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 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 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

Recent work has included a revision, plus new species, of the extinct Chasmataspidida. Of some note is the raising of a new suborder of harvestmen, with a new Coal Measures species, and the transfer of the Devonian harvestman to this suborder. Some overlooked amber records of harvestman were also added. A new family record of pseudoscorpions in amber is also included, as are two significant new species of Triassic gall mite. A new pleutreurid spider from Spain has been described and extinct spider family missed in the previous version was added. Some overlooked historical names from Willershausen are also added.

ACKNOWLEDGMENTS

We are, as ever, especially grateful to Norman Platnick for agreeing to host this list as an appendix to the Catalog, to Paul Selden for encouragement and support 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 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

EUCHELICERATA

4 currently valid, but unplaced euchelicerate fossil species

- *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

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

STEM-EUCHELICERATA?

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

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

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

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

EUCHELICERATA *INCERTAE SEDIS*

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

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

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

4. *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* ..... **Siliurian – 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* ..... **Siliurian – 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**

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

26. *Kasibelinurus amicorum* Pickett, 1993* ..... D New South Wales
27. *Kasibelinurus yueya* Lamsdell, Xue & Selden, 2013 ..... D Yunann, China

possible kasibelinurids?

28. '*Belinurus*' *alleghenyensis* Eller, 1938*a* ..... D New York State
29. '*Belinurus*' *carterae* Eller, 1940 ..... D Pennsylvania
30. *'Prestwichia' randalli* Beecher, 1902 ..... D Pennsylvania

† **ELLERIDAE Raymond, 1944** ..... **Devonian**

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

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

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

family uncertain

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

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

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

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

† ***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

33. *Bellinurus arcuatus* Baily, 1863 ..... C Coal Measues
34. *Bellinurus baldwini* Woodward, 1907*b* ..... C Coal Measues
35. *Bellinurus bellulus* Pictet, 1846 ..... C Coalbrookdale, UK
36. *Bellinurus carwayensis* Dix & Pringle, 1929 ..... C South Wales, UK
37. *Bellinurus concinnus* Dix & Pringle, 1929 ..... C South Wales, UK
38. *Bellinurus grandaevus* Jones & Woodward, 1899 ..... C Nova Scotia
39. *Bellinurus iswariensis* (Chernyshev, 1928) ..... C Donetz Basin
40. *Bellinurus kiltorkensis* Baily, 1869 ..... C Coal Measues
41. *Bellinurus koenigianus* Woodward, 1872*a* ..... C Coal Measues
42. *Bellinurus lacoei* Packard, 1885 ..... C Mazon Creek
43. *Bellinurus longicaudatus* Woodward, 1907*b* ..... C Coal Measues
44. *Bellinurus lunatus* (Martin, 1809) ..... C Mansfield, UK
45. *Bellinurus metschetensis* (Chernyshev, 1928) ..... C Donetz Basin
46. *Bellinurus morgani* Dix & Pringle, 1930 ..... C South Wales, UK
47. *Bellinurus pustulosus* Dix & Pringle, 1929 ..... C South Wales, UK
48. *Bellinurus reginae* Baily, 1863 ..... C Coal Measues
49. *Bellinurus stepanovi* (Chernyshev, 1928) ..... C Donetz Basin
50. *Bellinurus trechmanni* Woodward, 1918 ..... C Coal Measues
51. *Bellinurus trilobitoides* (Buckland, 1837)* ..... C Coalbrookdale, UK
52. *Bellinurus truemani* Dix & Pringle, 1929 ..... C South Wales, UK

† **EUPROOPIDAE Eller, 1938*b***

= † LIOMESASPIDIDAE Raymond, 1944

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

53. *Anacontium brevis* Raymond, 1944 ..... P Oklahoma
54. *Anacontium carpenteri* Raymond, 1944 ..... P Oklahoma

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

= † *Prestwichia* Woodward, 1867 [preoccupied]

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

55. *Euproops anthrax* (Prestwich, 1840) ..... C Coal Measues
56. *Euproops bifidus* Siegfried, 1972 ..... C Coal Measues
57. *Euproops cambrensis* Dix & Pringle, 1929 ..... C Coal Measues
58. *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
59. *Euproops longispina* Packard, 1885 ..... C Mazon Creek
60. *Euproops mariae* Crônier & Courville, 2005 ..... C Massif Central
61. *Euproops meeki* Dix & Pringle, 1929 ..... C South Wales
62. *Euproops nitida* Dix & Pringle, 1929 ..... C South Wales
63. *Euproops orientalis* Kobayashi, 1933 ..... ?P Korea
64. *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

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

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

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

UNNAMED TAXON

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

= † *Neobelinuropsis* Eller, 1938*a*

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

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

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

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

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

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

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

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

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

= † 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

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

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

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

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

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

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

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

= † *Dubbolimulus* Pickett, 1984

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

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

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

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

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

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

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

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

MORAVURIDAE Příbyl, 1967 ..... **Carboniferous**

† ***Moravurus*** **Příbyl, 1967** ..... **Carboniferous**

82. *Moravurus rehori* Příbyl, 1967 ..... C Ostrava-Karviná

† ***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

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

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

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

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

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

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

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

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

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

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

88. *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**

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

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

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

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

97. *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**

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

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

= † *Heterolimulus* Via Boada & Villalta, 1966

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

† ***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] ..... C 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) ..... € 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

= † ALKENOPTERIDAE Poschmann & Tetlie, 2004

† ***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, Argen.

† ***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**

† ***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 Rhenish Massif, Ger.

† ***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

117 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**

† ***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

= † 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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

35. *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**

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

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

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

37. *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**

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

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

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

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

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

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

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

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

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

= † *Mazoniscorpio* Wills, 1960

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

i. = *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**

43. *Eobuthus cordai* Kjellesvig-Waering, 1986 ..... C Kralupy Hill
44. *Eobuthus holti* Pocock, 1911 ..... C Sparth Bottoms
45. *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

46. *Eoscorpius bornaensis* Sterzel, 1918 ..... C Chemnitz–Borna
47. *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
48. *Eoscorpius casei* Kjellesvig-Waering, 1986 ..... C Nova Scotia
49. *Eoscorpius distinctus* (Petrunkevitch, 1949) ..... C Coseley
50. *Eoscorpius mucronatus* Kjellesvig-Waering, 1986 ..... C Barnsley
51. *Eoscorpius pulcher* (Petrunkevitch, 1949) ..... C Barnsley
    i. = *Europhthalmus longimanus* Petrunkevitch, 1949 ..... C Barnsely
52. *Eoscorpius sparthensis* Baldwin & Sutcliffe, 1904 ..... C Sparth Bottoms

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

63. *Paraisobuthus duobicarinatus* Kjellesvig-Waering, 1986 ..... C Shipley

64. *Paraisobuthus frici* Kjellesvig-Waering, 1986 ..... C Kralupy Hill

65. *Paraisobuthus prantli* Kjellesvig-Waering, 1986* ..... C Rakovník

66. *Paraisobuthus virginiae* Kjellesvig-Waering, 1986 ..... C Mazon Creek

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Orthosternina *incertae sedis*

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

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

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

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

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

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

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

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

77. *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

78. *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

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

no fossil record

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

family uncertain

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

79. *Palaeoburmesebuthus grimaldii* Lourenço, 2002* ..... K Myanmar amber

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

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

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

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

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

81. *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**

82. *Centruroides nitidus* (Thorell, 1876*a*) **[Recent]** ..... Ne Dominican amber

i. = *Centruroides beynai* Schawaller, 1979*a* ..... Ne Dominican amber

Microcharmus **Lourenço, 1995** ..... **Quaternary – Recent**

83. *Microcharmus henderickxi* (Lourenço, 2009*a*) ..... Qt Madagascar copal

Microtityus **Kjellesvig-Waering, 1966*c*** ..... **Neogene – Recent**

84. *Microtityus ambarensis* (Schawaller, 1982*a*) ..... Ne Dominican amber

† ***Palaeoakentrobuthus*** **Lourenço & Weitschat, 2000** ..... **Palaeogene**

85. *Palaeoakentrobuthus knodeli* Lourenço & Weitschat, 2000* ..... Pa Baltic amber

† ***Palaeoananteris*** **Lourenço & Weitschat, 2001** ..... **Palaeogene**

86. *Palaeoananteris ribnitiodamgartensis* Lourenço & Weitschat, 2001* ..... Pa Baltic amber

87. *Palaeoananteris ukrainensis* Lourenço & Weitschat, 2009 ..... Pa Rovno amber

88. *Palaeoananteris wunderlichi* Lourenço, 2004 ..... Pa Baltic amber

† ***Palaeoisometrus*** **Lourenço & Weitschat, 2005a** ..... **Palaeogene**

89. *Palaeoisometrus elegans* Lourenço & Weitschat, 2005*a** ..... Pa Baltic amber

† ***Palaeogrosphus*** **Lourenço, 2000*a*** ..... **Quaternary**

90. *Palaeogrosphus copalensis* (Lourenço, 1996*b*) ..... Qt Copal

91. *Palaeogrosphus jacquesi* Lourenco & Henderickx, 2002 ..... Qt Copal

† ***Palaeolychas*** **Lourenço & Weitschat, 1996** ..... **Palaeogene**

92. *Palaeolychas balticus* Lourenço & Weitschat, 1996* ..... Pa Baltic amber

93. *Palaeolychas weitschati* Lourenço, 2012 ..... Pa Baltic amber

† ***Palaeoprotobuthus*** **Lourenço & Weitschat, 2000** ..... **Palaeogene**

94. *Palaeoprotobuthus pusillus* Lourenço & Weitschat, 2000* ..... Pa Baltic amber

† ***Palaeospinobuthus*** **Lourenço, Henderickx & Weitschat, 2005** ..... **Palaeogene**

95. *Palaeospinobuthus cenozoicus* Lourenço, Henderickx & Weitschat, 2005* ..... Pa Baltic amber

† ***Palaeotityobuthus*** **Lourenço & Weitschat, 2000** ..... **Palaeogene**

96. *Palaeotityobuthus longiaculeus* Lourenço & Weitschat, 2000* ..... Pa Baltic amber

Tityus **C. L. Koch, 1836** ..... **?Palaeogene – Recent**

97. *Tityus azari* Lourenço, 2013 ..... Ne Dominican amber

98. '*Tityus*' *eogenus* Menge, 1869 [presumably misplaced] ..... Pa Baltic amber

99. *Tityus geratus* Santiago-Blay & Poinar, 1988 ..... Ne Dominican amber

100. *Tityus (Brazilotityus) hartkorni* Lourenço, 2009*b* ..... Ne Dominican amber

† ***Uintascorpio* Perry, 1995** ..... **Palaeogene**

101. *Uintascorpio halandrasorum* Perry, 1995* ..... Pa Green River

BUTHIDAE *incertae sedis*

102. '*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**

† **PALAEOEUSCORPIDAE Lourenço, 2003** ..... **Cretaceous**

† ***Palaeoeuscorpius* Lourenço, 2003** ..... **Cretaceous**

103. *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**

104. *Araripescorpius ligabuei* Campos, 1986* ..... K Crato Formation

***Chactas* Gervais, 1844** ..... **Subrecent – Recent**

105. *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**

106. *Electrochaerilus buckleyi* Santiago-Blay *et al*., 2004 ..... K Myanmar 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**

107. *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**

108. *Mioscorpio zeuneri* (Hadži, 1931)* ..... Ne Swabian Alps

† ***Sinoscorpius*** **Hong, 1983a** ..... **Neogene**

109. *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**

110. *Brontoscorpio anglicus* Kjellesvig-Waering, 1972 ..... D England

† ***Gondwanascorpio*** **Gess, 2013** ..... **Devonian**

111. *Gondwanascorpio emzantsiensis* Gess, 2013* ..... D Grahamstown

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

112. *Gymnoscorpius mutillidigitatus* Jeram, 1994*b** ..... C northern England

† ***Hubeiscorpio*** **Walossek, Li & Brauckmann, 1990** ..... **Devonian**

113. *Hubeiscorpio gracilitarsis* Walossek, Li & Brauckmann, 1990* ..... D Hubei, China

† ***Liassoscorpionides*** **Bode, 1951** ..... **Jurassic**

114. *Liassoscorpionides schmidti* Bode, 1951* ..... J Hondelage, Germany

† ***Palaeomachus*** **Pocock, 1911** ..... **Carboniferous**

115. *Palaeomachus anglicus* (Woodward, 1876)* ..... C Mansfield

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

116. *Titanoscorpio douglassi* Kjellesvig-Waering, 1986 ..... C Mazon Creek

† ***Wattisonia*** **Wills, 1960** ..... **Carboniferous**

117. *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

c. 2,000 Recent species

OPILIONES

38 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 Myanmar amber

   NB: Originally desribed as a sironid, but regarded 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

EUPNOI Hansen & Sørensen, 1904 (suborder) ..... **Devonian – Recent**

plesion taxa

† ***Brigantibunum* Dunlop & Anderson, 2005** ..... **Carboniferous**

6. *Brigantibunum listoni* Dunlop & Anderson, 2005* ..... C East Kirkton

† ***Kustarachne*** **Scudder, 1890*b*** ..... **Carboniferous**

7. *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**

8. *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**

9. *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**

10. *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**

11. *Amilenus deltshevi* Dunlop & Mitov, 2009 ..... Pa Bitterfeld amber

Dicranopalpus **Doleschall, 1852** ..... **Palaeogene – Recent**

12. *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**

13. ?*Lacinius erinaceus* Staręga, 1966 **[Recent]** ..... Pa Bitterfeld amber

† ***Stephanobunus*** **Dunlop & Mammitzsch, 2010** ..... **Palaeogene**

14. *Stephanobunus mitovi* Dunlop & Mammitzsch, 2010* ..... Pa Baltic amber

?Phalangiidae

15. *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**

16. *Amauropilio atavus* (Cockerell, 1907) ..... Pa Florissant

17. *Amauropilio lacoei* (Petrunkevitch, 1922) ..... Pa Florissant

Leiobunum* C. L. Koch, 1839*a ..... **Jurassic – Recent**

18. *Leiobunum longipes* Menge, 1854 ..... Pa Baltic /Bitter. amber

i. = *Leiobunum saparum* Menge, 1854 [?*lapsus*] ..... Pa Baltic amber

ii. = *Leiobunum inclusum* Roewer, 1939 ..... Pa Baltic amber

† ***Mesobunus* Huang, Selden & Dunlop, 2009** ..... **Jurassic**

19. *Mesobunus dunlopi* Giribet, Tourhino, Shih & Ren, 2012 ..... J Daohugou

20. *Mesobunus martensi* Huang, Selden & Dunlop, 2009* ..... J Daohugou

Family uncertain

† ***Daohugopilio* Huang, Selden & Dunlop, 2009** ..... **Jurassic**

21. *Daohugopilio sheari* Huang, Selden & Dunlop, 2009* ..... J Daohugou

DYSPNOI Hansen & Sørensen, 1904 (suborder) ..... Carbon. – Recent

family uncertain

† ***Ameticos* Garwood *et al*., 2011** ..... **Carboniferous**

22. *Ameticos scolos* Garwood *et al*. 2011* ..... C Montceau-les-Mines

† ***Echinopustulatus* Dunlop, 2004** ..... **Carboniferous**

23. *Echinopustulatus samuelnelsoni* Dunlop, 2004* ..... C Missouri

ISCHYROPSALIDOIDEA Simon, 1879*a* ..... **Palaeogene – Recent**

Tentative assignment, family uncertain

† ***Piankhi* Dunlop, Bartel & Mitov, 2012** ..... **Palaeogene**

24. *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**

25. *Sabacon claviger* (Menge, 1854) ..... Pa Baltic amber

i. = *Sabacon bachofeni* Roewer, 1939 ..... Pa Baltic amber

TROGULOIDEA Sundevall, 1833 ..... **Cretaceous – Recent**

[family uncertain; Shear (2010) suggested it is not an ortholasmatine, but may represent a new family]

† ***Halitherses* Giribet & Dunlop, 2005** ..... **Cretaceous**

26. *Halitherses grimaldii* Giribet & Dunlop, 2005* ..... K Myanmar amber

DICRANOLASMATIDAE Simon, 1879*a* ..... **Recent**

no fossil record

† **EOTROGULIDAE Petrunkevitch, 1955*a*** ..... **Carboniferous**

† ***Eotrogulus* Thevenin, 1901** ..... **Carboniferous**

27. *Eotrogulus fayoli* Thevenin, 1901* ..... C Commentry

NEMASTOMATIDAE Simon, 1879*a* ..... **Palaeogene – Recent**

***Histricostoma* Kratochvíl, 1958** ..... **Palaeogene – Recent**

28. ?*Histricostoma tuberculatum* (C. L. Koch & Berendt, 1854) Pa Baltic/Bitter. amber

***Mitostoma* Roewer, 1951** ..... **Palaeogene – Recent**

29. ?*Mitostoma denticulatum* (C. L. Koch & Berendt, 1854) ..... Pa Baltic amber

i. = *Nemastoma succineum* Roewer, 1939 ..... Pa Baltic amber

30. ?*Mitostoma gruberi* Dunlop & Mitov, 2009 ..... Pa Bitterfeld amber

***Nemastoma* C. L. Koch, 1836** ..... **Palaeogene – Recent**

31. ?*Nemastoma incertum* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

† **NEMASTOMOIDIDAE Petrunkevitch, 1955*a*** ..... **Carboniferous**

† ***Nemastomoides* Thevenin, 1901** ..... **Carboniferous**

= † *Protopilio* Petrunkevitch, 1913

32. *Nemastomoides elaveris* Thevenin, 1901* ..... C Commentry

33. *Nemastomoides longipes* (Petrunkevitch, 1913) ..... C Mazon Creek

NIPPONOSALIDIDAE Martens, 1976 ..... **Recent**

no fossil record

TROGULIDAE Sundevall, 1833 ..... **Palaeogene – Recent**

***Trogulus* Latreille, 1802** ..... **Palaeogene – Recent**

34. *Trogulus longipes* Haupt, 1956 ..... Pa Geiseltal

LANIATORES Thorell, 1876*c* (suborder) ..... Palaeogene – Recent

family uncertain

***Philacarus* Sørensen, 1932** ..... **Neogene – Recent**

35. *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**

36. *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) ..... **Neogene – 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**

37. *Hummelinckiolus silhavyi* Cokendolpher & Poinar, 1998 ..... Ne Dominican amber

***Pellobunus* Banks, 1905** ..... **Neogene – Recent**

38. *Pellobunus proavus* Cokendolpher, 1987 ..... Ne Dominican amber

STYGNOMMATIDAE Roewer, 1923 ..... **Recent**

no fossil record

ASSAMIOIDEA Sørensen, 1884 ..... **Recent**

ASSAMIIDAE Sørensen, 1884 ..... **Recent**

no fossil record

EPEDANIDAE Sørensen, 1886 ..... **Recent**

no fossil record

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

NOMINA DUBIA

1. *Cheiromachus coriaceus* Menge, 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

45 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, 1888 ..... **Palaeogene – Recent**

CHTHONIIDAE Daday, 1888 ..... **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

***Pseudochthonius* Balzan, 1892** ..... **Neogene – Recent**

4. *Pseudochthonius squamosus* Schawaller, 1980*a* ..... Ne Dominican amber

***Tyrannchthonius* Chamberlin, 1929** ..... **Quaternary – Recent**

Tyrannchthonius sp. *in* Judson (2010) ..... Qt Madagascan copal

LECHYTIDAE Chamberlin, 1929 ..... **Neogene – Recent**

***Lechytia* Balzan, 1892** ..... **Neogene – Recent**

5. *Lechytia tertiaria* Schawaller, 1980*a* ..... Ne Dominican amber

TRIDENCHTHONIIDAE Balzan, 1892 ..... **Palaeogene – Recent**

= DITHIDAE Chamberlin, 1929

† ***Chelignathus* Menge, 1854** ..... **Palaeogene**

6. *Chelignathus kochii* Menge, 1854* ..... Pa Baltic amber

FEAELLOIDEA Ellingsen, 1906 ..... **Palaeogene – Recent**

FEAELLIDAE Ellingsen, 1906 ..... **Recent**

† ***Feaella (Tetrafeaella)* Beier, 1955** ..... **Palaeogene – Recent**

7. *Feaella (Tetrafeaella) groehni* Henderickx *in* Henderickx & Boone, 2014 Pa Baltic amber

PSEUDOGARYPIDAE Chamberlin, 1923*a* ..... **Palaeogene – Recent**

***Pseudogarypus* Ellingsen, 1909** ..... **Palaeogene – Recent**

8. *Pseudogarypus extensus* Beier, 1937 ..... Pa Baltic amber
9. *Pseudogarypus hemprichii* (C. L. Koch & Berendt, 1854) ..... Pa Baltic amber
10. *Pseudogarypus minor* Beier, 1947*a* ..... Pa Baltic/Rovno amber
11. *Pseudogarypus pangaea* Henderickx *in* Henderickx *et al.*, 2006 ..... Pa Baltic amber
12. *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

† ***Electrobisium*** **Cockerell, 1917** ..... **Cretaceous**

13. *Electrobisium acutum* Cockerell, 1917*a** ..... K Myanmar amber

Microcreagris **Balzan, 1892** ..... **Palaeogene – Recent**

14. *Microcreagris koellnerorum* Schawaller, 1978 ..... Pa Baltic amber

Neobisium **Chamberlin, 1930** ..... **Palaeogene – Recent**

15. *Neobisium* (*Neobisium*) *exstinctum* Beier, 1955 ..... Pa Baltic amber
16. *Neobisium henderickxi* Judson, 2003 ..... Pa Baltic amber

Roncus **L. Koch, 1873** ..... **Palaeogene – Recent**

17. *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, 1888 ..... **Cretaceous – Recent**

Amblyolpium* Simon, 1898*b ..... **Cretaceous – Recent**

18. *Amblyolpium burmiticum* (Cockerell, 1920) ..... K Myanmar amber

***Garypinus* Daday, 1888** ..... **Palaeogene – Recent**

19. *Garypinus electri* Beier, 1937 ..... Pa Baltic amber

GEOGARYPIDAE Chamberlin, 1930 ..... **Palaeogene – Recent**

***Geogarypus* Chamberlin, 1930** ..... **Palaeogene – Recent**

20. *Geogarypus gorskii* Henderickx, 2005 ..... Pa Baltic/Rovno amber

21. *Geogarypus macrodactylus* Beier, 1937 ..... Pa Baltic amber

22. *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**

23. *Idiogaryops pumilus* (Hoff, 1963) **[Recent]** ..... Ne–R Dominican amber

CHEIRIDIOIDEA Hansen, 1894 ..... **Palaeogene – Recent**

CHEIRIDIIDAE Hansen, 1894 ..... **Palaeogene – Recent**

***Cheiridium* Menge, 1855** ..... **Palaeogene – Recent**

24. *Cheiridium hartmanni* (Menge, 1854) ..... Pa Baltic amber

Cryptocheiridium* Chamberlin, 1931*a ..... **Neogene – Recent**

25. *Cryptocheiridium* (*Cryptocheiridium*) *antiquum* Schawaller, 1981 ..... Ne Dominican amber

PSEUDOCHIRIDIIDAE Chamberlin, 1923*b* ..... **Neogene – Recent**

***Pseudochiridium* With, 1906** ..... **Neogene – Recent**

26. *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** ..... **Quaternary – Recent**

27. *Paratemnoides nidificator* (Balzan, 1888) **[Recent]** ..... Qt–R Colombian copal

† ***Progonatemnus* Beier, 1955** ..... **Palaeogene**

28. *Progonatemnus succineus* Beier, 1955* ..... Pa Baltic amber

CHELIFERIDAE Risso, 1826 ..... **Cretaceous – Recent**

Cheliferidae? indet. *in* Judson (2009) .... K Archingeay amber

† ***Dichela* Menge, 1854** ..... **Palaeogene**

= † *Oligochelifer* Beier, 1937

29. *Dichela berendtii* Menge, 1954* ..... Pa Baltic amber
30. *Dichela gracilis* (Beier, 1937) ..... Pa Baltic amber
31. *Dichela granulatus* (Beier, 1937) ..... Pa Baltic amber
32. *Dichela serratidentatus* (Beier, 1937) ..... Pa Baltic amber

† ***Electrochelifer* Beier, 1937** ..... **Palaeogene**

33. *Electrochelifer bachofeni* Beier, 1947*a* ..... Pa Baltic amber
34. *Electrochelifer balticus* Beier, 1955 ..... Pa Baltic amber
35. *Electrochelifer mengei* Beier, 1937* ..... Pa Baltic amber
36. *Electrochelifer rapulitarsatus* Beier, 1947*a* ..... Pa Baltic amber

† ***Heurtaultia* Judson, 2009** [tentative referal to family] ..... **Cretaceous**

37. *Heurtaultia rossiorum* Judson, 2009 ..... K Archingeay amber

† ***Pycnochelifer* Beier, 1937** ..... **Palaeogene**

38. *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**

39. *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

† ***Oligochernes* Beier, 1937** ..... **Palaeogene**

40. *Oligochernes bachofeni* Beier, 1937 ..... Pa Baltic amber
41. *Oligochernes wigandi* (Menge, 1854) ..... Pa Baltic amber

Pachychernes* Beier, 1932*b ..... **Neogene – Recent**

42. *Pachychernes effossus* Schawaller, 1980*b* ..... Ne Dominican amber
43. *Pachychernes* aff. *subrobustus* (Balzan, 1892) **[Recent]** ..... Qt–R Colombian copal

WITHIIDAE Chamberlin, 1931*b* ..... **Palaeogene – Recent**

† ***Beierowithius* Mahnert, 1979** ..... **Palaeogene**

44. *Beierowithius sieboldtii* (Menge, 1854)* ..... Pa Baltic amber

***Withius* Kew, 1911** ..... **Quaternary – Recent**

45. *Chelifer eucarpus* Dalman, 1826 ..... Qt East African opal

NOMINA DUBIA

1. *Chelifer ehrenbergii* C. L. Koch & Berendt, 1854 .....Pa Baltic amber

NOMINA NUDA

1. *Chelifer fossilis* Weyenbergh, 1874 .....J Solnhofen

3,385 Recent species according to Harvey (2009)

SOLIFUGAE

5 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

† ***Protosolpuga*** **Petrunkevitch, 1913** ..... **Carboniferous**

2. *Protosolpuga carbonaria* Petrunkevitch, 1913* ..... C Mazon Creek

AMMOTRECHIDAE Roewer, 1934 ..... **Neogene – Recent**

† ***Happlodontus*** **Poinar & Santiago-Blay, 1989** ..... **Neogene**

3. *Happlodontus proterus* Poinar & Santiago-Blay, 1989* ..... Ne Dominican amber

CEROMIDAE Roewer, 1933 ..... **Cretaceous – Recent**

† ***Cratosolpuga*** **Selden *in* Selden & Shear, 1996** ..... **Cretaceous**

4. *Cratosolpuga wunderlichi* Selden *in* Selden & Shear, 1996* ..... K Crato Formation

DAESIIDAE Kraepelin, 1899 ..... **Palaeogene – Recent**

† ***Palaeoblossia*** **Dunlop, Wunderlich & Poinar, 2004** ..... **Palaeogene**

5. *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

1,075 Recent species according to Harvey (2003)

PALPIGRADI

1 currently valid species of fossil palpigrade

PALPIGRADI Thorell, 1888 ..... **Neogene – 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* ..... **Recent**

no fossil record

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

78 Recent species according to Harvey (2003)

ACARI: PARASITIFORMES

15 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) ..... **Palaeogene – Recent**

= NOTOSTIGMATA author, date?

