jordanian amber

59. *Scytodes marginalis* Wunderlich, 2004*as* ..... Qt Madagascan copal

60. *Scytodes piliformis* Wunderlich, 1988 ..... Ne Dominican amber

61. *Scytodes planithorax* Wunderlich, 1988 ..... Ne Dominican amber

62. *Scytodes stridulans* Wunderlich, 1988 ..... Ne Dominican amber

63. *Scytodes weitschati* Wunderlich, 1993*a* ..... Pa Baltic amber

*Scytodes* sp. *in* Wunderlich (1988) ..... Ne Dominican amber

*Scytodes* sp. *in* Wunderlich (2011*h*) ..... Pa Baltic amber

**PERIEGOPIDAE Simon, 1893** ..... **Recent**

no fossil record

**DRYMUSIDAE Simon, 1893** ..... **Recent**

no fossil record

† **PRAETERLEPTONETIDAE Wunderlich 2008*d*** ..... **Cretaceous**

Praeterleptonetidae indet. *in* Wunderlich (2008*d*) ..... K Burmese amber

?Praeterleptonetidae indet. *in* Wunderlich 2015*b* ..... K Burmese amber

† ***Autotomiana* Wunderlich, 2015*b*** ..... **Cretaceous**

64. *Autotomiana hirsutipes* Wunderlich, 2015*b** ..... K Burmese amber

?*Autotomiana* sp. indet. *in* Wunderlich, 2015*b* ..... K Burmese amber

† ***Biapophyses* Wunderlich, 2015*b*** ..... **Cretaceous**

65. *Biapophyses beate* Wunderlich, 2015*b** ..... K Burmese amber

† ***Crassitibia* Wunderlich, 2015*b*** ..... **Cretaceous**

66. *Crassitibia longispina* Wunderlich, 2015*b** ..... K Burmese amber

67. *Crassitibia tenuimana* Wunderlich, 2015*b* ..... K Burmese amber

† ***Curvitibia* Wunderlich, 2015*b*** ..... **Cretaceous**

68. *Curvitibia curima* Wunderlich, 2015*b**. ..... K Burmese amber

† ***Groehnianus* Wunderlich, 2015*b*** ..... **Cretaceous**

69. *Groehnianus burmensis* Wunderlich, 2015*b** ..... K Burmese amber

† ***Hypotheridiosoma* Wunderlich, 2012*d*** ..... **Cretaceous**

70. *Hypotheridiosoma falcata* Wunderlich, 2015*b* ..... K Burmese amber

71. *Hypotheridiosoma paracymbium* Wunderlich, 2012*d** ..... K Burmese amber

† ***Palaeohygropoda* Penney, 2004*c*** ..... **Cretaceous**

72. *Palaeohygropoda myanmarensis* Penney, 2004*c** ..... K Burmese amber

† ***Parvispina* Wunderlich, 2015*b*** ..... **Cretaceous**

73. *Parvispina tibialis* (Wunderlich, 2011*i*)* ..... K Burmese amber

† ***Praeterleptoneta* Wunderlich, 2008*d*** ..... **Cretaceous**

74. *Praeterleptoneta spinipes* Wunderlich, 2008*d** ..... K Burmese amber

† ***Spinipalpitibia* Wunderlich, 2015*b*** ..... **Cretaceous**

75. *Spinipalpitibia maior* Wunderlich, 2015*b** ..... K Burmese amber

† **PHOLCOCHYROCERIDAE Wunderlich, 2008*d* (n. stat. 2012*d*)** ..... **Cretaceous**

† ***Pholcochyrocer* Wunderlich, 2008*d*** ..... **Cretaceous**

76. *Pholcochyrocer altipecten* Wunderlich, 2017*c* ..... K Burmese amber

77. ?*Pholcochyrocer baculum* Wunderlich, 2012*d* ..... K Burmese amber

78. *Pholcochyrocer guttulaequae* Wunderlich, 2008*d** ..... K Burmese amber

79. *Pholcochyrocer pecten* Wunderlich, 2012*d* ..... K Burmese amber

† ***Spinicreber* Wunderlich, 2015*b*** ..... **Cretaceous**

80. *Spinicreber antiquus* Wunderlich, 2015*b** ..... K Burmese amber

† ***Spinipalpus* Wunderlich, 2015*b*** ..... **Cretaceous**

81. *Spinipalpus vetus* Wunderlich, 2015*b** ..... K Burmese amber

**LEPTONETIDAE Simon, 1890** ..... **Cretaceous – Recent**

† ***Eoleptoneta* Wunderlich, 1991** ..... **Palaeogene**

82. *Eoleptoneta curvata* Wunderlich, 2004*c* ..... Pa Bitterfeld amber
83. *Eoleptoneta duocalcar* Wunderlich, 2004*c* ..... Pa Baltic amber
84. *Eoleptoneta kutscheri* Wunderlich, 1991* ..... Pa Bitterfeld amber
85. *Eoleptoneta multispinae* Wunderlich, 2011*h* ..... Pa Baltic amber
86. *Eoleptoneta pseudoarticulata* Wunderlich, 2011*h* ..... Pa Baltic amber
87. *Eoleptoneta similis* Wunderlich, 2004*c* ..... Pa Baltic amber

† ***Oligoleptoneta* Wunderlich 2004*c*** ..... **Palaeogene**

88. *Oligoleptoneta altoculus* Wunderlich 2004*c** ..... Pa Baltic amber
89. *Oligoleptoneta cymbiospina* Wunderlich, 2011*h* ..... Pa Baltic amber

† ***Palaeoleptoneta* Wunderlich 2012*d*** ..... **Cretaceous**

90. *Paleoleptoneta calcar* Wunderlich, 2012*d** ..... K Burmese amber
91. *Paleoleptoneta crus* Wunderlich, 2017*c* ..... K Burmese amber

*Paleoleptoneta* sp. indet. *in* Wunderlich (2017*c*) ..... K Burmese amber

**TELEMIDAE Fage, 1913** ..... **?Cretaceous – Recent**

***Telema* Simon, 1882** ..... **Palaeogene – Recent**

92. ?*Telema moritzi* Wunderlich, 2004*c* ..... Pa Baltic / Bitt. amber

***Telemofila* Wunderlich, 1995** ..... **?Cretaceous – Recent**

93. ?*Telemofila crassifemoralis* Wunderlich, 2004*c* ..... K Burmese amber

**† EOPSILODERCIDAE Wunderlich, 2008*d***

NB: Wunderlich (2012*d*) recognised this as a junior synonym of a family Psilodercidae, but Wunderlich (2015*b*) subsequently reinstated the family

† ***Eopsiloderces* Wunderlich, 2008*d*** ..... **Cretaceous**

94. *Eopsiloderces filiformis* (Wunderlich, 2012*d*) ..... K Burmese amber
95. *Eopsiloderces loxosceloides* Wunderlich, 2008*d** ..... K Burmese amber
96. *Eopsiloderces serenitas* Wunderlich, 2015*b* ..... K Burmese amber

*Eopsiloderces* sp. indet. *in* Wunderlich (2015*b*) ..... K Burmese amber

† ***Loxoderces* Wunderlich, 2017*c*** ..... **Cretaceous**

97. *Loxoderces curvatus* Wunderlich, 2017*c* ..... K Burmese amber
98. *Loxoderces longicymbium* Wunderlich, 2017*c** ..... K Burmese amber
99. *Loxoderces rectus* Wunderlich, 2017*c* ..... K Burmese amber

† ***Praepholcus* Wunderlich, 2017*c*** ..... **Cretaceous**

100. *Praepholcus huberi* Wunderlich, 2017*c** ..... K Burmese amber

**OCHYROCERATIDAE Fage, 1912 *s. l.* [incl. PSILODERCINAE]** ..... **Cretaceous – Recent**

NB: Wunderlich (2015*b,* 2017*c*) recognised Psilodercidae as a distinct family.

?Eopsilodercidae indet. 1–3 *in* Wunderlich (2008*d*) ..... K Burmese amber

† ***Aculeatosoma* Wunderlich, 2017*c*** ..... **Cretaceous**

101.*Aculeatosoma pyritmutatio* Wunderlich, 2017*c* ..... K Burmese amber

† ***Arachnolithulus* Wunderlich, 1988** ..... **Neogene**

102.*Arachnolithulus longipes* Wunderlich, 2004*c* ..... Ne Dominican amber

103.*Arachnolithulus pygmaeus* Wunderlich, 1988* ..... Ne Dominican amber

?*Arachnolithulus* sp. *in* Wunderlich (1988) ..... Ne Dominican amber

† ***Priscaleclercera* Wunderlich, 2017*c*** ..... **Cretaceous**

104.*Priscaleclercera brevispinae* Wunderlich, 2017*c* ..... K Burmese amber

105.*Priscaleclercera ellenbergeri* Wunderlich, 2015*b** ..... K Burmese amber

106.*Priscaleclercera longissipes* (Wunderlich, 2012*d*) ..... K Burmese amber

107.*Priscaleclercera paucispinae* Wunderlich, 2017*c* ..... K Burmese amber

108.*Priscaleclercera sexaculeata* (Wunderlich, 2015*b*) ..... K Burmese amber

109.*Priscaleclercera spicula* (Wunderlich, 2012*d*) ..... K Burmese amber

*Priscaleclercera* sp. indet. *in* (Wunderlich, 2015*b*) ..... K Burmese amber

*Priscaleclercera* sp. indet. in (Wunderlich, 2017*c*) ..... K Burmese amber

† ***Propterpsiloderces* Wunderlich, 2015*b*** ..... **Cretaceous**

110.*Propterpsiloderces longisetae* Wunderlich, 2015*b** ..... K Burmese amber

**PHOLCIDAE C. L. Koch, 1851** ..... **Palaeogene – Recent**

Pholcidae sp. 1–2 *in* Wunderlich (2004*b*) ..... Pa Baltic amber

Pholcidae sp. *in* Wunderlich (2004*au*) ..... Pa Fu Shun amber

***Coryssocnemis* Simon, 1893** ..... **Neogene – Recent**

111.?*Coryssocnemis velteni* Wunderlich, 2004*c* ..... Ne Dominican amber

***Leptopholcus* Simon, 1893** ..... **Neogene**

112.*Leptopholcus kiskeya* Huber & Wunderlich, 2006 ..... Ne Dominican amber

***Modisimus* Simon, 1893** ..... **Neogene – Recent**

113.*Modisimus calcar* Wunderlich, 1988 ..... Ne Dominican amber

114.*Modisimus calcaroides* Wunderlich, 1988 ..... Ne Dominican amber

115.*Modisimus crassifemoralis* Wunderlich, 1988 ..... Ne Dominican amber

116.*Modisimus oculatus* Wunderlich, 1988 ..... Ne Dominican amber

117.*Modisimus tuberosus* Wunderlich, 1988 ..... Ne Dominican amber

*Modisimus* sp. *in* Wunderlich (1988) ..... Ne Dominican amber

† ***Paraspermophora* Wunderlich, 2004c** ..... **Palaeogene**

118.*Paraspermophora bitterfeldensis* Wunderlich, 2004*c* ..... Pa Bitterfeld amber

119.*Paraspermophora perplexa* Wunderlich, 2004*c** ..... Pa Baltic amber

*Paraspermophora* sp. *in* Wunderlich (2004*c,* 2011*h*) ..... Pa Baltic / Bitt. amber

***Pholcophora* Banks, 1896** ..... **Neogene – Recent**

120.*Pholcophora brevipes* Wunderlich, 1988 ..... Ne Dominican amber

121.*Pholcophora gracilis* Wunderlich, 1988 ..... Ne Dominican amber

122.*Pholcophora longicornis* Wunderlich, 1988 ..... Ne Dominican amber

***Quamtana* Huber, 2003** ..... **Palaeogene – Recent**

123.*Quamtana huberi* Penney, 2007*a* ..... Pa Le Quesnoy amber

† ***Serratochorus*** **Wunderlich, 1988** ..... **Neogene**

124.*Serratochorus pygmaeus* Wunderlich, 1988* ..... Ne Dominican amber

**PLECTREURIDAE Simon, 1893** ..... **Jurassic – Recent**

† ***Eoplectreurys*** **Selden & Huang, 2010** ..... **Jurassic**

125.*Eoplectreurys gertschi* Selden & Huang, 2010* ..... J Daohugou

† ***Montsecarachne*** **Selden, 2014*a*** ..... **Cretaceous**

126.*Montsecarachne amicorum* Selden, 2014*a** ..... K El Montsec

NB: Erroneously cited as *amicus* in the abstract.

† ***Palaeoplectreurys*** **Wunderlich, 2004*c*** ..... **Palaeogene**

127.*Palaeoplectreurys baltica* Wunderlich, 2004*c** ..... Pa Baltic amber

***Plectreurys*** **Simon, 1893** ..... **Neogene – Recent**

128.*Plectreurys pittfieldi* Penney, 2009 ..... Ne Dominican amber

**DIGUETIDAE F. O. P.-Cambridge, 1899** ..... **Recent**

no fossil record

**CAPONIIDAE Simon, 1890** ..... **Neogene – Recent**

= COLOPHONIDAE O. P.-Cambridge, 1874 [based on a generic homonym]

***Nops*** **MacLeay, 1839** ..... **Neogene – Recent**

*Nops* sp. *in* Wunderlich (1988) ..... Ne Dominican amber

129.*Nops lobatus* Wunderlich, 1988 ..... Ne Dominican amber

i. = *Nops segmentatus* Wunderlich, 1988 ..... Ne Dominican amber

**TETRABLEMMIDAE O. P.-Cambridge, 1873** ..... **Cretaceous – Recent**

= PHAEDOMOIDAE Thorell, 1890 [based on a generic homonym]

= PACULLIDAE Simon, 1894

Tetrablemmidae gen. indet. *in* Wunderlich (2012*d*) ..... K Burmese amber

Tetrablemmidae ?gen. sp. indet. *in* Wunderlich, 2015*b* ..... K Burmese amber

Tetrablemminae indet. in Wunderlich, 2017*c* ..... K Burmese amber

† ***Balticoblemma*** **Wunderlich, 2004*c*** ..... **Palaeogene**

130. *Balticoblemma unicorniculum* Wunderlich, 2004*c** ..... Pa Baltic amber

† ***Bicornoculus*** **Wunderlich, 2015*b*** ..... **Cretaceous**

131. *Bicornoculus levis* Wunderlich, 2015*b** ..... K Burmese amber

?*Bicornoculus* sp. *in* Wunderlich, 2015*b* ..... K Burmese amber

† ***Brignoliblemma*** **Wunderlich, 2017*c*** ..... **Cretaceous**

132. *Brignoliblemma bizarre* Wunderlich, 2017*c* ..... K Burmese amber

133. *Brignoliblemma nala* Wunderlich, 2017*c** ..... K Burmese amber

134. *Brignoliblemma paranala* Wunderlich, 2017*c* ..... K Burmese amber

† ***Cymbioblemma*** **Wunderlich, 2017*c*** ..... **Cretaceous**

135.*Cymbioblemma corniger* Wunderlich, 2017*c** ..... K Burmese amber

† ***Electroblemma*** **Selden, Zhang & Ren, 2016** ..... **Cretaceous**

136. *Electroblemma bifida* Selden, Zhang & Ren, 2016* ..... K Burmese amber

† ***Eogamasomorpha* Wunderlich, 2008*d*** ..... **Cretaceous**

= † *Eoscaphiella* Wunderlich, 2011i

137.?*Eogamasomorpha clara* Wunderlich, 2015*b* ..... K Burmese amber

138.*Eogamasomorpha hamata* Wunderlich, 2017*c* ..... K Burmese amber

139.*Eogamasomorpha nubila* Wunderlich, 2008*d** ..... K Burmese amber

140.*Eogamasomorpha ohlhoffi* (Wunderlich, 2011*i*) ..... K Burmese amber

141.?*Eogamasomorpha unicornis* Wunderlich, 2017*c* ..... K Burmese amber

*Eogamasomorpha* sp. indet. *in* Wunderlich (2017*c*) ..... K Burmese amber

† ***Furcembolus* Wunderlich, 2008*d*** ..... **Cretaceous**

= † *Praeterpaculla* Wunderlich, 2015*b*

142. *Furcembolus andersoni* Wunderlich, 2008*d** ..... K Burmese amber

143. *Furcembolus armatura* (Wunderlich, 2015*b*) ..... K Burmese amber

144. *Furcembolus biacuta* (Wunderlich, 2015*b*) ..... K Burmese amber

145. *Furcembolus crassitibia* Wunderlich, 2017*c* ..... K Burmese amber

146. *Furcembolus dissolata* (Wunderlich, 2015*b*) ..... K Burmese amber

147. *Furcembolus equester* (Wunderlich, 2015*b*) ..... K Burmese amber

148. *Furcembolus grossa* Wunderlich, 2017*c* ..... K Burmese amber

149. *Furcembolus longior* Wunderlich, 2017*c* ..... K Burmese amber

150. *Furcembolus tuberosa* (Wunderlich, 2015*b*)* ..... K Burmese amber

† ***Longissithorax* Wunderlich, 2017*c*** ..... **Cretaceous**

151. *Longissithorax myanmarensis* Wunderlich, 2017*c** ..... K Burmese amber

† ***Longithorax* Wunderlich, 2017*c*** ..... **Cretaceous**

152. *Longithorax furca* Wunderlich, 2017*c** ..... K Burmese amber

***Monoblemma* Gertsch, 1941** ..... **Neogene**

153. ?*Monoblemma spinosum* Wunderlich, 1988 ..... Ne Dominican amber

† ***Palpalpaculla* Wunderlich, 2017*c*** ..... **Cretaceous**

154. *Palpalpaculla pulcher* Wunderlich, 2017*c** ..... K Burmese amber

† ***Saetosoma* Wunderlich, 2012*d*** ..... **Cretaceous**

155. *Saetosoma filiembolus* Wunderlich, 2012*d** ..... K Burmese amber

† ***Uniscutosoma* Wunderlich, 2015*b*** ..... **Cretaceous**

156. *Uniscutosoma aberrans* Wunderlich, 2015*b** ..... K Burmese amber

**TROGLORAPTORIDAE Griswold, Audisio & Ledford, 2012** ..... **Recent**

no fossil record

**DYSDEROIDEA Bristowe, 1938** ..... **Cretaceous – Recent**

?Dysderoidea *s. l.* indet 1–2 *in* Wunderlich (2008*d*) ..... K Burmese amber

**SEGESTRIIDAE Simon, 1893** ..... **Cretaceous – Recent**

?Segestriidae indet *in* Wunderlich (2008*d*) ..... K Burmese amber

***Ariadna* Audouin, 1826** ..... **Cretaceous – Recent**

157. *Ariadna copalis* Wunderlich, 2008*a* ..... Qt ?Madagascan copal

158. *Ariadna defuncta* Wunderlich, 2004*c* ..... Pa Bitterfeld amber
159. *Ariadna hintzei* Wunderlich, 2004*as* ..... Qt Madagascan copal
160. *Ariadna ovalis* Wunderlich, 2008*a* ..... Pa Baltic amber
161. *Ariadna parva* Wunderlich, 2008*a* ..... Pa Baltic amber
162. *Ariadna paucispinosa* Wunderlich, 1988 ..... Ne Dominican amber
163. *Ariadna resinae* Hickman, 1957 ..... Ne? Australian copal
?*Ariadna* sp. *in* Wunderlich (1988) ..... Ne Dominican amber

† ***Denticulsegestria* Wunderlich, 2015*b*** ..... **Cretaceous**
164. *Denticulsegestria rugosa* Wunderlich, 2015*b** ..... K Burmese Amber

† ***Jordansegestria* Wunderlich 2015*b*** ..... **Cretaceous**
165. *Jordansegestria detruneo* Wunderlich, 2015*b** ..... K Jordanian Amber

† ***Jordariadna* Wunderlich, 2015*b*** ..... **Cretaceous**
166. *Jordariadna amissiocoli* Wunderlich, 2008*d** ..... K Jordanian amber

† ***Lebansegestria* Wunderlich, 2008*d*** ..... **Cretaceous**
167. *Lebansegestria azari* Wunderlich, 2008*d** ..... K Lebanese amber

† ***Microsegestria* Wunderlich & Milki, 2004** ..... **Cretaceous**
168. *Microsegestria poinari* Wunderlich & Milki, 2004* ..... K Lebanese amber

† ***Myansegestria* Wunderlich, 2015*b*** ..... **Cretaceous**
169. *Myansegestria caederens* Wunderlich 2015*b* ..... K Burmese Amber
170. *Myansegestria engin* Wunderlich, 2015*b** ..... K Burmese Amber

† ***Palaeosegestria* Penney, 2004*a*** ..... **Cretaceous**
171. *Palaeosegestria lutzzii* Penney, 2004*a** ..... K New Jersey amber

† ***Parvosegestria* Wunderlich, 2015*b*** ..... **Cretaceous**
172. *Parvosegestria longitibialis* Wunderlich, 2015*b* ..... K Burmese Amber
173. *Parvosegestria obscura* Wunderlich, 2015*b** ..... K Burmese Amber
174. *Parvosegestria pintgu* Wunderlich, 2015*b* ..... K Burmese Amber
175. *Parvosegestria triplex* Wunderlich, 2015*b* ..... K Burmese Amber

***Segestria* Latreille, 1804*a*** ..... **Cretaceous – Recent**
176. *Segestria cristata* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber
177. *Segestria flexio* Wunderlich, 2004*c* ..... Pa Baltic amber
178. *Segestria mortalis* Wunderlich 2004*c* ..... Pa Baltic amber
179. *Segestria plicata* Petrunkevitch, 1950 ..... Pa Baltic amber
180. *Segestria scudderi* Petrunkevitch, 1922 ..... Pa Florissant
181. *Segestria secessa* Scudder, 1890*a* ..... Pa Florissant
182. *Segestria succinei* Berland, 1939 ..... Pa Baltic amber
183. *Segestria tomentosa* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber
i. = *Segestria plicata* Petrunkevitch, 1950 [provisional] ..... Pa Baltic amber
*Segestria* sp. *in* Penney (2002) ..... K New Jersey amber
*Segestria* sp. *in* Wunderlich (2004*c*) ..... Pa Baltic amber
*Segestria* sp. *in* Selden (2014*b*) ..... Pa Isle of Wight

† ***Vetsegestria* Wunderlich, 2004*c*** ..... **Palaeogene**

184. *Vetsegestria quinquespinosa* Wunderlich, 2004*c** ..... Pa Baltic / Bitter. amber

**DYSDERIDAE C. L. Koch, 1837** ..... **Palaeogene – Recent**

† ***Dasumiana* Wunderlich, 2004*c*** ..... **Palaeogene**

185. *Dasumiana emicans* Wunderlich, 2004*c** ..... Pa Baltic amber

186. ?*Dasumiana subita* (Petrunkevitch, 1958) ..... Pa Baltic amber

187. *Dasumiana valga* Wunderlich, 2004*c* ..... Pa Baltic amber

***Dysdera* Latreille, 1804** ..... **Palaeogene – Recent**

188. *Dysdera dilatata* Zhang, Sun & Zhang, 1994 ..... Ne Shanwang

***Harpactea* Bristowe, 1939** ..... **Palaeogene – Recent**

189. *Harpactea communis* Wunderlich, 2004*c* ..... Pa Baltic amber

190. *Harpactea extincta* Petrunkevitch, 1950 ..... Pa Baltic amber

191. *Harpactea hombergi* (Scopoli, 1763) **[Recent]** ..... Qt England

192. *Harpactea longibulbus* Wunderlich, 2011*h* ..... Pa Baltic amber

193. *Harpactea tersa* (C. L. Koch & Berendt, 1854) [provisional transfer] Pa Baltic amber

*Harpactea* sp. *in* Wunderlich (2011*h*) ..... Pa Bitterfeld amber

† ***Segistriites* Straus, 1967** ..... **Neogene**

194. *Segistriites cromei* Straus, 1967* ..... Ne Willershausen

**Dysderidae?**

† ***Mistura* Petrunkevitch, 1971** ..... **Neogene**

195. *Mistura perplexa* Petrunkevitch, 1971* ..... Ne Chiapas amber

**OONOPIDAE Simon, 1890** ..... **Cretaceous – Recent**

Oonopidae gen. et sp. *in* Penney (2002) ..... K New Jersey amber

† ***Burmorchestina* Wunderlich, 2008*a*** ..... **Cretaceous**

196. *Burmorchestina acuminata* Wunderlich, 2017*c* ..... K Burmese amber

197. *Burmorchestina biangulata* Wunderlich, 2017*c* ..... K Burmese amber

198. *Burmorchestina plana* Wunderlich, 2017*c* ..... K Burmese amber

199. *Burmorchestina pulcher* Wunderlich, 2008*a** ..... K Burmese amber

200. *Burmorchestina pulcheroides* Wunderlich, 2017*c* ..... K Burmese amber

201. *Burmorchestina tuberosa* Wunderlich, 2017*c* ..... K Burmese amber

*Burmorchestina* sp. indet. *in* Wunderlich (2017*c*) ..... K Burmese amber

† ***Canadaorchestina* Wunderlich, 2008*a*** ..... **Cretaceous**

202. *Canadaorchestina albertenis* (Penney, 2006*a*)* ..... K Canadian amber

† ***Fossilopaea* Wunderlich, 1988** ..... **Neogene**

203. *Fossilopaea sulci* Wunderlich, 1988* ..... Ne Dominican amber

***Heteroonops* Dalmas, 1916** ..... **?Neogene – Recent**

*Heteroonops* sp. *in* Wunderlich (1988) ..... Ne Dominican amber

***Opopaea* Simon, 1891** ..... **?Neogene – Recent**

?*Opopaea* sp. *in* Wunderlich (1988) ..... Ne Dominican amber

***Orchestina*** **Simon, 1882** ..... **Cretaceous – Recent**

204. *Orchestina (Baltorchestina) angulata* Wunderlich, 2012*f*

[replacement name]..... Pa Bitterfeld amber

i. = *Orchestina (B.) rectangulata* Wunderlich, 2011*h* [preoccupied]

205. *Orchestina baltica* Petrunkevitch, 1942 ..... Pa Baltic amber

206. *Orchestina (Baltorchestina) bitterfeldensis* Wunderlich, 2008*a* ..... Pa Bitterfeld amber

207. *Orchestina breviembolus* Wunderlich, 1981 ..... Pa Baltic amber

208. *Orchestina (Baltorchestina) brevis* Wunderlich, 2008*a* ..... Pa Baltic amber

209. *Orchestina crassiembolus* Wunderlich, 1981 ..... Pa Baltic amber

210. *Orchestina (Baltorchestina) crassipatellaris* Wunderlich, 1981 ..... Pa Baltic amber

211. *Orchestina (Baltorchestina) crassitibialis* Wunderlich, 1981 ..... Pa Baltic amber

212. *Orchestina (Baltorchestina) colchembolus* Wunderlich, 1981 ..... Pa Baltic amber

213. *Orchestina colombiensis* Wunderlich, 2004*at* ..... Qt Colombian copal

214. *Orchestina dominicana* Wunderlich, 1981 ..... Ne Dominican amber

215. *Orchestina forceps* Wunderlich, 1981 ..... Pa Baltic amber

216. *Orchestina (Baltorchestina) forfex* Wunderlich, 2011*h*..... Pa Baltic amber

217. *Orchestina (Baltorchestina) furca* Wunderlich, 1981 ..... Pa Baltic amber

218. *Orchestina fushunensis* Wunderlich, 2004*au* ..... Pa Fu Shun amber

219. *Orchestina gappi* Saupe *et al*., 2012 ..... K Archingeay amber

220. *Orchestina gracilitibialis* Wunderlich, 2004*c* ..... Pa Baltic amber

221. *Orchestina (Baltorchestina) imperialis* Petrunkevitch, 1963 ..... Pa Baltic/Bitter. amber

222. *Orchestina kenyana* Wunderlich, 1981 ..... Qt East African copal

223. *Orchestina longimana* Wunderlich, 1981 ..... Qt East African copal

224. *Orchestina madagascariensis* Wunderlich, 2004*as* ..... Qt Madagascan copal

225. *Orchestina mortua* Petrunkevitch, 1971 ..... Ne Chiapas amber

226. *Orchestina (Baltorchestina) multisetae* Wunderlich, 2008*a* ..... Pa Baltic amber

227. *Orchestina (Gallorchestina) parisiensis* Penney, 2007*b* ..... Pa Le Quesnoy amber

228. *Orchestina (Baltorchestina) perfecta* Wunderlich, 2008*a* ..... Pa Baltic amber

229. *Orchestina pusilla* (Menge *in* C. L. Koch & Berendt, 1854) ..... Pa Baltic amber

230. *Orchestina rabagensis* Saupe *et al.*, 2012 ..... K El Soplao amber

231. *Orchestina (Baltorchestina) rectangulata* Wunderlich, 2008*a* ..... Pa Baltic amber

232. *Orchestina (Baltorchestina) sternalis* Wunderlich, 2008*a* ..... Pa Baltic amber

233. *Orchestina tibialis* Wunderlich, 1988 ..... Ne Dominican amber

234. *Orchestina truncata* Wunderlich, 2004*at* ..... Qt Colombian copal

235. *Orchestina tuberosa* Wunderlich, 1981 ..... Pa Baltic amber

*Orchestina* sp. *in* Nishikawa (1974) ..... Qt Mizunami copal

*Orchestina* sp. *in* Penney (2006) ..... K Burmese amber

*Orchestina* sp. *in* Saupe *et al.* (2012) ..... K Álava amber

*Orchestina* sp. *in* Soriano *et al.* (2010) ..... K San Just amber

*Orchestina* sp. *in* Wunderlich (2011*h*) ..... Pa Bitterfeld amber

***Stenoonops*** **Simon, 1891** ..... **Palaeogene – Recent**

236.*Stenoonops incertus* (Wunderlich, 1988) ..... Ne Dominican amber

237.?*Stenoonops rugosus* Wunderlich, 2004*c* ..... Pa Bitterfeld amber

238.*Stenoonops seldeni* (Penney, 2000) ..... Ne Dominican amber

**ORSOLOBIDAE Cooke, 1965** ..... **Recent**

no fossil record

† **PLUMORSOLIDAE Wunderlich, 2008*d*** ..... **Cretaceous**

?Plumorsolidae indet. *in* Wunderlich (2008*d*) ..... K Burmese amber

?Plumorsolidae indet. *in* Wunderlich (2011*i*) ..... K Burmese amber

† ***Burmorsolus* Wunderlich, 2015*b*** ..... **Cretaceous**

239. *Burmorsolus nonplumosus* Wunderlich, 2015*b** ..... K Burmese amber

*Burmorsolus* sp. indet. *in* Wunderlich (2015*b*) ..... K Burmese amber

† ***Plumorsolus* Wunderlich, 2008*d*** ..... **Cretaceous**

240. *Plumorsolus gondwanensis* Wunderlich, 2008*d* ..... K Lebanese amber

† ***Pseudorsolus* Wunderlich, 2017*c*** ..... **Cretaceous**

241. *Pseudorsolus crassus* (Wunderlich, 2015*b*)* ..... K Burmese amber

**ENTELEGYNAE Simon, 1893** ..... **Triassic – Recent**

**PALPIMANOIDEA Thorell, 1870a** ..... **Jurassic – Recent**

**family uncertain**

† ***Seppo* Selden & Dunlop, 2014** ..... **Jurassic**

242.*Seppo koponeni* Selden & Dunlop, 2014* ..... J Grimmen, Germany

NB: Wunderlich (2015*b*) suggested possible affinities to Araneidae.

