# A summary list of fossil spiders and their relatives

*compiled by*

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

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

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## INTRODUCTION

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

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

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

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

## PRINCIPAL CHANGES SINCE THE LAST UPDATE

The principal additions in this version include a new genus of stem-deinopoid spider from the Jurassic and Cretaceous of China and new whip scorpion from Cretaceous Burmese amber. New oribatid mites were added from Cretaceous Spanish amber and several corrections to the oribatid mites from two overlooked papers were made. An overlooked fossil pseudoscorpion in Baltic amber was also added.

## ACKNOWLEDGMENTS

We are very grateful to Wolfgang Nentwig and the Bern team for agreeing to host this list as an appendix to the Catalog, to Paul Selden for encouragement 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 were questioned by Bamber (2007)

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

= PEGMATA Fry, 1978

**family uncertain**

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

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

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

no fossil record

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

no fossil record

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

= PASITHOIDAE Sars, 1891

= RHOPALORHYNCHIDAE Fry, 1978

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

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

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

= EURYCIDIDAE Sars, 1891

= OORHYNCHIDAE Schimkewitsch, 1913

= TANYSTYLIDAE Schimkewitsch, 1913

= AMMOTHELLIDAE Fry, 1978

= EPHYROGYMNIDAE Fry, 1978

= PARANYMPHONIDAE Fry, 1978

= SERICOSURIDAE Fry, 1978

= TRYGAEIDAE Fry, 1978

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

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

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

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

= CHEILAPALLENIDAE Fry, 1978

= CLAVIGEROPALLENIDAE Fry, 1978

= HANNONIDAE Fry, 1978

= METAPALLENIDAE Fry, 1978

= QUEUBIDAE Fry, 1978

= STYLOPALLENIDAE Fry, 1978

no fossil record

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

no fossil record

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

no fossil record

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

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

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

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

= ANOPLODACTYLIDAE Fry, 1978

= PHOXIPHILYRIDAE Fry, 1978

no fossil record

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

no fossil record

MISIDENTIFICATIONS

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

*c*. 1,300 Recent species

# (EU)CHELICERATA

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

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

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

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

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

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

**STEM-EUCHELICERATA?**

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

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

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

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

**EUCHELICERATA *INCERTAE SEDIS***

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

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

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

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

# XIPHOSURA *s. lat.*

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

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

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

FAMILY UNSPECIFIED

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

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

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

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

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

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

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

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

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

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

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

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

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

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

FAMILY UNSPECIFIED

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

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

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

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

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

= † *Neolimulus* Woodward, 1868*a*

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

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

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

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

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

= † *Exapinurus* Nieszkowski, 1859

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

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

= † *Hemiaspis* Woodward, 1864 [preoccupied]

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

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

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

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

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

= MEROSTOMATA Dana, 1852

FAMILY UNSPECIFIED

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

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

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

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

NB: Originally described as possible myriapods

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

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

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

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

= † ELLERIDAE Raymond, 1944

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

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

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

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

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

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

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

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

**possible kasibelinurids?**

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

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

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

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

**family uncertain**

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

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

= † EUPROOPIDAE Eller, 1938*b*

= † LIOMESASPIDIDAE Raymond, 1944

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

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

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

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

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

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

= † *Belinurus* König, 1851

= † *Steropsis* Baily, 1869

= † *Koenigiella* Raymond, 1944

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

= † *Prestwichia* Woodward, 1867 [preoccupied]

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

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

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

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

= † *Pringlia* Raymond, 1944

= † *Palatinaspis* Malz & Poschmann, 1993

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

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

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

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

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

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

= † *Neobelinuropsis* Eller, 1938*a*

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

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

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

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

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

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

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

= † MORAVURIDAE Příbyl, 1967

= † DUBBOLIMULIDAE Pickett, 1984

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

= † *Limulites* Schimper, 1853 [preoccupied]

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

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

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

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

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

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

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

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

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

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

= † *Dubbolimulus* Pickett, 1984

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

= † *Heterolimulus* Via Boada & Villalta, 1966

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

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

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

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

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

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

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

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

*INCERTAE SEDIS*

**† *Belinuropsis* Matthew 1910**

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

*NOMEN DUBIUM*

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

*NOMINA NUDA*

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

MISIDENTIFICATIONS

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

4 Recent species

# CHASMATASPIDIDA

11 currently valid species of fossil chasmataspidid

- there are some doubts about the monophyly of Chasmataspidida

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

= † DIPLOASPIDIDA Simonetta & Delle Cave, 1978

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

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

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

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

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

= † HETEROASPIDIDAE Størmer, 1972

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

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

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

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

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

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

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

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

† ***Heteroaspis*** **Størmer, 1972**

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

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

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

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

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

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

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

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

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

no Recent species

# EURYPTERIDA

250 currently valid species of fossil sea scorpion

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

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

= † GIGANTOSTRACA Haeckel, 1866

= † CYRTOCTENIDA Størmer & Waterston, 1968

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

= † WOODWARDOPTERINA Kjellesvig-Waering, 1959

= † HIBBERTOPTERINA Størmer, 1974

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

= † BRACHYOPTERELLOIDEA Tollerton, 1989

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

= † BRACHYOPTERELLIDAE Tollerton, 1989

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

= † LAURIEIPTERIDAE Kjellesvig-Waering, 1966*a*

= † PAGEIDAE Kjellesvig-Waering, 1966*a*

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

= † CYRTOCTENIDAE Waterston, Oelofsen & Oosthuizen, 1985

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

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

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

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

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

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

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

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

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

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

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

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

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

= † WOODWARDOPTERIDAE Kjellesvig-Waering, 1959

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

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

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

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

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

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

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

**STYLONURINA *incertae sedis***

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

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

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

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

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

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

= † ALKENOPTERIDAE Poschmann & Tetlie, 2004

NB: priority of the family names must be clarified

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Family uncertain

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

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

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

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

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

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

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

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

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

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

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

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

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

= † *Baltoeurypterus* Størmer, 1973

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

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

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

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

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

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

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

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

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

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

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

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

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

    = † MIXOPTEROIDEA Caster & Kjellesvig-Waering, 1955

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

= † LANARKOPTERIDAE Tollerton, 1989

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

= † *Lepidoderma* Reuss, 1855

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

= † *Polyzosternites* Goldenberg, 1873

= † *Glyptoscorpius* Peach, 1882

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

= † JAEKELOPTERIDAE Størmer, 1974

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

136 currently valid species of fossil scorpion

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

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

= † ARCHAEOCTONIDAE Petrunkevitch, 1949

= † HYDROSCORPIONIDAE Kjellesvig-Waering, 1986

= † LABRIOSCORPIONIDAE Kjellesvig-Waering, 1986

= † STOERMEROSCORPIONIIDAE Kjellesvig-Waering, 1986

= † WAERINGOSCORPIONIDAE Størmer, 1970

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

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

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

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

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

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

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

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

= † *Stoermeroscorpio* Kjellesvig-Waering, 1986

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

= † PETALOSCORPIONIDAE Kjellesvig-Waering, 1986

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

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

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

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

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

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

= † ANTHRACOCHAERILIDAE Kjellesvig-Waering, 1986

= † OPSIEOBUTHIDAE Kjellesvig-Waering, 1986

= † PHOXISCORPIONIDAE Kjellesvig-Waering, 1986

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

= † *Mazoniscorpio* Wills, 1960

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

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

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

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

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

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

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

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

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

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

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

= † *Alloscorpius* Petrunkevitch, 1949

= † *Europhthalmus* Petrunkevitch, 1949

= † *Lichnophthalmus* Petrunkevitch, 1949

= † *Trigonoscorpio* Petrunkevitch, 1913

= † *Typhloscorpius* Petrunkevitch, 1949

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

60. *Isobuthus kralupensis* (Thorell & Lindström, 1885)* ..... C Kralup

61. ?*Isobuthus nyranensis* Frič, 1904 ..... C Nýřany

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

**Orthosternina *incertae sedis***

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

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

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

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

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

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

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

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

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

**family uncertain**

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

= † *Allobuthiscorpius* Kjellesvig-Waering, 1986

= † *Coseleyscorpio* Kjellesvig-Waering, 1986

= † *Leioscorpio* Kjellesvig-Waering, 1986

= † *Lichnoscorpius* Petrunkevitch, 1949

= † *Pseudobuthiscorpius* Kjellesvig-Waering, 1986

= † *Typhlopisthacanthus* Petrunkevitch, 1949

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

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

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

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

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

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

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

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

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

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

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

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

no fossil record

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

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

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

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

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

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

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

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

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

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

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

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

86. *Palaeoburmesebuthus ohlhoffi* Lourenço, 2015*b* ..... K Burmese amber

† **CHAERILOBUTHIDAE Lourenço & Beigel, 2011** ..... **Cretaceous**

† ***Chaerilobuthus* Lourenço & Beigel, 2011** ..... **Cretaceous**

87. *Chaerilobuthus birmanicus* Lourenço, 2015*b* ..... K Burmese amber

88. *Chaerilobuthus bruckschi* Lourenço, 2015*b* ..... K Burmese amber

89. *Chaerilobuthus complexus* Lourenço & Beigel, 2011* ..... K Burmese amber

90. *Chaerilobuthus gigantosternum* Lourenço, 2016*b* ..... K Burmese amber

91. *Chaerilobuthus longiaculeus* Lourenço, 2013*b* ..... K Burmese amber

92. *Chaerilobuthus serratus* Lourenço, 2016*b* ..... K Burmese amber

† **PALAEOTRILINEATIDAE Lourenço, 2012*b*** ..... **Cretaceous**

† ***Palaeotrilineatus* Lourenço, 2012*b*** ..... **Cretaceous**

93. *Palaeotrilineatus ellenbergeri* Lourenço, 2012*b** ..... K Burmese amber

† **SUCINLOURENCOIDAE Rossi, 2015** ..... **Cretaceous**

† ***Sucinlourencous* Rossi, 2015** ..... **Cretaceous**

94. *Sucinlourencous adrianae* Rossi, 2015* ..... K Burmese amber

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

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

95. *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**

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

107. *Palaeolychas weitschati* Lourenço, 2012*a* ..... Pa Baltic amber

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

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

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

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

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

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

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

111. *Tityus apozonalli* Riquelme *et al*., 2015 ..... Ne Chiapas amber

112. *Tityus azari* Lourenço, 2013*a* ..... Ne Dominican amber

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

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

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

116. *Tityus (Brazilotityus) knodeli* Lourenço, 2014 ..... Ne Chiapas amber

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

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

**BUTHIDAE *incertae sedis***

118. '*Scorpio*' *schweiggeri* Holl, 1829 ..... Qt Copal [not amber!]

**BOTHRIURIDAE Simon, 1880** ..... **Recent**

= TELEGONIDAE Peters, 1861 [based on a generic homonym]

= ACANTHOCHIROIDAE Karsch, 1880*b*

no fossil record

**CHACTOIDEA Pocock, 1893** ..... **Cretaceous – Recent**

† **PALAEOEUSCORPIIDAE Lourenço, 2003** ..... **Cretaceous**

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

119. *Archaeoscorpiops cretacicus* Lourenço, 2015*a** ..... K Burmese amber

† ***Burmesescorpiops*** **Lourenço, 2016** ..... **Cretaceous**

120. *Burmesescorpiops groehni* Lourenço, 2016*b** ..... K Burmese amber

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

121. *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**

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

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

123. *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**

124. *Electrochaerilus buckleyi* Santiago-Blay *et al*., 2004 ..... K Burmese amber

**DIPLOCENTRIDAE Karsch, 1880*b*** ..... **Recent**

no fossil record

**EUSCORPIIDAE Laurie, 1896** ..... **Recent**

no fossil record

**HETEROSCORPIONIDAE Kraepelin, 1905** ..... **Recent**

no fossil record

**HEMISCORPIIDAE Pocock, 1893** ..... **Cretaceous – Recent**

= ISCHNURIDAE Simon, 1879*a*

= LIOCHELIDAE Fet & Bechly, 2001

= † PROTOISCHNURIDAE Carvalho & Lourenço, 2001

† ***Protoischnurus*** **Carvalho & Lourenço, 2001** ..... **Cretaceous**

125. *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**

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

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

127. *Sinoscorpius shandongensis* Hong, 1983a* ..... 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**

128. *Brontoscorpio anglicus* Kjellesvig-Waering, 1972* ..... D England

**† *Eramoscorpius* Waddington, Rudkin & Dunlop, 2015** ..... **Silurian**

129. *Eramoscorpius brucensis* Waddington, Rudkin & Dunlop, 2015* ..... S Ontario, Canada

† ***Gondwanascorpio* Gess, 2013** ..... **Devonian**

130. *Gondwanascorpio emzantsiensis* Gess, 2013* ..... D Grahamstown

† ***Gymnoscorpius* Jeram, 1994*b*** ..... **Carboniferous**

131. *Gymnoscorpius mutillidigitatus* Jeram, 1994*b** ..... C northern England

† ***Hubeiscorpio* Walossek, Li & Brauckmann, 1990** ..... **Devonian**

132. *Hubeiscorpio gracilitarsis* Walossek, Li & Brauckmann, 1990* ..... D Hubei, China

† ***Liassoscorpionides* Bode, 1951** ..... **Jurassic**

133. *Liassoscorpionides schmidti* Bode, 1951* ..... J Hondelage, Germany

† ***Palaeomachus* Pocock, 1911** ..... **Carboniferous**

134. *Palaeomachus anglicus* (Woodward, 1876)* ..... C Mansfield

† ***Titanoscorpio* Kjellesvig-Waering, 1986** ..... **Carboniferous**

135. *Titanoscorpio douglassi* Kjellesvig-Waering, 1986 ..... C Mazon Creek

† ***Wattisonia* Wills, 1960** ..... **Carboniferous**

136. *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

42 currently valid species of fossil harvestman

**OPILIONES Sundevall, 1833** ..... **Devonian – Recent**

**CYPHOPHTHALMI Simon, 1879*a* (suborder)** ..... **Cretaceous – Recent**

**NEOGOVEIDAE Shear, 1980** ..... **Recent**

no fossil record

**OGOVEIDAE Shear, 1980** ..... **Recent**

no fossil record

**PETTALIDAE Shear, 1980** ..... **Recent**

no fossil record

**SIRONIDAE Simon, 1879*a*** ..... **Palaeogene – Recent**

***Siro* Latreille, 1796** ..... **Palaeogene – Recent**

1. *Siro balticus* Dunlop & Mitov, 2011 ..... Pa Baltic amber
2. *Siro platypedibus* Dunlop & Giribet, 2003 ..... Pa Bitterfeld amber

**STYLOCELLIDAE Hansen & Sørensen, 1904** ..... **Cretaceous – Recent**

† ***Palaeosiro* Poinar, 2008** ..... **Cretaceous – Recent**

3. *Palaeosiro burmanicum* Poinar, 2008 ..... K Burmese amber

   NB: Originally desribed as a sironid, but interpreted as a stylocellid by Giribet *et al*. (2012)

**TROGLOSIRONIDAE Shear, 1993** ..... **Recent**

no fossil record

**TETROPHTHALMI Garwood, Sharma, Dunlop & Giribet, 2014 (suborder)** ..... **Devonian – Carbon.**

† ***Eophalangium* Dunlop, Anderson, Kerp & Hass, 2004** ..... **Devonian**

4. *Eophalangium sheari* Dunlop, Anderson, Kerp & Hass, 2004* ..... D Rhynie chert

† ***Hastocularis* Garwood, Sharma, Dunlop & Giribet, 2014** ..... **Devonian**

5. *Hastocularis argus* Garwood, Sharma, Dunlop & Giribet, 2014* ..... D Montceau-les-Mines

**PHALANGIDA Bristowe, 1949**

**Suborder uncertain**

**ARCHAEOMETIDAE Pocock** ..... **Carboniferous**

† ***Archaeometa* Pocock, 1911** ..... **Carboniferous**

6. *Archaeometa nephilina* Pocock, 1911* ..... C Coseley

Originally misplaced in Aranae, transferred to Opiliones by Selden *et al*. (2016)

**EUPNOI Hansen & Sørensen, 1904 (suborder)** ..... **Devonian – Recent**

plesion taxa

† ***Brigantibunum* Dunlop & Anderson, 2005** ..... **Carboniferous**

7. *Brigantibunum listoni* Dunlop & Anderson, 2005* ..... C East Kirkton

† ***Kustarachne* Scudder, 1890*b*** ..... **Carboniferous**

8. *Kustarachne tenuipes* Scudder, 1890*b** ..... C Mazon Creek

i. = *Kustarachne exstincta* Melander, 1903 ..... C Mazon Creek

ii. = *Kustarachne conica* Petrunkevitch, 1913 ..... C Mazon Creek

† ***Macrogyion* Garwood *et al*., 2011** ..... **Carboniferous**

9. *Macrogyion cronus* Garwood *et al*. 2011* ..... C Montceau-les-Mines

**CADDOIDEA Banks, 1893** ..... **Palaeogene – Recent**

**CADDIDAE Banks, 1893** ..... **Palaeogene – Recent**

***Caddo* Banks, 1892*a*** ..... **Palaeogene – Recent**

10. *Caddo dentipalpus* (C. L. Koch & Berendt, 1854) ..... Pa Baltic / Bitter. amber

**PHALANGIOIDEA Latreille, 1802** ..... **Palaeogene – Recent**

**family uncertain**

† ***Petrunkevitchiana* Mello-Leitão, 1937** [genus *incertae sedis*] ..... **Palaeogene**

11. *Petrunkevitchiana oculata* (Petrunkevitch, 1922)* ..... Pa Florissant

**MONOSCUTIDAE Forster, 1948** ..... **Recent**

no fossil record

**NEOPILIONIDAE Lawrence, 1931** ..... **Recent**

no fossil record

**PHALANGIIDAE Latreille, 1802** ..... **Palaeogene – Recent**

***Amilenus* Martens, 1969** ..... **Palaeogene – Recent**

12. *Amilenus deltshevi* Dunlop & Mitov, 2009 ..... Pa Bitterfeld amber

***Dicranopalpus* Doleschall, 1852** ..... **Palaeogene – Recent**

13. *Dicranopalpus ramiger* (C. L. Koch & Berendt, 1854) ..... Pa Baltic / Bitter. amber

i. = *Opilio corniger* Menge, 1854 ..... Pa Baltic amber

ii. = *Dicranopalpus palmnickensis* Roewer, 1939 ..... Pa Baltic amber

† ***Lacinius* Thorell, 1876** ..... **Palaeogene – Recent**

14. *Lacinius bizleyi* Mitov, Dunlop & Penney, 2015 ..... Pa Baltic / Bitter. Amber

Originally assigned to the extant species *L. erinaceus* Staręga, 1966

† ***Stephanobunus*** **Dunlop & Mammitzsch, 2010** ..... **Palaeogene**

15. *Stephanobunus mitovi* Dunlop & Mammitzsch, 2010* ..... Pa Baltic amber

**?Phalangiidae**

16. *Opilio ovalis* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber
    [probably misplaced at genus level]

**SCLEROSOMATIDAE Simon, 1879*a*** ..... **Jurassic – Recent**

† ***Amauropilio*** **Mello-Leitão, 1937** ..... **Palaeogene**

17. *Amauropilio atavus* (Cockerell, 1907) ..... Pa Florissant
18. *Amauropilio lacoei* (Petrunkevitch, 1922) ..... Pa Florissant

***Leiobunum*** **C. L. Koch, 1839*a*** ..... **Jurassic – Recent**

19. *Leiobunum longipes* Menge *in* Koch & Berendt, 1854..... Pa Baltic /Bitter. amber
    i. = *Leiobunum saparum* Menge *in* Koch & Berendt, 1854 [?*lapsus*] ..... Pa Baltic amber
    ii. = *Leiobunum inclusum* Roewer, 1939 ..... Pa Baltic amber

† ***Mesobunus*** **Huang, Selden & Dunlop, 2009** ..... **Jurassic**

20. *Mesobunus dunlopi* Giribet, Tourhino, Shih & Ren, 2012 ..... J Daohugou
21. *Mesobunus martensi* Huang, Selden & Dunlop, 2009* ..... J Daohugou

Family uncertain

† ***Daohugopilio*** **Huang, Selden & Dunlop, 2009** ..... **Jurassic**

22. *Daohugopilio sheari* Huang, Selden & Dunlop, 2009* ..... J Daohugou

## DYSPNOI Hansen & Sørensen, 1904 (suborder) ..... Carbon. – Recent

family uncertain

† ***Ameticos*** **Garwood *et al*., 2011** ..... **Carboniferous**

23. *Ameticos scolos* Garwood *et al*. 2011*..... C Montceau-les-Mines

† ***Echinopustulatus*** **Dunlop, 2004** ..... **Carboniferous**

24. *Echinopustulatus samuelnelsoni* Dunlop, 2004* ..... C Missouri

**ACROPSOPILIONOIDEA Roewer, 1924** ..... **Recent**

**ACROPSOPILIONIDAE Roewer, 1924** ..... **Recent**

**no fossil record**

superfamily uncertain

† **HALITHERSIDAE Dunlop, Selden & Giribet, 2016** ..... **Cretaceous**

† ***Halitherses*** **Giribet & Dunlop, 2005** ..... **Cretaceous**

25. *Halitherses grimaldii* Giribet & Dunlop, 2005* ..... K Burmese amber

**ISCHYROPSALIDOIDEA Simon, 1879*a*** ..... **Palaeogene – Recent**

Tentative assignment, family uncertain

† ***Piankhi*** **Dunlop, Bartel & Mitov, 2012** ..... **Palaeogene**

26. *Piankhi steineri* Dunlop, Bartel & Mitov, 2012* ..... Pa Baltic amber

**CERATOLASMATIDAE Shear, 1986** ..... **Recent**

no fossil record

**ISCHYROPSALIDIDAE Simon, 1879*a*** ..... **Recent**

no fossil record

**SABACONIDAE Dresco, 1970** ..... **Palaeogene – Recent**

***Sabacon*** **Simon, 1879*a*** ..... **Palaeogene – Recent**

27. *Sabacon claviger* (Menge *in* Koch & Berendt 1854) ..... Pa Baltic amber

i. = *Sabacon bachofeni* Roewer, 1939 ..... Pa Baltic amber

**TROGULOIDEA Sundevall, 1833** ..... **Cretaceous – Recent**

HALITHERSIDAE

† ***Halitherses*** **Giribet & Dunlop, 2005** ..... **Cretaceous**

28. *Halitherses grimaldii* Giribet & Dunlop, 2005* ..... K Burmese amber

**DICRANOLASMATIDAE Simon, 1879*a*** ..... **Recent**

no fossil record

† **EOTROGULIDAE Petrunkevitch, 1955*a*** ..... **Carboniferous**

† ***Eotrogulus*** **Thevenin, 1901** ..... **Carboniferous**

29. *Eotrogulus fayoli* Thevenin, 1901* ..... C Commentry

**NEMASTOMATIDAE Simon, 1879*a*** ..... **Palaeogene – Recent**

***Histricostoma*** **Kratochvíl, 1958** ..... **Palaeogene – Recent**

30. ?*Histricostoma tuberculatum* (C. L. Koch & Berendt, 1854) Pa Baltic/Bitter. amber

***Mitostoma*** **Roewer, 1951** ..... **Palaeogene – Recent**

31. ?*Mitostoma denticulatum* (C. L. Koch & Berendt, 1854) ..... Pa Baltic amber

i. = *Nemastoma succineum* Roewer, 1939 ..... Pa Baltic amber

32. ?*Mitostoma gruberi* Dunlop & Mitov, 2009 ..... Pa Bitterfeld amber

***Nemastoma*** **C. L. Koch, 1836** ..... **Palaeogene – Recent**

33. ?*Nemastoma incertum* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

† **NEMASTOMOIDIDAE Petrunkevitch, 1955*a*** ..... **Carboniferous**

† ***Nemastomoides*** **Thevenin, 1901** ..... **Carboniferous**

= † *Protopilio* Petrunkevitch, 1913

34. *Nemastomoides elaveris* Thevenin, 1901* ..... C Commentry

35. *Nemastomoides longipes* (Petrunkevitch, 1913) ..... C Mazon Creek

**NIPPONOSALIDIDAE Martens, 1976** ..... **Recent**

no fossil record

**TROGULIDAE Sundevall, 1833** ..... **Palaeogene – Recent**

***Trogulus* Latreille, 1802** ..... **Palaeogene – Recent**

36. *Trogulus longipes* Haupt, 1956 ..... Pa Geiseltal

**LANIATORES Thorell, 1876*c* (suborder)** ..... **Cretaceous – Recent**

**family uncertain**

***Philacarus* Sørensen, 1932** ..... **Neogene – Recent**

37. *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**

38. *Proholoscotolemon nemastomoides* (C. L. Koch & Berendt, 1854)* ..... Pa Baltic amber

*?Proholoscotolemon* sp. *in* Ubick & Dunlop (2005) ..... Pa Baltic amber

**PENTANYCHIDAE Briggs, 1971** ..... **Recent**

no fossil record

**TRAVUNIIDAE Absolon & Kratochvíl, 1932** ..... **Recent**

no fossil record

**TRIAENONYCHOIDEA Sørensen, 1886** ..... **Recent**

**SYNTHETONYCHIIDAE Forster, 1954** ..... **Recent**

no fossil record

**TRIAENONYCHIDAE Sørensen, 1886** ..... **Recent**

no fossil record

**GRASSATORES Kury, 2002 (infraorder)** ..... **Cretaceous – Recent**

**SAMOIDEA Sørensen, 1886** ..... **Neogene – Recent**

**BIANTIDAE Thorell, 1889** ..... **Recent**

no fossil record

**ESCADABIIDAE Kury & Pérez González *in* Kury, 2003** ..... **Recent**

no fossil record

**KIMULIDAE Pérez González, Kury & Alonso-Zarazaga *in* Pérez González & Kury, 2007** ..... **Neogene – Recent**

***Kimula* Goodnight & Goodnight, 1942** ..... **Neogene – Recent**

*Kimula* sp. *in* Cokendolpher & Poinar (1992) ..... Ne Dominican amber

**PODOCTIDAE Roewer, 1912** ..... **Recent**

no fossil record

**SAMOIDAE Sørensen, 1886** ..... **Neogene – Recent**

***Hummelinckiolus* Šilhavý, 1979** ..... **Neogene – Recent**

39. *Hummelinckiolus silhavyi* Cokendolpher & Poinar, 1998 ..... Ne Dominican amber

***Pellobunus* Banks, 1905** ..... **Neogene – Recent**

40. *Pellobunus proavus* Cokendolpher, 1987 ..... Ne Dominican amber

**STYGNOMMATIDAE Roewer, 1923** ..... **Recent**

no fossil record

**ASSAMIOIDEA Sørensen, 1884** ..... **Cretaceous – Recent**

**ASSAMIIDAE Sørensen, 1884** ..... **Recent**

no fossil record

**EPEDANIDAE Sørensen, 1886** ..... **Cretaceous – Recent**

† ***Pterobunoides* Selden, Dunlop, Giribet, Zhang & Ren, 2016** ..... **Cretaceous**

41. *Pterobunoides sharmai* Selden, Dunlop, Giribet, Zhang & Ren, 2016* ..... K Burmese amber

**PETROBUNIDAE Sharma & Giribet, 2011** ..... **Recent**

no fossil record

**PYRAMIDOPIIDAE Sharma, Prieto & Giribet, 2011** ..... **Recent**

no fossil record

**STYGNOPSIDAE Sørensen, 1932** ..... **Recent**

no fossil record

**TITHAEIDAE Sharma & Giribet, 2011** ..... **Recent**

no fossil record

**GONYLEPTOIDEA Sundevall, 1833** ..... **Recent**

**AGORISTENIDAE Šilhavý, 1973** ..... **Recent**

no fossil record

**COSMETIDAE C. L. Koch, 1839*a*** ..... **Recent**

no fossil record

**CRANAIDAE Roewer, 1913** ..... **Recent**

no fossil record

**GONYLEPTIDAE Sundevall, 1833** ..... **Recent**

no fossil record

**MANAOSBIIDAE Roewer, 1943** ..... **Recent**

no fossil record

**STYGNIDAE Simon, 1879*b*** ..... **Recent**

no fossil record

**PHALANGODOIDEA Simon, 1879*a*** ..... **Recent**

**ONCOPODIDAE Thorell, 1876*c*** ..... **Recent**

no fossil record

**PHALANGODIDAE Simon, 1879*a*** ..... **Recent**

no fossil record

**ZALMOXOIDEA Sørensen, 1886** ..... **Recent**

**FISSIPHALLIIDAE Martens, 1988** ..... **Recent**

no fossil record

**GUASINIIDAE González-Sponga, 1997** ..... **Recent**

no fossil record

**ICALEPTIDAE Kury & Pérez González, 2002** ..... **Recent**

no fossil record

**ZALMOXIDAE Sørensen, 1886** ..... **Recent**

no fossil record

**OPILIONES *incertae sedis***

unnamed specimen *in* Jell & Duncan (1986) ..... K Koonwarra

† ***Arachnometa* Petrunkevitch, 1949** ..... **Carboniferous**

42. *Arachnometa tuberculata* Petrunkevitch, 1949* ..... C Coseley

Originally misplaced in Aranae, transferred to Opiliones by Selden *et al*. (2016)

*NOMINA DUBIA*

1. *Cheiromachus coriaceus* Menge *in* Koch & Berendt, 1854 ..... Pa Baltic amber
2. *Phalangium succineum* Presl, 1822 ..... Pa Baltic amber

MISIDENTIFICATIONS

1. *Hasseltides primigenius* Weyenbergh, 1869 [crinoid] ..... J Solnhofen
2. *Phalangites multipes* Münster *in* Roth, 1851 [crustacean] ..... J Solnhofen
3. *Phalangites priscus* Münster, 1839 [crustacean] ..... J Solnhofen
4. *Rhabdotarachnoides simoni* Haupt, 1957 [plant fragment] ..... P Rotliegend

6,491 Recent species according to Kury (2011)