OPILIOACAROIDEA Vitzthum, 1931 ..... **Palaeogene – Recent**

OPILIOACARIDAE Vitzthum, 1931 ..... **Palaeogene – Recent**

= NEOACARIDAE Chamberlin & Mulaik, 1942

***Opilioacarus* With, 1902** ..... **?Palaeogene – Recent**

1. *?Opilioacarus aenigmus* Dunlop, Sempf & Wunderlich, 2010 ..... Pa Baltic amber

***Paracarus* Chamberlin & Mulaik, 1942** ..... **Palaeogene – Recent**

2. *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**

3. *Carios jerseyi* Klompen & Grimaldi, 2001 ..... K New Jersey amber

***Ornithodoros* C. L. Koch, 1844** ..... **Neogene – Recent**

4. *Ornithodoros antiquus* Poinar, 1995 ..... Ne Dominican amber

IXODIDAE Banks, 1907 ..... **Cretaceous – Recent**

***Amblyomma* C. L. Koch, 1844** ..... **Neogene – Recent**

5. *Amblyomma* near *argentinae* Neumann, 1905 **[Recent]** (as *testudinis*) *in* Lane & Poinar (1986) ..... Ne–R Dominican amber
6. *Amblyomma* near *dissimile* C. L. Koch, 1844 **[Recent]** *in* Kierens *et al*. (1986) ..... Ne–R Dominican amber

† ***Compluriscutata* Poinar & Buckley, 2008** ..... **Cretaceous**

7. *Compluriscutata vetulum* Poinar & Buckley, 2008* ..... K Myanmar amber

† ***Cornupalpatum* Poinar & Brown, 2003** ..... **Cretaceous**

8. *Cornupalpatum burmanicum* Poinar & Brown, 2003* ..... K Myanmar amber

***Dermacentor* C. L. Koch, 1844** ..... **Neogene – Recent**

9. *Dermacentor* nr. *reticulatus* (Fabricius, 1794) **[Recent]** (*in* Kulczyński *in* Schille 1916) ..... Ne–R in a Rhino's ear

***Hyalomma* C. L. Koch, 1844** ..... **Palaeogene – Recent**

Hyalomma spp. ..... Pa Baltic amber

***Ixodes* Latreille, 1795** ..... **Palaeogene – Recent**

10. *Ixodes sigelos* Keirans, Clifford & Corwin, 1976 **[Recent]** ..... Qt Argentina
11. *Ixodes 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**

12. *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**

13. *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**

14. *Aclerogamasus stenocornis* Witaliński, 2000 ..... Pa Baltic amber

DERMANYSSIAE Evans & Till, 1997 (subcohort) ..... **Neogene – 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**

15. *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 ..... **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 ..... **Recent**

no fossil record

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

296 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 Manitobian 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, 1985** ..... **Cretaceous**

23. *Mesoanystis taymirensis* Zacharda, 1985* .....K Siberian amber

† ***Palaeoerythracarus* Zacharda, 1985** ..... **Palaeogene**

24. *Palaeoerythracarus sachalinensis* Zacharda, 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

† ***Pararainbowia* Dunlop, 2007** ..... **Cretaceous**

25. *Pararainbowia martilli* Dunlop, 2007* ..... K Crato Formation

ERYTHRAEIDAE Robineau-Desvoidy, 1828 ..... **Paleogene – Recent**

= LEPTIDAE Billberg, 1820

= BALUSTIIDAE Grandjean, 1947

Erythraeidae sp. *in* Aoki (1974) ..... Qt Mizunami copal

† ***Arytaena* Menge, 1854 *in* C. L. Koch & Berendt, 1854** ..... **Paleogene**

26. *Arytaena troguloides* Menge *in* C. L. Koch & Berendt, 1854* ..... Pa Baltic amber

***Balaustium* von Heyden, 1826** ..... **Paleogene – Recent**

27. *Balaustium illustris* (C. L. Koch & Berendt, 1854) ..... Pa Baltic amber

***Erythraeus* Latrielle, 1806** ..... **Paleogene – Recent**

28. *Erythraeus bifrons* (Menge *in* C. L. Koch & Berendt, 1854) ..... Pa Baltic amber
29. *Erythraeus foveolatus* (C. L. Koch & Berendt, 1854) ..... Pa Baltic amber
30. *Erythraeus hirsutus* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber
31. *Erythraeus lagopus* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber
32. *Erythraeus longipes* (C. L. Koch & Berendt, 1854) ..... Pa Baltic amber
33. *Erythraeus proavus* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber
34. *Erythraeus procerus* (Menge *in* C. L. Koch & Berendt, 1854) ..... Pa Baltic amber
35. *Erythraeus raripilus* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

36. *Erythraeus rostratus* (Menge *in* C. L. Koch & Berendt, 1854) ..... Pa Baltic amber

37. *Erythraeus saccatus* (C. L. Koch & Berendt, 1854) ..... Pa Baltic amber

***Leptus* Latrielle, 1796** ..... **Paleogene – Recent**

38. *Leptus incertus* (C. L. Koch & Berendt, 1854) ..... Pa Baltic amber

† **PROTERYTHRAEIDAE Vercammen-Grandjean, 1973** ..... **Cretaceous**

† ***Proterythraeus* Vercammen-Grandjean, 1973** ..... **Cretaceous**

39. *Proterythraeus southcotti* Vercammen-Grandjean, 1973* ..... K Manitoba amber

SMARIDIDAE Vitzthum, 1929 ..... **Paleogene – Recent**

Smarididae *in* Kulicka (1990) ..... Pa Baltic amber

TROMBIDIAE author, date? (subcohort) ..... **Creteaceous – Recent**

trombidiid mites?

40. *Megameropsis aquensis* Gourret, 1887 ..... Pa Aix-en-Provence

41. *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**

42. *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**

43. *Allothrombium clavipes* (C. L. Koch & Berendt, 1854) ..... Pa Baltic amber

***Trombidium* Fabricius, 1775** ..... **Paleogene – Recent**

44. *Trombidium crassipes* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber
45. *Trombidium granulatum* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber
46. *Trombidium heterotrichum* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber
47. *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**

48. *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, 1957 ..... **Paleogene – Recent**

***Neophyllobius* Berlese, 1886** ..... **Paleogene – Recent**

49. *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**

50. *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**

51. *Metatetranychus gibbus* (C. L. Koch & Berendt, 1854) ..... Pa Baltic amber

***Schizotetranychus* Trägårdh, 1915** ..... **Palaeogene – Recent**

52. *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**

53. *Cheyletus burmiticus* Cockerell, 1917*b* ..... K Myanmar amber

54. *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**

55. *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**

56. *Pyemotes primus* Khaustov & Perkovsky, 2010 ..... Pa Rovno amber

RESINACARIDAE Mahunka, 1975 ..... **Cretaceous –Rcent**

Protoresinacaris **Khaustov & Poinar, 2010** ..... **Cretaceous**

57. *Protoresinacars brevipedis* Khaustov & Poinar, 2010* ..... K Myanmar 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**

58. *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**

59. *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**

60. *Archaeacarus dubinini* Kethley & Norton *in* Kethley *et al*., 1989* ..... D Gilboa

† ***Pseudoprotacarus* Dubinin, 1962** ..... **Devonian**

61. *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**

62. *Marcvipeda magallanes* Pérez-DA, 1988* [Acari *incerate 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**

63. *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**

64. *Ctenacaronychus nortoni* Subías & Arillo, 2002* ..... D New York

† ***Palaeoctenacarus* Subías & Arillo, 2002** ..... **Carboniferous**

65. *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 – Recent**

† ***Devonacarus*** **Norton *in* Norton *et al*., 1988** ..... **Devonian – Recent**

66. *Devonacarus sellnicki* Norton *in* Norton *et al*., 1988* ..... D Gilboa

† **PROTOCHTHONIIDAE Norton *in* Norton *et al*., 1988** ..... **Devonian – Recent**

† ***Protochthonius*** **Norton *in* Norton *et al*., 1988** ..... **Devonian – Recent**

67. *Protochthonius gilboa* Norton *in* Norton *et al*., 1988* ..... D Gilboa

BRACHYCHTHONIOIDEA Thor, 1934 ..... **Recent**

BRACHYCHTHONIIDAE Thor, 1934 ..... **Recent**

no fossil record

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**

68. *Hypochthonius rufulus* C. L. Koch, 1835 **[Recent]** ..... Qt Finland

† ***Palaeohypochthonius*** **Subías & Arillo, 2002** ..... **Carboniferous**

69. *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**

70. *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 Niedbala, 1984

† ***Archaeoplophora*** **Subías & Arillo, 2002** .....**Carboniferous**

71. *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**

72. *Gehypchthonimimus hibernicus* Subías & Arillo, 2002* .....C County Antrim

PARHYPOCHTHONIIDAE Grandjean, 1932*b* .....**Recent**

no fossil record

MIXONOMATA Grandjean, 1969(supercohort) .....**Paleogene – Recent**

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**

73. *Collohmannia schusteri* Norton, 2006 ..... Pa Baltic amber

† ***Embolacarus* Sellnick, 1919** ..... **Palaeogene – Recent**

74. *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**

75. *Microtritia minima* (Berlese, 1904) **[Recent]** ..... Qt Germany

***Rhysotritia* Märkel & Meyer, 1959** ..... **Quaternary – Recent**

76. *Rhysotritia ardua* (C. L. Koch, 1841) **[Recent]** ..... Qt Germany

77. *Rhysotritia duplicata* (Grandjean, 1953) **[Recent]** ..... Qt Germany

ORIBOTRITIIDAE Grandjean, 1954b ..... **Palaeogene – Recent**

= SABAHTRITIIDAE Mahunka, 1987

***Oribotritia* Jacot, 1924** ..... **Palaeogene – Recent**

78. *Oribotritia pyropus* (Sellnick, 1919) ..... Pa Baltic amber

79. *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 Niedbala, 1986

***Hoplophthiacarus* Jacot, 1933** ..... **Quaternary – Recent**

80. *Hoplophthiacarus pavidus* (Berlese, 1913) **[Recent]** ..... Qt Karelia, Russia

***Phthiacarus* Perty, 1841** ..... **Palaeogene – Recent**

81. *Phthiacarus borealis* Trägardh, date? **[Recent]** ..... Qt Karelia, Russia

82. *Phthiacarus multipunctus* (Sellnick, 1919) ..... Pa Baltic amber

***Steganacarus* Ewing, 1917** ..... **Quaternary – Recent**

83. *Steganacarus applicatus* (Sellnick, 1920) **[Recent]** ..... Qt Denmark

84. *Steganacarus carinatus* (C. L. Koch, 1841) **[Recent]** ..... Qt Finland

85. *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**

86. *Camisia foveolata* Hammer, 1955 **[Recent]** ..... Qt western Norway

87. *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

88. *Camisia invenusta* (Michael, 1888) **[Recent]** ..... Qt western Norway

89. *Camisia lapponica* Trägårdh, 1910 **[Recent]** ..... Qt Karelia, Russia

† ***Eocamisia* Bulanova-Zachvatkina, 1974** ..... **Cretaceous**

90. *Eocamisia sukatshevae* Bulanova-Zachvatkina, 1974* ..... K Siberian amber

***Platynothrus* Berlese, 1913** ..... **Quaternary – Recent**

91. *Platynothrus peltifer* (C. L. Koch, 1839) **[Recent]** ..... Qt Greenland

92. *Platynothrus punctatus* (L. Koch, 1879) **[Recent]** ..... Qt northern Europe

CROTONIIDAE Thorell, 1876 ..... **Neogene – Recent**

= HOLONOTHRIDAE Wallwork, 1963

***Crotonia* Thorell, 1876** ..... **Neogene – Recent**

93. *Crotonia ramus* (Womersley, 1957) ..... Ne Australian retinite

HERMANNIIDAE Sellnick, 1928 ..... **Palaeogene – Recent**

= GALAPAGACARIDAE P. Balogh, 1985

***Hermannia* Nicolet, 1855** ..... **Palaeogene – Recent**

94. *Hermannia gibba* (C. L. Koch, 1839) **[Recent]** ..... Qt Finland

95. *Hermannia reticulata* Thorell, 1871 **[Recent]** ..... Qt Subarctic – Arctic

96. *Hermannia scabra* (L. Koch, 1879) **[Recent]** ..... Qt Greenland

97. *Hermannia sellnicki* Norton, 2006 ..... Pa Baltic amber

MALACONOTHRIDAE Berlese, 1916 ..... **Quaternary – Recent**

***Malaconothrus* Berlese, 1904** ..... **Quaternary – Recent**

98. *Malaconothrus monodactylus* (Michael, 1888) **[Recent]** ..... Qt Europe

***Trimalaconothrus* Berlese, 1916** ..... **Quaternary – Recent**

99. *Trimalaconothrus maior* (Berlese, 1910) **[Recent]** ..... Qt northern Europe

NANHERMANNIIDAE Sellnick, 1928 ..... **Quaternary – Recent**

***Nanhermannia* Berlese, 1913** ..... **Quaternary – Recent**

100. *Nanhermannia coronata* Berlese, 1913 **[Recent]** ..... Qt Karelia, Russia

101. *Nanhermannia elegantula* Berlese, 1913 **[Recent]** ..... Qt Germany

NOTHRIDAE Berlese, 1896 ..... **Paleogene – Recent**

***Nothrus* C. L. Koch, 1836** ..... **Paleogene – Recent**

102. *Nothrus illautus* Sellnick, 1919 ..... Pa Baltic amber

103. *Nothrus punctulum* Karsch, 1884 ..... Pa Baltic amber

104. *Nothrus silvestris* Nicolet, 1855 **[Recent]** ..... Qt Europe

TRHYPOCHTHONIIDAE Willmann, 1931 ..... **Jurassic – Recent**

= ALLONOTHRIDAE Lee, 1985

= MUCRONOTHRIDAE Kunst, 1972

= PARALLONOTHRIDAE Badejo, Woas & Beck, 2002

= TRHYPOCHTHONIELLIDAE Knülle, 1957

***Allonothrus* van der Hammen, 1953** ..... **Neogene – Recent**

Allonothrus sp. *in* Norton & Poinar (1993) ..... Ne Dominican amber

† ***Juracarus* Krivolutsky *in* Krivolutsky & Krasilov, 1977** ..... **Jurassic – Recent**

105. *Juracarus serratus* Krivolutsky *in* Krivolutsky & Krasilov, 1977 ..... J Russian far east

***Mucronothrus* Trägårdh, 1931** ..... **Quaternary – Recent**

106. *Mucronothrus nasalis* (Willmann, 1929) **[Recent]** ..... Qt Karelia, Russia

† ***Palaeochthonius* Krivolutsky *in* Krivolutsky & Krasilov, 1977** ..... **Jurassic – Recent**

107. *Palaeochthonius krasilovi* Krivolutsky *in* Kriv. & Krasilov, 1977 ..... J Russian far east

***Trhypochthonius* Berlese, 1904** ..... **Palaeogene – Recent**

108. *Trhypochthonius badiformis* Sellnick, 1931 ..... Pa Baltic amber

109. *Trhypochthonius cladonicola* (Willmann, 1919) **[Recent]** ..... Qt Germany

110. *Trhypochthonius corniculatus* Sellnick, 1931 ..... Pa Baltic amber

111. *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**

112.*Hermanniella concamerata* Sellnick, 1931 ..... Pa Baltic amber

113.*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 ..... **Palaeogene – Recent**

= LIODOIDEA Grandjean, 1954*b*

NEOLIODIDAE Sellnick, 1928 ..... **Palaeogene – Recent**

= LIODIDAE Grandjean, 1954*b*

***Neoliodes* Berlese, 1888** ..... **Palaeogene – Recent**

= *Liodes* von Heyden, 1826 [preoccupied]

114.*Neoliodes brevitarsus* (Woolley, 1971) ..... Ne Chiapas amber

115.*Neoliodes dominicus* Heethoff, Helfen & Norton, 2009 ..... Ne Dominican amber

116.*Neoliodes quadriscutatus* Sellnick, 1919 ..... Pa Baltic amber

Neoliodes sp. *in* Norton & Poinar (1993) [as *Liodes*] ..... Ne Dominican amber

***Platyliodes* Berlese, 1917** ..... **Palaeogene – Recent**

117.*Platyliodes ensigerus* (Sellnick, 1919) ..... Pa Baltic 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**

118.*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, 1987

no fossil record

PLATEREMAEIDAE Trägårdh, 1926 ..... **Cretaceous – Recent**

***Rasnitsynella* Krivoluckij, 1976** ..... **Cretaceous**

119.*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**

120.*Belba compta* (Kulczynski, 1902) **[Recent]** ..... Qt western Norway

121.*Belba cornyops* (Hermann, 1804)* **[Recent]** ..... Qt Finland

† ***Belbites* Pampaloni, 1902** ..... **Neogene**

122.*Belbites disodilis* Pampaloni, 1902* ..... Ne? Sicily

***Damaeobelba* Sellnick, 1928** ..... **Quaternary – Recent**

123.*Damaeobelba minutissima* (Sellnick, 1920) **[Recent]** ..... Qt Germany

***Damaeus* C. L. Koch, 1835** ..... **Paleogene – Recent**

124.*Damaeus auritus* C. L. Koch, 1835* **[Recent]** ..... Qt Finland

125.*Damaeus genadensis* Sellnick, 1931 ..... Pa Baltic amber

***Spatiodamaeus* Bulanova-Zachvatkina, 1967** ..... **Quaternary – Recent**

126.*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**

127.*Cepheus cepheiformis* (Nicolet, 1855) **[Recent]** ..... Qt Finland

128.*Cepheus dentatus* (Michael, 1888) **[Recent]** ..... Qt Finland

129.*Cepheus implicatus* (Sellnick, 1919) ..... Pa Baltic amber

130.*Cepheus latus* C. L. Koch, 1835* **[Recent]** ..... Qt Finland

***Eupterotegaeus* Berlese, 1916** ..... **Cretaceous – Recent**

131.*Eupterotegaeus bitranslamellatus* Arillo & Subías, 2002 ..... K Álava amber

***Ommatocepheus* Berlese, 1913** ..... **Cretaceous – Recent**

132.*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* ..... **Recent**

MICROZETIDAE Grandjean, 1936*a* ..... **Recent**

no fossil record

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**

133.*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**

134.*Plategeocranus sulcatus* (Karsch, 1884)* ..... Pa Baltic amber

† ***Strieremaeus* Sellnick, 1919** ..... **Cretaceous – Recent**

= † *Archaeorchestes* Arillo & Subías, 2000

135.*Strieremaeus illibatus* Sellnick, 1919 ..... Pa Baltic amber

136.*Strieremaeus minguezae* (Arillo & Subías, 2000) ..... K Álava amber

EREMAEIDAE Oudemans, 1900 ..... **Paleogene – Recent**

***Eremaeus* C. L. Koch, 1836** ..... **Paleogene – Recent**

137.*Eremaeus hepaticus* C. L. Koch, 1835* **[Recent]** ..... Qt Germany

138.*Eremaeus oblongus* **[Recent]** *fossilis* Sellnick, 1919 ..... Pa Baltic amber

***Eueremaeus* Mihelcic, 1963** ..... **Quaternary – Recent**

139.*Eueremaeus silvestris* (Forsslund, 1956) **[Recent]** ..... Qt Finland

† ***Gradidorsum* Sellnick, 1919** ..... **Palaeogene – Recent**

140.*Gradidorsum asper* Sellnick, 1919* ..... Pa Baltic amber

MEGEREMAEIDAE Woolley & Higgins, 1968 ..... **Recent**

no fossil record

NIPHOCEPHEIDAE Travé, 1959 ..... **Recent**

no fossil record

ZETORCHESTIDAE Michael, 1898 ..... **Palaeogene – Recent**

Zetorchestidae 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**

141.*Astegistes pilosus* (C. L. Koch, 1840) **[Recent]** ..... Qt Karelia, Russia

***Cultroribula* Berlese, 1908** ..... **Jurassic – Recent**

142.*Cultroribula jurassica* Krivolutsky *in* Krivolutsky & Krasilov, 1977 ..... J Russian far east

143.*Cultroribula lauta* Sellnick, 1931 ..... Pa Baltic amber

144.*Cultroribula superba* Sellnick, 1931 ..... Pa Baltic amber

GUSTAVIIDAE Oudemans, 1900 ..... **Quaternary – Recent**

***Gustavia* Kramer, 1879** ..... **Quaternary – Recent**

145.*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**

146.*Adoristes ovatus* (C. L. Koch, 1839)* **[Recent]** ..... Qt northern Europe

***Liacarus* Michael, 1898** ..... **Quaternary – Recent**

147.*Liacarus coracinus* (C. L. Koch, 1841) **[Recent]** ..... Qt Finland

***Xenillus* Robineau-Desvoidy, 1839** ..... **Paleogene – Recent**

148.*Xenillus tegeocraniformis* (Sellnick, 1919) ..... Pa Baltic amber

MULTORIBULIDAE Balogh, 1972 ..... **Recent**

no fossil record

PELOPPIIDAE Balogh, 1943 ..... **Paleogene – Recent**

***Ceratoppia* Berlese, 1908** ..... **Paleogene – Recent**

149.*Ceratoppia bipilis fossilis* Sellnick, 1919 ..... Pa Baltic amber

ii. = *Oribates politus* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

150.*Ceratoppia quadridentata* (Haller, 1882) **[Recent]** ..... Qt Finland

TENUIALIDAE Jacot, 1929 ..... **Quaternary – Recent**

***Hafenrefferia* Oudemans, 1906** ..... **Quaternary – Recent**

151.*Hafenrefferia gilvipes* (C. L. Koch, 1839)* **[Recent]** ..... Qt Finland

CARABODOIDEA C. L. Koch, 1843*b* ..... **Palaeogene – 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**

152.*Carabodes areolatus* Berlese, 1916 **[Recent]** ..... Qt Karelia, Russia

153.*Carabodes coriaceus* C. L. Koch, 1835* **[Recent]** ..... Qt Finland

154.*Carabodes coriaceus* **[Recent]** *fossilis* Sellnick, 1931 ..... Pa Baltic amber

155.*Carabodes dissonus* Sellnick, 1931 ..... Pa Baltic amber

156.*Carabodes gerberi* Sellnick, 1931 ..... Pa Baltic amber

157.*Carabodes laybrinthicus* (Michael, 1879) **[Recent]** ..... Qt Europe

158.*Carabodes labyrinthicus* **[Recent]** *fossilis* Sellnick, 1931 ..... Pa Baltic amber

159.*Carabodes marginatus* (Michael, 1884) **[Recent]** ..... Qt Finland

160.*Carabodes minusculus* Berlese, 1923 **[Recent]** ..... Qt Germany

161.*Carabodes ornatus* Storkan, 1925 **[Recent]** ..... Qt Finland

162.*Carabodes subarcticus* Trägardh, 1902 **[Recent]** ..... Qt Finland

163.*Carabodes willmanni* Bernini, 1975 **[Recent]** ..... Qt western Norway

?*Carabodes* sp. *in* Norton & Poinar (1993) ..... Ne Dominican amber

† ***Carabodites* Pampaloni, 1902** ..... **Neogene?**

164.*Carabodites pavesii* Pampaloni, 1902* ..... Ne? Sicily

***Odontocepheus* Berlese, 1913** ..... **Quaternary – Recent**

165.*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 ..... **Paleogene – Recent**

***Dolicheremaeus* Jacot, 1938** ..... **Neogene – Recent**

Dolicheremaeus sp. *in* Norton & Poinar (1993) ..... Ne Dominican amber

***Otocepheus* Berlese, 1905** ..... **Paleogene – Recent**

166.*Otocepheus niger* Sellnick, 1931 ..... Pa Baltic amber

167.*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**

168.*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** ..... **Quaternary – Recent**

169.*Dissorhina ornata* (Oudemans, 1900)* **[Recent]** ..... Qt Germany

***Oppia* C. L. Koch, 1836** ..... **Palaeogene – Recent**

170.*Oppia angustum* (Sellnick, 1931) ..... Pa Baltic amber

171.*Oppia cervicornu* (Sellnick, 1919) ..... Pa Baltic amber

172.*Oppites hurdi* Woolley, 1971 ..... Ne Chiapas amber

173.*Oppia longilamellata* **[Recent]** *fossilis* (Sellnick, 1931) ..... Pa Baltic amber

174.*Oppia medium* (Sellnick, 1931) ..... Pa Baltic amber

175.*Oppia mexicana* (Woolley, 1971) ..... Ne Chiapas amber

176.*Oppia setigera* (Woolley, 1971) ..... Ne Chiapas amber

177.*Oppia sucinum* (Sellnick, 1931) ..... Pa Baltic amber

?*Oppia* sp. *in* Norton & Poinar (1993) ..... Ne Dominican amber

***Oppiella* Jacot, 1937** ..... **Quaternary – Recent**

178.*Oppiella nova* (Oudemans, 1902)* **[Recent]** ..... Qt northern Europe

179.*Oppiella ornata* (Oudemans, 1900) **[Recent]** ..... Qt western Norway

180.*Oppiella splendens* (C. L. Koch, 1841) **[Recent]** ..... Qt western Norway

181.*Oppiella subpectinata* (Oudemans, 1900) **[Recent]** ..... Qt northern Europe

182.*Oppiella translamellata* (Willmann, 1923) **[Recent]** ..... Qt northern Europe

† ***Oppites* Pampaloni, 1902** ..... **Neogene**

183.*Oppites melilli* Pampaloni, 1902* ..... Ne? Sicily

***Ramusella* Hammer, 1962** ..... **Quaternary – Recent**

184.*Ramusella clavipectinata* (Michael, 1885) **[Recent]** ..... Qt Germany

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**

185.*Suctobelbella falcata* (Forsslund, 1941) **[Recent]** ..... Qt Germany

186.*Suctobelbella latirostris* (Strenzke, 1950) **[Recent]** ..... Qt Germany

187.*Suctobelbella longirostris* (Forsslund, 1941) **[Recent]** ..... Qt western Norway

188.*Suctobelbella sarekensis* (Forsslund, 1941) **[Recent]** ..... Qt Europe

189.*Suctobelbella similis* (Forsslund, 1941) **[Recent]** ..... Qt Germany

190.*Suctobelbella subcornigera* (Forsslund, 1941) **[Recent]** ..... Qt Germany

191.*Suctobelbella subtrigona* (Oudemans, 1916) **[Recent]** ..... Qt Europe

192.*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**

193.*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**

194.*Tectocepheus minor* Berlese, 1903 **[Recent]** ..... Qt western Norway

195.*Tectocepheus similis* Sellnick, 1931 ..... Pa Baltic amber

196.*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**

197.*Hydrozetes confervae* (Schrank, 1791) **[Recent]** ..... Qt western Norway

198.*Hydrozetes lacustris* (Michael, 1882)* **[Recent]** ..... Qt northern Europe

199.*Hydrozetes oryktosis* Woolley, 1969 ..... Qt Michigan

Hydrozetes sp. *in* Sivhead & Wallwork (1978) ..... J Sweden

LIMNOZETIDAE Thor, 1937 ..... **Quaternary – Recent**

***Limnozetes* Hull, 1916** ..... **Quaternary – Recent**

200.*Limnozetes ciliatus* (Schrank, 1803)* **[Recent]** ..... Qt northern Europe

201.*Limnozetes rugosus* (Sellnick, 1923) **[Recent]** ..... Qt northern Europe

AMERONOTHROIDEA Willmann, 1931 ..... **Quaternary – Recent**

AMERONOTHRIDAE Willmann, 1931 ..... **Quaternary – Recent**

***Ameronothrus* Berlese, 1896** ..... **Quaternary – Recent**

202.*Ameronothrus lineatus* (Thorell, 1871)* **[Recent]** ..... Qt Europe / Greenland

203.*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**

204.*Ametroproctus valeriae* Arillo, Subías & Shtanchaeva, 2009 ..... K San Just amber

***Cymbaeremaeus* Berlese, 1896** ..... **Paleogene – Recent**

205.*Cymbaeremaeus cymba* (Nicolet, 1855)* **[Recent]** ..... Qt northern Europe

† ***Jureremus* Krivolutsky *in* Krivolutsky & Krasilov, 1977** ..... **Jurassic**

206.*Jureremeus foveolatus* Krivolutsky *in* Krivolutsky & Krasilov, 1977* ..... J Russian far east

207.*Jureremeus phippsi* Selden, Baker & Phipps, 2008 ..... J Yorkshire, UK

***Scapheremaeus* Berlese, 1910** ..... **Paleogene – Recent**

208.*Scapheremaeus undosus* Sellnick, 1919 ..... Pa Baltic amber

† ***Tectocymba* Sellnick, 1919** ..... **Paleogene – Recent**

209.*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 ..... **Palaeogene – 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 ..... **Recent**

no fossil record

LICNEREMAEIDAE Grandjean, 1931 ..... **Palaeogene – Recent**

***Licneremaeus* Paoli, 1908** ..... **Palaeogene – Recent**

210.*Licneremaeus fritschi* Sellnick, 1931 ..... Pa Baltic amber

211.*Licneremaeus licnophorus* (Michael, 1882) **[Recent]** ..... Qt Germany

MICREREMIDAE Grandjean, 1954*b* ..... **Jurassic – Recent**

Micreremus* Grandjean, 1954*b .....[not Berlese 1908?]..... **Paleogene – Recent**

212.*Micreremus brevipes* (Michael, 1888)* **[Recent]** ..... Qt northern Europe

213.*Micreremus reticulatus* Sellnick, 1931 ..... Pa Baltic amber

214.*Micreremus scrobiculatus* Sellnick, 1931 ..... Pa Baltic amber

PASSALOZETIDAE Grandjean, 1954*b* ..... **Quaternary – Recent**

Passalozetes* Grandjean, 1932*a ..... **Quaternary – Recent**

215.*Passalozetes africanus* Grandjean, 1932*a* **[Recent]** ..... Qt Finland

SCUTOVERTICIDAE Grandjean, 1954*b* ..... **Neogene – Recent**

***Arthrovertex* Balogh, 1970** ..... **Neogene – Recent**

216.*Arthrovertex hurdi* (Woolley, 1971)..... Ne Chiapas amber

Arthrovertex sp. *in* Norton & Poinar (1993) ..... Ne Dominican amber

***Scutovertex* Michael, 1879** ..... **Quaternary – Recent**

217.*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, 1917** ..... **Palaeogene – Recent**

218.*Eupelops acromios* (Hermann, 1804) **[Recent]** ..... Qt Finland

219.*Eupelops curtipilus* (Berlese, 1916) **[Recent]** ..... Qt Germany

220.*Eupelops occultus* (C. L. Koch, 1835) **[Recent]** ..... Qt Kerelia, Russia

221.*Eupelops plicatus* (C. L. Koch, 1835) **[Recent]** ..... Qt northern Europe

222.*Eupelops punctulatus* (Sellnick, 1931) ..... Pa Baltic amber

223.*Eupelops uraceus* (C. L. Koch, 1839)* **[Recent]** ..... Qt Kerelia, Russia

Eupelops sp. *in* Karppinen & Koponen (1974) ..... Qt Finland

***Peloptulus* Berlese, 1908** ..... **Quaternary – Recent**

224.*Peloptulus phaenotus* (C. L. Koch, 1844)* **[Recent]** ..... Qt Germany

UNDULORIBATIDAE Kunst, 1971 ..... **Palaeogene – Recent**

***Scutoribates* Sellnick, 1918** ..... **Palaeogene – Recent**

225.*Scutoribates perornatus* Sellnick, 1918 ..... Pa Baltic amber

***Unduloribates* Balogh, 1943** ..... **?Palaeogene – Recent**

226.*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**

227.*Achipteria coleoptera* (Linnaeus, 1757) **[Recent]** ..... Qt Finland / Greenland

228. *?Achipteria obscura* Krivolutsky *in* Krivolutsky & Krasilov, 1977 ..... J Russian far east

[An *incertae sedis* taxon?]