† ***Sinaranea* Selden, Huang & Ren, 2008** ..... **Jurassic**

243.*Sinaranea metaxyostraca* Selden, Huang & Ren, 2008* ..... J Daohugou, China

**ARCHAEIDAE C. L. Koch & Berendt, 1854** ..... **Jurassic – Recent**

Archaeinae indet. *in* Wunderlich, 2015*b* ..... K Burmese amber

***Archaea* C. L. Koch & Berendt, 1854** ..... **Palaeogene – Recent**

244.?*Archaea bitterfeldensis* Wunderlich, 2004*d* ..... Pa Bitterfeld amber

245.*Archaea compacta* Wunderlich, 2004*d* ..... Pa Baltic amber

246.*Archaea paradoxa* C. L. Koch & Berendt, 1854* ..... Pa Baltic amber

i. = *Archaea laevigata* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

ii. = *Archaea incompta* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

247.*Archaea pougneti* Simon, 1884*b* ..... Pa Baltic amber

† ***Baltarchaea* Eskov, 1992** ..... **Palaeogene**

248.*Baltarchaea conica* (C. L. Koch & Berendt, 1854)* ..... Pa Baltic amber

† ***Burmesarchaea* Wunderlich, 2008*d*** ..... **Cretaceous**

249.*Burmesarchaea alissa* Wunderlich, 2017*c* ..... K Burmese amber

250.*Burmesarchaea caudata* Wunderlich, 2017*c* ..... K Burmese amber

251.*Burmesarchaea crassicaput* Wunderlich, 2017*c* ..... K Burmese amber

252.*Burmesarchaea crassichelae* Wunderlich, 2017*c* ..... K Burmese amber

253.*Burmesarchaea gibber* Wunderlich, 2017*c* ..... K Burmese amber

254.*Burmesarchaea gibberoides* Wunderlich, 2017c ..... K Burmese amber

255.*Burmesarchaea gibbosa* Wunderlich, 2017*c* ..... K Burmese amber

256.*Burmesarchaea grimaldii* (Penney, 2003*a*) ..... K Burmese amber

257.*Burmesarchaea longicollum* Wunderlich, 2017*c* ..... K Burmese amber

258.*Burmesarchaea propinqua* Wunderlich, 2017*c* ..... K Burmese amber

259.*Burmesarchaea pseudogibber* Wunderlich, 2017*c* ..... K Burmese amber

260.*Burmesarchaea pustulata* Wunderlich, 2017*c* ..... K Burmese amber

261.*Burmesarchaea quadrata* Wunderlich, 2017*c* ..... K Burmese amber

262.*Burmesarchaea speciosus* (Wunderlich, 2008*d*) ..... K Burmese amber

† ***Eoarchaea*** **Forster & Platnick, 1984** ..... **Palaeogene**

263.*Eoarchaea hyperoptica* (Menge *in* C. L. Koch & Berendt, 1854)* ..... Pa Baltic amber

264.*Eoarchaea vidua* Wunderlich, 2004*d* ..... Pa Baltic amber

† ***Eomysmauchenius*** **Wunderlich, 2008*d*** ..... **Cretaceous**

265.*Eomysmauchenius dubius* Wunderlich, 2008d ..... K Burmese amber

266.*Eomysmauchenius longissipes* Wunderlich, 2015*b* ..... K Burmese amber

NB: tentative transfer by Wunderlich (2017*c*)

267.*Eomysmauchenius septentrionalis* Wunderlich, 2008*d** ..... K Burmese amber

***Eriauchenius*** **O. P.-Cambridge, 1881** ..... **Quaternary – Recent**

268.*Eriauchenius gracilicollis* (Millot, 1948) **[Recent]** ..... Qt Copal

i. = *Archaea copalensis* Lourenço, 2000*b* ..... Qt Copal

† ***Jurarchaea*** **Eskov, 1987** ..... **Jurassic**

269.*Jurarchaea zherikhini* Eskov, 1987* ..... J Kazakhstan

† ***Myrmecarchaea*** **Wunderlich, 2004*d*** ..... **Palaeogene**

270.*Myrmecarchaea petiolus* Wunderlich, 2004*d** ..... Pa Baltic amber

271.*Myrmecarchaea pediculus* Wunderlich, 2004*d* ..... Pa Baltic amber

† ***Patarchaea*** **Selden, Huang & Ren, 2008** ..... **Jurassic**

272.*Patarchaea muralis* Selden, Huang & Ren, 2008* ..... J Daohugou, China

† ***Planarchaea*** **Wunderlich, 2015*b*** ..... **Cretaceous**

= † *Filiauchenius* Wunderlich, 2008*d*

273.*Planarchaea kopp* Wunderlich, 2015*b** ..... K Burmese amber

274.*Planarchaea oblonga* Wunderlich, 2017*c* ..... K Burmese amber

275.*Planarchaea ovata* Wunderlich, 2017*c* ..... K Burmese amber

276.*Planarchaea paucidentatus* (Wunderlich, 2008*d*) tentative transfer ..... K Burmese amber

277.*Planarchaea pilosa* (Wunderlich, 2015*b*) tentative transfer ..... K Burmese amber

† ***Saxonarchaea*** **Wunderlich, 2004*d*** ..... **Palaeogene**

278.*Saxonarchaea dentata* Wunderlich, 2004*d** ..... Pa Bitterfeld amber

279.*Saxonarchaea diabolica* Wunderlich, 2004*d* ..... Pa Bitterfeld amber

**MECYSMAUCHENIIDAE Simon, 1895** ..... **Cretaceous – Recent**

† ***Archaemecys* Saupe & Selden, 2009** ..... **Cretaceous**

280.*Archaemecys arcantiensis* Saupe & Selden, 2009 ..... K Charente amber

NB: Wunderlich (2015*b*) suggested that this could be an archaeid (Archaeinae).

**PARARCHAEIDAE Forster & Platnick, 1984** ..... **Recent**

no fossil record

**HOLARCHAEIDAE Forster & Platnick, 1984** ..... **Recent**

no fossil record

**MICROPHOLCOMMATIDAE Hickman, 1944** ..... **Palaeogene – Recent**

† ***Cenotextricella* Penney *in* Penney *et al*., 2007** ..... **Palaeogene**

281.*Cenotextricella simoni* Penney *in* Penney *et al*., 2007 ..... Pa Le Quesnoy amber

**HUTTONIIDAE Simon, 1893** ..... **Cretaceous – Recent**

unnamed genus and species *in* Penney & Selden (2006) ..... K Manitoban amber

**STENOCHILIDAE Thorell, 1873** ..... **Recent**

no fossil record

† **MICROPALPIMANIDAE Wunderlich, 2008*d*** ..... **Cretaceous**

† ***Micropalpimanus* Wunderlich, 2008*d*** ..... **Cretaceous**

*Micropalpimanus* sp. indet *in* Wunderlich (2012*d*) ..... K Burmese amber

282.*Micropalpimanus poinari* Wunderlich, 2008*d* ..... K Burmese amber

**PALPIMANIDAE Thorell, 1870*a*** ..... **Cretaceous – Recent**

= OTITHOPOIDAE Thorell, 1869 [younger name protected by useage]

= CHERSIDAE Canestrini & Pavesi, 1870

Palpimanidae indet. *in* Wunderlich, 2017*c* ..... K Burmese amber

***Otiothops* MacLeay, 1839** ..... **Neogene – Recent**

*Otiothops* sp. 1–2 *in* Wunderlich (1988) ..... Ne Dominican amber

† **LAGONOMEGOPIDAE Eskov & Wunderlich, 1995** ..... **Cretaceous**

Lagonomegopidae indet. *in* Wunderlich, 2015*b* ..... K Burmese amber

Lagonomegopidae gen et sp. indet. *in* Wunderlich, 2017*c* ..... K Burmese amber

† ***Albiburmops* Wunderlich, 2017*c*** ..... **Cretaceous**

283.*Albiburmops annulipes* Wunderlich, 2017*c** ..... K Burmese amber

† ***Archaelagonops* Wunderlich, 2012*d*** ..... **Cretaceous**

284.*Archaelagonops propinquus* Wunderlich, 2015*b* ..... K Burmese amber

285.*Archaelagonops salticoides* Wunderlich, 2012*d** ..... K Burmese amber

286.*Archaelagonops scorsum* Wunderlich, 2015*b*……K Burmese amber

*Archaelagonops* sp. indet. *in* Wunderlich (2015*b*) ……K Burmese amber

† ***Burlagonomegops*** **Penney, 2005*b*** …… **Cretaceous**

287.*Burlagonomegops alavensis* Penney, 2006*b* …… K Álava amber

288.*Burlagonomegops eskovi* Penney, 2005*b** …… K Burmese amber

† ***Cymbiolagonops*** **Wunderlich, 2015*b*** …… **Cretaceous**

289.*Cymbiolagonops cymbiocalcar* Wunderlich, 2015*b** …… K Burmese amber

† ***Lagonoburmops*** **Wunderlich, 2012*d*** …… **Cretaceous**

290.*Lagonoburmops plumosus* Wunderlich, 2012*d** …… K Burmese amber

† ***Lagonomegops*** **Eskov & Wunderlich, 1995** …… **Cretaceous**

291.*Lagonomegops americanus* Penney, 2005*b* …… K New Jersey amber

292.*?Lagonomegops cor* Pérez-de la Fuente, Saupe & Selden, 2015…… K Álava amber

293.*Lagonomegops sukatchevae* Eskov & Wunderlich, 1995* …… K Taimyr amber

294.?*Lagonomegops tuber* Wunderlich, 2015*b* …… K Burmese amber

† ***Lineaburmops*** **Wunderlich, 2015*b*** …… **Cretaceous**

295.*Lineaburmops beigeli* Wunderlich, 2015*b** …… K Burmese amber

296.*Lineaburmops hirsutipes* Wunderlich, 2015*b* …… K Burmese amber

297.*Lineaburmops maculatus* Wunderlich, 2017*c* …… K Burmese amber

† ***Myanlagonops*** **Wunderlich, 2012*d*** …… **Cretaceous**

298.*Myanlagonops gracilipes* Wunderlich, 2012*d** …… K Burmese amber

† ***Parviburmops*** **Wunderlich, 2015*b*** …… **Cretaceous**

299.?*Parviburmops bigibber* Wunderlich, 2015*b* ……K Burmese amber

300.*Parviburmops brevipalpus* Wunderlich, 2015*b**……K Burmese amber

† ***Paxillomegops*** **Wunderlich, 2015*b*** …… **Cretaceous**

301.?*Paxillomegops brevipes* Wunderlich, 2015*b* …… K Burmese amber

302.?*Paxillomegops cornutus* Wunderlich, 2017*c* …… K Burmese amber

303.*Paxillomegops longipes* Wunderlich, 2015*b** ……K Burmese amber

† ***Picturmegops*** **Wunderlich, 2015*b*** …… **Cretaceous**

304.*Picturmegops signatus* Wunderlich, 2015*b** ……K Burmese amber

† ***Planimegops*** **Wunderlich, 2017*c*** …… **Cretaceous**

305.*Planimegops parvus* Wunderlich, 2017*c** …… K Burmese amber

† ***Soplaogonomegops*** **Pérez-de la Fuente, Saupe & Selden** …… **Cretaceous**

NB: Wunderlich (2015*b*) tentatively synonymised this genus with *Archaelagonops.*

306.*Soplaogonomegops unzuei* Pérez-de la Fuente, Saupe & Selden, 2015* ……K El Soplao amber

† ***Spinomegops*** **Pérez-de la Fuente, Saupe & Selden, 2015** …… **Cretaceous**

307.*Spinomegops aragonensis* Pérez-de la Fuente, Saupe & Selden, 2015 …… K San Just amber

308.*Spinomegops arcanus* Pérez-de la Fuente, Saupe & Selden, 2015* K Álava amber

† ***Zarquagonomegops*** **Kaddumi, 2007** …… **Cretaceous**

309.*Zarquagonomegops wunderlichi* Kaddumi, 2007* …… K Jordanian amber

† **GRANDOCULIDAE Penney, 2011** ..... **Cretaceous**

NB: The validity of this family has been challenged (cf. Wunderlich 2012*d, 2015b* & Pérez-de la Fuente *et al*. 2013).

† ***Grandoculus* Penney, 2004*b*** ..... **Cretaceous**

310.*Grandoculus chemahawinensis* Penney, 2004*b** ..... K Canadian amber

† **SPATIATORIDAE Petrunkevitch, 1942** ..... **Cretaceous – Palaeo.**

Spatiatoridae indet *in* Wunderlich 2017*c* ..... K Burmese amber

† ***Spatiator* Petrunkevitch, 1942** ..... **Cretaceous – Palaeo.**

311.*Spatiator bitterfeldensis* Wunderlich 2017a ..... Pa Bitterfeld amber

312.*Spatiator caulis* Wunderlich, 2008*a* ..... Pa Baltic amber

313.*Spatiator martensi* Wunderlich, 2006 ..... Pa Baltic amber

314.*Spatiator praeceps* Petrunkevitch, 1942* ..... Pa Baltic amber

315.*Spatiator putescens* Wunderlich, 2015*b* ..... K Burmese amber

*Spatiator* sp. *in* Wunderlich (2011*h*) ..... Pa Baltic amber

† **VETIATORIDAE Wunderlich, 2017*c*** ..... **Cretaceous**

Vetiatoridae indet *in* Wunderlich (2017*c*) ..... K Burmese amber

† ***Pekkachilus* Wunderlich, 2017*c*** ..... **Cretaceous**

*Pekkachilus* sp. indet *in* Wunderlich (2017*c*) ..... K Burmese amber

316.*Pekkachilus vesica* Wunderlich, 2017*c** ..... K Burmese amber

† ***Vetiator* Wunderlich, 2015*b*** ..... **Cretaceous**

317.*Vetiator gracilipes* Wunderlich, 2015*b** ..... K Burmese amber

**MALKARIDAE Davies, 1980** ..... **Recent**

= STERNODIDAE Moran, 1986

no fossil record

**MIMETIDAE Simon, 1881** ..... **Palaeogene – Recent**

= CTENOPHORIDAE Blackwall, 1870 [younger name protected by useage]

Mimetidae gen. et sp. indet. *in* Penney *et al*. (2012*a*) ..... Pa Indian amber

Mimetini sp. 1–4 *in* Wunderlich (2004*q*) ..... Pa Baltic amber

***Ero* C. L. Koch, 1836** ..... **Palaeogene – Recent**

**=** †*Palaeoero* Wunderlich, 2004*q*

= †*Succinero* Wunderlich, 2004*q*

[Wunderlich revalidated both as putative subgenera]

318.*Ero carboneana* Petrunkevitch, 1942 ..... Pa Baltic amber

319.*Ero aberrans* Petrunkevitch, 1958 ..... Pa Baltic amber

NB: Treated as a *nomen dubium* by Harms & Dunlop (2009)

320.*Ero (Succinero) clunis* Wunderlich, 2012*c* ..... Pa Baltic amber

321.*Ero (Succinero) gracilitibialis* Wunderlich, 2012*c* ..... Pa Baltic amber

322.*Ero (Paleoero) longitarsus* (Wunderlich, 2004*q*) ..... Pa Baltic amber

323.*Ero permunda* Petrunkevitch, 1942 ..... Pa Baltic amber

324.*Ero (Succinero) rovnoensis* (Wunderlich, 2004*ar*) ..... Pa Rovno amber

325.*Ero (Succinero) veta* Wunderlich, 2012*c* ..... Pa Baltic amber

***Mimetus* Hentz, 1832** ..... **Palaeogene – Recent**

326.*Mimetus bituberculatus* Wunderlich, 1988 ..... Ne Dominican amber

327.*Mimetus brevipes* Wunderlich, 2004*q* ..... Pa Baltic amber

NB: synonymised by Harms & Dunlop (2009), but ressurected by Wunderlich (2012*c*)

328.?*Mimetus longipes* Wunderlich, 2004*q* ..... Pa Baltic amber

?*Mimetus* sp. *in* Wunderlich (1988) ..... Ne Dominican amber

† ***Protomimetus* Wunderlich, 2011** ..... **Palaeogene**

329.?*Protomimetus breviclypeus* Wunderlich, 2011*h* ..... Pa Baltic amber

330.*Protomimetus longiclypeus* Wunderlich, 2011*h** ..... Pa Baltic amber

**ERESOIDEA C. L. Koch, 1851** ..... **Cretaceous – Recent**

**ERESIDAE C. L. Koch, 1851** ..... **?Miocene – Recent**

no body fossil record, but a web attributed to the extant genus *Seothyra* was described by Pickford (2000) from Miocene aeolianites in the Namib Desert of Namibia

**'OECOBIOIDEA'**

Oecobioidea fam. indet. *in* Wunderlich (2008*d*) ..... K Burmese amber

Oecobioidea indet. *in* Wunderlich 2015*b* ..... K Jordanian amber

**OECOBIIDAE Blackwall, 1862** ..... **Cretaceous – Recent**

= UROCTEIDAE Thorell, 1869

Oecobiidae indet. *in* Wunderlich, 2015*b* ..... K Burmese amber

† ***Lebanoecobius* Wunderlich, 2004e** ..... **Cretaceous**

331.*Lebanoecobius schleei* Wunderlich, 2004*e** ..... K Lebanese amber

† ***Mizalia* C. L. Koch & Berendt, 1854** ..... **Palaeogene**

= † *Paruroctea* Petrunkevitch, 1942

332.*Mizalia blauvelti* (Petrunkevitch, 1942) ..... Pa Baltic amber

333.*Mizalia gemini* Wunderlich, 2004*e* ..... Pa Baltic amber

334.*Mizalia rostrata* C. L. Koch & Berendt, 1854* ..... Pa Baltic amber

i. = *Mizalia pilosula* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

335.*Mizalia spirembolus* Wunderlich, 2004*e* ..... Pa Baltic amber

*Mizalia* sp. *in* Wunderlich (2011*h*) ..... Pa Baltic/BItter. amber

***Oecobius* Lucas, 1846** ..... **?Cretaceous – Recent**

336.*Oecobius piliformis* Wunderlich, 1988 ..... Ne Dominican amber

?*Oecobius* sp. indet *in* Penney (2002) ..... K New Jersey amber

† ***Retrooecobius* Wunderlich, 2015*b*** ..... **Cretaceous**

337.*Retrooecobius chomskyi* Wunderlich, 2015*b** ..... K Burmese amber

338.*Retrooecobius convexus* Wunderlich, 2015*b* ..... K Burmese amber

***Uroctea* Dufour, 1820** ..... **Palaeogene – Recent**

339.*Uroctea galloprovincialis* Gourret, 1887 ..... Pa Aix-en-Provence

† ***Zamilia* Wunderlich, 2008*d*** ..... **Cretaceous**

340.*Zamilia aculeopectens* Wunderlich, 2015*b* ..... K Burmese amber

341.*Zamilia antecessor* Wunderlich, 2008*d** ..... K Burmese amber

342.*Zamilia quattuormammillae* Wunderlich, 2015*b* ..... K Burmese amber

*Zamilia* sp. indet. *in* Wunderlich, 2015*b* ..... K Burmese amber

**HERSILIIDAE Thorell, 1870*a*** ..... **Cretaceous – Recent**

= CHALINUROIDAE Thorell, 1873

Hersiliidae sp. 1–3 *in* Wunderlich (2004*d*) ..... Pa Baltic amber

Hersiliidae sp. *in* Wunderlich (2011*f*) ..... Qt Madagascar copal

Hersiliidae indet. *in* Wunderlich, 2015*b* ..... K Burmese amber

† ***Burmesiola* Wunderlich, 2011*i*** ..... **Cretaceous**

343.*Burmesiola cretacea* Wunderlich, 2011*i** ..... K Burmese amber

344.*Burmesiola daviesi* Wunderlich, 2015*b* ..... K Burmese amber

† ***"Fictotama* Petrunkevitch, 1963 (*nomen dubium*)"** ..... **Neogene**

[Wunderlich 2011*f* placed a new species in this genus, which was previously considered a *nomen dubium*. He did not formally revalidate the genus]

345.*"Fictotama" maculosa* Wunderlich, 2011*g* ..... Ne Dominican amber

† ***Gerdia* Menge, 1869** ..... **Palaeogene**

346.*Gerdia myura* Menge, 1869* ..... Pa Baltic amber

† ***Gerdiopsis* Wunderlich, 2004*e*** ..... **Palaeogene**

347.*Gerdiopsis infrigens* Wunderlich, 2004*e** ..... Pa Baltic amber

† ***Gerdiorum* Wunderlich 2004*e*** ..... **Palaeogene**

348.*Gerdiorum inflexum* Wunderlich 2004*e** ..... Pa Baltic amber

***Hersilia* Audouin, 1826** ..... **Palaeogene – Recent**

= † *Hersiliopsis* Wunderlich, 2004*e*

349.*Hersilia aquisextana* Gourret, 1887 ..... Pa Aix-en-Provence

350.*Hersilia longipes* Giebel, 1856 ..... Pa Baltic amber

351.*Hersilia madagascarensis* (Wunderlich, 2004*e*) ..... Qt–R Madagas. copal

352.?*Hersilia miranda* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

† ***Hersiliana* Wunderlich, 2004*e*** ..... **Quaternary – Recent**

353.*Hersiliana brevipes* Wunderlich, 2004*e** ..... Qt Madagascan copal

***Hersiliola* Thorell, 1870** ..... **Palaeogene – Recent**

*Hersiliola* sp. *in* Selden & Wang (2014) ..... Pa Green River

† ***Prototama* Petrunkevitch, 1971** ..... **Neogene**

= † *Priscotama* Petrunkevitch, 1971

354.*Prototama antiqua* (Petrunkevitch, 1971) ..... Ne Chiapas amber

355.*Prototama maior* (Wunderlich, 1988) ..... Ne Dominican amber

356.*Prototama media* (Wunderlich, 1988) ..... Ne Dominican amber

357.*Prototama minor* (Wunderlich, 1987) ..... Ne Dominican amber

358.*Prototama succinea* Petrunkevitch, 1971* ..... Ne Chiapas amber

*Prototama* sp. *in* Wunderlich (1988) ..... Ne Dominican amber

† ***Spinasilia* Wunderlich, 2015*b*** ..... **Cretaceous**

359.*Spinasilia dissoluta* Wunderlich, 2015*b** ..... K Burmese amber

**Superfamily uncertain**

† **BURMASCUTIDAE Wunderlich, 2008*d*** ..... **Cretaceous**

† ***Burmascutum* Wunderlich, 2008*d*** ..... **Cretaceous**

360.*Burmascutum aenigma* Wunderlich, 2008*d** ..... K Burmese amber

**'CANOE TAPETUM' CLADE** ..... **Triassic – Recent**

**ORBICULARIAE Walckenaer, 1802** ..... **Triassic – Recent**

**DEINOPOIDEA C. L. Koch, 1851** ..... **Jurassic – Recent**

**Stem Deinopoidea**

† ***Zhizhu* Selden, Ren & Shih, 2016** ..... **Jurassic – Cretaceous**

361. *Zhizhu daohugouensis* Selden, Ren & Shih, 2016* ..... J Daohugou

362. *Zhizhu jeholensis* Selden, Ren & Shih, 2016 ..... K Jehol Biota

† **BURMADICTYNIDAE Wunderlich, 2017*c*** ..... **Cretaceous**

† ***Burmadictyna* Wunderlich, 2008*d*** ..... **Cretaceous**

?*Burmadictyna* sp. *in* Wunderlich (2015*b*) ..... K Burmese amber

*Burmadictyna* sp. indet *in* Wunderlich (2017*c*) ..... K Burmese amber

363.*Burmadictyna clava* Wunderlich, 2015*b* ..... K Burmese amber

364.*Burmadictyna excavata* Wunderlich, 2015*b* ..... K Burmese amber

365.*Burmadictyna pecten* Wunderlich, 2008*d** ..... K Burmese amber

366.*Burmadictyna postcopula* Wunderlich, 2017*c* ..... K Burmese amber

† ***Eodeinopis* Wunderlich, 2017*c*** ..... **Cretaceous**

367.*Eodeinopis longipes* Wunderlich, 2017c* ..... K Burmese amber

† **SALTICOIDIDAE Wunderlich, 2008*d*** ..... **Cretaceous**

† ***Palaeomicromennus* Penney, 2003** ..... **Cretaceous**

368.*Palaeomicromenneus lebanensis* Penney, 2003*b** ..... K Lebanese amber

† ***Salticoidus* Wunderlich, 2008*d*** ..... **Cretaceous**

369.*Salticoidus kaddumiorum* Wunderlich, 2008*d** ..... K Jordanian amber

**DEINOPIDAE C. L. Koch, 1851** ..... **Cretaceous – Recent**

***Deinopis* MacLeay, 1839** ..... **Quaternary – Recent**

370.*Deinopis* ?*madagascariensis* Lenz, 1886 **[Recent]** ..... Qt Madagascar copal