# PHALANGIOTARBIDA

31 currently valid species of fossil phalangiotarbid

† **PHALANGIOTARBIDA Haase, 1890** ..... **Devonian – Permian**

= † ARCHITARBIDA Petrunkevitch, 1945*a*

† **DEVONOTARBIDAE Poschmann & Dunlop, 2012** ..... **Devonian**

† ***Devonotarbus* Poschmann, Anderson & Dunlop, 2005** ..... **Devonian**

1. *Devonotarbus hombachensis* Poschmann, Anderson & Dunlop, 2005* D Germany

† **ANTHRACOTARBIDAE Kjellesvig-Waering, 1969** ..... **Carboniferous**

† ***Anthracotarbus* Kjellesvig-Waering, 1969** ..... **Carboniferous**

2. *Anthracotarbus hintoni* Kjellesvig-Waering, 1969* ..... C Oklahoma

† **ARCHITARBIDAE Karsch, 1882** ..... **Carboniferous**

= † PHALANGIOTARBIDAE Haase, 1890

† ***Architarbus* Scudder, 1868** ..... **Carboniferous**

3. *Architarbus hoffmanni* Guthörl, 1934 ..... C Saar basin
   i. = *Opiliotarbus kliveri* Waterlot, 1935..... C Saar basin
   ii. = *Goniotarbus sarana* Guthörl, 1965 ..... C Saar basin
4. *Architarbus minor* Petrunkevitch, 1913 ..... C Mazon Creek
5. *Architarbus rotundatus* Scudder, 1868* ..... C Mazon Creek

† ***Bornatarbus* Rößler & Schneider, 1997** ..... **Carboniferous**

6. *Bornatarbus mayasii* (Haupt *in* Nindel, 1955)* ..... C Germany / UK

† ***Discotarbus* Petrunkevitch, 1913** ..... **Carboniferous**

7. *Discotarbus deplanatus* Petrunkevitch, 1913* ..... C Mazon Creek

† ***Geratarbus* Scudder, 1890*b*** ..... **Carboniferous**

8. *Geratarbus lacoei* Scudder, 1890*b** ..... C Mazon Creek
9. *Geratarbus bohemicus* Petrunkevitch, 1953 ..... C Nýřany

† ***Goniotarbus* Petrunkevitch, 1949** ..... **Carboniferous**

10. *Goniotarbus angulatus* (Pocock, 1911) ..... C Coseley
11. *Goniotarbus tuberculatus* (Pocock, 1911)* ..... C Coseley
    i. = *Goniotarbus tuberculatus* Petrunkevitch, 1949 ..... C Coseley

† ***Hadrachne* Melander, 1903** ..... **Carboniferous**

12. *Hadrachne horribilis* Melander, 1903* ..... C Mazon Creek

† ***Leptotarbus* Petrunkevitch, 1945*a*** ..... **Carboniferous**

13. *Leptotarbus torpedo* (Pocock, 1911)* ..... C Coseley

† ***Mesotarbus* Petrunkevitch, 1949** ..... **Carboniferous**

14. *Mesotarbus angustus* (Pocock, 1911) ..... C Coseley

15. *Mesotarbus eggintoni* (Pocock, 1911) ..... C Coseley
16. *Mesotarbus hindi* (Pocock, 1911) ..... C Coseley
17. *Mesotarbus intermedius* Petrunkevitch, 1949* ..... C Coseley
18. *Mesotarbus peteri* Dunlop & Horrocks, 1997 ..... C Westhoughton

† ***Metatarbus* Petrunkevitch, 1913** ..... **Carboniferous**

19. *Metatarbus triangularis* Petrunkevitch, 1913* ..... C Mazon Creek

† ***Ootarbus* Petrunkevitch, 1945*a*** ..... **Carboniferous**

20. *Ootarbus pulcher* Petrunkevitch, 1945*a** ..... C Mazon Creek
21. *Ootarbus ovatus* Petrunkevitch, 1945*a* ..... C Mazon Creek

† ***Orthotarbus* Petrunkevitch, 1945*a*** ..... **Carboniferous**

22. *Orthotarbus longipes* Simon, 1971 ..... C Halleschen Mulde
23. *Orthotarbus minutus* (Petrunkevitch, 1913)* ..... C Mazon Creek
24. *Orthotarbus robustus* Petrunkevitch, 1945*a* ..... C Mazon Creek
25. *Orthotarbus nyranensis* Petrunkevitch, 1953 ..... C Nýřany

† ***Paratarbus* Petrunkevitch, 1945a** ..... **Carboniferous**

26. *Paratarbus carbonarius* Petrunkevitch, 1945*a** ..... C Mazon Creek

† ***Phalangiotarbus* Haase, 1890** ..... **Carboniferous**

27. *Phalangiotarbus subovalis* (Woodward, 1872*b*)* ..... C Burnley

† ***Pycnotarbus* Darber, 1990** ..... **Carboniferous**

28. *Pycnotarbus verrucosus* Darber, 1990* ..... C Oelsnitz

† ***Triangulotarbus* Patrick, 1989** ..... **Carboniferous**

29. *Triangulotarbus terrehautensis* Patrick, 1989* ..... C Indiana

† **HETEROTARBIDAE Petrunkevitch, 1913** ..... **Carboniferous**

† ***Heterotarbus* Petrunkevitch, 1913** ..... **Carboniferous**

30. *Heterotarbus ovatus* Petrunkevitch, 1913* ..... C Mazon Creek

† **OPILIOTARBIDAE Petrunkevitch, 1945*a*** ..... **Carb. – Permian**

† ***Opiliotarbus* Pocock, 1910** ..... **Carb. – Permian**

31. *Opiliotarbus elongatus* (Scudder, 1890*b*)* ..... C – P USA / Germany

*NOMINA DUBIA*

1. *Eotarbus litoralis* Kušta, 1888 ..... C Rakovník
2. *Nemastomoides depressus* Petrunkevitch, 1913 ..... C Mazon Creek

no Recent species

# PSEUDOSCORPIONES

49 currently valid species of fossil pseudoscorpion

**PSEUDOSCORPIONES De Geer, 1778** ..... **Devonian – Recent**

= CHERNETES Simon, 1879*a*

† **DRACOCHELIDAE Schawaller, Shear & Bonamo, 1991 (plesion family)** ..... **Devonian**

† ***Dracochela* Schawaller, Shear & Bonamo, 1991** ..... **Devonian**

1. *Dracochela deprehendor* Schawaller, Shear & Bonamo, 1991* ..... D Gilboa

**CHELONETHI Thorell, 1882** ..... **Cretaceous – Recent**

**EPIOCHIERATA Harvey, 1992** ..... **Cretaceous – Recent**

**CHTHONOIDEA Daday, 1889** ..... **Palaeogene – Recent**

**CHTHONIIDAE Daday, 1889** ..... **Palaeogene – Recent**

***Chthonius* C. L. Koch, 1843*a*** ..... **Palaeogene – Recent**

2. *Chthonius* (*Chthonius*) *mengei* Beier, 1937 ..... Pa Baltic amber
3. *Chthonius* (*Chthonius*) *pristinus* Schawaller, 1978 ..... Pa Baltic amber

***Paraliochthonius* Beier, 1956** ..... **Neogene – Recent**

4. *Paraliochthonius miomaya* Judson, 2016 ..... Ne Chiapas amber

***Pseudochthonius* Balzan, 1892** ..... **Neogene – Recent**

5. *Pseudochthonius squamosus* Schawaller, 1980*a* ..... Ne Dominican amber

***Tyrannchthonius* Chamberlin, 1929** ..... **Neogene – Recent**

*Tyrannchthonius* sp. *in* Judson (2010) ..... Qt Madagascan copal

*Tyrannchthonius* sp. *in* Judson (2016) ..... Ne Chiapas amber

**LECHYTIDAE Chamberlin, 1929** ..... **Neogene – Recent**

***Lechytia* Balzan, 1892** ..... **Neogene – Recent**

6. *Lechytia tertiaria* Schawaller, 1980*a* ..... Ne Dominican amber

**TRIDENCHTHONIIDAE Balzan, 1892** ..... **Palaeogene – Recent**

= DITHIDAE Chamberlin, 1929

† ***Chelignathus* Menge, 1854** ..... **Palaeogene**

7. *Chelignathus kochii* Menge *in* Koch & Berendt 1854* ..... Pa Baltic amber

**FEAELLOIDEA Ellingsen, 1906** ..... **Cretcaeous – Recent**

**FEAELLIDAE Ellingsen, 1906** ..... **Cretcaeous – Recent**

***Feaella (Tetrafeaella)* Beier, 1955** ..... **Palaeogene – Recent**

8. *Feaella (Tetrafeaella) groehni* Henderickx *in* Henderickx & Boone, 2014 Pa Baltic amber

† ***Protofeaella*** **Henderickx *in* Henderickx & Boone, 2014** ..... **Cretcaeous – Recent**

9. *Protofeaella peetersae* Henderickx *in* Henderickx & Boone, 2016* .....K Burmese amber

**PSEUDOGARYPIDAE Chamberlin, 1923*a*** ..... **Palaeogene – Recent**

***Pseudogarypus*** **Ellingsen, 1909** ..... **Palaeogene – Recent**

10. *Pseudogarypus extensus* Beier, 1937 .....Pa Baltic amber
11. *Pseudogarypus hemprichii* (C. L. Koch & Berendt, 1854) .....Pa Baltic amber
12. *Pseudogarypus minor* Beier, 1947*a* .....Pa Baltic/Rovno amber
13. *Pseudogarypus pangaea* Henderickx *in* Henderickx *et al.*, 2006.....Pa Baltic amber
14. *Pseudogarypus synchrotron* Henderickx *in* Henderickx *et al.*, 2012 ..... Pa Baltic amber

**IOCHIERATA Harvey, 1992** ..... **Cretaceous – Recent**

**HEMICTENATA Balzan, 1892** ..... **Cretaceous – Recent**

**NEOBISIOIDEA Chamberlin, 1930** ..... **Cretaceous – Recent**

**BOCHICIDAE Chamberlin, 1930** ..... **Recent**

= VACHONIIDAE Chamberlin, 1947

no fossil record

**GYMNOBISIIDAE Beier, 1947*b*** ..... **Recent**

no fossil record

**HYIDAE Chamberlin, 1930** ..... **Recent**

no fossil record

**IDEORONCIDAE Chamberlin, 1930** ..... **Recent**

no fossil record

**NEOBISIIDAE Chamberlin, 1930** ..... **Cretaceous – Recent**

= OBISIIDAE Sundevall, 1833

***Microcreagris*** **Balzan, 1892** ..... **Palaeogene – Recent**

15. *Microcreagris koellnerorum* Schawaller, 1978 ..... Pa Baltic amber

***Neobisium*** **Chamberlin, 1930** ..... **Palaeogene – Recent**

16. *Neobisium* (*Neobisium*) *exstinctum* Beier, 1955 ..... Pa Baltic amber
17. *Neobisium henderickxi* Judson, 2003 .....Pa Baltic amber

***Roncus*** **L. Koch, 1873** ..... **Palaeogene – Recent**

18. *Roncus succineus* Beier, 1955 .....Pa Baltic amber

**PARAHYIDAE Harvey, 1992** ..... **Recent**

no fossil record

**SYARINIDAE Chamberlin, 1930** ..... **Recent**

no fossil record

**PANCTENATA Balzan, 1892** ..... **Cretaceous – Recent**

**GARYPOIDEA Simon, 1879*a*** ..... **Cretaceous – Recent**

**GARYPIDAE Simon, 1879*a*** ..... **Recent**

= SYNSPHRONIDAE Beier, 1932*a*

no fossil record

**GARYPINIDAE Daday, 1889** ..... **Cretaceous – Recent**

***Amblyolpium* Simon, 1898*b*** ..... **Cretaceous – Recent**

19. *Amblyolpium burmiticum* (Cockerell, 1920) ..... K Burmese amber

***Garypinus* Daday, 1888** ..... **Palaeogene – Recent**

20. *Garypinus electri* Beier, 1937 ..... Pa Baltic amber

**GEOGARYPIDAE Chamberlin, 1930** ..... **Palaeogene – Recent**

***Geogarypus* Chamberlin, 1930** ..... **Palaeogene – Recent**

21. *Geogarypus gorskii* Henderickx, 2005 ..... Pa Baltic/Rovno amber

22. *Geogarypus macrodactylus* Beier, 1937 ..... Pa Baltic amber

23. *Geogarypus major* Beier, 1937 ..... Pa Baltic amber

**LARCIDAE Harvey, 1992** ..... **Recent**

no fossil record

**MENTHIDAE Chamberlin, 1930** ..... **Recent**

no fossil record

**OLPIIDAE Banks, 1895** ..... **Palaeogene – Recent**

no fossil record

**STERNOPHOROIDEA Chamberlin, 1923*b*** ..... **Neogene – Recent**

**STERNOPHORIDAE Chamberlin, 1923*b*** ..... **Neogene – Recent**

***Idiogaryops* Hoff, 1963** ..... **Neogene – Recent**

24. *Idiogaryops pumilus* (Hoff, 1963) **[Recent]** ..... Ne–R Dominican amber

**CHEIRIDIOIDEA Hansen, 1894** ..... **Palaeogene – Recent**

**CHEIRIDIIDAE Hansen, 1894** ..... **Palaeogene – Recent**

***Cheiridium* Menge, 1855** ..... **Palaeogene – Recent**

25. *Cheiridium hartmanni* (Menge in Koch & Berendt 1854) ..... Pa Baltic amber

***Cryptocheiridium* Chamberlin, 1931*a*** ..... **Neogene – Recent**

26. *Cryptocheiridium* (*Cryptocheiridium*) *antiquum* Schawaller, 1981 ..... Ne Dominican amber

† ***Electrobisium* Cockerell, 1917** ..... **Cretaceous**

27. *Electrobisium acutum* Cockerell, 1917*a** ..... K Burmese amber

**PSEUDOCHIRIDIIDAE Chamberlin, 1923*b*** ..... **Neogene – Recent**

***Pseudochiridium* With, 1906** ..... **Neogene – Recent**

28. *Pseudochiridium lindae* Judson, 2007 ..... Ne Dominican amber

**CHELIFEROIDEA Risso, 1826** ..... **Cretaceous – Recent**

**ATEMNIDAE Kishida, 1929** ..... **Palaeogene – Recent**

Atemninae indet. *in* Judson (2010) ..... Qt Dominican amber

***Paratemnoides* Harvey, 1991** ..... **Neogene – Recent**

29. *Paratemnoides nidificator* (Balzan, 1888) **[Recent]** ..... Qt–R Colombian copal

*Paratemnoides* (?) sp. *in* Judson (2016) ..... Ne Chiapas amber

† ***Progonatemnus* Beier, 1955** ..... **Palaeogene**

30. *Progonatemnus succineus* Beier, 1955* ..... Pa Baltic amber

**CHELIFERIDAE Risso, 1827** ..... **Cretaceous – Recent**

Cheliferidae? indet. *in* Judson (2009) ..... K Archingeay amber

Cheliferini gen. sp. indet *in* Judson (2016) ..... Ne Chiapas amber

† ***Dichela* Menge, 1854** ..... **Palaeogene**

= † *Oligochelifer* Beier, 1937

31. *Dichela berendtii* Menge *in* Koch & Berendt 1854* ..... Pa Baltic amber
32. *Dichela gracilis* (Beier, 1937) ..... Pa Baltic amber
33. *Dichela granulatus* (Beier, 1937) ..... Pa Baltic amber
34. *Dichela serratidentatus* (Beier, 1937) ..... Pa Baltic amber

† ***Electrochelifer* Beier, 1937** ..... **Palaeogene**

35. *Electrochelifer bachofeni* Beier, 1947*a* ..... Pa Baltic amber
36. *Electrochelifer balticus* Beier, 1955 ..... Pa Baltic amber
37. *"Electrochelifer" groehni* Dashdamirmov, 2008 ..... Pa Baltic amber
38. *Electrochelifer mengei* Beier, 1937* ..... Pa Baltic amber
39. *Electrochelifer rapulitarsatus* Beier, 1947*a* ..... Pa Baltic amber

† ***Heurtaultia* Judson, 2009** [tentative referal to family] ..... **Cretaceous**

40. *Heurtaultia rossiorum* Judson, 2009 ..... K Archingeay amber

† ***Pycnochelifer* Beier, 1937** ..... **Palaeogene**

41. *Pycnochelifer kleemanni* (C. L. Koch & Berendt, 1854)* ..... Pa Baltic amber

i. = *Obisium rathkii* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

† ***Trachychelifer* Hong, 1983b** ..... **Palaeogene**

42. *Trachychelifer liaoningense* Hong, 1983*b** ..... Pa Chinese amber

**CHERNETIDAE Menge, 1855** ..... **Cretaceous – Recent**

Chernetidae gen. et sp. indet *in* Schawaller (1991) ..... K Canadian amber

Chernetidae gen. et sp. indet *in* Schawaller (1982*b*) ..... Ne Chiapas amber

***Byrsochernes* Beier, 1959** ..... **Neogene – Recent**

= † *Mayachernes* Riquelme, Piedra-Jiménez & Córdova-Tabares, 2014 *in* Riquelme *et al*. (2014)

43. *Byrsochernes maatiatus* (Riquelme, Piedra-Jiménez &

Córdova-Tabares, 2014 *in* Riquelme *et al*. (2014)) ..... ..... Ne Chiapas amber

***Lustrochernes* Beier, 1932** ..... **Neogene – Recent**

*Lustrochernes* (?) sp. 1–2 *in* Judson (2016) ..... Ne Chiapas amber

† ***Oligochernes* Beier, 1937** ..... **Palaeogene**

44. *Oligochernes bachofeni* Beier, 1937 ..... Pa Baltic amber

45. *Oligochernes wigandi* (Menge *in* Koch & Berendt 1854) ..... Pa Baltic amber

***Pachychernes* Beier, 1932*b*** ..... **Neogene – Recent**

46. *Pachychernes effossus* Schawaller, 1980*b* ..... Ne Dominican amber

47. *Pachychernes* aff. *subrobustus* (Balzan, 1892) ..... Qt–R Colombian copal

**WITHIIDAE Chamberlin, 1931*b*** ..... **Palaeogene – Recent**

† ***Beierowithius* Mahnert, 1979** ..... **Palaeogene**

48. *Beierowithius sieboldtii* (Menge *in* Koch & Berendt 1854)* ..... Pa Baltic amber

***Withius* Kew, 1911** ..... **Quaternary – Recent**

49. *Withius eucarpus* (Dalman, 1826) ..... Qt East African opal

*NOMUM DUBIUM*

1. *Chelifer ehrenbergii* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

*NOMUM NUDUM*

1. *Chelifer fossilis* Weyenbergh, 1874 ..... J Solnhofen

3,454 Recent species according to Harvey (2011)

# SOLIFUGAE

6 currently valid species of camel spider

- *Schneidarachne* appears to show some solifuge-like features and was tentatively assigned to the stem-lineage of this order; for convienience it is listed here alongside the camel spiders
- a family name Protosolpugidae has been proposed for *Protosolpuga*, but was not recognised in most of the subsequent literature – cf. Selden & Shear's (1996) revision

**stem-lineage?**

† ***Schneidarachne*** **Dunlop & Rössler, 2003** ..... **Carboniferous**

1. *Schneidarachne saganii* Dunlop & Rössler, 2003* ..... C Kamienna Góra

## SOLIFUGAE Sundevall, 1833 ..... Carbon. – Recent

**SOLIFUGAE *INCERTAE SEDIS***

† ***Protosolpuga*** **Petrunkevitch, 1913** ..... **Carboniferous**

2. *Protosolpuga carbonaria* Petrunkevitch, 1913* ..... C Mazon Creek

† ***Cushingia*** **Dunlop, Bird, Brookhart & Bechly 2015** ..... **Cretaceous**

3. *Cushingia ellenbergeri* Dunlop, Bird, Brookhart & Bechly 2015* ..... K Burmese Amber

**AMMOTRECHIDAE Roewer, 1934** ..... **Neogene – Recent**

† ***Happlodontus*** **Poinar & Santiago-Blay, 1989** ..... **Neogene**

4. *Happlodontus proterus* Poinar & Santiago-Blay, 1989* ..... Ne Dominican amber

**CEROMIDAE Roewer, 1933** ..... **Cretaceous – Recent**

† ***Cratosolpuga*** **Selden *in* Selden & Shear, 1996** ..... **Cretaceous**

5. *Cratosolpuga wunderlichi* Selden *in* Selden & Shear, 1996* ..... K Crato Formation

**DAESIIDAE Kraepelin, 1899** ..... **Palaeogene – Recent**

† ***Palaeoblossia*** **Dunlop, Wunderlich & Poinar, 2004** ..... **Palaeogene**

6. *Palaeoblossia groehni* Dunlop, Wunderlich & Poinar, 2004* ..... Pa Baltic amber

**EREMOBATIDAE Kraepelin, 1901** ..... **Recent**

no fossil record

**GALEODIDAE Sundevall, 1833** ..... **Recent**

no fossil record

**GYLIPPIDAE Roewer, 1933** ..... **Recent**

no fossil record

**HEXISOPODIDAE Pocock, 1897** ..... **Recent**

no fossil record

**KARSCHIIDAE Kraepelin, 1899** ..... **Recent**

no fossil record

**MELANOBLOSSIDAE Roewer, 1933** ..... **Recent**

no fossil record

**MUMMUCIIDAE Roewer, 1934** ..... **Recent**

no fossil record

**RHAGODIDAE Pocock, 1897** ..... **Recent**

no fossil record

**SOLPUGIDAE Leach, 1815** ..... **Recent**

no fossil record

1,113 Recent species according to Prendini (2011)

# PALPIGRADI

2 currently valid species of fossil palpigrade

**PALPIGRADI Thorell, 1888** ..... **Cretaceous – Recent**

= MICROTHELYPHONIDA Grassi & Calandruccio, 1885

**family uncertain**

† ***Paleokoenenia*** **Rowland & Sissom, 1980** ..... **Neogene**

1. *Paleokoenenia mordax* Rowland & Sissom, 1980* ..... Ne Onyx Marble

**EUKOENENIIDAE Petrunkevitch, 1955*a*** ..... **Cretaceous – Recent**

† ***Electrokoenenia*** **Engel & Huang *in* Engel *et al*., 2016** ..... **Cretaceous**

2. *Electrokoenenia yaksha* Engel & Huang *in* Engel *et al*., 2016* ..... K Burmese amber

**PROKOENENIIDAE Condé, 1996** ..... **Recent**

no fossil record

MISIDENTIFICATIONS

1. *Sternarthron zitteli* Haase, 1890 [insect] ..... J Solnhofen
2. *Sternarthron zitteli* var. *minor* (Oppenheim, 1887) [insect] ..... J Solnhofen

82 Recent species according to Prendini (2011)

# ACARI: PARASITIFORMES

16 currently valid species of fossil parasitiform mite

- higher systematics and sequence of taxa follows the third edition of *A Manual of Acarology* (Krantz & Walter, eds, 2009), except that their orders are listed here as suborders, and suborders as infraorders to achieve some degree of consistency with other arachnid higher taxa throughout this list

**PARASITIFORMES Reuter, 1909** ..... **Cretaceous – Recent**

= ANACTINOTRICHIDA author, date?

**OPILIOACARIDA Zachvatkin, 1952 (suborder)** ..... **Cretaceous – Recent**

= NOTOSTIGMATA author, date?

**OPILIOACAROIDEA Vitzthum, 1931** ..... **Cretaceous – Recent**

**OPILIOACARIDAE Vitzthum, 1931** ..... **Cretaceous – Recent**

= NEOACARIDAE Chamberlin & Mulaik, 1942

***Opilioacarus* With, 1902** ..... **?Cretaceous – Recent**

1. *?Opilioacarus aenigmus* Dunlop, Sempf & Wunderlich, 2010 ..... Pa Baltic amber
2. ?*Opilioacarus groehni* Dunlop & Bernardi, 2014 ..... K Burmese amber

***Paracarus* Chamberlin & Mulaik, 1942** ..... **Palaeogene – Recent**

3. *Paracarus pristinus* Dunlop, Wunderlich & Poinar, 2004 ..... Pa Baltic amber

**HOLOTHYRIDA Thorell, 1882 (suborder)** ..... **Recent**

= TETRASTIGMATA author, date?

**HOLOTYHROIDEA Thorell, 1882** ..... **Recent**

**ALLOTHYRIDAE van der Hammen, 1972** ..... **Recent**

no fossil record

**HOLOTHYRIDAE Thorell, 1882** ..... **Recent**

no fossil record

**NEOTHYRIDAE Lehtinen, 1981** ..... **Recent**

no fossil record

**IXODIDA Leach, 1815 (suborder)** ..... **Cretaceous – Recent**

= METASTIGMATA author, date?

**IXODOIDEA Banks, 1907** ..... **Cretaceous – Recent**

**ARGASIDAE Murray, 1877** ..... **Cretaceous – Recent**

***Carios* Latreille, 1796** ..... **Cretaceous – Recent**

4. *Carios jerseyi* Klompen & Grimaldi, 2001 ..... K New Jersey amber

***Ornithodoros* C. L. Koch, 1844** ..... **Neogene – Recent**

5. *Ornithodoros antiquus* Poinar, 1995 ..... Ne Dominican amber

**IXODIDAE Banks, 1907** ..... **Cretaceous – Recent**

***Amblyomma* C. L. Koch, 1844** ..... **Cretaceous – Recent**

6. *Amblyomma* near *argentinae* Neumann, 1905 **[Recent]** (as *testudinis*) *in* Lane & Poinar (1986) ..... Ne–R Dominican amber
7. *Amblyomma* near *dissimile* C. L. Koch, 1844 **[Recent]** *in* Kierens *et al*. (1986) ..... Ne–R Dominican amber

*Amblyomma* sp. *in* (Klompen *in* Grimaldi *et al*. 2002) ..... K Burmese amber

† ***Compluriscutata* Poinar & Buckley, 2008** ..... **Cretaceous**

8. *Compluriscutata vetulum* Poinar & Buckley, 2008* ..... K Burmese amber

† ***Cornupalpatum* Poinar & Brown, 2003** ..... **Cretaceous**

9. *Cornupalpatum burmanicum* Poinar & Brown, 2003* ..... K Burmese amber

***Dermacentor* C. L. Koch, 1844** ..... **Neogene – Recent**

10. *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**

11. *Ixodes sigelos* Keirans, Clifford & Corwin, 1976 **[Recent]** ..... Qt Argentina
12. *Ixodes* (*Partipalpiger*) *succineus* Weidner, 1964 ..... Pa Baltic amber

**NUTALLIELLIDAE Schulze, 1935** ..... **Recent**

no fossil record

## MESOSTIGMATA G. Canestrini, 1891 (suborder) ..... Palaeogene – Recent

= GAMASIDA Leach, 1815

## SEJIDA Kramer, 1885 (infraorder) ..... Palaeogene – Recent

= LIROASPINA author, date?

= TRICHOPYGIDIINA author, date?