***Parachipteria* van der Hammen, 1952** ..... **Quaternary – Recent**

229.*Parachipteria punctata* (Nicolet, 1855) **[Recent]** ..... Qt northern Europe

230.*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, 1917** ..... **Quaternary – Recent**

231.*Tegoribates latirostris* (C. L. Koch, 1844) **[Recent]** ..... Qt Finland

ORIBATELLOIDEA Jacot, 1925 ..... **Palaeogene – Recent**

ORIBATELLIDAE Jacot, 1925 ..... **Palaeogene – Recent**

***Oribatella* Banks, 1895** ..... **Palaeogene – Recent**

232.*Oribatella berlesei* (Michael, 1898) **[Recent]** ..... Qt Finland

233.*Oribatella calcarata* (C. L. Koch, 1835) **[Recent]** ..... Qt Kerelia, Russia

234.*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**

235.*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**

236.*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**

237.*Lucoppia simplex* Sellnick, 1919 ..... Pa Baltic amber

***Oribatula* Berlese, 1895** ..... **Quaternary – Recent**

238.*Oribatula tibialis* (Nicolet, 1855)* **[Recent]** ..... Qt Europe

***Phauloppia* Berlese, 1908** ..... **Palaeogene – Recent**

239.*Phauloppia lucorum* (C. L. Koch, 1841) **[Recent]** ..... Qt northern Europe

240.*Phauloppia pellucida* (Sellnick, 1931) ..... Pa Baltic amber

† ***Sachalinella* Rjabinin *in* Krivolutzkii & Rjabinin, 1976** ..... **Palaeogene – Recent**

May be a homonym of a bivalve genus

241.*Sachalinella zherichini* Rjabinin *in* Krivolutzkii & Rjabinin, 1976*..... Pa Sachalin amber

***Zygoribatula* Berlese, 1916** ..... **Quaternary – Recent**

242.*Zygoribatula exilis* (Nicolet, 1855) **[Recent]** ..... Qt northern Europe

ORIPODIDAE Jacot, 1925 ..... **Palaeogene – Recent**

= BIROBATIDAE J. Balogh & P. Balogh, 1984

***Benoibates* Balogh, 1958** ..... **Neogene – Recent**

243.*Benoibates chiapasensis* (Woolley, 1971) ..... Ne Chiapas amber

***Oripoda* Banks, 1904** ..... **Palaeogene – Recent**

244.*Oripoda baltica* Sellnick, 1931 ..... Pa Baltic amber

Oripoda sp. *in* Norton & Poinar (1993) ..... Ne Dominican amber

***Parapirnodus* Balogh & Mahunka, 1968** ..... **Neogene – Recent**

245.*Parapirnodus denaius* (Woolley, 1971) ..... Ne Chiapas amber

PARAKALUMMIDAE Grandjean, 1936*b* ..... **Palaeogene – Recent**

***Neoribates* Berlese, 1914** ..... **Palaeogene – Recent**

246.*Neoribates borussicus* Sellnick, 1931 ..... Pa Baltic amber

SCHELORIBATIDAE Grandjean, 1933 ..... **Palaeogene – Recent**

***Liebstadia* Oudemans, 1906** ..... **Palaeogene – Recent**

247.*Liebstadia similiformis* Sellnick, 1931 ..... Pa Baltic amber

248.*Liebstadia similis* (Michael, 1888)* **[Recent]** ..... Qt Europe / Greenland

***Scheloribates* Berlese, 1908** ..... **Palaeogene – Recent**

249.*Scheloribates apterus* Sellnick, 1931 ..... Pa Baltic amber

250.*Scheloribates areatus* Sellnick, 1931 ..... Pa Baltic amber

251.*Scheloribates durhami* (Woolley, 1971) ..... Ne Chiapas amber

252.*Scheloribates initialis* (Berlese, 1908) **[Recent]** ..... Qt Europe

253.*Scheloribates laevigatus* (C. L. Koch, 1835) **[Recent]** ..... Qt northern Europe

254.*Scheloribates latipes* (C. L. Koch, 1844) **[Recent]** ..... Qt Europe

255.*Scheloribates pallidulus* (C. L. Koch, 1841) **[Recent]** ..... Qt Germany

256.*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**

257.*Ceratozetes gracilis* (Michael, 1884)* **[Recent]** ..... Qt Finland

258.*Ceratozetes minimus* Sellnick, 1928 **[Recent]** ..... Qt Germany

259.*Ceratozetes parvulus* Sellnick, 1922 **[Recent]** ..... Qt Germany

Diapterobates* Grandjean, 1936*b ..... **Quaternary – Recent**

260.*Diapterobates notatus* (Thorell, 1871) **[Recent]** ..... Qt Europe / Greenland

***Edwardzetes* Berlese, 1914** ..... **Quaternary – Recent**

261.*Edwardzetes edwardsi* (Nicolet, 1855)* **[Recent]** ..... Qt western Norway

***Fuscozetes* Sellnick, 1928** ..... **Quaternary – Recent**

262.*Fuscozetes fuscipes* (C. L. Koch, 1844)* **[Recent]** ..... Qt western Norway

***Melanozetes* Hull, 1916** ..... **Paleogene – Recent**

263.*Melanozetes foderatus* Sellnick, 1931 ..... Pa Baltic amber

264.*Melanozetes mollicomnus* **[Recent]** *fossilis* Sellnick, 1931 ..... Pa Baltic amber

265.*Melanozetes meridianus* Sellnick, 1928 **[Recent]** ..... Qt Greenland

Melanozetes sp. *in* Karppinen *et al*. (1979) ..... Qt Karelia, Russia

***Oromucia* Thor, 1930** ..... **Quaternary – Recent**

266.*Oromucia bicuspidata* Thor, 1930* **[Recent]** ..... Qt western Norway

267.*Oromucia lucens* (C. L. Koch, date?) **[Recent]** ..... Qt Greenland

***Sphaerozetes* Berlese, 1885** ..... **Paleogene – Recent**

268.*Sphaerozetes convexulus* (C. L. Koch & Berendt, 1854) ..... Pa Baltic amber

269.*Sphaerozetes pirifomis* (Nicolet, 1855) **[Recent]** ..... Qt Finland

270.*Sphaerozetes primus* Sellnick, 1931 ..... Pa Baltic amber

***Trichoribates* Berlese, 1910** ..... **Quaternary – Recent**

271.*Trichoribates biarea* Gjelstrup & Solhøy, 1994 **[Recent]** ..... Qt western Norway

272.*Trichoribates incisellus* (Kramer, 1897) **[Recent]** ..... Qt Europe

273.*Trichoribates monticola* (Trägardh, 1902) **[Recent]** ..... Qt western Norway

274.*Trichoribates setiger* (Trägardh, 1910) **[Recent]** ..... Qt western Norway

275.*Trichoribates trimaculatus* (C. L. Koch, 1835)* **[Recent]** ..... Qt northern Europe

CHAMOBATIDAE Thor, 1937 ..... **Paleogene – Recent**

***Chamobates* Hull, 1916** ..... **Paleogene – Recent**

276.*Chamobates borealis* (Trägardh, 1902) **[Recent]** ..... Qt western Norway

277.*Chamobates cuspidatus* (Michael, 1884) **[Recent]** ..... Qt Finland

278.*Chamobates difficilis* Sellnick, 1931 ..... Pa Baltic amber

EUZETIDAE Grandjean, 1954*b* ..... **Quaternary – Recent**

***Euzetes* Berlese, 1908** ..... **Quaternary – Recent**

279.*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**

280.*Mycobates consimilis* Hammer, 1952 **[Recent]** ..... Qt Greenland

281.*Mycobates parmeliae* (Michael, 1884) **[Recent]** ..... Qt Karelia, Russia

282.*Mycobates sarekenis* (Trägårdh, 1910) **[Recent]** ..... Qt western Norway

***Punctoribates* Berlese, 1908** ..... **Quaternary – Recent**

283.*Punctoribates punctum* (C. L. Koch, 1839) **[Recent]** ..... Qt Karelia, Russia

284.*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**

285.*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**

286.*Acrogalumna longipluma* (Berlese, 1904)* **[Recent]** ..... Qt Karelia, Russia

***Galumna* von Heyden, 1826** ..... **Palaeogene – Recent**

287.*Galumna clavata* Sellnick, 1931 ..... Pa Baltic amber

288.*Galumna diversa* Sellnick, 1931 ..... Pa Baltic amber

289.*Galumna lanceata* (Oudemanns, 1900) **[Recent]** ..... Qt Karelia, Russia

290.*Galumna obvia* (Berlese, 1915) **[Recent]** ..... Qt Finland

Galumna sp. *in* Karppinen & Koponen (1974) ..... Qt Finland

Pergalumna* Grandjean, 1936*b ..... **Quaternary – Recent**

291.*Pergalumna dorsalis* (C. L. Koch, 1835) **[Recent]** ..... Qt Finland

292.*Pergalumna nervosa* (Berlese, 1914)* **[Recent]** ..... Qt northern Europe

Pilogalumna* Grandjean, 1956*b ..... **Quaternary – Recent**

293.*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**

294.*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**

295.*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**

296. *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

16 currently valid species of fossil ricinuleid

RICINULEI Thorell, 1876*c* ..... **Carbon. – Recent**

= RHINOGASTRA Cook, 1899

= PODOGONA Cook, 1899

† **PALAEORICINULEI Selden, 1992 (suborder)** ..... **Carboniferous – ?Cret.**

NB: Wunderlich (2012*e*) treated the two suborders as superfamilies.

Ricinulei indet. *in* Wunderlich (2012*e*) ..... K Myanmar amber

† **CURCULIOIDIDAE Cockerell, 1916** ..... **Carboniferous**

† ***Amarixys*** **Selden, 1992** ..... **Carboniferous**

1. *Amarixys gracilis* (Petrunkevitch, 1945*a*) ..... C Mazon Creek
2. *Amarixys stellaris* Selden, 1992 ..... C Mazon Creek
3. *Amarixys sulcata* (Melander, 1903)* ..... C Mazon Creek

† ***Curculioides*** **Buckland, 1837** ..... **Carboniferous**

4. *Curculioides adompha* Brauckmann, 1987 ..... C Hagen-Vorhalle
5. *Curculioides ansticii* Buckland, 1837* ..... C Coalbrookdale
6. *Curculioides eltringhami* Petrunkevitch, 1949 ..... C Crawcrook
7. *Curculioides gigas* Selden, 1992 ..... C Mazon Creek
8. *Curculioides granulatus* Petrunkevitch, 1949 ..... C Ilkeston
9. *Curculioides mcluckiei* Selden, 1992 ..... C Mazon Creek
10. *Curculioides pococki* Selden, 1992 ..... C Coseley
11. *Curculioides scaber* (Scudder, 1890*b*) ..... C Mazon Creek

† **POLIOCHERIDAE Scudder, 1884** ..... **Carboniferous – ?Cret.**

† ***Poliochera*** **Scudder, 1884** ..... **Carboniferous – ?Cret.**

12. ?*Poliochera cretacea* Wunderlich, 2012*e* ..... K Myanmar amber
13. *Poliochera gibbsi* Selden, 1992 ..... C Illinois
14. *Poliochera glabra* Petrunkevitch, 1913 ..... C Mazon Creek
15. *Poliochera punctulata* Scudder, 1884* ..... C Mazon Creek

† ***Terpsicroton*** **Selden, 1992** ..... **Carboniferous**

16. *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

55 Recent species according to Harvey (2003)

ARACHNIDA and/or PANTETRAPULMONATA *incertae sedis*

3 currently valid, unplaced fossil arachnid and/or tetrapulmonate species

- all three species below have been suggested as possible members of the so-called pantetrapulmonate arachnids; i.e. spiders and their closest relatives

† ***Ecchosis*** **Selden & Shear, 1991** ..... **Devonian**

1. *Ecchosis pulchribothrium* Selden & Shear *in* Selden *et al*. 1991* ..... D Gilboa

† ***Saccogulus*** **Dunlop, Fayers, Hass & Kerp, 2006** ..... **Devonian**

2. *Saccogulus seldeni* Dunlop, Fayers, Hass & Kerp, 2006* ..... D Rhynie chert

† ***Xenarachne*** **Dunlop & Poschmann, 1997** ..... **Devonian**

3. *Xenarachne wilwerathensis* Dunlop & Poschmann, 1997* ..... D Willwerath

no Recent species

TRIGONOTARBIDA

67 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

† ***Namurotarbus*** **Poschmann & Dunlop, 2010** ..... **Carboniferous**

41. *Namurotarbus roessleri* (Dunlop & Brauckmann, 2006)* ..... C Hagen-Vorhalle

† ***Tynecotarbus*** **Hradská & Dunlop, 2013** ..... **Carboniferous**

42. *Tynecotarbus tichaveki* Hradská & Dunlop, 2013 ..... C Týnec

† ***Permotarbus*** **Dunlop & Rößler, 2013** ..... **Permian**

43. *Permotarbus schuberti* Dunlop & Rößler, 2013 ..... P Chemnitz

† **LISSOMARTIDAE Dunlop, 1995** ..... **Carboniferous**

† ***Lissomartus*** **Petrunkevitch, 1949** ..... **Carboniferous**

44. *Lissomartus carbonarius* (Petrunkevitch, 1913) ..... C Mazon Creek

45. *Lissomartus schucherti* (Petrunkevitch, 1913)* ..... C Mazon Creek

† **APHANTOMARTIDAE Petrunkevitch, 1945*a*** ..... **Devonian – Permian**

= † TRIGONOMARTIDAE Petrunkevitch, 1949

† ***Alkenia*** **Størmer, 1970** ..... **Devonian**

46. *Alkenia mirabilis* Størmer, 1970* ..... D Alken an der Mosel

† ***Aphantomartus*** **Pocock, 1911** ..... **Carbon. – Permian**

= † *Trigonomartus* Petrunkevitch, 1913

= † *Phrynomartus* Petrunkevitch, 1945*a*

47. *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
48. *Aphantomartus ilfeldicus* (Scharf, 1924) ..... P Rotliegend
49. *Aphantomartus pustulatus* (Scudder, 1884) ..... C Coal Measures
    vi. = ?*Kreischeria villeti* Pruvost, 1912 ..... C Pas de Calais
    vii. = *Cleptomartus plötzensis* Simon, 1971 ..... C Halleschen Mulde

† **KREISCHERIIDAE Haase, 1890** ..... **Carboniferous**

† ***Anzinia* Petrunkevitch, 1953** ..... **Carboniferous**

50. *Anzinia thevenini* (Pruvost, 1919)* ..... C Anzin

† ***Gondwanarache* Pinto & Hünicken, 1980** ..... **Carboniferous**

51. *Gondwanarache argentinensis* Pinto & Hünicken, 1980* ..... C Bajo de Véliz

† ***Hemikreischeria* Frič, 1904** ..... **Carboniferous**

52. *Hemikreischeria geinitzi* (Thevenin, 1902)* ..... C France

† ***Kreischeria* Geinitz, 1882** ..... **Carboniferous**

53. *Kreischeria wiedei* Geinitz, 1882* ..... C Zwickau

† ***Pseudokreischeria* Petrunkevitch, 1953** ..... **Carboniferous**

54. *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**

55. *Eophrynus prestvicii* (Buckland, 1837)* ..... C Coalbrookdale
56. *Eophrynus udus* Brauckmann, Koch & Kemper, 1985 ..... C Hagen-Vorhalle

† ***Nyranytarbus* Harvey & Selden, 1995** ..... **Carboniferous**

= † *Hemiphrynus* Frič, 1901 [preoccupied]

57. *Nyranytarbus hofmanni* (Frič, 1901) ..... C Nýřany
58. *Nyranytarbus longipes* (Frič, 1901)* ..... C Nýřany

† ***Petrovicia* Frič, 1904** ..... **Carboniferous**

59. *Petrovicia proditoria* Frič, 1904* ..... C Petrovice

† ***Planomartus* Petrunkevitch, 1953** ..... **Carboniferous**

60. *Planomartus krejcii* (Kušta, 1883)* ..... C Rakovník
    i. = *Anthracomartus affinis* Kušta, 1885 ..... C Rakovník

† ***Pleophrynus* Petrunkevitch, 1945*a*** ..... **Carboniferous**

61. *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

† ***Pocononia* Petrunkevitch, 1953** ..... **Carboniferous**

62. *Pocononia whitei* (Ewing, 1930)* ..... C Pocono Shales

† ***Somaspidion* Jux, 1982** ..... **Carboniferous**

63. *Somaspidion hammapheron* Jux, 1982* ..... C Dinslaken

† ***Stenotrogulus* Frič, 1904** ..... **Carboniferous**

= † *Cyclotrogulus* Frič, 1904

= † *Pseudoeophrynus* Příbyl, 1958

64. *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**

65. *Anthracophrynus tuberculatus* Andrée, 1913* ..... C Dudweiler

† ***Areomartus* Petrunkevitch, 1913** ..... **Carboniferous**

66. *Areomartus ovatus* Petrunkevitch, 1913* ..... C West Virginia

† ***'Eophrynus'***

67. '*Eophrynus*' *scharfi* Scharf, 1924 ..... P Rotliegend

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
6. *Trigonomartus woodruffi* (Scudder, 1893) ..... C Rhode Island

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.

† **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

1,190 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

† ***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

plesion genus

† ***Palaeothele* Selden, 2000** ..... **Carboniferous**

= † *Eothele* Selden, 1996 [preoccupied]

16. *Palaeothele montceauensis* (Selden, 1996)* ..... C Montceau-les-Mines

LIPHISTIIDAE Pocock, 1892 ..... **Recent**

= HEPTATHELIDAE Haupt, 1983

no fossil record

OPISTHOTHELAE Pocock, 1892 ..... Triassic – Recent

Opisthothelae *incertae sedis*

† ***Eoatypus* McCook, 1888** ..... **Palaeogene**

17. *Eoatypus woodwardii* McCook, 1888* ..... Pa Isle of Wight

MYGALOMORPHAE Pocock, 1892 ..... Triassic – Recent

Mygalomorpha indet. 1–3 *in* Wunderlich (2008*d*) ..... K Myanmar amber

ATYPOIDEA Thorell, 1870*a* ..... **Triassic – Recent**

† ***Friularachne* Dalla Vecchia & Selden, 2013** ..... **Triassic**

18. *Friularachne rigoi* Dalla Vecchia & Selden, 2013* ..... Tr Friurli, Italy

ATYPIDAE Thorell, 1870*a* ..... **Cretaceous – Recent**

= CALOMMATOIDAE Thorell, 1887

† ***Ambiortiphagus* Eskov & Zonstein, 1990** ..... **Cretaceous**

19. *Ambiortiphagus ponomarenkoi* Eskov & Zonstein, 1990* ..... K Central Mongolia

† ***Balticatypus* Wunderlich, 2011*h*** ..... **Palaeogene**

20. *Balticatypus beigeli* Wunderlich, 2011*h* ..... Pa Baltic amber

21. *Balticatypus juvenis* Wunderlich, 2011*h** ..... Pa Baltic amber

22. *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**

23. *Cretacattyma raveni* Eskov & Zonstein, 1990* ..... K Central Mongolia

MECICOBOTHRIIDAE Holmberg, 1882 ..... **Cretaceous – Recent**

= HEXURIDAE Simon, 1889*b*

† ***Cretohexura*** **Eskov & Zonstein, 1990** ..... **Cretaceous**

24. *Cretohexura coylei* Eskov & Zonstein, 1990* ..... K Transbaikalia

† ***Cretomegahexura*** **Eskov & Zonstein, 1990** ..... **Cretaceous**

25. *Cretomegahexura platnicki* Eskov & Zonstein, 1990* ..... K Central Mongolia

HEXATHELIDAE Simon, 1892*b* ..... **Triassic – Recent**

† ***Rosamygale*** **Selden & Gall, 1992** ..... **Triassic**

26. *Rosamygale grauvogeli* Selden & Gall, 1992* ..... Tr Vosges, France

DIPLURIDAE Simon, 1889*b* ..... **Cretaceous – Recent**

† ***Clostes*** **Menge, 1869** ..... **Palaeogene**

27. *Clostes priscus* Menge, 1869* ..... Pa Baltic / Bitt. amber

† ***Cretadiplura*** **Selden *in* Selden *et al*., 2006** ..... **Cretaceous**

28. *Cretadiplura ceara* Selden *in* Selden *et al*., 2006* ..... K Crato Formation

† ***Dinodiplura*** **Selden *in* Selden *et al*., 2006** ..... **Cretaceous**

29. *Dinodiplura ambulacra* Selden *in* Selden *et al*., 2006* ..... K Crato Formation

Ischnothele **Ausserer, 1875** ..... **?Neogene – Recent**

?*Ischnothele* sp. *in* Wunderlich (1988) ..... Ne Dominican amber

Masteria **L. Koch, 1873** ..... **Neogene – Recent**

= † *Microsteria* Wunderlich, 1988

30. *Masteria sexoculata* (Wunderlich, 1988) ..... Ne Dominican amber

?Masteria sp. *in* Schawaller (1982*c*: as ?*Ischnothele*) ..... Ne Dominican amber

genus uncertain

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 Myanmar amber

CYRTAUCHENIIDAE Simon, 1892*b* ..... **Neogene – Recent**

Bolostromus **Ausserer, 1875** ..... **Neogene – Recent**

31. *Bolostromus destructus* Wunderlich, 1988 ..... Ne Dominican amber

CTENIZIDAE Thorell, 1887 ..... **Palaeogene – Recent**

= HALONOPROCTIDAE Pocock, 1903

† ***Baltocteniza*** **Eskov & Zonstein, 2000** ..... **Palaeogene**

32. *Baltocteniza kulickae* Eskov & Zonstein, 2000 ..... Pa Baltic amber

† ***Electrocteniza*** **Eskov & Zonstein, 2000** ..... **Palaeogene**

33. *Electrocteniza sadilenkoi* Eskov & Zonstein, 2000 ..... Pa Baltic amber

Ummidia **Thorell, 1875** ..... **Palaeogene – Recent**

34. *Ummidia damzeni* Wunderlich, 2000 ..... Pa Baltic amber

35. *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**

36. *Cretamygale chasei* Selden, 2002* …… K Isle of Wight

† ***Eodiplurina* Petrunkevitch, 1922** …… **Palaeogene**

[NB: Selden (2001) questioned this familial placement based on claw structure]

37. *Eodiplurina cockerelli* Petrunkevitch, 1922* …… Pa Florissant

MICROSTIGMATIDAE Roewer, 1942 …… **Neogene – Recent**

= MICROMYGALIDAE Wunderlich, 2004*b*

† ***Parvomygale* Wunderlich, 2004*b*** …… **Neogene**

38. *Parvomygale distincta* Wunderlich, 2004*b** …… Ne Dominican amber

BARYCHELIDAE Simon, 1889*b* …… **Neogene – Recent**

Psalistops* Simon, 1889*b …… **Neogene – Recent**

39. *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**

40. *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**

41. *Argyrarachne solitus* Selden *in* Selden *et al*., 1999* ..... Tr Virginia

† ***Triassaraneus*** **Selden *in* Selden *et al*., 1999** ..... **Triassic**

42. *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**

43. *Misionella didicostae* Penney, 2005*a* ..... Ne Dominican amber

SICARIIDAE Keyserling, 1880*a* ..... **Neogene – Recent**

= LOXOSCELIDAE Simon, 1893

Loxosceles **Heineken & Lowe, 1832** ..... **Neogene – Recent**

44. *Loxosceles aculicaput* Wunderlich, 2004*c* ..... Ne Dominican amber

45. *Loxosceles defecta* Wunderlich, 1988 ..... Ne Dominican amber

46. *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**

47. ?*Scytodes hani* Wunderlich, 2012*d* ..... K Jordanian amber

48. *Scytodes marginalis* Wunderlich, 2004*as* ..... Qt Madagascan copal

49. *Scytodes piliformis* Wunderlich, 1988 ..... Ne Dominican amber

50. *Scytodes planithorax* Wunderlich, 1988 ..... Ne Dominican amber

51. *Scytodes stridulans* Wunderlich, 1988 ..... Ne Dominican amber

52. *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 Myanmar amber
† ***Palaeohygropoda* Penney, 2004*c*** ..... **Cretaceous**
53. *Palaeohygropoda myanmarensis* Penney, 2004*c** ..... K Myanmar amber
† ***Praeterleptoneta* Wunderlich, 2008*d*** ..... **Cretaceous**
54. *Praeterleptoneta spinipes* Wunderlich, 2008*d** ..... K Myanmar amber
55. *Praeterleptoneta tibialis* Wunderlich, 2011*i* ..... K Myanmar amber

† **PHOLCOCHYROCERIDAE Wunderlich, 2008*d* (n. stat. 2012*d*)** ..... **Cretaceous**
† ***Pholcochyrocer* Wunderlich, 2008*d*** ..... **Cretaceous**
56. *?Pholcochyrocer baculum* Wunderlich, 2012*d* ..... K Myanmar amber
57. *Pholcochyrocer guttulaequae* Wunderlich, 2008*d** ..... K Myanmar amber
58. *Pholcochyrocer pecten* Wunderlich, 2012*d* ..... K Myanmar amber

LEPTONETIDAE Simon, 1890 ..... **Cretaceous – Recent**
† ***Eoleptoneta* Wunderlich, 1991** ..... **Palaeogene**
59. *Eoleptoneta curvata* Wunderlich, 2004*c* ..... Pa Bitterfeld amber
60. *Eoleptoneta duocalcar* Wunderlich, 2004*c* ..... Pa Baltic amber
61. *Eoleptoneta kutscheri* Wunderlich, 1991* ..... Pa Bitterfeld amber
62. *Eoleptoneta multispinae* Wunderlich, 2011*h* ..... Pa Baltic amber
63. *Eoleptoneta pseudoarticulata* Wunderlich, 2011*h* ..... Pa Baltic amber
64. *Eoleptoneta similis* Wunderlich, 2004*c* ..... Pa Baltic amber
† ***Oligoleptoneta* Wunderlich 2004*c*** ..... **Palaeogene**
65. *Oligoleptoneta altoculus* Wunderlich 2004*c** ..... Pa Baltic amber
66. *Oligoleptoneta cymbiospina* Wunderlich, 2011*h* ..... Pa Baltic amber
† ***Palaeoleptoneta* Wunderlich 2012*d*** ..... **Cretaceous**
67. *Paleoleptoneta calcar* Wunderlich, 2012*d** ..... K Myanmar amber

TELEMIDAE Fage, 1913 ..... **Palaeogene – Recent**
***Telema* Simon, 1882** ..... **Palaeogene – Recent**
68. ?*Telema moritzi* Wunderlich, 2004*c* ..... Pa Baltic / Bitt. amber

OCHYROCERATIDAE Fage, 1912 *s. l.* [incl. PSILODERCINAE] ..... **Cretaceous – Recent**

= † EOPSILODERCIDAE Wunderlich, 2008*d*

[NB: Wunderlich (2012*d*) recognised this as a junior synonym of a family Psilodercidae; Platnick does not recognise this family]

?Eopsilodercidae indet. 1–3 *in* Wunderlich (2008*d*) ..... K Myanmar amber

† ***Arachnolithulus* Wunderlich, 1988** ..... **Neogene**

69. *Arachnolithulus longipes* Wunderlich, 2004*c* ..... Ne Dominican amber
70. *Arachnolithulus pygmaeus* Wunderlich, 1988* ..... Ne Dominican amber

?*Arachnolithulus* sp. *in* Wunderlich (1988) ..... Ne Dominican amber

† ***Eopsiloderces* Wunderlich, 2008*d*** ..... **Cretaceous**

71. *Eopsiloderces loxosceloides* Wunderlich, 2008*d* ..... K Myanmar amber

† ***Furcembolus* Wunderlich, 2008*d*** ..... **Cretaceous**

72. *Furembolus andersoni* Wunderlich, 2008*d* ..... K Myanmar amber

***Leclercera* Deeleman-Reinhold, 1995** ..... **Cretaceous – Recent**

73. *Leclercera longissipes* Wunderlich, 2012*d* ..... K Myanmar amber
74. *Leclercera spicula* Wunderlich, 2012*d* ..... K Myanmar amber

***Psiloderces* Simon, 1892** ..... **?Cretaceous – Recent**

75. ?*Psiloderces filiformis* Wunderlich, 2012*d* ..... K Myanmar 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**

76. ?*Coryssocnemis velteni* Wunderlich, 2004*c* ..... Ne Dominican amber

***Leptopholcus* Simon, 1893** ..... **Neogene**

77. *Leptopholcus kiskeya* Huber & Wunderlich, 2006 ..... Ne Dominican amber

***Modisimus* Simon, 1893** ..... **Neogene – Recent**

78. *Modisimus calcar* Wunderlich, 1988 ..... Ne Dominican amber
79. *Modisimus calcaroides* Wunderlich, 1988 ..... Ne Dominican amber
80. *Modisimus crassifemoralis* Wunderlich, 1988 ..... Ne Dominican amber
81. *Modisimus oculatus* Wunderlich, 1988 ..... Ne Dominican amber
82. *Modisimus tuberosus* Wunderlich, 1988 ..... Ne Dominican amber

Modisimus sp. *in* Wunderlich (1988) ..... Ne Dominican amber

† ***Paraspermophora* Wunderlich, 2004c** ..... **Palaeogene**

83. *Paraspermophora bitterfeldensis* Wunderlich, 2004*c* ..... Pa Bitterfeld amber
84. *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**

85. *Pholcophora brevipes* Wunderlich, 1988 ..... Ne Dominican amber
86. *Pholcophora gracilis* Wunderlich, 1988 ..... Ne Dominican amber
87. *Pholcophora longicornis* Wunderlich, 1988 ..... Ne Dominican amber

Quamtana **Huber, 2003** ..... **Palaeogene – Recent**

88. *Quamtana huberi* Penney, 2007*a* ..... Pa Le Quesnoy amber

† ***Serratochorus*** **Wunderlich, 1988** ..... **Neogene**

89. *Serratochorus pygmaeus* Wunderlich, 1988* ..... Ne Dominican amber

PLECTREURIDAE Simon, 1893 ..... **Jurassic – Recent**

† ***Eoplectreurys*** **Selden & Huang, 2010** ..... **Jurassic**

90. *Eoplectreurys gertschi* Selden & Huang, 2010* ..... J Daohugou

† ***Montsecarachne*** **Selden, 2014*a*** ..... **Cretaceous**

91. *Montsecarachne amicorum* Selden, 2014*a** ..... K El Montsec

† ***Palaeoplectreurys*** **Wunderlich, 2004c** ..... **Palaeogene**

92. *Palaeoplectreurys baltica* Wunderlich, 2004*c** ..... Pa Baltic amber

Plectreurys **Simon, 1893** ..... **Neogene – Recent**

93. *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**

94. *Nops lobatus* Wunderlich, 1988 ..... Ne Dominican amber

i. = *Nops segmentatus* Wunderlich, 1988 ..... Ne Dominican amber

Nops sp. *in* 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 Myanmar amber

† ***Balticoblemma*** **Wunderlich, 2004*c*** ..... **Palaeogene**

95. *Balticoblemma unicorniculum* Wunderlich, 2004*c** ..... Pa Baltic amber

† ***Eogamasomorpha*** **Wunderlich, 2008*d*** ..... **Cretaceous**

96. *Eogamasomorpha nubila* Wunderlich, 2008*d** ..... K Myanmar amber

† ***Eoscaphiella*** **Wunderlich, 2011*i*** ..... **Cretaceous**

97. *Eoscaphiella ohlhoffi* Wunderlich, 2011*i** ..... K Myanmar amber

Monoblemma **Gertsch, 1941** ..... **Neogene**

98. ?*Monoblemma spinosum* Wunderlich, 1988* ..... Ne Dominican amber

† ***Saetosoma*** **Wunderlich, 2012*d*** ..... **Cretaceous**

99. *Saetosoma filiembolus* Wunderlich, 2012*d** ..... K Myanmar 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 Myanmar amber

SEGESTRIIDAE Simon, 1893 ..... **Cretaceous – Recent**

?Segestriidae indet *in* Wunderlich (2008*d*) ..... K Myanmar amber

***Ariadna* Audouin, 1826** ..... **Cretaceous – Recent**

100. ?*Ariadna amissiocoli* Wunderlich, 2008*d* ..... K Jordanian amber

101. *Ariadna copalis* Wunderlich, 2008*a* ..... Qt ?Madagascan copal

102. *Ariadna defuncta* Wunderlich 2004*c* ..... Pa Bitterfeld amber

103. *Ariadna hintzei* Wunderlich, 2004*as* ..... Qt Madagascan copal

104. *Ariadna ovalis* Wunderlich, 2008*a* ..... Pa Baltic amber

105. *Ariadna parva* Wunderlich, 2008*a* ..... Pa Baltic amber

106. *Ariadna paucispinosa* Wunderlich, 1988 ..... Ne Dominican amber

107. *Ariadna resinae* Hickman, 1957 ..... Ne? Australian copal

?*Ariadna* sp. *in* Wunderlich (1988) ..... Ne Dominican amber

† ***Lebansegestria* Wunderlich 2008*d*** ..... **Cretaceous**

108. *Lebansegestria azari* Wunderlich, 2008*d** ..... K Lebanese amber

† ***Microsegestria* Wunderlich & Milki, 2004** ..... **Cretaceous**

109. *Microsegestria poinari* Wunderlich & Milki, 2004* ..... K Lebanese amber

† ***Palaeosegestria* Penney, 2004*a*** ..... **Cretaceous**

110. *Palaeosegestria lutzzii* Penney, 2004*a** ..... K New Jersey amber

Segestria* Latreille, 1804*a ..... **Cretaceous – Recent**

111. *Segestria cristata* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

112. *Segestria flexio* Wunderlich, 2004*c* ..... Pa Baltic amber

113. *Segestria mortalis* Wunderlich 2004*c* ..... Pa Baltic amber

114. *Segestria plicata* Petrunkevitch, 1950 ..... Pa Baltic amber

115. *Segestria scudderi* Petrunkevitch, 1922 ..... Pa Florissant

116. *Segestria secessa* Scudder, 1890*a* ..... Pa Florissant

117. *Segestria succinei* Berland, 1939 ..... Pa Baltic amber

118. *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, 2004c** ..... **Palaeogene**

119. *Vetsegestria quinquespinosa* Wunderlich, 2004*c** ..... Pa Baltic / Bitter. amber

DYSDERIDAE C. L. Koch, 1837 ..... **Palaeogene – Recent**

† ***Dasumiana* Wunderlich, 2004*c*** ..... **Palaeogene**

120. *Dasumiana emicans* Wunderlich, 2004*c** ..... Pa Baltic amber

121. ?*Dasumiana subita* (Petrunkevitch, 1958) ..... Pa Baltic amber

122. *Dasumiana valga* Wunderlich, 2004*c* ..... Pa Baltic amber

***Dysdera* Latreille, 1804** ..... **Palaeogene – Recent**

123. *Dysdera dilatata* Zhang, Sun & Zhang, 1994 ..... Ne Shanwang

***Harpactea* Bristowe, 1939** ..... **Palaeogene – Recent**

124. *Harpactea communis* Wunderlich, 2004*c* ..... Pa Baltic amber

125. *Harpactea extincta* Petrunkevitch, 1950 ..... Pa Baltic amber

126. *Harpactea hombergi* (Scopoli, 1763) **[Recent]** ..... Qt England

127. *Harpactea longibulbus* Wunderlich, 2011*h* ..... Pa Baltic amber

128. *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**

129. *Segistriites cromei* Straus, 1967* ..... Ne Willershausen

Dysderidae?