† ***Deinopoides* MacLeay, 1839** ..... **Cretaceous**

371.*Deinopoides tranquillus* Wunderlich, 2017*c* ..... K Burmese amber

***Menneus* Simon, 1876*b*** ..... **Palaeogene – Recent**

372.?*Menneus pietrzeniukae* Wunderlich, 2004*g* ..... Pa Baltic amber

?*Menneus* sp. 1–3 *in* Wunderlich (2004*g*) ..... Pa Baltic amber

**ULOBORIDAE Thorell, 1869** ..... **?Jurassic – Recent**

Uloboridae indet. *in* Wunderlich (2011*f*) ..... Qt Madagascar copal

Uloboridae indet. *in* Wunderlich, 2015*b* ..... K Burmese amber

Uloboridae *incerate sedis in* Selden & Wang (2014) ..... Pa Green River

† ***Bicalamistrum* Wunderlich, 2015*b*** ..... **Cretaceous**

373.*Bicalamistrum mixtum* Wunderlich, 2015*b* ..... K Burmese amber

† ***Burmuloborus* Wunderlich, 2008*d*** ..... **Cretaceous**

374.*Burmuloborus antefixus* Wunderlich, 2015*b* ..... K Burmese amber

375.*Burmuloborus parvus* Wunderlich, 2008*d** ..... K Burmese amber

376.?*Burmuloborus prolongatus* Wunderlich, 2015*b* ..... K Burmese amber

?*Burmuloborus* sp. indet. *in* Wunderlich, 2015*b* ..... K Burmese amber

† ***Eomiagrammopes* Wunderlich, 2004*f*** ..... **Palaeogene**

377.*Eomiagrammopes maior* Wunderlich, 2004*f* ..... Pa Baltic amber

378.*Eomiagrammopes minor* Wunderlich, 2004*f* ..... Pa Baltic amber

379.*Eomiagrammopes semiapertus* Wunderlich, 2011*h* ..... Pa Baltic amber

380.*Eomiagrammopes singularis* Wunderlich, 2004*f** ..... Pa Baltic amber

381.*Eomiagrammopes spinipes* Wunderlich, 2004*f* ..... Pa Baltic amber

*Eomiagrammopes* sp. 1–2 *in* Wunderlich (2004*f*) ..... Pa Baltic amber

?*Eomiagrammopes* sp. *in* Wunderlich (2004*f*) ..... Pa Baltic amber

† ***Furculoborus* Wunderlich, 2017*c*** ..... **Cretaceous**

382.*Furculoborus patellaris* Wunderlich, 2017*c* ..... K Burmese amber

† ***Hyptiomopes* Wunderlich, 2004*f*** ..... **Palaeogene**

383.*Hyptiomopes bitterfeldensis* Wunderlich 2004*f** ..... Pa Bitterfeld amber

*?Hyptiomopes* sp. *in* Wunderlich (2004*f*) ..... Pa Bitterfeld amber

***Hyptiotes* Walckenaer, 1837** ..... **Palaeogene – Recent**

= † *Androgeus* C. L. Koch & Berendt, 1854

384.*Hyptiotes convexus* Wunderlich, 2004*f* ..... Pa Baltic amber

385.*Hyptiotes glaber* Wunderlich, 2004*f* ..... Pa Baltic amber

386.*Hyptiotes saetosus* Wunderlich, 2004*f* ..... Pa Baltic amber

387.*Hyptiotes stellatus* Wunderlich, 2004*f* ..... Pa Baltic amber

388.*Hyptiotes triqueter* (C. L. Koch & Berendt, 1854) ..... Pa Baltic amber

† ***Jerseyuloborus* Wunderlich, 2011*i*** ..... **Cretaceous**

389.*Jerseyuloborus longisoma* Wunderlich, 2011*i** ..... K New Jersey amber

† ***Kachin* Wunderlich, 2017*c*** ..... **Cretaceous**

390. *Kachin fruticosus* Wunderlich, 2017*c** ..... K Burmese amber

391. *Kachin fruticosoides* Wunderlich, 2017*c** ..... K Burmese amber

***Miagrammopes* O. P.-Cambridge, 1870** ..... **Palaeogene – Recent**

392.*Miagrammopes dominicanus* Wunderlich, 2004*e* ..... Ne Dominican amber

*Miagrammopes* sp. *in* Penney (2001) ..... Ne Dominican amber

*Miagrammopes* sp. *in* Wunderlich (2011*f*) ..... Qt Madagascar copal

*Miagrammopes* sp. *in* Selden & Wang (2014) ..... Pa Green River

† ***Microuloborus* Wunderlich, 2015*b*** ..... **Cretaceous**

393.*Microuloborus birmanicus* Wunderlich, 2015*b** ..... K Burmese amber

† ***Ocululoborus* Wunderlich, 2012*d*** ..... **Cretaceous**

394.*Ocululoborus curvatus* Wunderlich, 2012*d** ..... K Burmese amber

† ***Opellianus* Wunderlich, 2004*f*** ..... **Palaeogene**

395.*Opellianus excellens* Wunderlich, 2004*f** ..... Pa Baltic amber

396.*Opellianus kazimierasi* Wunderlich 2004*f* ..... Pa Baltic amber

397.*Opellianus ludwigi* Wunderlich 2004*f* ..... Pa Baltic amber

† ***Palaeomiagrammopes* Wunderlich, 2008*d*** ..... **Cretaceous**

398.*Palaeomiagrammopes vesica* Wunderlich, 2008*d** ..... K Burmese amber

† ***Palaeouloborus* Selden, 1990** ..... **Cretaceous**

399.*Palaeouloborus lacasae* Selden, 1990* ..... K Sierra de Montsech

† ***Paramiagrammopes* Wunderlich, 2008*d*** ..... **Cretaceous**

400.*Paramiagrammopes cretaceus* Wunderlich, 2008*d** ..... K Burmese amber

401.*Paragrammopes* [sic] *longiclypeus* Wunderlich, 2015*b* ..... K Burmese amber

402.*Paramiagrammopes patellidens* Wunderlich, 2015*b* ..... K Burmese amber

*Paramiagrammopes* sp. *in* Wunderlich (2008*d*) ..... K Burmese amber

† ***Propterkachin* Wunderlich, 2017*c*** ..... **Cretaceous**

403.*Propterkachin magnoculus* Wunderlich, 2017*c** ..... K Burmese amber

† ***Talbragaraneus* Selden & Beattie, 2013 [tentative assignment]** ..... **Jurassic**

404.*Talbragaraneus jurassicus* Selden & Beattie, 2013* ..... J Talbragar, Australia

† ***Ulobomopes* Wunderlich, 2004*f*** ..... **Palaeogene**

405.*Ulobomopes unicus* Wunderlich, 2004*f** ..... Pa Baltic amber

† **MONGOLARACHNIDAE Selden, Shi & Ren, 2013** ..... **Jurassic – Cretaceous**

NB: Wunderlich (2017*c*) considered it a haplogyne spider family, close to Pholcochyroceridae

† ***Longissipalpus* Wunderlich, 2015*b*** ..... **Cretaceous**

406.*Longissipalpus cochlea* Wunderlich, 2017*c* ..... K Burmese amber

407.*Longissipalpus magnus* Wunderlich, 2015*b* ..... K Burmese amber

408.*Longissipalpus maior* Wunderlich, 2015*b* ..... K Burmese amber

409.*Longissipalpus minor* Wunderlich, 2015*b** ..... K Burmese amber

† ***Mongolarachne* Selden, Shi & Ren, 2013** ..... **Jurassic**

410.*Mongolarachne jurassica* (Selden, Shih & Ren, 2011)* ..... J Daohugou

† ***Pedipalparaneus* Wunderlich, 2015*b*** ..... **Cretaceous**

411.*Pedipalparaneus seldeni* Wunderlich, 2015*b** ..... K Burmese amber

**ARANEOIDEA Latreille, 1806** ..... **Jurassic – Recent**

Araneoidea fam. indet. *in* Wunderlich (2008*d*) ..... K Burmese amber

† ***Mesarania* Hong, 1984** ..... **Jurassic**

412.*Mesarania hebeiensis* Hong, 1984* ..... J Hebei, China

**CYATHOLIPIDAE Simon, 1894** ..... **Palaeogene – Recent**

= TEEMENAARIDAE Davies, 1978

† ***Balticolipus*** **Wunderlich, 2004*m*** ..... **Palaeogene**

413.*Balticolipus kruemmeri* Wunderlich, 2004*m** ..... Pa Baltic / Bitt. amber

† ***Cyathosuccinus*** **Wunderlich, 2004*m*** ..... **Palaeogene**

414.*Cyathosuccinus elongatus* Wunderlich, 2004*m** ..... Pa Baltic amber

† ***Erigolipus*** **Wunderlich, 2004*m*** ..... **Palaeogene**

415.*Erigolipus griswoldi* Wunderlich, 2004*m** ..... Pa Baltic amber

† ***Spinilipus*** **Wunderlich, 1993*b*** ..... **Palaeogene**

416.*Spinilipus bispinosus* Wunderlich, 2004*m* ..... Pa Bitterfeld amber

417.*Spinilipus curvatus* Wunderlich, 2004*m* ..... Pa Bitterfeld amber

418.*Spinilipus glinki* Wunderlich, 2004*m* ..... Pa Baltic amber

419.*Spinilipus kerneggeri* Wunderlich, 1993*b** ..... Pa Baltic amber

420.*Spinilipus longembolus* Wunderlich, 2004*m* ..... Pa Baltic amber

† ***Succinilipus*** **Wunderlich, 1993*b*** ..... **Palaeogene**

421.*Succinilipus abditus* Wunderlich, 2004*m* ..... Pa Baltic / Bitt. amber

422.*Succinilipus aspinosus* Wunderlich, 2004*m* ..... Pa Bitterfeld amber

423.*Succinilipus saxoniensis* Wunderlich, 1993*b* ..... Pa Bitterfeld amber

424.*Succinilipus similis* Wunderlich, 2004*m* ..... Pa Bitterfeld amber

425.*Succinilipus teuberi* Wunderlich, 1993*b** ..... Pa Baltic amber

*Succinilipus* sp. *in* Wunderlich (2004*m*) ..... Pa Baltic / Bitt. amber

**SYNOTAXIDAE Simon, 1894** ..... **Palaeogene – Recent**

† ***Acrometa*** **Petrunkevitch, 1942** ..... **Palaeogene**

= † *Eogonatium* Petrunkevitch, 1942

= † *Liticen* Petrunkevitch, 1942

= † *Theridiometa* Petrunkevitch, 1942

= † *Viocurus* Petrunkevitch, 1958

426.*Acrometa clava* Wunderlich, 2004*n* ..... Pa Baltic amber

427.*Acrometa cristata* Petrunkevitch, 1942* ..... Pa NE Europe ambers

i. = *Theridiometa edwardsi* Petrunkevitch, 1942 ..... Pa Baltic amber

ii. = *Viocurus fossilis* Petrunkevitch, 1958 ..... Pa Baltic amber

428.*Acrometa eichmanni* Wunderlich, 2004*n* ..... Pa Baltic amber

429.*Acrometa incidens* Wunderlich, 2004*n* ..... Pa Baltic amber

430.*Acrometa minutum* (Petrunkevitch, 1942) ..... Pa Baltic amber

431.*Acrometa pala* Wunderlich, 2004*n* ..... Pa Baltic amber

432.*Acrometa robusta* (Petrunkevitch, 1942) ..... Pa Baltic amber

433.*Acrometa pseudorobusta* Dunlop & Jekel, 2009 ..... Pa Baltic amber

i. = *Acrometa robusta* (Petrunkevitch, 1946) [preoccupied]

434.*Acrometa samlandica* (Petrunkevitch, 1942) ..... Pa Baltic amber

435.*Acrometa setosus* (Petrunkevitch, 1942) ..... Pa Baltic amber

436.*Acrometa succini* Petrunkevitch, 1942 ..... Pa Baltic amber

† ***Anandrus*** **Menge, 1856** ..... **Palaeogene**

= † *Elucus* Petrunkevitch, 1942

437.*Anandrus inermis* (Petrunkevitch, 1942) ..... Pa Baltic amber

438.*Anandrus infelix* (Petrunkevitch, 1950)* ..... Pa Baltic amber

439.*Anandrus quaesitus* (Petrunkevitch, 1958) ..... Pa Baltic amber

440.*Anandrus redemptus* (Petrunkevitch, 1958) ..... Pa Baltic amber

† ***Chelicerinus*** **Wunderlich, 2008*a*** ..... **Palaeogene**

441.*Chelicerinus abnormis* Wunderlich, 2008*a* ..... Pa Bitterfeld amber

† ***Cornuanandrus*** **Wunderlich, 1986** ..... **Palaeogene**

442.*Cornuanandrus bifurcatus* Wunderlich, 2004*n* ..... Pa Bitterfeld amber

443.*Cornuanandrus bitterfeldensis* Wunderlich, 2004*n* ..... Pa Bitterfeld amber

444.*Cornuanandrus corniculans* Wunderlich, 2004*n* ..... Pa Baltic amber

445.*Cornuanandrus maior* Wunderlich, 1986* ..... Pa Baltic amber

446.*Cornuanandrus minor* Wunderlich, 2004*n* ..... Pa Baltic amber

† ***Dubiosynotaxus*** **Wunderlich, 2004*n*** ..... **Palaeogene**

447.*Dubiosynotaxus perfectus* Wunderlich, 2004*n** ..... Pa Baltic amber

† ***Eosynotaxus*** **Wunderlich, 2004*n*** ..... **Palaeogene**

448.*Eosynotaxus bispinosus* Wunderlich, 2004*n* ..... Pa Baltic amber

449.*Eosynotaxus bitterfeldensis* Wunderlich, 2004*n* ..... Pa Bitterfeld amber

450.*Eosynotaxus custodens* Wunderlich, 2004*n* ..... Pa Baltic amber

451.*Eosynotaxus fastigatus* Wunderlich, 2004*n* ..... Pa Baltic amber

452.*Eosynotaxus paucispina* Wunderlich, 2004*n* ..... Pa Baltic amber

453.*Eosynotaxus spinipes* Wunderlich, 2004*n* ..... Pa Baltic amber

454.*Eosynotaxus wegneri* Wunderlich, 2004*n** ..... Pa Baltic amber

† ***Gibbersynotaxus*** **Wunderlich, 2004*n*** ..... **Palaeogene**

455.*Gibbersynotaxus parvus* Wunderlich, 2004*n** ..... Pa Baltic amber

† ***Protophysoglenes*** **Wunderlich, 2004*n*** ..... **Palaeogene**

456.*Protophysoglenes impressum* Wunderlich, 2004*n** ..... Pa Baltic amber

† ***Pseudoacrometa*** **Wunderlich, 1986** ..... **Palaeogene**

457.*Pseudoacrometa gracilipes* Wunderlich, 1986* ..... Pa Baltic amber

458.*Pseudoacrometa wittmanni* Wunderlich, 2004*n* ..... Pa Baltic amber

† ***Succinitaxus*** **Wunderlich, 2004*n*** ..... **Palaeogene**

459.*Succinitaxus brevis* Wunderlich, 2004*n** ..... Pa Baltic, Bitterfeld & Rovno amber

460.?*Succinitaxus minutus* Wunderlich, 2004*n* ..... Pa Baltic amber

† ***Sulcosynotaxus*** **Wunderlich, 2004*n*** ..... **Palaeogene**

461.*Sulcosynotaxus cavatus* Wunderlich, 2004*n** ..... Pa Baltic amber

**NESTICIDAE Simon, 1894** ..... **Palaeogene – Recent**

† ***Balticonesticus*** **Wunderlich, 1986** ..... **Palaeogene**

462.*Balticonesticus flexuosus* Wunderlich, 1986* ..... Pa Baltic amber

***Eidmanella* Roewer, 1935** ..... **Quaternary**

463.*Eidmanella pallida* (Emerton, 1875) **[Recent]** ..... Qt Madagascar copal

† ***Eopopino* Petrunkevitch, 1942** ..... **Palaeogene**

464.*Eopopino budrysi* Eskov & Marusik, 1992 ..... Pa Baltic amber

465.*Eopopino inopinatus affinis* Wunderlich, 1986 ..... Pa Baltic amber

466.*Eopopino inopinatus inopinatus* Wunderlich, 1986 ..... Pa Baltic amber

467.*Eopopino longipes* Petrunkevitch, 1942* ..... Pa Baltic amber

468.*Eopopino palanga* Eskov & Marusik, 1992 ..... Pa Baltic amber

469.*Eopopino rarus rarus* Wunderlich, 1986 ..... Pa Baltic amber

470.*Eopopino rarus solitarius* Wunderlich, 1986 ..... Pa Baltic amber

471.*Eopopino rudloffi* Wunderlich, 2004*o* ..... Pa Bitterfeld amber

*Eopopino* sp. *in* Wunderlich (1986) ..... Pa Bitterfeld amber

† ***Heteronesticus* Wunderlich, 1986** ..... **Palaeogene**

472.*Heteronesticus magnoparacymbialis* Wunderlich, 1986* ..... Pa Baltic amber

† ***Hispanonesticus* Wunderlich, 1986** ..... **Neogene**

473.*Hispanonesticus latopalpus* Wunderlich, 1986* ..... Ne Dominican amber

**THERIDIIDAE Sundevall, 1833** ..... **?Cretaceous – Recent**

= PHYCOIDAE Thorell, 1873

= EPISINIDAE O. P.-Cambridge, 1879*a*

= HADROTARSIDAE Thorell, 1881

?Theridiidae gen. et sp. indet *in* McAlpine & Martin (1969) ..... K Canadian amber

Theridiidae gen. et sp. *in* Nishikawa (1974) ..... Qt Mizunami copal

***Achaearanea* Strand, 1929** ..... **Neogene – Recent**

474.*Achaearanea extincta* Wunderlich, 1988 ..... Ne Dominican amber

*Achaearanea* sp. *in* Wunderlich (1988) ..... Ne Dominican amber

***Argyrodes* Simon, 1864** ..... **Neogene – Recent**

475.*Argyrodes (Ariamnes) copalis* Wunderlich, 2008*b* ..... Qt Colombian copal

476.*Argyrodes (Ariamnes) resina* Wunderlich, 2011*f* ..... Qt Madagascar copal

477.*Argyrodes (Rhomphaea) gibbifera* Wunderlich, 2004*as* ..... Qt Madagascar copal

478.*Argyrodes parvipatellaris* Wunderlich, 1988 ..... Ne Dominican amber

*Argyrodes* sp. *in* Wunderlich (1988) ..... Ne Dominican amber

† ***Balticoridion* Wunderlich, 2008*b*** ..... **Palaeogene**

479.*Balticoridion dubium* Wunderlich, 2008*b** ..... Pa Baltic / Bitt. amber

† ***Balticpholcomma* Wunderlich, 2008*b*** ..... **Palaeogene**

480.*Balticpholcomma scutatum* Wunderlich, 2008*b** ..... Pa Baltic amber

† ***Caudasinus* Wunderlich, 2008*b*** ..... **Palaeogene**

481.*Caudasinus bispinosus* Wunderlich, 2008*b* ..... Pa Baltic amber

482.*Caudasinus caudatus* Wunderlich, 2008*b** ..... Pa Baltic amber

483.*Caudasinus regeneratus* Wunderlich, 2008*b* ..... Pa Baltic amber

*Caudasinus* sp. *in* Wunderlich (2008*b*) ..... Pa Baltic amber

***Chrosiothes* Simon, 1894** ..... **Neogene – Recent**

484.*Chrosiothes biconigerus* Wunderlich, 1988 ..... Ne Dominican amber

485.*Chrosiothes curvispinosus* Wunderlich, 1988 ..... Ne Dominican amber

486.*Chrosiothes emulgatus* Wunderlich, 1988 ..... Ne Dominican amber

487.*Chrosiothes longispinosus* Wunderlich, 1988 ..... Ne Dominican amber

488.*Chrosiothes monoceros* Wunderlich, 1988 ..... Ne Dominican amber

489.*Chrosiothes tumulus* Wunderlich, 1988 ..... Ne Dominican amber

490.*Chrosiothes unicornis* Wunderlich, 1988 ..... Ne Dominican amber

***Chrysso* O. P.-Cambridge, 1882*a*** ..... **Neogene – Recent**

491.*Chrysso conspicua* Wunderlich, 1988..... Ne Dominican amber

492.*Chrysso dubia* Wunderlich, 1988 ..... Ne Dominican amber

† ***Clavibertus* Wunderlich, 2008*b*** ..... **Palaeogene**

493.*Clavibertus parvus* Wunderlich, 2008*b* ..... Pa Baltic amber

494.*Clavibertus prominens* Wunderlich, 2008*b** ..... Pa Baltic amber

† ***Clya* C. L. Koch & Berendt, 1854** ..... **Palaeogene**

495.*Clya abdita* Wunderlich, 2008*b* ..... Pa Baltic amber

496.*Clya lugubris* C. L. Koch & Berendt, 1854* ..... Pa Baltic / Rovno amber

497.*Clya calefacta* Wunderlich, 2008*b* ..... Pa Baltic amber

498.*Clya gracilis* (Petrunkevitch, 1958) ..... Pa Baltic amber

499.*Clya granulata* (C. L. Koch & Berendt, 1854) ..... Pa Baltic amber

500.*Clya obscura* (C. L. Koch & Berendt, 1854) ..... Pa Baltic amber

501.*Clya rotata* Wunderlich, 2008*b* ..... Pa Baltic amber

502.*Clya supercalefacta* Wunderlich, 2008*b* ..... Pa Baltic amber

503.*Clya superspiralis* Wunderlich, 2008*b* ..... Pa Baltic amber

504.*Clya tricurvata* Wunderlich, 2008*b* ..... Pa Baltic amber

† ***Cornutidion* Wunderlich, 1988** ..... **Neogene**

505.*Cornutidion elongatum* Wunderlich, 1988* ..... Ne Dominican amber

***Craspedisia* Simon, 1894** ..... **Neogene – Recent**

506.*Craspedisia yapchoontecki* Penney & Marusik *in* Penney *et al*. (2012*b*) ..... Ne Dominican amber

† ***Cretotheridion* Wunderlich, 2015*b*** ..... **Cretaceous**

507.*Cretotheridion inopinatum* Wunderlich, 2015*b** ..... K Burmese amber

† ***Cymbiopholcomma* Wunderlich, 2008*b*** ..... **Palaeogene**

508.*Cymbiopholcomma dudum* Wunderlich, 2008*b** ..... Pa Baltic amber

509.*Cymbiopholcomma spiculum* Wunderlich, 2008*b* ..... Pa Baltic amber

† ***Dipoenata* Wunderlich, 1988** ..... **Neogene**

510.*Dipoenata altioculata* Wunderlich, 1988 ..... Ne Dominican amber

511.*Dipoenata cala* Wunderlich, 1988 ..... Ne Dominican amber

512.*Dipoenata clypeata* Wunderlich, 1988 ..... Ne Dominican amber

513.*Dipoenata globulus* Wunderlich, 1988 ..... Ne Dominican amber

514.*Dipoenata praedominicana* (Wunderlich, 1986) ..... Qt Dominican copal

515.*Dipoenata stipes* Wunderlich, 1988* ..... Ne Dominican amber

516.*Dipoenata yolandae* Wunderlich, 1988 ..... Ne Dominican amber

*Dipoenata* sp. *in* Wunderlich (1988) ..... Ne Dominican amber

† ***Eoasagena* Wunderlich, 2008*b*** ..... **Palaeogene**

517.*Eoasagena scutata* Wunderlich, 2008*b** ..... Pa Baltic amber

† ***Eolyrifer* Wunderlich, 2008*b*** ..... **Palaeogene**

518.*Eolyrifer longitibialis* Wunderlich, 2008*b** ..... Pa Baltic amber

† ***Eomysmena* Petrunkevitch, 1942** ..... **Palaeogene – Neogene**

= † *Antopia* Menge *in* C. L. Koch & Berendt, 1854 [tentative synonomy]

= † *Astodipoena* Petrunkevitch, 1958

= † *Eodipoena* Petrunkevitch, 1942

519.*Eomysmena asta* Petrunkevitch, 1971 ..... Ne Chiapas amber

520.*Eomysmena aviceps* Wunderlich, 2008*b* ..... Pa Baltic amber

521.*Eomysmena calefacta* Wunderlich, 2008*b* ..... Pa Baltic amber

522.*Eomysmena crassa* (Petrunkevitch, 1958) ..... Pa Baltic amber

523.*Eomysmena baltica* Petrunkevitch, 1946 ..... Pa Baltic amber

524.'*Eomysmena*' *bassleri* (Petrunkevitch, 1942) ..... Pa Baltic amber

525.?*Eomysmena kaestneri* (Petrunkevitch, 1958) ..... Pa Baltic amber

526.*Eomysmena militaris* (C. L. Koch & Berendt, 1854) ..... Pa Baltic amber

527.*Eomysmena moritura* Petrunkevitch, 1942* ..... Pa Baltic amber

i. = *Eomysmena consulta* (Petrunkevitch, 1958)

[tentative synonomy] ..... Pa Baltic amber

528.*Eomysmena nielseni* (Petrunkevitch, 1958) ..... Pa Baltic amber

529.*Eomysmena oculata* (Petrunkevitch, 1942) ..... Pa Baltic amber

530.*Eomysmena punctulata* (C. L. Koch & Berendt, 1854) ..... Pa Baltic amber

531.*Eomysmena recta* Wunderlich, 2008*b* ..... Pa Baltic amber

532.*Eomysmena tenera* (Menge *in* C. L. Koch & Berendt, 1854) ..... Pa Baltic amber

*Eomysmena* spp*. in* Wunderlich 2008*b* ..... Pa Baltic / Bitt. Amber

† ***Eoteutana* Wunderlich, 2008*b*** ..... **Palaeogene**

533.*Eoteutana hirsuta* Wunderlich, 2008*b** ..... Pa Baltic amber

***Episinus* Latreille, 1809** ..... **Palaeogene – Recent**

= † *Flegia* C. L. Koch & Berendt, 1854

= † *Impulsor* Petrunkevitch, 1942

= † *Malleator* Petrunkevitch, 1942

= † *Mictodipoena* Petrunkevitch, 1958

= † *Municeps* Petrunkevitch, 1942 [tentative synonomy]

534.*Episinus anapidaeque* Wunderlich, 2008*b* ..... Pa Baltic amber

535.*Episinus antecognatus* Wunderlich, 1986 ..... Qt Dominican copal

536.*Episinus appendix* Wunderlich, 2008*b* ..... Pa Baltic amber

537.*Episinus arrodens* Wunderlich, 2008*b* ..... Pa Baltic amber

538.*Episinus balticus* Marusik & Penney, 2004 ..... Pa Baltic / Bitt. amber

539.*Episinus brevipalpus* Wunderlich, 1988 ..... Ne Dominican amber

540.*Episinus bulla* Wunderlich, 2008*b* ..... Pa Baltic amber
541.*Episinus chiapasanus* (Petrunkevitch, 1971) ..... Ne Chiapas amber
542.*Episinus clunis* Wunderlich, 2008*b* ..... Pa Baltic amber
543.*Episinus cochlear* Wunderlich, 2008*b* ..... Pa Baltic amber
544.*Episinus cornutus* Wunderlich, 1988 ..... Ne Dominican amber
545.*Episinus cymbialis* Wunderlich, 2008*b* ..... Pa Baltic amber
546.*Episinus dimidius* Wunderlich, 2008*b* ..... Pa Baltic amber
547.*Episinus eskovi* Marusik & Penney, 2004 ..... Pa Baltic amber
548.*Episinus isopteraque* Wunderlich, 2008*b* ..... Pa Baltic amber
549.*Episinus latus* Wunderlich, 2008*b* ..... Pa Baltic amber
550.*Episinus longimanus* (C. L. Koch & Berendt, 1854) ..... Pa Baltic amber
i. = *Malleator niger* Petrunkevitch, 1942 ..... Pa Baltic amber
551.*Episinus longisoma* Wunderlich, 2008*b* ..... Pa Baltic amber
552.*Episinus minutus* (Petrunkevitch, 1958) ..... Pa Baltic amber
553.*Episinus mordellidaeque* Wunderlich, 2008*b* ..... Pa Baltic amber
554.*Episinus musculus* Wunderlich, 2008*b* ..... Pa Baltic amber
555.*Episinus mutilus* (Petrunkevitch, 1958) ..... Pa Baltic amber
556.*Episinus nausticymbium* Wunderlich, 2008*b* ..... Pa Baltic amber
557.*Episinus neglectus* (Petrunkevitch, 1942) ..... Pa Baltic amber
558.*Episinus penneyi* Garcia-Villafuerte, 2006*a* ..... Ne Chiapas amber
559.*Episinus praecognatus* Wunderlich, 1982 ..... Ne Dominican amber
560.*Episinus pulcher* (Petrunkevitch, 1942) ..... Pa Baltic amber
561.*Episinus regalis* (Petrunkevitch, 1958) ..... Pa Baltic amber
562.*Episinus stridulus* (Petrunkevitch, 1958) ..... Pa Baltic amber
563.*Episinus tibiaseta* Wunderlich, 2011*g* ..... Ne Dominican amber
564.*Episinus transversus* Wunderlich, 2008*b* ..... Pa Baltic amber
565.*Episinus tuberosus* Wunderlich, 1988 ..... Ne Dominican amber
*Episinus spp. in* Wunderlich (2008*b*) ..... Pa Baltic amber

***Euryopis* Menge, 1868** ..... **Palaeogene – Recent**

566.?*Euryopis araneoides* Wunderlich, 2008*b* ..... Pa Baltic amber
567.*Euryopis bitterfeldensis* Wunderlich, 2008*b* ..... Pa Baltic / Bitt. amber
568.*Euryopis nexus* Wunderlich, 2008*b* ..... Pa Baltic amber
569.*Euryopis streyi* Wunderlich, 2008*b* ..... Pa Baltic / Bitt. Amber
*Euryopis*/*Emertonella* complex *in* Penney *et al*. (2012*c*) ..... Qt Colombian copal

† ***Euryopus* Menge *in* C. L. Koch & Berendt, 1854** ..... **Palaeogene**

570.*Euryopus gracilipes* Menge *in* C. L. Koch & Berendt, 1854* ..... Pa Baltic amber

***Faiditus* Keyserling, 1884** ..... **Neogene – Recent**

571.*Faiditus crassipatellaris* (Wunderlich, 1988) ..... Ne Dominican amber

† ***Femurraptor* Wunderlich, 2011*g*** ..... **Neogene**

572.*Femurraptor dominicanus* Wunderlich, 2011*g** ..... Ne Dominican amber

† ***Globulidion* Wunderlich, 2008*b*** ..... **Palaeogene**

573.*Globulidion cochlea* Wunderlich, 2008*b** ..... Pa Baltic amber

† ***Hirsutipalpus* Wunderlich, 2008*b*** ..... **Palaeogene**

574.*Hirsutipalpus varipes* Wunderlich, 2008*b** ..... Pa Baltic / Bitt. Amber

† ***Kochiuridion* Wunderlich, 2008*b*** ..... **Palaeogene**

575.*Kochiuridion scutatum* Wunderlich, 2008*b** ..... Pa Baltic / Bitt. amber

***Lasaeola* Simon, 1881** ..... **Palaeogene – Recent**

= † *Nactodipoena* Petrunkevitch, 1942 [a subgenus *in* Wunderlich (2008*b*)]

576.*Lasaeola acumen* Wunderlich, 2008*b* ..... Pa Baltic amber

577.*Lasaeola baltica* (Marusik & Penney, 2004) ..... Pa Baltic amber

578.*Lasaeola bitterfeldensis* Wunderlich, 2008*b* ..... Pa Bitterfeld amber

579.*Lasaeola communis* Wunderlich, 2008*b* ..... Pa Baltic amber

580.*Lasaeola (Nactodipoena) dunbari* (Petrunkevitch, 1942) ..... Pa Baltic amber