**SEJOIDEA Berlese, 1885** ..... **Palaeogene – Recent**

**ICHTHYOSTOMATOGASTERIDAE Sellnick, 1953** ..... **Recent**

no fossil record

**SEJIDAE Berlese, 1885** ..... **Palaeogene – Recent**

= LIROASPIDIDAE Trägårdh, 1946

***Sejus* C. L. Koch, 1836** [NB: *Seius* in an invalid emendation] ..... **Palaeogene – Recent**

13. *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**

14. *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**

15. *Aclerogamasus stenocornis* Witaliński, 2000 ..... Pa Baltic amber

**DERMANYSSIAE Evans & Till, 1997 (subcohort)** ..... **Palaeogene – Recent**

**VEIGAIOIDEA Oudemans, 1939** ..... **Recent**

**VEIGAIIDAE Oudemans, 1939** ..... **Recent**

= GAMASOLAELAPTIDAE Oudemans, 1939

no fossil record

**RHODACAROIDEA Oudemans, 1902** ..... **Palaeogene – Recent**

**DIGAMASELLIDAE Evans, 1954** …[or 57?]..... **Palaeogene – Recent**

Digamasellidae sp. *in* Perkovsky *et al*. (2007)..... Pa Rovno amber

***Dendrolaelaps* Halbert, 1915** ..... **Neogene – Recent**

16. *Dendrolaelaps fossilis* Hirschman, 1971 ..... Ne Chiapas amber

**EURYPARASITIDAE d'Antony, 1987** ..... **Recent**

no fossil record

**GAMASIPHIDAE** author, date? ..... **Recent**

no fossil record

**LAELAPTONYSSIDAE Womersley, 1956** ..... **Recent**

no fossil record

**OLOGAMASIDAE Ryke, 1962** ..... **Recent**

no fossil record

**PANTENIPHIDIDAE d'Antony, 1987** ..... **Recent**

no fossil record

**RHODACARIDAE Oudemans, 1902** ..... **Recent**

no fossil record

**TERANYSSIDAE Halliday, 2006** ..... **Recent**

no fossil record

**EVIPHIDOIDEA Berlese, 1913** ..... **Quaternary–Recent**

**EVIPHIDIDAE Berlese, 1913** ..... **Recent**

no fossil record

**MACROCHELIDAE Vitzthum, 1930** ..... **Quaternary–Recent**

***Macrocheles* Latreille, 1829** ..... **Quaternary–Recent**

*Macrocheles* sp. *in* Ramsay (1960) ..... Qt New Zealand

**MEGALOLAELAPIDAE author, date?** ..... **Recent**

no fossil record

**PACHYLAELAPIDAE Berlese, 1913** ..... **Recent**

= NEOPARASITIDAE Oudemans, 1939

= BULBOGAMASIDAE Gu, Wang & Duan, 1991

no fossil record

**PARHOLASPIDIDAE Evans, 1956** ..... **Recent**

no fossil record

**ASCOIDEA Oudemans, 1905** ..... **Palaeogene – Recent**

**AMEROSEIIDAE Evans *in* Hughs, 1961** ..... **Recent**

no fossil record

**ASCIDAE Voigts & Oudemans, 1905** ..... **?Palaeogene – Recent**

?Ascidae sp. *in* Dunlop *et al*. (2013) ..... Pa Baltic amber

**HALOLAELAPIDAE Karg, 1965** ..... **Recent**

no fossil record

**MELICHARIDAE Hirschmann, 1962** ..... **Recent**

no fossil record

**PODOCINIDAE Berlese, 1913** ..... **Quarternary – Recent**

Podocinidae sp. *in* Aoki (1974) ..... Qt Mizunami copal

**PHYTOSEIOIDEA Berlese, 1916** ..... **Recent**

**BLATTISCOIIDAE Garman, 1948** ..... **Recent**

no fossil record

**OTOPHEIDOMENIDAE Treat, 1955** ..... **Recent**

no fossil record

**PHYTOSEIIDAE Berlese, 1916** ..... **Recent**

no fossil record

**DERMANYSSOIDEA Kolenati, 1859** ..... **Palaeogene – Recent**

**DASYPONYSSIDAE Fonseca, 1940** ..... **Recent**

no fossil record

**DERMANYSSIDAE Kolenati, 1859** ..... **Recent**

no fossil record

**ENTONYSSIDAE Ewing, 1922** ..... **Recent**

no fossil record

**HAEMOGAMASIDAE Oudemans, 1939** ..... **Recent**

no fossil record

**HALARACHNIDAE Oudemans, 1906** ..... **Recent**

no fossil record

**HIRSTIONYSSIDAE Evans & Till, 1966** ..... **Recent**

no fossil record

**HYSTRICHONYSSIDAE Keegan, Yunker & Baker, 1960** ..... **Recent**

no fossil record

**IPHIOPSIDIDAE Kramer, 1886** ..... **Recent**

no fossil record

**IXODORHYNCHIDAE Ewing, 1923** ..... **Recent**

no fossil record

**LAELAPIDAE Berlese, 1892** ..... **Palaeogene – Recent**

***Myrmozercon* Berlese, 1902** ..... **Palaeogene – Recent**

*Myrmozercon* sp. *in* Dunlop *et al*. (2014) ..... Pa Baltic amber

**LARVAMIMIDAE Elzinga, 1993** ..... **Recent**

no fossil record

**LEPTOLAELAPIDAE Karg, 1978** ..... **Recent**

no fossil record

**MACRONYSSIDAE Oudemans , 1936** ..... **Recent**

no fossil record

**MANITHERIONYSSIDAE Radovsky & Yunker, 1971** ..... **Recent**

no fossil record

**OMENTOLAELAPTIDAE Fain, 1961** ..... **Recent**

no fossil record

**PNEUMOPHIONYSSIDAE Fonseca, 1940** ..... **Recent**

no fossil record

**RAILLIETIIDAE Vitzthum, 1942** ..... **Recent**

no fossil record

**RHINONYSSIDAE Trouessart, 1895** ..... **Recent**

no fossil record

**SPELAEORHYNCHIDAE Oudemans, 1902** ..... **Recent**

no fossil record

**SPINTURNICIDAE Oudemans, 1902** ..... **Recent**

no fossil record

**TRICHOASPIDIDAE Gu, Wang & Li, 1991** ..... **Recent**

no fossil record

**VARROIDAE Delfinado & Baker, 1974** ..... **Recent**

no fossil record

***nomum dubium***

1. *Ixodes tertiarius* Scudder, 1885 ..... Pa Wyoming

*c*. 12,500 Recent species

# ACARIFORMES

314 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 *in* Zacharda & Krivoluckij, 1985**..... **Cretaceous**

23. *Mesoanystis taymirensis* Zacharda *in* Zacharda & Krivoluckij, 1985*..... K Siberian amber

† ***Palaeoerythracarus* Zacharda *in* Zacharda & Krivoluckij, 1985**..... **Palaeogene**

24. *Palaeoerythracarus sachalinensis* Zacharda *in* Zacharda & Krivoluckij, 1985*..... Pa Sachalin amber

**PSEUDOCHEYLIDAE Oudemans, 1909**..... **Recent**

= STIGMOCHEYLIDAE Kethley, 1990

no fossil record

**TENERIFFIIDAE Thor, 1911*b*** ..... **Paleogene – Recent**

Teneriffiidae sp. indet *in* Sayre *et al*. (1992) ..... Pa Baltic amber

**PARATYDEOIDEA Baker, 1949** ..... **Recent**

**PARATYDEIDAE Baker, 1949** ..... **Recent**

no fossil record

**STIGMOCHEYLIDAE Kethley, 1990** ..... **Recent**

no fossil record

**POMERANTZIOIDEA Baker, 1949** ..... **Recent**

**POMERANTZIIDAE Baker, 1949** ..... **Recent**

no fossil record

**PARASITENGONA Oudemans, 1909 (cohort)** ..... **Cretaceous – Recent**

**ERYTHRAIAE author, date? (subcohort)** ..... **Cretaceous – Recent**

**CALYPTOSTOMATOIDEA Oudemans, 1923** ..... **Recent**

**CALYPTOSTOMATIDAE Oudemans, 1923** ..... **Recent**

no fossil record

**ERYTHRAEOIDEA Grandjean, 1947*a*** ..... **Cretaceous – Recent**

larval Erythraeoidea *in* Zacharda & Krivoluckij (1985) ..... K Siberian amber

**ERYTHRAEIDAE Robineau-Desvoidy, 1828** ..... **Cretaceous – Recent**

= LEPTIDAE Billberg, 1820

= BALUSTIIDAE Grandjean, 1947

= † PROTERYTHRAEIDAE Vercammen-Grandjean, 1973

Erythraeidae sp. *in* Aoki (1974) ..... Qt Mizunami copal

Erythraeidae indet *in* Ross et al (2010) ..... K Burmese amber

† ***Arytaena*** **Menge, 1854 *in* C. L. Koch & Berendt, 1854** ..... **Paleogene**

25. *Arytaena troguloides* Menge *in* C. L. Koch & Berendt, 1854* ..... Pa Baltic amber

***Balaustium*** **von Heyden, 1826** ..... **Paleogene – Recent**

26. *Balaustium illustris* (C. L. Koch & Berendt, 1854) ..... Pa Baltic amber

***Erythraeus*** **Latrielle, 1806** ..... **Paleogene – Recent**

27. *Erythraeus bifrons* (Menge *in* C. L. Koch & Berendt, 1854) ..... Pa Baltic amber
28. *Erythraeus foveolatus* (C. L. Koch & Berendt, 1854) ..... Pa Baltic amber
29. *Erythraeus hirsutus* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber
30. *Erythraeus lagopus* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber
31. *Erythraeus longipes* (C. L. Koch & Berendt, 1854) ..... Pa Baltic amber
32. *Erythraeus proavus* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber
33. *Erythraeus procerus* (Menge *in* C. L. Koch & Berendt, 1854) ..... Pa Baltic amber

34. *Erythraeus raripilus* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber
35. *Erythraeus rostratus* (Menge *in* C. L. Koch & Berendt, 1854) ..... Pa Baltic amber
36. *Erythraeus saccatus* (C. L. Koch & Berendt, 1854) ..... Pa Baltic amber

***Leptus* Latrielle, 1796** ..... **Paleogene – Recent**

37. *Leptus incertus* (C. L. Koch & Berendt, 1854) ..... Pa Baltic amber

† ***Pararainbowia* Dunlop, 2007** ..... **Cretaceous**

38. *Pararainbowia martilli* Dunlop, 2007* ..... K Crato Formation

† ***Proterythraeus* Vercammen-Grandjean, 1973** ..... **Cretaceous**

39. *Proterythraeus southcotti* Vercammen-Grandjean, 1973* ..... K Manitoba amber

**SMARIDIDAE Vitzthum, 1929** ..... **Paleogene – Recent**

Smarididae indet *in* Penney (2010) ..... Ne Dominican amber
Smarididae indet *in* Perkovsky *et al*. (2010) ..... Pa Dominican amber

***Fessonia* von Heyden, 1826** ..... **Paleogene – Recent**

40. *Fessonia grabenhorsti* Bartel, Konikiewicz, Mąkol, Wohltmann & Dunlop, 2015 ..... Pa Baltic amber
41. *Fessonia groehni* Bartel, Konikiewicz, Mąkol, Wohltmann & Dunlop, 2015 ..... Pa Baltic amber
42. *Fessonia wunderlichi* Bartel, Konikiewicz, Mąkol, Wohltmann & Dunlop, 2015 ..... Pa Baltic amber

**TROMBIDIAE author, date? (subcohort)** ..... **Creteaceous – Recent**

**trombidiid mites?**

43. *Megameropsis aquensis* Gourret, 1887 ..... Pa Aix-en-Provence
44. *Pseudopachygnathus maculatus* Gourret, 1887 ..... Pa Aix-en-Provence

**AMPHOTROMBIOIDEA Zhang, 1998** ..... **Recent**

**AMPHOTROMBIIDAE, Zhang, 1998** ..... **Recent**

no fossil record

**ALLOTANAUPODOIDAE Zhang & Fan, 2007** ..... **Recent**

**ALLOTANAUPODIDAE Zhang & Fan, 2007** ..... **Recent**

no fossil record

**TANAUPODOIDEA Thor, 1935** ..... **Creteaceous – Recent**

**TANAUPODIDAE Thor, 1935** ..... **Creteaceous – Recent**

= ?AMPHOTROMBIIDAE Zhang, 1998
= TANAUPODASTRIDAE Feider, 1959

† ***Atanaupodus* Judson & Mąkol, 2009** ..... **Cretaceous**

45. *Atanaupodus bakeri* Judson & Mąkol, 2009 ..... K Archingeay amber

**CHYZERIOIDEA Womersley, 1954** ..... **Recent**

**CHYZERIIDAE Womersley, 1954** ..... **Recent**

no fossil record

**TROMBIDIOIDEA Leach, 1815** ..... **Paleogene – Recent**

**ACHAEMENOTHROMBIIDAE Saboori, Wohltmann & Hakimitabar, 2010** ..... **Recent**

no fossil record

**EUTROMBIDIIDAE Thor, 1935** ..... **Recent**

no fossil record

**MICROTROMBIDIIDAE Thor, 1935** ..... **Recent**

no fossil record

**NEOTHROMBIIDAE Feider, 1955** ..... **Recent**

no fossil record

**TROMBIDIIDAE Leach, 1815** ..... **Paleogene – Recent**

= PARATHROMBIIDAE Feider, 1959

***Allothrombium* Berlese, 1903** ..... **Paleogene – Recent**

46. *Allothrombium clavipes* (C. L. Koch & Berendt, 1854) ..... Pa Baltic amber

***Paratrombium* Bruyant, 1910** ..... **Paleogene – Recent**

47. *Paratrombium rovniense* Konikiewicz & Mąkol, 2014 ..... Pa Rovno amber

***Trombidium* Fabricius, 1775** ..... **Paleogene – Recent**

48. *Trombidium crassipes* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

49. *Trombidium granulatum* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

50. *Trombidium heterotrichum* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

51. *Trombidium scrobiculatum* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

NB: the next two families may be synonyms

**WALCHIIDAE Ewing, 1946** ..... **Recent**

no fossil record

**TROMBICULOIDEA Ewing, 1929** ..... **Recent**

**AUDYANIDAE Southcott, 1987** ..... **Recent**

no fossil record

**JOHNSTONIANIDAE Thor, 1935** ..... **Recent**

= NOTOTHROMBIIDAE Feider, 1959

no fossil record

**NEOTROMBIDIIDAE Feider, 1959** ..... **Recent**

no fossil record

**LEEUWENHOEKIIDAE Womersley, 1944** …… **Recent**

no fossil record

**TROMBELLIDAE Leach, 1815** …… **Recent**

no fossil record

**TROMBICULIDAE Ewing, 1929** …… **Recent**

= VATACARIDAE Southcott, 1957

no fossil record

**YUREBILLOIDEA Southcott, 1966** …… **Recent**

**YUREBILLIDAE Southcott, 1996** …… **Recent**

no fossil record

**HYDRACARNIDIAE van der Hoeven, 1849 (subcohort)** …… **Neogene – Recent**

= HYDRACHNIDIA author, date?

= HYDRACHNELLAE author, date?

**Undetermined water mites**

Hygrobatoidea, Arrenuroidea or Lebertiodea *in* Poinar (1985) ……Ne Dominican amber

**HYDRYPHANTOIDEA Piersig, 1896** …… **Recent**

**CTENOTHYADIDAE Lundblad, 1936** …… **Recent**

no fossil record

**EUPATRELLIDAE Viets, 1935** …… **Recent**

no fossil record

**HYDRODROMIDAE Viets, 1936** …… **Recent**

**=** DIPLODONTIDAE Lundblad, 1927

no fossil record

**HYDRYPHANTIDAE Piersig, 1896** …… **Recent**

**=** PROTZIIDAE Viets, 1926

no fossil record

**MALGASACARIDAE Tuzovskij, Gerecke & Goldschmidt, 2007** …… **Recent**

no fossil record

**RHYNCHOHYDRACARIDAE Lundblad, 1936** …… **Recent**

**=** CHATHROSPERCHONIDAE Lundblad, 1936

no fossil record

**TERATOTHYADIDAE Viets, 1929** ..... **Recent**

no fossil record

**THERMACARIDAE Sokolow, 1927** ..... **Recent**

no fossil record

**ZELANDOTHYADIDAE Cook, 1983** ..... **Recent**

no fossil record

**EYLAOIDEA Leach, 1815** ..... **Recent**

**APHEVIDERULICIDAE Gerecke, Smith & Cook, 1999** ..... **Recent**

no fossil record

**EYLAIDAE Leach, 1815** ..... **Recent**

no fossil record

**LIMNOCHARIDAE Grube, 1859** ..... **Recent**

no fossil record

**PIERSIGIIDAE Oudemans, 1902** ..... **Recent**

no fossil record

**HYDROVOLZIOIDEA Thor, 1905** ..... **Recent**

**ACHERONTACARIDAE Cook, 1967** ..... **Recent**

no fossil record

**HYDROVOLZIIDAE Thor, 1905** ..... **Recent**

= POLYXOHALACARIDAE Motas, 1972

no fossil record

**HYDRACHNOIDEA Leach, 1815** ..... **Recent**

**HYDRACHNIDAE Leach, 1815** ..... **Recent**

no fossil record

**LEBERTOIDEA Thor, 1900** ..... **Recent**

**ACUCAPITIDAE Wiles, 1996** ..... **Recent**

no fossil record

**ANISITSIELLIDAE Koenicke, 1910** ..... **Recent**

= MAMERSOPSIDAE Viets, 1914

no fossil record

**BANDAKIOPSIDAE Panesar, 2004** ..... **Recent**

no fossil record

**LEBERTIIDAE Thor, 1900** ..... **Recent**

no fossil record

**NILOTONIIDAE Viets, 1929** ..... **Recent**

no fossil record

**OXIDAE Viets, 1926** ..... **Recent**

no fossil record

**RUTRIPALPIDAE Solokow, 1834** ..... **Recent**

no fossil record

**SPERCHONTIDAE Thor, 1900** ..... **Recent**

no fossil record

**STYGOTONIIDAE Cook, 1992** ..... **Recent**

no fossil record

**TEUTONIDAE Koenike, 1910** ..... **Recent**

no fossil record

**TORRENTICOLIDAE Piersig, 1902** ..... **Recent**

= ATRACTIDEIDAE Thor, 1902

no fossil record

**HYGROBATOIDEA C. L. Koch, 1842** ..... **Recent**

**ASTACOCROTONIDAE Thor, 1927** ..... **Recent**

no fossil record

**ATURIDAE Thor, 1900** ..... **Recent**

**=** BRADYPODIDAE Thor, 1900 [preoccupied]

= AXONOPSIDAE Viets, 1929

**=** LJANIIDAE Thor, 1929

no fossil record

**FELTRIIDAE Viets, 1926** ..... **Recent**

no fossil record

**FERRADASIIDAE Cook, 1980** ..... **Recent**

no fossil record

**FRONTIPODOPSIDAE Viets, 1931** ..... **Recent**

no fossil record

**HYGROBATIDAE C. L. Koch, 1842*b*** ..... **Recent**

no fossil record

**LETHAXONIDAE Cook, Smith & Harvey, 2000** ..... **Recent**

no fossil record

**LIMNESIIDAE Thor, 1900** ..... **Recent**

**=** NEOTORRENTICOLIDAE Lundblad, 1936

**=** EPALLAGOPODIDAE Viets, 1953

no fossil record

**OMARTACARIDAE Cook, 1963** ..... **Recent**

no fossil record

**PIONIDAE Thor, 1900** ..... **Recent**

= CURVIPEDIDAE Thor, 1900

= ACERCIDAE Thor, 1909

= FORELIIDAE Thor, 1923

= NAUTARACHNIDAE Walter, 1925

= HYDROCHOREUTIDAE Viets, 1942

no fossil record

**PONTARACHNIDAE Koenicke, 1910** ..... **Recent**

no fossil record

**UNIONICOLIDAE Oudemans, 1909** ..... **Recent**

**=** ATRACIDAE Thor, 1900

= NEUMANIIDAE Thor, 1923

no fossil record

**WETTINIDAE Cook, 1956** ..... **Recent**

no fossil record

**ARRENUROIDEA Thor, 1900** ..... **Neogene – Recent**

**Family uncertain**

† ***Protoarrenurus* Cook *in* Palmer, 1957** ..... **Neogene – Recent**

52. *Protoarrenurus convergens* Cook *in* Palmer, 1957* ..... Ne Mojave Desert

**ACALYPTONOTIDAE Walter, 1911** ..... **Recent**

no fossil record

**AMOENACARIDAE Smith & Cook, 1997** ..... **Recent**

no fossil record

**ARENOHYDRACARIDAE Cook, 1974** ..... **Recent**

no fossil record

**ARRENURIDAE Thor, 1900** ..... **Recent**

no fossil record

**ATHIENEMANNIIDAE Viets, 1922** ..... **Recent**

= CHELOMIDEOPSIDAE Lundblad, 1962

no fossil record

**BOGATIIDAE Motas & Tanasachi, 1938** ..... **Recent**

no fossil record

**CHAPPUISIDIDAE Motas & Tanasachi, 1946** ..... **Recent**

no fossil record

**GRETACARIDAE Viets, 1978** ..... **Recent**

no fossil record

**HARPAGOPALPIDAE Viets, 1924** ..... **Recent**

no fossil record

**HUNGAROHYDRACACARIDAE Motas & Tanasachi, 1959** ..... **Recent**

no fossil record

**KANTACARIDAE Imamura, 1959** ..... **Recent**

no fossil record

**KRENDOWSKIIDAE Viets, 1926** ..... **Recent**

no fossil record

**LAVERSIIDAE Cook, 1955** ..... **Recent**

no fossil record

**MIDEIDAE Thor, 1911a** ..... **Recent**

no fossil record

**MIDEOPSIDAE Koenicke, 1910** ..... **Recent**

no fossil record

**MOMONIIDAE Viets, 1926** ..... **Recent**

= STYGOMOMONIDAE Szalay, 1943

no fossil record

**NEOACARIDAE Motas & Tanasachi, 1947** ..... **Recent**

no fossil record

**NIPPONACARIDAE Imamura, 1959** ..... **Recent**

no fossil record

**NUDOMIDEOPSIDAE Smith, 1990** ..... **Recent**

no fossil record

**UCHIDASTYGACARIDAE Imamura, 1956** ..... **Recent**

no fossil record

**STYGOTHROMBIAE Thor, 1935 (subcohort)** ..... **Recent**

**STYGOTHROMBOIDEA Thor, 1935** ..... **Recent**

**STYGOTHROMBIIDAE Thor, 1935** ..... **Recent**

**ELEUTHERENGONIDES Oudemans, 1909 (supercohort)** ..... **Cretaceous – Recent**

**RAPHIGNATHINA Kethley, 1982 (cohort)** ..... **Cretaceous – Recent**

**MYOBIOIDEA Mégnin, 1877** ..... **Recent**

**MYOBIIDAE Mégnin, 1877** ..... **Recent**

no fossil record

**PTERYGOSOMATOIDEA Oudemans, 1910** ..... **Recent**

**PTERYGOSOMATIDAE Oudemans, 1910** ..... **Recent**

no fossil record

**RAPHIGNATHOIDEA Kramer, 1877** ..... **Paleogene – Recent**

**BARBUTIIDAE Robaux, 1975** ..... **Recent**

no fossil record

**CALIGONELLIDAE Grandjean, 1944** ..... **Recent**

no fossil record

**CAMEROBIIDAE Southcott, 1957a** ..... **Paleogene – Recent**

***Neophyllobius* Berlese, 1886** ..... **Paleogene – Recent**

53. *Neophyllobius succineus* Bolland & Magowski, 1990 ..... Pa Baltic amber

**CRYPTOGNATHIDAE Oudemans, 1902** ..... **Paleogene – Recent**

no fossil record

**DASYTHYREIDAE Walter & Gerson, 1998** ..... **Recent**

no fossil record

**EUPALOPSELLIDAE Willmann, 1952** ..... **Recent**

no fossil record

**HOMOCALIGIDAE Wood, 1969** ..... **Recent**

no fossil record

**MECOGNATHIDAE Gerson & Walter, 1998** ..... **Recent**

no fossil record

**RAPHIGNATHIDAE Kramer, 1877** ..... **Recent**

no fossil record

**STIGMAEIDAE Oudemans, 1931** ..... **Paleogene – Recent**

***Mediolata* Canestrini, 1890** ..... **Paleogene – Recent**

54. *Mediolata eocenia* Kuznetsov, Khaustov & Perkovsky, 2010 ..... Pa Rovno amber

**XENOCALIGONELLIDIDAE Gonzalez, 1978** ..... **Recent**

no fossil record

**TETRANYCHOIDEA Donnadieu, 1876** ..... **Palaeogene – Recent**

**ALLOCHAETOPHORIDAE Reck, 1959** ..... **Recent**

no fossil record

**LINOTETRANIDAE Baker & Pritchard, 1953** ..... **Recent**

no fossil record

**TENUIPALPIDAE Berlese, 1913** ..... **Recent**

no fossil record

**TETRANYCHIDAE Donnadieu, 1876** ..... **Palaeogene – Recent**

= BRYOBIIDAE Berlese, date?

***Metatetranychus* Oudemans, 1931** ..... **Palaeogene – Recent**

55. *Metatetranychus gibbus* (C. L. Koch & Berendt, 1854) ..... Pa Baltic amber

***Schizotetranychus* Trägårdh, 1915** ..... **Palaeogene – Recent**

56. *Schizotetranychus brevipes* (C. L. Koch & Berendt, 1854) ..... Pa Baltic amber

**TUCKERELLIDAE Baker & Pritchard, 1953** ..... **Recent**

no fossil record

**CHEYLETOIDEA Leach, 1815** ..... **Cretaceous – Recent**

**CHEYLETIDAE Leach, 1815** ..... **Cretaceous – Recent**

Chelytidae sp. indet *in* Bradley (1931) ..... Pa Green River

***Cheyletus* Latreille, 1796** ..... **Cretaceous – Recent**

57. *Cheyletus burmiticus* Cockerell, 1917*b* ..... K Burmese amber

58. *Cheyletus portentosus* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

**DEMODECIDAE Nicolet, 1855** ..... **Recent**

no fossil record

**HARPIRHYNCHIDAE Dubinin, 1957** ..... **Recent**

no fossil record

**OPHIOPTIDAE Southcott, 1956** ..... **Recent**

no fossil record

**PSORERGATIDAE Dubinin *in* Bregatova *et al*., 1955** ..... **Recent**

no fossil record

**SYRINGOPHILIDAE Laviopierre, 1953** ..... **Recent**

no fossil record

**HETEROSTIGMATINA Berlese, 1899 (cohort)** ..... **Cretaceous – Recent**

**TARSOCHEYLOIDEA Atyeo & Baker, 1964** ..... **Recent**

**TARSOCHEYLIDAE Atyeo & Baker, 1964** ..... **Recent**

no fossil record

**HETEROCHEYLOIDEA Trägårdh, 1950** ..... **Recent**

**HETEROCHEYLIDAE Trägårdh, 1950** ..... **Recent**

no fossil record

**DOLICHOCYBOIDEA Mahunka, 1970** ..... **Recent**

**CROTALOMORPHIDAE Lindquist & Kranz, 2002** ..... **Recent**

no fossil record

**DOLICHOCYBIDAE Mahunka, 1970** ..... **Recent**

no fossil record

**TROCHOMETRIDIOIDEA Mahunka, 1970** ..... **Recent**

**ATHYREACARIDAE Lindquist Kaliszewski & Rack, 1990** ..... **Recent**

= BEMBIDIACARIDAE Khuastov, 2000

no fossil record

**TROCHOMETRIDIIDAE Mahunka, 1970** ..... **Recent**

no fossil record

**SCUTACAROIDEA Oudemans, 1916** ..... **Recent**

**MICRODISPIDAE Cross, 1965** ..... **Recent**

no fossil record

**SCUTACARIDAE Oudemans, 1916** ..... **Recent**

no fossil record

**PYGEMEPHOROIDEA Cross, 1965** ..... **Palaeogene – Recent**

Pygmephoroidea sp. *in* Magowski (1995) ..... Pa Baltic amber

**NEOPYGMEPHORIDAE Cross, 1965** ..... **Recent**

no fossil record

**PYGMEPHORIDAE Cross, 1965** ..... **Recent**

no fossil record

**SITEROPTIDAE Mahunka, 1970** ..... **Recent**

no fossil record

**PYEMOTOIDEA Oudemans, 1937** ..... **Cretaceous – Recent**

**ACAROPHENACIDAE Cross, 1965** ..... **Cretaceous – Recent**

† ***Protophenax*** **Magowski, 1994** ..... **Cretaceous**

59. *Protophenax kotejii* Magowski, 1994* ..... K Russian amber

**CARABOACARIDAE Mahunka, 1970** ..... **Recent**

no fossil record

**PYEMOTIDAE Oudemans, 1937** ..... **Recent**

= TROCHOMETRIDAE Mahunka, 1970

***Pyemotes*** **Amerling, 1862** ..... **Palaeogene – Recent**

60. *Pyemotes primus* Khaustov & Perkovsky, 2010 ..... Pa Rovno amber

**RESINACARIDAE Mahunka, 1975** ..... **Cretaceous –Rcent**

***Protoresinacaris*** **Khaustov & Poinar, 2010** ..... **Cretaceous**

61. *Protoresinacars brevipedis* Khaustov & Poinar, 2010* ..... K Burmese amber

**TARSONEMOIDEA Canestrini & Fanzago, 1877** ..... **Quaternary – Recent**

**PODAPOLIPIDAE Ewing, 1922** ..... **Recent**

no fossil record

**TARSONEMIDAE Canestrini & Fanzango, 1877** ..... **Quaternary – Recent**

Tarsonemidae sp. *in* Aoki (1974) ..... Qt Mizunami copal

**Cohort *incertae sedis***

**CLOACAROIDEA Camin, Moss, Oliver & Singer, 1967** ..... **Recent**

**CLOACARIDAE Camin, Moss, Oliver & Singer, 1967** ..... **Recent**

no fossil record

**EPIMYODICIDAE Fain, Lukoschus & Rosmalen, 1982** ..... **Recent**

no fossil record

**SARCOPTIFORMES author, date? (suborder)** ..... **Devonian – Recent**

**ENDEOSTIGMATA author, date? (infraorder)** ..... **Devonian – Recent**

= PACHYGNATHINA author, date?

**ALYCINA author, date? (cohort)**

**ALYCOIDEA Canestrini & Fanzago, 1877** ..... **Devonian – Recent**

**ALYCIDAE Canestrini & Fanzago, 1877** ..... **Devonian – Recent**

= PACHYGNATHIDAE Kramer, 1877

= BIMICHAELIIDAE Womersley, 1944

† ***Protacarus* Hirst, 1923** ..... **Devonian**

62. *Protacarus crani* Hirst, 1923* ..... D Rhynie chert

**GRANDJEANICIDAE Kethley, 1977a** ..... **Recent**

no fossil record

**MICROPSAMMIDAE Coineau & Theorn, 1983** ..... **Recent**

no fossil record

**NANORCHESTIDAE Grandjean, 1937** ..... **Devonian – Recent**

† ***Protospeleorchestes* Dubinin, 1962** ..... **Devonian – Recent**

63. *Protospeleorchestes pseudoprotacarus* Dubinin, 1962* ..... D Rhynie chert

**NEMATALYCINA author, date? (cohort)** ..... **Recent**

**NEMATALYCOIDEA Strenke, 1954** ..... **Recent**

**NEMATALYCIDAE Strenke, 1954** ..... **Recent**

no fossil record

**PROTONEMATALYCIDAE Kethley, 1989** [superfamily correct?] ..... **Recent**

no fossil record

**TERPNACARINA** author, date? **(cohort)** ..... **Recent**

**OEHSERCHESTOIDEA Kethley, 1977*a*** ..... **Recent**

**OEHSERCHESTIDAE Kethley, 1977*a*** ..... **Recent**

no fossil record

**TERPNACAROIDEA Grandjean, 1939** ..... **Recent**

**TERPNACARIDAE Grandjean, 1939** ..... **Recent**

no fossil record

**ALICORHAGIINA** author, date? **(cohort)** ..... **Devonian – Recent**

**ALICORHAGIOIDEA Grandjean, 1939** ..... **Devonian – Recent**

**ALICORHAGIIDAE Grandjean, 1939** ..... **Devonian – Recent**

† ***Archaeacarus* Kethley & Norton *in* Kethley *et al*., 1989** ..... **Devonian**

64. *Archaeacarus dubinini* Kethley & Norton *in* Kethley *et al*., 1989* ..... D Gilboa

† ***Pseudoprotacarus* Dubinin, 1962** ..... **Devonian**

65. *Pseudoprotacarus scoticus* Dubinin, 1962* ..... D Rhynie chert

**ORIBATIDA Dugès, 1834 (infraorder)** ..... **Devonian – Recent**

= CRYPTOSTIGMATA author, date?