† ***Mistura* Petrunkevitch, 1971** ..... **Neogene**

130. *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**

131. *Burmorchestina pulcher* Wunderlich, 2008*a** ..... K Myanmar amber

† ***Canadaorchestina* Wunderlich, 2008*a*** ..... **Cretaceous**

132. *Canadaorchestina albertenis* (Penney, 2006*a*)* ..... K Manitobian amber

† ***Fossilopaea* Wunderlich, 1988** ..... **Neogene**

133. *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**

134. *Orchestina (Baltorchestina) angulata* Wunderlich, 2012*f* [replacement name] ..... Pa Bitterfeld amber

i. = *Orchestina (B.) rectangulata* Wunderlich, 2011*h* [preoccupied]

135. *Orchestina baltica* Petrunkevitch, 1942 ..... Pa Baltic amber

136. *Orchestina (Baltorchestina) bitterfeldensis* Wunderlich, 2008*a* ..... Pa Bitterfeld amber

137. *Orchestina breviembolus* Wunderlich, 1981 ..... Pa Baltic amber

138. *Orchestina (Baltorchestina) brevis* Wunderlich, 2008*a* ..... Pa Baltic amber

139. *Orchestina crassiembolus* Wunderlich, 1981 ..... Pa Baltic amber

140. *Orchestina (Baltorchestina) crassipatellaris* Wunderlich, 1981 ..... Pa Baltic amber

141. *Orchestina (Baltorchestina) crassitibialis* Wunderlich, 1981 ..... Pa Baltic amber

142. *Orchestina (Baltorchestina) colchembolus* Wunderlich, 1981 ..... Pa Baltic amber

143. *Orchestina colombiensis* Wunderlich, 2004*at* ..... Qt Colombian copal
144. *Orchestina dominicana* Wunderlich, 1981 ..... Ne Dominican amber
145. *Orchestina forceps* Wunderlich, 1981 ..... Pa Baltic amber
146. *Orchestina (Baltorchestina) forfex* Wunderlich, 2011*h* ..... Pa Baltic amber
147. *Orchestina (Baltorchestina) furca* Wunderlich, 1981 ..... Pa Baltic amber
148. *Orchestina fushunensis* Wunderlich, 2004*au* ..... Pa Fu Shun amber
149. *Orchestina gappi* Saupe *et al*., 2012 ..... K Archingeay amber
150. *Orchestina gracilitibialis* Wunderlich, 2004*c* ..... Pa Baltic amber
151. *Orchestina (Baltorchestina) imperialis* Petrunkevitch, 1963 ..... Pa Baltic/Bitter. amber
152. *Orchestina kenyana* Wunderlich, 1981 ..... Qt East African copal
153. *Orchestina longimana* Wunderlich, 1981 ..... Qt East African copal
154. *Orchestina madagascariensis* Wunderlich, 2004*as* ..... Qt Madagascan copal
155. *Orchestina mortua* Petrunkevitch, 1971 ..... Ne Chiapas amber
156. *Orchestina (Baltorchestina) multisetae* Wunderlich, 2008*a* ..... Pa Baltic amber
157. *Orchestina (Gallorchestina) parisiensis* Penney, 2007*b* ..... Pa Le Quesnoy amber
158. *Orchestina (Baltorchestina) perfecta* Wunderlich, 2008*a* ..... Pa Baltic amber
159. *Orchestina pusilla* (Menge *in* C. L. Koch & Berendt, 1854) ..... Pa Baltic amber
160. *Orchestina rabagensis* Saupe *et al.*, 2012 ..... K El Soplao amber
161. *Orchestina (Baltorchestina) rectangulata* Wunderlich, 2008*a* ..... Pa Baltic amber
162. *Orchestina (Baltorchestina) sternalis* Wunderlich, 2008*a* ..... Pa Baltic amber
163. *Orchestina tibialis* Wunderlich, 1988 ..... Ne Dominican amber
164. *Orchestina truncata* Wunderlich, 2004*at* ..... Qt Colombian copal
165. *Orchestina tuberosa* Wunderlich, 1981 ..... Pa Baltic amber

Orchestina sp. *in* Nishikawa (1974) ..... Qt Mizunami copal

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**

166. *Stenoonops incertus* (Wunderlich, 1988) ..... Ne Dominican amber
167. ?*Stenoonops rugosus* Wunderlich, 2004*c* ..... Pa Bitterfeld amber
168. *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 Myanmar amber

?Plumorsolidae indet. *in* Wunderlich (2011*i*) ..... K Myanmar amber

† ***Plumorsolus* Wunderlich, 2008*d*** ..... **Cretaceous**

169. *Plumorsolus gondwanensis* Wunderlich, 2008*d* ..... K Lebanese amber

ENTELEGYNAE Simon, 1893 ..... **Triassic – Recent**

PALPIMANOIDEA Thorell, 1870a ..... **Jurassic – Recent**

family uncertain

† ***Sinaranea*** **Selden, Huang & Ren, 2008** ..... **Jurassic**

170. *Sinaranea metaxyostraca* Selden, Huang & Ren, 2008* ..... J Daohugou, China

ARCHAEIDAE C. L. Koch & Berendt, 1854 ..... **Jurassic – Recent**

Archaea **C. L. Koch & Berendt, 1854** ..... **Palaeogene – Recent**

171. ?*Archaea bitterfeldensis* Wunderlich, 2004*d* ..... Pa Bitterfeld amber

172. *Archaea compacta* Wunderlich, 2004*d* ..... Pa Baltic amber

173. *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

174. *Archaea pougneti* Simon, 1884*b* ..... Pa Baltic amber

† ***Baltarchaea*** **Eskov, 1992** ..... **Palaeogene**

175. *Baltarchaea conica* (C. L. Koch & Berendt, 1854)* ..... Pa Baltic amber

† ***Burmesarchaea*** **Wunderlich, 2008*d*** ..... **Cretaceous**

176. *Burmesarchaea grimaldii* (Penney, 2003*a*) ..... K Myanmar amber

† ***Eoarchaea*** **Forster & Platnick, 1984** ..... **Palaeogene**

177. *Eoarchaea hyperoptica* (Menge *in* C. L. Koch & Berendt, 1854)* ..... Pa Baltic amber

178. *Eoarchaea vidua* Wunderlich, 2004*d* ..... Pa Baltic amber

† ***Eomysmauchenius*** **Wunderlich, 2008*d*** ..... **Cretaceous**

179. *Eomysmauchenius septentrionalis* Wunderlich, 2008*d** ..... K Myanmar amber

Eriauchenius **O. P.-Cambridge, 1881** ..... **Quaternary – Recent**

180. *Eriauchenius gracilicollis* (Millot, 1948) **[Recent]** ..... Qt Copal

i. = *Archaea copalensis* Lourenço, 2000*b* ..... Qt Copal

† ***Filiauchenius*** **Wunderlich, 2008*d*** ..... **Cretaceous**

181. *Filiauchenius paucidentatus* Wunderlich, 2008*d** ..... K Myanmar amber

† ***Jurarchaea*** **Eskov, 1987** ..... **Jurassic**

182. *Jurarchaea zherikhini* Eskov, 1987* ..... J Kazakhstan

† ***Lacunauchenius*** **Wunderlich, 2008*d*** ..... **Cretaceous**

183. *Launauchenius speciosus* Wunderlich, 2008*d** ..... K Myanmar amber

† ***Myrmecarchaea*** **Wunderlich, 2004*d*** ..... **Palaeogene**

184. *Myrmecarchaea petiolus* Wunderlich, 2004*d** ..... Pa Baltic amber

185. *Myrmecarchaea pediculus* Wunderlich, 2004*d* ..... Pa Baltic amber

† ***Patarchaea*** **Selden, Huang & Ren, 2008** ..... **Jurassic**

186. *Patarchaea muralis* Selden, Huang & Ren, 2008* ..... J Daohugou, China

† ***Saxonarchaea*** **Wunderlich, 2004*d*** ..... **Palaeogene**

187. *Saxonarchaea dentata* Wunderlich, 2004*d** ..... Pa Bitterfeld amber

188. *Saxonarchaea diabolica* Wunderlich, 2004*d* ..... Pa Bitterfeld amber

MECYSMAUCHENIIDAE Simon, 1895 ..... **Cretaceous – Recent**

† ***Archaemecys*** **Saupe & Selden, 2009** ..... **Cretaceous**

189. *Archaemecys arcantiensis* Saupe & Selden, 2009 ..... K Charente amber

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**

190. *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 Myanmar amber

191. *Micropalpimanus poinari* Wunderlich, 2008*d* ..... K Myanmar amber

PALPIMANIDAE Thorell, 1870*a* ..... **Neogene – Recent**

= OTITHOPOIDAE Thorell, 1869 [younger name protected by useage]

= CHERSIDAE Canestrini & Pavesi, 1870

Otiothops **MacLeay, 1839** ..... **Neogene – Recent**

Otiothops sp. 1–2 *in* Wunderlich (1988) ..... Ne Dominican amber

† **LAGONOMEGOPIDAE Eskov & Wunderlich, 1995** ..... **Cretaceous**

† ***Archaelagonops*** **Wunderlich, 2012*d*** ..... **Cretaceous**

192. *Archaelagonops salticoides* Wunderlich, 2012*d** ..... K Myanmar amber

† ***Burlagonomegops*** **Penney, 2005*b*** ..... **Cretaceous**

193. *Burlagonomegops alavensis* Penney, 2006*b* ..... K Álava amber

194. *Burlagonomegops eskovi* Penney, 2005*b** ..... K Myanmar amber

† ***Lagonoburmops*** **Wunderlich, 2012*d*** ..... **Cretaceous**

195. *Lagonoburmops plumosus* Wunderlich, 2012*d** ..... K Myanmar amber

† ***Lagonomegops*** **Eskov & Wunderlich, 1995** ..... **Cretaceous**

196. *Lagonomegops americanus* Penney, 2005*b* ..... K New Jersey amber

197. *Lagonomegops sukatchevae* Eskov & Wunderlich, 1995* ..... K Taimyr amber

† ***Myanlagonops*** **Wunderlich, 2012*d*** ..... **Cretaceous**

198. *Myanlagonops gracilipes* Wunderlich, 2012*d** ..... K Myanmar amber

† ***Zarquagonomegops*** **Kaddumi, 2007** ..... **Cretaceous**

199. *Zarquagonomegops wunderlichi* Kaddumi, 2007* ..... K Jordanian amber

† **GRANDOCULIDAE Penney, 2011** ..... **Cretaceous**

NB: The validity of this family has been challenged (cf. Wunderlich 2012*d*).

† ***Grandoculus*** **Penney, 2004*b*** ..... **Cretaceous**

200. *Grandoculus chemahawinensis* Penney, 2004*b** ..... K Manitobian amber

† **SPATIATORIDAE Petrunkevitch, 1942** ..... **Palaeogene**

† ***Spatiator*** **Petrunkevitch, 1942** ..... **Palaeogene**

201. *Spatiator caulis* Wunderlich, 2008*a* ..... Pa Baltic amber

202. *Spatiator martensi* Wunderlich, 2006 ..... Pa Baltic amber

203. *Spatiator praeceps* Petrunkevitch, 1942* ..... Pa Baltic amber

Spatiator sp. *in* Wunderlich (2011*h*) ..... Pa Baltic 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]

204. *Ero carboneana* Petrunkevitch, 1942 ..... Pa Baltic amber

205. *Ero aberrans* Petrunkevitch, 1958 ..... Pa Baltic amber

[Treated as a *nomen dubium* by Harms & Dunlop (2009)]

206. *Ero (Succinero) clunis* Wunderlich, 2012*c* ..... Pa Baltic amber

207. *Ero (Succinero) gracilitibialis* Wunderlich, 2012*c* ..... Pa Baltic amber

208. *Ero (Paleoero) longitarsus* (Wunderlich, 2004*q*) ..... Pa Baltic amber

209. *Ero permunda* Petrunkevitch, 1942 ..... Pa Baltic amber

210. *Ero (Succinero) rovnoensis* (Wunderlich, 2004*ar*) ..... Pa Rovno amber

211. *Ero (Succinero) veta* Wunderlich, 2012*c* ..... Pa Baltic amber

Mimetus **Hentz, 1832** ..... **Palaeogene – Recent**

?*Mimetus* sp. *in* Wunderlich (1988) ..... Ne Dominican amber

212. *Mimetus bituberculatus* Wunderlich, 1988 ..... Ne Dominican amber

213. *Mimetus brevipes* Wunderlich, 2004*q* ..... Pa Baltic amber

[synonymised by Harms & Dunlop (2009), but ressurected by Wunderlich (2012*c*)]

214. ?*Mimetus longipes* Wunderlich, 2004*q* ..... Pa Baltic amber

† ***Protomimetus* Wunderlich, 2011** ..... **Palaeogene**

215. ?*Protomimetus breviclypeus* Wunderlich, 2011*h* ..... Pa Baltic amber

216. *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 Myanmar amber

OECOBIIDAE Blackwall, 1862 ..... **Cretaceous – Recent**

= UROCTEIDAE Thorell, 1869

† ***Lebanoecobius* Wunderlich, 2004e** ..... **Cretaceous**

217. *Lebanoecobius schleei* Wunderlich, 2004*e** ..... K Lebanese amber

† ***Mizalia* C. L. Koch & Berendt, 1854** ..... **Palaeogene**

= † *Paruroctea* Petrunkevitch, 1942

218. *Mizalia blauvelti* (Petrunkevitch, 1942) ..... Pa Baltic amber

219. *Mizalia gemini* Wunderlich, 2004*e* ..... Pa Baltic amber

220. *Mizalia rostrata* C. L. Koch & Berendt, 1854* ..... Pa Baltic amber

i. = *Mizalia pilosula* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

221. *Mizalia spirembolus* Wunderlich, 2004*e* ..... Pa Baltic amber

Mizalia sp. *in* Wunderlich (2011*h*) ..... Pa Baltic/BItter. amber

***Oecobius* Lucas, 1846** ..... **?Cretaceous – Recent**

222. *Oecobius piliformis* Wunderlich, 1988 ..... Ne Dominican amber

?Oecobius sp. indet *in* Penney (2002) ..... K New Jersey amber

***Uroctea* Dufour, 1820** ..... **Palaeogene – Recent**

223. *Uroctea galloprovincialis* Gourret, 1887 ..... Pa Aix-en-Provence

† ***Zamilia* Wunderlich, 2008*d*** ..... **Cretaceous**

224. *Zamilia antecessor* Wunderlich, 2008*d* ..... K Myanmar 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

† ***Burmesiola* Wunderlich, 2011*i*** ..... **Cretaceous**

225. *Burmesiola cretacea* Wunderlich, 2011*i** ..... K Myanmar 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]

226. *"Fictotama" maculosa* Wunderlich, 2011*g* ..... Ne Dominican amber

† ***Gerdia*** **Menge, 1869** ..... **Palaeogene**

227. *Gerdia myura* Menge, 1869* ..... Pa Baltic amber

† ***Gerdiopsis*** **Wunderlich, 2004*e*** ..... **Palaeogene**

228. *Gerdiopsis infrigens* Wunderlich, 2004*e** ..... Pa Baltic amber

† ***Gerdiorum*** **Wunderlich 2004*e*** ..... **Palaeogene**

229. *Gerdiorum inflexum* Wunderlich 2004*e** ..... Pa Baltic amber

Hersilia **Audouin, 1826** ..... **Palaeogene – Recent**

= † *Hersiliopsis* Wunderlich, 2004*e*

230. *Hersilia aquisextana* Gourret, 1887 ..... Pa Aix-en-Provence

231. *Hersilia longipes* Giebel, 1856 ..... Pa Baltic amber

232. *Hersilia madagascarensis* (Wunderlich, 2004*e*) ..... Qt–R Madagas. copal

233. ?*Hersilia miranda* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

† ***Hersiliana*** **Wunderlich, 2004*e*** ..... **Quaternary – Recent**

234. *Hersiliana brevipes* Wunderlich, 2004*e** ..... Qt Madagascan copal

† ***Prototama*** **Petrunkevitch, 1971** ..... **Neogene**

= † *Priscotama* Petrunkevitch, 1971

235. *Prototama antiqua* (Petrunkevitch, 1971) ..... Ne Chiapas amber

236. *Prototama maior* (Wunderlich, 1988) ..... Ne Dominican amber

237. *Prototama media* (Wunderlich, 1988) ..... Ne Dominican amber

238. *Prototama minor* (Wunderlich, 1987) ..... Ne Dominican amber

239. *Prototama succinea* Petrunkevitch, 1971* ..... Ne Chiapas amber

Prototama sp. *in* Wunderlich (1988) ..... Ne Dominican amber

Superfamily uncertain

† **BURMASCUTIDAE Wunderlich, 2008*d*** ..... **Cretaceous**

† ***Burmascutum*** **Wunderlich, 2008*d*** ..... **Cretaceous**

240. *Burmascutum aenigma* Wunderlich, 2008*d** ..... K Myanmar amber

† **SALTICOIDIDAE Wunderlich, 2008*d*** ..... **Cretaceous**

† ***Salticoidus*** **Wunderlich, 2008*d*** ..... **Cretaceous**

241. *Salticoidus kaddumiorum* Wunderlich, 2008*d** ..... K Jordanian amber

'CANOE TAPETUM' CLADE ..... **Triassic – Recent**

ORBICULARIAE Walckenaer, 1802 ..... **Triassic – Recent**

DEINOPOIDEA C. L. Koch, 1851 ..... **?Jurassic – Recent**

DEINOPIDAE C. L. Koch, 1851 ..... **Cretaceous – Recent**

Deinopis **MacLeay, 1839** ..... **Quaternary – Recent**

242. *Deinopis* ?*madagascariensis* Lenz, 1886 **[Recent]** ..... Qt Madagascar copal

Menneus **Simon, 1876*b*** ..... **Palaeogene – Recent**

243. ?*Menneus pietrzeniukae* Wunderlich, 2004*g* ..... Pa Baltic amber

?*Menneus* sp. 1–3 *in* Wunderlich (2004*g*) ..... Pa Baltic amber

† ***Palaeomicromennus*** **Penney, 2003*b*** ..... **Cretaceous**

244. *Palaeomicromenneus lebanensis* Penney, 2003*b** ..... K Lebanese amber

ULOBORIDAE Thorell, 1869 ..... **?Jurassic – Recent**

Uloboridae indet. *in* Wunderlich (2011*f*) ..... Qt Madagascar copal

† ***Talbragaraneus*** **Selden & Beattie, 2013 [tentative assignment]** ..... **Jurassic**

245. *Talbragaraneus jurassicus* Selden & Beattie, 2013* ..... J Talbragar, Australia

† ***Burmuloborus*** **Wunderlich, 2008*d*** ..... **Cretaceous**

246. *Burmuloborus parvus* Wunderlich, 2008*d** ..... K Myanmar amber

† ***Eomiagrammopes*** **Wunderlich, 2004*f*** ..... **Palaeogene**

247. *Eomiagrammopes maior* Wunderlich, 2004*f* ..... Pa Baltic amber

248. *Eomiagrammopes minor* Wunderlich, 2004*f* ..... Pa Baltic amber

249. *Eomiagrammopes semiapertus* Wunderlich, 2011*h* ..... Pa Baltic amber

250. *Eomiagrammopes singularis* Wunderlich, 2004*f** ..... Pa Baltic amber

251. *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

† ***Hyptiomopes*** **Wunderlich, 2004*f*** ..... **Palaeogene**

252. *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

253. *Hyptiotes convexus* Wunderlich, 2004*f* ..... Pa Baltic amber

254. *Hyptiotes glaber* Wunderlich, 2004*f* ..... Pa Baltic amber

255. *Hyptiotes saetosus* Wunderlich, 2004*f* ..... Pa Baltic amber

256. *Hyptiotes stellatus* Wunderlich, 2004*f* ..... Pa Baltic amber

257. *Hyptiotes triqueter* (C. L. Koch & Berendt, 1854) ..... Pa Baltic amber

† ***Jerseyuloborus*** **Wunderlich, 2011*i*** ..... **Cretaceous**

258. *Jerseyuloborus longisoma* Wunderlich, 2011*i** ..... K New Jersey amber

Miagrammopes **O. P.-Cambridge, 1870** ..... **Neogene – Recent**

259. *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

† ***Ocululoborus*** **Wunderlich, 2012*d*** ..... **Cretaceous**

260. *Ocululoborus curvatus* Wunderlich, 2012*d** ..... K Myanmar amber

† ***Opellianus*** **Wunderlich, 2004*f*** ..... **Palaeogene**

261. *Opellianus excellens* Wunderlich, 2004*f** ..... Pa Baltic amber

262. *Opellianus kazimierasi* Wunderlich 2004*f* ..... Pa Baltic amber

263. *Opellianus ludwigi* Wunderlich 2004*f* ..... Pa Baltic amber

† ***Palaeomiagrammopes*** **Wunderlich, 2008*d*** ..... **Cretaceous**

264. *Palaeomiagrammopes vesica* Wunderlich, 2008*d** ..... K Myanmar amber

† ***Palaeouloborus*** **Selden, 1990** ..... **Cretaceous**

265. *Palaeouloborus lacasae* Selden, 1990* ..... K Sierra de Montsech

† ***Paramiagrammopes*** **Wunderlich, 2008*d*** ..... **Cretaceous**

266. *Paramiagrammopes cretaceus* Wunderlich, 2008*d** ..... K Myanmar amber

Paramiagrammopes sp. *in* Wunderlich (2008*d*) ..... K Myanmar amber

† ***Ulobomopes*** **Wunderlich, 2004*f*** ..... **Palaeogene**

267. *Ulobomopes unicus* Wunderlich, 2004*f** ..... Pa Baltic amber

ARANEOIDEA Latreille, 1806 ..... **Jurassic – Recent**

Araneoidea fam indet. *in* Wunderlich (2008*d*) ..... K Myanmar amber

† ***Mesarania*** **Hong, 1984** ..... **Jurassic**

268. *Mesarania hebeiensis* Hong, 1984* ..... J Hebei, China

CYATHOLIPIDAE Simon, 1894 ..... **Palaeogene – Recent**

= TEEMENAARIDAE Davies, 1978

† ***Balticolipus*** **Wunderlich, 2004*m*** ..... **Palaeogene**

269. *Balticolipus kruemmeri* Wunderlich, 2004*m** ..... Pa Baltic / Bitt. amber

† ***Cyathosuccinus*** **Wunderlich, 2004*m*** ..... **Palaeogene**

270. *Cyathosuccinus elongatus* Wunderlich, 2004*m** ..... Pa Baltic amber

† ***Erigolipus*** **Wunderlich, 2004*m*** ..... **Palaeogene**

271. *Erigolipus griswoldi* Wunderlich, 2004*m** ..... Pa Baltic amber

† ***Spinilipus*** **Wunderlich, 1993*b*** ..... **Palaeogene**

272. *Spinilipus bispinosus* Wunderlich, 2004*m* ..... Pa Bitterfeld amber

273. *Spinilipus curvatus* Wunderlich, 2004*m* ..... Pa Bitterfeld amber

274. *Spinilipus glinki* Wunderlich, 2004*m* ..... Pa Baltic amber

275. *Spinilipus kerneggeri* Wunderlich, 1993*b** ..... Pa Baltic amber

276. *Spinilipus longembolus* Wunderlich, 2004*m* ..... Pa Baltic amber

† ***Succinilipus*** **Wunderlich, 1993*b*** ..... **Palaeogene**

277. *Succinilipus abditus* Wunderlich, 2004*m* ..... Pa Baltic / Bitt. amber

278. *Succinilipus aspinosus* Wunderlich, 2004*m* ..... Pa Bitterfeld amber

279. *Succinilipus saxoniensis* Wunderlich, 1993*b* ..... Pa Bitterfeld amber

280. *Succinilipus similis* Wunderlich, 2004*m* ..... Pa Bitterfeld amber

281. *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

282. *Acrometa clava* Wunderlich, 2004*n* ..... Pa Baltic amber

283. *Acrometa cristata* Petrunkevitch, 1942* ..... Pa NE Europe ambers
    i. = *Theridiometa edwardsi* Petrunkevitch, 1942 ..... Pa Baltic amber
    ii. = *Viocurus fossilis* Petrunkevitch, 1958 ..... Pa Baltic amber
284. *Acrometa eichmanni* Wunderlich, 2004*n* ..... Pa Baltic amber
285. *Acrometa incidens* Wunderlich, 2004*n* ..... Pa Baltic amber
286. *Acrometa minutum* (Petrunkevitch, 1942) ..... Pa Baltic amber
287. *Acrometa pala* Wunderlich, 2004*n* ..... Pa Baltic amber
288. *Acrometa robusta* (Petrunkevitch, 1942) ..... Pa Baltic amber
289. *Acrometa pseudorobusta* Dunlop & Jekel, 2009 ..... Pa Baltic amber
    i. = *Acrometa robusta* (Petrunkevitch, 1946) [preoccupied]
290. *Acrometa samlandica* (Petrunkevitch, 1942) ..... Pa Baltic amber
291. *Acrometa setosus* (Petrunkevitch, 1942) ..... Pa Baltic amber
292. *Acrometa succini* Petrunkevitch, 1942 ..... Pa Baltic amber

† ***Anandrus* Menge, 1856** ..... **Palaeogene**
= † *Elucus* Petrunkevitch, 1942

293. *Anandrus inermis* (Petrunkevitch, 1942) ..... Pa Baltic amber
294. *Anandrus infelix* (Petrunkevitch, 1950)* ..... Pa Baltic amber
295. *Anandrus quaesitus* (Petrunkevitch, 1958) ..... Pa Baltic amber
296. *Anandrus redemptus* (Petrunkevitch, 1958) ..... Pa Baltic amber

† ***Chelicerinus* Wunderlich, 2008*a*** ..... **Palaeogene**
297. *Chelicerinus abnormis* Wunderlich, 2008*a* ..... Pa Bitterfeld amber