581.?*Lasaeola furca* Wunderlich, 2008*b* ..... Pa Baltic amber

582.*Lasaeola germanica* (Petrunkevitch, 1958) ..... Pa Baltic amber

583.*Lasaeola* (*Phycosoma*) *inclinata* Wunderlich, 2012*a* ..... Qt Madagascan copal

584.*Lasaeola infulata* (C. L. Koch & Berendt, 1854) ..... Pa Baltic / Bitt. Amber

585.*Lasaeola larvaque* Wunderlich, 2008*b* ..... Pa Baltic amber

586.*Lasaeola latisulci* Wunderlich, 2008*b* ..... Pa Baltic amber

587.*Lasaeola pristina* (Wunderlich, 1986) ..... Ne Dominican amber

588.*Lasaeola puta* Wunderlich, 1988 ..... Ne Dominican amber

589.*Lasaeola sexsaetosa* Wunderlich, 2008*b* ..... Pa Baltic amber

590.?*Lasaeola sigillata* Wunderlich, 2008*b* ..... Pa Bitterfeld amber

591.*Lasaeola vicina* (Wunderlich, 1982) ..... Ne Dominican amber

592.*Lasaeola vicinoides* Wunderlich, 1988 ..... Ne Dominican amber

*Lasaeola* sp. *in* Wunderlich (1988) ..... Ne Dominican amber

*Lasaeola* spp. *in* Wunderlich (2008*b*) ..... Pa Baltic / Bitt. amber

† ***Medela* Petrunkevitch, 1942** [?Theridiidae, cf. Wunderlich (2008*b*)] ..... **Palaeogene**

593.*Medela baltica* Petrunkevitch, 1942* ..... Pa Baltic amber

† ***Mimetidion* Wunderlich, 2008*b*** ..... **Palaeogene**

594.*Mimetidion furca* Wunderlich, 2008*b** ..... Pa Baltic amber

† ***Nanomysmena* Petrunkevitch, 1958** ..... **Palaeogene**

595.*Nanomysmena aculeata* Petrunkevitch, 1958 ..... Pa Baltic amber

596.*Nanomysmena munita* Petrunkevitch, 1958 ..... Pa Baltic amber

597.*Nanomysmena palanga* Marusik & Penney, 2004 ..... Pa Baltic amber

598.*Nanomysmena petrunkevitchi* Marusik & Penney, 2004 ..... Pa Baltic amber

599.*Nanomysmena pseudogracilis* Marusik & Penney, 2004 ..... Pa Baltic amber

† ***Nanosteatoda* Wunderlich, 2008*b*** ..... **Palaeogene**

600.*Nanosteatoda breviscutum* Wunderlich, 2008*b* ..... Pa Baltic amber

601.*Nanosteatoda trisetae* Wunderlich, 2008*b* ..... Pa Baltic amber

† ***Obscuropholcomma* Wunderlich, 2008*b*** ..... **Palaeogene**

602.*Obscuropholcomma tegens* Wunderlich, 2008*b** ..... Pa Baltic amber

*Obscuropholcomma* sp. *in* Wunderlich (2012*b*) ..... Pa Rovno amber

***Phoroncidia* Westwood, 1835** ..... **Quaternary – Recent**

603.*Phoroncidia* ?*aculeata* Westwood, 1835 **[Recent]** ..... Qt Madagascan copal

***Platnickina* Koçak & Kemal, 2008** ..... **Quaternary – Recent**

604.*Platnickina duosetae* Wunderlich, 2012*a* ..... Qt Madagascan copal

† ***Praetereuryopis* Wunderlich, 2008*b*** ..... **Palaeogene**

605.*Praetereuryopis phoroncidoides* Wunderlich, 2008*b** ..... Pa Baltic amber

† ***Pronepos* Petrunkevitch, 1963** ..... **Neogene**

606.*Pronepos exilis* Petrunkevitch, 1963* ..... Ne Chiapas amber

607.*Pronepos fossilis* Petrunkevitch, 1963 ..... Ne Chiapas amber

† ***Protosteatoda* Wunderlich, 2008*b*** ..... **Palaeogene**

608.*Protosteatoda gutta* Wunderlich, 2008*b* ..... Pa Baltic amber

† ***Pseudoteutana* Wunderlich, 2008*b*** ..... **Palaeogene**

609.*Pseudoteutana stigmatosa* (C. L. Koch & Berendt, 1854) ..... Pa Baltic amber

i. = *Eomysmena stridens* Petrunkevitch, 1958 ..... Pa Baltic amber

ii. = *Flegia succini* Petrunkevitch, 1942 ..... Pa Baltic amber

† ***Rugapholcomma* Wunderlich, 2008*b*** ..... **Palaeogene**

610.*Rugopholcomma patellaris* Wunderlich, 2008*b** ..... Pa Baltic amber

† ***Spinisinus* Wunderlich, 2008*b*** ..... **Palaeogene**

611.*Spinisinus parvioculi* Wunderlich, 2008*b* ..... Pa Baltic amber

612.*Spinisinus splendidus* Wunderlich, 2008*b** ..... Pa Baltic amber

† ***Spinitharinus* Wunderlich, 2008*b*** ..... **Palaeogene**

613.*Spinitharinus bulbosus* Wunderlich, 2008*b** ..... Pa Baltic / Bitt. amber

614.*Spinitharinus cheliceratus* Wunderlich, 2008*b* ..... Pa Baltic / Bitt. amber

615.*Spinitharinus coniectens* Wunderlich, 2008*b* ..... Pa Baltic amber

616.*Spinitharinus curvatus* Wunderlich, 2008*b* ..... Pa Baltic amber

617.*Spinitharinus cymbioseta* Wunderlich, 2008*b* ..... Pa Baltic amber

*Spinitharinus* spp. *in* Wunderlich (2008*b*) ..... Pa Baltic amber

***Spintharus* Hentz, 1850** ..... **Neogene – Recent**

618.*Spintharus longisoma* Wunderlich, 1988 ..... Ne Dominican amber

***Steatoda* Sundevall, 1833** ..... **?Palaeogene – Recent**

619.'*Steatoda*' *anticus* (Berland, 1939) ..... Pa Baltic amber

***Stemmops* O. P.-Cambridge, 1894** ..... **Neogene – Recent**

620.*Stemmops incertus* Wunderlich, 1988 ..... Ne Dominican amber

621.*Stemmops prominens* Wunderlich, 1988 ..... Ne Dominican amber

***Styposis* Simon, 1894** ..... **Neogene – Recent**

622.*Styposis pholcoides* Wunderlich, 1988 ..... Ne Dominican amber

† ***Succinobertus* Wunderlich, 2008*b*** ..... **Palaeogene**

623.*Succinobertus adjacens* Wunderlich, 2008*b** ..... Pa Baltic / Bitt. Amber

† ***Succinura* Wunderlich, 2008*b*** ..... **Palaeogene**

624.*Succinura aciesaeta* Wunderlich, 2008*b* ..... Pa Baltic amber

625. *Succinura bellavista* Wunderlich, 2008*b** ..... Pa Baltic amber
626. *Succinura circuita* Wunderlich, 2008*b* ..... Pa Baltic amber
627. *Succinura dubia* Wunderlich, 2008*b* ..... Pa Baltic amber
628. *Succinura fuscoruber* Wunderlich, 2008*b* ..... Pa Baltic amber
629. *Succinura ovalis* Wunderlich, 2008*b* ..... Pa Baltic amber
*Succinura* sp. *in* Wunderlich (2008b) ..... Pa Baltic amber

***Theridion* Walckenaer, 1805** ..... **?Cretaceous – Recent**

630. '*Theridion*' *alutaceum* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber
631. *Theridion annulipes* Heer, 1865 ..... Ne Öhningen
632. *Theridion atalus* Chang, 2004 [both generic and familial assignment unreliable!] ..... K Jehol Biota
633. '*Theridion*' *berendti* Marusik & Penney, 2004 ..... Pa Baltic amber
i. = *Theridion globosa* C. L. Koch & Berendt, 1854 [preoccupied]
634. *Theridion bucklandi* Thorell, 1870*a* ..... Pa Aix-en-Provence
635. *Theridion contrarium* Wunderlich, 1988 ..... Ne Dominican amber
636. *Theridion crassipalpum* Berland, 1939 ..... Pa Aix-en-Provence
637. '*Theridion*' *detersum* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber
638. *Theridion erectoides* Wunderlich, 1988 ..... Ne Dominican amber
639. *Theridion erectum* Wunderlich, 1988 ..... Ne Dominican amber
640. '*Theridion*' *globosus* (Presl, 1822) ..... Pa Baltic amber
641. *Theridion globulus* Heer, 1865 ..... Ne Öhningen
642. '*Theridion*' *hirtum* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber
643. *Theridion inversum* Wunderlich, 1988 ..... Ne Dominican amber
644. *Theridion maculipes* Heer, 1865 ..... Ne Öhningen
645. '*Theridion*' *oblongum* (Presl, 1822) ..... Pa Baltic amber
646. '*Theridion*' *ovale* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber
647. '*Theridion*' *ovatum* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber
648. '*Theridion*' *simplex* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber
649. *Theridion variosoma* Wunderlich, 1988 ..... Ne Dominican amber
650. *Theridion wunderlichi* Penney, 2001 ..... Ne Dominican amber
i. = *Theridion ovale* Wunderlich, 1988 [preoccupied]

† ***Thyelia* C. L. Koch & Berendt, 1854** ..... **Palaeogene**

651. *Thyelia anomala* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber
652. *Thyelia convexa* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber
653. *Thyelia fossula* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber
654. *Thyelia marginata* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber
655. *Thyelia pallida* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber
656. *Thyelia scotina* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber
657. *Thyelia tristis* C. L. Koch & Berendt, 1854* ..... Pa Baltic amber
658. *Thyelia villosa* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

***Ulesanis* L. Koch, 1872** ..... **Palaeogene – Recent**

659.*Ulesanis antecessor* Wunderlich, 2008*b* ..... Pa Baltic Amber

660.*Ulesanis frontprocera* Wunderlich, 2008*b* ..... Pa Baltic Amber

661.*Ulesanis longicymbium* Wunderlich, 2008*b* ..... Pa Baltic Amber

662.*Ulesanis ovalis* Wunderlich, 2008*b* ..... Pa Baltic / Bitt. amber

663.*Ulesanis parva* Wunderlich, 2008*b* ..... Pa Baltic / Bitt. amber

† ***Unispinatoda* Wunderlich, 2008*b*** ..... **Palaeogene**

664.*Unispinatoda aculeata* Wunderlich, 2008*b** ..... Pa Baltic / Bitt. Amber

† ***Vicipholcomma* Wunderlich, 2008*b*** ..... **Palaeogene**

665.*Vicipholcomma spiralis* Wunderlich, 2008*b** ..... Pa Baltic Amber

**Theridiidae *incertae sedis***

666.'*Eomysmena*' *succini* (Petrunkevitch, 1942) ..... Pa Baltic amber

667.*'Anelosimus' clypeatus* Wunderlich, 1988 ..... Ne Dominican amber

**THERIDIOSOMATIDAE Simon, 1881** ..... **Cretaceous – Recent**

Theridiosomatidae gen. et sp. indet *in* Wunderlich (2004*i*) ..... Pa Baltic amber

Theridiosomatidae gen. et sp. indet *in* Wunderlich (2011*f*) ..... Qt Madagascar copal

***Baalzebub* Coddington, 1986** ..... **?Cretaceous – Recent**

668.?*Baalzebub mesozoicum* Penney, 2014 ..... K Vendée amber

† ***Eocoddingtonia* Selden, 2010** ..... **Cretaceous**

669.*Eocoddingtonia eskovi* Selden, 2010* ..... K Baissa, Transbaikalia

† ***Eoepeirotypus* Wunderlich, 2004*j*** ..... **Palaeogene**

670.*Eoepeirotypus retrobulbus* Wunderlich, 2004*j** ..... Pa Baltic amber

*Eoepeirotypus* sp. *in* Wunderlich (2004) ..... Pa Bitterfeld amber

† ***Eotheridiosoma* Wunderlich, 2004*j*** ..... **Palaeogene**

671.?*Eotheridiosoma hamatum* Wunderlich, 2011*e* ..... Pa Baltic amber

672.*Eotheridiosoma tuber* Wunderlich, 2004*j** ..... Pa Bitterfeld amber

673.*Eotheridiosoma volutum* Wunderlich, 2004*j* ..... Pa Bitterfeld amber

† ***Leviunguis* Wunderlich, 2012*d*** ..... **Cretaceous**

674.*Leviunguis bruckschi* Wunderlich, 2012*d** ..... K Burmese amber

† ***Palaeoepeirotypus* Wunderlich, 1988** ..... **Neogene**

675.*Palaeoepeirotypus iuvenis* Wunderlich, 1988* ..... Ne Dominican amber

676.*Palaeoepeirotypus iuvenoides* Wunderlich, 1988 ..... Ne Dominican amber

† ***Spinitheridiosoma* Wunderlich, 2004*j*** ..... **Palaeogene**

NB: type species designated from the wrong genus!

677.*Spinitheridiosoma balticum* Wunderlich, 2004*j* ..... Pa Baltic amber

678.*Spinitheridiosoma bispinosum* Wunderlich, 2004*j* ..... Pa Bitterfeld amber

679.*Spinitheridiosoma rima* Wunderlich, 2004*j* ..... Pa Baltic amber

***Theridiosoma* O. P.-Cambridge, 1879*b*** ..... **Neogene – Recent**

680.*Theridiosoma incompletum* Wunderlich, 1988 ..... Ne Dominican amber

† ***Umerosoma* Wunderlich, *2004j*** ..... **Palaeogene**

681.*Umerosoma multispina* Wunderlich, 2004*j** ..... Pa Baltic amber

**SYMPHYTOGNATHIDAE Hickman, 1931** ..... **Recent**

no fossil record

**ANAPIDAE Simon, 1895** ..... **Palaeogene – Recent**

= TEXTRICELLIDAE Hickman, 1945

† ***Balticonopsis* Wunderlich, 2004*k*** ..... **Palaeogene**

682.*Balticonopsis bispina* Wunderlich, 2004*k* ..... Pa Baltic amber

683.*Balticonopsis bitterfeldensis* Wunderlich, 2004*k* ..... Pa Bitterfeld amber

684.*Balticonopsis bulbosa* Wunderlich, 2004*k* ..... Pa Baltic amber

685.*Balticonopsis ceranowiczae* Wunderlich, 2004*k* ..... Pa Baltic amber

686.*Balticonopsis distalis* Wunderlich, 2017*a* ..... Pa Baltic amber

687.*Balticonopsis dunlopi* Wunderlich, 2017*a* ..... Pa Baltic amber

688.*Balticonopsis holti* Wunderlich, 2004*k** ..... Pa Baltic amber

689.*Balticonopsis ludwigi* Wunderlich, 2017*a* ..... Pa Bitterfeld amber

690.*Balticonopsis metatarsalis* Wunderlich, 2017*a* ..... Pa Baltic amber

691.*Balticonopsis perkovskyi* Wunderlich, 2004*ar* ..... Pa Rovno amber

probably belongs to a different genus (cf. Wunderlich 2017*a*)

692.*Balticonopsis thomasi* Wunderlich, 2004*k* ..... Pa Baltic amber

*Balticonopsis* sp. *in* Wunderlich (2004*k*) ..... Pa Baltic amber

† ***Dubianapis* Wunderlich, 2004*k*** ..... **Palaeogene**

693.*Dubianapis obscura* Wunderlich, 2004*k** ..... Pa Baltic amber

† ***Flagellanapis* Wunderlich, 2004*k*** ..... **Palaeogene**

694.*Flagellanapis voigti* Wunderlich, 2004*k** ..... Pa Baltic/Bitt. Amber

† ***Fossilanapis* Wunderlich, 2004*k*** ..... **Palaeogene**

695.*Fossilanapis anderseri* Wunderlich, 2004*k* ..... Pa Baltic amber

696.*Fossilanapis baetcheri* Wunderlich, 2004*k** ..... Pa Baltic amber

697.*Fossilanapis eichmanni* Wunderlich, 2004*k* ..... Pa Baltic amber

698.*Fossilanapis flexiotarsus* Wunderlich, 2004*k* ..... Pa Baltic amber

699.*Fossilanapis multispinae* Wunderlich, 2011*h* ..... Pa Baltic amber

700.*Fossilanapis saltans* Wunderlich, 2004*k* ..... Pa Baltic amber

701.*Fossilanapis unispinum* Wunderlich, 2004*k* ..... Pa Baltic amber

*Fossilanapis* sp. *in* Wunderlich (2004*k*) ..... Pa Bitterfeld amber

*Fossilanapis* sp. *in* Wunderlich (2011*h*) ..... Pa Baltic amber

† ***Palaeoanapis* Wunderlich, 1988** ..... **Neogene**

702.*Palaeoanapis nana* Wunderlich, 1988* ..... Ne Dominican amber

† ***Ruganapis* Wunderlich, 2004*k*** ..... **Palaeogene**

703.*Ruganapis scutata* Wunderlich, 2004*k** ..... Pa Baltic amber

† ***Saxonanapis* Wunderlich, 2004*k*** ..... **Palaeogene**

704.*Saxonanapis grabenhorsti* Wunderlich, 2004*k** ..... Pa Baltic/Bitt. Amber

† ***Tuberanapis* Wunderlich, 2004*k*** ..... **Palaeogene**

705.*Tuberanapis parvibulbus* Wunderlich, 2004*k** ..... Pa Baltic amber

**COMAROMIDAE Wunderlich, 2004** [stat. nov. 2011] ..... **Palaeogene – Recent**

† ***Balticoroma* Wunderlich, 2004*k*** ..... **Palaeogene**

= † *Balticorma* [*sic*] Weitschat & Wichard, 2002 [*nomen nudum*]

706. *Balticoroma damzeni* Wunderlich, 2011*h* ..... Pa Baltic amber

707. *Balticoroma ernstorum* Wunderlich, 2004*k* ..... Pa Baltic/Bitt. amber

708. *Balticoroma gracilipes* Wunderlich 2004*k* ..... Pa Baltic/Bitt. amber

709. *Balticoroma reschi* Wunderlich, 2004*k** ..... Pa Baltic amber

710. *Balticoroma serafinorum* Wunderlich, 2004*k* ..... Pa Baltic/Bitt. amber

711. *Balticoroma tibialis* Wunderlich, 2004*k* ..... Pa Baltic amber

712. *Balticoroma wheateri* Penney & Marusik *in* Penney *et al.* (2011) ..... Pa Baltic amber

**MYSMENIDAE Petrunkevitch, 1928** ..... **Palaeogene – Recent**

Mysmeninae sp. *in* Wunderlich (2004*ar*) ..... Pa Rovno amber

† ***Dominicanopsis* Wunderlich, 2004*k*** ..... **Neogene**

713. *Dominicanopsis grimaldii* Wunderlich, 2004*k** ..... Ne Dominican amber

† ***Eomysmenopsis* Wunderlich, 2004*k*** ..... **Palaeogene**

714. *Eomysmenopsis spinipes* Wunderlich, 2004*k** ..... Pa Baltic / Bitt. Amber

***Mysmena* Simon, 1894** ..... **Palaeogene – Recent**

*Mysmena* (s. l.) sp. indet *in* Wunderlich (2012a) ..... Qt Madagascan copal

715. *Mysmena* (s.l.) *copalis* Wunderlich, 2011*f* ..... Qt Madagascan copal

716. *Mysmena curvata* Wunderlich, 2011*h* ..... Pa Baltic amber

717. *Mysmena dominicana* Wunderlich, 1998 ..... Qt Madagascan copal

718. *Mysmena fossilis* Petrunkevitch, 1971 ..... Ne Chiapas amber

719. *Mysmena groehni* Wunderlich, 2004*k* ..... Pa Baltic / Bitt. amber

720. *Mysmena grotae* Wunderlich, 2004*k* ..... Pa Baltic amber

***Mysmenopsis* Simon, 1897*b*** ..... **Neogene – Recent**

721. *Mysmenopsis lissycoleyae* Penney, 2000 ..... Ne Dominican amber

† ***Palaeomysmena* Wunderlich, 2004*k*** ..... **Palaeogene**

722. *Palaeomysmena hoffeinsorum* Wunderlich, 2004*k** ..... Pa Baltic amber

† **BALTSUCCINIDAE Wunderlich, 2004*l*** ..... **Palaeogene**

† ***Baltsuccinus* Wunderlich, 2004*l*** ..... **Palaeogene**

723. *Baltsuccinus flagellaceus* Wunderlich, 2004*l** ..... Pa Baltic amber

724. *Baltsuccinus similis* Wunderlich, 2004*l* ..... Pa Baltic amber

† **PROTHERIDIIDAE Wunderlich, 2004*l*** ..... **Cretaceous – Palaeo.**

† ***Protheridion* Wunderlich, 2004*l*** ..... **Palaeogene**

725. *Protheridion bitterfeldensis* Wunderlich, 2004*l* ..... Pa Bitterfeld amber

726. *Protheridion detritus* Wunderlich, 2004*l* ..... Pa Baltic amber

727. *Protheridion obscurum* Wunderlich, 2004*l* ..... Pa Baltic amber

728. *Protheridion punctatum* Wunderlich, 2004*l* ..... Pa Baltic amber

729.*Protheridion tibialis* Wunderlich, 2004*l** ..... Pa Baltic amber

† ***Zarqaraneus* Wunderlich, 2008*d*** ..... **Cretaceous**

730.*Zarqaraneus hudae* Wunderlich, 2008*d** ..... K Jordanian amber

† **PRAETHERIDIIDAE Wunderlich, 2004*l*** (n. stat. 2012) ..... **Palaeogene**

† ***Praetheridion* Wunderlich, 2004*l*** ..... **Palaeogene**

731.*Praetheridion fleissneri* Wunderlich, 2004*l** ..... Pa Baltic amber

**SYNAPHRIDAE Wunderlich, 1986** ..... **Palaeogene – Recent**

† ***Iardinidis* Wunderlich 2004*k*** ..... **Palaeogene**

732.*Iardinidis brevipes* Wunderlich, 2004*k** ..... Pa Baltic amber

**PIMOIDAE Wunderlich, 1986** ..... **Palaeogene – Recent**

***Pimoa* Chamberlin & Ivie, 1943** ..... **Palaeogene – Recent**

733.*Pimoa expandens* Wunderlich, 2004*r* ..... Pa Baltic amber

734.*Pimoa (Eopimoa) hormigai* Wunderlich, 2004*r* ..... Pa Baltic amber

735.*Pimoa inopinata* Wunderlich, 2004*r* ..... Pa Baltic amber

736.*Pimoa liedtkei* Wunderlich, 2004*r* ..... Pa Baltic amber

737.*Pimoa lingua* Wunderlich, 2004*r* ..... Pa Baltic amber

738.*Pimoa (Eopimoa) longiscapus* Wunderlich, 2008*a* ..... Pa Baltic amber

739.*Pimoa multicuspuli* Wunderlich, 2004*r* ..... Pa Baltic amber

740.*Pimoa (Eopimoa) obruens* Wunderlich, 2008*a* ..... Pa Baltic amber

*Pimoa* sp. *in* Wunderlich (2004*r*) ..... Pa Baltic amber

*Pimoa (Eopimoa)* sp. *in* Wunderlich (2008*a*) ..... Pa Baltic amber

**PUMILIOPIMOIDAE Wunderlich, 2008*a*** ..... **Palaeogene – Recent**

† ***Pumiliopimoa* Wunderlich, 2008*a*** ..... **Palaeogene**

741.*Pumiliopimoa parma* Wunderlich, 2008*a** ..... Pa Baltic amber

**SINOPIMOIDAE Li & Wunderlich, 2008** ..... **Recent**

no fossil record

**LINYPHIIDAE Blackwall, 1859** ..... **Cretaceous – Recent**

= MICRYPHANTIDAE Bertkau, 1878*a*

= ERIGONIDAE Simon, 1884*c*

?Linyphiidae gen. et sp. indet *in* McAlpine & Martin (1969) ..... K Canadian amber

Linyphiidae gen. et sp. indet *in* Penney (2002) ..... K New Jersey amber

Linyphiidae gen. et sp. indet *in* Schmidt *et al*. (2010) ..... Ne Ethiopian amber

Linyphiinae gen. et sp. indet *in* Penney & Selden (2002) ..... K Lebanese amber

[NB: Wunderlich (2012*d*) questioned the veracity of these Cretaceous linyphiids.]

† ***Agynetiphantes* Wunderlich, 2004*s*** ..... **Palaeogene**

742.*Agynetiphantes gibbiferus* Wunderlich, 2004*s** ..... Pa Baltic amber

***Ceratinopsis*** **Emerton, 1882** ..... **Quaternary – Recent**

743.*Ceratinopsis deformans* (Wunderlich, 1998) ..... Qt Madagascan copal

***Cnephalocotes*** **Simon, 1884*c*** ..... **Quaternary – Recent**

744.*Cnephalocotes obscurus* (Blackwall, 1834*b*) **[Recent]** ..... Qt England

† ***Custodela*** **Petrunkevitch, 1942** ..... **Palaeogene**

= † *Obnisus* Petrunkevitch, 1942 [tenative synonomy]

745.*Custodela acuta* Wunderlich, 2004*s* ..... Pa Baltic amber

746.*Custodela acutula* Wunderlich, 2004*s* ..... Pa Bitterfeld amber

747.*Custodela bispina* Wunderlich, 2004*s* ..... Pa Bitterfeld amber

748.*Custodela bispinosa* Wunderlich, 2004*s* ..... Pa Bitterfeld amber

749.*Custodela cheiracantha* (C. L. Koch & Berendt, 1854)* ..... Pa Baltic amber

750.*Custodela clava* Wunderlich, 2004*s* ..... Pa Baltic amber

751.*Custodela curva* Wunderlich, 2004*s* ..... Pa Baltic amber

752.*Custodela curvata* Wunderlich, 2004*s* ..... Pa Bitterfeld amber

753.*Custodela divergens* Wunderlich, 2004*s* ..... Pa Baltic amber

754.*Custodela expandens* Wunderlich, 2004*s* ..... Pa Baltic amber

755.*Custodela falcata* Wunderlich, 2004*s* ..... Pa Baltic amber

756.*Custodela femurspinosa* Wunderlich, 2004*s* ..... Pa Bitterfeld amber

757.*Custodela henningseni* Wunderlich, 2004*s* ..... Pa Baltic amber

758.*Custodela kochi* Wunderlich, 2004*s* ..... Pa Baltic amber

759.*Custodela lamellata* (Wunderlich, 1988) ..... Pa Baltic amber

760.*Custodela lanx* Wunderlich, 2004*s* ..... Pa Baltic amber

761.*Custodela oblonga* (C. L. Koch & Berendt, 1854) ..... Pa Baltic amber

762.*Custodela obtusa* Wunderlich, 2004*s* ..... Pa Baltic amber

763.?*Custodela parva* Wunderlich, 2004*s* ..... Pa Bitterfeld amber

764.*Custodela pseudokochi* Wunderlich, 2004*s* ..... Pa Baltic amber

765.*Custodela stridulans* Wunderlich, 2004*s* ..... Pa Bitterfeld amber

766.*Custodela tenuipes* (Petrunkevitch, 1942) ..... Pa Baltic amber

767.*Custodela tibialis* Wunderlich, 2004*s* ..... Pa Baltic amber

*Custodela* sp. *in* Wunderlich (2004*s*) ..... Pa Bitterfeld amber

† ***Custodelela*** **Wunderlich, 2004s** ..... **Palaeogene**

768.*Custodelela hamata* Wunderlich, 2004*s** ..... Pa Bitterfeld amber

† ***Eolabulla*** **Wunderlich, 2004s** ..... **Palaeogene**

769.*Eolabulla falcata* Wunderlich, 2004*s* ..... Pa Baltic amber

770.*Eolabulla gladiformis* Wunderlich, 2004*s* ..... Pa Baltic amber

771.*Eolabulla laminata* Wunderlich, 2004*s** ..... Pa Baltic amber

772.*Eolabulla perforata* Wunderlich, 2004*s* ..... Pa Baltic amber

773.*Eolabulla sagitta* Wunderlich, 2004*s* ..... Pa Baltic amber

774.*Eolabulla similis* Wunderlich, 2004*s* ..... Pa Baltic amber

*Eolabulla* sp. 1–2 *in* Wunderlich (2004*s*) ..... Pa Baltic amber

† ***Eophantes*** **Wunderlich, 2004s** ..... **Palaeogene**

775.*Eophantes complicatus* Wunderlich, 2004*s** ..... Pa Baltic amber

776.?*Eophantes seorsum* Wunderlich, 2012*c* ..... Pa Baltic amber

***Erigone* Audouin, 1826** ..... **Neogene – Recent**

777.*Erigone atra* Blackwall, 1833 **[Recent]** ..... Qt England

778.?*Erigone dechenii* Bertkau, 1878*b* ..... Ne Rott, Germany

*Erigone* sp. *in* Hopkins *et al*. (1976) ..... Qt Alaska

***Floricomus* Crosby & Bishop, 1925** ..... **Neogene – Recent**

779.*Floricomus fossilis* Penney, 2005*c* ..... Ne Dominican amber

***Gonatium* Menge, 1868** ..... **Quaternary – Recent**

780.*Gonatium rubens* (Blackwall, 1833) **[Recent]** ..... Qt England

***Hypselistes* Simon, 1894** ..... **Quaternary – Recent**

781.*Hypselistes jacksoni* (O. P.-Cambridge, 1902) **[Recent]** ..... Qt England

***Linyphia* Latreille, 1804*a*** ..... **Palaeogene – Recent**

782.*Linyphia andraei* Bertkau, 1878*b* ..... Ne Rott, Germany

783.*Linyphia byrami* Cockerell, 1925 ..... Pa Green River

784.*Linyphia florissanti* Petrunkevitch, 1922 ..... Pa Florissant

785.*Linyphia pachygnathoides* Petrunkevitch, 1922 ..... Pa Florissant

786.*Linyphia quievreuxi* Berland, 1939 ..... Pa Aix-en-Provence

787.*Linyphia retensa* Scudder, 1890*a* ..... Pa Florissant

788.*Linyphia rottensis* Bertkau, 1878*b* ..... Ne Rott, Germany

789.*Linyphia seclusa* (Scudder, 1890*a*) ..... Pa Florissant

† ***Madagascarphantes* Wunderlich, 2012*a*** ..... **Quaternary**

790.*Madagascarphantes vomerans* Wunderlich, 2012*a** ..... Qt Madagascan copal

† ***Malepellis* Petrunkevitch, 1971** ..... **Neogene**

791.*Malepellis extincta* Petrunkevitch, 1971* ..... Ne Chiapas amber

***Meioneta* Hull, 1920** ..... **Neogene – Recent**

792.*Meioneta bigibber* (Wunderlich, 1988 ..... Ne Dominican amber

793.*Meioneta fastigata* (Wunderlich, 1988) ..... Ne Dominican amber

794.*Meioneta separata* (Wunderlich, 1988) ..... Ne Dominican amber

*Meioneta* sp. *in* Wunderlich (1988) ..... Ne Dominican amber

***Micryphantes* C. L. Koch, 1833** ..... **Palaeogene**

795.*Micryphantes molybdinus* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