NB: see remarks on the Ordovician fossil above

**PALAEOSOMATA Grandjean, 1969 (supercohort)** ..... **Devonian–Recent**

family uncertain

† ***Marcvipeda* Pérez-DA, 1988** ..... **Palaeogene**

66. *Marcvipeda magallanes* Pérez-DA, 1988* [Acari *incertae sedis*?] ..... Pa Patagonia, Chile

**ACARONYCHOIDEA Grandjean, 1932** ..... **Recent**

**ACARONYCHIDAE Grandjean, 1932*b*** ..... **Recent**

no fossil record

**ARCHAEONOTHRIDAE Grandjean, 1932** ..... **Recent**

no fossil record

**CTENACAROIDEA Grandjean, 1954*c*** ..... **Devonian – Recent**

**ADELPHACARIDAE Grandjean, 1954*c*** ..... **Carbon. – Recent**

† ***Monoaphelacarus* Subías & Arillo, 2002** ..... **Carboniferous**

67. *Monoaphelacarus carboniferus* Subías & Arillo, 2002* ..... C County Antrim

**APHELACARIDAE Grandjean, 1954*c*** ..... **Recent**

no fossil record

**CTENACARIDAE Grandjean, 1954*b*** ..... **Devonian – Recent**

† ***Ctenacaronychus* Subías & Arillo, 2002** ..... **Devonian**

68. *Ctenacaronychus nortoni* Subías & Arillo, 2002* ..... D New York

† ***Palaeoctenacarus* Subías & Arillo, 2002** ..... **Carboniferous**

69. *Palaeoctenacarus simmsoi* Subías & Arillo, 2002* ..... C County Antrim

**PALAEACAROIDEA Grandjean, 1932*b*** ..... **Recent**

**PALAEACARIDAE Grandjean, 1932*b*** ..... **Recent**

no fossil record

**ENARTHRONOTA Grandjean, 1947*b* (supercohort)** ..... **Devonian – Recent**

**superfamily uncertain**

† **DEVONACARIDAE Norton *in* Norton *et al*., 1988** ..... **Devonian**

† ***Devonacarus* Norton *in* Norton *et al*., 1988** ..... **Devonian**

70. *Devonacarus sellnicki* Norton *in* Norton *et al*., 1988* ..... D Gilboa

† **PROTOCHTHONIIDAE Norton *in* Norton *et al*., 1988** ..... **Devonian**

† ***Protochthonius* Norton *in* Norton *et al*., 1988** ..... **Devonian**

71. *Protochthonius gilboa* Norton *in* Norton *et al*., 1988* ..... D Gilboa

**BRACHYCHTHONIOIDEA Thor, 1934** ..... **Paleogene – Recent**

**BRACHYCHTHONIIDAE Thor, 1934** ..... **Paleogene – Recent**

***Brachychthonius* Berlese, 1910** ..... **Paleogene – Recent**

*Brachychthonius* sp. *in* Sellnick (1931) ..... Pa Baltic amber

**ATOPOCHTHONIOIDEA Grandjean, 1948** ..... **Recent**

**ATOPOCHTHONIIDAE Grandjean, 1948** ..... **Recent**

no fossil record

**PHYLLOCHTHONIIDAE Travé, 1967** ..... **Recent**

no fossil record

**PTEROCHTHONIIDAE Grandjean, 1950** ..... **Recent**

no fossil record

**HYPOCHTHONIOIDEA Berlese, 1910** ..... **Carbon. – Recent**

**ENIOCHTHONIIDAE Grandjean, 1947*b*** ..... **Recent**

no fossil record

**HYPOCHTHONIIDAE Berlese, 1910** ..... **Carbon. – Recent**

***Hypochthonius* C. L. Koch, 1835** ..... **Quaternary – Recent**

72. *Hypochthonius rufulus* C. L. Koch, 1835 **[Recent]** ..... Qt Finland

† ***Palaeohypochthonius*** **Subías & Arillo, 2002** ..... **Carboniferous**

73. *Palaeohypochthonius jerami* Subías & Arillo, 2002* ..... C County Antrim

**LOHMANNIIDAE Berlese, 1916** ..... **Recent**

= XENOLOHMANNIDAE Balogh & Mahunka, 1969

no fossil record

**MESOPLOPHORIDAE Ewing, 1917** ..... **Recent**

= ARCHOPLOPHORIDAE Grandjean, 1965

no fossil record

**PROTOPLOPHOROIDEA Ewing, 1917** ..... **Carbon. – Recent**

**COSMOCHTHONIIDAE Grandjean, 1947*b*** ..... **Carbon. – Recent**

† ***Carbochthonius*** **Subías & Arillo, 2002** ..... **Carboniferous**

74. *Carbochthonius antrimensis* Subías & Arillo, 2002* ..... C County Antrim

**HAPLOCHTHONIIDAE van der Hammen, 1959** ..... **Recent**

no fossil record

**PEDICULOCHELIDAE Lavoipierre, 1946** ..... **Recent**

no fossil record

**PROTHOPLOPHORIDAE Ewing, 1917** ..... **Carbon. – Recent**

= APOPLOPHORIDAE Niedbała, 1984

† ***Archaeoplophora*** **Subías & Arillo, 2002** ..... **Carboniferous**

75. *Archaeoplophora bella* Subías & Arillo, 2002* ..... C County Antrim

**SPHAEROCHTHONIIDAE Grandjean, 1947*b*** ..... **Recent**

no fossil record

**HETEROCHTHONOIDEA Grandjean, 1954*b*** ..... **Recent**

**ARBORICHTHONIIDAE Balogh & Balogh, 1992** ..... **Recent**

no fossil record

**HETEROCHTHONIIDAE Grandjean, 1954*b*** ..... **Recent**

no fossil record

**TRICHTOCHTHONIIDAE Lee, 1982** ..... **Recent**

no fossil record

**PARHYPOSOMATA Grandjean, 1969 (supercohort)** ..... **Carbon. – Recent**

**PARHYPOCHTHONIOIDEA Grandjean, 1932*b*** ..... **Carbon. – Recent**

**ELLIPTOCHTHONIIDAE Norton, 1975** ..... **Recent**

no fossil record

**GEHYPOCHTHONIIDAE Strenzke, 1963** ..... **Carbon. – Recent**

† ***Gehypochthonimimus* Subías & Arillo, 2002** ..... **Carboniferous**

76. *Gehypchthonimimus hibernicus* Subías & Arillo, 2002* ..... C County Antrim

**PARHYPOCHTHONIIDAE Grandjean, 1932*b*** ..... **Recent**

no fossil record

**MIXONOMATA Grandjean, 1969 (supercohort)** ..... **Carbon. – Recent**

**SUPERFAMILY UNCERTAIN**

† **CARBOLOHMANNIIDAE Sidorchuk & Robin *in* Robin *et al.* (2016)** ..... **Carboniferous**

† ***Carbolohmannia* Sidorchuk & Robin *in* Robin *et al*. (2016)** ..... **Carboniferous**

77. *Carbolohmannia maimaiphilus* Sidorchuk & Robin *in* Robin *et al*. (2016)* C Xiaheyan, China

**NEHYPOCHTHONOIDEA Norton & Metz, 1980** ..... **Recent**

**NEHYPOCHTHONIIDAE Norton & Metz, 1980** ..... **Recent**

no fossil record

**EULOHMANNOIDEA Grandjean, 1931** ..... **Recent**

**EULOHMANNIIDAE Grandjean, 1931** ..... **Recent**

no fossil record

**PERLOHMANNIOIDEA Grandjean, 1954*b*** ..... **Recent**

**PERLOHMANNIIDAE Grandjean, 1954*b*** ..... **Recent**

no fossil record

**EPILOHMANNIOIDEA Oudemans, 1923** ..... **Recent**

**EPILOHMANNIIDAE Oudemans, 1923** ..... **Recent**

= LESSIRIIDAE Oudemans, 1916

no fossil record

**COLLOHMANNIOIDEA Grandjean, 1958*a*** ..... **Paleogene – Recent**

**COLLOHMANNIIDAE Grandjean, 1958*a*** ..... **Paleogene – Recent**

***Collohmannia* Sellnick, 1922** ..... **Paleogene – Recent**

78. *Collohmannia schusteri* Norton, 2006 ..... Pa Baltic amber

† ***Embolacarus* Sellnick, 1919** ..... **Palaeogene – Recent**

79. *Embolacarus pergratus* Sellnick, 1919* ..... Pa Baltic amber

**EUPYCTIMA Grandjean, 1967** ..... **Palaeogene – Recent**

NB: Eupyctima is listed here as a mixonomatid clade, but is not recognised in all classifications, or else is removed from this group and given equal rank

**EUPHTHIRACAROIDEA Jacot, 1930** ..... **Palaeogene – Recent**

**EUPHTHIRACARIDAE Jacot, 1930** ..... **Palaeogene – Recent**

***Microtritia* Märkel, 1964** ..... **Quaternary – Recent**

80. *Microtritia minima* (Berlese, 1904) **[Recent]** ..... Qt Germany

***Rhysotritia* Märkel & Meyer, 1959** ..... **Quaternary – Recent**

81. *Rhysotritia ardua* (C. L. Koch, 1841) **[Recent]** ..... Qt Germany

82. *Rhysotritia duplicata* (Grandjean, 1953) **[Recent]** ..... Qt Germany

**ORIBOTRITIIDAE Grandjean, 1954b** ..... **Palaeogene – Recent**

= SABAHTRITIIDAE Mahunka, 1987

***Oribotritia* Jacot, 1924** ..... **Palaeogene – Recent**

83. *Oribotritia pyropus* (Sellnick, 1919) ..... Pa Baltic amber

84. *Oribotritia translucida* Sellnick, 1931 ..... Pa Baltic amber

**SYNICHOTRITIIDAE Walker, 1965** ..... **Recent**

no fossil record

**PHTHIRACAROIDEA Perty, 1841** ..... **Palaeogene – Recent**

**PHTHIRACARIDAE Perty, 1841** ..... **Palaeogene – Recent**

= STEGANACARIDAE Niedbała, 1986

***Hoplophthiacarus* Jacot, 1933** ..... **Quaternary – Recent**

85. *Hoplophthiacarus pavidus* (Berlese, 1913) **[Recent]** ..... Qt Karelia, Russia

***Phthiacarus* Perty, 1841** ..... **Palaeogene – Recent**

86. *Phthiacarus borealis* Trägardh, date? **[Recent]** ..... Qt Karelia, Russia

87. *Phthiacarus multipunctus* (Sellnick, 1919) ..... Pa Baltic amber

***Steganacarus* Ewing, 1917a** ..... **Quaternary – Recent**

88. *Steganacarus applicatus* (Sellnick, 1920) **[Recent]** ..... Qt Denmark

89. *Steganacarus carinatus* (C. L. Koch, 1841) **[Recent]** ..... Qt Finland

90. *Steganacarus striculus* (C. L. Koch, 1835) **[Recent]** ..... Qt Europe

*Steganacarus* sp. ..... Qt Finland

**DESMONOMATA Woodley, 1873 (supercohort)** ..... **Jurassic – Recent**

**NOTHRINA van der Hammen, 1982 (cohort)** ..... **Jurassic – Recent**

= HOLOSOMATA author, date?

**CROTONIOIDEA Thorell, 1876** ..... **Jurassic – Recent**

**CAMISIIDAE Oudemans, 1900** ..... **Cretaceous – Recent**

***Camisia* von Heyden, 1826** ..... **Paleogene – Recent**

91. *Camisia foveolata* Hammer, 1955 **[Recent]** ..... Qt western Norway

92. *Camisia horrida* **[Recent]** *fossilis* Sellnick, 1919 ..... Pa Baltic amber

i. = *Nothrus kuehli* Karsch, 1884 ..... Pa Baltic amber

NB: unclear why the older name is the synonym

93. *Camisia invenusta* (Michael, 1888) **[Recent]** ..... Qt western Norway

94. *Camisia lapponica* Trägårdh, 1910 **[Recent]** ..... Qt Karelia, Russia

† ***Eocamisia* Bulanova-Zachvatkina, 1974** ..... **Cretaceous**

95. *Eocamisia sukatshevae* Bulanova-Zachvatkina, 1974* ..... K Siberian amber

***Platynothrus* Berlese, 1913** ..... **Quaternary – Recent**

96. *Platynothrus peltifer* (C. L. Koch, 1839) **[Recent]** ..... Qt Greenland

97. *Platynothrus punctatus* (L. Koch, 1879) **[Recent]** ..... Qt northern Europe

**CROTONIIDAE Thorell, 1876** ..... **Neogene – Recent**

= HOLONOTHRIDAE Wallwork, 1963

***Crotonia* Thorell, 1876** ..... **Neogene – Recent**

98. *Crotonia ramus* (Womersley, 1957) ..... Ne Australian retinite

**HERMANNIIDAE Sellnick, 1928** ..... **Palaeogene – Recent**

= GALAPAGACARIDAE P. Balogh, 1985

***Hermannia* Nicolet, 1855** ..... **Palaeogene – Recent**

99. *Hermannia gibba* (C. L. Koch, 1839) **[Recent]** ..... Qt Finland

100. *Hermannia reticulata* Thorell, 1871 **[Recent]** ..... Qt Subarctic – Arctic

101. *Hermannia scabra* (L. Koch, 1879) **[Recent]** ..... Qt Greenland

102. *Hermannia sellnicki* Norton, 2006 ..... Pa Baltic amber

**MALACONOTHRIDAE Berlese, 1916** ..... **Quaternary – Recent**

***Malaconothrus* Berlese, 1904** ..... **Quaternary – Recent**

103. *Malaconothrus monodactylus* (Michael, 1888) **[Recent]** ..... Qt Europe

***Trimalaconothrus* Berlese, 1916** ..... **Quaternary – Recent**

104. *Trimalaconothrus maior* (Berlese, 1910) **[Recent]** ..... Qt northern Europe

**NANHERMANNIIDAE Sellnick, 1928** ..... **Quaternary – Recent**

***Nanhermannia* Berlese, 1913** ..... **Quaternary – Recent**

105. *Nanhermannia coronata* Berlese, 1913 **[Recent]** ..... Qt Karelia, Russia

106. *Nanhermannia elegantula* Berlese, 1913 **[Recent]** ..... Qt Germany

**NOTHRIDAE Berlese, 1896** ..... **Cretaceous – Recent**

***Nothrus* C. L. Koch, 1836** ..... **Cretaceous – Recent**

107. *Nothrus illautus* Sellnick, 1919 ..... Pa Baltic amber

108. *Nothrus punctulum* Karsch, 1884 ..... Pa Baltic amber

109. *Nothrus silvestris* Nicolet, 1855 **[Recent]** ..... Qt Europe

110. *Northrus vasquezae* Arillo & Subías *in* Arillo *et al*., 2016 ..... K Spanish amber

**TRHYPOCHTHONIIDAE Willmann, 1931** ..... **Jurassic – Recent**

= ALLONOTHRIDAE Lee, 1985

= MUCRONOTHRIDAE Kunst, 1972

= XXXXX Badejo, Woas & Beck, 2002

= TRHYPOCHTHONIELLIDAE Knülle, 1957

***Afronothrus* Wallwork, 1961** ..... **Cretaceous – Recent**

111. *Afronothrus ornosae* Arillo & Subías *in* Arillo *et al.*, 2016 ..... K Spanish amber

***Allonothrus* van der Hammen, 1953** ..... **Neogene – Recent**

*Allonothrus* sp. *in* Norton & Poinar (1993) ..... Ne Dominican amber

† ***Juracarus* Krivolutsky *in* Krivolutsky & Krasilov, 1977** ..... **Jurassic – Recent**

112. *Juracarus serratus* Krivolutsky *in* Krivolutsky & Krasilov, 1977 ..... J Russian far east

***Mucronothrus* Trägårdh, 1931** ..... **Quaternary – Recent**

113. *Mucronothrus nasalis* (Willmann, 1929) **[Recent]** ..... Qt Karelia, Russia

† ***Palaeochthonius* Krivolutsky *in* Krivolutsky & Krasilov, 1977** ..... **Jurassic – Recent**

114. *Palaeochthonius krasilovi* Krivolutsky *in* Kriv. & Krasilov, 1977 ..... J Russian far east

***Trhypochthonius* Berlese, 1904** ..... **Cretaceous – Recent**

115. *Trhypochthonius badiformis* Sellnick, 1931 ..... Pa Baltic amber

116. *Trhypochthonius cladonicola* (Willmann, 1919) **[Recent]** ..... Qt Germany

117. *Trhypochthonius corniculatus* Sellnick, 1931 ..... Pa Baltic amber

118. *Trhypochthonius lopezvallei* Arillo, Subías & Shtanchaeva, 2012 ..... K San Just amber

119. *Trhypochthonius tectorum* (Berlese, 1896) **[Recent]** ..... Qt Karelia, Russia

## BRACHYPYLINA Hull, 1918 (cohort) ..... Jurassic – Recent

= CIRCUMDEHISCENTIAE Grandjean, 1954*b*

= PORONOTA Grandjean, 1954*b* [in part; taxon used for seven brachypyline superfamilies]

### superfamily uncertain

**ARIBATIDAE Aoki, Takaku & Ito, 1994** ..... **Recent**

no fossil record

**HERMANNIELLOIDEA Grandjean, 1934** ..... **Paleogene – Recent**

**HERMANNIELLIDAE Grandjean, 1934** ..... **Paleogene – Recent**

***Hermanniella* Berlese, 1908** ..... **Paleogene – Recent**

120. *Hermanniella concamerata* Sellnick, 1931 ..... Pa Baltic amber

121. *Hermanniella tuberculata* Sellnick, 1919 ..... Pa Baltic amber

***Sacculobates* Grandjean, 1962** ..... **Neogene – Recent**

*Sacculobates* sp. *in* Norton & Poinar (1993) ..... Ne Dominican amber

**PLASMOBATIDAE Grandjean, 1961*a*** ..... **Recent**

no fossil record

**NEOLIODOIDEA Sellnick, 1928** ..... **Cretaceous – Recent**

= LIODOIDEA Grandjean, 1954*b*

**NEOLIODIDAE Sellnick, 1928** ..... **Cretaceous – Recent**

= LIODIDAE Grandjean, 1954*b*

***Neoliodes*** **Berlese, 1888** ..... **Palaeogene – Recent**

= *Liodes* von Heyden, 1826 [preoccupied]

122. *Neoliodes brevitarsus* (Woolley, 1971) ..... Ne Chiapas amber

123. *Neoliodes dominicus* Heethoff, Helfen & Norton, 2009 ..... Ne Dominican amber

124. *Neoliodes quadriscutatus* Sellnick, 1919 ..... Pa Baltic amber

*Neoliodes* sp. *in* Norton & Poinar (1993) [as *Liodes*] ..... Ne Dominican amber

***Platyliodes*** **Berlese, 1917** ..... **Cretaceous – Recent**

125. *Platyliodes ensigerus* (Sellnick, 1919) ..... Pa Baltic amber

126. *Platyliodes sellnicki* Arillo & Subías *in* Arillo *et al*., 2016 ..... K Spanish amber

***Teleoliodes*** **author, date?** ..... **Neogene – Recent**

*Teleoliodes* sp. *in* Norton & Poinar (1993) ..... Ne Dominican amber

**PLATEREMAEOIDEA Trägårdh, 1926** ..... **Cretaceous – Recent**

= GYMNODAMAEOIDEA Grandjean, 1954*a*

**ALEURODAMAEIDAE Paschoal & Johnston, 1985** ..... **Recent**

no fossil record

**GYMNODAMAEIDAE Grandjean, 1954*a*** ..... **Paleogene – Recent**

***Gymnodamaeus*** **Kulczynski, 1902** ..... **Paleogene – Recent**

127. *Gymnodamaeus sepotisus* Sellnick, 1919 ..... Pa Baltic amber

**IDIODAMAEIDAE Paschoal, 1987** ..... **Recent**

no fossil record

**LICNOBELBIDAE Grandjean, 1965*a*** ..... **Recent**

no fossil record

**LICNODAMAEIDAE Grandjean, 1954*b*** ..... **Recent**

= NACUNANSELLIDAE author, date

no fossil record

**LYRIFISSIELLIDAE Paschoal, 1987** ..... **Recent**

no fossil record

**PEDROCORTESELLIDAE Paschoal, 1987** ..... **Recent**

no fossil record

**PHEROLIODIDAE Paschoal, 1987** ..... **Recent**

= HAMMERIELLIDAE Paschoal, 1987

= NOOLIODIDAE Paschoal, 1989d

no fossil record

**PLATEREMAEIDAE Trägårdh, 1926** ..... **Cretaceous – Recent**

***Rasnitsynella* Krivoluckij, 1976** ..... **Cretaceous**

128. *Rasnitsynella punctulata* Krivoluckij, 1976 ..... K Taymir amber

**DAMAEOIDEA Berlese, 1896** ..... **Paleogene – Recent**

**DAMAEIDAE Berlese, 1896** ..... **Paleogene – Recent**

Damaeidae sp. *in* Aoki (1974) ..... Qt Mizunami copal

***Belba* von Heyden, 1826** ..... **Quaternary – Recent**

129. *Belba compta* (Kulczynski, 1902) **[Recent]** ..... Qt western Norway

130. *Belba cornyops* (Hermann, 1804)* **[Recent]** ..... Qt Finland

† ***Belbites* Pampaloni, 1902** ..... **Neogene**

131. *Belbites disodilis* Pampaloni, 1902* ..... Ne? Sicily

***Damaeobelba* Sellnick, 1928** ..... **Quaternary – Recent**

132. *Damaeobelba minutissima* (Sellnick, 1920) **[Recent]** ..... Qt Germany

***Damaeus* C. L. Koch, 1835** ..... **Paleogene – Recent**

133. *Damaeus auritus* C. L. Koch, 1835* **[Recent]** ..... Qt Finland

134. *Damaeus genadensis* Sellnick, 1931 ..... Pa Baltic amber

***Spatiodamaeus* Bulanova-Zachvatkina, 1967** ..... **Quaternary – Recent**

135. *Spatiodamaeus verticillipes* (Nicolet, 1855)* **[Recent]** ..... Qt Finland

**CEPHEOIDEA Berlese, 1896** ..... **Cretaceous – Recent**

= EUTEGOIDEA Balogh, 1965

**ANDEREMAEIDAE Balogh, 1972** ..... **Recent**

no fossil record

**CEPHEIDAE Berlese, 1896** ..... **Cretaceous – Recent**

= COMPATOZETIDAE Luxton, 1988

***Cepheus* C. L. Koch, 1835** ..... **Paleogene – Recent**

136. *Cepheus cepheiformis* (Nicolet, 1855) **[Recent]** ..... Qt Finland

137. *Cepheus dentatus* (Michael, 1888) **[Recent]** ..... Qt Finland

138. *Cepheus implicatus* (Sellnick, 1919) ..... Pa Baltic amber

139. *Cepheus latus* C. L. Koch, 1835* **[Recent]** ..... Qt Finland

***Eupterotegaeus* Berlese, 1916** ..... **Cretaceous – Recent**

140. *Eupterotegaeus bitranslamellatus* Arillo & Subías, 2002 ..... K Álava amber

***Ommatocepheus* Berlese, 1913** ..... **Cretaceous – Recent**

141. *Ommatocepheus nortoni* Arillo, Subías & Shtanchaeva, 2008 ..... K Álava amber

**CEROCEPHEIDAE Mahunka, 1986** ..... **Recent**

no fossil record

**EUTEGAEIDAE Balogh, 1965** ..... **Recent**

= PTEROZETIDAE Luxton, 1988

no fossil record

**MICROTEGEIDAE Balogh, 1972** ..... **Recent**

no fossil record

**NODOCEPHEIDAE Piffl, 1972** ..... **Recent**

no fossil record

**NOSYBEIDAE Mahunka, 1994** ..... **Recent**

no fossil record

**PTEROBATIDAE Balogh & Balogh, 1992** ..... **Recent**

no fossil record

**POLYPTEROZETOIDEA Grandjean, 1959** ..... **Recent**

**PODOPTEROTEGAEIDAE Piffl, 1972** ..... **Recent**

no fossil record

**POLYPTEROZETIDAE Grandjean, 1959** ..... **Recent**

no fossil record

**TUMEROZETIDAE Hammer, 1966** ..... **Recent**

no fossil record

**MICROZETOIDEA Grandjean, 1936*a*** ..... **Neogene – Recent**

**MICROZETIDAE Grandjean, 1936*a*** ..... **Neogene – Recent**

***Amiracarus* Miko *in* Miko *et al*. (2013)** ..... **Neogene – Recent**

142. *Amiracarus pliocennatus* Miko *in* Miko *et al*. (2013) ..... Ne Slovenian Karst

143. *Amiracrus senensis* (Bernini, 1975) *in* Miko *et al*. (2013)* **[Recent]** ..... Qt Romanian caves

**AMEROIDEA Bulanova-Zachvatkina, 1957** ..... **Palaeogene – Recent**

= AMEROBELBOIDEA Grandjean, 1954*b*

= CALEREMEIOIDEA Grandjean, 1965*c*

**AMERIDAE Bulanova-Zachvatkina, 1957** ..... **Recent**

no fossil record

**AMEROBELBIDAE Grandjean, 1961*b*** ..... **Recent**

no fossil record

**BASILOBELBIDAE Balogh, 1961** ..... **Recent**

no fossil record

**CALEREMAEIDAE Grandjean, 1965*c*** ..... **Palaeogene – Recent**

***Caleremaeus*** **Berlese, 1910** ..... **Palaeogene – Recent**

144. *Caleremaeus gleso* Sellnick, 1931 ..... Pa Baltic amber

**CTENOBELBIDAE Grandjean, 1965*b*** ..... **Recent**

no fossil record

**DAMAEOLIDAE Grandjean, 1965*b*** ..... **Recent**

no fossil record

**EREMOBELBIDAE Balogh, 1961** ..... **Recent**

no fossil record

**EREMULIDAE Grandjean, 1965*b*** ..... **Recent**

no fossil record

**HETEROBELBIDAE Balogh, 1961** ..... **Recent**

no fossil record

**HUNGAROBELBIDAE Miko & Travé, 1996** ..... **Recent**

no fossil record

**STAUROBATIDAE Grandjean, 1966** ..... **Recent**

no fossil record

**ZETORCHESTOIDEA Michael, 1898** ..... **Cretaceous – Recent**

= EREMAEOIDEA Oudeman, 1900

= NIPHOCEPHOIDEA Travé, 1959 [a separate superfamily in some studies]

† **ARCHAEORCHESTIDAE Arillo & Subías, 2000** ..... **Cretaceous**

† ***Plategeocranus*** **Sellnick, 1919** ..... **Palaeogene**

145. *Plategeocranus sulcatus* (Karsch, 1884)* ..... Pa Baltic amber

† ***Strieremaeus*** **Sellnick, 1919** ..... **Cretaceous – Recent**

= † *Archaeorchestes* Arillo & Subías, 2000

146. *Strieremaeus illibatus* Sellnick, 1919 ..... Pa Baltic amber

147. *Strieremaeus minguezae* (Arillo & Subías, 2000) ..... K Álava amber

**EREMAEIDAE Oudemans, 1900** ..... **Paleogene – Recent**

***Eremaeus*** **C. L. Koch, 1836** ..... **Paleogene – Recent**

148. *Eremaeus hepaticus* C. L. Koch, 1835* **[Recent]** ..... Qt Germany

149. *Eremaeus oblongus* **[Recent]** *fossilis* Sellnick, 1919 ..... Pa Baltic amber

***Eueremaeus*** **Mihelcic, 1963** ..... **Quaternary – Recent**

150. *Eueremaeus silvestris* (Forsslund, 1956) **[Recent]** ..... Qt Finland

† ***Gradidorsum*** **Sellnick, 1919** ..... **Palaeogene – Recent**

151. *Gradidorsum asper* Sellnick, 1919* ..... Pa Baltic amber

**MEGEREMAEIDAE Woolley & Higgins, 1968** ..... **Recent**

no fossil record

**NIPHOCEPHEIDAE Travé, 1959** ..... **Recent**

no fossil record

**ZETORCHESTIDAE Michael, 1898** ..... **Palaeogene – Recent**

***Zetorchestes*** **Berlese, 1888** ..... **Palaeogene – Recent**

*Zetorchestes* spp.*in* Sidorchuk & Norton (2011) ..... Pa Rovno amber

**GUSTAVIOIDEA Oudemans, 1900** ..... **Jurassic – Recent**

= LIACAROIDEA Sellnick, 1928

**ASTEGISTIDAE Balogh, 1961** ..... **Jurassic – Recent**

***Astegistes*** **Hull, 1916** ..... **Quaternary – Recent**

152. *Astegistes pilosus* (C. L. Koch, 1840) **[Recent]** ..... Qt Karelia, Russia

***Cultroribula*** **Berlese, 1908** ..... **Jurassic – Recent**

153. *Cultroribula jurassica* Krivolutsky *in* Krivolutsky & Krasilov, 1977 ..... J Russian far east

154. *Cultroribula lauta* Sellnick, 1931 ..... Pa Baltic amber

155. *Cultroribula superba* Sellnick, 1931 ..... Pa Baltic amber

**GUSTAVIIDAE Oudemans, 1900** ..... **Quaternary – Recent**

***Gustavia*** **Kramer, 1879** ..... **Quaternary – Recent**

156. *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**

157. *Adoristes ovatus* (C. L. Koch, 1839)* **[Recent]** ..... Qt northern Europe