† ***Cornuanandrus* Wunderlich, 1986** ..... **Palaeogene**
298. *Cornuanandrus bifurcatus* Wunderlich, 2004*n* ..... Pa Bitterfeld amber
299. *Cornuanandrus bitterfeldensis* Wunderlich, 2004*n* ..... Pa Bitterfeld amber
300. *Cornuanandrus corniculans* Wunderlich, 2004*n* ..... Pa Baltic amber
301. *Cornuanandrus maior* Wunderlich, 1986* ..... Pa Baltic amber
302. *Cornuanandrus minor* Wunderlich, 2004*n* ..... Pa Baltic amber

† ***Dubiosynotaxus* Wunderlich, 2004*n*** ..... **Palaeogene**
303. *Dubiosynotaxus perfectus* Wunderlich, 2004*n** ..... Pa Baltic amber

† ***Eosynotaxus* Wunderlich, 2004*n*** ..... **Palaeogene**
304. *Eosynotaxus bispinosus* Wunderlich, 2004*n* ..... Pa Baltic amber
305. *Eosynotaxus bitterfeldensis* Wunderlich, 2004*n* ..... Pa Bitterfeld amber
306. *Eosynotaxus custodens* Wunderlich, 2004*n* ..... Pa Baltic amber
307. *Eosynotaxus fastigatus* Wunderlich, 2004*n* ..... Pa Baltic amber
308. *Eosynotaxus paucispina* Wunderlich, 2004*n* ..... Pa Baltic amber
309. *Eosynotaxus spinipes* Wunderlich, 2004*n* ..... Pa Baltic amber
310. *Eosynotaxus wegneri* Wunderlich, 2004*n** ..... Pa Baltic amber

† ***Gibbersynotaxus* Wunderlich, 2004*n*** ..... **Palaeogene**
311. *Gibbersynotaxus parvus* Wunderlich, 2004*n** ..... Pa Baltic amber

† ***Protophysoglenes* Wunderlich, 2004*n*** ..... **Palaeogene**
312. *Protophysoglenes impressum* Wunderlich, 2004*n** ..... Pa Baltic amber

† ***Pseudoacrometa*** **Wunderlich, 1986** ..... **Palaeogene**

313. *Pseudoacrometa gracilipes* Wunderlich, 1986* ..... Pa Baltic amber

314. *Pseudoacrometa wittmanni* Wunderlich, 2004*n* ..... Pa Baltic amber

† ***Succinitaxus*** **Wunderlich, 2004*n*** ..... **Palaeogene**

315. *Succinitaxus brevis* Wunderlich, 2004*n** ..... Pa Baltic, Bitterfeld & Rovno amber

316. ?*Succinitaxus minutus* Wunderlich, 2004*n* ..... Pa Baltic amber

† ***Sulcosynotaxus*** **Wunderlich, 2004*n*** ..... **Palaeogene**

317. *Sulcosynotaxus cavatus* Wunderlich, 2004*n** ..... Pa Baltic amber

NESTICIDAE Simon, 1894 ..... **Palaeogene – Recent**

† ***Balticonesticus*** **Wunderlich, 1986** ..... **Palaeogene**

318. *Balticonesticus flexuosus* Wunderlich, 1986* ..... Pa Baltic amber

Eidmanella **Roewer, 1935** ..... **Quaternary**

319. *Eidmanella pallida* (Emerton, 1875) **[Recent]** ..... Qt Madagascar copal

† ***Eopopino*** **Petrunkevitch, 1942** ..... **Palaeogene**

320. *Eopopino budrysi* Eskov & Marusik, 1992 ..... Pa Baltic amber

321. *Eopopino inopinatus affinis* Wunderlich, 1986 ..... Pa Baltic amber

322. *Eopopino inopinatus inopinatus* Wunderlich, 1986 ..... Pa Baltic amber

323. *Eopopino longipes* Petrunkevitch, 1942* ..... Pa Baltic amber

324. *Eopopino palanga* Eskov & Marusik, 1992 ..... Pa Baltic amber

325. *Eopopino rarus rarus* Wunderlich, 1986 ..... Pa Baltic amber

326. *Eopopino rarus solitarius* Wunderlich, 1986 ..... Pa Baltic amber

327. *Eopopino rudloffi* Wunderlich, 2004*o* ..... Pa Bitterfeld amber

Eopopino sp. *in* Wunderlich (1986) ..... Pa Bitterfeld amber

† ***Heteronesticus*** **Wunderlich, 1986** ..... **Palaeogene**

328. *Heteronesticus magnoparacymbialis* Wunderlich, 1986* ..... Pa Baltic amber

† ***Hispanonesticus*** **Wunderlich, 1986** ..... **Neogene**

329. *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**

330. *Achaearanea extincta* Wunderlich, 1988 ..... Ne Dominican amber

Achaearanea sp. *in* Wunderlich (1988) ..... Ne Dominican amber

Argyrodes **Simon, 1864** ..... **Neogene – Recent**

331. *Argyrodes (Ariamnes) copalis* Wunderlich, 2008*b* ..... Qt Colombian copal

332. *Argyrodes (Ariamnes) resina* Wunderlich, 2011*f* ..... Qt Madagascar copal

333. *Argyrodes (Rhomphaea) gibbifera* Wunderlich, 2004*as* ..... Qt Madagascar copal
334. *Argyrodes parvipatellaris* Wunderlich, 1988 ..... Ne Dominican amber
Argyrodes sp. *in* Wunderlich (1988) ..... Ne Dominican amber

† ***Balticoridion* Wunderlich, 2008*b*** ..... **Palaeogene**

335. *Balticoridion dubium* Wunderlich, 2008*b** ..... Pa Baltic / Bitt. amber

† ***Balticpholcomma* Wunderlich, 2008*b*** ..... **Palaeogene**

336. *Balticpholcomma scutatum* Wunderlich, 2008*b** ..... Pa Baltic amber

† ***Caudasinus* Wunderlich, 2008*b*** ..... **Palaeogene**

337. *Caudasinus bispinosus* Wunderlich, 2008*b* ..... Pa Baltic amber
338. *Caudasinus caudatus* Wunderlich, 2008*b** ..... Pa Baltic amber
339. *Caudasinus regeneratus* Wunderlich, 2008*b* ..... Pa Baltic amber
Caudasinus sp. *in* Wunderlich (2008*b*) ..... Pa Baltic amber

***Chrosiothes* Simon, 1894** ..... **Neogene – Recent**

340. *Chrosiothes biconigerus* Wunderlich, 1988 ..... Ne Dominican amber
341. *Chrosiothes curvispinosus* Wunderlich, 1988 ..... Ne Dominican amber
342. *Chrosiothes emulgatus* Wunderlich, 1988 ..... Ne Dominican amber
343. *Chrosiothes longispinosus* Wunderlich, 1988 ..... Ne Dominican amber
344. *Chrosiothes monoceros* Wunderlich, 1988 ..... Ne Dominican amber
345. *Chrosiothes tumulus* Wunderlich, 1988 ..... Ne Dominican amber
346. *Chrosiothes unicornis* Wunderlich, 1988 ..... Ne Dominican amber

Chrysso* O. P.-Cambridge, 1882*a ..... **Neogene – Recent**

347. *Chrysso conspicua* Wunderlich, 1988 ..... Ne Dominican amber
348. *Chrysso dubia* Wunderlich, 1988 ..... Ne Dominican amber

† ***Clavibertus* Wunderlich, 2008*b*** ..... **Palaeogene**

349. *Clavibertus parvus* Wunderlich, 2008*b* ..... Pa Baltic amber
350. *Clavibertus prominens* Wunderlich, 2008*b** ..... Pa Baltic amber

† ***Clya* C. L. Koch & Berendt, 1854** ..... **Palaeogene**

351. *Clya abdita* Wunderlich, 2008*b* ..... Pa Baltic amber
352. *Clya lugubris* C. L. Koch & Berendt, 1854* ..... Pa Baltic / Rovno amber
353. *Clya calefacta* Wunderlich, 2008*b* ..... Pa Baltic amber
354. *Clya gracilis* (Petrunkevitch, 1958) ..... Pa Baltic amber
355. *Clya granulata* (C. L. Koch & Berendt, 1854) ..... Pa Baltic amber
356. *Clya obscura* (C. L. Koch & Berendt, 1854) ..... Pa Baltic amber
357. *Clya rotata* Wunderlich, 2008*b* ..... Pa Baltic amber
358. *Clya supercalefacta* Wunderlich, 2008*b* ..... Pa Baltic amber
359. *Clya superspiralis* Wunderlich, 2008*b* ..... Pa Baltic amber
360. *Clya tricurvata* Wunderlich, 2008*b* ..... Pa Baltic amber

† ***Cornutidion* Wunderlich, 1988** ..... **Neogene**

361. *Cornutidion elongatum* Wunderlich, 1988* ..... Ne Dominican amber

***Craspedisia* Simon, 1894** ..... **Neogene – Recent**

362. *Craspedisia yapchoontecki* Penney & Marusik *in* Penney *et al.*

(2012*b*) ..... Ne Dominican amber

† ***Cymbiopholcomma*** **Wunderlich, 2008*b*** ..... **Palaeogene**

363. *Cymbiopholcomma dudum* Wunderlich, 2008*b** ..... Pa Baltic amber

364. *Cymbiopholcomma spiculum* Wunderlich, 2008*b* ..... Pa Baltic amber

† ***Dipoenata*** **Wunderlich, 1988** ..... **Neogene**

365. *Dipoenata altioculata* Wunderlich, 1988 ..... Ne Dominican amber

366. *Dipoenata cala* Wunderlich, 1988 ..... Ne Dominican amber

367. *Dipoenata clypeata* Wunderlich, 1988 ..... Ne Dominican amber

368. *Dipoenata globulus* Wunderlich, 1988 ..... Ne Dominican amber

369. *Dipoenata praedominicana* (Wunderlich, 1986) ..... Qt Dominican copal

370. *Dipoenata stipes* Wunderlich, 1988* ..... Ne Dominican amber

371. *Dipoenata yolandae* Wunderlich, 1988 ..... Ne Dominican amber

Dipoenata sp. *in* Wunderlich (1988) ..... Ne Dominican amber

† ***Eoasagena*** **Wunderlich, 2008*b*** ..... **Palaeogene**

372. *Eoasagena scutata* Wunderlich, 2008*b** ..... Pa Baltic amber

† ***Eolyrifer*** **Wunderlich, 2008*b*** ..... **Palaeogene**

373. *Eolyrifer longitibialis* Wunderlich, 2008*b** ..... Pa Baltic amber

† ***Eomysmena*** **Petrunkevitch, 1942** ..... **Palaeogene – Neogene**

= † *Antopia* Menge, 1854 [tentative synonomy]

= † *Astodipoena* Petrunkevitch, 1958

= † *Eodipoena* Petrunkevitch, 1942

374. *Eomysmena asta* Petrunkevitch, 1971 ..... Ne Chiapas amber

375. *Eomysmena aviceps* Wunderlich, 2008*b* ..... Pa Baltic amber

376. *Eomysmena calefacta* Wunderlich, 2008*b* ..... Pa Baltic amber

377. *Eomysmena crassa* (Petrunkevitch, 1958) ..... Pa Baltic amber

378. *Eomysmena baltica* Petrunkevitch, 1946 ..... Pa Baltic amber

379. '*Eomysmena*' *bassleri* (Petrunkevitch, 1942) ..... Pa Baltic amber

380. ?*Eomysmena kaestneri* (Petrunkevitch, 1958) ..... Pa Baltic amber

381. *Eomysmena militaris* (C. L. Koch & Berendt, 1854) ..... Pa Baltic amber

382. *Eomysmena moritura* Petrunkevitch, 1942* ..... Pa Baltic amber

i. = *Eomysmena consulta* (Petrunkevitch, 1958)

[tentative synonomy] ..... Pa Baltic amber

383. *Eomysmena nielseni* (Petrunkevitch, 1958) ..... Pa Baltic amber

384. *Eomysmena oculata* (Petrunkevitch, 1942) ..... Pa Baltic amber

385. *Eomysmena punctulata* (C. L. Koch & Berendt, 1854) ..... Pa Baltic amber

386. *Eomysmena recta* Wunderlich, 2008*b* ..... Pa Baltic amber

387. *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**

388. *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]

389. *Episinus anapidaeque* Wunderlich, 2008*b* ..... Pa Baltic amber
390. *Episinus antecognatus* Wunderlich, 1986 ..... Qt Dominican copal
391. *Episinus appendix* Wunderlich, 2008*b* ..... Pa Baltic amber
392. *Episinus arrodens* Wunderlich, 2008*b* ..... Pa Baltic amber
393. *Episinus balticus* Marusik & Penney, 2004 ..... Pa Baltic / Bitt. amber
394. *Episinus brevipalpus* Wunderlich, 1988 ..... Ne Dominican amber
395. *Episinus bulla* Wunderlich, 2008*b* ..... Pa Baltic amber
396. *Episinus chiapasanus* (Petrunkevitch, 1971) ..... Ne Chiapas amber
397. *Episinus clunis* Wunderlich, 2008*b* ..... Pa Baltic amber
398. *Episinus cochlear* Wunderlich, 2008*b* ..... Pa Baltic amber
399. *Episinus cornutus* Wunderlich, 1988 ..... Ne Dominican amber
400. *Episinus cymbialis* Wunderlich, 2008*b* ..... Pa Baltic amber
401. *Episinus dimidius* Wunderlich, 2008*b* ..... Pa Baltic amber
402. *Episinus eskovi* Marusik & Penney, 2004 ..... Pa Baltic amber
403. *Episinus isopteraque* Wunderlich, 2008*b* ..... Pa Baltic amber
404. *Episinus latus* Wunderlich, 2008*b* ..... Pa Baltic amber
405. *Episinus longimanus* (C. L. Koch & Berendt, 1854) ..... Pa Baltic amber
    i. = *Malleator niger* Petrunkevitch, 1942 ..... Pa Baltic amber
406. *Episinus longisoma* Wunderlich, 2008*b* ..... Pa Baltic amber
407. *Episinus minutus* (Petrunkevitch, 1958) ..... Pa Baltic amber
408. *Episinus mordellidaeque* Wunderlich, 2008*b* ..... Pa Baltic amber
409. *Episinus musculus* Wunderlich, 2008*b* ..... Pa Baltic amber
410. *Episinus mutilus* (Petrunkevitch, 1958) ..... Pa Baltic amber
411. *Episinus nausticymbium* Wunderlich, 2008*b* ..... Pa Baltic amber
412. *Episinus neglectus* (Petrunkevitch, 1942) ..... Pa Baltic amber
413. *Episinus penneyi* Garcia-Villafuerte, 2006*a* ..... Ne Chiapas amber
414. *Episinus praecognatus* Wunderlich, 1982 ..... Ne Dominican amber
415. *Episinus pulcher* (Petrunkevitch, 1942) ..... Pa Baltic amber
416. *Episinus regalis* (Petrunkevitch, 1958) ..... Pa Baltic amber
417. *Episinus stridulus* (Petrunkevitch, 1958) ..... Pa Baltic amber
418. *Episinus tibiaseta* Wunderlich, 2011*g* ..... Ne Dominican amber
419. *Episinus transversus* Wunderlich, 2008*b* ..... Pa Baltic amber
420. *Episinus tuberosus* Wunderlich, 1988 ..... Ne Dominican amber

Episinus spp. in Wunderlich (2008*b*) ..... Pa Baltic amber

***Euryopis* Menge, 1868** ..... **Palaeogene – Recent**

421. ?*Euryopis araneoides* Wunderlich, 2008*b* ..... Pa Baltic amber
422. *Euryopis bitterfeldensis* Wunderlich, 2008*b* ..... Pa Baltic / Bitt. amber

423. *Euryopis nexus* Wunderlich, 2008*b* ..... Pa Baltic amber
424. *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**

425. *Euryopus gracilipes* Menge *in* C. L. Koch & Berendt, 1854* ..... Pa Baltic amber

Faiditus **Keyserling, 1884** ..... **Neogene – Recent**

426. *Faiditus crassipatellaris* (Wunderlich, 1988) ..... Ne Dominican amber

† ***Femurraptor*** **Wunderlich, 2011*g*** ..... **Neogene**

427. *Femurraptor dominicanus* Wunderlich, 2011*g** ..... Ne Dominican amber

† ***Globulidion*** **Wunderlich, 2008*b*** ..... **Palaeogene**

428. *Globulidion cochlea* Wunderlich, 2008*b** ..... Pa Baltic amber

† ***Hirsutipalpus*** **Wunderlich, 2008*b*** ..... **Palaeogene**

429. *Hirsutipalpus varipes* Wunderlich, 2008*b** ..... Pa Baltic / Bitt. Amber

† ***Kochiuridion*** **Wunderlich, 2008*b*** ..... **Palaeogene**

430. *Kochiuridion scutatum* Wunderlich, 2008*b** ..... Pa Baltic / Bitt. amber

Lasaeola **Simon, 1881** ..... **Palaeogene – Recent**

= † *Nactodipoena* Petrunkevitch, 1942 [a subgenus *in* Wunderlich (2008*b*)]

431. *Lasaeola acumen* Wunderlich, 2008*b* ..... Pa Baltic amber
432. *Lasaeola baltica* (Marusik & Penney, 2004) ..... Pa Baltic amber
433. *Lasaeola bitterfeldensis* Wunderlich, 2008*b* ..... Pa Bitterfeld amber
434. *Lasaeola communis* Wunderlich, 2008*b* ..... Pa Baltic amber
435. *Lasaeola (Nactodipoena) dunbari* (Petrunkevitch, 1942) ..... Pa Baltic amber
436. ?*Lasaeola furca* Wunderlich, 2008*b* ..... Pa Baltic amber
437. *Lasaeola germanica* (Petrunkevitch, 1958) ..... Pa Baltic amber
438. *Lasaeola* (*Phycosoma*) *inclinata* Wunderlich, 2012*a* ..... Qt Madagascan copal
439. *Lasaeola infulata* (C. L. Koch & Berendt, 1854) ..... Pa Baltic / Bitt. Amber
440. *Lasaeola larvaque* Wunderlich, 2008*b* ..... Pa Baltic amber
441. *Lasaeola latisulci* Wunderlich, 2008*b* ..... Pa Baltic amber
442. *Lasaeola pristina* (Wunderlich, 1986) ..... Ne Dominican amber
443. *Lasaeola puta* Wunderlich, 1988 ..... Ne Dominican amber
444. *Lasaeola sexsaetosa* Wunderlich, 2008*b* ..... Pa Baltic amber
445. ?*Lasaeola sigillata* Wunderlich, 2008*b* ..... Pa Bitterfeld amber
446. *Lasaeola vicina* (Wunderlich, 1982) ..... Ne Dominican amber
447. *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**

448. *Medela baltica* Petrunkevitch, 1942* ..... Pa Baltic amber

† ***Mimetidion*** **Wunderlich, 2008*b*** ..... **Palaeogene**

449. *Mimetidion furca* Wunderlich, 2008*b** ..... Pa Baltic amber

† ***Nanomysmena*** **Petrunkevitch, 1958** ..... **Palaeogene**

450. *Nanomysmena aculeata* Petrunkevitch, 1958 ..... Pa Baltic amber
451. *Nanomysmena munita* Petrunkevitch, 1958 ..... Pa Baltic amber
452. *Nanomysmena palanga* Marusik & Penney, 2004 ..... Pa Baltic amber
453. *Nanomysmena petrunkevitchi* Marusik & Penney, 2004 ..... Pa Baltic amber
454. *Nanomysmena pseudogracilis* Marusik & Penney, 2004 ..... Pa Baltic amber

† ***Nanosteatoda* Wunderlich, 2008*b*** ..... **Palaeogene**

455. *Nanosteatoda breviscutum* Wunderlich, 2008*b* ..... Pa Baltic amber
456. *Nanosteatoda trisetae* Wunderlich, 2008*b* ..... Pa Baltic amber

† ***Obscuropholcomma* Wunderlich, 2008*b*** ..... **Palaeogene**

457. *Obscuropholcomma* sp. *in* Wunderlich (2012*b*) ..... Pa Rovno amber
458. *Obscuropholcomma tegens* Wunderlich, 2008*b** ..... Pa Baltic amber

***Phoroncidia* Westwood, 1835** ..... **Quaternary – Recent**

459. *Phoroncidia ?aculeata* Westwood, 1835 **[Recent]** ..... Qt Madagascan copal

***Platnickina* Koçak & Kemal, 2008** ..... **Quaternary – Recent**

460. *Platnickina duosetae* Wunderlich, 2012*a* ..... Qt Madagascan copal

† ***Praetereuryopis* Wunderlich, 2008*b*** ..... **Palaeogene**

461. *Praetereuryopis phoroncidoides* Wunderlich, 2008*b** ..... Pa Baltic amber

† ***Pronepos* Petrunkevitch, 1963** ..... **Neogene**

462. *Pronepos exilis* Petrunkevitch, 1963* ..... Ne Chiapas amber
463. *Pronepos fossilis* Petrunkevitch, 1963 ..... Ne Chiapas amber

† ***Protosteatoda* Wunderlich, 2008*b*** ..... **Palaeogene**

464. *Protosteatoda gutta* Wunderlich, 2008*b* ..... Pa Baltic amber

† ***Pseudoteutana* Wunderlich, 2008*b*** ..... **Palaeogene**

465. *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**

466. *Rugopholcomma patellaris* Wunderlich, 2008*b** ..... Pa Baltic amber

† ***Spinisinus* Wunderlich, 2008*b*** ..... **Palaeogene**

467. *Spinisinus parvioculi* Wunderlich, 2008*b* ..... Pa Baltic amber
468. *Spinisinus splendidus* Wunderlich, 2008*b** ..... Pa Baltic amber

† ***Spinitharinus* Wunderlich, 2008*b*** ..... **Palaeogene**

469. *Spinitharinus bulbosus* Wunderlich, 2008*b** ..... Pa Baltic / Bitt. amber
470. *Spinitharinus cheliceratus* Wunderlich, 2008*b* ..... Pa Baltic / Bitt. amber
471. *Spinitharinus coniectens* Wunderlich, 2008*b* ..... Pa Baltic amber
472. *Spinitharinus curvatus* Wunderlich, 2008*b* ..... Pa Baltic amber
473. *Spinitharinus cymbioseta* Wunderlich, 2008*b* ..... Pa Baltic amber

Spinitharinus spp. *in* Wunderlich (2008*b*) ..... Pa Baltic amber

***Spintharus* Hentz, 1850** ..... **Neogene – Recent**

474. *Spintharus longisoma* Wunderlich, 1988 ..... Ne Dominican amber

***Steatoda* Sundevall, 1833** ..... **?Palaeogene – Recent**

475. '*Steatoda*' *anticus* (Berland, 1939) ..... Pa Baltic amber

***Stemmops* O. P.-Cambridge, 1894** ..... **Neogene – Recent**

476. *Stemmops incertus* Wunderlich, 1988 ..... Ne Dominican amber

477. *Stemmops prominens* Wunderlich, 1988 ..... Ne Dominican amber

***Styposis* Simon, 1894** ..... **Neogene – Recent**

478. *Styposis pholcoides* Wunderlich, 1988 ..... Ne Dominican amber

† ***Succinobertus* Wunderlich, 2008*b*** ..... **Palaeogene**

479. *Succinobertus adjacens* Wunderlich, 2008*b** ..... Pa Baltic / Bitt. Amber

† ***Succinura* Wunderlich, 2008*b*** ..... **Palaeogene**

480. *Succinura aciesaeta* Wunderlich, 2008*b* ..... Pa Baltic amber

481. *Succinura bellavista* Wunderlich, 2008*b** ..... Pa Baltic amber

482. *Succinura circuita* Wunderlich, 2008*b* ..... Pa Baltic amber

483. *Succinura dubia* Wunderlich, 2008*b* ..... Pa Baltic amber

484. *Succinura fuscoruber* Wunderlich, 2008*b* ..... Pa Baltic amber

485. *Succinura ovalis* Wunderlich, 2008*b* ..... Pa Baltic amber

Succinura sp. *in* Wunderlich (2008b) ..... Pa Baltic amber

***Theridion* Walckenaer, 1805** ..... **?Cretaceous – Recent**

486. '*Theridion*' *alutaceum* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

487. *Theridion annulipes* Heer, 1865 ..... Ne Öhningen

488. *Theridion atalus* Chang, 2004 [both generic and familial assignment unreliable!] ..... K Jehol Biota

489. '*Theridion*' *berendti* Marusik & Penney, 2004 ..... Pa Baltic amber

i. = *Theridion globosa* C. L. Koch & Berendt, 1854 [preoccupied]

490. *Theridion bucklandi* Thorell, 1870*a* ..... Pa Aix-en-Provence

491. *Theridion contrarium* Wunderlich, 1988 ..... Ne Dominican amber

492. *Theridion crassipalpum* Berland, 1939 ..... Pa Aix-en-Provence

493. '*Theridion*' *detersum* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

494. *Theridion erectoides* Wunderlich, 1988 ..... Ne Dominican amber

495. *Theridion erectum* Wunderlich, 1988 ..... Ne Dominican amber

496. '*Theridion*' *globosus* (Presl, 1822) ..... Pa Baltic amber

497. *Theridion globulus* Heer, 1865 ..... Ne Öhningen

498. '*Theridion*' *hirtum* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

499. *Theridion inversum* Wunderlich, 1988 ..... Ne Dominican amber

500. *Theridion maculipes* Heer, 1865 ..... Ne Öhningen

501. '*Theridion*' *oblongum* (Presl, 1822) ..... Pa Baltic amber

502. '*Theridion*' *ovale* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

503. '*Theridion*' *ovatum* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

504. '*Theridion*' *simplex* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

505. *Theridion variosoma* Wunderlich, 1988 ..... Ne Dominican amber

506. *Theridion wunderlichi* Penney, 2001 ..... Ne Dominican amber

i. = *Theridion ovale* Wunderlich, 1988 [preoccupied]

† ***Thyelia*** **C. L. Koch & Berendt, 1854** ..... **Palaeogene**

507. *Thyelia anomala* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber
508. *Thyelia convexa* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber
509. *Thyelia fossula* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber
510. *Thyelia marginata* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber
511. *Thyelia pallida* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber
512. *Thyelia scotina* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber
513. *Thyelia tristis* C. L. Koch & Berendt, 1854* ..... Pa Baltic amber
514. *Thyelia villosa* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

Ulesanis **L. Koch, 1872** ..... **Palaeogene – Recent**

515. *Ulesanis antecessor* Wunderlich, 2008*b* ..... Pa Baltic Amber
516. *Ulesanis frontprocera* Wunderlich, 2008*b* ..... Pa Baltic Amber
517. *Ulesanis longicymbium* Wunderlich, 2008*b* ..... Pa Baltic Amber
518. *Ulesanis ovalis* Wunderlich, 2008*b* ..... Pa Baltic / Bitt. amber
519. *Ulesanis parva* Wunderlich, 2008*b* ..... Pa Baltic / Bitt. amber

† ***Unispinatoda*** **Wunderlich, 2008*b*** ..... **Palaeogene**

520. *Unispinatoda aculeata* Wunderlich, 2008*b** ..... Pa Baltic / Bitt. Amber

† ***Vicipholcomma*** **Wunderlich, 2008*b*** ..... **Palaeogene**

521. *Vicipholcomma spiralis* Wunderlich, 2008*b** ..... Pa Baltic Amber

Theridiidae *incertae sedis*

522. '*Eomysmena*' *succini* (Petrunkevitch, 1942) ..... Pa Baltic amber
523. *'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

† ***Eocoddingtonia*** **Selden, 2010** ..... **Cretaceous**

524. *Eocoddingtonia eskovi* Selden, 2010* ..... K Baissa, Transbaikalia

† ***Eoepeirotypus*** **Wunderlich, 2004*j*** ..... **Palaeogene**

525. *Eoepeirotypus retrobulbus* Wunderlich, 2004*j** ..... Pa Baltic amber

Eoepeirotypus sp. *in* Wunderlich (2004) ..... Pa Bitterfeld amber

† ***Eotheridiosoma*** **Wunderlich, 2004*j*** ..... **Palaeogene**

526. ?*Eotheridiosoma hamatum* Wunderlich, 2011*e* ..... Pa Baltic amber
527. *Eotheridiosoma tuber* Wunderlich, 2004*j** ..... Pa Bitterfeld amber
528. *Eotheridiosoma volutum* Wunderlich, 2004*j* ..... Pa Bitterfeld amber

† ***Hypotheridiosoma*** **Wunderlich, 2012*d*** ..... **Cretaceous**

529. *Hypotheridiosoma paracymbium* Wunderlich, 2012*d** ..... K Myanmar amber

† ***Leviunguis*** **Wunderlich, 2012*d*** ..... **Cretaceous**

530. *Leviunguis bruckschi* Wunderlich, 2012*d** ..... K Myanmar amber

† ***Palaeoepeirotypus*** **Wunderlich, 1988** ..... **Neogene**

531. *Palaeoepeirotypus iuvenis* Wunderlich, 1988* ..... Ne Dominican amber

532. *Palaeoepeirotypus iuvenoides* Wunderlich, 1988 ..... Ne Dominican amber

† ***Spinitheridiosoma* Wunderlich, 2004*j*** ..... **Palaeogene**

NB: type species designated from the wrong genus!