796.*Micryphantes regularis* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

† ***Mystagogus* Petrunkevitch, 1942** ...[Wunderlich suggests possibly in Cyatholipidae] **Palaeogene**

797.*Mystagogus dubius* Petrunkevitch, 1958 ..... Pa Baltic amber

798.*Mystagogus glaber* Petrunkevitch, 1942* ..... Pa Baltic amber

† ***Paralabulla* Wunderlich, 2004*s*** ..... **Palaeogene**

799.*Paralabulla bitterfeldensis* Wunderlich, 2004*s** ..... Pa Bitterfeld amber

800.?*Paralabulla dubia* Wunderlich, 2004*s* ..... Pa Baltic amber

801.*Paralabulla succinifera* Wunderlich, 2004*s* ..... Pa Baltic amber

*Paralabulla* sp. *in* Wunderlich (2004*s*, 2012*c*) ..... Pa Bitterfeld amber

***Pocadicnemis* Simon, 1884*c*** ..... **Quaternary – Recent**

802.*Pocadicnemis pumila* (Blackwall, 1841) **[Recent]** ..... Qt England

***Savignia* Blackwall, 1833** ..... **Quaternary – Recent**

803.*Savignia frontata* Blackwall, 1833 **[Recent]** ..... Qt England

***Selenyphantes* Gertsch & Davis, 1946** ..... **Neogene – Recent**

= † *Palaeolinyphia* Wunderlich, 1986

804.*Selenyphantes flagellifera* (Wunderlich, 1986) ..... Ne Dominican amber

† ***Succineta* Wunderlich, 2004*s*** ..... **Palaeogene**

805.*Succineta brevispina* Wunderlich, 2004*s* ..... Pa Baltic amber

806.*Succineta discoidalis* Wunderlich, 2004*s** ..... Pa Baltic amber

*Succineta* sp. *in* Wunderlich (2004*s*) ..... Pa Baltic amber

† ***Succiphantes* Wunderlich, 2004*s*** ..... **Palaeogene**

807.*Succiphantes tanasevitchi* Wunderlich, 2004*s* ..... Pa Baltic amber

808.*Succiphantes velteni* Wunderlich, 2004*s** ..... Pa Baltic amber

***Toschia* Caporiacco, 1949** ..... **Quaternary – Recent**

809.?*Toschia fossilis* Wunderlich, 2004*as* ..... Qt Madagascan copal

**TETRAGNATHIDAE Menge, 1866** ..... **Cretaceous – Recent**

= PACHYGNATHIDAE Menge, 1866

= METIDAE Simon, 1894

= NANOMETIDAE Forster & Forster, 1999

† ***Anameta* Wunderlich, 2004*h*** ..... **Palaeogene**

810.*Anameta distenda* Wunderlich, 2004*h** ..... Pa Bitterfeld amber

811.*Anameta kuntneri* Wunderlich, 2008*a* ..... Pa Baltic amber

***Azilia* Keyserling, 1882** ..... **Neogene – Recent**

812.*Azilia hispaniolensis* Wunderlich, 1988 ..... Ne Dominican amber

i. = *Azilia muellenmeisteri* Wunderlich, 1988 ..... Ne Dominican amber

*Azilia* sp. *in* Wunderlich (1988) ..... Ne Dominican amber

† ***Balticgnatha* Wunderlich, 2011*h*** ..... **Palaeogene**

813.*Balticgnatha projectens* Wunderlich 2011*h** ..... Pa Baltic amber

† ***Baltleucauge* Wunderlich, 2008*a*** ..... **Palaeogene**

814.*Baltleucauge gillespiae* Wunderlich 2008*a** ..... Pa Baltic amber

815.*Baltleucauge propinqua* Wunderlich, 2012*c* ..... Pa Baltic amber

† ***Corneometa* Wunderlich, 2004*h*** ..... **Palaeogene**

816.*Corneometa baltica* Wunderlich 2004*h** ..... Pa Baltic amber

817.*Corneometa pilosipes* Wunderlich 2004*h* ..... Pa Baltic amber

***Cyrtognatha* Keyserling, 1882** ..... **Neogene – Recent**

818.*Cyrtognatha weitschati* Wunderlich, 1988 ..... Ne Dominican amber

† ***Eometa* Petrunkevitch, 1958** ..... **Palaeogene**

819.*Eometa calefacta* Wunderlich, 2004*h* ..... Pa Baltic amber

820.*Eometa longipes* Petrunkevitch, 1958 ..... Pa Baltic amber

821.*Eometa occulta* Wunderlich, 2004*h* ..... Pa Baltic amber

822.*Eometa perfecta* Wunderlich, 2004*h* ..... Pa Baltic amber

823.*Eometa samlandica* Petrunkevitch, 1958* ..... Pa Baltic amber

*Eometa* sp. 1–2 *in* Wunderlich (2004*h*) ..... Pa Baltic amber

***Homalometa* Simon, 1897*b*** ..... **Neogene – Recent**

824.*Homalometa fossilis* Wunderlich, 1988 ..... Ne Dominican amber

† ***Huergina* Selden & Penney, 2003** ..... **Cretaceous**

825.*Huergina diazromerali* Selden & Penney, 2003* ..... K Las Hoyas, Spain

† ***Macryphantes* Selden, 1990** ..... **Cretaceous**

NB: Wunderlich (2015*b*) suggested this genus could be a synonym of *Paleouloborus*.

826.*Macryphantes cowdeni* Selden, 1990* ..... K Sierra de Montsech

***Meta* C. L. Koch, 1836** ..... **Palaeogene – Recent**

827.*Meta (Praetermeta) maculosa* Wunderlich, 2008*a* ..... Pa Baltic amber

828.*Meta (Praetermeta) velans* (Wunderlich, 2004*h)* ..... Pa Baltic amber

† ***Palaeometa* Petrunkevitch, 1922** ..... **Palaeogene**

829.*Palaeometa opertanea* (Scudder, 1890*a*)* ..... Pa Florissant

† ***Palaeopachygnatha* Petrunkevitch, 1922** ..... **Palaeogene**

830.*Palaeopachygnatha cockerelli* Petrunkevitch, 1922 ..... Pa Florissant

831.*Palaeopachygnatha scudderi* Petrunkevitch, 1922* ..... Pa Florissant

† ***Priscometa* Petrunkevitch, 1958** ..... **Palaeogene**

832.*Priscometa capta* Wunderlich, 2004*h* ..... Pa Baltic amber

833.*Priscometa minor* Wunderlich, 2004*h* ..... Pa Baltic amber

834.*Priscometa tenuipes* Petrunkevitch, 1958* ..... Pa Baltic amber

† ***Samlandicmeta* Wunderlich, 2012*c*** ..... **Palaeogene**

835.*Samlandicmeta mutila* Wunderlich, 2012*c* ..... Pa Baltic amber

***Tetragnatha* Latreille, 1804*a*** ..... **Palaeogene – Recent**

836.*Tetragnatha parva* (Hong, 1985) ..... Ne Shanwang

837.*Tetragnatha pristina* Schawaller, 1982*c* ..... Ne Dominican amber

838.*Tetragnatha tertiaria* Scudder, 1885 ..... Pa Florissant

**NEPHILIDAE Simon, 1894** ..... **Cretaceous – Recent**

Nephilidae indet. *in* Wunderlich (2012*c*) ..... Pa Baltic amber

† ***Cretaraneus* Selden, 1990** ..... **Cretaceous**

839.*Cretaraneus liaoningensis* Cheng, Meng & Wang *in* Cheng *et al*., 2008 ..... K Jehol biota

840.*Cretaraneus martensnetoi* Mesquita, 1996 ..... K Crato Formation

841.*Cretaraneus vilaltae* Selden, 1990* ..... K Sierra de Montsech

† ***Eonephila* Wunderlich, 2004*i*** ..... **Palaeogene**

842.*Eonephila bitterfeldensis* Wunderlich, 2004*i* ..... Pa Bitterfeld amber

843.*Eonephila excellens* Wunderlich, 2004*i** ..... Pa Baltic amber

844.*Eonephila longembolus* Wunderlich, 2004*i* ..... Pa Baltic amber

† ***Luxurionephila* Wunderlich, 2004*i*** ..... **Palaeogene**

845.*Luxurionephila spinifera* Wunderlich, 2004*i* ..... Pa Baltic amber

† ***Minutunguis* Wunderlich, 2011*f*** ..... **Quaternary**

846.*Minutunguis silvestris* Wunderlich, 2011*f* * ..... Qt Madagascar copal

***Nephila* Leach, 1815** ..... **Cretaceous – Recent**

= † *Geratonephila* Poinar *in* Poinar & Buckley, 2012

847.*Nephila breviembolus* Wunderlich, 1986 ..... Ne Dominican amber

848.*Nephila burmanica* (Poinar *in* Poinar & Buckley, 2012) ..... K Burmese amber

NB: Wunderlich (2015*b*) suggested that this may be a synonym of *N. tenuis*

849.*Nephila dommeli* Wunderlich, 1982 ..... Ne Dominican amber

850.*Nephila furca* Wunderlich, 1986 ..... Ne Dominican amber

851.*Nephila longembolus* Wunderlich, 1986 ..... Ne Dominican amber

852.*Nephila pennatipes* Scudder, 1885 ..... Pa Florissant

853.*Nephila tenuis* Wunderlich, 1986 ..... Ne Dominican amber

*Nephila* sp. *in* Dunlop & Penney (2012) ..... K Crato Formation

† ***Palaeonephila* Wunderlich, 2004*i*** ..... **Palaeogene**

854.*Palaeonephila brevis* Wunderlich, 2004*i* ..... Pa Baltic amber

855.*Palaeonephila curvata* Wunderlich, 2004*i** ..... Pa Baltic amber

856.*Palaeonephila dilitans* Wunderlich, 2004*i* ..... Pa Baltic amber

857.*Palaeonephila fibula* Wunderlich, 2004*i* ..... Pa Baltic amber

858.*Palaeonephila longipes* Wunderlich, 2004*i* ..... Pa Baltic amber

† **JURARANEIDAE Eskov, 1984** ..... **Jurassic**

† ***Juraraneus* Eskov, 1984** ..... **Jurassic**

859.*Juraraneus rasnitsyni* Eskov, 1984 ..... J Transbaikalia

NB : Wunderlich (2015*b*) suggested this could be a haplogyne spider

† **PRAEARANEIDAE Wunderlich, 2017*c*** ..... **Cretaceous**

† ***Praearaneus* Wunderlich, 2017*c*** ..... **Cretaceous**

860.*Praearaneus bruckschi* Wunderlich, 2017*c* ..... K Burmese amber

*Praearaneus* sp. *in* Wunderlich (2017*c*) ..... K Burmese amber

**ARANEIDAE Simon, 1895** ..... **Cretaceous – Recent**

= EPEIRIDAE Sundevall, 1833 [based on a generic synonym]

= EUETRIIDAE Thorell, 1887 [based on a generic synonym]

= ARGIOPIDAE Simon, 1890

= ZYGIELLIDAE Simon, 1929

?Araneinae sp. *in* Wunderlich (2004*h*) ..... Pa Baltic amber

Araneidae gen. et sp. indet. *in* Ribera (2003) ..... Qt Girona, Spain

?Mangorini indet. *in* Wunderlich (2011*a*) ..... Pa Baltic amber

Araneidae incertae sedis *in* Selden (2014*b*) ..... Pa Isle of Wight

† ***Anepeira* Wunderlich, 2004*i*** ..... **Palaeogene**

861.*Anepeira complicata* Wunderlich, 2004*i** ..... Pa Baltic amber

† ***Araneometa*** **Wunderlich, 1988** ..... **Neogene**

862.*Araneometa excelsa* Wunderlich, 1988 ..... Ne Dominican amber

863.*Araneometa herrlingi* Wunderlich, 1988* ..... Ne Dominican amber

864.*Araneometa spirembolus* Wunderlich, 1988 ..... Ne Dominican amber

*Araneometa* sp. *in* Wunderlich (1988) ..... Ne Dominican amber

***Araneus*** **Clerck, 1757** ..... **?Cretaceous – Recent**

865.*Araneus absconditus* (Scudder, 1890*a*) ..... Pa Florissant

866.*Araneus aethus* Chang, 2004 [generic assignment unreliable!] ..... K Jehol biota

867.*Araneus beipiaoensis* Chang, 2004 [generic assignment unreliable!] ... K Jehol biota

868.*Araneus carbonaceous* Zhang, Sun & Zhang, 1994 ..... Ne Shanwang

869.*Araneus cinefactus* (Scudder, 1890*a*) ..... Pa Florissant

870.*Araneus defunctus* Petrunkevitch, 1958 ..... Pa Baltic amber

871.*Araneus delitus* (Scudder, 1890*a*) ..... Pa Florissant

872.*Araneus emertoni* (Scudder, 1890*a*) ..... Pa Florissant

873.*Araneus exustus* Petrunkevitch, 1963 ..... Ne Chiapas amber

874.*Araneus kinchloeae* Dunlop & Jekel, 2009 ..... Pa Florissant

i. = *Araneus indistinctus* (Petrunkevitch, 1922) [preoccupied]

875.*Araneus inelegans* Zhang, Sun & Zhang, 1994 ..... Ne Shanwang

876.*Araneus leptopodus* Zhang, Sun & Zhang, 1994 ..... Ne Shanwang

877.*Araneus liaoxiensis* Chang, 2004 [generic assignment unreliable!] ..... K Jehol biota

878.*Araneus longimanus* (Petrunkevitch, 1922) ..... Pa Florissant

879.*Araneus (Calinurus) longipes* Dalman, 1826 ..... Qt Copal

880.*Araneus luianus* Zhang, Sun & Zhang, 1994 ..... Ne Shanwang

881.*Araneus meeki* (Scudder, 1890*a*) ..... Pa Florissant

882.*Araneus molassicus* (Heer, 1865) ..... Ne Öhningen

883.*Araneus nanus* Wunderlich, 1988 ..... Ne Dominican amber

884.*Araneus piceus* Lin, Zhang & Wang, 1989 ..... Ne Shanwang

885.*Araneus reheensis* Chang, 2004 [generic assignment unreliable!] ..... K Jehol biota

886.*Araneus ruidipedalis* Zhang, Sun & Zhang, 1994 ..... Ne Shanwang

887.*Araneus troschelii* (Bertkau, 1878*b*) ..... Ne Rott, Germany

888.*Araneus vulcanalis* (Scudder, 1890*a*) ..... Pa Florissant

?*Araneus* sp. *in* Wunderlich (2012*c*) ..... Pa Baltic amber

***Argiope*** **Audouin, 1826** ..... **Neogene – Recent**

= † *Magnaranea* Hong, 1985

889.*Argiope furva* (Hong, 1985) ..... Ne Shanwang

† ***Bararaneus*** **Wunderlich, 2004*i*** ..... **Palaeogene**

890.?*Bararaneus annulatus* Wunderlich, 2004*i* ..... Pa Baltic amber

891.*Bararaneus evolvens* Wunderlich, 2004*i** ..... Pa Baltic amber

† ***Chrysometata*** **Wunderlich, 2004*h*** ..... **Palaeogene**

892.*Chrysometata palaearctica* Wunderlich, 2004*h** ..... Pa Baltic amber

† ***Cyclososoma*** **Petrunkevitch, 1958** ..... **Palaeogene**

893.*Cyclososoma succini* Petrunkevitch, 1958* ..... Pa Baltic amber

***Enacrosoma* Mello-Leitão, 1932** ..... **Neogene – Recent**

894.*Enacrosoma verrucosa* (Wunderlich, 1988) ..... Ne Dominican amber

† ***Eoaraneus* Wunderlich, 2004*i*** ..... **Palaeogene**

895.*Eoaraneus complexus* Wunderlich, 2004*i** ..... Pa Baltic amber

† ***Eochorizopes* Wunderlich, 2008*a*** ..... **Palaeogene**

896.*Eochorizopes szeklinskiae* Wunderlich, 2008*a** ..... Pa Baltic amber

† ***Eozygiella* Wunderlich, 2004*h*** ..... **Palaeogene**

897.*Eozygiella compacta* Wunderlich, 2004*h** ..... Pa Baltic amber

† ***Fossilaraneus* Wunderlich, 1988** ..... **Neogene**

898.*Fossilaraneus incertus* Wunderlich, 1988* ..... Ne Dominican amber

***Gea* C. L. Koch, 1843a** ..... **Palaeogene – Recent**

899.*Gea krantzi* von Heyden, 1859 ..... Ne Rott, Germany

† ***Eustaloides* Petrunkevitch, 1842** ..... **Palaeogene**

= † *Graea* Thorell, 1869 [older synonym, but preoccupied]

900.?*Eustaloides aberrans* (Wunderlich, 2004*h*) ..... Pa Baltic amber

901.*Eustaloides bitterfeldensis* (Wunderlich, 2004*h*) ..... Pa Bitterfeld amber

902.*Eustaloides breviembolus* (Wunderlich, 2004*h*) ..... Pa Baltic amber

903.*Eustaloides brevis* (Wunderlich, 2004*h*) ..... Pa Baltic amber

904.*Eustaloides calceatus* Petrunkevitch, 1950 ..... Pa Baltic amber

905.*Eustaloides epeiroidea* (C. L. Koch & Berendt, 1854) ..... Pa Baltic amber

906.*Eustaloides impudica* (Wunderlich, 2004*h*) ..... Pa Baltic amber

907.*Eustaloides lingula* (Wunderlich, 2004*h*) ..... Pa Baltic amber

908.*Eustaloides magnocoli* (Wunderlich, 2012*c*) ..... Pa Baltic amber

909.*Eustaloides minor* Petrunkevitch, 1950 ..... Pa Baltic amber

910.*Eustaloides setosa* Petrunkevitch, 1942* ..... Pa Baltic amber

911.*Eustaloides succini* Petrunkevitch, 1942 ..... Pa Baltic amber

***Hypognatha* Guérin, 1839** ..... **Quaternary – Recent**

912.*Hypognatha testudinaria* (Taczanowski, 1879) **[Recent]** ..... Qt Colombian copal

† ***Meditrina* Petrunkevitch, 1942** ..... **Palaeogene**

913.*Meditrina circumvallata* Petrunkevitch, 1942* ..... Pa Baltic amber

† ***Mesozygiella* Penney & Ortuño, 2006** ..... **Cretaceous**

914.*Mesozygiella dunlopi* Penney & Ortuño, 2006* ..... K Álava amber

† ***Miraraneus* Wunderlich, 2004*i*** ..... **Palaeogene**

915.*Miraraneus peregrinus* Wunderlich, 2004*i** ..... Pa Baltic amber

† ***Mirometa* Petrunkevitch, 1963** ..... **Neogene**

916.*Mirometa valdespinosa* Petrunkevitch, 1963 ..... Ne Chiapas amber

***Molinaranea* Mello-Leitão, 1940** ..... **Neogene – Recent**

917.*Molinaranea mitnickii* Saupe, Selden & Penney, 2010 ..... Ne Dominican amber

† ***Pycnosinga* Wunderlich, 1988** ..... **Neogene**

918.*Pycnosinga fossilis* Wunderlich, 1988* ..... Ne Dominican amber

† ***Pulchellaranea*** **Poinar, 2015** ..... **Neogene**

919.*Pulchellaranea pedunculata* Poinar, 2015* ..... Ne Dominican amber

† ***Testudinaroides*** **Dunlop & Jekel, 2008** ..... **Neogene**

= † *Testudinaria* Zhang, Sun & Zhang, 1994 [preoccupied]

920.*Testudinaroides papposa* (Zhang, Sun & Zhang, 1994) ..... Ne Shanwang

† ***Tethneus*** **Scudder, 1885** ..... **Palaeogene**

= † *Melanites* Hong, 1985

921.*Tethneus guyoti* Scudder, 1890*a* ..... Pa Florissant

922.*Tethneus hentzi* Scudder, 1885* ..... Pa Florissant

923.*Tethneus obduratus* Scudder, 1890*a* ..... Pa Florissant

924.*Tethneus orbiculatus* (Hong, 1985) ..... Ne Shanwang

925.*Tethneus provectus* Scudder, 1890*a* ..... Pa Florissant

926.*Tethneus robustus* Petrunkevitch, 1922 ..... Pa Florissant

927.*Tethneus twenhofeli* Petrunkevitch, 1922 ..... Pa Florissant

***Zilla*** **C. L. Koch, 1834** ..... **Palaeogene – Recent**

928.*Zilla gracilis* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

929.*Zilla porrecta* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

930.*Zilla veterana* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

**RETROLATERAL TIBIAL APOPHYSIS CLADE** ..... **Cretaceous – Recent**

?RTA-clade *in* Wunderlich (2008*d*) ..... K Burmese amber

?RTA-clade in Wunderlich (2017*c*) ..... K Burmese amber

**LYCOSOIDEA Sundevall, 1833** ..... **Cretaceous – Recent**

† ***Korearachne*** **Selden, Nam, Kim & Kim, 2012** ..... **Cretaceous**

931.*Korearachne jinju* Selden, Nam, Kim & Kim, 2012* ..... K Sacheon, S. Korea

Tentative assignment to Lycosoidea; disputed by Wunderlich (2012*d*) who suggested it could be a haplogyne spider in Pholcoidea or Leptonetoidea

**LYCOSIDAE Sundevall, 1833** ..... **?Cretaceous – Recent**

Lycosidae gen. et sp. *in* Bottali (1975) ..... Qt Italy

Lycosidae gen. et sp. *in* Schawaller (1982*d*) ..... Ne Willershausen

Lycosidae gen. et sp. *in* Penney (2001) ..... Ne Dominican amber

Lycosidae gen. et sp. *in* Kim & Nam (2012) [unreliable record] ..... K Lioyuan, China

***Alopecosa*** **Simon, 1885*b*** ..... **Quaternary – Recent**

932.*Alopecosa ?pulverulenta* (Clerck, 1757) **[Recent]** ..... Qt England

† ***Dryadia*** **Zhang, Sun & Zhang, 1994** ..... **Palaeogene**

933.*Dryadia acanthopoda* Zhang, Sun & Zhang, 1994 ..... Ne Shanwang

***Lycosa*** **Latreille, 1804*a*** ..... **Palaeogene – Recent**

934.*Lycosa florissanti* Petrunkevitch, 1922 ..... Pa Florissant

935.*Lycosa lithographica* Schawaller & Ono, 1979 ..... Ne Randecker Maar

936.*Lycosa malleata* Zhang, Sun & Zhang, 1994 ..... Ne Shanwang

937.*Lycosa miocaena* Schawaller & Ono, 1979 ..... Ne Randecker Maar

938.*Lycosa subterranea* Zhang, Sun & Zhang, 1994 ..... Ne Shanwang

***Pardosa* C. L. Koch, 1847** ..... **Quaternary – Recent**

939.*Pardosa pullata* (Clerck, 1757) **[Recent]** ..... Qt England

*Pardosa* sp. *in* Scott (2003) ..... Qt England

***Pirata* Sundevall, 1833** ..... **Quaternary – Recent**

940.*Pirata ?piraticus (*Clerck, 1757) **[Recent]** ..... Qt England

***Trochosa* C. L. Koch, 1847** ..... **Quaternary – Recent**

941.*Trochosa terricola* Thorell, 1856 **[Recent]** ..... Qt England

† **PARATTIDAE Petrunkevitch, 1922** ..... **Palaeogene**

† ***Parattus* Petrunkevitch, 1922** ..... **Palaeogene**

942.*Parattus evocatus* (Scudder, 1890*a*) ..... Pa Florissant

943.*Parattus latitatus* (Scudder, 1890*a*) ..... Pa Florissant

944.*Parattus oculatus* Petrunkevitch, 1922 ..... Pa Florissant

945.*Parattus resurrectus* (Scudder, 1890*a*)* ..... Pa Florissant

**TRECHALEIDAE Simon, 1890** ..... **Palaeogene – Recent**

= TRICLARIDAE O. P.-Cambridge, 1877 [*nomen oblitum*]

= PERISSOBLEMMATIDAE O. P.-Cambridge, 1882*b* [based on a synonym]

Trechaleidae sp. *in* Wunderlich (2004*aa*) ..... Pa Baltic amber

† ***Eotrechalea* Wunderlich, 2004*aa*** ..... **Palaeogene**

946.*Eotrechalea annulata* Wunderlich, 2004*aa** ..... Pa Baltic amber

† ***Esuritor* Petrunkevitch, 1942** ..... **Palaeogene**

947.*Esuritor aculeatus* Petrunkevitch, 1958 ..... Pa Baltic amber

948.*Esuritor spinipes* Petrunkevitch, 1942* ..... Pa Baltic amber

† ***Linoptes* Menge in C. L. Koch & Berendt, 1854** ..... **Palaeogene**

949.?'*Linoptes*' *oculeus* Menge *in* C. L. Koch & Berendt, 1854* ..... Pa Baltic amber

NB: *Linoptes* mentioned as a *nomen nudum* by Wunderlich (2004*z*); this species listed by Wunderlich (2004*aa*) under Trechaleidae and another species under Pisauridae (see below)

**PISAURIDAE Simon, 1890** ..... **Palaeogene – Recent**

= BRADYSTICHIDAE Simon, 1884

= DOLOMEDIDAE Simon, 1898*a*

= HALIDAE Jocqué, 1994

Pisauridae sp. *in* Wunderlich (1988) ..... Pa Dominican amber

Pisauridae sp. *in* Wunderlich (2004*z*) ..... Pa Baltic amber

***Dolomedes* Latreille, 1804*a*** ..... **Quaternary – Recent**

950.*Dolomedes fimbriatus* (Clerck, 1757) **[Recent]** ..... Qt England

† '***Linoptes***' **Menge *in* C. L. Koch & Berendt, 1854** ..... **Palaeogene**

= † *Eopisaurella* Petrunkevitch, 1958

NB: See notes on *Linoptes* under Trechaleidae above!