***Liacarus*** **Michael, 1898** ..... **Quaternary – Recent**

158. *Liacarus coracinus* (C. L. Koch, 1841) **[Recent]** ..... Qt Finland

***Xenillus*** **Robineau-Desvoidy, 1839** ..... **Paleogene – Recent**

159. *Xenillus tegeocraniformis* (Sellnick, 1919) ..... Pa Baltic amber

**MULTORIBULIDAE Balogh, 1972** ..... **Recent**

no fossil record

**PELOPPIIDAE Balogh, 1943** ..... **Paleogene – Recent**

***Ceratoppia* Berlese, 1908** ..... **Paleogene – Recent**

160. *Ceratoppia bipilis fossilis* Sellnick, 1919 ..... Pa Baltic amber

ii. = *Oribates politus* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

161. *Ceratoppia quadridentata* (Haller, 1882) **[Recent]** ..... Qt Finland

**TENUIALIDAE Jacot, 1929** ..... **Quaternary – Recent**

***Hafenrefferia* Oudemans, 1906** ..... **Quaternary – Recent**

162. *Hafenrefferia gilvipes* (C. L. Koch, 1839)* **[Recent]** ..... Qt Finland

**CARABODOIDEA C. L. Koch, 1843*b*** ..... **Cretaceous – Recent**

= OCTOCEPHOIDEA Balogh, 1961

**CARABOCEPHEIDAE Mahunka, 1986** ..... **Recent**

no fossil record

**CARABODIDAE C. L. Koch, 1843*b*** ..... **Palaeogene – Recent**

***Carabodes* C. L. Koch, 1835** ..... **Palaeogene – Recent**

163. *Carabodes areolatus* Berlese, 1916 **[Recent]** ..... Qt Karelia, Russia

164. *Carabodes coriaceus* C. L. Koch, 1835* **[Recent]** ..... Qt Finland

165. *Carabodes coriaceus* **[Recent]** *fossilis* Sellnick, 1931 ..... Pa Baltic amber

166. *Carabodes dissonus* Sellnick, 1931 ..... Pa Baltic amber

167. *Carabodes gerberi* Sellnick, 1931 ..... Pa Baltic amber

168. *Carabodes laybrinthicus* (Michael, 1879) **[Recent]** ..... Qt Europe

169. *Carabodes labyrinthicus* **[Recent]** *fossilis* Sellnick, 1931 ..... Pa Baltic amber

170. *Carabodes marginatus* (Michael, 1884) **[Recent]** ..... Qt Finland

171. *Carabodes minusculus* Berlese, 1923 **[Recent]** ..... Qt Germany

172. *Carabodes ornatus* Storkan, 1925 **[Recent]** ..... Qt Finland

173. *Carabodes subarcticus* Trägardh, 1902 **[Recent]** ..... Qt Finland

174. *Carabodes willmanni* Bernini, 1975 **[Recent]** ..... Qt western Norway

?*Carabodes* sp. *in* Norton & Poinar (1993) ..... Ne Dominican amber

† ***Carabodites* Pampaloni, 1902** ..... **Neogene?**

175. *Carabodites pavesii* Pampaloni, 1902* ..... Ne? Sicily

***Odontocepheus* Berlese, 1913** ..... **Quaternary – Recent**

176. *Odontocepheus elongatus* (Michael, 1879)* **[Recent]** ..... Qt Finland

**DAMPFIELLIDAE Balogh, 1961** ..... **Recent**

no fossil record

**HEXOPPIIDAE Balogh, 1983** ..... **Recent**

no fossil record

**LUXTONIIDAE Mahunka, 2001** ..... **Recent**

no fossil record

**NIPPOBODIDAE Aoki, 1959** ..... **Recent**

no fossil record

**OTOCEPHEIDAE Balogh, 1961** ..... **Cretaceous – Recent**

**† *Cretaceobodes* Arillo, Subías & Shtanchaeva, 2010** ..... **Cretaceous – Recent**

177. *Cretaceobodes martinezae* Arillo, Subías & Shtanchaeva, 2010 ..... K San Just amber

***Dolicheremaeus* Jacot, 1938** ..... **Neogene – Recent**

*Dolicheremaeus* sp. *in* Norton & Poinar (1993) ..... Ne Dominican amber

***Otocepheus* Berlese, 1905** ..... **Paleogene – Recent**

178. *Otocepheus niger* Sellnick, 1931 ..... Pa Baltic amber

179. *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**

180. *Conchogneta traegardhi* (Forsslund, 1947) **[Recent]** ..... Qt Finland

**ARCEREMAEIDAE Balogh, 1972** ..... **Recent**

no fossil record

**BORHIDIIDAE Balogh, 1983** ..... **Recent**

no fossil record

**CHAVINIIDAE Balogh, 1983** ..... **Recent**

no fossil record

**ENANTIOPPIIDAE Balogh, 1983** ..... **Recent**

no fossil record

**EPIMERELLIDAE Ayyildiz & Luxton, 1989** ..... **Recent**

no fossil record

**GRANULOPPIIDAE Balogh, 1983** ..... **Recent**

no fossil record

**MACHADOBELBIDAE Balogh, 1972** ..... **Recent**

no fossil record

**MACHUELLIDAE Balogh, 1893** ..... **Recent**

no fossil record

**NOSYBELBIDAE Mahunka, 1994** ..... **Recent**

no fossil record

**OPPIIDAE Grandjean, 1951** ..... **Palaeogene – Recent**

***Dissorhina* Hull, 1916** ..... **Neogene – Recent**

181. *Dissorhina nuda* Miko, 2015 ..... Ne Slovenian Karst
182. *Dissorhina ornata* (Oudemans, 1900)* **[Recent]** ..... Qt Germany
183. *Dissorhina paleokrasica* Miko, 2015 ..... Ne Slovenian Karst

***Oppia* C. L. Koch, 1836** ..... **Palaeogene – Recent**

184. *Oppia angustum* (Sellnick, 1931) ..... Pa Baltic amber
185. *Oppia cervicornu* (Sellnick, 1919) ..... Pa Baltic amber
186. *Oppites hurdi* Woolley, 1971 ..... Ne Chiapas amber
187. *Oppia longilamellata* **[Recent]** *fossilis* (Sellnick, 1931) ..... Pa Baltic amber
188. *Oppia medium* (Sellnick, 1931) ..... Pa Baltic amber
189. *Oppia mexicana* (Woolley, 1971) ..... Ne Chiapas amber
190. *Oppia setigera* (Woolley, 1971) ..... Ne Chiapas amber
191. *Oppia sucinum* (Sellnick, 1931) ..... Pa Baltic amber

?*Oppia* sp. *in* Norton & Poinar (1993) ..... Ne Dominican amber

***Oppiella* Jacot, 1937** ..... **Quaternary – Recent**

192. *Oppiella nova* (Oudemans, 1902)* **[Recent]** ..... Qt northern Europe
193. *Oppiella ornata* (Oudemans, 1900) **[Recent]** ..... Qt western Norway
194. *Oppiella splendens* (C. L. Koch, 1841) **[Recent]** ..... Qt western Norway
195. *Oppiella subpectinata* (Oudemans, 1900) **[Recent]** ..... Qt northern Europe
196. *Oppiella translamellata* (Willmann, 1923) **[Recent]** ..... Qt northern Europe

† ***Oppites* Pampaloni, 1902** ..... **Neogene**

197. *Oppites melilli* Pampaloni, 1902* ..... Ne? Sicily

† ***Praoppiella* Miko & Mourek *in* Miko *et al*., 2012** ..... **Quaternary**

198. *Praoppiella oanae* Miko & Mourek *in* Miko *et al*., 2012* ..... Qt Slovenian Karst

***Ramusella* Hammer, 1962** ..... **Quaternary – Recent**

199. *Ramusella clavipectinata* (Michael, 1885) **[Recent]** ..... Qt Germany

† ***Rhinoppioides* Miko *in* Miko *et al*., 2012** ..... **Quaternary**

200. *Rhinoppioides quadrituberculatus* Miko *in* Miko *et al*., 2012* ..... Qt Slovenian Karst

**OXYAMERIDAE Aoki, 1965** ..... **Recent**

no fossil record

**PAPILLONOTIDAE Balogh, 1983** ..... **Recent**

no fossil record

**PLATYAMERIDAE Balogh & Balogh, 1983** ..... **Recent**

no fossil record

**QUADROPPIIDAE Balogh, 1983** ..... **Recent**

no fossil record

**RHYNCHORIBATIDAE Balogh, 1961** ..... **Recent**

no fossil record

**SPINOZETIDAE Balogh, 1972** ..... **Recent**

no fossil record

**STERNOPPIIDAE Balogh & Mahunka, 1969** ..... **Recent**

no fossil record

**SUCTOBELBIDAE Jacot, 1938** ..... **Palaeogene – Recent**

***Suctobelbella* Jacot, 1937** ..... **Palaeogene – Recent**

201. *Suctobelbella falcata* (Forsslund, 1941) **[Recent]** ..... Qt Germany
202. *Suctobelbella latirostris* (Strenzke, 1950) **[Recent]** ..... Qt Germany
203. *Suctobelbella longirostris* (Forsslund, 1941) **[Recent]** ..... Qt western Norway
204. *Suctobelbella sarekensis* (Forsslund, 1941) **[Recent]** ..... Qt Europe
205. *Suctobelbella similis* (Forsslund, 1941) **[Recent]** ..... Qt Germany
206. *Suctobelbella subcornigera* (Forsslund, 1941) **[Recent]** ..... Qt Germany
207. *Suctobelbella subtrigona* (Oudemans, 1916) **[Recent]** ..... Qt Europe
208. *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**

209. *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**

210. *Tectocepheus minor* Berlese, 1903 **[Recent]** ..... Qt western Norway

211. *Tectocepheus similis* Sellnick, 1931 ..... Pa Baltic amber

212. *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**

213. *Hydrozetes confervae* (Schrank, 1791) **[Recent]** ..... Qt western Norway

214. *Hydrozetes lacustris* (Michael, 1882)* **[Recent]** ..... Qt northern Europe

215. *Hydrozetes oryktosis* Woolley, 1969 ..... Qt Michigan

*Hydrozetes* sp. *in* Sivhed & Wallwork (1978) ..... J Sweden

**LIMNOZETIDAE Thor, 1937** ..... **Quaternary – Recent**

***Limnozetes* Hull, 1916** ..... **Quaternary – Recent**

216. *Limnozetes ciliatus* (Schrank, 1803)* **[Recent]** ..... Qt northern Europe

217. *Limnozetes rugosus* (Sellnick, 1923) **[Recent]** ..... Qt northern Europe

**AMERONOTHROIDEA Willmann, 1931** ..... **Quaternary – Recent**

**AMERONOTHRIDAE Willmann, 1931** ..... **Quaternary – Recent**

***Ameronothrus* Berlese, 1896** ..... **Quaternary – Recent**

218. *Ameronothrus lineatus* (Thorell, 1871)* **[Recent]** ..... Qt Europe / Greenland

219. *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**

220. *Ametroproctus valeriae* Arillo, Subías & Shtanchaeva, 2009 ..... K San Just amber

***Cymbaeremaeus* Berlese, 1896** ..... **Paleogene – Recent**

221. *Cymbaeremaeus cymba* (Nicolet, 1855)* **[Recent]** ..... Qt northern Europe

† ***Jureremus* Krivolutsky *in* Krivolutsky & Krasilov, 1977** ..... **Jurassic**

222. *Jureremeus foveolatus* Krivolutsky *in* Krivolutsky & Krasilov, 1977* ..... J Russian far east

223. *Jureremeus phippsi* Selden, Baker & Phipps, 2008 ..... J Yorkshire, UK

***Scapheremaeus* Berlese, 1910** ..... **Paleogene – Recent**

224. *Scapheremaeus undosus* Sellnick, 1919 ..... Pa Baltic amber

† ***Tectocymba* Sellnick, 1919** ..... **Paleogene – Recent**

225. *Tectocymba rara* Sellnick, 1919* ..... Pa Baltic amber

**EREMAEOZETOIDEA Piffl, 1972** ..... **Paleogene – Recent**

= IDIOZETOIDEA Aoki, 1976

**EREMAEOZETIDAE Piffl, 1972** ..... **Paleogene – Recent**

***Eremaeozetes* Berlese, 1913** ..... **Paleogene – Recent**

= † *Scutoribates* Sellnick, 1919

*Eremaeozetes* sp. *in* Norton & Poinar (1993) ..... Ne Dominican amber

**IDIOZETIDAE Aoki, 1976** ..... **Recent**

no fossil record

**LICNEREMAEOIDEA Grandjean, 1931** ..... **Jurassic – Recent**

= CHARASSOBATOIDEA Grandjean, 1958*b*

**ADHAESOZETIDAE Hammer, 1973** ..... **Recent**

no fossil record

**CHARASSOBATIDAE Grandjean, 1958*b*** ..... **Recent**

no fossil record

**DENDEROEREMAEIDAE Behan-Pelletier, Eamer & Clavton, 2005** ..... **Recent**

no fossil record

**EREMELLIDAE Balogh, 1961** ..... **Recent**

no fossil record

**LAMELLAREIDAE Balogh, 1972** ..... **Cretaceous – Recent**

***Tenuelamellarea* Subías & Iturrondobeitia, 1978** ..... **Cretaceous – Recent**

226. *Tenuelamellarea estefaniae* Arillo & Subías *in* Arillo *et al*., 2016 ..... K Spanish amber

**LICNEREMAEIDAE Grandjean, 1931** ..... **Palaeogene – Recent**

***Licneremaeus* Paoli, 1908** ..... **Palaeogene – Recent**

227. *Licneremaeus fritschi* Sellnick, 1931 ..... Pa Baltic amber

228. *Licneremaeus licnophorus* (Michael, 1882) **[Recent]** ..... Qt Germany

**MICREREMIDAE Grandjean, 1954*b*** ..... **Jurassic – Recent**

***Micreremus* Grandjean, 1954*b*** .....[not Berlese 1908?]..... **Paleogene – Recent**

229. *Micreremus brevipes* (Michael, 1888)* **[Recent]** ..... Qt northern Europe

230. *Micreremus reticulatus* Sellnick, 1931 ..... Pa Baltic amber

231. *Micreremus scrobiculatus* Sellnick, 1931 ..... Pa Baltic amber

**PASSALOZETIDAE Grandjean, 1954*b*** ..... **Quaternary – Recent**

***Passalozetes* Grandjean, 1932*a*** ..... **Quaternary – Recent**

232. *Passalozetes africanus* Grandjean, 1932*a* **[Recent]** ..... Qt Finland

**SCUTOVERTICIDAE Grandjean, 1954*b*** ..... **Cretaceous – Recent**

***Arthrovertex* Balogh, 1970** ..... **Neogene – Recent**

233. *Arthrovertex hurdi* (Woolley, 1971)..... Ne Chiapas amber

*Arthrovertex* sp. *in* Norton & Poinar (1993) ..... Ne Dominican amber

***Hypovertex* Krivolutsky, 1969** ..... **Cretaceous – Recent**

234. *Hypovertex hispanicus* Arillo & Subías *in* Arillo *et al.*, 2016 ..... K Spanish amber

***Scutovertex* Michael, 1879** ..... **Quaternary – Recent**

235. *Scutovertex minutus* (C. L. Koch, 1835) **[Recent]** ..... Qt Germany

**PHENOPELOPOIDEA Petrunkevitch, 1955*a*** ..... **Palaeogene – Recent**

**PHENOPELOPIDAE Petrunkevitch, 1955*a*** ..... **Palaeogene – Recent**

= PELOPIDAE author, date?

***Eupelops* Ewing, 1917a** ..... **Palaeogene – Recent**

236. *Eupelops acromios* (Hermann, 1804) **[Recent]** ..... Qt Finland

237. *Eupelops curtipilus* (Berlese, 1916) **[Recent]** ..... Qt Germany

238. *Eupelops occultus* (C. L. Koch, 1835) **[Recent]** ..... Qt Kerelia, Russia

239. *Eupelops plicatus* (C. L. Koch, 1835) **[Recent]** ..... Qt northern Europe

240. *Eupelops punctulatus* (Sellnick, 1931) ..... Pa Baltic amber

241. *Eupelops uraceus* (C. L. Koch, 1839)* **[Recent]** ..... Qt Kerelia, Russia

*Eupelops* sp. *in* Karppinen & Koponen (1974) ..... Qt Finland

***Peloptulus* Berlese, 1908** ..... **Quaternary – Recent**

242. *Peloptulus phaenotus* (C. L. Koch, 1844)* **[Recent]** ..... Qt Germany

**UNDULORIBATIDAE Kunst, 1971** ..... **Palaeogene – Recent**

***Scutoribates* Sellnick, 1918** ..... **Palaeogene – Recent**

243. *Scutoribates perornatus* Sellnick, 1918 ..... Pa Baltic amber

***Unduloribates* Balogh, 1943** ..... **?Palaeogene – Recent**

244. *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**

245. *Achipteria coleoptrata* (Linnaeus, 1757) **[Recent]** ..... Qt Finland / Greenland

246. ?*Achipteria obscura* Krivolutsky *in* Krivolutsky & Krasilov, 1977 ..... J Russian far east

[An *incertae sedis* taxon?]

***Parachipteria* van der Hammen, 1952** ..... **Quaternary – Recent**

247. *Parachipteria punctata* (Nicolet, 1855) **[Recent]** ..... Qt northern Europe

248. *Parachipteria willmanni* van der Hammen, 1952 **[Recent]** ..... Qt Germany

**EPACTOZETIDAE Grandjean, 1936*b*** ..... **Recent**

no fossil record

**TEGORIBATIDAE Grandjean, 1954*b*** ..... **Quaternary – Recent**

***Tegoribates* Ewing, 1917a** ..... **Quaternary – Recent**

249. *Tegoribates latirostris* (C. L. Koch, 1844) **[Recent]** ..... Qt Finland

**ORIBATELLOIDEA Jacot, 1925** ..... **Palaeogene – Recent**

**ORIBATELLIDAE Jacot, 1925** ..... **Palaeogene – Recent**

***Oribatella* Banks, 1895** ..... **Palaeogene – Recent**

250. *Oribatella berlesei* (Michael, 1898) **[Recent]** ..... Qt Finland

251. *Oribatella calcarata* (C. L. Koch, 1835) **[Recent]** ..... Qt Kerelia, Russia

252. *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**

253. *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**

254. *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**

255. *Lucoppia simplex* Sellnick, 1931 ..... Pa Baltic amber

***Oribatula* Berlese, 1895** ..... **Quaternary – Recent**

256. *Oribatula tibialis* (Nicolet, 1855)* **[Recent]** ..... Qt Europe

***Phauloppia* Berlese, 1908** ..... **Palaeogene – Recent**

257. *Phauloppia lucorum* (C. L. Koch, 1841) **[Recent]** ..... Qt northern Europe

258. *Phauloppia pellucida* (Sellnick, 1931) ..... Pa Baltic amber

**† *Sachalinbates* Arillo, Subías & Shtanchaeva, 20112** [replacement name] ..... **Palaeogene – Recent**

= † *Sachalinella* Rjabinin *in* Krivolutzkii & Rjabinin, 1976 [preoccupied]

259. *Sachalinbates zherichini* (Rjabinin *in* Krivolutzkii & Rjabinin, 1976)* ..... Pa Sachalin amber

***Zygoribatula* Berlese, 1916** ..... **Quaternary – Recent**

260. *Zygoribatula exilis* (Nicolet, 1855) **[Recent]** ..... Qt northern Europe

**ORIPODIDAE Jacot, 1925** ..... **Palaeogene – Recent**

= BIROBATIDAE J. Balogh & P. Balogh, 1984

***Benoibates* Balogh, 1958** ..... **Neogene – Recent**

261. *Benoibates chiapasensis* (Woolley, 1971) ..... Ne Chiapas amber

***Oripoda* Banks, 1904** ..... **Palaeogene – Recent**

262. *Oripoda baltica* Sellnick, 1931 ..... Pa Baltic amber

*Oripoda* sp. *in* Norton & Poinar (1993) ..... Ne Dominican amber

***Parapirnodus* Balogh & Mahunka, 1968** ..... **Neogene – Recent**

263. *Parapirnodus denaius* (Woolley, 1971) ..... Ne Chiapas amber

**PARAKALUMMIDAE Grandjean, 1936*b*** ..... **Palaeogene – Recent**

***Neoribates* Berlese, 1914** ..... **Palaeogene – Recent**

264. *Neoribates borussicus* Sellnick, 1931 ..... Pa Baltic amber

**SCHELORIBATIDAE Grandjean, 1933** ..... **Palaeogene – Recent**

***Liebstadia* Oudemans, 1906** ..... **Palaeogene – Recent**

265. *Liebstadia similiformis* Sellnick, 1931 ..... Pa Baltic amber

266. *Liebstadia similis* (Michael, 1888)* **[Recent]** ..... Qt Europe / Greenland

***Scheloribates* Berlese, 1908** ..... **Palaeogene – Recent**

267. *Scheloribates apertus* Sellnick, 1931 ..... Pa Baltic amber

268. *Scheloribates areatus* Sellnick, 1931 ..... Pa Baltic amber

269. *Scheloribates durhami* (Woolley, 1971) ..... Ne Chiapas amber

270. *Scheloribates initialis* (Berlese, 1908) **[Recent]** ..... Qt Europe

271. *Scheloribates laevigatus* (C. L. Koch, 1835) **[Recent]** ..... Qt northern Europe

272. *Scheloribates latipes* (C. L. Koch, 1844) **[Recent]** ..... Qt Europe

273. *Scheloribates pallidulus* (C. L. Koch, 1841) **[Recent]** ..... Qt Germany

274. *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**

275. *Ceratozetes gracilis* (Michael, 1884)* **[Recent]** ..... Qt Finland

276. *Ceratozetes minimus* Sellnick, 1928 **[Recent]** ..... Qt Germany

277. *Ceratozetes parvulus* Sellnick, 1922 **[Recent]** ..... Qt Germany

***Diapterobates* Grandjean, 1936*b*** ..... **Quaternary – Recent**

278. *Diapterobates notatus* (Thorell, 1871) **[Recent]** ..... Qt Europe / Greenland

***Edwardzetes* Berlese, 1914** ..... **Quaternary – Recent**

279. *Edwardzetes edwardsi* (Nicolet, 1855)* **[Recent]** ..... Qt western Norway

***Fuscozetes* Sellnick, 1928** ..... **Quaternary – Recent**

280. *Fuscozetes fuscipes* (C. L. Koch, 1844)* **[Recent]** ..... Qt western Norway

***Melanozetes* Hull, 1916** ..... **Paleogene – Recent**

281. *Melanozetes foderatus* Sellnick, 1931 ..... Pa Baltic amber

282. *Melanozetes mollicomnus* **[Recent]** *fossilis* Sellnick, 1931 ..... Pa Baltic amber

283. *Melanozetes meridianus* Sellnick, 1928 **[Recent]** ..... Qt Greenland

*Melanozetes* sp. *in* Karppinen *et al*. (1979) ..... Qt Karelia, Russia

***Oromucia* Thor, 1930** ..... **Quaternary – Recent**

284. *Oromucia bicuspidata* Thor, 1930* **[Recent]** ..... Qt western Norway

285. *Oromucia lucens* (C. L. Koch, date?) **[Recent]** ..... Qt Greenland

***Sphaerozetes* Berlese, 1885** ..... **Paleogene – Recent**

286. *Sphaerozetes convexulus* (C. L. Koch & Berendt, 1854) ..... Pa Baltic amber

287. *Sphaerozetes pirifomis* (Nicolet, 1855) **[Recent]** ..... Qt Finland

288. *Sphaerozetes primus* Sellnick, 1931 ..... Pa Baltic amber

***Trichoribates* Berlese, 1910** ..... **Quaternary – Recent**

289. *Trichoribates biarea* Gjelstrup & Solhøy, 1994 **[Recent]** ..... Qt western Norway

290. *Trichoribates incisellus* (Kramer, 1897) **[Recent]** ..... Qt Europe

291. *Trichoribates monticola* (Trägardh, 1902) **[Recent]** ..... Qt western Norway

292. *Trichoribates setiger* (Trägardh, 1910) **[Recent]** ..... Qt western Norway

293. *Trichoribates trimaculatus* (C. L. Koch, 1835)* **[Recent]** ..... Qt northern Europe

**CHAMOBATIDAE Thor, 1937** ..... **Paleogene – Recent**

***Chamobates* Hull, 1916** ..... **Paleogene – Recent**

294. *Chamobates borealis* (Trägardh, 1902) **[Recent]** ..... Qt western Norway

295. *Chamobates cuspidatus* (Michael, 1884) **[Recent]** ..... Qt Finland

296. *Chamobates difficilis* Sellnick, 1931 ..... Pa Baltic amber

**EUZETIDAE Grandjean, 1954*b*** ..... **Quaternary – Recent**

***Euzetes* Berlese, 1908** ..... **Quaternary – Recent**

297. *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**

298. *Mycobates consimilis* Hammer, 1952 **[Recent]** ..... Qt Greenland

299. *Mycobates parmeliae* (Michael, 1884) **[Recent]** ..... Qt Karelia, Russia

300. *Mycobates sarekenis* (Trägårdh, 1910) **[Recent]** ..... Qt western Norway

***Punctoribates* Berlese, 1908** ..... **Quaternary – Recent**

301. *Punctoribates punctum* (C. L. Koch, 1839) **[Recent]** ..... Qt Karelia, Russia

302. *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**

303. *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**

304. *Acrogalumna longipluma* (Berlese, 1904)* **[Recent]** ..... Qt Karelia, Russia

***Galumna* von Heyden, 1826** ..... **Palaeogene – Recent**

305. *Galumna clavata* Sellnick, 1931 ..... Pa Baltic amber

306. *Galumna diversa* Sellnick, 1931 ..... Pa Baltic amber

307. *Galumna lanceata* (Oudemanns, 1900) **[Recent]** ..... Qt Karelia, Russia

308. *Galumna obvia* (Berlese, 1915) **[Recent]** ..... Qt Finland

*Galumna* sp. *in* Karppinen & Koponen (1974) ..... Qt Finland

***Pergalumna* Grandjean, 1936*b*** ..... **Quaternary – Recent**

309. *Pergalumna dorsalis* (C. L. Koch, 1835) **[Recent]** ..... Qt Finland

310. *Pergalumna nervosa* (Berlese, 1914)* **[Recent]** ..... Qt northern Europe

***Pilogalumna* Grandjean, 1956*b*** ..... **Quaternary – Recent**

311. *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**

312. *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**

313. *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**

314. *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

17 currently valid species of fossil ricinuleid

**RICINULEI Thorell, 1876*c*** ..... **Carbon. – Recent**

= RHINOGASTRA Cook, 1899

= PODOGONA Cook, 1899

† **PRIMORICINULEI Wunderlich, 2015*c* (suborder)** ..... **Cretaceous**

† **PRIMORICINULEIDAE Wunderlich, 2015*c*** ..... **Cretaceous**

† ***Primoricinuleus* Wunderlich, 2015*c*** ..... **Cretaceous**

1. *Primoricinuleus pugio* Wunderlich, 2015*c** ..... K Burmese amber

† **PALAEORICINULEI Selden, 1992 (suborder)** ..... **Carboniferous – ?Cret.**

NB: Wunderlich (2012*e*) treated Selden's two suborders as superfamilies.