533. *Spinitheridiosoma balticum* Wunderlich, 2004*j* ..... Pa Baltic amber

534. *Spinitheridiosoma bispinosum* Wunderlich, 2004*j* ..... Pa Bitterfeld amber

535. *Spinitheridiosoma rima* Wunderlich, 2004*j* ..... Pa Baltic amber

Theridiosoma* O. P.-Cambridge, 1879*b ..... **Neogene – Recent**

536. *Theridiosoma incompletum* Wunderlich, 1988 ..... Ne Dominican amber

† ***Umerosoma* Wunderlich, *2004j*** ..... **Palaeogene**

537. *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**

538. *Balticonopsis bispina* Wunderlich, 2004*k* ..... Pa Baltic amber

539. *Balticonopsis bitterfeldensis* Wunderlich, 2004*k* ..... Pa Bitterfeld amber

540. *Balticonopsis bulbosa* Wunderlich, 2004*k* ..... Pa Baltic amber

541. *Balticonopsis ceranowiczae* Wunderlich, 2004*k* ..... Pa Baltic amber

542. *Balticonopsis holti* Wunderlich, 2004*k** ..... Pa Baltic amber

543. *Balticonopsis perkovskyi* Wunderlich, 2004*ar* ..... Pa Rovno amber

544. *Balticonopsis thomasi* Wunderlich, 2004*k* ..... Pa Baltic amber

Balticonopsis sp. *in* Wunderlich (2004*k*) ..... Pa Baltic amber

† ***Dubianapis* Wunderlich, 2004*k*** ..... **Palaeogene**

545. *Dubianapis obscura* Wunderlich, 2004*k** ..... Pa Baltic amber

† ***Flagellanapis* Wunderlich, 2004*k*** ..... **Palaeogene**

546. *Flagellanapis voigti* Wunderlich, 2004*k** ..... Pa Baltic/Bitt. Amber

† ***Fossilanapis* Wunderlich, 2004*k*** ..... **Palaeogene**

547. *Fossilanapis anderseri* Wunderlich, 2004*k* ..... Pa Baltic amber

548. *Fossilanapis baetcheri* Wunderlich, 2004*k** ..... Pa Baltic amber

549. *Fossilanapis eichmanni* Wunderlich, 2004*k* ..... Pa Baltic amber

550. *Fossilanapis flexiotarsus* Wunderlich, 2004*k* ..... Pa Baltic amber

551. *Fossilanapis multispinae* Wunderlich, 2011*h* ..... Pa Baltic amber

552. *Fossilanapis saltans* Wunderlich, 2004*k* ..... Pa Baltic amber

553. *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**

554. *Palaeoanapis nana* Wunderlich, 1988* ..... Ne Dominican amber

† ***Ruganapis* Wunderlich, 2004*k*** ..... **Palaeogene**

555. *Ruganapis scutata* Wunderlich, 2004*k** ..... Pa Baltic amber

† ***Saxonanapis*** **Wunderlich, 2004*k*** ..... **Palaeogene**

556. *Saxonanapis grabenhorsti* Wunderlich, 2004*k** ..... Pa Baltic/Bitt. Amber

† ***Tuberanapis*** **Wunderlich, 2004*k*** ..... **Palaeogene**

557. *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*]

558. *Balticoroma damzeni* Wunderlich, 2011*h*..... Pa Baltic amber

559. *Balticoroma ernstorum* Wunderlich, 2004*k* ..... Pa Baltic/Bitt. amber

560. *Balticoroma gracilipes* Wunderlich 2004*k* ..... Pa Baltic/Bitt. amber

561. *Balticoroma reschi* Wunderlich, 2004*k** ..... Pa Baltic amber

562. *Balticoroma serafinorum* Wunderlich, 2004*k* ..... Pa Baltic/Bitt. amber

563. *Balticoroma tibialis* Wunderlich, 2004*k* ..... Pa Baltic amber

564. *Balticoroma wheateri* Penney & Marusik, 2011 *in* Penney *et al*..... Pa Baltic amber

MYSMENIDAE Petrunkevitch, 1928 ..... **Palaeogene – Recent**

Mysmeninae sp. *in* Wunderlich (2004*ar*) ..... Pa Rovno amber

† ***Dominicanopsis*** **Wunderlich, 2004*k*** ..... **Neogene**

565. *Dominicanopsis grimaldii* Wunderlich, 2004*k** ..... Ne Dominican amber

† ***Eomysmenopsis*** **Wunderlich, 2004*k*** ..... **Palaeogene**

566. *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

567. *Mysmena* (s.l.) *copalis* Wunderlich, 2011*f*..... Qt Madagascan copal

568. *Mysmena curvata* Wunderlich, 2011*h*..... Pa Baltic amber

569. *Mysmena dominicana* Wunderlich, 1998 ..... Qt Madagascan copal

570. *Mysmena fossilis* Petrunkevitch, 1971 ..... Ne Chiapas amber

571. *Mysmena groehni* Wunderlich, 2004*k* ..... Pa Baltic / Bitt. amber

572. *Mysmena grotae* Wunderlich, 2004*k* ..... Pa Baltic amber

Mysmenopsis **Simon, 1897*b*** ..... **Neogene – Recent**

573. *Mysmenopsis lissycoleyae* Penney, 2000 ..... Ne Dominican amber

† ***Palaeomysmena*** **Wunderlich, 2004*k*** ..... **Palaeogene**

574. *Palaeomysmena hoffeinsorum* Wunderlich, 2004*k** ..... Pa Baltic amber

† **BALTSUCCINIDAE Wunderlich, 2004*l*** ..... **Palaeogene**

† ***Baltsuccinus*** **Wunderlich, 2004*l*** ..... **Palaeogene**

575. *Baltsuccinus flagellaceus* Wunderlich, 2004*l** ..... Pa Baltic amber

576. *Baltsuccinus similis* Wunderlich, 2004*l* ..... Pa Baltic amber

† **PROTHERIDIIDAE Wunderlich, 2004*l*** ..... **Cretaceous – Palaeo.**

† ***Protheridion* Wunderlich, 2004*l*** ..... **Palaeogene**

577. *Protheridion bitterfeldensis* Wunderlich, 2004*l* ..... Pa Bitterfeld amber
578. *Protheridion detritus* Wunderlich, 2004*l* ..... Pa Baltic amber
579. *Protheridion obscurum* Wunderlich, 2004*l* ..... Pa Baltic amber
580. *Protheridion punctatum* Wunderlich, 2004*l* ..... Pa Baltic amber
581. *Protheridion tibialis* Wunderlich, 2004*l** ..... Pa Baltic amber

† ***Zarqaraneus* Wunderlich, 2008*d*** ..... **Cretaceous**

582. *Zarqaraneus hudae* Wunderlich, 2008*d** ..... K Jordanian amber

† **PRAETHERIDIIDAE Wunderlich, 2004*l*** (n. stat. 2012) ..... **Palaeogene**

† ***Praetheridion* Wunderlich, 2004*l*** ..... **Palaeogene**

583. *Praetheridion fleissneri* Wunderlich, 2004*l** ..... Pa Baltic amber

SYNAPHRIDAE Wunderlich, 1986 ..... **Palaeogene – Recent**

† ***Iardinidis* Wunderlich 2004*k*** ..... **Palaeogene**

584. *Iardinidis brevipes* Wunderlich, 2004*k** ..... Pa Baltic amber

PIMOIDAE Wunderlich, 1986 ..... **Palaeogene – Recent**

***Pimoa* Chamberlin & Ivie, 1943** ..... **Palaeogene – Recent**

585. *Pimoa expandens* Wunderlich, 2004*r* ..... Pa Baltic amber
586. *Pimoa (Eopimoa) hormigai* Wunderlich, 2004*r* ..... Pa Baltic amber
587. *Pimoa inopinata* Wunderlich, 2004*r* ..... Pa Baltic amber
588. *Pimoa liedtkei* Wunderlich, 2004*r* ..... Pa Baltic amber
589. *Pimoa lingua* Wunderlich, 2004*r* ..... Pa Baltic amber
590. *Pimoa (Eopimoa) longiscapus* Wunderlich, 2008*a* ..... Pa Baltic amber
591. *Pimoa multicuspuli* Wunderlich, 2004*r* ..... Pa Baltic amber
592. *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**

593. *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) ..... K 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**

594. *Agynetiphantes gibbiferus* Wunderlich, 2004*s** ..... Pa Baltic amber

***Ceratinopsis* Emerton, 1882** ..... **Quaternary – Recent**

595. *Ceratinopsis deformans* (Wunderlich, 1998) ..... Qt Madagascan copal

Cnephalocotes* Simon, 1884*c ..... **Quaternary – Recent**

596. *Cnephalocotes obscurus* (Blackwall, 1834*b*) **[Recent]** ..... Qt England

† ***Custodela* Petrunkevitch, 1942** ..... **Palaeogene**

= † *Obnisus* Petrunkevitch, 1942 [tenative synonomy]

597. *Custodela acuta* Wunderlich, 2004*s* ..... Pa Baltic amber

598. *Custodela acutula* Wunderlich, 2004*s* ..... Pa Bitterfeld amber

599. *Custodela bispina* Wunderlich, 2004*s* ..... Pa Bitterfeld amber

600. *Custodela bispinosa* Wunderlich, 2004*s* ..... Pa Bitterfeld amber

601. *Custodela cheiracantha* (C. L. Koch & Berendt, 1854)* ..... Pa Baltic amber

602. *Custodela clava* Wunderlich, 2004*s* ..... Pa Baltic amber

603. *Custodela curva* Wunderlich, 2004*s* ..... Pa Baltic amber

604. *Custodela curvata* Wunderlich, 2004*s* ..... Pa Bitterfeld amber

605. *Custodela divergens* Wunderlich, 2004*s* ..... Pa Baltic amber

606. *Custodela expandens* Wunderlich, 2004*s* ..... Pa Baltic amber

607. *Custodela falcata* Wunderlich, 2004*s* ..... Pa Baltic amber

608. *Custodela femurspinosa* Wunderlich, 2004*s* ..... Pa Bitterfeld amber

609. *Custodela henningseni* Wunderlich, 2004*s* ..... Pa Baltic amber

610. *Custodela kochi* Wunderlich, 2004*s* ..... Pa Baltic amber

611. *Custodela lamellata* (Wunderlich, 1988) ..... Pa Baltic amber

612. *Custodela lanx* Wunderlich, 2004*s* ..... Pa Baltic amber

613. *Custodela oblonga* (C. L. Koch & Berendt, 1854) ..... Pa Baltic amber

614. *Custodela obtusa* Wunderlich, 2004*s* ..... Pa Baltic amber

615. ?*Custodela parva* Wunderlich, 2004*s* ..... Pa Bitterfeld amber

616. *Custodela pseudokochi* Wunderlich, 2004*s* ..... Pa Baltic amber

617. *Custodela stridulans* Wunderlich, 2004*s* ..... Pa Bitterfeld amber

618. *Custodela tenuipes* (Petrunkevitch, 1942) ..... Pa Baltic amber

619. *Custodela tibialis* Wunderlich, 2004*s* ..... Pa Baltic amber

Custodela sp. *in* Wunderlich (2004*s*) ..... Pa Bitterfeld amber

† ***Custodelela* Wunderlich, 2004s** ..... **Palaeogene**

620. *Custodelela hamata* Wunderlich, 2004*s** ..... Pa Bitterfeld amber

† ***Eolabulla* Wunderlich, 2004s** ..... **Palaeogene**

621. *Eolabulla falcata* Wunderlich, 2004*s* ..... Pa Baltic amber

622. *Eolabulla gladiformis* Wunderlich, 2004*s* ..... Pa Baltic amber

623. *Eolabulla laminata* Wunderlich, 2004*s** ..... Pa Baltic amber

624. *Eolabulla perforata* Wunderlich, 2004*s* ..... Pa Baltic amber
625. *Eolabulla sagitta* Wunderlich, 2004*s* ..... Pa Baltic amber
626. *Eolabulla similis* Wunderlich, 2004*s* ..... Pa Baltic amber
Eolabulla sp. 1–2 *in* Wunderlich (2004*s*) ..... Pa Baltic amber

† ***Eophantes* Wunderlich, 2004s** ..... **Palaeogene**
627. *Eophantes complicatus* Wunderlich, 2004*s** ..... Pa Baltic amber
628. ?*Eophantes seorsum* Wunderlich, 2012*c* ..... Pa Baltic amber

***Erigone* Audouin, 1826** ..... **Neogene – Recent**
Erigone sp. *in* Hopkins *et al*. (1976) ..... Qt Alaska
629. *Erigone atra* Blackwall, 1833 **[Recent]** ..... Qt England
630. ?*Erigone dechenii* Bertkau, 1878*b* ..... Ne Rott, Germany

***Floricomus* Crosby & Bishop, 1925** ..... **Neogene – Recent**
631. *Floricomus fossilis* Penney, 2005*c* ..... Ne Dominican amber

***Gonatium* Menge, 1868** ..... **Quaternary – Recent**
632. *Gonatium rubens* (Blackwall, 1833) **[Recent]** ..... Qt England

***Hypselistes* Simon, 1894** ..... **Quaternary – Recent**
633. *Hypselistes jacksoni* (O. P.-Cambridge, 1902) **[Recent]** ..... Qt England

Linyphia* Latreille, 1804*a ..... **Palaeogene – Recent**
634. *Linyphia andraei* Bertkau, 1878*b* ..... Ne Rott, Germany
635. *Linyphia byrami* Cockerell, 1925 ..... Pa Green River
636. *Linyphia florissanti* Petrunkevitch, 1922 ..... Pa Florissant
637. *Linyphia pachygnathoides* Petrunkevitch, 1922 ..... Pa Florissant
638. *Linyphia quievreuxi* Berland, 1939 ..... Pa Aix-en-Provence
639. *Linyphia retensa* Scudder, 1890*a* ..... Pa Florissant
640. *Linyphia rottensis* Bertkau, 1878*b* ..... Ne Rott, Germany
641. *Linyphia seclusa* (Scudder, 1890*a*) ..... Pa Florissant

† ***Madagascarphantes* Wunderlich, 2012*a*** ..... **Quaternary**
642. *Madagascarphantes vomerans* Wunderlich, 2012*a** ..... Qt Madagascan copal

† ***Malepellis* Petrunkevitch, 1971** ..... **Neogene**
643. *Malepellis extincta* Petrunkevitch, 1971* ..... Ne Chiapas amber

***Meioneta* Hull, 1920** ..... **Neogene – Recent**
644. *Meioneta bigibber* (Wunderlich, 1988) ..... Ne Dominican amber
645. *Meioneta fastigata* (Wunderlich, 1988) ..... Ne Dominican amber
646. *Meioneta separata* (Wunderlich, 1988) ..... Ne Dominican amber
Meioneta sp. *in* Wunderlich (1988) ..... Ne Dominican amber

***Micryphantes* C. L. Koch, 1833** ..... **Palaeogene**
647. *Micryphantes molybdinus* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber
648. *Micryphantes regularis* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

† ***Mystagogus* Petrunkevitch, 1942** ...[Wunderlich suggests possibly in Cyatholipidae] **Palaeogene**
649. *Mystagogus dubius* Petrunkevitch, 1958 ..... Pa Baltic amber
650. *Mystagogus glaber* Petrunkevitch, 1942* ..... Pa Baltic amber

† ***Paralabulla*** **Wunderlich, 2004*s*** ..... **Palaeogene**

651. *Paralabulla bitterfeldensis* Wunderlich, 2004*s** ..... Pa Bitterfeld amber

652. ?*Paralabulla dubia* Wunderlich, 2004*s* ..... Pa Baltic amber

653. *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**

654. *Pocadicnemis pumila* (Blackwall, 1841) **[Recent]** ..... Qt England

Savignia **Blackwall, 1833** ..... **Quaternary – Recent**

655. *Savignia frontata* Blackwall, 1833 **[Recent]** ..... Qt England

Selenyphantes **Gertsch & Davis, 1946** ..... **Neogene – Recent**

= † *Palaeolinyphia* Wunderlich, 1986

656. *Selenyphantes flagellifera* (Wunderlich, 1986) ..... Ne Dominican amber

† ***Succineta*** **Wunderlich, 2004*s*** ..... **Palaeogene**

657. *Succineta brevispina* Wunderlich, 2004*s* ..... Pa Baltic amber

658. *Succineta discoidalis* Wunderlich, 2004*s** ..... Pa Baltic amber

Succineta sp. *in* Wunderlich (2004*s*) ..... Pa Baltic amber

† ***Succiphantes*** **Wunderlich, 2004*s*** ..... **Palaeogene**

659. *Succiphantes tanasevitchi* Wunderlich, 2004*s* ..... Pa Baltic amber

660. *Succiphantes velteni* Wunderlich, 2004*s** ..... Pa Baltic amber

Toschia **Caporiacco, 1949** ..... **Quaternary – Recent**

661. ?*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**

662. *Anameta distenda* Wunderlich, 2004*h** ..... Pa Bitterfeld amber

663. *Anameta kuntneri* Wunderlich, 2008*a* ..... Pa Baltic amber

Azilia **Keyserling, 1882** ..... **Neogene – Recent**

664. *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**

665. *Balticgnatha projectens* Wunderlich 2011*h** ..... Pa Baltic amber

† ***Baltleucauge*** **Wunderlich, 2008*a*** ..... **Palaeogene**

666. *Baltleucauge gillespiae* Wunderlich 2008*a** ..... Pa Baltic amber

667. *Baltleucauge propinqua* Wunderlich, 2012*c* ..... Pa Baltic amber

† ***Corneometa*** **Wunderlich, 2004*h*** ..... **Palaeogene**

668. *Corneometa baltica* Wunderlich 2004*h** ..... Pa Baltic amber

669. *Corneometa pilosipes* Wunderlich 2004*h* ..... Pa Baltic amber

Cyrtognatha **Keyserling, 1882** ..... **Neogene – Recent**

670. *Cyrtognatha weitschati* Wunderlich, 1988 ..... Ne Dominican amber

† ***Eometa*** **Petrunkevitch, 1958** ..... **Palaeogene**

671. *Eometa calefacta* Wunderlich, 2004*h* ..... Pa Baltic amber

672. *Eometa longipes* Petrunkevitch, 1958 ..... Pa Baltic amber

673. *Eometa occulta* Wunderlich, 2004*h* ..... Pa Baltic amber

674. *Eometa perfecta* Wunderlich, 2004*h* ..... Pa Baltic amber

675. *Eometa samlandica* Petrunkevitch, 1958* ..... Pa Baltic amber

Eometa sp. 1–2 *in* Wunderlich (2004*h*) ..... Pa Baltic amber

Homalometa **Simon, 1897*b*** ..... **Neogene – Recent**

676. *Homalometa fossilis* Wunderlich, 1988 ..... Ne Dominican amber

† ***Huergina*** **Selden & Penney, 2003** ..... **Cretaceous**

677. *Huergina diazromerali* Selden & Penney, 2003* ..... K Las Hoyas, Spain

† ***Macryphantes*** **Selden, 1990** ..... **Cretaceous**

678. *Macryphantes cowdeni* Selden, 1990* ..... K Sierra de Montsech

Meta **C. L. Koch, 1836** ..... **Palaeogene – Recent**

679. *Meta (Praetermeta) maculosa* Wunderlich, 2008*a* ..... Pa Baltic amber

680. *Meta (Praetermeta) velans* (Wunderlich, 2004*h)* ..... Pa Baltic amber

† ***Palaeometa*** **Petrunkevitch, 1922** ..... **Palaeogene**

681. *Palaeometa opertanea* (Scudder, 1890*a*)* ..... Pa Florissant

† ***Palaeopachygnatha*** **Petrunkevitch, 1922** ..... **Palaeogene**

682. *Palaeopachygnatha cockerelli* Petrunkevitch, 1922 ..... Pa Florissant

683. *Palaeopachygnatha scudderi* Petrunkevitch, 1922* ..... Pa Florissant

† ***Priscometa*** **Petrunkevitch, 1958** ..... **Palaeogene**

684. *Priscometa capta* Wunderlich, 2004*h* ..... Pa Baltic amber

685. *Priscometa minor* Wunderlich, 2004*h* ..... Pa Baltic amber

686. *Priscometa tenuipes* Petrunkevitch, 1958* ..... Pa Baltic amber

† ***Samlandicmeta*** **Wunderlich, 2012*c*** ..... **Palaeogene**

687. *Samlandicmeta mutila* Wunderlich, 2012*c* ..... Pa Baltic amber

Tetragnatha **Latreille, 1804*a*** ..... **Palaeogene – Recent**

688. *Tetragnatha parva* (Hong, 1985) ..... Ne Shanwang

689. *Tetragnatha pristina* Schawaller, 1982*c* ..... Ne Dominican amber

690. *Tetragnatha tertiaria* Scudder, 1885 ..... Pa Florissant

NEPHILIDAE Simon, 1894 ..... **Jurassic – Recent**

Nephilidae indet. *in* Wunderlich (2012*c*) ..... Pa Baltic amber

† ***Cretaraneus*** **Selden, 1990** ..... **Cretaceous**

691. *Cretaraneus liaoningensis* Cheng, Meng & Wang *in* Cheng *et al*., 2008 ..... K Jehol biota

692. *Cretaraneus martensnetoi* Mesquita, 1996 ..... K Crato Formation

693. *Cretaraneus vilaltae* Selden, 1990* ..... K Sierra de Montsech

† ***Eonephila*** **Wunderlich, 2004*i*** ..... **Palaeogene**

694. *Eonephila bitterfeldensis* Wunderlich, 2004*i* ..... Pa Bitterfeld amber
695. *Eonephila excellens* Wunderlich, 2004*i** ..... Pa Baltic amber
696. *Eonephila longembolus* Wunderlich, 2004*i* ..... Pa Baltic amber

† ***Geratonephila* Poinar *in* Poinar & Buckley, 2012** ..... **Cretaceous**

697. *Geratonephila burmanica* Poinar *in* Poinar & Buckley, 2012* ..... K Myanmar amber

† ***Luxurionephila* Wunderlich, 2004*i*** ..... **Palaeogene**

698. *Luxurionephila spinifera* Wunderlich, 2004*i* ..... Pa Baltic amber

† ***Minutunguis* Wunderlich, 2011*f*** ..... **Quaternary**

699. *Minutunguis silvestris* Wunderlich, 2011*f* *..... Qt Madagascar copal

***Nephila* Leach, 1815** ..... **Cretaceous – Recent**

700. *Nephila breviembolus* Wunderlich, 1986 ..... Ne Dominican amber
701. *Nephila dommeli* Wunderlich, 1982 ..... Ne Dominican amber
702. *Nephila furca* Wunderlich, 1986 ..... Ne Dominican amber
703. *Nephila longembolus* Wunderlich, 1986 ..... Ne Dominican amber
704. *Nephila pennatipes* Scudder, 1885 ..... Pa Florissant
705. *Nephila tenuis* Wunderlich, 1986 ..... Ne Dominican amber

Nephila sp. *in* Dunlop & Penney (2012) ..... K Crato Formation

† ***Palaeonephila* Wunderlich, 2004*i*** ..... **Palaeogene**

706. *Palaeonephila brevis* Wunderlich, 2004*i* ..... Pa Baltic amber
707. *Palaeonephila curvata* Wunderlich, 2004*i** ..... Pa Baltic amber
708. *Palaeonephila dilitans* Wunderlich, 2004*i* ..... Pa Baltic amber
709. *Palaeonephila fibula* Wunderlich, 2004*i* ..... Pa Baltic amber
710. *Palaeonephila longipes* Wunderlich, 2004*i* ..... Pa Baltic amber

† **MONGOLARACHNIDAE Selden, Shi & Ren, 2013** ..... **Jurassic**

† ***Mongolarachne* Selden, Shi & Ren, 2013** ..... **Jurassic**

711. *Mongolarachne jurassica* (Selden, Shih & Ren, 2011)* ..... J Daohugou

† **JURARANEIDAE Eskov, 1984** ..... **Jurassic**

† ***Juraraneus* Eskov, 1984** ..... **Jurassic**

712. *Juraraneus rasnitsyni* Eskov, 1984 ..... J Transbaikalia

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**

713. *Anepeira complicata* Wunderlich, 2004*i** ..... Pa Baltic amber

† ***Araneometa* Wunderlich, 1988** ..... **Neogene**

714. *Araneometa excelsa* Wunderlich, 1988 ..... Ne Dominican amber

715. *Araneometa herrlingi* Wunderlich, 1988* ..... Ne Dominican amber

716. *Araneometa spirembolus* Wunderlich, 1988 ..... Ne Dominican amber

Araneometa sp. *in* Wunderlich (1988) ..... Ne Dominican amber

***Araneus* Clerck, 1757** ..... **?Cretaceous – Recent**

717. ?*Araneus* sp. *in* Wunderlich (2012*c*) ..... Pa Baltic amber

718. *Araneus absconditus* (Scudder, 1890*a*) ..... Pa Florissant

719. *Araneus aethus* Chang, 2004 [generic assignment unreliable!] ..... K Jehol biota

720. *Araneus beipiaoensis* Chang, 2004 [generic assignment unreliable!] ..... K Jehol biota

721. *Araneus carbonaceous* Zhang, Sun & Zhang, 1994 ..... Ne Shanwang

722. *Araneus cinefactus* (Scudder, 1890*a*) ..... Pa Florissant

723. *Araneus defunctus* Petrunkevitch, 1958 ..... Pa Baltic amber

724. *Araneus delitus* (Scudder, 1890*a*) ..... Pa Florissant

725. *Araneus emertoni* (Scudder, 1890*a*) ..... Pa Florissant

726. *Araneus exustus* Petrunkevitch, 1963 ..... Ne Chiapas amber

727. *Araneus kinchloeae* Dunlop & Jekel, 2009 ..... Pa Florissant

i. = *Araneus indistinctus* (Petrunkevitch, 1922) [preoccupied]

728. *Araneus inelegans* Zhang, Sun & Zhang, 1994 ..... Ne Shanwang

729. *Araneus leptopodus* Zhang, Sun & Zhang, 1994 ..... Ne Shanwang

730. *Araneus liaoxiensis* Chang, 2004 [generic assignment unreliable!] ..... K Jehol biota

731. *Araneus longimanus* (Petrunkevitch, 1922) ..... Pa Florissant

732. *Araneus (Calinurus) longipes* Dalman, 1826 ..... Qt Copal

733. *Araneus luianus* Zhang, Sun & Zhang, 1994 ..... Ne Shanwang

734. *Araneus meeki* (Scudder, 1890*a*) ..... Pa Florissant

735. *Araneus molassicus* (Heer, 1865) ..... Ne Öhningen

736. *Araneus nanus* Wunderlich, 1988 ..... Ne Dominican amber

737. *Araneus piceus* Lin, Zhang & Wang, 1989 ..... Ne Shanwang

738. *Araneus reheensis* Chang, 2004 [generic assignment unreliable!] ..... K Jehol biota

739. *Araneus ruidipedalis* Zhang, Sun & Zhang, 1994 ..... Ne Shanwang

740. *Araneus troschelii* (Bertkau, 1878*b*) ..... Ne Rott, Germany

741. *Araneus vulcanalis* (Scudder, 1890*a*) ..... Pa Florissant

***Argiope* Audouin, 1826** ..... **Neogene – Recent**

= † *Magnaranea* Hong, 1985

742. *Argiope furva* (Hong, 1985) ..... Ne Shanwang

† ***Bararaneus* Wunderlich, 2004*i*** ..... **Palaeogene**

743. ?*Bararaneus annulatus* Wunderlich, 2004*i* ..... Pa Baltic amber

744. *Bararaneus evolvens* Wunderlich, 2004*i** ..... Pa Baltic amber

† ***Chrysometata* Wunderlich, 2004*h*** ..... **Palaeogene**

745. *Chrysometata palaearctica* Wunderlich, 2004*h** ..... Pa Baltic amber

† ***Cyclososoma*** **Petrunkevitch, 1958** ..... **Palaeogene**

746. *Cyclososoma succini* Petrunkevitch, 1958* ..... Pa Baltic amber

Enacrosoma **Mello-Leitão, 1932** ..... **Neogene – Recent**

747. *Enacrosoma verrucosa* (Wunderlich, 1988) ..... Ne Dominican amber

† ***Eoaraneus*** **Wunderlich, 2004*i*** ..... **Palaeogene**

748. *Eoaraneus complexus* Wunderlich, 2004*i** ..... Pa Baltic amber

† ***Eochorizopes*** **Wunderlich, 2008*a*** ..... **Palaeogene**

749. *Eochorizopes szeklinskiae* Wunderlich, 2008*a** ..... Pa Baltic amber

† ***Eozygiella*** **Wunderlich, 2004*h*** ..... **Palaeogene**

750. *Eozygiella compacta* Wunderlich, 2004*h** ..... Pa Baltic amber

† ***Fossilaraneus*** **Wunderlich, 1988** ..... **Neogene**

751. *Fossilaraneus incertus* Wunderlich, 1988* ..... Ne Dominican amber

Gea **C. L. Koch, 1843a** ..... **Palaeogene – Recent**

752. *Gea krantzi* von Heyden, 1859 ..... Ne Rott, Germany

† ***Graea*** **Thorell, 1869** ..... **Palaeogene**

= † *Eustaloides* Petrunkevitch, 1942

753. ?*Graea aberrans* Wunderlich, 2004*h* ..... Pa Baltic amber

754. *Graea bitterfeldensis* Wunderlich, 2004*h* ..... Pa Bitterfeld amber

755. *Graea breviembolus* Wunderlich, 2004*h* ..... Pa Baltic amber

756. *Graea brevis* Wunderlich, 2004*h* ..... Pa Baltic amber

757. *Graea calceatus* (Petrunkevitch, 1950) ..... Pa Baltic amber

758. *Graea epeiroidea* (C. L. Koch & Berendt, 1854)* ..... Pa Baltic amber

759. *Graea impudica* Wunderlich, 2004*h* ..... Pa Baltic amber

760. *Graea lingula* Wunderlich, 2004*h* ..... Pa Baltic amber

761. *Graea magnocoli* Wunderlich, 2012*c* ..... Pa Baltic amber

762. *Graea minor* (Petrunkevitch, 1950) ..... Pa Baltic amber

763. *Graea setosa* (Petrunkevitch, 1942) ..... Pa Baltic amber

764. *Graea succini* Petrunkevitch, 1942 ..... Pa Baltic amber

Hypognatha **Guérin, 1839** ..... **Quaternary – Recent**

765. *Hypognatha testudinaria* (Taczanowski, 1879) **[Recent]** ..... Qt Colombian copal

† ***Meditrina*** **Petrunkevitch, 1942** ..... **Palaeogene**

766. *Meditrina circumvallata* Petrunkevitch, 1942* ..... Pa Baltic amber

† ***Mesozygiella*** **Penney & Ortuño, 2006** ..... **Cretaceous**

767. *Mesozygiella dunlopi* Penney & Ortuño, 2006* ..... K Álava amber

† ***Miraraneus*** **Wunderlich, 2004*i*** ..... **Palaeogene**

768. *Miraraneus peregrinus* Wunderlich, 2004*i** ..... Pa Baltic amber

† ***Mirometa*** **Petrunkevitch, 1963** ..... **Neogene**

769. *Mirometa valdespinosa* Petrunkevitch, 1963 ..... Ne Chiapas amber

Molinaranea **Mello-Leitão, 1940** ..... **Neogene – Recent**

770. *Molinaranea mitnickii* Saupe, Selden & Penney, 2010 ..... Ne Dominican amber

† ***Pycnosinga* Wunderlich, 1988** ..... **Neogene**

771. *Pycnosinga fossilis* Wunderlich, 1988* ..... Ne Dominican amber

† ***Testudinaroides* Dunlop & Jekel, 2008** ..... **Neogene**

= † *Testudinaria* Zhang, Sun & Zhang, 1994 [preoccupied]

772. *Testudinaroides papposa* (Zhang, Sun & Zhang, 1994) ..... Ne Shanwang

† ***Tethneus* Scudder, 1885** ..... **Palaeogene**

= † *Melanites* Hong, 1985

773. *Tethneus guyoti* Scudder, 1890*a* ..... Pa Florissant

774. *Tethneus hentzi* Scudder, 1885* ..... Pa Florissant

775. *Tethneus obduratus* Scudder, 1890*a* ..... Pa Florissant

776. *Tethneus orbiculatus* (Hong, 1985) ..... Ne Shanwang

777. *Tethneus provectus* Scudder, 1890*a* ..... Pa Florissant

778. *Tethneus robustus* Petrunkevitch, 1922 ..... Pa Florissant

779. *Tethneus twenhofeli* Petrunkevitch, 1922 ..... Pa Florissant

***Zilla* C. L. Koch, 1834** ..... **Palaeogene – Recent**

780. *Zilla gracilis* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

781. *Zilla porrecta* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

782. *Zilla veterana* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

RETROLATERAL TIBIAL APOPHYSIS CLADE ..... **Cretaceous – Recent**

?RTA-clade *in* Wunderlich (2008*d*) ..... K Myanmar amber

LYCOSOIDEA Sundevall, 1833 ..... **Cretaceous – Recent**

† ***Korearachne* Selden, Nam, Kim & Kim, 2012** ..... **Cretaceous**

783. *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**

784. *Alopecosa ?pulverulenta* (Clerck, 1757) **[Recent]** ..... Qt England

† ***Dryadia* Zhang, Sun & Zhang, 1994** ..... **Palaeogene**

785. *Dryadia acanthopoda* Zhang, Sun & Zhang, 1994 ..... Ne Shanwang

Lycosa* Latreille, 1804*a ..... **Palaeogene – Recent**

786. *Lycosa florissanti* Petrunkevitch, 1922 ..... Pa Florissant

787. *Lycosa lithographica* Schawaller & Ono, 1979 ..... Ne Randecker Maar

788. *Lycosa malleata* Zhang, Sun & Zhang, 1994 ..... Ne Shanwang

789. *Lycosa miocaena* Schawaller & Ono, 1979 ..... Ne Randecker Maar

790. *Lycosa subterranea* Zhang, Sun & Zhang, 1994 ..... Ne Shanwang

***Pardosa* C. L. Koch, 1847** ..... **Quaternary – Recent**

791. *Pardosa pullata* (Clerck, 1757) **[Recent]** ..... Qt England

Pardosa sp. *in* Scott (2003) ..... Qt England

***Pirata* Sundevall, 1833** ..... **Quaternary – Recent**

792. *Pirata ?piraticus (*Clerck, 1757) **[Recent]** ..... Qt England

***Trochosa* C. L. Koch, 1847** ..... **Quaternary – Recent**

793. *Trochosa terricola* Thorell, 1856 **[Recent]** ..... Qt England

† **PARATTIDAE Petrunkevitch, 1922** ..... **Palaeogene**

† ***Parattus* Petrunkevitch, 1922** ..... **Palaeogene**

794. *Parattus evocatus* (Scudder, 1890*a*) ..... Pa Florissant

795. *Parattus latitatus* (Scudder, 1890*a*) ..... Pa Florissant

796. *Parattus oculatus* Petrunkevitch, 1922 ..... Pa Florissant

797. *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**

798. *Eotrechalea annulata* Wunderlich, 2004*aa** ..... Pa Baltic amber

† ***Esuritor* Petrunkevitch, 1942** ..... **Palaeogene**

799. *Esuritor aculeatus* Petrunkevitch, 1958 ..... Pa Baltic amber

800. *Esuritor spinipes* Petrunkevitch, 1942* ..... Pa Baltic amber

† ***Linoptes* Menge, 1854** ..... **Palaeogene**

801. ?'*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**

802. *Dolomedes fimbriatus* (Clerck, 1757) **[Recent]** ..... Qt England

† '***Linoptes***' **Menge, 1854** ..... **Palaeogene**

= † *Eopisaurella* Petrunkevitch, 1958

NB: See notes on *Linoptes* under Trechaleidae above!