951.*?'Linoptes' valdespinosa* (Petrunkevitch, 1958)* ..... Pa Baltic amber

?*'Linoptes'* sp. 1–8 *in* Wunderlich (2004*z*) ..... Pa Baltic amber

† ***Palaeoperenethis*** **Selden & Penney, 2009** ..... **Palaeogene**

952.*Palaeoperenethis thaleri* Selden & Penney, 2009* ..... Pa British Columbia

**OXYOPIDAE Thorell, 1870a** ..... **Palaeogene – Recent**

= SPHASIDAE O. P.-Cambridge, 1871

= HAMATALIVIDAE Marx, 1890*b*

Oxyopidae sp. *in* Wunderlich 2004*ab* ..... Pa Bitterfeld amber

***Oxyopes*** **Latreille, 1804a** ..... **Palaeogene – Recent**

953.*Oxyopes defectus* Wunderlich, 1988 ..... Ne Dominican amber

954.'*Oxyopes*' *succini* Petrunkevitch, 1958 ..... Pa Baltic amber

*Oxyopes* sp. *in* Wunderlich (1988, 2004*ab*) ..... Ne Dominican amber

† ***Planoxyopes*** **Petrunkevitch, 1963** ..... **Neogene**

955.*Planoxyopes eximius* Petrunkevitch, 1963* ..... Ne Chiapas amber

i. = *Planoxyopes fossilis* Wunderlich, 1988 [*lapsus*] ..... Ne Chiapas amber

**SENOCULIDAE Simon, 1890** ..... **Recent**

= NEOTHEREUTOIDAE Holmberg, 1883 [based on a generic synonym]

no fossil record

**STIPHIDIIDAE Dalmas, 1917** ..... **Recent**

no fossil record

**ZOROCRATIDAE Dahl, 1913** ..... **Recent**

no fossil record

**PSECHRIDAE Simon, 1890** ..... **Recent**

no fossil record

**ZOROPSIDAE Bertkau, 1882** ..... **Palaeogene – Recent**

Zoropsidae sp. *in* Wunderlich (2004*x*) ..... Pa Baltic / Bitt. Amber

† ***Cymbioropsis*** **Wunderlich, 2017*a*** ..... **Palaeogene**

956.*Cymbioropsis palpussutura* Wunderlich, 2017*a** ..... Pa Baltic amber

† ***Eomatachia*** **Petrunkevitch, 1942** ..... **Palaeogene**

957.*Eomatachia barbarus* Wunderlich, 2004*x* ..... Pa Baltic amber

958.*Eomatachia bipartita* Wunderlich, 2004*x* ..... Pa Baltic amber

959.*Eomatachia divergens* Wunderlich, 2004*x* ..... Pa Baltic amber

960.*Eomatachia duplex* Wunderlich, 2004*x* ..... Pa Baltic amber

961.*Eomatachia latifrons* Petrunkevitch, 1942* ..... Pa Baltic amber

962.*Eomatachia recedens* Wunderlich, 2004*x* ..... Pa Baltic amber

963.*Eomatachia succini* (Petrunkevitch, 1942) ..... Pa Baltic amber

964.*Eomatachia wegneri* Wunderlich, 2004*x* ..... Pa Baltic amber

965.*Eomatachia xanthippe* Wunderlich, 2004*x* ..... Pa Baltic amber

† ***Eoprychia* Petrunkevitch, 1958** ..... **Palaeogene**

966.*Eoprychia clara* Wunderlich, 2017*a*..... Pa Baltic amber

967.*Eoprychia succini* Petrunkevitch, 1958* ..... Pa Baltic amber

968.*Eoprychia succinopsis* Wunderlich, 2004*x* ..... Pa Baltic amber

969.*Eoprychia vicina* Wunderlich, 2004*x* ..... Pa Baltic amber

*Eoprychia* sp. *in* Wunderlich (2004*x*) ..... ?Pa not specified

† ***Pseudoeoprychia* Wunderlich, 2017*a*** ..... **Palaeogene**

970.*Pseudoeoprychia triplex* Wunderlich, 2017*a** ..... Pa Baltic amber

† ***Succiniropsis* Wunderlich, 2004*x*** ..... **Palaeogene**

971.*Succiniropsis kutscheri* Wunderlich, 2004*x** ..... Pa Baltic / Bitt. amber

972.*Succiniropsis runcinata* Wunderlich, 2012*c* ..... Pa Baltic amber

973.*Succiniropsis samlandica* Wunderlich, 2004*x* ..... Pa Baltic amber

† **INSECUTORIDAE Petrunkevitch, 1942** ..... **Palaeogene**

† ***Insecutor* Petrunkevitch, 1942** ..... **Palaeogene**

974.*Insecutor aculeatus* Petrunkevitch, 1942* ..... Pa Baltic amber

975.*Insecutor mandibulatus* Petrunkevitch, 1942 ..... Pa Baltic amber

976.?*Insecutor pecten* Wunderlich, 2004*y* ..... Pa Baltic amber

977.*Insecutor rufus* Petrunkevitch, 1942 ..... Pa Baltic amber

978.?*Insecutor spinifer* Wunderlich, 2004*y* ..... Pa Baltic amber

?*Insecutor* sp. *in* Wunderlich (2004*y*) ..... Pa Baltic amber

† **SUCCINOMIDAE Wunderlich, 2012*c*** ..... **Palaeogene**

† ***Eohalinobius* Wunderlich, 2008*c*** ..... **Palaeogene**

979.*Eohalinobius calefactus* Wunderlich, 2012*c* ..... Pa Baltic amber

980.*Eohalinobius hiddenseeensis* Wunderlich, 2012*c* ..... Pa Baltic amber

981.*Eohalinobius patina* Wunderlich, 2012*c* ..... Pa Baltic amber

982.*Eohalinobius scutatus* Wunderlich, 2008*c* ..... Pa Baltic amber

† ***Succinomus* Wunderlich, 2008*c*** ..... **Palaeogene**

983.*Succinomus duomammillae* Wunderlich, 2008*c* ..... Pa Baltic amber

984.*?Succinomus gibbosus* Wunderlich, 2012*c* ..... Pa Baltic amber

**CTENIDAE Keyserling, 1877** ..... **Neogene – Recent**

= ACANTHOCTENIDAE Simon, 1892*b*

† ***Nanoctenus* Wunderlich, 1988** ..... **Neogene**

985.*Nanoctenus longipes* Wunderlich, 1988* ..... Ne Dominican amber

**AGELENIDAE C. L. Koch, 1837** ..... **Palaeogene – Recent**

= TEGENARIDAE Prach, 1860

= † INCEPTORIDAE Petrunkevitch, 1942

***Agelena* Walckenaer, 1805** ..... **Palaeogene – Recent**

986.*Agelena tabida* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

***Histopona* Thorell, 1869** ..... **Palaeogene – Recent**

987.?*Histopona anthracina* Bertkau, 1878*b* ..... Ne Rott, Germany

† ***Inceptor* Petrunkevitch, 1942** ..... **Palaeogene**

988.*Inceptor aculeatus* Petrunkevitch, 1942* ..... Pa Baltic amber

989.*Inceptor dubius* Petrunkevitch, 1946 ..... Pa Baltic amber

***Tegenaria* Latreille, 1804a** ..... **Palaeogene – Recent**

990.?*Tegenaria fragmentum* Wunderlich, 2004*w* ..... Pa Baltic amber

991.*Tegenaria lacazei* Gourret, 1887 ..... Pa Aix-en-Provence

992.?*Tegenaria obtusa* Wunderlich, 2004*w* ..... Pa Baltic amber

993.*Tegenaria virilis* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

**DICTYNOIDEA O. P.-Cambridge, 1871** ..... **Palaeogene – Recent**

**Dictynoidea *incertae sedis***

† ***Sinodictyna* Hong, 1982** ..... **Palaeogene**

994.*Sinodictyna fushunensis* Hong, 1982* ..... Pa Fu Shun amber

**CYBAEIDAE Simon, 1898*a*** ..... **Palaeogene – Recent**

= ARGYRONETIDAE Thorell, 1870*a* [both family names protected by usage]

***Argyroneta* Latreille, 1804*a*** ..... **?Neogene – Recent**

995.*Argyroneta aquatica* (Clerck, 1757) **[Recent]** ..... Qt England

996.?*Argyroneta longipes* Heer, 1865 ..... Ne Öhningen

† ***Vectaraneus* Selden, 2001** ..... **Palaeogene**

997.*Vectaraneus yulei* Selden, 2001* ..... Pa Bembridge Marls

**DESIDAE Pocock, 1895** ..... **Palaeogene – Recent**

***Myro* O. P.-Cambridge, 1876** ..... **Palaeogene – Recent**

998.*Myro extinctus* Petrunkevitch, 1958 ...[possibly belongs in Dictynidae]. Pa Baltic amber

999.*Myro hirsutus* Petrunkevitch, 1942 ..... Pa Baltic amber

**AMPHINECTIDAE Forster & Wilton, 1973** ..... **Recent**

= NEOLANIDAE Forster & Wilton, 1973

no fossil record

**CYCLOCTENIDAE Simon, 1898*a*** ..... **Recent**

no fossil record

**HAHNIIDAE Bertkau, 1878*a*** ..... **Palaeogene – Recent**

† ***Cymbiohahnia* Wunderlich, 2004*v*** ..... **Palaeogene**

1000. *Cymbiohahnia parens* Wunderlich, 2004*v* ..... Pa Baltic, Bitterfeld & Rovno amber

† ***Eohahnia* Petrunkevitch, 1958** ..... **Palaeogene**

1001. *Eohahnia succini* Petrunkevitch, 1958* ..... Pa Baltic amber

† ***Protohahnia*** **Wunderlich, 2004v** ..... **Palaeogene**

1002. *Protohahnia antiqua* Wunderlich, 2004*v** ..... Pa Baltic amber

1003. *Protohahnia tripartita* Wunderlich, 2004*v* ..... Pa Baltic amber

**genus uncertain**

1004. '*Tegenaria*' *obscura* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

**DICTYNIDAE O. P.-Cambridge, 1871** ..... **Cretaceous – Recent**

= RHIOIDAE Thorell, 1873

= † ARTHRODICTYNIDAE Petrunkevitch, 1942

Dictynidae gen. et sp. indet *in* Penney (2002) ..... K New Jersey amber

Dictynidae sp. 1–2 *in* Wunderlich (2004v) ..... Pa Baltic amber

Dictynidae sp. 1–5 *in* Wunderlich (2008*d*) ..... K Burmese amber

Dictyninae indet *in* Wunderlich (2012*b*) ..... Pa Rovno amber

***Argenna*** **Thorell, 1870a** ..... **Neogene – Recent**

1005. *Argenna fossilis* Petrunkevitch *in* Palmer, 1957 ..... Ne Mojave Desert

† ***Arthrodictyna*** **Petrunkevitch, 1942** ..... **Palaeogene**

1006. *Arthrodictyna segmentata* Petrunkevitch, 1942* ..... Pa Baltic amber

† ***Balticocryphoeca*** **Wunderlich, 2004v** ..... **Palaeogene**

1007. *Balticocryphoeca curvitarsis* Wunderlich, 2004*v** ..... Pa Baltic / Bitt. amber

† ***Brommellina*** **Wunderlich, 2004v** ..... **Palaeogene**

1008. *Brommellina longungulae* Wunderlich, 2004*v** ..... Pa Baltic amber

† ***Chelicirrum*** **Wunderlich, 2004*v*** ..... **Palaeogene**

1009. *Chelicirrum stridulans* Wunderlich, 2004*v** ..... Pa Baltic amber

† ***Cryphoezaga*** **Wunderlich, 2004*v*** ..... **Palaeogene**

1010. *Cryphoezaga dubia* Wunderlich, 2004*v** ..... Pa Baltic amber

***Dictyna*** **Sundevall, 1833** ..... **Quaternary – Recent**

1011. *Dictyna rufa* Wunderlich, 2012*a* ..... Qt Madagascan copal

† ***Eobrommella*** **Wunderlich, 2004*v*** ..... **Palaeogene**

1012. *Eobrommella scutata* Wunderlich, 2004*v** ..... Pa Baltic amber

† ***Eocryphoeca*** **Petrunkevitch, 1946** ..... **Palaeogene**

1013. *Eocryphoeca bitterfeldensis* Wunderlich, 2004*v* ..... Pa Bitterfeld amber

1014. *Eocryphoeca electrina* Wunderlich, 2004*v* ..... Pa Baltic amber

1015. *Eocryphoeca falcata* Wunderlich, 2004*v* ..... Pa Baltic amber

1016. *Eocryphoeca gibbifera* Wunderlich, 2004*v* ..... Pa Baltic amber

1017. *Eocryphoeca gracilipes* (C. L. Koch & Berendt, 1854)* ..... Pa Baltic amber

1018. *Eocryphoeca ligula* Wunderlich, 2004*v* ..... Pa Baltic amber

1019. *Eocryphoeca mammilla* Wunderlich, 2004*v* ..... Pa Baltic amber

1020. *Eocryphoeca splendens* Wunderlich, 2004*v* ..... Pa Baltic amber

*Eocryphoeca* sp. *in* Wunderlich (2004*v*) ..... Pa Baltic amber

† ***Eocryphoecara*** **Wunderlich, 2004*v*** ..... **Palaeogene**

1021. *Eocryphoecara abicera* Wunderlich, 2004*v** ..... Pa Baltic amber

† ***Eodictyna*** **Wunderlich, 2004*v*** ..... **Palaeogene**

1022. *Eodictyna communis* Wunderlich, 2004*v** ..... Pa Baltic amber

† ***Eolathys* Petrunkevitch, 1950** ..... **Palaeogene**

1023. *Eolathys debilis* Petrunkevitch, 1950 ..... Pa Baltic amber

1024. *Eolathys succini* Petrunkevitch, 1950* ..... Pa Baltic amber

† ***Flagelldictyna* Wunderlich, 2012*a*** ..... **Quaternary**

1025. *Flagelldictyna copalis* Wunderlich, 2012*a** ..... Qt Madagascar copal

† ***Gibbermastigusa* Wunderlich, 2004*v*** ..... **Palaeogene**

1026. *Gibbermastigusa lateralis* Wunderlich, 2004*v** ..... Pa Baltic amber

† ***Hispaniolyna* Wunderlich, 1988** ..... **Neogene**

1027. *Hispaniolyna hirsuta* Wunderlich, 1988 ..... Ne Dominican amber

1028. *Hispaniolyna magna* Wunderlich, 1988* ..... Ne Dominican amber

† ***Mastigusa* Menge *in* C. L. Koch & Berendt, 1854** ..... **Palaeogene**

= † *Eotetrilus* Wunderlich, 1982 [*nomen nudum*]

1029. *Mastigusa acuminata* Menge *in* C. L. Koch & Berendt, 1854* ..... Pa Baltic amber

1030. *Mastigusa arcuata* Wunderlich, 2004*v* ..... Pa Baltic amber

1031. *Mastigusa bitterfeldensis* Wunderlich, 2004*v* ..... Pa Bitterfeld amber

1032. *Mastigusa laticymbium* Wunderlich, 2004*v* ..... Pa Baltic amber

1033. *Mastigusa magnibulbus* Wunderlich, 2004*v* ..... Pa Bitterfeld amber

1034. *Mastigusa media* Wunderlich, 1986 ..... Pa Baltic amber

1035. *Mastigusa modesta* Wunderlich, 1986 ..... Pa Baltic amber

1036. *Mastigusa scutata* Wunderlich, 2004*v* ..... Pa Baltic amber

*Mastigusa* sp. *in* Wunderlich (2004*v*) ..... Pa Baltic amber

† ***Mizagalla* Wunderlich, 2004*v*** ..... **Palaeogene**

1037. *Mizagalla quattuor* Wunderlich, 2004*v** ..... Pa Baltic amber

1038. *Mizagalla tuberculata* Wunderlich, 2004*v* ..... Pa Baltic amber

† ***Palaeodictyna* Wunderlich, 1988** ..... **Neogene**

1039. *Palaeodictyna intermedia* Wunderlich, 1988 ..... Ne Dominican amber

1040. *Palaeodictyna longispina* Wunderlich, 1988 ..... Ne Dominican amber

1041. *Palaeodictyna singularis* Wunderlich, 1988 ..... Ne Dominican amber

1042. *Palaeodictyna spiculum* Wunderlich, 1988 ..... Ne Dominican amber

1043. *Palaeodictyna termitophila* Wunderlich, 1988* ..... Ne Dominican amber

1044. *Palaeodictyna unispina* Wunderlich, 1988 ..... Ne Dominican amber

† ***Palaeolathys* Wunderlich, 1986** ..... **Neogene**

1045. *Palaeolathys circumductus* Wunderlich, 1988 ..... Ne Dominican amber

1046. *Palaeolathys copalis* Wunderlich, 1986 ..... Qt Dominican copal

1047. *Palaeolathys quadruplex* Wunderlich, 1988 ..... Ne Dominican amber

1048. *Palaeolathys similis* Wunderlich, 1988 ..... Ne Dominican amber

1049. *Palaeolathys spinosa* Wunderlich, 1986* ..... Ne Dominican amber

*Palaeolathys* sp. *in* Wunderlich (1988) ..... Ne Dominican amber

† ***Protomastigusa* Wunderlich, 2004*v*** ..... **Palaeogene**

1050. *Protomastigusa composita* Wunderlich, 2004*v* ..... Pa Baltic amber

† ***Scopulyna* Wunderlich, 2004*v*** ..... **Palaeogene**

1051. *Scopulyna cursor* Wunderlich, 2004*v* ..... Pa Baltic amber

† ***Succinya* Wunderlich, 1988** ..... **Neogene**

1052. *Succinya longembolus* Wunderlich, 1988 ..... Ne Dominican amber

1053. *Succinya pulcher* Wunderlich, 1988* ..... Ne Dominican amber

1054. *Succinya spinipalpus* Wunderlich, 1988 ..... Ne Dominican amber

***Thallumetus* Simon, 1892*b*** ..... **Subrecent – Recent**

1055. *Thallumetus copalis* Wunderlich, 2004*at* ..... Qt Colombian copal

**AMAUROBIIDAE Thorell, 1870*a*** ..... **Palaeogene – Recent**

= CINIFLONIDAE Blackwall, 1841

[partly also Dictynidae; based on a generic synonym]

Amaurobiinae gen. et sp. indet. *in* Wunderlich (2004*u*) ..... Pa Baltic amber

**PHYXELIDIDAE Lehtinen, 1967** ..... **Recent**

no fossil record

**TITANOECIDAE Lehtinen, 1967** ..... **Quaternary – Recent**

† ***Copaldictyna* Wunderlich, 2004*v*** ..... **Quaternary**

Tentative transfer by Wunderlich (2012*a*)

1056. *Copaldictyna madagascariensis* Wunderlich, 2004*v** ..... Qt Madagascan copal

**NICODAMIDAE Simon, 1898** ..... **Recent**

= MEGADICTYNIDAE Lehtinen, 1967

no fossil record

**TENGELLIDAE Dahl, 1908** ..... **Recent**

no fossil record

**EUTICHURIDAE Lehtinen, 1967** ..... **Recent**

= CHEIRACANTHIDAE Wagner, 1887

***Strotarchus* Simon, 1888** ..... **Neogene – Recent**

= † *Mimeutychurus* Petrunkevitch, 1963 [tentative synonomy]

1057. *Strotarchus heidti* Wunderlich, 1988 ..... Ne Dominican amber

1058. *Strotarchus paradoxus* (Petrunkevitch, 1963) ..... Ne Chiapas amber

**MITURGIDAE Simon, 1885*a*** ..... **Palaeogene – Recent**

= ZORIDAE F.O.P.-Cambridge, 1893

† ***Zorapostenus* Wunderlich, 2008*c*** ..... **Palaeogene**

1059. *Zorapostenus raveni* Wunderlich, 2008*c* ..... Pa Baltic amber

**ANYPHAENIDAE Bertkau, 1878a** ..... **Palaeogene – Recent**

= AMAUROBIOIDIDAE Hickman, 1949

***Anyphaena* Sundevall, 1833** ..... **Palaeogene – Recent**

1060. '*Anyphaena*' *fuscata* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

***Anyphaenoides* Berland, 1913** ..... **Neogene – Recent**

1061. *Anyphaenoides bulla* (Wunderlich, 1988) ..... Ne Dominican amber

***Lupettiana* Brescovit, 1997** ..... **Neogene – Recent**

1062. *Lupettiana ligula* (Wunderlich, 1988) ..... Ne Dominican amber

***Wulfila* O. P.-Cambridge, 1895** ..... **Neogene – Recent**

1063. *Wulfila spinipes* Wunderlich, 1988 ..... Ne Dominican amber

**LIOCRANIDAE Simon, 1897*a*** ..... **Palaeogene – Recent**

?Liocranidae *in* Wunderlich (1988) ..... Ne Dominican amber

***Apostenus* Westring, 1851** ..... **Palaeogene – Recent**

1064. *Apostenus arnoldorum* Wunderlich, 2004*ag* ..... Pa Baltic amber

1065. *Apostenus bigibber* Wunderlich, 2004*ag* ..... Pa Baltic / Bitt. amber

1066. *Apostenus spinimanus* (C. L. Koch & Berendt, 1854) ..... Pa Baltic amber

***Donuea* Strand, 1932** ..... **Quaternary – Recent**

1067. *Donuea collustrata* Bosselaers & Dierick, 2010 **[Recent]** ..... Qt – R Madagascar

† ***Palaeospinisoma* Wunderlich, 2004*ag*** ..... **Palaeogene**

1068. *Palaeospinisoma femoralis* Wunderlich, 2004*ag** ..... Pa Baltic amber

**CLUBIONOIDEA *incertae sedis***

Wunderlich (2011*d*) proposed removing almost all the amber fossils from the clubionids *sensu stricto*. We follow this in part for the two genera below, but would prefer a more formal treatment before accepting all these transfers. In general the delimitation of even modern clubionids, and related forms, is problematic.

† ***Concursator* Petrunkevitch, 1958** ..... **Palaeogene**

1069. *Concursator nudipes* Petrunkevitch, 1958* ..... Pa Baltic amber

† ***Systariella* Wunderlich, 2004*af*** ..... **Palaeogene**

1070. *Systariella magnioculi* Wunderlich, 2004*af** ..... Pa Baltic amber

**CLUBIONIDAE Simon, 1895** ..... **Palaeogene – Recent**

Clubionidae gen. et sp. *in* Nishikawa (1974) ..... Qt Mizunami copal

***Clubiona* Latreille, 1804*a*** ..... **Palaeogene – Recent**

1071. *Clubiona arcana* Scudder, 1890*a* ..... Pa Florissant

1072. *Clubiona attenuata* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

1073. *Clubiona curvispinosa* Petrunkevitch, 1922 ..... Pa Florissant

1074. *Clubiona florissanti* Petrunkevitch, 1922 ..... Pa Florissant

1075. *Clubiona lanata* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

1076. *Clubiona microphthalma* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

1077. *Clubiona pubescens* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

1078. *Clubiona sericea* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

1079. *Clubiona tomentosa* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

† ***Desultor* Petrunkevitch, 1942** ..... **Palaeogene**

1080. *Desultor depressus* Petrunkevitch, 1942 ..... Pa Baltic amber

***Elaver* O. P.-Cambridge, 1898** ..... **Neogene – Recent**

1081. *Elaver nutua* (Wunderlich, 1988) ..... Ne Dominican amber

† ***Eobumbatrix* Petrunkevitch, 1922** ..... **Palaeogene**

1082. *Eobumbatrix latebrosa* (Scudder, 1890*a*)* ..... Pa Florissant

† ***Eodoter* Petrunkevitch, 1958** ..... **Palaeogene**

1083. *Eodoter eopala* Wunderlich, 2004*af* ..... Pa Baltic amber

1084. *Eodoter lonimammillae* Wunderlich, 2012*c* ..... Pa Baltic amber

1085. *Eodoter magnificus* Petrunkevitch, 1958* ..... Pa Baltic amber

1086. *Eodoter scutatus* Wunderlich, 2011*d* ..... Pa Baltic amber

1087. *?Eodoter tibialis* Wunderlich, 2011*d* ..... Pa Baltic amber

† ***Eostentatrix* Petrunkevitch, 1922** ..... **Palaeogene**

1088. *Eostentatrix cockerelli* Petrunkevitch, 1922 ..... Pa Florissant

1089. *Eostentatrix ostentata* (Scudder, 1890*a*)* ..... Pa Florissant

† ***Eoversatrix* Petrunkevitch, 1922** ..... **Palaeogene**

1090. *Eoversatrix eversa* (Scudder, 1890*a*)* ..... Pa Florissant

† ***Machilla* Petrunkevitch, 1958** [family uncertain] ..... **Palaeogene**

1091. *Machilla setosa* Petrunkevitch, 1958* ..... Pa Baltic amber

† ***Massula* Petrunkevitch, 1942** [family uncertain] ..... **Palaeogene**

1092. *Massula klebsi* Petrunkevitch, 1942* ..... Pa Baltic amber

† ***Prosocer* Petrunkevitch, 1963** ..... **Neogene**

1093. *Prosocer mollis* Petrunkevitch, 1963* ..... Ne Chiapas amber

**Clubionidae *incertae sedis***

† ***Chiapasona* Petrunkevitch, 1963** ..... **Neogene**

1094. *Chiapasona defuncta* Petrunkevitch, 1963* ..... Ne Chiapas amber

**CORINNIDAE Karsch, 1880*a*** ..... **Palaeogene – Recent**

= MYRMECIIDAE C. L. Koch, 1851 [name already used for ants]

NB: Extinct genera were not considered in the otherwise comprehensive revision of Ramírez (2014), some fossil corinnids may now belong in other families.

† ***Ablator* Petrunkevitch, 1942** ..... **Palaeogene**

= † *Abliguritor* Petrunkevitch, 1942

1095. *Ablator biguttatus* Wunderlich, 2004*ah* ..... Pa Baltic amber

1096. *Ablator curvatus* Wunderlich, 2004*ah* ..... Pa Baltic amber

1097. *Ablator deminuens* Wunderlich, 2004*ah* ..... Pa Baltic amber

1098. *Ablator depressus* Wunderlich, 2004*ah* ..... Pa Baltic amber

1099. *Ablator duomammillae* Wunderlich, 2004*ah* ..... Pa Baltic amber

1100. *Ablator felix* (Petrunkevitch, 1958) ..... Pa Baltic amber

1101. *Ablator inevolvens* Wunderlich, 2004*ah* ..... Pa Baltic amber

1102. *Ablator longus* Wunderlich, 2004*ah* ..... Pa Baltic amber
1103. *Ablator nonguttatus* Wunderlich, 2004*ah* ..... Pa Baltic amber
1104. *Ablator parvus* Wunderlich, 2004*ah* ..... Pa Baltic amber
1105. *Ablator plumosus* (Petrunkevitch, 1950) ..... Pa Baltic amber
1106. *Ablator robustus* Wunderlich, 2004*ah* ..... Pa Baltic amber
1107. *Ablator scutatus* Wunderlich, 2004*ah* ..... Pa Baltic amber
1108. *Ablator splendens* Wunderlich, 2004*ah* ..... Pa Baltic amber
1109. *Ablator triguttatus* (C. L. Koch & Berendt, 1854)* ..... Pa Baltic amber
i. = *Philodromus microcephalus* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber
ii. = *Philodromus squamiger* C. L. Koch & Berendt, 1854 ..Pa Baltic amber
iii. = *Abligurator niger* Petrunkevitch, 1942 ..... Pa Baltic amber

† ***Alterphrurolithus* Wunderlich, 2004*ah*** ..... **Palaeogene**
1110. *Alterphrurolithus longipes* Wunderlich, 2004*ah* ..... Pa Baltic amber

***Castianeira* Keyserling, 1880*b*** ..... **Neogene – Recent**
1111. *Castianeira tenebricosa* Wunderlich, 1988 ..... Ne Dominican amber

† ***Chemmisomma* Wunderlich, 1988** ..... **Neogene**
1112. *Chemmisomma dubia* Wunderlich, 1988* ..... Ne Dominican amber

***Corinna* C. L. Koch, 1842*a*** ..... **Neogene – Recent**
1113. *Corinna flagelliformis* Wunderlich, 1988 ..... Ne Dominican amber

† ***Cornucymbium* Wunderlich, 2004*ah*** ..... **Palaeogene**
1114. *Cornucymbium insolens* Wunderlich, 2004*ah** ..... Pa Baltic amber

† ***Cryptoplanus* Petrunkevitch, 1958** ..... **Palaeogene**
1115. *Cryptoplanus bulbosus* Wunderlich, 2004*ah* ..... Pa Baltic amber
1116. *Cryptoplanus complicatus* Wunderlich, 2004*ah* ..... Pa Baltic amber
1117. *Cryptoplanus incidens* Wunderlich, 2004*ah* ..... Pa Baltic amber
1118. *Cryptoplanus lanatus* (Petrunkevitch, 1958) ..... Pa Baltic amber
1119. *Cryptoplanus paradoxus* Petrunkevitch, 1958* ..... Pa Baltic amber
1120. *Cryptoplanus sericatus* (C. L. Koch & Berendt, 1854) ..... Pa Baltic amber
1121. *Cryptoplanus sinuosus* Wunderlich, 2004*ah* ..... Pa Baltic amber
*Cryptoplanus* sp. *in* Wunderlich (2004*ah*) ..... Pa Baltic amber

† ***Eomazax* Petrunkevitch, 1958** ..... **Palaeogene**
1122. *Eomazax pulcher* Petrunkevitch, 1958* ..... Pa Baltic amber

***Megalostrata* Karsch, 1880*a*** ..... **Neogene – Recent**
1123. *Megalostrata grandis* Wunderlich, 1988 ..... Ne Dominican amber

† ***Myrmecorinna* Wunderlich, 2004*ah*** ..... **Palaeogene**
1124. *Myrmecorinna gracilis* Wunderlich, 2004*ah** ..... Pa Baltic amber

† ***Palpiraptor* Wunderlich, 2011*f*** ..... **Quaternary**
1125. *Palpiraptor myrmarachnoides* Wunderlich, 2011*f** ..... Qt Madagascar copal

† ***Protoorthobula* Wunderlich, 2004*ah*** ..... **Palaeogene**
1126. *Protoorthobula bifida* Wunderlich, 2004*ah** ..... Pa Baltic amber

1127. *Protoorthobula deelemani* Wunderlich, 2004*ah* ..... Pa Baltic / Bitt. Amber

**TRACHELIDAE Simon,1897** ..... **Neogene – Recent**

***Trachelas* L. Koch, 1872** ..... **Neogene**

1128. *Trachelas poinari* Penney, 2001 ..... Ne Dominican amber

**PHRUROLITHIDAE Banks, 1892** ..... **Palaeogene – Recent**

***Phrurolithus* C. L. Koch, 1839*b*** ..... **Palaeogene – Recent**

1129. *Phrurolithus extinctus* Petrunkevitch, 1958 ..... Pa Baltic amber

1130. *Phrurolithus fossilis* Petrunkevitch, 1958 ..... Pa Baltic amber

1131. *Phrurolithus ipseni* Petrunkevitch, 1958 ..... Pa Baltic amber

**ZODARIIDAE Thorell, 1881** ..... **Palaeogene – Recent**

= CRYPTOTHELIDAE L. Koch, 1872 [younger name protected by useage]