Ricinulei indet. *in* Wunderlich (2012*e*) ..... K Burmese amber

† **CURCULIOIDIDAE Cockerell, 1916** ..... **Carboniferous**

† ***Amarixys* Selden, 1992** ..... **Carboniferous**

2. *Amarixys gracilis* (Petrunkevitch, 1945*a*) ..... C Mazon Creek
3. *Amarixys stellaris* Selden, 1992 ..... C Mazon Creek
4. *Amarixys sulcata* (Melander, 1903)* ..... C Mazon Creek

† ***Curculioides* Buckland, 1837** ..... **Carboniferous**

5. *Curculioides adompha* Brauckmann, 1987 ..... C Hagen-Vorhalle
6. *Curculioides ansticii* Buckland, 1837* ..... C Coalbrookdale
7. *Curculioides eltringhami* Petrunkevitch, 1949 ..... C Crawcrook
8. *Curculioides gigas* Selden, 1992 ..... C Mazon Creek
9. *Curculioides granulatus* Petrunkevitch, 1949 ..... C Ilkeston
10. *Curculioides mcluckiei* Selden, 1992 ..... C Mazon Creek
11. *Curculioides pococki* Selden, 1992 ..... C Coseley
12. *Curculioides scaber* (Scudder, 1890*b*) ..... C Mazon Creek

† **POLIOCHERIDAE Scudder, 1884** ..... **Carboniferous – ?Cret.**

† ***Poliochera* Scudder, 1884** ..... **Carboniferous – ?Cret.**

13. ?*Poliochera cretacea* Wunderlich, 2012*e* ..... K Burmese amber
14. *Poliochera gibbsi* Selden, 1992 ..... C Illinois
15. *Poliochera glabra* Petrunkevitch, 1913 ..... C Mazon Creek
16. *Poliochera punctulata* Scudder, 1884* ..... C Mazon Creek

† ***Terpsicroton* Selden, 1992** ..... **Carboniferous**

17. *Terpsicroton alticeps* Selden, 1992* ..... C Coseley

**NEORICINULEI Selden, 1992 (suborder)** ..... **Recent**

**RICINOIDIDAE Ewing, 1929** ..... **Recent**

= CRYPTOSTEMMIDAE Westwood, 1874

no fossil record

*NOMINA DUBIA*

1. *Poliochera* / *Curculioides pustulatus* Laurentiaux-Viera & Laurentiaux, 1963 ..... C Kiaping

76 Recent species according to Fernández & Giribet (2015)

# ARACHNIDA and/or PANTETRAPULMONATA *incertae sedis*

4 currently valid, unplaced fossil arachnid and/or tetrapulmonate species

- all four species below have been suggested as possible members of the so-called pantetrapulmonate arachnids; i.e. spiders and their closest relatives
- *Idmonarachne* was specifically proposed as a putative sister-group to spiders

† ***Ecchosis*** **Selden & Shear, 1991** ..... **Devonian**

1. *Ecchosis pulchribothrium* Selden & Shear *in* Selden *et al*. 1991* ..... D Gilboa

† ***Idmonarachne*** **Garwood, Dunlop, Selden, Spencer, Atwood, Vo & Drakopoulos, 2016** ..... **Devonian**

2. *Idmonarachne brasieri* Garwood, Dunlop, Selden, Spencer, Atwood, Vo & Drakopoulos, 2016* ..... C Montceau-les-Mines

† ***Saccogulus*** **Dunlop, Fayers, Hass & Kerp, 2006** ..... **Devonian**

3. *Saccogulus seldeni* Dunlop, Fayers, Hass & Kerp, 2006* ..... D Rhynie chert

† ***Xenarachne*** **Dunlop & Poschmann, 1997** ..... **Devonian**

4. *Xenarachne wilwerathensis* Dunlop & Poschmann, 1997* ..... D Willwerath

no Recent species

# TRIGONOTARBIDA

69 currently valid species of fossil trigonotarbid

† **TRIGONOTARBIDA Petrunkevitch, 1949** ..... **Silurian – Permian**

= ANTHRACOMARTI Karsch, 1882

= MERIDOGASTRA Thorell & Lindström, 1885

= EURYMARTI Matthew, 1895

**plesion genus**

† ***Palaeotarbus*** **Dunlop, 1999** ..... **Silurian**

= † *Eotarbus* Dunlop, 1996 [preoccupied]

1. *Palaeotarbus jerami* (Dunlop, 1996)* ..... S Ludford Lane

† **PALAEOCHARINIDAE Hirst, 1923** ..... **Devonian**

† ***Aculeatarbus*** **Shear, Selden & Rolfe, 1987** ..... **Devonian**

2. *Aculeatarbus depressus* Shear, Selden & Rolfe, 1987* ..... D Gilboa

† ***Gelasinotarbus*** **Shear, Selden & Rolfe, 1987** ..... **Devonian**

3. *Gelasinotarbus bifidus* Shear, Selden & Rolfe, 1987 ..... D Gilboa
4. *Gelasinotarbus bonamoae* Shear, Selden & Rolfe, 1987* ..... D Gilboa
5. *Gelasinotarbus heptops* Shear, Selden & Rolfe, 1987 ..... D Gilboa
6. *Gelasinotarbus reticulatus* Shear, Selden & Rolfe, 1987 ..... D Gilboa

† ***Gigantocharinus*** **Shear, 2000** ..... **Devonian**

7. *Gigantocharinus szatmaryi* Shear, 2000* ..... D Red Hill, USA

† ***Gilboarachne*** **Shear, Selden & Rolfe, 1987** ..... **Devonian**

8. *Gilboarachne griersoni* Shear, Selden & Rolfe, 1987* ..... D Gilboa

† ***Palaeocharinus*** **Hirst, 1923** ..... **Devonian**

= † *Palaeocharinoides* Hirst, 1923

9. *Palaeocharinus calmani* Hirst, 1923 ..... D Rhynie cherts
10. *Palaeocharinus hornei* (Hirst, 1923) ..... D Rhynie cherts
11. *Palaeocharinus kidstoni* Hirst, 1923 ..... D Rhynie cherts
12. *Palaeocharinus rhyniensis* Hirst, 1923* ..... D Rhynie cherts
13. *Palaeocharinus scourfieldi* Hirst, 1923 ..... D Rhynie cherts
14. *Palaeocharinus tuberculatus* Fayers, Dunlop & Trewin, 2005 ..... D Rhynie cherts

† ***Spinocharinus*** **Poschmann & Dunlop, 2011** ..... **Devonian**

15. *Spinocharinus steinmeyeri* Poschman & Dunlop, 2011* ..... D Bürdenbach

† **ARCHAEOMARTIDAE Poschmann & Dunlop, 2010** ..... **Devonian**

† ***Archaeomartus*** **Størmer, 1970** ..... **Devonian**

16. *Archaeomartus levis* Størmer, 1970* ..... D Alken an der Mosel
    i. = *Archaeomartus tuberculatus* Størmer, 1970 ..... D Alken an der Mosel

† **ANTHRACOMARTIDAE Haase, 1890** ..... **Carboniferous**

= † PROMYGALIDAE Frič, 1904

= † BRACHYPYGIDAE Pocock, 1911

= † CORYPHOMARTIDAE Petrunkevitch, 1945

= † PLEOMARTIDAE Petrunkevitch, 1945

† ***Anthracomartus*** **Karsch, 1882** ..... **Carboniferous**

= † *Brachylycosa* Frič, 1904

= † *Cleptomartus* Petrunkevitch, 1949

= † *Coryphomartus* Petrunkevitch, 1945*a*

= † *Cryptomartus* Petrunkevitch, 1945*a*

= † *Oomartus* Petrunkevitch, 1953

= † *Perneria* Frič, 1904

= † *Pleomartus* Petrunkevitch, 1945*a*

= † *Promygale* Frič, 1901

17. *Anthracomartus bohemica* (Frič, 1901) ..... C Nýřany
18. *Anthracomartus carcinoides* (Frič, 1901) ..... C Nýřany
    i. = *Promygale rotundata* Frič, 1901 ..... C Nýřany
    ii. = *Perneria salticoides* Frič, 1904 ..... C ?Nýřany
19. *Anthracomartus elegans* Frič, 1901 ..... C Nýřany
20. *Anthracomartus hindi* Pocock, 1911 ..... C Coseley
    i. = *Cleptomartus hangardi* Guthörl, 1965 ..... C Saar, Germany
    ii. = *Cryptomartus meyeri* Guthörl, 1964 ..... C Aachen
    iii. = *Cleptomartus planus* Petrunkevitch, 1949 ..... C Coseley
    iv. = *Cryptomartus rebskei* Brauckmann, 1984 ..... C Saarbrücken
21. *Anthracomartus granulatus* Frič, 1904 ..... C Nowa Ruda
22. *Anthracomartus janae* (Opluštil, 1986) ..... C Kladno
23. *Anthracomartus kustae* Petrunkevitch, 1953 ..... C Rakovník
24. *Anthracomartus minor* Kušta, 1884 ..... C Rakovník
    i. = *Anthracomartus socius* Kušta, 1888 ..... C Rakovník
25. *Anthracomartus nyranensis* (Petrunkevitch, 1953) ..... C Nýřany
26. *Anthracomartus palatinus* Ammon, 1901 ..... C Brücken, Germany
27. *Anthracomartus preisti* Pocock, 1911 ..... C Coseley
    i. = *Anthracomartus denuiti* Pruvost, 1922 ..... C Charleroi
    ii. = *Cleptomartus plautus* Petrunkevitch, 1949 ..... C Coseley
28. *Anthracomartus radvanicensis* (Opluštil, 1985) ..... C Radvanice
29. *Anthracomartus triangularis* Petrunkevitch, 1913 ..... C Joggins
30. *Anthracomartus trilobitus* Scudder, 1884 ..... C Fayetteville
31. *Anthracomartus voelkelianus* Karsch, 1882* ..... C Europe

    *Anthracomartus* sp. *in* Wright & Selden (2011) ..... C Kansas

† ***Brachypyge*** **Woodward, 1878*b*** ..... **Carboniferous**

32. *Brachypyge carbonis* Woodward, 1878*b** ..... C Mons

† ***Maiocercus*** **Pocock, 1911** ..... **Carboniferous**

33. *Maiocercus celticus* (Pocock, 1902)* ..... C Coal Measures

i. = *Maiocercus orbicularis* Gill, 1911 ..... C Westhoughton

† **ANTHRACOSIRONIDAE Pocock, 1903*a*** ..... **Devonian – Carbon.**

† ***Anthracosiro*** **Pocock, 1903*a*** ..... **Carboniferous**

34. *Anthracosiro fritschii* Pocock, 1903*b* ..... C Coseley

i. = *Anthracosiro elongatus* Waterlot, 1934 ..... C Marlebach, France

35. *Anthracosiro woodwardi* Pocock, 1903*a** ..... C Coal Measues

i. = *Anthracosiro corsini* Pruvost, 1926 ..... C Noeux, France

ii. = *Anthracosiro latipes* Gill, 1909 ..... C Ryton-on-Tyne, UK

† ***Arianrhoda*** **Dunlop & Selden, 2004** ..... **Devonian**

36. *Arianrhoda bennetti* Dunlop & Selden, 2004* ..... D Tredomen

† ***Vratislavia*** **Frič, 1904** ..... **Carboniferous**

37. *Vratislavia silesica* (Roemer, 1878)* ..... C Silesia

† **TRIGONOTARBIDAE Petrunkevitch, 1949** ..... **Devonian – Carbon.**

† ***Trigonotarbus*** **Pocock, 1911** ..... **Devonian – Carbon.**

38. *Trigonotarbus arnoldi* Petrunkevitch, 1955*b* ..... C Decazeville

39. *Trigonotarbus johnsoni* Pocock, 1911* ..... C Coseley

40. *Trigonotarbus stoermeri* Schultka, 1991 ..... D Rheinischen Schief.

**Family uncertain**

† ***Aenigmatarbus*** **Poschmann, Dunlop, Bértoux & Galtier, 2016** ..... **Carboniferous**

41. *Aenigmatarbus rastelli* Poschmann, Dunlop, Bértoux & Galtier, 2016* .. C Graissessac, France

† ***Namurotarbus*** **Poschmann & Dunlop, 2010** ..... **Carboniferous**

42. *Namurotarbus roessleri* (Dunlop & Brauckmann, 2006)* ..... C Hagen-Vorhalle

† ***Permotarbus*** **Dunlop & Rößler, 2013** ..... **Permian**

43. *Permotarbus schuberti* Dunlop & Rößler, 2013 ..... P Chemnitz

† ***Tynecotarbus*** **Hradská & Dunlop, 2013** ..... **Carboniferous**

44. *Tynecotarbus tichaveki* Hradská & Dunlop, 2013 ..... C Týnec

† **LISSOMARTIDAE Dunlop, 1995** ..... **Carboniferous**

† ***Lissomartus*** **Petrunkevitch, 1949** ..... **Carboniferous**

45. *Lissomartus carbonarius* (Petrunkevitch, 1913) ..... C Mazon Creek

46. *Lissomartus schucherti* (Petrunkevitch, 1913)* ..... C Mazon Creek

† **APHANTOMARTIDAE Petrunkevitch, 1945*a*** ..... **Devonian – Permian**

= † TRIGONOMARTIDAE Petrunkevitch, 1949

† ***Alkenia*** **Størmer, 1970** ..... **Devonian**

47. *Alkenia mirabilis* Størmer, 1970* ..... D Alken an der Mosel

† ***Aphantomartus*** **Pocock, 1911** ..... **Carbon. – Permian**

= † *Trigonomartus* Petrunkevitch, 1913

= † *Phrynomartus* Petrunkevitch, 1945*a*

48. *Aphantomartus areolatus* Pocock, 1911* ..... C–P Coal Measues
    i. = *Aphantomartus pococki* Pruvost, 1912 ..... C Anzin, France
    ii. = *Trigonomartus dorlodoti* Pruvost, 1930 ..... C Rien, France
    iii. = *Eophrynus waechteri* Guthörl, 1938 ..... C Saar
    iv. = ?*Trigonomartus pruvosti* van der Heide, 1951 ..... C Limbourg
    v. = ?*Brachylycosa manebachensis* Müller, 1957 ..... C Rotliegenden
49. *Aphantomartus ilfeldicus* (Scharf, 1924) ..... P Rotliegend
50. *Aphantomartus pustulatus* (Scudder, 1884) ..... C Coal Measures
    i. = ?*Kreischeria villeti* Pruvost, 1912 ..... C Pas de Calais
    ii. = *Cleptomartus plötzensis* Simon, 1971 ..... C Halleschen Mulde

† **KREISCHERIIDAE Haase, 1890** ..... **Carboniferous**

† ***Anzinia* Petrunkevitch, 1953** ..... **Carboniferous**

51. *Anzinia thevenini* (Pruvost, 1919)* ..... C Anzin

† ***Gondwanarache* Pinto & Hünicken, 1980** ..... **Carboniferous**

52. *Gondwanarache argentinensis* Pinto & Hünicken, 1980* ..... C Bajo de Véliz

† ***Hemikreischeria* Frič, 1904** ..... **Carboniferous**

53. *Hemikreischeria geinitzi* (Thevenin, 1902)* ..... C France

† ***Kreischeria* Geinitz, 1882** ..... **Carboniferous**

54. *Kreischeria wiedei* Geinitz, 1882* ..... C Zwickau

† ***Pseudokreischeria* Petrunkevitch, 1953** ..... **Carboniferous**

55. *Pseudokreischeria pococki* (Gill, 1924) ..... C Crawcrook
    i. = *Eophrynus varius* Petrunkevitch, 1949 ..... C Crawcrook

† **EOPHRYNIDAE Karsch, 1882** ..... **Carboniferous**

= † HEMIPHRYNIDAE Frič, 1904

† ***Eophrynus* Woodward, 1871*b*** ..... **Carboniferous**

56. *Eophrynus prestvicii* (Buckland, 1837)* ..... C Coalbrookdale
57. *Eophrynus udus* Brauckmann, Koch & Kemper, 1985 ..... C Hagen-Vorhalle

† ***Nyranytarbus* Harvey & Selden, 1995** ..... **Carboniferous**

= † *Hemiphrynus* Frič, 1901 [preoccupied]

58. *Nyranytarbus hofmanni* (Frič, 1901) ..... C Nýřany
59. *Nyranytarbus longipes* (Frič, 1901)* ..... C Nýřany

† ***Petrovicia* Frič, 1904** ..... **Carboniferous**

60. *Petrovicia proditoria* Frič, 1904* ..... C Petrovice

† ***Planomartus* Petrunkevitch, 1953** ..... **Carboniferous**

61. *Planomartus krejcii* (Kušta, 1883)* ..... C Rakovník
    i. = *Anthracomartus affinis* Kušta, 1885 ..... C Rakovník

† ***Pleophrynus* Petrunkevitch, 1945*a*** ..... **Carboniferous**

62. *Pleophrynus verrucosus* (Pocock, 1911) ..... C Coal Measures

i. = *Eophrynus warei* Dix & Pringle, 1930 ..... C Glyncoch, UK
ii. = *Pleophrynus ensifer* Petrunkevitch, 1945*a** ..... C Mazon Creek
iii. = *Eophrynus jugatus* Ambrose & Romano, 1972 ..... C Kilmersdon, UK

63. *Pleophrynus hawsei* Dunlop, Wang, Selden & Krautz, 2014..... C Kinney Brick Quarry

† ***Pocononia*** **Petrunkevitch, 1953** ..... **Carboniferous**

64. *Pocononia whitei* (Ewing, 1930)* ..... C Pocono Shales

† ***Somaspidion*** **Jux, 1982** ..... **Carboniferous**

65. *Somaspidion hammapheron* Jux, 1982* ..... C Dinslaken

† ***Stenotrogulus*** **Frič, 1904** ..... **Carboniferous**

= † *Cyclotrogulus* Frič, 1904
= † *Pseudoeophrynus* Příbyl, 1958

66. *Stenotrogulus salmii* (Stur, 1877)* ..... C Ostrava

i. = *Cyclotrogulus sturii* Frič, 1904 [*non* Hasse, 1890] ..... C Ostrava
ii. = *Pseudoeophrynus ostraviensis* Příbyl, 1958 ..... C Ostrava

TRIGONOTARBIDA *incertae sedis*

† ***Anthracophrynus*** **Andrée, 1913** ..... **Carboniferous**

67. *Anthracophrynus tuberculatus* Andrée, 1913* ..... C Dudweiler

† ***Areomartus*** **Petrunkevitch, 1913** ..... **Carboniferous**

68. *Areomartus ovatus* Petrunkevitch, 1913* ..... C West Virginia

† **‘*Eophrynus*’**

69. ‘*Eophrynus*’ *scharfi* Scharf, 1924 ..... P Rotliegend

*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.
- Wunderlich (2015*b*) suggested that Uraraneida should be treated as suborder of Araneae, alongside an Araneida group for all true spiders.

† **URARANEIDA Selden & Shear *in* Selden *et al*., 2008** ..... **Devonian – Permian**

**FAMILY UNCERTAIN**

† ***Attercopus* Selden & Shear *in* Selden *et al*. (1991)** ..... **Devonian**

1. *Attercopus fimbriunguis* (Shear, Selden & Rolfe, 1987)* ..... D Gilboa, New York

† **PERMARACHNIDAE Eskov & Selden, 2005** ..... **Permian**

† ***Permarachne* Eskov & Selden, 2005** ..... **Permian**

2. *Permarachne novokshonovi* Eskov & Selden, 2005* ..... P Matveyevka

# ARANEAE

1,270 currently valid species of fossil spider

**ARANEAE Clerck, 1757** ..... **Carbon. – Recent**

**'mesotheles'** ..... **Carbon. – Recent**

† **ARTHROLYCOSIDAE Frič, 1904** ..... **Carboniferous**

† ***Arthrolycosa*** **Harger, 1874** ..... **Carbon. – Permian**

1. *Arthrolycosa antiqua* Harger, 1874* ..... C Mazon Creek
2. *Arthrolycosa danielsi* Petrunkevitch, 1913 ..... C Mazon Creek

*Arthrolycosa* sp. *in* Eskov & Selden (2005) ..... P Kityak river

*Arthrolycosa* sp. *in* Selden *et al*. (2014) ..... C Chunya, Russia

*Arthrolycosa* sp. *in* Selden *et al*. (2014) ..... C Donets Basin

† ***Eocteniza*** **Pocock, 1911** ..... **Carboniferous**

3. *Eocteniza silvicola* Pocock, 1911* ..... C Coseley

† **ARTHROMYGALIDAE Petrunkevitch, 1923** ..... **Carboniferous**

† ***Arthromygale*** **Petrunkevitch, 1923** ..... **Carboniferous**

4. *Arthromygale fortis* (Frič, 1904)* ..... C Rakovník

i. = *Arthrolycosa beecheri* Frič, 1904 ..... C Rakovník

† ***Eolycosa*** **Kušta, 1885** ..... **Carboniferous**

5. *Eolycosa lorenzi* Kušta, 1885* ..... C Rakovník

† ***Geralycosa*** **Kušta, 1888** ..... **Carboniferous**

6. *Geralycosa fritschi* Kušta, 1888* ..... C Rakovník

† ***Kustaria*** **Petrunkevitch, 1953** ..... **Carboniferous**

= † *Scudderia* Kušta, 1888 [preoccupied]

7. *Kustaria carbonaria* (Kušta, 1888)* ..... C Rakovník

† ***Palaranea*** **Frič, 1873** ..... **Carboniferous**

8. *Palaranea borassifoliae* Frič, 1873* ..... C Czech Republic

† ***Protocteniza*** **Petrunkevitch, 1949** ..... **Carboniferous**

9. *Protocteniza britannica* Petrunkevitch, 1949* ..... C Coseley

† ***Protolycosa*** **Roemer, 1866** ..... **Carboniferous**

10. *Protolycosa anthracophilia* Roemer, 1866* ..... C Silesia
11. *Protolycosa cebennensis* Laurentiaux-Viera & Laurentiaux, 1963 ..... C Cévennes, France

† ***Rakovnicia*** **Kušta, 1884*a*** ..... **Carboniferous**

12. *Rakovnicia antiqua* Kušta, 1884*a** ..... C Rakovník

† **PYRITARANEIDAE Petrunkevitch, 1953** ..... **Carboniferous**

† ***Dinopilio*** **Frič, 1904** ..... **Carboniferous**

13. *Dinopilio gigas* Frič, 1904* ..... C Rakovník

14. *Dinopilo parvus* Petrunkevitch, 1953 ..... C Kent, UK

† ***Pyritaranea*** **Frič, 1901** ..... **Carboniferous**

15. *Pyritaranea tubifera* Frič, 1901* ..... C Nýřany

## MESOTHELAE Pocock, 1892 ..... Carbon. – Recent

**plesion genus**

† ***Palaeothele*** **Selden, 2000** ..... **Carboniferous**

= † *Eothele* Selden, 1996 [preoccupied]

16. *Palaeothele montceauensis* (Selden, 1996)* ..... C Montceau-les-Mines

**LIPHISTIIDAE Pocock, 1892** ..... **Cretaceous – Recent**

= HEPTATHELIDAE Haupt, 1983

† ***Cretaceothele*** **Wunderlich, 2015*b*** ..... **Cretaceous**

17. *Cretaceothele lata* Wunderlich, 2015*b** ..... K Burmese amber

## OPISTHOTHELAE Pocock, 1892 ..... Triassic – Recent

**Opisthothelae *incertae sedis***

† ***Eoatypus*** **McCook, 1888** ..... **Palaeogene**

18. *Eoatypus woodwardii* McCook, 1888* ..... Pa Isle of Wight

## MYGALOMORPHAE Pocock, 1892 ..... Triassic – Recent

Mygalomorpha indet. 1–3 *in* Wunderlich (2008*d*) ..... K Burmese amber

Mygalomorpha indet. 1–2 *in* Wunderlich (2015*b*) ..... K Burmese amber

**ATYPOIDEA Thorell, 1870*a*** ..... **Triassic – Recent**

† ***Friularachne*** **Dalla Vecchia & Selden, 2013** ..... **Triassic**

19. *Friularachne rigoi* Dalla Vecchia & Selden, 2013* ..... Tr Friurli, Italy

**ATYPIDAE Thorell, 1870*a*** ..... **Cretaceous – Recent**

= CALOMMATOIDAE Thorell, 1887

?Atypidae indet. *In* Wunderlich, 2015*b* ..... K Burmese amber

† ***Ambiortiphagus*** **Eskov & Zonstein, 1990** ..... **Cretaceous**

20. *Ambiortiphagus ponomarenkoi* Eskov & Zonstein, 1990* ..... K Central Mongolia

† ***Balticatypus*** **Wunderlich, 2011*h*** ..... **Palaeogene**

21. *Balticatypus beigeli* Wunderlich, 2011*h* ..... Pa Baltic amber

22. *Balticatypus juvenis* Wunderlich, 2011*h** ..... Pa Baltic amber

23. *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**

24. *Cretacattyma raveni* Eskov & Zonstein, 1990* ..... K Central Mongolia

**MECICOBOTHRIIDAE Holmberg, 1882** ..... **Cretaceous – Recent**

= HEXURIDAE Simon, 1889*b*

† ***Cretohexura*** **Eskov & Zonstein, 1990** ..... **Cretaceous**

25. *Cretohexura coylei* Eskov & Zonstein, 1990* ..... K Transbaikalia

† ***Cretomegahexura*** **Eskov & Zonstein, 1990** ..... **Cretaceous**

26. *Cretomegahexura platnicki* Eskov & Zonstein, 1990* ..... K Central Mongolia

**HEXATHELIDAE Simon, 1892*b*** ..... **Triassic – Recent**

† ***Rosamygale*** **Selden & Gall, 1992** ..... **Triassic**

27. *Rosamygale grauvogeli* Selden & Gall, 1992* ..... Tr Vosges, France

**DIPLURIDAE Simon, 1889*b*** ..... **Triassic – Recent**

Dipluridae sp. 1–3 *in* Wunderlich (2004*a*) ..... Pa Baltic amber

Dipluridae sp. *in* Wunderlich (2004*a*) ..... Ne Dominican amber

Dipluridae indet. *in* Wunderlich (2012*d*) ..... K Burmese amber

Dipluridae indet. *in* Wunderlich (2015*b*) ..... K Burmese amber

† ***Clostes*** **Menge, 1869** ..... **Palaeogene**

28. *Clostes priscus* Menge, 1869* ..... Pa Baltic / Bitt. amber

† ***Cretadiplura*** **Selden *in* Selden *et al*., 2006** ..... **Cretaceous**

29. *Cretadiplura ceara* Selden *in* Selden *et al*., 2006* ..... K Crato Formation

† ***Dinodiplura*** **Selden *in* Selden *et al*., 2006** ..... **Cretaceous**

30. *Dinodiplura ambulacra* Selden *in* Selden *et al*., 2006* ..... K Crato Formation

† ***Edwa*** **Raven, Jell & Knezour, 2015** ..... **Triassic**

31. *Edwa maryae* Raven, Jell & Knezour, 2015* ..... Tr Qnslnd., Australia

***Ischnothele*** **Ausserer, 1875** ..... **?Neogene – Recent**

?*Ischnothele* sp. *in* Wunderlich (1988) ..... Ne Dominican amber

***Masteria*** **L. Koch, 1873** ..... **Neogene – Recent**

= † *Microsteria* Wunderlich, 1988

32. *Masteria sexoculata* (Wunderlich, 1988) ..... Ne Dominican amber

*?Masteria* sp. *in* Schawaller (1982*c*: as ?*Ischnothele*) ..... Ne Dominican amber

† ***Phyxioschemoides*** **Wunderlich, 2015*b*** ..... **Cretaceous**

33. *Phyxioschemoides collembola* Wunderlich, 2015*b** ..... K Burmese amber

† ***Seldischnoplura*** **Raven, Jell & Knezour, 2015** ..... **Cretaceous**

34. *Seldischnoplura seldeni* Raven, Jell & Knezour, 2015* ..... K Crato Formation

† **FOSSILCALCARIDAE Wunderlich, 2015*b*** ..... **Cretaceous**

† ***Fossilcalcar*** **Wunderlich, 2015*b*** ..... **Cretaceous**

35. *Fossilcalcar praeteritus* Wunderlich, 2015*b**..... K Burmese amber

**CYRTAUCHENIIDAE Simon, 1892*b*** ..... **Neogene – Recent**

***Bolostromus* Ausserer, 1875** ..... **Neogene – Recent**

36. *Bolostromus destructus* Wunderlich, 1988 ..... Ne Dominican amber

**CTENIZIDAE Thorell, 1887** ..... **Palaeogene – Recent**

= HALONOPROCTIDAE Pocock, 1903

† ***Baltocteniza* Eskov & Zonstein, 2000** ..... **Palaeogene**

37. *Baltocteniza kulickae* Eskov & Zonstein, 2000 ..... Pa Baltic amber

† ***Electrocteniza* Eskov & Zonstein, 2000** ..... **Palaeogene**

38. *Electrocteniza sadilenkoi* Eskov & Zonstein, 2000 ..... Pa Baltic amber

***Ummidia* Thorell, 1875** ..... **Palaeogene – Recent**

39. *Ummidia damzeni* Wunderlich, 2000 ..... Pa Baltic amber

40. *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**

41. *Cretamygale chasei* Selden, 2002* ..... K Isle of Wight

† ***Eodiplurina* Petrunkevitch, 1922** ..... **Palaeogene**

[NB: Selden (2001) questioned this familial placement based on claw structure]

42. *Eodiplurina cockerelli* Petrunkevitch, 1922* ..... Pa Florissant

**MICROSTIGMATIDAE Roewer, 1942** ..... **Neogene – Recent**

= MICROMYGALIDAE Wunderlich, 2004*b*

† ***Parvomygale* Wunderlich, 2004*b*** ..... **Neogene**

43. *Parvomygale distincta* Wunderlich, 2004*b** ..... Ne Dominican amber

**BARYCHELIDAE Simon, 1889*b*** ..... **Neogene – Recent**

***Psalistops* Simon, 1889*b*** ..... **Neogene – Recent**

44. *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**

45. *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**

46. *Argyrarachne solitus* Selden *in* Selden *et al*., 1999* ..... Tr Virginia

† ***Triassaraneus* Selden *in* Selden *et al*., 1999** ..... **Triassic**

47. *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**

48. *Misionella didicostae* Penney, 2005*a* ..... Ne Dominican amber

**SICARIIDAE Keyserling, 1880*a*** ..... **Neogene – Recent**

= LOXOSCELIDAE Simon, 1893

***Loxosceles* Heineken & Lowe, 1832** ..... **Neogene – Recent**

49. *Loxosceles aculicaput* Wunderlich, 2004*c* ..... Ne Dominican amber
50. *Loxosceles defecta* Wunderlich, 1988 ..... Ne Dominican amber
51. *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**

52. ?*Scytodes hani* Wunderlich, 2012*d* ..... K Jordanian amber
53. *Scytodes marginalis* Wunderlich, 2004*as* ..... Qt Madagascan copal
54. *Scytodes piliformis* Wunderlich, 1988 ..... Ne Dominican amber
55. *Scytodes planithorax* Wunderlich, 1988 ..... Ne Dominican amber
56. *Scytodes stridulans* Wunderlich, 1988 ..... Ne Dominican amber
57. *Scytodes weitschati* Wunderlich, 1993*a* ..... Pa Baltic amber

*Scytodes* sp. *in* Wunderlich (1988) ..... Ne Dominican amber

*Scytodes* sp. *in* Wunderlich (2011*h*) ..... Pa Baltic amber

**PERIEGOPIDAE Simon, 1893** ..... **Recent**

no fossil record

**DRYMUSIDAE Simon, 1893** ..... **Recent**

no fossil record

† **PRAETERLEPTONETIDAE Wunderlich 2008*d*** ..... **Cretaceous**

Praeterleptonetidae indet. *in* Wunderlich (2008*d*) ..... K Burmese amber

?Praeterleptonetidae indet. *in* Wunderlich 2015*b* ..... K Burmese amber

† ***Autotomiana* Wunderlich, 2015*b*** ..... **Cretaceous**

58. *Autotomiana hirsutipes* Wunderlich, 2015*b** ..... K Burmese amber

*?Autotomiana* sp. indet. *in* Wunderlich, 2015*b* ..... K Burmese amber

† ***Biapophyses* Wunderlich, 2015*b*** ..... **Cretaceous**

59. *Biapophyses beate* Wunderlich, 2015*b** ..... K Burmese amber

† ***Crassitibia* Wunderlich, 2015*b*** ..... **Cretaceous**

60. *Crassitibia longispina* Wunderlich, 2015*b** ..... K Burmese amber
61. *Crassitibia tenuimana* Wunderlich, 2015*b* ..... K Burmese amber

† ***Curvitibia* Wunderlich, 2015*b*** ..... **Cretaceous**

62. *Curvitibia curima* Wunderlich, 2015*b**. ..... K Burmese amber

† ***Groehnianus* Wunderlich, 2015*b*** ..... **Cretaceous**

63. *Groehnianus burmensis* Wunderlich, 2015*b** ..... K Burmese amber

† ***Hypotheridiosoma* Wunderlich, 2012*d*** ..... **Cretaceous**

64. *Hypotheridiosoma falcata* Wunderlich, 2015*b* ..... K Burmese amber

65. *Hypotheridiosoma paracymbium* Wunderlich, 2012*d** ..... K Burmese amber

† ***Palaeohygropoda* Penney, 2004*c*** ..... **Cretaceous**

66. *Palaeohygropoda myanmarensis* Penney, 2004*c** ..... K Burmese amber

† ***Parvispina* Wunderlich, 2015*b*** ..... **Cretaceous**

67. *Parvispina tibialis* (Wunderlich, 2011*i*)* ..... K Burmese amber

† ***Praeterleptoneta* Wunderlich, 2008*d*** ..... **Cretaceous**

68. *Praeterleptoneta spinipes* Wunderlich, 2008*d** ..... K Burmese amber

† ***Spinipalpitibia* Wunderlich, 2015*b*** ..... **Cretaceous**

69. *Spinipalpitibia maior* Wunderlich, 2015*b** ..... K Burmese amber

† **PHOLCOCHYROCERIDAE Wunderlich, 2008*d* (n. stat. 2012*d*)** ..... **Cretaceous**

† ***Pholcochyrocer* Wunderlich, 2008*d*** ..... **Cretaceous**

70. *?Pholcochyrocer baculum* Wunderlich, 2012*d* ..... K Burmese amber

71. *Pholcochyrocer guttulaequae* Wunderlich, 2008*d** ..... K Burmese amber

72. *Pholcochyrocer pecten* Wunderlich, 2012*d* ..... K Burmese amber

† ***Spinicreber* Wunderlich, 2015*b*** ..... **Cretaceous**

73. *Spinicreber antiquus* Wunderlich, 2015*b** ..... K Burmese amber

† ***Spinipalpus* Wunderlich, 2015*b*** ..... **Cretaceous**

74. *Spinipalpus vetus* Wunderlich, 2015*b** ..... K Burmese amber

**LEPTONETIDAE Simon, 1890** ..... **Cretaceous – Recent**

† ***Eoleptoneta* Wunderlich, 1991** ..... **Palaeogene**

75. *Eoleptoneta curvata* Wunderlich, 2004*c* ..... Pa Bitterfeld amber

76. *Eoleptoneta duocalcar* Wunderlich, 2004*c* ..... Pa Baltic amber

77. *Eoleptoneta kutscheri* Wunderlich, 1991* ..... Pa Bitterfeld amber

78. *Eoleptoneta multispinae* Wunderlich, 2011*h* ..... Pa Baltic amber

79. *Eoleptoneta pseudoarticulata* Wunderlich, 2011*h* ..... Pa Baltic amber

80. *Eoleptoneta similis* Wunderlich, 2004*c* ..... Pa Baltic amber

† ***Oligoleptoneta* Wunderlich 2004*c*** ..... **Palaeogene**

81. *Oligoleptoneta altoculus* Wunderlich 2004*c** ..... Pa Baltic amber

82. *Oligoleptoneta cymbiospina* Wunderlich, 2011*h* ..... Pa Baltic amber

† ***Palaeoleptoneta* Wunderlich 2012*d*** ..... **Cretaceous**

83. *Paleoleptoneta calcar* Wunderlich, 2012*d** ..... K Burmese amber

**TELEMIDAE Fage, 1913** ..... **Palaeogene – Recent**

***Telema* Simon, 1882** ..... **Palaeogene – Recent**

84. *?Telema moritzi* Wunderlich, 2004*c* ..... Pa Baltic / Bitt. amber

**† EOPSILODERCIDAE Wunderlich, 2008*d***

NB: Wunderlich (2012*d*) recognised this as a junior synonym of a family Psilodercidae, but Wunderlich (2015*b*) subsequently reinstated the family

† ***Eopsiloderces* Wunderlich, 2008*d*** ..... **Cretaceous**

85. *Eopsiloderces loxosceloides* Wunderlich, 2008*d** ..... K Burmese amber
86. *Eopsiloderces serenitas* Wunderlich, 2015*b* ..... K Burmese amber

*Eopsiloderces* sp. indet. *in* Wunderlich (2015*b*) ..... K Burmese amber

**OCHYROCERATIDAE Fage, 1912 *s. l.* [incl. PSILODERCINAE]** ..... **Cretaceous – Recent**

NB: Wunderlich (2015*b*) recognised Psilodercidae as a distinct family.