803. ?*'Linoptes' valdespinosa* (Petrunkevitch, 1958)* ..... Pa Baltic amber

?*'Linoptes'* sp. 1–8 *in* Wunderlich (2004*z*) ..... Pa Baltic amber

† ***Palaeoperenethis*** **Selden & Penney, 2009** ..... **Palaeogene**

804. *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**

805. *Oxyopes defectus* Wunderlich, 1988 ..... Ne Dominican amber

806. '*Oxyopes*' *succini* Petrunkevitch, 1958 ..... Pa Baltic amber

Oxyopes sp. *in* Wunderlich (1988, 2004*ab*) ..... Ne Dominican amber

† ***Planoxyopes*** **Petrunkevitch, 1963** ..... **Neogene**

807. *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

† ***Eomatachia*** **Petrunkevitch, 1942** ..... **Palaeogene**

808. *Eomatachia barbarus* Wunderlich, 2004*x* ..... Pa Baltic amber

809. *Eomatachia bipartita* Wunderlich, 2004*x* ..... Pa Baltic amber

810. *Eomatachia divergens* Wunderlich, 2004*x* ..... Pa Baltic amber

811. *Eomatachia duplex* Wunderlich, 2004*x* ..... Pa Baltic amber

812. *Eomatachia latifrons* Petrunkevitch, 1942* ..... Pa Baltic amber

813. *Eomatachia recedens* Wunderlich, 2004*x* ..... Pa Baltic amber

814. *Eomatachia succini* (Petrunkevitch, 1942) ..... Pa Baltic amber

815. *Eomatachia wegneri* Wunderlich, 2004*x* ..... Pa Baltic amber

816. *Eomatachia xanthippe* Wunderlich, 2004*x* ..... Pa Baltic amber

† ***Eoprychia*** **Petrunkevitch, 1958** ..... **Palaeogene**

817. *Eoprychia succini* Petrunkevitch, 1958* ..... Pa Baltic amber

818. *Eoprychia succinopsis* Wunderlich, 2004*x* ..... Pa Baltic amber

819. *Eoprychia vicina* Wunderlich, 2004*x* ..... Pa Baltic amber

Eoprychia sp. *in* Wunderlich (2004*x*) ..... ?Pa not specified

† ***Succiniropsis* Wunderlich, 2004x** ..... **Palaeogene**

820. *Succiniropsis kutscheri* Wunderlich, 2004*x** ..... Pa Baltic / Bitt. Amber

821. *Succiniropsis runcinata* Wunderlich, 2012*c* ..... Pa Baltic amber

822. *Succiniropsis samlandica* Wunderlich, 2004*x* ..... Pa Baltic amber

† **INSECUTORIDAE Petrunkevitch, 1942** ..... **Palaeogene**

† ***Insecutor* Petrunkevitch, 1942** ..... **Palaeogene**

823. *Insecutor aculeatus* Petrunkevitch, 1942* ..... Pa Baltic amber

824. *Insecutor mandibulatus* Petrunkevitch, 1942 ..... Pa Baltic amber

825. ?*Insecutor pecten* Wunderlich, 2004*y* ..... Pa Baltic amber

826. *Insecutor rufus* Petrunkevitch, 1942 ..... Pa Baltic amber

827. ?*Insecutor spinifer* Wunderlich, 2004*y* ..... Pa Baltic amber

?*Insecutor* sp. *in* Wunderlich (2004*y*) ..... Pa Baltic amber

ZORIDAE F. O. P.-Cambridge, 1893 ..... **Palaeogene – Recent**

† ***Zorapostenus* Wunderlich, 2008*c*** ..... **Palaeogene**

828. *Zorapostenus raveni* Wunderlich, 2008*c* ..... Pa Baltic amber

† **SUCCINOMIDAE Wunderlich, 2012*c*** ..... **Palaeogene**

† ***Eohalinobius* Wunderlich, 2008*c*** ..... **Palaeogene**

829. *Eohalinobius calefactus* Wunderlich, 2012*c* ..... Pa Baltic amber

830. *Eohalinobius hiddenseeensis* Wunderlich, 2012*c* ..... Pa Baltic amber

831. *Eohalinobius patina* Wunderlich, 2012*c* ..... Pa Baltic amber

832. *Eohalinobius scutatus* Wunderlich, 2008*c* ..... Pa Baltic amber

† ***Succinomus* Wunderlich, 2008*c*** ..... **Palaeogene**

833. *Succinomus duomammillae* Wunderlich, 2008*c* ..... Pa Baltic amber

834. *?Succinomus gibbosus* Wunderlich, 2012*c* ..... Pa Baltic amber

CTENIDAE Keyserling, 1877 ..... **Neogene – Recent**

= ACANTHOCTENIDAE Simon, 1892*b*

† ***Nanoctenus* Wunderlich, 1988** ..... **Neogene**

835. *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**

836. *Agelena tabida* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

***Histopona* Thorell, 1869** ..... **Palaeogene – Recent**

837. ?*Histopona anthracina* Bertkau, 1878*b* ..... Ne Rott, Germany

† ***Inceptor*** **Petrunkevitch, 1942** ..... **Palaeogene**

838. *Inceptor aculeatus* Petrunkevitch, 1942* ..... Pa Baltic amber

839. *Inceptor dubius* Petrunkevitch, 1946 ..... Pa Baltic amber

Tegenaria **Latreille, 1804a** ..... **Palaeogene – Recent**

840. ?*Tegenaria fragmentum* Wunderlich, 2004*w* ..... Pa Baltic amber

841. *Tegenaria lacazei* Gourret, 1887 ..... Pa Aix-en-Provence

842. ?*Tegenaria obtusa* Wunderlich, 2004*w* ..... Pa Baltic amber

843. *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**

844. *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**

845. *Argyroneta aquatica* (Clerck, 1757) **[Recent]** ..... Qt England

846. ?*Argyroneta longipes* Heer, 1865 ..... Ne Öhningen

† ***Vectaraneus*** **Selden, 2001** ..... **Palaeogene**

847. *Vectaraneus yulei* Selden, 2001* ..... Pa Bembridge Marls

DESIDAE Pocock, 1895 ..... **Palaeogene – Recent**

Myro **O. P.-Cambridge, 1876** ..... **Palaeogene – Recent**

848. *Myro extinctus* Petrunkevitch, 1958 ...[possibly belongs in Dictynidae]..... Pa Baltic amber

849. *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**

850. *Cymbiohahnia parens* Wunderlich, 2004*v* ..... Pa Baltic, Bitterfeld & Rovno amber

† ***Eohahnia*** **Petrunkevitch, 1958** ..... **Palaeogene**

851. *Eohahnia succini* Petrunkevitch, 1958* ..... Pa Baltic amber

† ***Protohahnia*** **Wunderlich, 2004v** ..... **Palaeogene**

852. *Protohahnia antiqua* Wunderlich, 2004*v** ..... Pa Baltic amber

853. *Protohahnia tripartita* Wunderlich, 2004*v* ..... Pa Baltic amber

genus uncertain

854. '*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 Myanmar amber

Dictyninae indet *in* Wunderlich (2012*b*) ..... Pa Rovno amber

***Argenna* Thorell, 1870a** ..... **Neogene – Recent**

855. *Argenna fossilis* Petrunkevitch *in* Palmer, 1957 ..... Ne Mojave Desert

† ***Arthrodictyna* Petrunkevitch, 1942** ..... **Palaeogene**

856. *Arthrodictyna segmentata* Petrunkevitch, 1942* ..... Pa Baltic amber

† ***Balticocryphoeca* Wunderlich, 2004v** ..... **Palaeogene**

857. *Balticocryphoeca curvitarsis* Wunderlich, 2004*v** ..... Pa Baltic / Bitt. amber

† ***Brommellina* Wunderlich, 2004v** ..... **Palaeogene**

858. *Brommellina longungulae* Wunderlich, 2004*v** ..... Pa Baltic amber

† ***Burmadictyna* Wunderlich, 2008*d*** ..... **Cretaceous**

859. *Burmadictyna pecten* Wunderlich, 2008*d** ..... K Myanmar amber

† ***Chelicirrum* Wunderlich, 2004*v*** ..... **Palaeogene**

860. *Chelicirrum stridulans* Wunderlich, 2004*v** ..... Pa Baltic amber

† ***Cryphoezaga* Wunderlich, 2004*v*** ..... **Palaeogene**

861. *Cryphoezaga dubia* Wunderlich, 2004*v** ..... Pa Baltic amber

***Dictyna* Sundevall, 1833** ..... **Quaternary – Recent**

862. *Dictyna rufa* Wunderlich, 2012*a* ..... Qt Madagascan copal

† ***Eobrommella* Wunderlich, 2004*v*** ..... **Palaeogene**

863. *Eobrommella scutata* Wunderlich, 2004*v** ..... Pa Baltic amber

† ***Eocryphoeca* Petrunkevitch, 1946** ..... **Palaeogene**

864. *Eocryphoeca bitterfeldensis* Wunderlich, 2004*v* ..... Pa Bitterfeld amber

865. *Eocryphoeca electrina* Wunderlich, 2004*v* ..... Pa Baltic amber

866. *Eocryphoeca falcata* Wunderlich, 2004*v* ..... Pa Baltic amber

867. *Eocryphoeca gibbifera* Wunderlich, 2004*v* ..... Pa Baltic amber

868. *Eocryphoeca gracilipes* (C. L. Koch & Berendt, 1854)* ..... Pa Baltic amber

869. *Eocryphoeca ligula* Wunderlich, 2004*v* ..... Pa Baltic amber

870. *Eocryphoeca mammilla* Wunderlich, 2004*v* ..... Pa Baltic amber

871. *Eocryphoeca splendens* Wunderlich, 2004*v* ..... Pa Baltic amber

Eocryphoeca sp. *in* Wunderlich (2004*v*) ..... Pa Baltic amber

† ***Eocryphoecara* Wunderlich, 2004*v*** ..... **Palaeogene**

872. *Eocryphoecara abicera* Wunderlich, 2004*v** ..... Pa Baltic amber

† ***Eodictyna* Wunderlich, 2004*v*** ..... **Palaeogene**

873. *Eodictyna communis* Wunderlich, 2004*v** ..... Pa Baltic amber

† ***Eolathys* Petrunkevitch, 1950** ..... **Palaeogene**

874. *Eolathys debilis* Petrunkevitch, 1950 ..... Pa Baltic amber

875. *Eolathys succini* Petrunkevitch, 1950* ..... Pa Baltic amber

† ***Flagelldictyna* Wunderlich, 2012*a*** ..... **Quaternary**

876. *Flagelldictyna copalis* Wunderlich, 2012*a** ..... Qt Madagascar copal

† ***Gibbermastigusa* Wunderlich, 2004*v*** ..... **Palaeogene**

877. *Gibbermastigusa lateralis* Wunderlich, 2004*v** ..... Pa Baltic amber

† ***Hispaniolyna* Wunderlich, 1988** ..... **Neogene**

878. *Hispaniolyna hirsuta* Wunderlich, 1988 ..... Ne Dominican amber

879. *Hispaniolyna magna* Wunderlich, 1988* ..... Ne Dominican amber

† ***Mastigusa* Menge *in* C. L. Koch & Berendt, 1854** ..... **Palaeogene**

= † *Eotetrilus* Wunderlich, 1982 [*nomen nudum*]

880. *Mastigusa acuminata* Menge *in* C. L. Koch & Berendt, 1854* ..... Pa Baltic amber

881. *Mastigusa arcuata* Wunderlich, 2004*v* ..... Pa Baltic amber

882. *Mastigusa bitterfeldensis* Wunderlich, 2004*v* ..... Pa Bitterfeld amber

883. *Mastigusa laticymbium* Wunderlich, 2004*v* ..... Pa Baltic amber

884. *Mastigusa magnibulbus* Wunderlich, 2004*v* ..... Pa Bitterfeld amber

885. *Mastigusa media* Wunderlich, 1986 ..... Pa Baltic amber

886. *Mastigusa modesta* Wunderlich, 1986 ..... Pa Baltic amber

887. *Mastigusa scutata* Wunderlich, 2004*v* ..... Pa Baltic amber

Mastigusa sp. *in* Wunderlich (2004*v*) ..... Pa Baltic amber

† ***Mizagalla* Wunderlich, 2004*v*** ..... **Palaeogene**

888. *Mizagalla quattuor* Wunderlich, 2004*v** ..... Pa Baltic amber

889. *Mizagalla tuberculata* Wunderlich, 2004*v* ..... Pa Baltic amber

† ***Palaeodictyna* Wunderlich, 1988** ..... **Neogene**

890. *Palaeodictyna intermedia* Wunderlich, 1988 ..... Ne Dominican amber

891. *Palaeodictyna longispina* Wunderlich, 1988 ..... Ne Dominican amber

892. *Palaeodictyna singularis* Wunderlich, 1988 ..... Ne Dominican amber

893. *Palaeodictyna spiculum* Wunderlich, 1988 ..... Ne Dominican amber

894. *Palaeodictyna termitophila* Wunderlich, 1988* ..... Ne Dominican amber

895. *Palaeodictyna unispina* Wunderlich, 1988 ..... Ne Dominican amber

† ***Palaeolathys* Wunderlich, 1986** ..... **Neogene**

896. *Palaeolathys circumductus* Wunderlich, 1988 ..... Ne Dominican amber

897. *Palaeolathys copalis* Wunderlich, 1986 ..... Qt Dominican copal

898. *Palaeolathys quadruplex* Wunderlich, 1988 ..... Ne Dominican amber

899. *Palaeolathys similis* Wunderlich, 1988 ..... Ne Dominican amber

900. *Palaeolathys spinosa* Wunderlich, 1986* ..... Ne Dominican amber

Palaeolathys sp. *in* Wunderlich (1988) ..... Ne Dominican amber

† ***Protomastigusa* Wunderlich, 2004*v*** ..... **Palaeogene**

901. *Protomastigusa composita* Wunderlich, 2004*v* ..... Pa Baltic amber

† ***Scopulyna*** **Wunderlich, 2004*v*** ..... **Palaeogene**

902. *Scopulyna cursor* Wunderlich, 2004*v* ..... Pa Baltic amber

† ***Succinya*** **Wunderlich, 1988** ..... **Neogene**

903. *Succinya longembolus* Wunderlich, 1988 ..... Ne Dominican amber

904. *Succinya pulcher* Wunderlich, 1988* ..... Ne Dominican amber

905. *Succinya spinipalpus* Wunderlich, 1988 ..... Ne Dominican amber

Thallumetus **Simon, 1892*b*** ..... **Subrecent – Recent**

906. *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 sp. *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*)

907. *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

MITURGIDAE Simon, 1885*a* ..... **Neogene – Recent**

= CHEIRACANTHIDAE Wagner, 1887

Strotarchus **Simon, 1888** ..... **Neogene – Recent**

= † *Mimeutychurus* Petrunkevitch, 1963 [tentative synonomy]

908. *Strotarchus heidti* Wunderlich, 1988 ..... Ne Dominican amber

909. *Strotarchus paradoxus* (Petrunkevitch, 1963) ..... Ne Chiapas amber

ANYPHAENIDAE Bertkau, 1878a ..... **Palaeogene – Recent**

= AMAUROBIOIDIDAE Hickman, 1949

Anyphaena **Sundevall, 1833** ..... **Palaeogene – Recent**

910. '*Anyphaena*' *fuscata* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

Anyphaenoides **Berland, 1913** ..... **Neogene – Recent**

911. *Anyphaenoides bulla* (Wunderlich, 1988) ..... Ne Dominican amber

Lupettiana **Brescovit, 1997** ..... **Neogene – Recent**

912. *Lupettiana ligula* (Wunderlich, 1988) ..... Ne Dominican amber

***Wulfila* O. P.-Cambridge, 1895** ..... **Neogene – Recent**

913. *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**

914. *Apostenus arnoldorum* Wunderlich, 2004*ag* ..... Pa Baltic amber

915. *Apostenus bigibber* Wunderlich, 2004*ag* ..... Pa Baltic / Bitt. amber

916. *Apostenus spinimanus* (C. L. Koch & Berendt, 1854) ..... Pa Baltic amber

***Donuea* Strand, 1932** ..... **Quaternary – Recent**

917. *Donuea collustrata* Bosselaers & Dierick, 2010 **[Recent]** ..... Qt – R Madagascar

† ***Palaeospinisoma* Wunderlich, 2004*ag*** ..... **Palaeogene**

918. *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**

919. *Concursator nudipes* Petrunkevitch, 1958* ..... Pa Baltic amber

† ***Systariella* Wunderlich, 2004*af*** ..... **Palaeogene**

920. *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, 1804a** ..... **Palaeogene – Recent**

921. *Clubiona arcana* Scudder, 1890*a* ..... Pa Florissant

922. *Clubiona attenuata* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

923. *Clubiona curvispinosa* Petrunkevitch, 1922 ..... Pa Florissant

924. *Clubiona florissanti* Petrunkevitch, 1922 ..... Pa Florissant

925. *Clubiona lanata* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

926. *Clubiona microphthalma* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

927. *Clubiona pubescens* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

928. *Clubiona sericea* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

929. *Clubiona tomentosa* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

† ***Desultor* Petrunkevitch, 1942** ..... **Palaeogene**

930. *Desultor depressus* Petrunkevitch, 1942 ..... Pa Baltic amber

***Elaver* O. P.-Cambridge, 1898** ..... **Neogene – Recent**

931. *Elaver nutua* (Wunderlich, 1988) ..... Ne Dominican amber

† ***Eobumbatrix* Petrunkevitch, 1922** ..... **Palaeogene**

932. *Eobumbatrix latebrosa* (Scudder, 1890*a*)* ..... Pa Florissant

† ***Eodoter*** **Petrunkevitch, 1958** ..... **Palaeogene**

933. *Eodoter eopala* Wunderlich, 2004*af* ..... Pa Baltic amber

934. *Eodoter lonimammillae* Wunderlich, 2012*c* ..... Pa Baltic amber

935. *Eodoter magnificus* Petrunkevitch, 1958* ..... Pa Baltic amber

936. *Eodoter scutatus* Wunderlich, 2011*d* ..... Pa Baltic amber

937. *?Eodoter tibialis* Wunderlich, 2011*d* ..... Pa Baltic amber

† ***Eostentatrix*** **Petrunkevitch, 1922** ..... **Palaeogene**

938. *Eostentatrix cockerelli* Petrunkevitch, 1922 ..... Pa Florissant

939. *Eostentatrix ostentata* (Scudder, 1890*a*)* ..... Pa Florissant

† ***Eoversatrix*** **Petrunkevitch, 1922** ..... **Palaeogene**

940. *Eoversatrix eversa* (Scudder, 1890*a*)* ..... Pa Florissant

† ***Machilla*** **Petrunkevitch, 1958** [family uncertain] ..... **Palaeogene**

941. *Machilla setosa* Petrunkevitch, 1958* ..... Pa Baltic amber

† ***Massula*** **Petrunkevitch, 1942** [family uncertain] ..... **Palaeogene**

942. *Massula klebsi* Petrunkevitch, 1942* ..... Pa Baltic amber

† ***Prosocer*** **Petrunkevitch, 1963** ..... **Neogene**

943. *Prosocer mollis* Petrunkevitch, 1963* ..... Ne Chiapas amber

Clubionidae *incertae sedis*

† ***Chiapasona*** **Petrunkevitch, 1963** ..... **Neogene**

944. *Chiapasona defuncta* Petrunkevitch, 1963* ..... Ne Chiapas amber

CORINNIDAE Karsch, 1880*a* ..... **Palaeogene – Recent**

= MYRMECIIDAE C. L. Koch, 1851 [name already used for ants]

† ***Ablator*** **Petrunkevitch, 1942** ..... **Palaeogene**

= † *Abliguritor* Petrunkevitch, 1942

945. *Ablator biguttatus* Wunderlich, 2004*ah* ..... Pa Baltic amber

946. *Ablator curvatus* Wunderlich, 2004*ah* ..... Pa Baltic amber

947. *Ablator deminuens* Wunderlich, 2004*ah* ..... Pa Baltic amber

948. *Ablator depressus* Wunderlich, 2004*ah* ..... Pa Baltic amber

949. *Ablator duomammillae* Wunderlich, 2004*ah* ..... Pa Baltic amber

950. *Ablator felix* (Petrunkevitch, 1958) ..... Pa Baltic amber

951. *Ablator inevolvens* Wunderlich, 2004*ah* ..... Pa Baltic amber

952. *Ablator longus* Wunderlich, 2004*ah* ..... Pa Baltic amber

953. *Ablator nonguttatus* Wunderlich, 2004*ah* ..... Pa Baltic amber

954. *Ablator parvus* Wunderlich, 2004*ah* ..... Pa Baltic amber

955. *Ablator plumosus* (Petrunkevitch, 1950) ..... Pa Baltic amber

956. *Ablator robustus* Wunderlich, 2004*ah* ..... Pa Baltic amber

957. *Ablator scutatus* Wunderlich, 2004*ah* ..... Pa Baltic amber

958. *Ablator splendens* Wunderlich, 2004*ah* ..... Pa Baltic amber

959. *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**

960. *Alterphrurolithus longipes* Wunderlich, 2004*ah* ..... Pa Baltic amber

Castianeira* Keyserling, 1880*b ..... **Neogene – Recent**

961. *Castianeira tenebricosa* Wunderlich, 1988 ..... Ne Dominican amber

† ***Chemmisomma* Wunderlich, 1988** ..... **Neogene**

962. *Chemmisomma dubia* Wunderlich, 1988* ..... Ne Dominican amber

Corinna* C. L. Koch, 1842*a ..... **Neogene – Recent**

963. *Corinna flagelliformis* Wunderlich, 1988 ..... Ne Dominican amber

† ***Cornucymbium* Wunderlich, 2004*ah*** ..... **Palaeogene**

964. *Cornucymbium insolens* Wunderlich, 2004*ah** ..... Pa Baltic amber

† ***Cryptoplanus* Petrunkevitch, 1958** ..... **Palaeogene**

965. *Cryptoplanus bulbosus* Wunderlich, 2004*ah* ..... Pa Baltic amber

966. *Cryptoplanus complicatus* Wunderlich, 2004*ah* ..... Pa Baltic amber

967. *Cryptoplanus incidens* Wunderlich, 2004*ah* ..... Pa Baltic amber

968. *Cryptoplanus lanatus* (Petrunkevitch, 1958) ..... Pa Baltic amber

969. *Cryptoplanus paradoxus* Petrunkevitch, 1958* ..... Pa Baltic amber

970. *Cryptoplanus sericatus* (C. L. Koch & Berendt, 1854) ..... Pa Baltic amber

971. *Cryptoplanus sinuosus* Wunderlich, 2004*ah* ..... Pa Baltic amber

Cryptoplanus sp. *in* Wunderlich (2004*ah*) ..... Pa Baltic amber

† ***Eomazax* Petrunkevitch, 1958** ..... **Palaeogene**

972. *Eomazax pulcher* Petrunkevitch, 1958* ..... Pa Baltic amber

Megalostrata* Karsch, 1880*a ..... **Neogene – Recent**

973. *Megalostrata grandis* Wunderlich, 1988 ..... Ne Dominican amber

† ***Myrmecorinna* Wunderlich, 2004*ah*** ..... **Palaeogene**

974. *Myrmecorinna gracilis* Wunderlich, 2004*ah** ..... Pa Baltic amber

† ***Palpiraptor* Wunderlich, 2011*f*** ..... **Quaternary**

975. *Palpiraptor myrmarachnoides* Wunderlich, 2011*f** ..... Qt Madagascar copal

Phrurolithus* C. L. Koch, 1839*b ..... **Palaeogene**

976. *Phrurolithus extinctus* Petrunkevitch, 1958 ..... Pa Baltic amber

977. *Phrurolithus fossilis* Petrunkevitch, 1958 ..... Pa Baltic amber

978. *Phrurolithus ipseni* Petrunkevitch, 1958 ..... Pa Baltic amber

† ***Protoorthobula* Wunderlich, 2004*ah*** ..... **Palaeogene**

979. *Protoorthobula bifida* Wunderlich, 2004*ah** ..... Pa Baltic amber

980. *Protoorthobula deelemani* Wunderlich, 2004*ah* ..... Pa Baltic / Bitt. amber

***Trachelas* L. Koch, 1872** ..... **Neogene**

981. *Trachelas poinari* Penney, 2001 ..... Ne Dominican 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**