= † ADJUTORIDAE Petrunkevitch, 1942

Zodariidae gen. et sp. indet 1–4 *in* Wunderlich (2004*ae*) ..... Pa Baltic amber

† ***Adjutor* Petrunkevitch, 1942** ..... **Palaeogene**

1132. *Adjutor deformis* Petrunkevitch, 1958 ..... Pa Baltic amber

1133. *Adjutor mirabilis* Petrunkevitch, 1942* ..... Pa Baltic amber

† ***Admissor* Petrunkevitch, 1942** ..... **Palaeogene**

1134. *Admissor aculeatus* Petrunkevitch, 1942* ..... Pa Baltic amber

† ***Adorator* Petrunkevitch, 1942** ..... **Palaeogene**

1135. *Adorator hispidus* (C. L. Koch & Berendt, 1854) ..... Pa Baltic / Rovno amber

i. = *Segestria cylindrica* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

ii. = *Eresus curtipes* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

iii. = *Eresus monachus* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

iv. = *Adorator brevipes* Petrunkevitch, 1942* ..... Pa Baltic amber

1136. *Adorator samlandicus* Petrunkevitch, 1942 ..... Pa Baltic amber

† ***Angusdarion* Wunderlich, 2004*ae*** ..... **Palaeogene**

1137. *Angusdarion humilis* Wunderlich, 2004*ae** ..... Pa Baltic amber

† ***Anniculus* Petrunkevitch, 1942** ..... **Palaeogene**

1138. *Anniculus balticus* Petrunkevitch, 1942* ..... Pa Baltic amber

† ***Eocydrele* Petrunkevitch, 1958** ..... **Palaeogene**

1139. *Eocydrele mortua* Petrunkevitch, 1958* ..... Pa Baltic amber

† ***Propago* Petrunkevitch, 1963** ..... **Neogene**

1140. *Propago debilis* Petrunkevitch, 1963* ..... Ne Chiapas amber

† ***Spinizodarion* Wunderlich, 2004*ae*** ..... **Palaeogene**

1141. *Spinizodarion ananulum* Wunderlich, 2004*ae** ..... Pa Baltic amber

† ***Zodariodamus* Wunderlich 2004*ae*** ..... **Palaeogene**

1142. *Zodariodamus recurvatus* Wunderlich 2004*ae** ..... Pa Baltic amber

**PENESTOMIDAE Simon, 1903** ..... **Recent**

no fossil record

† **EPHALMATORIDAE Petrunkevitch, 1950** ..... **Palaeogene**

† ***Ephalmator* Petrunkevitch, 1950** ..... **Palaeogene**

1143. *Ephalmator bitterfeldensis* Wunderlich, 2004*ad* ..... Pa Bitterfeld amber

1144. *Ephalmator calidus* Wunderlich, 2004*ad* ..... Pa Baltic amber

1145. *Ephalmator debilis* Wunderlich, 2004*ad* ..... Pa Baltic amber

1146. *Ephalmator distinctus* Wunderlich, 2004*ad* ..... Pa Baltic amber

1147. *Ephalmator ellwangeri* Wunderlich, 2004*ad* ..... Pa Baltic amber

1148. ?*Ephalmator eximius* Petrunkevitch, 1958 ..... Pa Baltic amber

1149. *Ephalmator fossilis* Petrunkevitch, 1950* ..... Pa Baltic amber

1150. *Ephalmator kerneggeri* Wunderlich, 2004*ad* ..... Pa Baltic amber

1151. *Ephalmator petrunkevitchi* Wunderlich, 2004*ad* ..... Pa Baltic amber

1152. *Ephalmator ruthildae* Wunderlich, 2004*ad* ..... Pa Baltic amber

1153. *Ephalmator tredecim* Wunderlich, 2012*c* ..... Pa Baltic amber

1154. *Ephalmator trudis* Wunderlich, 2004*ad* ..... Pa Baltic amber

1155. *Ephalmator turpiculus* Wunderlich, 2004*ad* ..... Pa Baltic amber

*Ephalmator* sp. *in* Wunderlich (2004*ad*) ..... Pa Baltic amber

**CHUMMIDAE Jocqué, 2001** ..... **Recent**

no fossil record

**HOMALONYCHIDAE Simon, 1893** ..... **Recent**

no fossil record

**GNAPHOSOIDEA Simon, 1893** ..... **Palaeogene – Recent**

**AMMOXENIDAE Simon, 1893** ..... **Recent**

no fossil record

**CITHAERONIDAE Simon, 1893** ..... **Recent**

no fossil record

**GALLIENIELLIDAE Millot, 1947** ..... **Recent**

no fossil record

**TROCHANTERIIDAE Karsch, 1879** ..... **Palaeogene – Recent**

= PLATORIDAE Simon, 1890

† ***Eotrochanteria* Wunderlich, 2004*am*** ..... **Palaeogene**

1156. *Eotrochanteria kruegeri* Wunderlich, 2004*am** ..... Pa Baltic amber

† ***Sosybius* C. L. Koch & Berendt, 1854** ..... **Palaeogene**

= † *Adamator* Petrunkevitch, 1942

= † *Adjunctor* Petrunkevitch, 1942

= † *Adulatrix* Petrunkevitch, 1942

1157. *Sosybius berendti* Wunderlich, 2004*am* ..... Pa Baltic amber
1158. *Sosybius decumana* (C. L. Koch & Berendt, 1854) ..... Pa Baltic amber
1159. *Sosybius falcatus* Wunderlich, 2004*am* ..... Pa Baltic amber
1160. *Sosybius fusca* (Petrunkevitch, 1942) ..... Pa Baltic amber
1161. *Sosybius kochi* Wunderlich, 2004*am* ..... Pa Baltic amber
1162. *Sosybius lateralis* Wunderlich, 2004*am* ..... Pa Baltic amber
1163. *Sosybius longipes* Wunderlich, 2004*am* ..... Pa Baltic amber
1164. *Sosybius major* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber
1165. *Sosybius minor* C. L. Koch & Berendt, 1854* ..... Pa Baltic amber
1166. *Sosybius mizgirisi* Wunderlich, 2004*am* ..... Pa Baltic amber
1167. *Sosybius parva* (Petrunkevitch, 1942) ..... Pa Baltic amber
1168. *Sosybius perniciosus* Wunderlich, 2004*am* ..... Pa Baltic amber
1169. *Sosybius rufa* (Petrunkevitch, 1942) ..... Pa Baltic amber
1170. *Sosybius similis* Petrunkevitch, 1942 ..... Pa Baltic amber
1171. *Sosybius succineus* (Petrunkevitch, 1942) ..... Pa Baltic amber
1172. *Sosybius tibialis* Wunderlich, 2004*am* ..... Pa Baltic amber
1173. *Sosybius unispinosus* Wunderlich, 2004*am* ..... Pa Baltic amber
*Sosybius* sp. *in* Wunderlich (2004*am*, *ar*) ..... Pa Baltic / Rovno amber

† ***Thereola*** **Petrunkevitch, 1955** ..... **Palaeogene**

= † *Therea* Koch & Berendt, 1854 [preoccupied]

1174. *Thereola petiolata* (C. L. Koch & Berendt, 1854)* [♀ = ?*Dasuminia* sp. according to Wunderlich 2004*b*] ..... Pa Baltic amber
1175. *Thereola pubescens* (Menge *in* C. L. Koch & Berendt, 1854) ... Pa Baltic amber

† ***Trochanteridromulus*** **Wunderlich, 2004*am*** ..... **Palaeogene**

1176. *Trochanteridromulus glabripes* Wunderlich, 2004*am** ..... Pa Baltic amber

† ***Trochanteridromus*** **Wunderlich, 2004*am*** ..... **Palaeogene**

1177. *Trochanteridromus scutatus* Wunderlich, 2004*am** ..... Pa Baltic amber

† ***Veterator*** **Petrunkevitch, 1963** ..... **Neogene**

1178. *Veterator angustus* Wunderlich, 1988 ..... Ne Dominican amber
1179. *Veterator ascutum* Wunderlich, 1988 ..... Ne Dominican amber
1180. *Veterator extinctus* Petrunkevitch, 1963* ..... Ne Chiapas amber
1181. *Veterator incompletus* Wunderlich, 1982 ..... Ne Dominican amber
1182. *Veterator longipes* Wunderlich, 1988 ..... Ne Dominican amber
1183. *Veterator loricatus* Wunderlich, 1988 ..... Ne Dominican amber
1184. *Veterator porrectus* Wunderlich, 1988 ..... Ne Dominican amber
1185. *Veterator viduus* Wunderlich, 1988 ..... Ne Dominican amber
*Veterator* sp. 1–2 *in* Wunderlich (1988) ..... Ne Dominican amber

**LAMPONIDAE Simon, 1893** ..... **Recent**

no fossil record

**PRODIDOMIDAE Simon, 1884*a*** ..... **Quaternary – Recent**

= MILTIIDAE Thorell, 1873 [based on a generic synonym]

***Prodidomus* Hentz, 1847** ..... **Quaternary – Recent**

1186. *Prodidomus madagascariensis* Wunderlich, 2011*c*..... Qt Madagascar copal

**GNAPHOSIDAE Pocock, 1898** ..... **?Cretaceous – Recent**

= DRASSIDAE Sundevall, 1833 [based on a generic synonym]

† ***Captrix* Petrunkevitch, 1942** ..... **Palaeogene**

1187. *Captrix lineata* (C. L. Koch & Berendt, 1854)* ..... Pa Baltic amber

***Drassodes* Westring, 1851** ..... **Palaeogene – Recent**

1188. *Drassodes cupreus* (Blackwall, 1834*a*) **[Recent]** ..... Qt England

1189. ?*Drassodes femurus* Lin, Zhang & Wang, 1989 ..... Ne Shanwang

1190. ?*Drassodes sextii* Berland, 1939 ..... Pa Aix-en-Provence

† ***Drassyllinus* Wunderlich, 1988** ..... **Neogene**

1191. *Drassyllinus aliter* Wunderlich, 1988* ..... Ne Dominican amber

† ***Eognaphosops* Wunderlich, 2011*b*** ..... **Palaeogene**

1192. *Eognaphosops cryptoplanoides* Wunderlich 2011*b** ..... Pa Baltic amber

† ***Eomactator* Petrunkevitch, 1958** ..... **Palaeogene**

1193. *Eomactator hamatus* Wunderlich, 2011*b* ..... Pa Baltic amber

1194. *Eomactator hirsutipes* Wunderlich, 2011*b* ..... Pa Baltic amber

1195. *Eomactator mactatus* Petrunkevitch, 1958* ..... Pa Baltic amber

1196. *Eomactator obscurior* Wunderlich, 2011*b* ..... Pa Baltic amber

***Gnaphosa* Latreille, 1804a** ..... **?Cretaceous – Recent**

1197. *Gnaphosa affinis* (C. L. Koch & Berendt, 1854) ..... Pa Baltic amber

i. = *Philodromus dubius* C. L. Koch & Berendt, 1854

1198. *Gnaphosa ambigua* (C. L. Koch & Berendt, 1854) ..... Pa Baltic amber

1199. *Gnaphosa liaoningensis* Chang, 2004

[generic assignment unreliable!] ..... K Jehol biota

***Micaria* Westring, 1851** ..... **Palaeogene – Recent**

1200. *Micaria procera* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

1201. *Micaria tenella* Heer, 1865 ..... Ne Öhningen

† ***Palaeodrassus* Petrunkevitch, 1922** ..... **Palaeogene**

1202. *Palaeodrassus cockerelli* Petrunkevitch, 1922 ..... Pa Florissant

1203. *Palaeodrassus florissanti* Petrunkevitch, 1922 ..... Pa Florissant

1204. *Palaeodrassus hesternus* (Scudder, 1890*a*) ..... Pa Florissant

1205. *Palaeodrassus ingenuus* (Scudder, 1890*a*)* ..... Pa Florissant

1206. *Palaeodrassus interitus* (Scudder, 1890*a*) ..... Pa Florissant

***Scopoides* Platnick, 1989** ..... **Palaeogene – Recent**

1207. *Scopoides dominicanus* Wunderlich, 2011*g* ..... Ne Dominican amber

***Zelotes* Gistel, 1848** ..... **Palaeogene**

1208. *Zelotes concinna* (C. L. Koch & Berendt, 1854) ..... Pa Baltic amber

1209. *Zelotes mundula* (C. L. Koch & Berendt, 1854) ..... Pa Baltic amber

i. = *Melanophora nobilis* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

1210. *Zelotes regalis* (C. L. Koch & Berendt, 1854) ..... Pa Baltic amber

† ***Zelotetis*** **Wunderlich, 2011*b*** ..... **Palaeogene**

1211. *Zelotetis calefacta* Wunderlich, 2011*b* ..... Pa Baltic amber

**SELENOPIDAE Simon, 1897a** ..... **Palaeogene – Recent**

Selenopidae *incertae sedis in* Selden & Wang (2014) ..... Pa Baltic amber

† ***Garcorops*** **Corronca, 2003** ..... **Quaternary – Recent**

1212. *Garcorops jadis* Bosselaers, 2004 ..... Qt Madagascar copal

i. = *?Anyphops cortex* Wunderlich, 2004*as* ..... Qt Madagascar copal

***Selenops*** **Latreille, 1819** ..... **Palaeogene – Recent**

1213. *Selenops benoiti* Wunderlich, 2004*as* ..... Qt Madagascar copal

1214. *Selenops beynai* Schawaller, 1984 ..... Ne Dominican amber

1215. *Selenops dominicanus* Wunderlich, 2004*an* ..... Ne Dominican amber

*Selenops* sp. *in* Wunderlich (1988) ..... Ne Dominican amber

*Selenops* sp. *in* García-Villafuerte (2006*b*) ..... Ne Chiapas amber

*Selenops* sp. *in* Penney (2007) ..... Pa Le Quesnoy amber

**SPARASSIDAE Bertkau, 1872** ..... **Palaeogene – Recent**

= HETEROPODIDAE Thorell, 1873

= MICROMMATIDAE Bertkau, 1878*a*

= EUSPARASSIDAE Järvi, 1912

Sparassidae sp. 1–2 *in* (Wunderlich 2008*c*) ..... Pa Baltic amber

† ***Caduceator*** **Petrunkevitch, 1942** ..... **Palaeogene**

1216. *Caduceator minutus* Petrunkevitch, 1942* ..... Pa Baltic amber

1217. *Caduceator quadrimaculatus* Petrunkevitch, 1950 ..... Pa Baltic amber

† ***Collacteus*** **Petrunkevitch, 1942** ..... **Palaeogene**

1218. *Collacteus captivus* Petrunkevitch, 1942* ..... Pa Baltic amber

† ***Eostaianus*** **Petrunkevitch, 1950** ..... **Palaeogene**

1219. *Eostaianus succini* Petrunkevitch, 1950* ..... Pa Baltic amber

† ***Eostasina*** **Petrunkevitch, 1942** ..... **Palaeogene**

1220. *Eostasina aculeata* Petrunkevitch, 1942* ..... Pa Baltic amber

***Eusparassus*** **Simon 1903** ..... **Palaeogene – Recent**

1221. *Eusparassus crassipes* (C. L. Koch & Berendt, 1854) ..... Pa Baltic amber

***Heteropoda*** **Latreille, 1804*a*** ..... **Palaeogene – Recent**

= † *Retina* Hong, 1985

1222. *Heteropoda rpbusta* [*sic*] (Hong, 1985) ..... Ne Shanwang

NB: as '*H. robusta*' this would be a junior homonym of a living species.

***Pseudosparianthis*** **Simon, 1887** ..... **Neogene – Recent**

1223. *Pseudosparianthis pfeifferi* (Wunderlich, 1988) ..... Ne Dominican amber

***Zachria*** **L. Koch, 1875** ..... **Palaeogene – Recent**

NB: An Australian genus; Wunderlich (2012*c*) regarded at least *Z. desiderablis* as gen. indet.

1224. *Zachria desiderabilis* Petrunkevitch, 1950 ..... Pa Baltic amber

1225. *Zachria peculiata* Petrunkevitch, 1946 ..... Pa Baltic amber

1226. *Zachria restincta* Petrunkevitch, 1958 ..... Pa Baltic amber

**PHILODROMIDAE Thorell, 1870*a*** ..... **Cretaceous – Recent**

Philodromidae sp. *in* Wunderlich (1988) ..... Ne Dominican amber

Philodromidae sp. *in* Wunderlich (2004*ae*) ..... Ne Baltic amber

† ***Cretadromus* Cheng, Shen & Gao, 2009** ..... **Cretaceous**

1227. *Cretadromus liaoningensis* Cheng, Shen & Gao, 2009 ..... K Liaoning Province

NB: Wunderlich (2012*d*) suggested this could be a Theridosomatidae

† ***Eothanatus* Petrunkevitch, 1950** ..... **Palaeogene – Recent**

1228. *Eothanatus diritatis* Petrunkevitch, 1950* ..... Pa Baltic amber

**THOMISIDAE Sundevall, 1833** ..... **Palaeogene – Recent**

= APHANTOCHILIDAE Thorell, 1873

= MISUMENIDAE Thorell, 1887

= STIPHROPODIDAE Simon, 1895

= XYSTICIDAE Dahl, 1912

= BORBOROPACTIDAE Wunderlich, 2004*ao*

Thomisidae gen. et sp. *in* Nishikawa (1974) ..... Qt Mizunami copal

Thomisidae gen. et sp. *in* Bottali (1975) ..... Qt Italy

Thomisidae gen. et sp. *in* Schawaller (1982*d*) ..... Ne Willershausen

Thomisidae gen. et sp. *in* Wunderlich (1988) ..... Ne Dominican amber

Thomisidae gen. et sp. 1–2 *in* Wunderlich (2004*ap*) ..... Pa Baltic amber

Thomisidae gen. et sp. *in* Garciá-Villafuerte (2006*b*) ..... Ne Chiapas amber

Thomisidae *incertae sedis in* Selden & Wang (2014) ..... Pa Green River

***Coriarachne* Thorell, 1870*b*** ..... **Quaternary – Recent**

*Coriarachne* sp. *in* Cutler (1970) ..... Qt Wyoming

† ***Ecotona* Lin, Zhang & Wang, 1989 [*ex* Araneidae]** ..... **Neogene**

1229. *Ecotona brunnea* Zhang, Sun & Zhang, 1994 ..... Ne Shanwang

1230. *Ecotona pilulifera* Zhang, Sun & Zhang, 1994 ..... Ne Shanwang

1231. *Ecotona transipeda* Lin, Zhang & Wang, 1989* ..... Ne Shanwang

† ***Facundia* Petrunkevitch, 1942** ..... **Palaeogene**

1232. *Facundia clara* Petrunkevitch, 1942* ..... Pa Baltic amber

† ***Fiducia* Petrunkevitch, 1950** ..... **Palaeogene**

1233. *Fiducia tenuipes* Petrunkevitch, 1950* ..... Pa Baltic amber

† ***Filiolella* Petrunkevitch, 1955*a*** ..... **Palaeogene**

= † *Filiola* Petrunkevitch, 1942 [preoccupied]

1234. *Filiolella argentata* (Petrunkevitch, 1942)* ..... Pa Baltic amber

† ***Heterotmarus* Wunderlich, 1988** ..... **Neogene**

1235. *Heterotmarus altus* Wunderlich, 1988* ..... Ne Dominican amber

† ***Komisumena* Ono, 1981** ..... **Neogene**

1236. *Komisumena rosae* Ono, 1981* ..... Ne Dominican amber

† ***Miothomisus* Zhang, Sun & Zhang, 1994** ..... **Neogene**

1237. *Miothomisus subnudus* Zhang, Sun & Zhang, 1994 ..... Ne Shanwang

1238. *Miothomisus sylvaticus* Zhang, Sun & Zhang, 1994* ..... Ne Shanwang

***Misumena* Latreille, 1804a** ..... **Palaeogene – Recent**

1239. *Misumena samlandica* Petrunkevitch, 1942 ..... Pa Baltic amber

† ***Palaeoxysticus* Wunderlich, 1985** ..... **Neogene**

1240. *Palaeoxysticus extinctus* Wunderlich, 1985 ..... Ne Randecker Maar

† ***Parvulus* Zhang, Sun & Zhang, 1994** ..... **Neogene**

1241. *Parvulus latissimus* Zhang, Sun & Zhang, 1994* ..... Ne Shanwang

† ***Succinaenigma* Wunderlich, 2004*ap*** ..... **Palaeogene**

1242. *Succinaenigma raptor* Wunderlich, 2004*ap** ..... Pa Baltic amber

† ***Succiniraptor* Wunderlich, 2004*ao*** ..... **Palaeogene**

1243. *Succiniraptor radiatus* (C. L. Koch & Berendt, 1854) ..... Pa Baltic amber

i. = *Succiniraptor paradoxus* Wunderlich, 2004*ao** ..... Pa Baltic amber

***Synema* Simon, 1864** ..... **Palaeogene – Recent**

1244. *Synema enigmaticum* Berland, 1939 ..... Pa Aix-en-Provence

† ***Syphax* C. L. Koch & Berendt, 1854** ..... **Palaeogene**

1245. *Syphax asper* Petrunkevitch, 1950 ..... Pa Baltic amber

1246. *Syphax crassipes* Petrunkevitch, 1942 ..... Pa Baltic amber

1247. *Syphax fuliginosus* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

1248. *Syphax gracilis* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

1249. *Syphax megacephalus* C. L. Koch & Berendt, 1854* ..... Pa Baltic amber

1250. *Syphax secedens* Wunderlich, 2015*a* ..... Pa Baltic amber

1251. *Syphax thoracicus* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

† ***Thomisidites* Straus, 1967** ..... **Neogene**

1252. *Thomisidites hercynicus*, Straus, 1967* ..... Ne Willershausen

† ***Thomisiraptor* Wunderlich, 2004ap** ..... **Palaeogene**

1253. *Thomisiraptor liedtkei* Wunderlich, 2004*ap** ..... Pa Baltic amber

***Thomisus* Walckenaer, 1805** ..... **Palaeogene – Recent**

1254. *Thomisus defossus* Scudder, 1890*a* ..... Pa Florissant

1255. *Thomisus disjunctus* Scudder, 1890*a* ..... Pa Florissant

1256. *Thomisus lividus* Heer, 1865 ..... Ne Öhningen

1257. *Thomisus resutus* Scudder, 1890*a* ..... Pa Florissant

1258. *Thomisus sulzeri* Heer, 1865 ..... Ne Öhningen

***Xysticus* C. L. Koch, 1835** ..... **Palaeogene – Recent**

1259. ?*Xysticus annulipes* Bertkau, 1878*b* ..... Ne Rott, Germany

1260. *Xysticus archaeopalpus* Leech & Matthews, 1971 ..... Ne Alaska

1261. *Xysticus oeningensis* (Heer, 1865) ..... Ne Öhningen

*Xysticus* sp. *in* Protescu (1937) ..... Pa Romanian amber

**SALTICIDAE Blackwall, 1841** ..... **Palaeogene – Recent**

= ATTIDAE Sundevall, 1833 [based on a generic synonym]

= LYSSOMANIDAE Peckham & Wheeler, 1889

Salticidae gen. et sp. *in* Schawaller (1982*d*) ..... Ne Willershausen

Salticidae incertae sedis *in* Selden (2014*b*) ..... Pa Isle of Wight

† ***Almolinus*** **Petrunkevitch, 1958** ..... **Palaeogene**

1262. *Almolinus bitterfeldensis* Wunderlich, 2004*aq* ..... Pa Bitterfeld amber

1263. *Almolinus clarus* Petrunkevitch, 1958* ..... Pa Baltic amber

1264. *Almolinus ligula* Wunderlich, 2004*aq* ..... Pa Baltic amber

?*Almolinus* sp. *in* Wunderlich (2004*aq*) ..... Pa Baltic amber

† ***Attoides*** **Brongniart, 1877** ..... **Palaeogene**

1265. *Attoides eresiformis* Brongniart, 1877 ..... Pa Aix-en-Provence

† ***Calilinus*** **Wunderlich, 2004*aq*** ..... **Palaeogene**

1266. *Calilinus fleissneri* Wunderlich, 2004*aq** ..... Pa Baltic amber

† ***Cenattus*** **Petrunkevitch, 1942** ..... **Palaeogene**

1267. *Cenattus exophthalmicus* Petrunkevitch, 1942* ..... Pa Baltic amber

***Corythalia*** **C. L. Koch, 1851** ..... **Neogene – Recent**

1268. *Corythalia ocululiter* Wunderlich, 1988 ..... Ne Dominican amber

1269. *Corythalia pilosa* Wunderlich, 1982 ..... Ne Dominican amber

1270. *Corythalia scissa* Wunderlich, 1988 ..... Ne Dominican amber

† ***Descangeles*** **Wunderlich, 1988** ..... **Neogene**

1271. *Descangeles pygmaeus* Wunderlich, 1988* ..... Ne Dominican amber

*Descangeles* sp. 1–2 *in* Wunderlich (1988) ..... Ne Dominican amber

***Descanso*** **Peckham & Peckham, 1892** ..... **Neogene – Recent**

*Descanso* sp. *in* Wunderlich (1988) ..... Ne Dominican amber

† ***Distanilinus*** **Wunderlich, 2004*aq*** ..... **Palaeogene**

1272. *Distanilinus filum* Wunderlich, 2004*aq* ..... Pa Baltic amber

1273. *Distanilinus nutus* Wunderlich, 2004*aq** ..... Pa Baltic amber

1274. *Distanilinus paranutus* Wunderlich, 2004*aq* ..... Pa Baltic amber

1275. *Distanilinus pernutus* Wunderlich, 2004*aq* ..... Pa Baltic amber

† ***Eoattopsis*** **Gourret, 1887** ..... **Palaeogene**

1276. *Eoattopsis hirsutus* Gourret, 1887* ..... Pa Aix-en-Provence

† ***Eolinus*** **Petrunkevitch, 1942** ..... **Palaeogene**

1277. *Eolinus balticus* Żabka, 1988 ..... Pa Baltic amber

1278. *Eolinus fungus* Wunderlich, 2004*aq* ..... Pa Baltic amber

1279. *Eolinus insuriens* Wunderlich, 2004*aq* ..... Pa Baltic amber

1280. *Eolinus prominens* Wunderlich, 2004*aq* ..... Pa Baltic amber

1281. *Eolinus samlandica* Wunderlich, 2004*aq* ..... Pa Baltic amber

1282. *Eolinus succineus* Petrunkevitch, 1942* ..... Pa Baltic amber

1283. *Eolinus theryi* Petrunkevitch, 1942 ..... Pa Baltic amber

1284. *Eolinus theryoides* Wunderlich, 2004*aq* ..... Pa Baltic amber

1285. *Eolinus tystschenkoi* Proszynski & Żabka, 1980 ..... Pa Baltic amber

1286. *Eolinus vates* Wunderlich, 2004*aq* ..... Pa Baltic amber

*Eolinus* sp. *in* Wunderlich (2004*aq*) ..... Pa Baltic amber

***Euophrys* C. L. Koch, 1834** ..... **Palaeogene – Recent**

1287. *Euophrys gibberula* (C. L. Koch & Berendt, 1854) ..... Pa Baltic amber

1288. *Euophrys randeckensis* Schawaller & Ono, 1979 ..... Ne Randecker Maar

† ***Evagoratus* Zhang, Sun & Zhang, 1994** ..... **Neogene**

1289. *Evagoratus longicruris* Zhang, Sun & Zhang, 1994 ..... Ne Shanwang

† ***Gorgopsidis* Wunderlich, 2004*aq*** ..... **Palaeogene**

1290. *Gorgopsidis bechlyi* Wunderlich, 2004*aq** ..... Pa Baltic amber

† ***Gorgopsina* Petrunkevitch, 1955a** ..... **Palaeogene – Neogene**

1291. *Gorgopsina amabilis* Wunderlich, 2004*aq* ..... Pa Baltic amber

1292. *Gorgopsina constricta* Wunderlich, 2004*aq* ..... Pa Baltic amber

1293. *Gorgopsina expandens* Wunderlich, 2004*aq* ..... Pa Baltic amber

1294. '*Gorgopsina*' *fasciata* (C. L. Koch & Berendt, 1854) ..... Pa Baltic amber

1295. *Gorgopsina flexuosa* Wunderlich, 2004*aq* ..... Pa Baltic amber

1296. *Gorgopsina formosa* (C. L. Koch & Berendt, 1854) ..... Pa Baltic amber

1297. *Gorgopsina fractura* Wunderlich, 2004*ar* ..... Pa Rovno amber

1298. *Gorgopsina frenata* (C. L. Koch & Berendt, 1854)* ..... Pa Baltic amber

1299. *Gorgopsina inclusa* Wunderlich, 2004*aq* ..... Pa Baltic amber

1300. *Gorgopsina jucunda* (Petrunkevitch, 1942) ..... Pa Baltic amber

1301. *Gorgopsina marginata* (C. L. Koch & Berendt, 1854) ..... Pa Baltic amber

1302. *Gorgopsina melanocephala* (C. L. Koch & Berendt, 1854) ..... Pa Baltic amber