?Eopsilodercidae indet. 1–3 *in* Wunderlich (2008*d*) ..... K Burmese amber

† ***Arachnolithulus* Wunderlich, 1988** ..... **Neogene**

87. *Arachnolithulus longipes* Wunderlich, 2004*c* ..... Ne Dominican amber
88. *Arachnolithulus pygmaeus* Wunderlich, 1988* ..... Ne Dominican amber

?*Arachnolithulus* sp. *in* Wunderlich (1988) ..... Ne Dominican amber

† ***Furcembolus* Wunderlich, 2008*d*** ..... **Cretaceous**

89. *Furcembolus andersoni* Wunderlich, 2008*d* ..... K Burmese amber

***Leclercera* Deeleman-Reinhold, 1995** ..... **Cretaceous – Recent**

90. *Leclercera ellenbergeri* Wunderlich, 2015*b* ..... K Burmese amber
91. *Leclercera longissipes* Wunderlich, 2012*d* ..... K Burmese amber
92. *Leclercera sexaculeata* Wunderlich, 2015*b* ..... K Burmese amber
93. *Leclercera spicula* Wunderlich, 2012*d* ..... K Burmese amber

*Leclercera* sp. indet. *in* (Wunderlich, 2015*b*) ..... K Burmese amber

† ***Propterpsiloderces* Wunderlich, 2015*b*** ..... **Cretaceous**

94. *Propterpsiloderces longisetae* Wunderlich, 2015*b** ..... K Burmese amber

***Psiloderces* Simon, 1892** ..... **?Cretaceous – Recent**

95. ?*Psiloderces filiformis* Wunderlich, 2012*d* ..... K Burmese amber

**PHOLCIDAE C. L. Koch, 1851** ..... **Palaeogene – Recent**

Pholcidae sp. 1–2 *in* Wunderlich (2004*b*) ..... Pa Baltic amber

Pholcidae sp. *in* Wunderlich (2004*au*) ..... Pa Fu Shun amber

***Coryssocnemis* Simon, 1893** ..... **Neogene – Recent**

96. ?*Coryssocnemis velteni* Wunderlich, 2004*c* ..... Ne Dominican amber

***Leptopholcus* Simon, 1893** ..... **Neogene**

97. *Leptopholcus kiskeya* Huber & Wunderlich, 2006 ..... Ne Dominican amber

***Modisimus* Simon, 1893** ..... **Neogene – Recent**

98. *Modisimus calcar* Wunderlich, 1988 ..... Ne Dominican amber
99. *Modisimus calcaroides* Wunderlich, 1988 ..... Ne Dominican amber
100. *Modisimus crassifemoralis* Wunderlich, 1988 ..... Ne Dominican amber
101. *Modisimus oculatus* Wunderlich, 1988 ..... Ne Dominican amber
102. *Modisimus tuberosus* Wunderlich, 1988 ..... Ne Dominican amber

*Modisimus* sp. *in* Wunderlich (1988) ..... Ne Dominican amber

† ***Paraspermophora* Wunderlich, 2004c** ..... **Palaeogene**

103. *Paraspermophora bitterfeldensis* Wunderlich, 2004*c* ..... Pa Bitterfeld amber

104. *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**

105. *Pholcophora brevipes* Wunderlich, 1988 ..... Ne Dominican amber

106. *Pholcophora gracilis* Wunderlich, 1988 ..... Ne Dominican amber

107. *Pholcophora longicornis* Wunderlich, 1988 ..... Ne Dominican amber

***Quamtana* Huber, 2003** ..... **Palaeogene – Recent**

108. *Quamtana huberi* Penney, 2007*a* ..... Pa Le Quesnoy amber

† ***Serratochorus* Wunderlich, 1988** ..... **Neogene**

109. *Serratochorus pygmaeus* Wunderlich, 1988* ..... Ne Dominican amber

**PLECTREURIDAE Simon, 1893** ..... **Jurassic – Recent**

† ***Eoplectreurys* Selden & Huang, 2010** ..... **Jurassic**

110. *Eoplectreurys gertschi* Selden & Huang, 2010* ..... J Daohugou

† ***Montsecarachne* Selden, 2014*a*** ..... **Cretaceous**

111. *Montsecarachne amicorum* Selden, 2014*a** ..... K El Montsec

NB: Erroneously cited as *amicus* in the abstract.

† ***Palaeoplectreurys* Wunderlich, 2004c** ..... **Palaeogene**

112. *Palaeoplectreurys baltica* Wunderlich, 2004*c** ..... Pa Baltic amber

***Plectreurys* Simon, 1893** ..... **Neogene – Recent**

113. *Plectreurys pittfieldi* Penney, 2009 ..... Ne Dominican amber

**DIGUETIDAE F. O. P.-Cambridge, 1899** ..... **Recent**

no fossil record

**CAPONIIDAE Simon, 1890** ..... **Neogene – Recent**

= COLOPHONIDAE O. P.-Cambridge, 1874 [based on a generic homonym]

***Nops* MacLeay, 1839** ..... **Neogene – Recent**

*Nops* sp. *in* Wunderlich (1988) ..... Ne Dominican amber

114. *Nops lobatus* Wunderlich, 1988 ..... Ne Dominican amber

i. = *Nops segmentatus* Wunderlich, 1988 ..... Ne Dominican amber

**TETRABLEMMIDAE O. P.-Cambridge, 1873** ..... **Cretaceous – Recent**

= PHAEDOMOIDAE Thorell, 1890 [based on a generic homonym]

= PACULLIDAE Simon, 1894

Tetrablemmidae gen. indet. *in* Wunderlich (2012*d*) ..... K Burmese amber

Tetrablemmidae ?gen. sp. indet. *in* Wunderlich, 2015*b* ..... K Burmese amber

† ***Balticoblemma* Wunderlich, 2004*c*** ..... **Palaeogene**

115. *Balticoblemma unicorniculum* Wunderlich, 2004*c** ..... Pa Baltic amber

† ***Bicornoculus* Wunderlich, 2015*b*** ..... **Cretaceous**

116. *Bicornoculus levis* Wunderlich, 2015*b** ..... K Burmese amber

?*Bicornoculus* sp. *in* Wunderlich, 2015*b* ..... K Burmese amber

† ***Electroblemma* Selden, Zhang & Ren, 2016** ..... **Cretaceous**

117. *Electroblemma bifida* Selden, Zhang & Ren, 2016* ..... K Burmese amber

† ***Eogamasomorpha* Wunderlich, 2008*d*** ..... **Cretaceous**

118.?*Eogamasomorpha clara* Wunderlich, 2015*b* ..... K Burmese amber

119.*Eogamasomorpha nubila* Wunderlich, 2008*d** ..... K Burmese amber

† ***Eoscaphiella* Wunderlich, 2011*i*** ..... **Cretaceous**

120.*Eoscaphiella ohlhoffi* Wunderlich, 2011*i** ..... K Burmese amber

***Monoblemma* Gertsch, 1941** ..... **Neogene**

121.?*Monoblemma spinosum* Wunderlich, 1988* ..... Ne Dominican amber

† ***Praeterpaculla* Wunderlich, 2015*b*** ..... **Cretaceous**

122.*Praeterpaculla armatura* Wunderlich, 2015*b* ..... K Burmese amber

123.*Praeterpaculla biacuta* Wunderlich, 2015*b* ..... K Burmese amber

124.*Praeterpaculla dissolata* Wunderlich, 2015*b* ..... K Burmese amber

125.*Praeterpaculla equester* Wunderlich, 2015*b* ..... K Burmese amber

126.*Praeterpaculla tuberosa* Wunderlich, 2015*b** ..... K Burmese amber

† ***Saetosoma* Wunderlich, 2012*d*** ..... **Cretaceous**

127.*Saetosoma filiembolus* Wunderlich, 2012*d** ..... K Burmese amber

† ***Uniscutosoma* Wunderlich, 2015*b*** ..... **Cretaceous**

128.*Uniscutosoma aberrans* Wunderlich, 2015*b** ..... K Burmese amber

**TROGLORAPTORIDAE Griswold, Audisio & Ledford, 2012** ..... **Recent**

no fossil record

**DYSDEROIDEA Bristowe, 1938** ..... **Cretaceous – Recent**

?Dysderoidea *s. l.* indet 1–2 *in* Wunderlich (2008*d*) ..... K Burmese amber

**SEGESTRIIDAE Simon, 1893** ..... **Cretaceous – Recent**

?Segestriidae indet *in* Wunderlich (2008*d*) ..... K Burmese amber

***Ariadna* Audouin, 1826** ..... **Cretaceous – Recent**

129. *Ariadna copalis* Wunderlich, 2008*a* ..... Qt ?Madagascan copal

130. *Ariadna defuncta* Wunderlich, 2004*c* ..... Pa Bitterfeld amber

131. *Ariadna hintzei* Wunderlich, 2004*as* ..... Qt Madagascan copal

132. *Ariadna ovalis* Wunderlich, 2008*a* ..... Pa Baltic amber

133. *Ariadna parva* Wunderlich, 2008*a* ..... Pa Baltic amber

134. *Ariadna paucispinosa* Wunderlich, 1988 ..... Ne Dominican amber

135. *Ariadna resinae* Hickman, 1957 ..... Ne? Australian copal

?*Ariadna* sp. *in* Wunderlich (1988) ..... Ne Dominican amber

† ***Denticulsegestria* Wunderlich, 2015*b*** ..... **Cretaceous**

136.*Denticulsegestria rugosa* Wunderlich, 2015*b** ..... K Burmese Amber

† ***Jordansegestria* Wunderlich 2015*b*** ..... **Cretaceous**

137.*Jordansegestria detruneo* Wunderlich, 2015*b** ..... K Jordanian Amber

† ***Jordariadna* Wunderlich, 2015*b*** ..... **Cretaceous**

138. *Jordariadna amissiocoli* Wunderlich, 2008*d** ..... K Jordanian amber

† ***Lebansegestria* Wunderlich, 2008*d*** ..... **Cretaceous**

139. *Lebansegestria azari* Wunderlich, 2008*d** ..... K Lebanese amber

† ***Microsegestria* Wunderlich & Milki, 2004** ..... **Cretaceous**

140. *Microsegestria poinari* Wunderlich & Milki, 2004* ..... K Lebanese amber

† ***Myansegestria* Wunderlich, 2015*b*** ..... **Cretaceous**

141. *Myansegestria caederens* Wunderlich 2015*b* ..... K Burmese Amber

142. *Myansegestria engin* Wunderlich, 2015*b** ..... K Burmese Amber

† ***Palaeosegestria* Penney, 2004*a*** ..... **Cretaceous**

143. *Palaeosegestria lutzzii* Penney, 2004*a** ..... K New Jersey amber

† ***Parvosegestria* Wunderlich, 2015*b*** ..... **Cretaceous**

144. *Parvosegestria longitibialis* Wunderlich, 2015*b* ..... K Burmese Amber

145. *Parvosegestria obscura* Wunderlich, 2015*b** ..... K Burmese Amber

146. *Parvosegestria pintgu* Wunderlich, 2015*b* ..... K Burmese Amber

147. *Parvosegestria triplex* Wunderlich, 2015*b* ..... K Burmese Amber

***Segestria* Latreille, 1804*a*** ..... **Cretaceous – Recent**

148. *Segestria cristata* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

149. *Segestria flexio* Wunderlich, 2004*c* ..... Pa Baltic amber

150. *Segestria mortalis* Wunderlich 2004*c* ..... Pa Baltic amber

151. *Segestria plicata* Petrunkevitch, 1950 ..... Pa Baltic amber

152. *Segestria scudderi* Petrunkevitch, 1922 ..... Pa Florissant

153. *Segestria secessa* Scudder, 1890*a* ..... Pa Florissant

154. *Segestria succinei* Berland, 1939 ..... Pa Baltic amber

155. *Segestria tomentosa* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

i. = *Segestria plicata* Petrunkevitch, 1950 [provisional] ..... Pa Baltic amber

*Segestria* sp. *in* Penney (2002) ..... K New Jersey amber

*Segestria* sp. *in* Wunderlich (2004*c*) ..... Pa Baltic amber

*Segestria* sp. *in* Selden (2014*b*) ..... Pa Isle of Wight

† ***Vetsegestria* Wunderlich, 2004*c*** ..... **Palaeogene**

156. *Vetsegestria quinquespinosa* Wunderlich, 2004*c** ..... Pa Baltic / Bitter. amber

**DYSDERIDAE C. L. Koch, 1837** ..... **Palaeogene – Recent**

† ***Dasumiana* Wunderlich, 2004*c*** ..... **Palaeogene**

157. *Dasumiana emicans* Wunderlich, 2004*c** ..... Pa Baltic amber

158. *?Dasumiana subita* (Petrunkevitch, 1958) ..... Pa Baltic amber

159. *Dasumiana valga* Wunderlich, 2004*c* ..... Pa Baltic amber

***Dysdera* Latreille, 1804** ..... **Palaeogene – Recent**

160. *Dysdera dilatata* Zhang, Sun & Zhang, 1994 ..... Ne Shanwang

***Harpactea* Bristowe, 1939** ..... **Palaeogene – Recent**

161. *Harpactea communis* Wunderlich, 2004*c* ..... Pa Baltic amber

162. *Harpactea extincta* Petrunkevitch, 1950 ..... Pa Baltic amber

163. *Harpactea hombergi* (Scopoli, 1763) **[Recent]** ..... Qt England
164. *Harpactea longibulbus* Wunderlich, 2011*h* ..... Pa Baltic amber
165. *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**
166. *Segistriites cromei* Straus, 1967* ..... Ne Willershausen

**Dysderidae?**

† ***Mistura* Petrunkevitch, 1971** ..... **Neogene**
167. *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**
168. *Burmorchestina pulcher* Wunderlich, 2008*a** ..... K Burmese amber

† ***Canadaorchestina* Wunderlich, 2008*a*** ..... **Cretaceous**
169. *Canadaorchestina albertenis* (Penney, 2006*a*)* ..... K Manitobian amber

† ***Fossilopaea* Wunderlich, 1988** ..... **Neogene**
170. *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**
171. *Orchestina (Baltorchestina) angulata* Wunderlich, 2012*f*
[replacement name] ..... Pa Bitterfeld amber
i. = *Orchestina (B.) rectangulata* Wunderlich, 2011*h* [preoccupied]
172. *Orchestina baltica* Petrunkevitch, 1942 ..... Pa Baltic amber
173. *Orchestina (Baltorchestina) bitterfeldensis* Wunderlich, 2008*a* ..... Pa Bitterfeld amber
174. *Orchestina breviembolus* Wunderlich, 1981 ..... Pa Baltic amber
175. *Orchestina (Baltorchestina) brevis* Wunderlich, 2008*a* ..... Pa Baltic amber
176. *Orchestina crassiembolus* Wunderlich, 1981 ..... Pa Baltic amber
177. *Orchestina (Baltorchestina) crassipatellaris* Wunderlich, 1981 ..... Pa Baltic amber
178. *Orchestina (Baltorchestina) crassitibialis* Wunderlich, 1981 ..... Pa Baltic amber
179. *Orchestina (Baltorchestina) colchembolus* Wunderlich, 1981 ..... Pa Baltic amber
180. *Orchestina colombiensis* Wunderlich, 2004*at* ..... Qt Colombian copal
181. *Orchestina dominicana* Wunderlich, 1981 ..... Ne Dominican amber
182. *Orchestina forceps* Wunderlich, 1981 ..... Pa Baltic amber
183. *Orchestina (Baltorchestina) forfex* Wunderlich, 2011*h* ..... Pa Baltic amber
184. *Orchestina (Baltorchestina) furca* Wunderlich, 1981 ..... Pa Baltic amber
185. *Orchestina fushunensis* Wunderlich, 2004*au* ..... Pa Fu Shun amber

186. *Orchestina gappi* Saupe *et al*., 2012 ..... K Archingeay amber
187. *Orchestina gracilitibialis* Wunderlich, 2004*c* ..... Pa Baltic amber
188. *Orchestina (Baltorchestina) imperialis* Petrunkevitch, 1963 ..... Pa Baltic/Bitter. amber
189. *Orchestina kenyana* Wunderlich, 1981 ..... Qt East African copal
190. *Orchestina longimana* Wunderlich, 1981 ..... Qt East African copal
191. *Orchestina madagascariensis* Wunderlich, 2004*as* ..... Qt Madagascan copal
192. *Orchestina mortua* Petrunkevitch, 1971 ..... Ne Chiapas amber
193. *Orchestina (Baltorchestina) multisetae* Wunderlich, 2008*a* ..... Pa Baltic amber
194. *Orchestina (Gallorchestina) parisiensis* Penney, 2007*b* ..... Pa Le Quesnoy amber
195. *Orchestina (Baltorchestina) perfecta* Wunderlich, 2008*a* ..... Pa Baltic amber
196. *Orchestina pusilla* (Menge *in* C. L. Koch & Berendt, 1854) ..... Pa Baltic amber
197. *Orchestina rabagensis* Saupe *et al.*, 2012 ..... K El Soplao amber
198. *Orchestina (Baltorchestina) rectangulata* Wunderlich, 2008*a* ..... Pa Baltic amber
199. *Orchestina (Baltorchestina) sternalis* Wunderlich, 2008*a* ..... Pa Baltic amber
200. *Orchestina tibialis* Wunderlich, 1988 ..... Ne Dominican amber
201. *Orchestina truncata* Wunderlich, 2004*at* ..... Qt Colombian copal
202. *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**
203. *Stenoonops incertus* (Wunderlich, 1988) ..... Ne Dominican amber
204. ?*Stenoonops rugosus* Wunderlich, 2004*c* ..... Pa Bitterfeld amber
205. *Stenoonops seldeni* (Penney, 2000) ..... Ne Dominican amber

**ORSOLOBIDAE Cooke, 1965** ..... **Recent**
no fossil record

† **PLUMORSOLIDAE Wunderlich, 2008*d*** ..... **Cretaceous**
?Plumorsolidae indet. *in* Wunderlich (2008*d*) ..... K Burmese amber
?Plumorsolidae indet. *in* Wunderlich (2011*i*) ..... K Burmese amber
† ***Burmorsolus* Wunderlich, 2015*b*** ..... **Cretaceous**
206. *Burmorsolus crassus* Wunderlich, 2015*b* ..... K Burmese amber
207. *Burmorsolus nonplumosus* Wunderlich, 2015*b** ..... K Burmese amber
*Burmorsolus* sp. indet. *in* Wunderlich (2015*b*) ..... K Burmese amber
† ***Plumorsolus* Wunderlich, 2008*d*** ..... **Cretaceous**
208. *Plumorsolus gondwanensis* Wunderlich, 2008*d* ..... K Lebanese amber

**ENTELEGYNAE Simon, 1893** ..... **Triassic – Recent**
**PALPIMANOIDEA Thorell, 1870a** ..... **Jurassic – Recent**
**family uncertain**

† ***Seppo* Selden & Dunlop, 2014** ..... **Jurassic**

209.*Seppo koponeni* Selden & Dunlop, 2014* ..... J Grimmen, Germany

NB: Wunderlich (2015*b*) suggested possible affinities to Araneidae.

† ***Sinaranea* Selden, Huang & Ren, 2008** ..... **Jurassic**

210.*Sinaranea metaxyostraca* Selden, Huang & Ren, 2008* ..... J Daohugou, China

**ARCHAEIDAE C. L. Koch & Berendt, 1854** ..... **Jurassic – Recent**

Archaeinae indet. *in* Wunderlich, 2015*b* ..... K Burmese amber

***Archaea* C. L. Koch & Berendt, 1854** ..... **Palaeogene – Recent**

211.?*Archaea bitterfeldensis* Wunderlich, 2004*d* ..... Pa Bitterfeld amber

212.*Archaea compacta* Wunderlich, 2004*d* ..... Pa Baltic amber

213.*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

214.*Archaea pougneti* Simon, 1884*b* ..... Pa Baltic amber

† ***Baltarchaea* Eskov, 1992** ..... **Palaeogene**

215.*Baltarchaea conica* (C. L. Koch & Berendt, 1854)* ..... Pa Baltic amber

† ***Burmesarchaea* Wunderlich, 2008*d*** ..... **Cretaceous**

216.*Burmesarchaea grimaldii* (Penney, 2003*a*) ..... K Burmese amber

† ***Eoarchaea* Forster & Platnick, 1984** ..... **Palaeogene**

217.*Eoarchaea hyperoptica* (Menge *in* C. L. Koch & Berendt, 1854)* .... Pa Baltic amber

218.*Eoarchaea vidua* Wunderlich, 2004*d* ..... Pa Baltic amber

† ***Eomysmauchenius* Wunderlich, 2008*d*** ..... **Cretaceous**

219.*Eomysmauchenius septentrionalis* Wunderlich, 2008*d** ..... K Burmese amber

***Eriauchenius* O. P.-Cambridge, 1881** ..... **Quaternary – Recent**

220.*Eriauchenius gracilicollis* (Millot, 1948) **[Recent]** ..... Qt Copal

i. = *Archaea copalensis* Lourenço, 2000*b* ..... Qt Copal

† ***Filiauchenius* Wunderlich, 2008*d*** ..... **Cretaceous**

NB: Wundelich (2015*b*) tentatively synonymised this genus with *Lacunauchenius*.

221.*Filiauchenius paucidentatus* Wunderlich, 2008*d** ..... K Burmese amber

† ***Jurarchaea* Eskov, 1987** ..... **Jurassic**

222.*Jurarchaea zherikhini* Eskov, 1987* ..... J Kazakhstan

† ***Lacunauchenius* Wunderlich, 2008*d*** ..... **Cretaceous**

223.*Lacunauchenius longissipes* Wunderlich, 2015*b* ..... K Burmese amber

224.*Lacunauchenius pilosus* Wunderlich, 2015*b* ..... K Burmese amber

225.*Lacunauchenius speciosus* Wunderlich, 2008*d** ..... K Burmese amber

*Lacunauchenius* sp. indet. *in* Wunderlich, 2015*b* ..... K Burmese amber

† ***Myrmecarchaea* Wunderlich, 2004*d*** ..... **Palaeogene**

226.*Myrmecarchaea petiolus* Wunderlich, 2004*d** ..... Pa Baltic amber

227.*Myrmecarchaea pediculus* Wunderlich, 2004*d* ..... Pa Baltic amber

† ***Patarchaea*** **Selden, Huang & Ren, 2008** ..... **Jurassic**

228.*Patarchaea muralis* Selden, Huang & Ren, 2008* ..... J Daohugou, China

† ***Planarchaea*** **Wunderlich, 2015*b*** ..... **Cretaceous**

229.*Planarchaea kopp* Wunderlich, 2015*b** ..... K Burmese amber

† ***Saxonarchaea*** **Wunderlich, 2004*d*** ..... **Palaeogene**

230.*Saxonarchaea dentata* Wunderlich, 2004*d** ..... Pa Bitterfeld amber

231.*Saxonarchaea diabolica* Wunderlich, 2004*d* ..... Pa Bitterfeld amber

**MECYSMAUCHENIIDAE Simon, 1895** ..... **Cretaceous – Recent**

† ***Archaemecys*** **Saupe & Selden, 2009** ..... **Cretaceous**

232.*Archaemecys arcantiensis* Saupe & Selden, 2009 ..... K Charente amber

NB: Wunderlich (2015*b*) suggested that this could be an archaeid (Archaeinae).

**PARARCHAEIDAE Forster & Platnick, 1984** ..... **Recent**

no fossil record

**HOLARCHAEIDAE Forster & Platnick, 1984** ..... **Recent**

no fossil record

**MICROPHOLCOMMATIDAE Hickman, 1944** ..... **Palaeogene – Recent**

† ***Cenotextricella*** **Penney *in* Penney *et al*., 2007** ..... **Palaeogene**

233.*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**

234.*Micropalpimanus poinari* Wunderlich, 2008*d* ..... K Burmese amber

*Micropalpimanus* sp. indet *in* Wunderlich (2012*d*) ..... K Burmese 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**

Lagonomegopidae indet. *in* Wunderlich, 2015*b* ..... K Burmese amber

† ***Archaelagonops*** **Wunderlich, 2012*d*** ..... **Cretaceous**

235.*Archaelagonops propinquus* Wunderlich, 2015*b*..... K Burmese amber

236.*Archaelagonops salticoides* Wunderlich, 2012*d** ..... K Burmese amber

237.*Archaelagonops scorsum* Wunderlich, 2015*b*..... K Burmese amber

*Archaelagonops* sp. indet. *in* Wunderlich (2015*b*) ..... K Burmese amber

† ***Burlagonomegops*** **Penney, 2005*b*** ..... **Cretaceous**

238.*Burlagonomegops alavensis* Penney, 2006*b* ..... K Álava amber

239.*Burlagonomegops eskovi* Penney, 2005*b** ..... K Burmese amber

† ***Cymbiolagonops*** **Wunderlich, 2015*b***..... **Cretaceous**

240.*Cymbiolagonops cymbiocalcar* Wunderlich, 2015*b**..... K Burmese amber

† ***Lagonoburmops*** **Wunderlich, 2012*d*** ..... **Cretaceous**

241.*Lagonoburmops plumosus* Wunderlich, 2012*d** ..... K Burmese amber

† ***Lagonomegops*** **Eskov & Wunderlich, 1995** ..... **Cretaceous**

242.*Lagonomegops americanus* Penney, 2005*b* ..... K New Jersey amber

243.*?Lagonomegops cor* Pérez-de la Fuente, Saupe & Selden, 2015... K Álava amber

244.*Lagonomegops sukatchevae* Eskov & Wunderlich, 1995* ..... K Taimyr amber

245.?*Lagonomegops tuber* Wunderlich, 2015*b* ..... K Burmese amber

† ***Lineaburmops*** **Wunderlich, 2015*b*** ..... **Cretaceous**

246.*Lineaburmops beigeli* Wunderlich, 2015*b** ..... K Burmese amber

247.*Lineaburmops hirsutipes* Wunderlich, 2015*b* ..... K Burmese amber

† ***Myanlagonops*** **Wunderlich, 2012*d*** ..... **Cretaceous**

248.*Myanlagonops gracilipes* Wunderlich, 2012*d** ..... K Burmese amber

† ***Parviburmops*** **Wunderlich, 2015*b*** .....**Cretaceous**

249.*Parviburmops brevipalpus* Wunderlich, 2015*b**..... K Burmese amber

† ***Paxillomegops*** **Wunderlich, 2015*b*** ..... **Cretaceous**

250.?*Paxillomegops brevipes* Wunderlich, 2015*b* ..... K Burmese amber

251.*Paxillomegops longipes* Wunderlich, 2015*b** ..... K Burmese amber

† ***Picturmegops*** **Wunderlich, 2015*b*** ..... **Cretaceous**

252.*Picturmegops signatus* Wunderlich, 2015*b** ..... K Burmese amber

† ***Soplaogonomegops*** **Pérez-de la Fuente, Saupe & Selden** ..... **Cretaceous**

NB: Wunderlich (2015*b*) tentatively synonymised this genus with *Archaelagonops.*

253.*Soplaogonomegops unzuei* Pérez-de la Fuente, Saupe & Selden, 2015* .....K El Soplao amber

† ***Spinomegops*** **Pérez-de la Fuente, Saupe & Selden, 2015** ..... **Cretaceous**

254.*Spinomegops aragonensis* Pérez-de la Fuente, Saupe & Selden, 2015 ..... K San Just amber

255.*Spinomegops arcanus* Pérez-de la Fuente, Saupe & Selden, 2015* K Álava amber

† ***Zarquagonomegops*** **Kaddumi, 2007** ..... **Cretaceous**

256.*Zarquagonomegops wunderlichi* Kaddumi, 2007* ..... K Jordanian amber

† **GRANDOCULIDAE Penney, 2011** ..... **Cretaceous**

NB: The validity of this family has been challenged (cf. Wunderlich 2012*d, 2015b* & Pérez-de la Fuente *et al*. 2013).