982. *Adjutor deformis* Petrunkevitch, 1958 ..... Pa Baltic amber

983. *Adjutor mirabilis* Petrunkevitch, 1942* ..... Pa Baltic amber

† ***Admissor*** **Petrunkevitch, 1942** ..... **Palaeogene**

984. *Admissor aculeatus* Petrunkevitch, 1942* ..... Pa Baltic amber

† ***Adorator*** **Petrunkevitch, 1942** ..... **Palaeogene**

985. *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

986. *Adorator samlandicus* Petrunkevitch, 1942 ..... Pa Baltic amber

† ***Angusdarion*** **Wunderlich, 2004*ae*** ..... **Palaeogene**

987. *Angusdarion humilis* Wunderlich, 2004*ae** ..... Pa Baltic amber

† ***Anniculus*** **Petrunkevitch, 1942** ..... **Palaeogene**

988. *Anniculus balticus* Petrunkevitch, 1942* ..... Pa Baltic amber

† ***Eocydrele*** **Petrunkevitch, 1958** ..... **Palaeogene**

989. *Eocydrele mortua* Petrunkevitch, 1958* ..... Pa Baltic amber

† ***Propago*** **Petrunkevitch, 1963** ..... **Neogene**

990. *Propago debilis* Petrunkevitch, 1963* ..... Ne Chiapas amber

† ***Spinizodarion*** **Wunderlich, 2004*ae*** ..... **Palaeogene**

991. *Spinizodarion ananulum* Wunderlich, 2004*ae** ..... Pa Baltic amber

† ***Zodariodamus*** **Wunderlich 2004*ae*** ..... **Palaeogene**

992. *Zodariodamus recurvatus* Wunderlich 2004*ae** ..... Pa Baltic amber

PENESTOMIDAE Simon, 1903 ..... **Recent**

no fossil record

† **EPHALMATORIDAE Petrunkevitch, 1950** ..... **Palaeogene**

† ***Ephalmator*** **Petrunkevitch, 1950** ..... **Palaeogene**

993. *Ephalmator bitterfeldensis* Wunderlich, 2004*ad* ..... Pa Bitterfeld amber

994. *Ephalmator calidus* Wunderlich, 2004*ad* ..... Pa Baltic amber

995. *Ephalmator debilis* Wunderlich, 2004*ad* ..... Pa Baltic amber

996. *Ephalmator distinctus* Wunderlich, 2004*ad* ..... Pa Baltic amber

997. *Ephalmator ellwangeri* Wunderlich, 2004*ad* ..... Pa Baltic amber

998. ?*Ephalmator eximius* Petrunkevitch, 1958 ..... Pa Baltic amber

999. *Ephalmator fossilis* Petrunkevitch, 1950* ..... Pa Baltic amber

1000. *Ephalmator kerneggeri* Wunderlich, 2004*ad* ..... Pa Baltic amber

1001. *Ephalmator petrunkevitchi* Wunderlich, 2004*ad* ..... Pa Baltic amber
1002. *Ephalmator ruthildae* Wunderlich, 2004*ad* ..... Pa Baltic amber
1003. *Ephalmator tredecim* Wunderlich, 2012*c* ..... Pa Baltic amber
1004. *Ephalmator trudis* Wunderlich, 2004*ad* ..... Pa Baltic amber
1005. *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**
1006. *Eotrochanteria kruegeri* Wunderlich, 2004*am** ..... Pa Baltic amber
† ***Sosybius* C. L. Koch & Berendt, 1854** ..... **Palaeogene**
= † *Adamator* Petrunkevitch, 1942
= † *Adjunctor* Petrunkevitch, 1942
= † *Adulatrix* Petrunkevitch, 1942
1007. *Sosybius berendti* Wunderlich, 2004*am* ..... Pa Baltic amber
1008. *Sosybius decumana* (C. L. Koch & Berendt, 1854) ..... Pa Baltic amber
1009. *Sosybius falcatus* Wunderlich, 2004*am* ..... Pa Baltic amber
1010. *Sosybius fusca* (Petrunkevitch, 1942) ..... Pa Baltic amber
1011. *Sosybius kochi* Wunderlich, 2004*am* ..... Pa Baltic amber
1012. *Sosybius lateralis* Wunderlich, 2004*am* ..... Pa Baltic amber
1013. *Sosybius longipes* Wunderlich, 2004*am* ..... Pa Baltic amber
1014. *Sosybius major* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber
1015. *Sosybius minor* C. L. Koch & Berendt, 1854* ..... Pa Baltic amber
1016. *Sosybius mizgirisi* Wunderlich, 2004*am* ..... Pa Baltic amber
1017. *Sosybius parva* (Petrunkevitch, 1942) ..... Pa Baltic amber
1018. *Sosybius perniciosus* Wunderlich, 2004*am* ..... Pa Baltic amber

1019. *Sosybius rufa* (Petrunkevitch, 1942) ..... Pa Baltic amber
1020. *Sosybius similis* Petrunkevitch, 1942 ..... Pa Baltic amber
1021. *Sosybius succineus* (Petrunkevitch, 1942) ..... Pa Baltic amber
1022. *Sosybius tibialis* Wunderlich, 2004*am* ..... Pa Baltic amber
1023. *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]

1024. *Thereola petiolata* (C. L. Koch & Berendt, 1854)* [♀ = ?*Dasuminia* sp. according to Wunderlich 2004*b*] ..... Pa Baltic amber
1025. *Thereola pubescens* (Menge *in* C. L. Koch & Berendt, 1854) ..... Pa Baltic amber

† ***Trochanteridromulus*** **Wunderlich, 2004*am*** ..... **Palaeogene**

1026. *Trochanteridromulus glabripes* Wunderlich, 2004*am** ..... Pa Baltic amber

† ***Trochanteridromus*** **Wunderlich, 2004*am*** ..... **Palaeogene**

1027. *Trochanteridromus scutatus* Wunderlich, 2004*am** ..... Pa Baltic amber

† ***Veterator*** **Petrunkevitch, 1963** ..... **Neogene**

1028. *Veterator angustus* Wunderlich, 1988 ..... Ne Dominican amber
1029. *Veterator ascutum* Wunderlich, 1988 ..... Ne Dominican amber
1030. *Veterator extinctus* Petrunkevitch, 1963* ..... Ne Chiapas amber
1031. *Veterator incompletus* Wunderlich, 1982 ..... Ne Dominican amber
1032. *Veterator longipes* Wunderlich, 1988 ..... Ne Dominican amber
1033. *Veterator loricatus* Wunderlich, 1988 ..... Ne Dominican amber
1034. *Veterator porrectus* Wunderlich, 1988 ..... Ne Dominican amber
1035. *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**

1036. *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**

1037. *Captrix lineata* (C. L. Koch & Berendt, 1854)* ..... Pa Baltic amber

Drassodes **Westring, 1851** ..... **Palaeogene – Recent**

1038. *Drassodes cupreus* (Blackwall, 1834*a*) **[Recent]** ..... Qt England
1039. ?*Drassodes femurus* Lin, Zhang & Wang, 1989 ..... Ne Shanwang
1040. ?*Drassodes sextii* Berland, 1939 ..... Pa Aix-en-Provence

† ***Drassyllinus*** **Wunderlich, 1988** ..... **Neogene**

1041. *Drassyllinus aliter* Wunderlich, 1988* ..... Ne Dominican amber

† ***Eognaphosops*** **Wunderlich, 2011*b*** ..... **Palaeogene**

1042. *Eognaphosops cryptoplanoides* Wunderlich 2011*b** ..... Pa Baltic amber

† ***Eomactator*** **Petrunkevitch, 1958** ..... **Palaeogene**

1043. *Eomactator hamatus* Wunderlich, 2011*b* ..... Pa Baltic amber

1044. *Eomactator hirsutipes* Wunderlich, 2011*b* ..... Pa Baltic amber

1045. *Eomactator mactatus* Petrunkevitch, 1958* ..... Pa Baltic amber

1046. *Eomactator obscurior* Wunderlich, 2011*b* ..... Pa Baltic amber

Gnaphosa **Latreille, 1804a** ..... **?Cretaceous – Recent**

1047. *Gnaphosa affinis* (C. L. Koch & Berendt, 1854) ..... Pa Baltic amber

i. = *Philodromus dubius* C. L. Koch & Berendt, 1854

1048. *Gnaphosa ambigua* (C. L. Koch & Berendt, 1854) ..... Pa Baltic amber

1049. *Gnaphosa liaoningensis* Chang, 2004

[generic assignment unreliable!] ..... K Jehol biota

Micaria **Westring, 1851** ..... **Palaeogene – Recent**

1050. *Micaria procera* C. L. Koch & Berendt, 1954 ..... Pa Baltic amber

1051. *Micaria tenella* Heer, 1865 ..... Ne Öhningen

† ***Palaeodrassus*** **Petrunkevitch, 1922** ..... **Palaeogene**

1052. *Palaeodrassus cockerelli* Petrunkevitch, 1922 ..... Pa Florissant

1053. *Palaeodrassus florissanti* Petrunkevitch, 1922 ..... Pa Florissant

1054. *Palaeodrassus hesternus* (Scudder, 1890*a*) ..... Pa Florissant

1055. *Palaeodrassus ingenuus* (Scudder, 1890*a*)* ..... Pa Florissant

1056. *Palaeodrassus interitus* (Scudder, 1890*a*) ..... Pa Florissant

Scopoides **Platnick, 1989** ..... **Palaeogene – Recent**

1057. *Scopoides dominicanus* Wunderlich, 2011*g* ..... Ne Dominican amber

Zelotes **Gistel, 1848** ..... **Palaeogene**

1058. *Zelotes concinna* (C. L. Koch & Berendt, 1854) ..... Pa Baltic amber

1059. *Zelotes mundula* (C. L. Koch & Berendt, 1854) ..... Pa Baltic amber

i. = *Melanophora nobilis* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

1060. *Zelotes regalis* (C. L. Koch & Berendt, 1854) ..... Pa Baltic amber

† ***Zelotetis*** **Wunderlich, 2011*b*** ..... **Palaeogene**

1061. *Zelotetis calefacta* Wunderlich, 2011*b* ..... Pa Baltic amber

SELENOPIDAE Simon, 1897a ..... **Palaeogene – Recent**

† ***Garcorops*** **Corronca, 2003** ..... **Quaternary – Recent**

1062. *Garcorops jadis* Bosselaers, 2004 ..... Qt Madagascar copal

i. = *?Anyphops cortex* Wunderlich, 2004*as* ..... Qt Madagascar copal

Selenops **Latreille, 1819** ..... **Palaeogene – Recent**

1063. *Selenops benoiti* Wunderlich, 2004*as* ..... Qt Madagascar copal

1064. *Selenops beynai* Schawaller, 1984 ..... Ne Dominican amber

1065. *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**

1066. *Caduceator minutus* Petrunkevitch, 1942* ..... Pa Baltic amber

1067. *Caduceator quadrimaculatus* Petrunkevitch, 1950 ..... Pa Baltic amber

† ***Collacteus*** **Petrunkevitch, 1942** ..... **Palaeogene**

1068. *Collacteus captivus* Petrunkevitch, 1942* ..... Pa Baltic amber

† ***Eostaianus*** **Petrunkevitch, 1950** ..... **Palaeogene**

1069. *Eostaianus succini* Petrunkevitch, 1950* ..... Pa Baltic amber

† ***Eostasina*** **Petrunkevitch, 1942** ..... **Palaeogene**

1070. *Eostasina aculeata* Petrunkevitch, 1942* ..... Pa Baltic amber

Eusparassus **Simon 1903** ..... **Palaeogene – Recent**

1071. *Eusparassus crassipes* (C. L. Koch & Berendt, 1854) ..... Pa Baltic amber

Heteropoda **Latreille, 1804*a*** ..... **Palaeogene – Recent**

= † *Retina* Hong, 1985

1072. *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**

1073. *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.]

1074. *Zachria desiderabilis* Petrunkevitch, 1950 ..... Pa Baltic amber

1075. *Zachria peculiata* Petrunkevitch, 1946 ..... Pa Baltic amber

1076. *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**

1077. *Cretadromus liaoningensis* Cheng, Shen & Gao, 2009 ..... K Liaoning Province

[NB: Wunderlich (2012*d*) suggested this could be a Theridosomatidae]

† ***Eothanatus*** **Petrunkevitch, 1950** ..... **Palaeogene – Recent**

1078. *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

Coriarachne* Thorell, 1870*b ..... **Quaternary – Recent**

Coriarachne sp. *in* Cutler (1970) ..... Qt Wyoming

† ***Ecotona* Lin, Zhang & Wang, 1989 [*ex* Araneidae]** ..... **Neogene**

1079. *Ecotona brunnea* Zhang, Sun & Zhang, 1994 ..... Ne Shanwang

1080. *Ecotona pilulifera* Zhang, Sun & Zhang, 1994 ..... Ne Shanwang

1081. *Ecotona transipeda* Lin, Zhang & Wang, 1989* ..... Ne Shanwang

† ***Facundia* Petrunkevitch, 1942** ..... **Palaeogene**

1082. *Facundia clara* Petrunkevitch, 1942* ..... Pa Baltic amber

† ***Fiducia* Petrunkevitch, 1950** ..... **Palaeogene**

1083. *Fiducia tenuipes* Petrunkevitch, 1950* ..... Pa Baltic amber

† ***Filiolella* Petrunkevitch, 1955*a*** ..... **Palaeogene**

= † *Filiola* Petrunkevitch, 1942 [preoccupied]

1084. *Filiolella argentata* (Petrunkevitch, 1942)* ..... Pa Baltic amber

† ***Heterotmarus* Wunderlich, 1988** ..... **Neogene**

1085. *Heterotmarus altus* Wunderlich, 1988* ..... Ne Dominican amber

† ***Komisumena* Ono, 1981** ..... **Neogene**

1086. *Komisumena rosae* Ono, 1981* ..... Ne Dominican amber

† ***Miothomisus* Zhang, Sun & Zhang, 1994** ..... **Neogene**

1087. *Miothomisus subnudus* Zhang, Sun & Zhang, 1994 ..... Ne Shanwang

1088. *Miothomisus sylvaticus* Zhang, Sun & Zhang, 1994* ..... Ne Shanwang

***Misumena* Latreille, 1804a** ..... **Palaeogene – Recent**

1089. *Misumena samlandica* Petrunkevitch, 1942 ..... Pa Baltic amber

† ***Palaeoxysticus* Wunderlich, 1985** ..... **Neogene**

1090. *Palaeoxysticus extinctus* Wunderlich, 1985 ..... Ne Randecker Maar

† ***Parvulus* Zhang, Sun & Zhang, 1994** ..... **Neogene**

1091. *Parvulus latissimus* Zhang, Sun & Zhang, 1994* ..... Ne Shanwang

† ***Succinaenigma* Wunderlich, 2004*ap*** ..... **Palaeogene**

1092. *Succinaenigma raptor* Wunderlich, 2004*ap** ..... Pa Baltic amber

† ***Succiniraptor* Wunderlich, 2004*ao*** ..... **Palaeogene**

1093. *Succiniraptor radiatus* (C. L. Koch & Berendt, 1854) ..... Pa Baltic amber

i. = *Succiniraptor paradoxus* Wunderlich, 2004*ao** ..... Pa Baltic amber

***Synema* Simon, 1864** ..... **Palaeogene – Recent**

1094. *Synema enigmaticum* Berland, 1939 ..... Pa Aix-en-Provence

† ***Syphax* C. L. Koch & Berendt, 1854** ..... **Palaeogene**

1095. *Syphax asper* Petrunkevitch, 1950 ..... Pa Baltic amber

1096. *Syphax crassipes* Petrunkevitch, 1942 ..... Pa Baltic amber

1097. *Syphax fuliginosus* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

1098. *Syphax gracilis* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

1099. *Syphax megacephalus* C. L. Koch & Berendt, 1854* ..... Pa Baltic amber

1100. *Syphax thoracicus* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

† ***Thomisidites* Straus, 1967** ..... **Neogene**

1101. *Thomisidites hercynicus*, Straus, 1967* ..... Ne Willershausen

† ***Thomisiraptor* Wunderlich, 2004ap** ..... **Palaeogene**

1102. *Thomisiraptor liedtkei* Wunderlich, 2004*ap** ..... Pa Baltic amber

***Thomisus* Walckenaer, 1805** ..... **Palaeogene – Recent**

1103. *Thomisus defossus* Scudder, 1890*a* ..... Pa Florissant

1104. *Thomisus disjunctus* Scudder, 1890*a* ..... Pa Florissant

1105. *Thomisus lividus* Heer, 1865 ..... Ne Öhningen

1106. *Thomisus resutus* Scudder, 1890*a* ..... Pa Florissant

1107. *Thomisus sulzeri* Heer, 1865 ..... Ne Öhningen

***Xysticus* C. L. Koch, 1835** ..... **Palaeogene – Recent**

1108. ?*Xysticus annulipes* Bertkau, 1878*b* ..... Ne Rott, Germany

1109. *Xysticus archaeopalpus* Leech & Matthews, 1971 ..... Ne Alaska

1110. *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**

1111. *Almolinus bitterfeldensis* Wunderlich, 2004*aq* ..... Pa Bitterfeld amber

1112. *Almolinus clarus* Petrunkevitch, 1958* ..... Pa Baltic amber

1113. *Almolinus ligula* Wunderlich, 2004*aq* ..... Pa Baltic amber

?*Almolinus* sp. *in* Wunderlich (2004*aq*) ..... Pa Baltic amber

† ***Attoides* Brongniart, 1877** ..... **Palaeogene**

1114. *Attoides eresiformis* Brongniart, 1877 ..... Pa Aix-en-Provence

† ***Calilinus* Wunderlich, 2004*aq*** ..... **Palaeogene**

1115. *Calilinus fleissneri* Wunderlich, 2004*aq** ..... Pa Baltic amber

† ***Cenattus* Petrunkevitch, 1942** ..... **Palaeogene**

1116. *Cenattus exophthalmicus* Petrunkevitch, 1942* ..... Pa Baltic amber

***Corythalia* C. L. Koch, 1851** ..... **Neogene – Recent**

1117. *Corythalia ocululiter* Wunderlich, 1988 ..... Ne Dominican amber

1118. *Corythalia pilosa* Wunderlich, 1982 ..... Ne Dominican amber

1119. *Corythalia scissa* Wunderlich, 1988 ..... Ne Dominican amber

† ***Descangeles* Wunderlich, 1988** ..... **Neogene**

1120. *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**

1121. *Distanilinus filum* Wunderlich, 2004*aq* ..... Pa Baltic amber

1122. *Distanilinus nutus* Wunderlich, 2004*aq** ..... Pa Baltic amber

1123. *Distanilinus paranutus* Wunderlich, 2004*aq* ..... Pa Baltic amber

1124. *Distanilinus pernutus* Wunderlich, 2004*aq* ..... Pa Baltic amber

† ***Eoattopsis* Gourret, 1887** ..... **Palaeogene**

1125. *Eoattopsis hirsutus* Gourret, 1887* ..... Pa Aix-en-Provence

† ***Eolinus* Petrunkevitch, 1942** ..... **Palaeogene**

1126. *Eolinus balticus* Żabka, 1988 ..... Pa Baltic amber

1127. *Eolinus fungus* Wunderlich, 2004*aq* ..... Pa Baltic amber

1128. *Eolinus insuriens* Wunderlich, 2004*aq* ..... Pa Baltic amber

1129. *Eolinus prominens* Wunderlich, 2004*aq* ..... Pa Baltic amber

1130. *Eolinus samlandica* Wunderlich, 2004*aq* ..... Pa Baltic amber

1131. *Eolinus succineus* Petrunkevitch, 1942* ..... Pa Baltic amber

1132. *Eolinus theryi* Petrunkevitch, 1942 ..... Pa Baltic amber

1133. *Eolinus theryoides* Wunderlich, 2004*aq* ..... Pa Baltic amber

1134. *Eolinus tystschenkoi* Proszynski & Żabka, 1980 ..... Pa Baltic amber

1135. *Eolinus vates* Wunderlich, 2004*aq* ..... Pa Baltic amber

Eolinus sp. *in* Wunderlich (2004*aq*) ..... Pa Baltic amber

***Euophrys* C. L. Koch, 1834** ..... **Palaeogene – Recent**

1136. *Euophrys gibberula* (C. L. Koch & Berendt, 1854) ..... Pa Baltic amber

1137. *Euophrys randeckensis* Schawaller & Ono, 1979 ..... Ne Randecker Maar

† ***Evagoratus* Zhang, Sun & Zhang, 1994** ..... **Neogene**

1138. *Evagoratus longicruris* Zhang, Sun & Zhang, 1994 ..... Ne Shanwang

† ***Gorgopsidis* Wunderlich, 2004*aq*** ..... **Palaeogene**

1139. *Gorgopsidis bechlyi* Wunderlich, 2004*aq** ..... Pa Baltic amber

† ***Gorgopsina* Petrunkevitch, 1955a** ..... **Palaeogene**

1140. *Gorgopsina amabilis* Wunderlich, 2004*aq* ..... Pa Baltic amber

1141. *Gorgopsina constricta* Wunderlich, 2004*aq* ..... Pa Baltic amber

1142. *Gorgopsina expandens* Wunderlich, 2004*aq* ..... Pa Baltic amber

1143. '*Gorgopsina*' *fasciata* (C. L. Koch & Berendt, 1854) ..... Pa Baltic amber

1144. *Gorgopsina flexuosa* Wunderlich, 2004*aq* ..... Pa Baltic amber
1145. *Gorgopsina formosa* (C. L. Koch & Berendt, 1854) ..... Pa Baltic amber
1146. *Gorgopsina fractura* Wunderlich, 2004*ar* ..... Pa Rovno amber
1147. *Gorgopsina frenata* (C. L. Koch & Berendt, 1854)* ..... Pa Baltic amber
1148. *Gorgopsina inclusa* Wunderlich, 2004*aq* ..... Pa Baltic amber
1149. *Gorgopsina jucunda* (Petrunkevitch, 1942) ..... Pa Baltic amber
1150. *Gorgopsina marginata* (C. L. Koch & Berendt, 1854) ..... Pa Baltic amber
1151. *Gorgopsina melanocephala* (C. L. Koch & Berendt, 1854) ..... Pa Baltic amber
1152. *Gorgopsina naumanni* Giebel, 1856 ..... Pa Baltic amber
1153. *Gorgopsina paulula* (C. L. Koch & Berendt, 1854) ..... Pa Baltic amber
1154. *Gorgopsina rectangularis* Wunderlich, 2011*h* ..... Pa Baltic amber
1155. *Gorgopsina speciosa* Wunderlich, 2004*aq* ..... Pa Baltic amber

***Heliophanus* C. L. Koch, 1833** ..... **Palaeogene – Recent**

1156. *Heliophanus extinctus* Berland, 1939 ..... Pa Aix-en-Provence

***Hyllus* C. L. Koch, 1846** ..... **Quaternary – Recent**

= † *Parevophrys* Petrunkevitch, 1942

1157. *Hyllus succini* (Petrunkevitch, 1942) ..... Qt Copal

Originally described as Baltic amber

***Lyssomanes* Hentz, 1845** ..... **Neogene – Recent**

1158. *Lyssomanes pristinus* Wunderlich, 1986 ..... Ne Dominican amber
i. = *Lyssomanes galianoae* Reiskind, 1989 ..... Ne Dominican amber
1159. *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**

1160. *Microlinus calidus* Wunderlich, 2004*aq* ..... Pa Baltic amber
1161. *Microlinus folium* Wunderlich, 2004*aq** ..... Pa Baltic amber

***Myrmarachne* MacLeay, 1839** ..... **Quaternary – Recent**

= † *Entomocephalus* Holl, 1829 [suppressed; see ICZN Opinion 2258]

1162. *Myrmarachne formicoides* (Holl, 1829) ..... ?Qt Copal [?not amber]

Neon* Simon, 1876*a ..... **Quaternary – Recent**

1163. *Neon* ?*reticulatus* (Blackwall, 1853) **[Recent]** ..... Qt England

† ***Paralinus* Petrunkevitch, 1942** ..... **Palaeogene**

1164. *Paralinus crosbyi* Petrunkevitch, 1942* ..... Pa Baltic amber

† ***Pensacolatus* Wunderlich, 1988** ..... **Neogene**

1165. *Pensacolatus coxalis* Wunderlich, 1988* ..... Ne Dominican amber
1166. *Pensacolatus spinipes* Wunderlich, 1988 ..... Ne Dominican amber
1167. ?*Pensacolatus tibialis* Wunderlich, 2004*aq* ..... Ne Dominican amber
Pensacolatus sp. *in* Wunderlich (1988) ..... Ne Dominican amber

***Phidippus* C. L. Koch, 1846** ..... **Palaeogene**

1168. *Phidippus impressus* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

1169. *Phidippus pusillus* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

† ***Phlegrata* Wunderlich, 1988** ..... **Neogene**

1170. *Phlegrata pala* Wunderlich, 1988* ..... Ne Dominican amber

† ***Prolinus* Petrunkevitch, 1958** ..... **Palaeogene**

1171. *Prolinus fossilis* Petrunkevitch, 1958* ..... Pa Baltic amber

† ***Salticidites* Straus, 1967** ..... **Neogene**

1172. *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]

1173. *Steneattus promissa* (C. L. Koch & Berendt, 1854)* ..... Pa Baltic amber

***Thiodina* Simon, 1900** ..... **Neogene**

1174. *Thiodina beugelorum* Wolff, 1990 ..... Ne Dominican amber

Araneomorphae *incertae sedis*

† ***Elvina* Thorell, 1870*b*** ..... **Neogene**

1175. *Elvina antiqua* (von Heyden, 1859) ..... Ne Linz am Rhein

Araneae *incerate sedis*

Araneae gen. et sp. nov. *in* Ansorge (2003) ..... J Grimmen, Germany

† ***Amphiclotho* Gourret, 1887** ..... **Palaeogene**

1176. *Amphiclotho breviuscula* Gourret, 1887* ..... Pa Aix-en-Provence

† ***Amphithomisus* Gourret, 1887** ..... **Palaeogene**

1177. *Amphithomisus barbatus* Gourret, 1887* ..... Pa Aix-en-Provence

† ***Atocatle* Feldmann, Vega, Applegate & Bishop, 1998** [really a spider?] ..... **Cretaceous**

1178. *Atocatle ranulfoi* Feldmann, Vega, Applegate & Bishop, 1998* ..... K Puebla, México

† ***Cercidiella* Gourret, 1887** ..... **Palaeogene**

1179. *Cercidiella aquisextana* Gourret, 1887* ..... Pa Aix-en-Provence

† ***Clubionella* Gourret, 1887** ..... **Palaeogene**

1180. *Clubionella antiqua* Gourret, 1887* ..... Pa Aix-en-Provence

† ***Eresoides* Gourret, 1887** ..... **Palaeogene**

1181. *Eresoides orbicularis* Gourret, 1887* ..... Pa Aix-en-Provence

† ***Hersilioides* Gourret, 1887** ..... **Palaeogene**

1182. *Hersilioides thanatiformis* Gourret, 1887* ..... Pa Aix-en-Provence

† ***Opisthophylax* Menge, 1856** ..... **Palaeogene**

1183. *Opisthophylax exarata* Menge, 1856* ..... Pa Baltic amber

† ***Prodysdera* Gourret, 1887** ..... **Palaeogene**

1184. *Prodysdera intermedia* Gourret, 1887* ..... Pa Aix-en-Provence

† ***Protochersis* Gourret, 1887** ..... **Palaeogene**

1185. *Protochersis spinosus* Gourret, 1887* ..... Pa Aix-en-Provence

† ***Protolachesis*** **Gourret, 1887** ..... **Palaeogene**

1186. *Protolachesis annulata* Gourret, 1887* ..... Pa Aix-en-Provence

† ***Paralycosa*** **Dunlop & Jekel, 2009** ..... **Palaeogene**

= † *Protolycosa* Gourret, 1887 [preoccupied]

1187. *Paralycosa attiformis* (Gourret, 1887)* ..... Pa Aix-en-Provence

† ***Pseudothomisus*** **Gourret, 1887** ..... **Palaeogene**

1188. *Pseudothomisus articulatus* Gourret, 1887* ..... Pa Aix-en-Provence

† ***Schellenbergia*** **Heer, 1865** ..... **Neogene**

1189. *Schellenbergia rotundata* Heer, 1865* ..... Ne Öhningen

† ***Timeropus*** **Thorell, 1891** ..... **Palaeogene**

= † *Lycosoides* Gourret, 1887 [preoccupied]

1190. *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

† ***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 – Carb.**

3. ?*Archaeometa devonica* Størmer, 1976 [unidentifiable] ..... D Alken an der Mosel
4. *Archaeometa nephilina* Pocock, 1911* [not identified] ..... C Coseley

† ***Arachnometa* Petrunkevitch, 1949** ..... **Carboniferous**

5. *Arachnometa tuberculata* Petrunkevitch, 1949* [not identified] ..... C Coseley

† ***Eopholcus* Frič, 1904** ..... **Carboniferous**

6. *Eopholcus pedatus* Frič, 1904* [not identified] ..... C Nýřany

† ***Oichnus* Bromley 1981 [ichnogenus]**..... **Palaeogene**

7. *Oichnus bavincourti* (Vaillant, 1909) [at one stage placed in *Cteniza*] ..... Pa Northern France

† ***Palpipes* Roth, 1854** ..... **Jurassic**

8. *Palpipes cursor* Roth, 1854 [crustacean] ..... J Solnhofen

† ***Palaeocteniza* Hirst, 1923** ..... **Devonian**

9. *Palaeocteniza crassipes* Hirst, 1923* [juvenile trigonotarbid?] ..... D Rhynie chert

† ***Pleurolycosa* Frič, 1904** ..... **Carboniferous**

10. *Pleurolycosa prolifera* (Frič, 1901)* [unidentifiable] ..... C Nýřany

44,540 Recent species according to Platnick (2014)

HAPTOPODA

1 currently valid species of fossil haptopodid

† **HAPTOPODA Pocock, 1911** ..... **Carboniferous**

† **PLESIOSIRONIDAE Pocock, 1911** ..... **Carboniferous**

† ***Plesiosiro* Pocock, 1911** ..... **Carboniferous**

1. *Plesiosiro madeleyi* Pocock, 1911 ..... C Coseley

no Recent species

AMBLYPYGI

9 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

PARACHARONTIDAE Weygoldt, 1996 ..... **Carbon. – Recent**

† ***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

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

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**

6. *Britopygus weygoldti* Dunlop & Martill, 2002 ..... K Crato Formation

† ***Electrophrynus*** **Petrunkevitch, 1971** ..... **Neogene**

7. *Electrophrynus mirus* Petrunkevitch, 1971 ..... Ne Chiapas amber

Phrynus **Lamarck, 1801** ..... **Neogene – Recent**

8. *Phrynus mexicana* Poinar & Brown, 2004 ..... Ne Chiapas amber
9. *Phrynus resinae* (Schawaller, 1979*b*) ..... Ne Dominican amber

NOMEN DUBIUM

1. *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

7 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

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 naufraga* (Brauckmann & Koch, 1983) ..... C Hagen-Vorhalle
4. *Parageralinura neerlandicus* Laurentiaux-Viera & Laurentiaux, 1961..... C Limburg

† ***Proschizomus* Dunlop & Horrocks, 1996** ..... **Carboniferous**

5. *Proschizomus petrunkevitchi* Dunlop & Horrocks, 1996 ..... C Coseley

† ***Prothelyphonus* Frič, 1904** ..... **Carboniferous**

6. *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**

† ***Mesoproctus* Dunlop, 1988** ..... **Cretaceous**

7. *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

103 Recent species according to Harvey (2003)

SCHIZOMIDA

6 currently valid species of fossil schizomid from 6 published names

- 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 and 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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