1303. *Gorgopsina naumanni* Giebel, 1856 ..... Pa Baltic amber

1304. *Gorgopsina paulula* (C. L. Koch & Berendt, 1854) ..... Pa Baltic amber

1305. *Gorgopsina rectangularis* Wunderlich, 2011*h* ..... Pa Baltic amber

1306. ?*Gorogopsina scharffi* Wunderlich, 2017d ..... Ne Ethiopian amber

1307. *Gorgopsina speciosa* Wunderlich, 2004*aq* ..... Pa Baltic amber

***Heliophanus* C. L. Koch, 1833** ..... **Palaeogene – Recent**

1308. *Heliophanus extinctus* Berland, 1939 ..... Pa Aix-en-Provence

***Hyllus* C. L. Koch, 1846** ..... **Quaternary – Recent**

= † *Parevophrys* Petrunkevitch, 1942

1309. *Hyllus succini* (Petrunkevitch, 1942) ..... Qt Copal

NB: Originally described as Baltic amber

***Lyssomanes* Hentz, 1845** ..... **Neogene – Recent**

1310. *Lyssomanes pristinus* Wunderlich, 1986 ..... Ne Dominican amber

i. = *Lyssomanes galianoae* Reiskind, 1989 ..... Ne Dominican amber

1311. *Lyssomanes pulcher* Wunderlich, 1988 ..... Ne Dominican amber

***Maevia* C. L. Koch, 1846** ..... **?Neogene – Recent**

?*Maevia* sp. *in* Riquelme & Hill (2013) ..... Ne Chiapas amber

† ***Microlinus* Wunderlich, 2004*aq*** ..... **Palaeogene**

1312. *Microlinus calidus* Wunderlich, 2004*aq* ..... Pa Baltic amber

1313. *Microlinus folium* Wunderlich, 2004*aq** ..... Pa Baltic amber

***Myrmarachne* MacLeay, 1839** ..... **Quaternary – Recent**

= † *Entomocephalus* Holl, 1829 [suppressed; see ICZN Opinion 2258]

1314. *Myrmarachne formicoides* (Holl, 1829) ..... ?Qt Copal [?not amber]

***Neon* Simon, 1876*a*** ..... **Quaternary – Recent**

1315. *Neon ?reticulatus* (Blackwall, 1853) **[Recent]** ..... Qt England

***Nilakantha* Peckham & Peckham, 1901** ..... **Neogene – Recent**

1316. *Nilakantha beugelorum* (Wolff, 1990) ..... Ne Dominican amber

† ***Paralinus* Petrunkevitch, 1942** ..... **Palaeogene**

1317. *Paralinus crosbyi* Petrunkevitch, 1942* ..... Pa Baltic amber

† ***Pensacolatus* Wunderlich, 1988** ..... **Neogene**

1318. *Pensacolatus coxalis* Wunderlich, 1988* ..... Ne Dominican amber

1319. *Pensacolatus spinipes* Wunderlich, 1988 ..... Ne Dominican amber

1320. *?Pensacolatus tibialis* Wunderlich, 2004*aq* ..... Ne Dominican amber

*Pensacolatus* sp. *in* Wunderlich (1988) ..... Ne Dominican amber

***Phidippus* C. L. Koch, 1846** ..... **Palaeogene**

1321. *Phidippus impressus* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

1322. *Phidippus pusillus* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

† ***Phlegrata* Wunderlich, 1988** ..... **Neogene**

1323. *Phlegrata pala* Wunderlich, 1988* ..... Ne Dominican amber

† ***Prolinus* Petrunkevitch, 1958** ..... **Palaeogene**

1324. *Prolinus fossilis* Petrunkevitch, 1958* ..... Pa Baltic amber

† ***Salticidites* Straus, 1967** ..... **Neogene**

1325. *Salticidites hercynicus* Straus 1967* ..... Ne Willershausen

***Sarinda* Peckham & Peckham, 1892** ..... **Neogene – Recent**

?*Sarinda* sp. *in* Wunderlich (2004*aq*) ..... Ne Dominican amber

† ***Steneattus* Bronn, 1856** ..... **Palaeogene**

= † *Leda* C. L. Koch & Berendt, 1854 [preoccupied]

1326. *Steneattus promissa* (C. L. Koch & Berendt, 1854)* ..... Pa Baltic amber

**Araneomorphae *incertae sedis***

† ***Elvina* Thorell, 1870*b*** ..... **Neogene**

1327. *Elvina antiqua* (von Heyden, 1859) ..... Ne Linz am Rhein

**Araneae *incertae sedis***

Araneae *incertae sedis in* Selden *et al*. (2014) ..... P Kurty, Kazakhstan

† ***Amphiclotho* Gourret, 1887** ..... **Palaeogene**

1328. *Amphiclotho breviuscula* Gourret, 1887* ..... Pa Aix-en-Provence

† ***Amphithomisus* Gourret, 1887** ..... **Palaeogene**

1329. *Amphithomisus barbatus* Gourret, 1887* ..... Pa Aix-en-Provence

† ***Atocatle* Feldmann, Vega, Applegate & Bishop, 1998** [really a spider?] ..... **Cretaceous**

1330. *Atocatle ranulfoi* Feldmann, Vega, Applegate & Bishop, 1998*....K Puebla, México

† ***Cercidiella* Gourret, 1887** ..... **Palaeogene**

1331. *Cercidiella aquisextana* Gourret, 1887* ..... Pa Aix-en-Provence

† ***Clubionella* Gourret, 1887** ..... **Palaeogene**

1332. *Clubionella antiqua* Gourret, 1887* ..... Pa Aix-en-Provence

† ***Eresoides* Gourret, 1887** ..... **Palaeogene**

1333. *Eresoides orbicularis* Gourret, 1887* ..... Pa Aix-en-Provence

† ***Hersilioides* Gourret, 1887** ..... **Palaeogene**

1334. *Hersilioides thanatiformis* Gourret, 1887* ..... Pa Aix-en-Provence

† ***Opisthophylax* Menge, 1856** ..... **Palaeogene**

1335. *Opisthophylax exarata* Menge, 1856* ..... Pa Baltic amber

† ***Prodysdera* Gourret, 1887** ..... **Palaeogene**

1336. *Prodysdera intermedia* Gourret, 1887* ..... Pa Aix-en-Provence

† ***Protochersis* Gourret, 1887** ..... **Palaeogene**

1337. *Protochersis spinosus* Gourret, 1887* ..... Pa Aix-en-Provence

† ***Protolachesis* Gourret, 1887** ..... **Palaeogene**

1338. *Protolachesis annulata* Gourret, 1887* ..... Pa Aix-en-Provence

† ***Paralycosa* Dunlop & Jekel, 2009** ..... **Palaeogene**

= † *Protolycosa* Gourret, 1887 [preoccupied]

1339. *Paralycosa attiformis* (Gourret, 1887)* ..... Pa Aix-en-Provence

† ***Pseudothomisus* Gourret, 1887** ..... **Palaeogene**

1340. *Pseudothomisus articulatus* Gourret, 1887* ..... Pa Aix-en-Provence

† ***Schellenbergia* Heer, 1865** ..... **Neogene**

1341. *Schellenbergia rotundata* Heer, 1865* ..... Ne Öhningen

† ***Timeropus* Thorell, 1891** ..... **Palaeogene**

= † *Lycosoides* Gourret, 1887 [preoccupied]

1342. *Timeropus hersiliformis* (Gourret, 1887)* ..... Pa Aix-en-Provence

*NOMINA DUBIA*

***Amaurobius* C. L. Koch, 1837** [no currently valid fossil species]

1. *Amaurobius faustus* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber
2. *Amaurobius rimosus* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

***Auximus* Simon, 1892** [now *Lathys* Simon, 1884: Dictynidae; no currently valid fossil species]

3. *Auximus fossilis* Petrunkevitch, 1950 ..... Pa Baltic amber
4. *Auximus succini* Petrunkevitch, 1942 ..... Pa Baltic amber

† ***Clythia* C. L. Koch & Berendt, 1854 (*nomen dubium*)** ..... **Palaeogene**

5. *Clythia alma* C. L. Koch & Berendt, 1854* ..... Pa Baltic amber

† ***Corynitoides* Dunlop & Jekel, 2009 (*nomen dubium*)** ..... **Palaeogene**

= † *Corynitis* Menge *in* C. L. Koch & Berendt, 1854 [preoccupied]

6. *Corynitoides spinosa* (Menge *in* C. L. Koch & Berendt, 1854)* ..... Pa Baltic amber
7. *Corynitoides undulata* (Menge *in* C. L. Koch & Berendt, 1854) ..... Pa Baltic amber

† ***Eocryphoeca*** **Petrunkevitch, 1958** [also contains valid fossil species]

8. *Eocryphoeca distincta* Petrunkevitch, 1950 ..... Pa Baltic amber
9. *Eocryphoeca fossilis* (Petrunkevitch, 1942) ..... Pa Baltic amber

† ***Eometa*** **Petrunkevitch, 1958** [also contains valid fossil species]

10. *Eometa aberrans* Petrunkevitch, 1958 ..... Pa Baltic amber
11. *Eometa robusta* Petrunkevitch, 1958 ..... Pa Baltic amber

***Ero*** **C L. Koch 1836** [also contains valid fossil species]

12. *Ero setulosa* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

† ***Fictotama*** **Petrunkevitch, 1963 (*nomen dubium*)** ..... **Palaeogene**

13. *Fictotama extincta* Petrunkevitch, 1963* ..... Ne Chiapas amber

† ***Memoratrix*** **Petrunkevitch, 1942 (*nomen dubium*)** ..... **Palaeogene**

NB: Regarded by Wunderlich (2004*p*) as a possible pimoid or linyphiid

14. *Memoratrix rydei* Petrunkevitch, 1942 ..... Pa Baltic amber

† ***Mimetarchaea*** **Eskov, 1992** ..... **Palaeogene**

15. *Mimetarchaea gintaras* Eskov, 1992* ..... Pa Baltic amber

NB: Name based on a subadult male

† ***Miropholcus*** **Petrunkevitch, 1942 (*nomen dubium*)** ..... **Palaeogene**

= † *Micropholcus* Petrunkevitch, 1942 [*lapsus*]

16. *Miropholcus heteropus* Petrunkevitch, 1942* ..... Pa Baltic amber

† ***Perturbator*** **Petrunkevitch, 1971 (*nomen dubium*)** ..... **Neogene**

17. *Perturbator corniger* Petrunkevitch, 1971* ..... Ne Chiapas amber

† ***Phalangopus*** **Menge *in* C. L. Koch & Berendt, 1854 (*nomen dubium*)** ..... **Palaeogene**

18. *Phalangopus subtilis* Menge *in* C. L. Koch & Berendt, 1854* ..... Pa Baltic amber

† ***Praeoarces*** **Wunderlich, 2004*q*** ..... **Palaeogene**

19. *Praeoarces exitus* Wunderlich, 2004*q** ..... Pa Baltic amber

***Segestria*** **Latreille, 1804** [also contains valid fossil species]

20. *Segestria elongata* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber
21. *Segestria nana* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

*NOMINA NUDA*

***Amaurobius*** **C. L. Koch, 1837** [no currently valid fossil species]

1. *Amaurobius spinimanus* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

probably belongs in *Eomatachia* (cf. Wunderlich 2017*a*), but species unclear

† ***Anatone*** **Menge *in* C. L. Koch & Berendt, 1854 (*nomen nudum*)** ..... **Palaeogene**

2. *Anatone hirsuta* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber
3. *Anatone marginata* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber
4. *Anatone spinipes* Menge *in* C. L. Koch & Berendt, 1854* ..... Pa Baltic amber

***Aranea*** **Clerck, 1757** [now *Araneus* Clerck, 1757; which also contains valid fossil species]

5. *Aranea fossilis* Keferstein, 1834 ..... Pa Aix-en-Provence

***Archaea*** **C. L. Koch & Berendt, 1854** [also contains valid fossil species]

6. *Archaea incomta* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber
7. *Archaea sphinx* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

† ***Athera*** **Menge *in* C. L. Koch & Berendt, 1854 (*nomen nudum*)** ..... **Palaeogene**

8. *Athera exilis* Menge *in* C. L. Koch & Berendt, 1854* ..... Pa Baltic amber

***Attus*** **Walckenaer, 1805** [now *Salticus* Latreille, 1804; no currently valid fossil species]

9. *Attus fossilis* Walckenaer, 1837 ..... Pa Baltic amber

***Clubiona*** **Latreille, 1804** [also contains valid fossil species]

10. *Clubiona eseri* Heer, 1865 ..... Ne Öhningen
11. *Clubiona latifrons* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber
12. *Clubiona parvula* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber
13. *Clubiona pilosa* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

† ***Clythia*** **C. L. Koch & Berendt, 1854** [also contains a *nomen dubium* fossil species]

14. *Clythia funestra* Koch & Berendt, 1854 ..... Pa Baltic amber
15. *Clythia gracilenta* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber
16. *Clythia leptocarena* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

† ***Dielacata*** **Menge *in* C. L. Koch & Berendt, 1854 (*nomen nudum*)** ..... **Palaeogene**

17. *Dielacata superba* Menge *in* C. L. Koch & Berendt, 1854* ..... Pa Baltic amber

***Drassus*** **Walckenaer, 1805** [now *Gnaphosa* Latreille, 1804; which also contains valid fossil species]

18. *Drassus oblongus* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

***Dysdera*** **Latreille, 1804** [also contains valid fossil species]

19. *Dysdera hippopodium* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber
20. *Dysdera glabrata* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber
21. *Dysdera scobiculata* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber
22. *Dysdera tenera* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

† ***Eolinus*** **Petrunkevitch, 1942** [also contains valid fossil species]

23. *Eolinus bitterfeldensis* Wunderlich, 2004*aq* ..... Pa Baltic amber
24. *Eolinus tystschenkoides* Wunderlich, 2004*aq* ..... Pa Baltic amber

***Epeira*** **Walckenaer, 1805** [now *Araneus* Clerck, 1757; which also contains valid fossil species]

25. *Epeira eocaenica* Giebel, 1856 ..... Pa Baltic amber
26. *Epeira eocena* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

† ***Epeiridion*** **Menge *in* C. L. Koch & Berendt, 1854 (*nomen nudum*)** ..... **Palaeogene**

27. *Epeiridion femoratum* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

† ***Erithus*** **Menge *in* C. L. Koch & Berendt, 1854 (*nomen nudum*)** ..... **Palaeogene**

28. *Erithus applanatus* Menge *in* C. L. Koch & Berendt, 1854* ..... Pa Baltic amber

***Ero*** **C. L. Koch & Berendt, 1836** [also contains valid fossil species]

29. *Ero coronata* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber
30. *Ero exculpta* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber
31. *Ero sphaerica* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber
32. *Ero quadripunctata* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

† ***Eyukselus*** **Özdikmen, 2007 (*nomen nudum*)** ..... **Palaeogene**

= † *Propetes* Menge, 1854 [preoccupied]

33. *Eyukselus argutus* (Menge *in* C. L. Koch & Berendt, 1854) ..... Pa Baltic amber
34. *Eyukselus felinus* (Menge *in* C. L. Koch & Berendt, 1854) ..... Pa Baltic amber
35. *Eyukselus griseus* (Menge *in* C. L. Koch & Berendt, 1854) ..... Pa Baltic amber

36. *Eyukselus latifrons* (Menge *in* C. L. Koch & Berendt, 1854) ..... Pa Baltic amber
37. *Eyukselus pumilus* (Menge *in* C. L. Koch & Berendt, 1854) ..... Pa Baltic amber

***Gea* C. L. Koch, 1843** [also contains valid fossil species]

38. *Gea pubescens* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

† ***Heteromma* Menge, 1856 (*nomen nudum*)** ..... **Palaeogene**

39. *Heteromma intersecta* Menge, 1856* ..... Pa Baltic amber

† ***Idmonia* Menge *in* C. L. Koch & Berendt, 1854 (*nomen nudum*)** ..... **Palaeogene**

40. *Idmonia virginea* Menge *in* C. L. Koch & Berendt, 1854* ..... Pa Baltic amber

***Melanophora* C. L. Koch, 1833** [now *Zelotes* Gistel, 1848; which also contains valid fossil species]

41. *Melanophora lepida* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber
42. *Melanophora nitida* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

***Micaria* Westring, 1851** [also contains valid fossil species]

43. *Micaria ovata* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber
44. *Micaria squamata* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber
45. *Micaria tenuis* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

***Micryphantes* C. L. Koch, 1833** [also contains valid fossil species]

46. *Micryphantes globulus* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber
47. *Micryphantes turritus* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

† ***Mizalia* C. L. Koch & Berendt, 1854** [also contains valid fossil species]

48. *Mizalia truncata* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

† ***Ocia* Menge *in* C. L. Koch & Berendt, 1854 (*nomen nudum*)** ..... **Palaeogene**

49. *Ocia hirsuta* Menge *in* C. L. Koch & Berendt, 1854* ..... Pa Baltic amber

***Ocypete* C. L. Koch, 1836** [now *Heteropoda* Latreille, 1804; which also contains valid fossil species]

50. *Ocypete angustifrons* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber
51. *Ocypete marginata* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

† ***Onca* Menge *in* C. L. Koch & Berendt, 1854 (*nomen nudum*)** ..... **Palaeogene**

52. *Onca lepida* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber
53. *Onca pumila* Menge *in* C. L. Koch & Berendt, 1854* ..... Pa Baltic amber

***Philodromus* Walckenaer, 1826** [also contains valid fossil species]

54. *Philodromus griseus* Menge, 1856 ..... Pa Baltic amber
55. *Philodromus marginatus* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber
56. *Philodromus reptans* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber
57. *Philodromus redogradus* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber
58. *Philodromus spinipes* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

***Pythonissa* C. L. Koch, 1837** [now *Gnaphosa* Latreille, 1804; which also contains valid fossil species]

59. *Pythonissa bipunctata* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber
60. *Pythonissa discophora* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber
61. *Pythonissa glabra* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber
62. *Pythonissa villosa* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

***Segestria* Latreille, 1804** [also contains valid fossil species]

63. *Segestria exarata* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber
64. *Segestria sulcata* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

65. *Segestria undulata* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

† ***Siga* Menge *in* C. L. Koch & Berendt, 1854 (*nomen nudum*)** ..... **Palaeogene**

66. *Siga crinita* Menge *in* C. L. Koch & Berendt, 1854* ..... Pa Baltic amber

† ***Spheconia* Menge *in* C. L. Koch & Berendt, 1854 (*nomen nudum*)** ..... **Palaeogene**

67. *Spheconia brevipes* Menge *in* C. L. Koch & Berendt, 1854* ..... Pa Baltic amber

† ***Syphax* C. L. Koch & Berendt, 1854** [also contains valid fossil species]

68. *Syphax hirtus* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

***Theridium* Walckenaer, 1805** [now *Theridion* Walckenaer, 1805; which also contains valid fossil species]

69. *Theridium bifurcum* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

70. *Theridium chorius* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

71. *Theridium clavigerum* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

72. *Theridium crassipes* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

73. *Theridium setulosum* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

***Thomisus* Walckenaer, 1805** [also contains valid fossil species]

74. *Thomisus matutinus* Menge, 1856 ..... Pa Baltic amber

† ***Thyelia* C. L. Koch & Berendt, 1854** [also contains valid fossil species]

75. *Thyelia mengei* Giebel, 1856 ..... Pa Baltic amber

76. *Thyelia pectinata* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

77. *Thyelia spinosa* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

† ***Zilla* C. L. Koch & Berendt, 1834** [also contains valid fossil species]

78. *Zilla cornumana* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

79. *Zilla spinipalpa* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

MISIDENTIFICATIONS

***Aranea* Clerck, 1757** [now *Araneus* Clerck, 1757; which also contains valid fossil species]

1. *Aranea fusca pilosa* Bloch, 1776 [*nomen dubium*; non Araneae?] ..... Qt Copal

† ***Araneaovoius* Dunlop & Braddy, 2011 [ichnogenus]** ..... **Palaeogene**

2. *Araneaovoius columbiae* (Scudder 1878)* [fossil egg sac]..... ..... Pa Canada / USA

† ***Archaeometa* Pocock, 1911** ..... **?Devonian**

3. ?*Archaeometa devonica* Størmer, 1976 [unidentifiable] ..... D Alken an der Mosel

† ***Eopholcus* Frič, 1904** ..... **Carboniferous**

4. *Eopholcus pedatus* Frič, 1904* [not identified] ..... C Nýřany

† ***Oichnus* Bromley 1981 [ichnogenus]** ..... **Palaeogene**

5. *Oichnus bavincourti* (Vaillant, 1909) [at one stage placed in *Cteniza*] ..... Pa Northern France

† ***Palpipes* Roth, 1854** ..... **Jurassic**

6. *Palpipes cursor* Roth, 1854 [crustacean] ..... J Solnhofen

† ***Palaeocteniza* Hirst, 1923** ..... **Devonian**

7. *Palaeocteniza crassipes* Hirst, 1923* [juvenile trigonotarbid?] ..... D Rhynie chert

† ***Pleurolycosa* Frič, 1904** ..... **Carboniferous**

8. *Pleurolycosa prolifera* (Frič, 1901)* [unidentifiable] ..... C Nýřany

46,762 Recent species according to the WSC (2017)

# HAPTOPODA

1 currently valid species of fossil haptopod

† **HAPTOPODA Pocock, 1911** ..... **Carboniferous**

† **PLESIOSIRONIDAE Pocock, 1911** ..... **Carboniferous**

† ***Plesiosiro* Pocock, 1911** ..... **Carboniferous**

1. *Plesiosiro madeleyi* Pocock, 1911 ..... C Coseley

no Recent species

# AMBLYPYGI

12 currently valid species of fossil whip spider

**AMBLYPYGI Thorell, 1882** ..... **Carbon. – Recent**

= PHRYNÉIDES Walckenaer, 1837

= PHRYNICHIDA Petrunkevitch, 1945*a*

**PALAEOAMBLYPYGI Weygoldt, 1996 (suborder)** ..... **Carbon. – Recent**

**family uncertain**

† ***Sorellophrynus*** **Harvey, 2002** ..... **Carboniferous**

= † *Protophrynus* Petrunkevitch, 1913 (preoccupied)

1. *Sorellophrynus carbonarius* (Petrunkevitch, 1913)* ..... C Mazon Creek

† ***Thelyphrynus*** **Petrunkevitch, 1913** ..... **Carboniferous**

2. *Thelyphrynus elongatus* Petrunkevitch, 1913 ..... C Mazon Creek

† ***Graeophonus*** **Scudder, 1890*b*** ..... **Carboniferous**

3. *Graeophonus anglicus* Pocock, 1911 ..... C Coseley
4. *Graeophonus carbonarius* (Scudder, 1876)* ..... C Cape Breton
5. *Graeophonus scudderi* Pocock, 1911 ..... C Mazon Creek

**PARACHARONTIDAE Weygoldt, 1996** ..... **Carbon. – Recent**

† ***Paracharonopsis*** **Engel & Grimaldi, 2014** ..... **Palaeogene**

6. *Paracharonopsis cambayensis* Engel & Grimaldi, 2014* ..... Pa Cambay amber

**EUAMBLYPYGI Weygoldt, 1996 (suborder)** ..... **Cretaceous – Recent**

**CHARINIDAE Quintero, 1986** ..... **Recent**

no fossil record

**NEOAMBLYPYGI Weygoldt, 1996 (infraorder)** ..... **Cretaceous – Recent**

**CHARONTIDAE Simon, 1892*a*** ..... **Recent**

no fossil record

**UNIDISTITARSATA Engel & Grimaldi, 2014** ..... **Cretaceous – Recent**

† ***Kronocharon*** **Engel & Grimaldi, 2014** ..... **Cretaceous**

7. *Kronocharon engeli* Wunderlich, 2015*c* ..... K Burmese amber
8. *Kronocharon longicalcaris* Wunderlich, 2015*c* ..... K Burmese amber
9. *Kronocharon prendinii* Engel & Grimaldi, 2014* ..... K Burmese amber

**PHRYNOIDEA Blanchard, 1852** ..... **Cretaceous – Recent**

**PHRYNICHIDAE Simon, 1892*a*** ..... **Recent**

no fossil record

**PHRYNIDAE Blanchard, 1852** …… **Cretaceous – Recent**

= † ELECTROPHRYNIDAE Petrunkevitch, 1971

† ***Britopygus* Dunlop & Martill, 2002** …… **Cretaceous**

10. *Britopygus weygoldti* Dunlop & Martill, 2002 …… K Crato Formation

***Phrynus* Lamarck, 1801** …… **Neogene – Recent**

11. *Phrynus mexicana* Poinar & Brown, 2004 …… Ne Chiapas amber
12. *Phrynus resinae* (Schawaller, 1979*b*) …… Ne Dominican amber

*NOMINA DUBIA*

1. *Electrophrynus mirus* Petrunkevitch, 1971 …… Ne Chiapas amber
2. *Phrynus fossilis* Keferstein, 1834 …… Pa Aix-en-Provence

i. = *Phrynus marioni* Gourret, 1887 …… Pa Aix-en-Provence

136 Recent species according to Harvey (2003)

# UROPYGI

9 currently valid species of fossil whip scorpion

**UROPYGI Thorell, 1882** ..... **Carbon. – Recent**

= THELYPHONIDA Latreille, 1804b

= UROTRICHA C. L. Koch, 1851

= OXOPOEI Thorell, 1888

= HOLOPELTIDIA Börner, 1902

Thelyphonida sp. *in* Selden *et al*. 2014 ..... C Donets Basin

**plesion genera**

† ***Geralinura* Scudder, 1884** ..... **Carboniferous**

1. *Geralinura britannica* Pocock, 1911 ..... C Coseley
2. *Geralinura carbonaria* Scudder, 1884* ..... C Mazon Creek
   i. = *Geralinura gigantea* Petrunkevitch, 1913 ..... C Mazon Creek
   ii. = *Geralinura similis* Petrunkevitch, 1913 ..... C Mazon Creek

† ***Parageralinura* Tetlie & Dunlop, 2008** ..... **Carboniferous**

3. *Parageralinura marsiglioi* Selden, Dunlop & Simonetto, 2016 ..... C Carnic Alps
4. *Parageralinura naufraga* (Brauckmann & Koch, 1983)* ..... C Hagen-Vorhalle
5. *Parageralinura neerlandicus* Laurentiaux-Viera & Laurentiaux, 1961..... C Limburg

† ***Proschizomus* Dunlop & Horrocks, 1996** ..... **Carboniferous**

6. *Proschizomus petrunkevitchi* Dunlop & Horrocks, 1996 ..... C Coseley

† ***Prothelyphonus* Frič, 1904** ..... **Carboniferous**

7. *Prothelyphonus bohemicus* (Kušta, 1884*b*) ..... C Rakovník
   i. = *Prothelyphonus cordai* Frič, 1904 ..... C Rakovník
   ii. = *Geralinura crassa* Kušta, 1888 ..... C Rakovník
   iii. = *Geralinura noctua* Kušta, 1888 ..... C Rakovník
   iv. = *Geralinura scudderi* Kušta, 1888 ..... C Rakovník

**THELYPHONIDAE Lucas 1835** ..... **Cretaceous – Recent**

† ***Burmathelyphonia* Wunderlich, 2015*c*** ..... **Cretaceous**

8. *Burmathelyphonia prima* Wunderlich, 2015*c** ..... K Burmese amber

† ***Mesoproctus* Dunlop, 1988** ..... **Cretaceous**

9. *Mesoproctus rowlandi* Dunlop, 1998 ..... K Crato Formation

*Mesoproctus* sp. *in* Dunlop & Martill (2002) ..... K Crato Formation

MISIDENTIFICATIONS

1. *Thelyphonus hadleyi* Pierce, 1945 [unidentifiable, ?algal] ..... Ne California

110 Recent species according to Prendini (2011)

# SCHIZOMIDA

6 currently valid species

- the fossil family Calcitronidae cannot be meaningfully compared to the Recent families

**SCHIZOMIDA Petrunkevitch, 1945*b*** ..... **Palaeogene – Recent**

= TARTARIDES Thorell, 1888 (tribe)

= COLOPYGA Cook, 1899 (order)

= SCHIZOPELTIDA Börner, 1902 (tribe)

† **CALCITRONIDAE Petrunkevitch, 1945*b*** ..... **Palaeogene – Neogene**

† ***Calcitro*** **Petrunkevitch, 1945*b*** ..... **Palaeogene – Neogene**

1. *Calcitro fisheri* Petrunkevitch, 1945*b** ..... Ne Onyx Marble
2. *Calcitro oplonis* Lin *in* Lin *et al*., 1988 ..... Pa Shandong, China

**HUBBARDIIDAE Cook, 1899** ..... **Neogene – Recent**

***Antillostenochrus*** **Armas & Teruel, 2002** ..... **Neogene – Recent**

3. *Antillostenochrus pseudoannulatus* (Krüger & Dunlop, 2010) ..... Ne Dominican Amber

† ***Calcoschizomus*** **Pierce, 1951** ..... **Neogene**

4. *Calcoschizomus latisternum* Pierce, 1951 ..... Ne Onyx Marble

† ***Onychothelyphonus*** **Pierce, 1950** ..... **Neogene**

5. *Onychothelyphonus bonneri* Pierce, 1950 ..... Ne Onyx Marble

***Rowlandius*** **Reddell & Cokendolpher, 1995** ..... **Neogene – Recent**

6. *Rowlandius velteni* (Krüger & Dunlop, 2010) ..... Ne Dominican Amber

**PROTOSCHIZOMIDAE Rowland, 1975** ..... **Recent**

no fossil record

267 Recent species according to Harvey (pers. comm. 2009)

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