† ***Grandoculus*** **Penney, 2004*b*** ..... **Cretaceous**

257.*Grandoculus chemahawinensis* Penney, 2004*b** ..... K Manitobian amber

† **SPATIATORIDAE Petrunkevitch, 1942** ..... **Cretaceous – Palaeo.**

† ***Spatiator*** **Petrunkevitch, 1942** ..... **Cretaceous – Palaeo.**

258.*Spatiator caulis* Wunderlich, 2008*a* ..... Pa Baltic amber

259.*Spatiator martensi* Wunderlich, 2006 ..... Pa Baltic amber

260.*Spatiator praeceps* Petrunkevitch, 1942* ..... Pa Baltic amber

261.*Spatiator putescens* Wunderlich, 2015*b* ..... K Burmese amber

*Spatiator* sp. *in* Wunderlich (2011*h*) ..... Pa Baltic amber

† ***Vetiator*** **Wunderlich, 2015*b*** ..... **Cretaceous**

262.*Vetiator gracilipes* Wunderlich, 2015*b* ..... K Burmese amber

**MALKARIDAE Davies, 1980** ..... **Recent**

= STERNODIDAE Moran, 1986

no fossil record

**MIMETIDAE Simon, 1881** ..... **Palaeogene – Recent**

= CTENOPHORIDAE Blackwall, 1870 [younger name protected by useage]

Mimetidae gen. et sp. indet. *in* Penney *et al*. (2012*a*) ..... Pa Indian amber

Mimetini sp. 1–4 *in* Wunderlich (2004*q*) ..... Pa Baltic amber

***Ero*** **C. L. Koch, 1836** ..... **Palaeogene – Recent**

**=** †*Palaeoero* Wunderlich, 2004*q*

= †*Succinero* Wunderlich, 2004*q*

[Wunderlich revalidated both as putative subgenera]

263.*Ero carboneana* Petrunkevitch, 1942 ..... Pa Baltic amber

264.*Ero aberrans* Petrunkevitch, 1958 ..... Pa Baltic amber

NB: Treated as a *nomen dubium* by Harms & Dunlop (2009)

265.*Ero (Succinero) clunis* Wunderlich, 2012*c* ..... Pa Baltic amber

266.*Ero (Succinero) gracilitibialis* Wunderlich, 2012*c* ..... Pa Baltic amber

267.*Ero (Paleoero) longitarsus* (Wunderlich, 2004*q*) ..... Pa Baltic amber

268.*Ero permunda* Petrunkevitch, 1942 ..... Pa Baltic amber

269.*Ero (Succinero) rovnoensis* (Wunderlich, 2004*ar*) ..... Pa Rovno amber

270.*Ero (Succinero) veta* Wunderlich, 2012*c* ..... Pa Baltic amber

***Mimetus*** **Hentz, 1832** ..... **Palaeogene – Recent**

271.*Mimetus bituberculatus* Wunderlich, 1988 ..... Ne Dominican amber

272.*Mimetus brevipes* Wunderlich, 2004*q* ..... Pa Baltic amber

NB: synonymised by Harms & Dunlop (2009), but ressurected by Wunderlich (2012*c*)

273.?*Mimetus longipes* Wunderlich, 2004*q* ..... Pa Baltic amber

?*Mimetus* sp. *in* Wunderlich (1988) ..... Ne Dominican amber

† ***Protomimetus*** **Wunderlich, 2011** ..... **Palaeogene**

274.?*Protomimetus breviclypeus* Wunderlich, 2011*h* ..... Pa Baltic amber

275.*Protomimetus longiclypeus* Wunderlich, 2011*h** ..... Pa Baltic amber

**ERESOIDEA C. L. Koch, 1851** ..... **Cretaceous – Recent**

**ERESIDAE C. L. Koch, 1851** ..... **?Miocene – Recent**

no body fossil record, but a web attributed to the extant genus *Seothyra* was described by Pickford (2000) from Miocene aeolianites in the Namib Desert of Namibia

**'OECOBIOIDEA'**

Oecobioidea fam. indet. *in* Wunderlich (2008*d*) ..... K Burmese amber

Oecobioidea indet. *in* Wunderlich 2015*b* ..... K Jordanian amber

**OECOBIIDAE Blackwall, 1862** ..... **Cretaceous – Recent**

= UROCTEIDAE Thorell, 1869

Oecobiidae indet. *in* Wunderlich, 2015*b* ..... K Burmese amber

† ***Lebanoecobius* Wunderlich, 2004e** ..... **Cretaceous**

276.*Lebanoecobius schleei* Wunderlich, 2004*e** ..... K Lebanese amber

† ***Mizalia* C. L. Koch & Berendt, 1854** ..... **Palaeogene**

= † *Paruroctea* Petrunkevitch, 1942

277.*Mizalia blauvelti* (Petrunkevitch, 1942) ..... Pa Baltic amber

278.*Mizalia gemini* Wunderlich, 2004*e* ..... Pa Baltic amber

279.*Mizalia rostrata* C. L. Koch & Berendt, 1854* ..... Pa Baltic amber

i. = *Mizalia pilosula* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

280.*Mizalia spirembolus* Wunderlich, 2004*e* ..... Pa Baltic amber

*Mizalia* sp. *in* Wunderlich (2011*h*) ..... Pa Baltic/BItter. amber

***Oecobius* Lucas, 1846** ..... **?Cretaceous – Recent**

281.*Oecobius piliformis* Wunderlich, 1988 ..... Ne Dominican amber

?*Oecobius* sp. indet *in* Penney (2002) ..... K New Jersey amber

† ***Retrooecobius* Wunderlich, 2015*b*** ..... **Cretaceous**

282.*Retrooecobius chomskyi* Wunderlich, 2015*b** ..... K Burmese amber

283.*Retrooecobius convexus* Wunderlich, 2015*b* ..... K Burmese amber

***Uroctea* Dufour, 1820** ..... **Palaeogene – Recent**

284.*Uroctea galloprovincialis* Gourret, 1887 ..... Pa Aix-en-Provence

† ***Zamilia* Wunderlich, 2008*d*** ..... **Cretaceous**

285.*Zamilia aculeopectens* Wunderlich, 2015*b* ..... K Burmese amber

286.*Zamilia antecessor* Wunderlich, 2008*d** ..... K Burmese amber

287.*Zamilia quattuormammillae* Wunderlich, 2015*b* ..... K Burmese amber

*Zamilia* sp. indet. *in* Wunderlich, 2015*b* ..... K Burmese amber

**HERSILIIDAE Thorell, 1870*a*** ..... **Cretaceous – Recent**

= CHALINUROIDAE Thorell, 1873

Hersiliidae sp. 1–3 *in* Wunderlich (2004*d*) ..... Pa Baltic amber

Hersiliidae sp. *in* Wunderlich (2011*f*) ..... Qt Madagascar copal

Hersiliidae indet. *in* Wunderlich, 2015*b* ..... K Burmese amber

† ***Burmesiola*** **Wunderlich, 2011*i*** ..... **Cretaceous**

288. *Burmesiola cretacea* Wunderlich, 2011*i** ..... K Burmese amber

289. *Burmesiola daviesi* Wunderlich, 2015*b* ..... K Burmese amber

† ***"Fictotama*** **Petrunkevitch, 1963 (*nomen dubium*)"** ..... **Neogene**

[Wunderlich 2011*f* placed a new species in this genus, which was previously considered a *nomen dubium*. He did not formally revalidate the genus]

290. *"Fictotama" maculosa* Wunderlich, 2011*g* ..... Ne Dominican amber

† ***Gerdia*** **Menge, 1869** ..... **Palaeogene**

291. *Gerdia myura* Menge, 1869* ..... Pa Baltic amber

† ***Gerdiopsis*** **Wunderlich, 2004*e*** ..... **Palaeogene**

292. *Gerdiopsis infrigens* Wunderlich, 2004*e** ..... Pa Baltic amber

† ***Gerdiorum*** **Wunderlich 2004*e*** ..... **Palaeogene**

293. *Gerdiorum inflexum* Wunderlich 2004*e** ..... Pa Baltic amber

***Hersilia*** **Audouin, 1826** ..... **Palaeogene – Recent**

= † *Hersiliopsis* Wunderlich, 2004*e*

294. *Hersilia aquisextana* Gourret, 1887 ..... Pa Aix-en-Provence

295. *Hersilia longipes* Giebel, 1856 ..... Pa Baltic amber

296. *Hersilia madagascarensis* (Wunderlich, 2004*e*) ..... Qt–R Madagas. copal

297. ?*Hersilia miranda* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

† ***Hersiliana*** **Wunderlich, 2004*e*** ..... **Quaternary – Recent**

298. *Hersiliana brevipes* Wunderlich, 2004*e** ..... Qt Madagascan copal

***Hersiliola*** **Thorell, 1870** ..... **Palaeogene – Recent**

*Hersiliola* sp. *in* Selden & Wang (2014) ..... Pa Green River

† ***Prototama*** **Petrunkevitch, 1971** ..... **Neogene**

= † *Priscotama* Petrunkevitch, 1971

299. *Prototama antiqua* (Petrunkevitch, 1971) ..... Ne Chiapas amber

300. *Prototama maior* (Wunderlich, 1988) ..... Ne Dominican amber

301. *Prototama media* (Wunderlich, 1988) ..... Ne Dominican amber

302. *Prototama minor* (Wunderlich, 1987) ..... Ne Dominican amber

303. *Prototama succinea* Petrunkevitch, 1971* ..... Ne Chiapas amber

*Prototama* sp. *in* Wunderlich (1988) ..... Ne Dominican amber

† ***Spinasilia*** **Wunderlich, 2015*b*** ..... **Cretaceous**

304. *Spinasilia dissoluta* Wunderlich, 2015*b** ..... K Burmese amber

**Superfamily uncertain**

† **BURMASCUTIDAE Wunderlich, 2008*d*** ..... **Cretaceous**

† ***Burmascutum*** **Wunderlich, 2008*d*** ..... **Cretaceous**

305. *Burmascutum aenigma* Wunderlich, 2008*d** ..... K Burmese amber

**'CANOE TAPETUM' CLADE** ..... **Triassic – Recent**

**ORBICULARIAE Walckenaer, 1802** ..... **Triassic – Recent**

**DEINOPOIDEA C. L. Koch, 1851** ..... **Jurassic – Recent**

**Stem Deinopoidea**

† ***Zhizhu*** **Selden, Ren & Shih, 2016** ..... **Jurassic – Cretaceous**

306. *Zhizhu daohugouensis* Selden, Ren & Shih, 2016* ..... J Daohugou

307. *Zhizhu jeholensis* Selden, Ren & Shih, 2016 ..... K Jehol Biota

† **SALTICOIDIDAE Wunderlich, 2008*d*** ..... **Cretaceous**

† ***Burmadictyna*** **Wunderlich, 2008*d*** ..... **Cretaceous**

308. *Burmadictyna clava* Wunderlich, 2015*b* ..... K Burmese amber

309. *Burmadictyna excavata* Wunderlich, 2015*b* ..... K Burmese amber

310. *Burmadictyna pecten* Wunderlich, 2008*d** ..... K Burmese amber

?*Burmadictyna* sp. *in* Wunderlich, 2015*b* ..... K Burmese amber

† ***Palaeomicromennus*** **Penney, 2003** ..... **Cretaceous**

311. *Palaeomicromenneus lebanensis* Penney, 2003*b** ..... K Lebanese amber

† ***Salticoidus*** **Wunderlich, 2008*d*** ..... **Cretaceous**

312. *Salticoidus kaddumiorum* Wunderlich, 2008*d** ..... K Jordanian amber

**DEINOPIDAE C. L. Koch, 1851** ..... **Cretaceous – Recent**

***Deinopis*** **MacLeay, 1839** ..... **Quaternary – Recent**

313. *Deinopis* ?*madagascariensis* Lenz, 1886 **[Recent]** ..... Qt Madagascar copal

***Menneus*** **Simon, 1876*b*** ..... **Palaeogene – Recent**

314. ?*Menneus pietrzeniukae* Wunderlich, 2004*g* ..... Pa Baltic amber

?*Menneus* sp. 1–3 *in* Wunderlich (2004*g*) ..... Pa Baltic amber

**ULOBORIDAE Thorell, 1869** ..... **?Jurassic – Recent**

Uloboridae indet. *in* Wunderlich (2011*f*) ..... Qt Madagascar copal

Uloboridae indet. *in* Wunderlich, 2015*b* ..... K Burmese amber

Uloboridae *incerate sedis in* Selden & Wang (2014) ..... Pa Green River

† ***Bicalamistrum*** **Wunderlich, 2015*b*** ..... **Cretaceous**

315. *Bicalamistrum mixtum* Wunderlich, 2015*b* ..... K Burmese amber

† ***Burmuloborus*** **Wunderlich, 2008*d*** ..... **Cretaceous**

316. *Burmuloborus antefixus* Wunderlich, 2015*b* ..... K Burmese amber

317. *Burmuloborus parvus* Wunderlich, 2008*d** ..... K Burmese amber

318. ?*Burmuloborus prolongatus* Wunderlich, 2015*b* ..... K Burmese amber

?*Burmuloborus* sp. indet. *in* Wunderlich, 2015*b* ..... K Burmese amber

† ***Eomiagrammopes*** **Wunderlich, 2004*f*** ..... **Palaeogene**

319. *Eomiagrammopes maior* Wunderlich, 2004*f* ..... Pa Baltic amber

320. *Eomiagrammopes minor* Wunderlich, 2004*f* ..... Pa Baltic amber

321. *Eomiagrammopes semiapertus* Wunderlich, 2011*h* ..... Pa Baltic amber

322. *Eomiagrammopes singularis* Wunderlich, 2004*f** ..... Pa Baltic amber

323. *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**

324.*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

325.*Hyptiotes convexus* Wunderlich, 2004*f* ..... Pa Baltic amber

326.*Hyptiotes glaber* Wunderlich, 2004*f* ..... Pa Baltic amber

327.*Hyptiotes saetosus* Wunderlich, 2004*f* ..... Pa Baltic amber

328.*Hyptiotes stellatus* Wunderlich, 2004*f* ..... Pa Baltic amber

329.*Hyptiotes triqueter* (C. L. Koch & Berendt, 1854) ..... Pa Baltic amber

† ***Jerseyuloborus* Wunderlich, 2011*i*** ..... **Cretaceous**

330.*Jerseyuloborus longisoma* Wunderlich, 2011*i** ..... K New Jersey amber

***Miagrammopes* O. P.-Cambridge, 1870** ..... **Palaeogene – Recent**

331.*Miagrammopes dominicanus* Wunderlich, 2004*e* ..... Ne Dominican amber

*Miagrammopes* sp. *in* Penney (2001) ..... Ne Dominican amber

*Miagrammopes* sp. *in* Wunderlich (2011*f*) ..... Qt Madagascar copal

*Miagrammopes* sp. *in* Selden & Wang (2014) ..... Pa Green River

† ***Microuloborus* Wunderlich, 2015*b*** ..... **Cretaceous**

332.*Microuloborus birmanicus* Wunderlich, 2015*b** ..... K Burmese amber

† ***Ocululoborus* Wunderlich, 2012*d*** ..... **Cretaceous**

333.*Ocululoborus curvatus* Wunderlich, 2012*d** ..... K Burmese amber

† ***Opellianus* Wunderlich, 2004*f*** ..... **Palaeogene**

334.*Opellianus excellens* Wunderlich, 2004*f** ..... Pa Baltic amber

335.*Opellianus kazimierasi* Wunderlich 2004*f* ..... Pa Baltic amber

336.*Opellianus ludwigi* Wunderlich 2004*f* ..... Pa Baltic amber

† ***Palaeomiagrammopes* Wunderlich, 2008*d*** ..... **Cretaceous**

337.*Palaeomiagrammopes vesica* Wunderlich, 2008*d** ..... K Burmese amber

† ***Palaeouloborus* Selden, 1990** ..... **Cretaceous**

338.*Palaeouloborus lacasae* Selden, 1990* ..... K Sierra de Montsech

† ***Paramiagrammopes* Wunderlich, 2008*d*** ..... **Cretaceous**

339.*Paramiagrammopes cretaceus* Wunderlich, 2008*d** ..... K Burmese amber

340.*Paragrammopes* [sic] *longiclypeus* Wunderlich, 2015*b* ..... K Burmese amber

341.*Paramiagrammopes patellidens* Wunderlich, 2015*b* ..... K Burmese amber

*Paramiagrammopes* sp. *in* Wunderlich (2008*d*) ..... K Burmese amber

† ***Talbragaraneus* Selden & Beattie, 2013 [tentative assignment]** ..... **Jurassic**

342.*Talbragaraneus jurassicus* Selden & Beattie, 2013* ..... J Talbragar, Australia

† ***Ulobomopes* Wunderlich, 2004*f*** ..... **Palaeogene**

343.*Ulobomopes unicus* Wunderlich, 2004*f** ..... Pa Baltic amber

† **MONGOLARACHNIDAE Selden, Shi & Ren, 2013** ..... **Jurassic – Cretaceous**

† ***Longissipalpus*** **Wunderlich, 2015*b*** ..... **Cretaceous**

344. *Longissipalpus magnus* Wunderlich, 2015*b* ..... K Burmese amber

345. *Longissipalpus maior* Wunderlich, 2015*b* ..... K Burmese amber

346. *Longissipalpus minor* Wunderlich, 2015*b** ..... K Burmese amber

† ***Mongolarachne*** **Selden, Shi & Ren, 2013** ..... **Jurassic**

347. *Mongolarachne jurassica* (Selden, Shih & Ren, 2011)* ..... J Daohugou

† ***Pedipalparaneus*** **Wunderlich, 2015*b*** ..... **Cretaceous**

348. *Pedipalparaneus seldeni* Wunderlich, 2015*b** ..... K Burmese amber

**ARANEOIDEA Latreille, 1806** ..... **Jurassic – Recent**

Araneoidea fam. indet. *in* Wunderlich (2008*d*) ..... K Burmese amber

† ***Mesarania*** **Hong, 1984** ..... **Jurassic**

349. *Mesarania hebeiensis* Hong, 1984* ..... J Hebei, China

**CYATHOLIPIDAE Simon, 1894** ..... **Palaeogene – Recent**

= TEEMENAARIDAE Davies, 1978

† ***Balticolipus*** **Wunderlich, 2004*m*** ..... **Palaeogene**

350. *Balticolipus kruemmeri* Wunderlich, 2004*m** ..... Pa Baltic / Bitt. amber

† ***Cyathosuccinus*** **Wunderlich, 2004*m*** ..... **Palaeogene**

351. *Cyathosuccinus elongatus* Wunderlich, 2004*m** ..... Pa Baltic amber

† ***Erigolipus*** **Wunderlich, 2004*m*** ..... **Palaeogene**

352. *Erigolipus griswoldi* Wunderlich, 2004*m** ..... Pa Baltic amber

† ***Spinilipus*** **Wunderlich, 1993*b*** ..... **Palaeogene**

353. *Spinilipus bispinosus* Wunderlich, 2004*m* ..... Pa Bitterfeld amber

354. *Spinilipus curvatus* Wunderlich, 2004*m* ..... Pa Bitterfeld amber

355. *Spinilipus glinki* Wunderlich, 2004*m* ..... Pa Baltic amber

356. *Spinilipus kerneggeri* Wunderlich, 1993*b** ..... Pa Baltic amber

357. *Spinilipus longembolus* Wunderlich, 2004*m* ..... Pa Baltic amber

† ***Succinilipus*** **Wunderlich, 1993*b*** ..... **Palaeogene**

358. *Succinilipus abditus* Wunderlich, 2004*m* ..... Pa Baltic / Bitt. amber

359. *Succinilipus aspinosus* Wunderlich, 2004*m* ..... Pa Bitterfeld amber

360. *Succinilipus saxoniensis* Wunderlich, 1993*b* ..... Pa Bitterfeld amber

361. *Succinilipus similis* Wunderlich, 2004*m* ..... Pa Bitterfeld amber

362. *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

363.*Acrometa clava* Wunderlich, 2004*n* ..... Pa Baltic amber

364.*Acrometa cristata* Petrunkevitch, 1942* ..... Pa NE Europe ambers

i. = *Theridiometa edwardsi* Petrunkevitch, 1942 ..... Pa Baltic amber

ii. = *Viocurus fossilis* Petrunkevitch, 1958 ..... Pa Baltic amber

365.*Acrometa eichmanni* Wunderlich, 2004*n* ..... Pa Baltic amber

366.*Acrometa incidens* Wunderlich, 2004*n* ..... Pa Baltic amber

367.*Acrometa minutum* (Petrunkevitch, 1942) ..... Pa Baltic amber

368.*Acrometa pala* Wunderlich, 2004*n* ..... Pa Baltic amber

369.*Acrometa robusta* (Petrunkevitch, 1942) ..... Pa Baltic amber

370.*Acrometa pseudorobusta* Dunlop & Jekel, 2009 ..... Pa Baltic amber

i. = *Acrometa robusta* (Petrunkevitch, 1946) [preoccupied]

371.*Acrometa samlandica* (Petrunkevitch, 1942) ..... Pa Baltic amber

372.*Acrometa setosus* (Petrunkevitch, 1942) ..... Pa Baltic amber

373.*Acrometa succini* Petrunkevitch, 1942 ..... Pa Baltic amber

† ***Anandrus* Menge, 1856** ..... **Palaeogene**

= † *Elucus* Petrunkevitch, 1942

374.*Anandrus inermis* (Petrunkevitch, 1942) ..... Pa Baltic amber

375.*Anandrus infelix* (Petrunkevitch, 1950)* ..... Pa Baltic amber

376.*Anandrus quaesitus* (Petrunkevitch, 1958) ..... Pa Baltic amber

377.*Anandrus redemptus* (Petrunkevitch, 1958) ..... Pa Baltic amber

† ***Chelicerinus* Wunderlich, 2008*a*** ..... **Palaeogene**

378.*Chelicerinus abnormis* Wunderlich, 2008*a* ..... Pa Bitterfeld amber

† ***Cornuanandrus* Wunderlich, 1986** ..... **Palaeogene**

379.*Cornuanandrus bifurcatus* Wunderlich, 2004*n* ..... Pa Bitterfeld amber

380.*Cornuanandrus bitterfeldensis* Wunderlich, 2004*n* ..... Pa Bitterfeld amber

381.*Cornuanandrus corniculans* Wunderlich, 2004*n* ..... Pa Baltic amber

382.*Cornuanandrus maior* Wunderlich, 1986* ..... Pa Baltic amber

383.*Cornuanandrus minor* Wunderlich, 2004*n* ..... Pa Baltic amber

† ***Dubiosynotaxus* Wunderlich, 2004*n*** ..... **Palaeogene**

384.*Dubiosynotaxus perfectus* Wunderlich, 2004*n** ..... Pa Baltic amber

† ***Eosynotaxus* Wunderlich, 2004*n*** ..... **Palaeogene**

385.*Eosynotaxus bispinosus* Wunderlich, 2004*n* ..... Pa Baltic amber

386.*Eosynotaxus bitterfeldensis* Wunderlich, 2004*n* ..... Pa Bitterfeld amber

387.*Eosynotaxus custodens* Wunderlich, 2004*n* ..... Pa Baltic amber

388.*Eosynotaxus fastigatus* Wunderlich, 2004*n* ..... Pa Baltic amber

389.*Eosynotaxus paucispina* Wunderlich, 2004*n* ..... Pa Baltic amber

390.*Eosynotaxus spinipes* Wunderlich, 2004*n* ..... Pa Baltic amber

391.*Eosynotaxus wegneri* Wunderlich, 2004*n** ..... Pa Baltic amber

† ***Gibbersynotaxus* Wunderlich, 2004*n*** ..... **Palaeogene**

392.*Gibbersynotaxus parvus* Wunderlich, 2004*n** ..... Pa Baltic amber

† ***Protophysoglenes* Wunderlich, 2004*n*** ..... **Palaeogene**

393.*Protophysoglenes impressum* Wunderlich, 2004*n** ..... Pa Baltic amber

† ***Pseudoacrometa* Wunderlich, 1986** ..... **Palaeogene**

394.*Pseudoacrometa gracilipes* Wunderlich, 1986* ..... Pa Baltic amber

395.*Pseudoacrometa wittmanni* Wunderlich, 2004*n* ..... Pa Baltic amber

† ***Succinitaxus* Wunderlich, 2004*n*** ..... **Palaeogene**

396.*Succinitaxus brevis* Wunderlich, 2004*n** ..... Pa Baltic, Bitterfeld & Rovno amber

397.?*Succinitaxus minutus* Wunderlich, 2004*n* ..... Pa Baltic amber

† ***Sulcosynotaxus* Wunderlich, 2004*n*** ..... **Palaeogene**

398.*Sulcosynotaxus cavatus* Wunderlich, 2004*n** ..... Pa Baltic amber

**NESTICIDAE Simon, 1894** ..... **Palaeogene – Recent**

† ***Balticonesticus* Wunderlich, 1986** ..... **Palaeogene**

399.*Balticonesticus flexuosus* Wunderlich, 1986* ..... Pa Baltic amber

***Eidmanella* Roewer, 1935** ..... **Quaternary**

400.*Eidmanella pallida* (Emerton, 1875) **[Recent]** ..... Qt Madagascar copal

† ***Eopopino* Petrunkevitch, 1942** ..... **Palaeogene**

401.*Eopopino budrysi* Eskov & Marusik, 1992 ..... Pa Baltic amber

402.*Eopopino inopinatus affinis* Wunderlich, 1986 ..... Pa Baltic amber

403.*Eopopino inopinatus inopinatus* Wunderlich, 1986 ..... Pa Baltic amber

404.*Eopopino longipes* Petrunkevitch, 1942* ..... Pa Baltic amber

405.*Eopopino palanga* Eskov & Marusik, 1992 ..... Pa Baltic amber

406.*Eopopino rarus rarus* Wunderlich, 1986 ..... Pa Baltic amber

407.*Eopopino rarus solitarius* Wunderlich, 1986 ..... Pa Baltic amber

408.*Eopopino rudloffi* Wunderlich, 2004*o* ..... Pa Bitterfeld amber

*Eopopino* sp. *in* Wunderlich (1986) ..... Pa Bitterfeld amber

† ***Heteronesticus* Wunderlich, 1986** ..... **Palaeogene**

409.*Heteronesticus magnoparacymbialis* Wunderlich, 1986* ..... Pa Baltic amber

† ***Hispanonesticus* Wunderlich, 1986** ..... **Neogene**

410.*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**

411.*Achaearanea extincta* Wunderlich, 1988 ..... Ne Dominican amber

*Achaearanea* sp. *in* Wunderlich (1988) ..... Ne Dominican amber

***Argyrodes* Simon, 1864** ..... **Neogene – Recent**

412.*Argyrodes (Ariamnes) copalis* Wunderlich, 2008*b* ..... Qt Colombian copal

413.*Argyrodes (Ariamnes) resina* Wunderlich, 2011*f* ..... Qt Madagascar copal
414.*Argyrodes (Rhomphaea) gibbifera* Wunderlich, 2004*as* ..... Qt Madagascar copal
415.*Argyrodes parvipatellaris* Wunderlich, 1988 ..... Ne Dominican amber
*Argyrodes* sp. *in* Wunderlich (1988) ..... Ne Dominican amber

† ***Balticoridion* Wunderlich, 2008*b*** ..... **Palaeogene**
416.*Balticoridion dubium* Wunderlich, 2008*b** ..... Pa Baltic / Bitt. amber

† ***Balticpholcomma* Wunderlich, 2008*b*** ..... **Palaeogene**
417.*Balticpholcomma scutatum* Wunderlich, 2008*b** ..... Pa Baltic amber

† ***Caudasinus* Wunderlich, 2008*b*** ..... **Palaeogene**
418.*Caudasinus bispinosus* Wunderlich, 2008*b* ..... Pa Baltic amber
419.*Caudasinus caudatus* Wunderlich, 2008*b** ..... Pa Baltic amber
420.*Caudasinus regeneratus* Wunderlich, 2008*b* ..... Pa Baltic amber
*Caudasinus* sp. *in* Wunderlich (2008*b*) ..... Pa Baltic amber

***Chrosiothes* Simon, 1894** ..... **Neogene – Recent**
421.*Chrosiothes biconigerus* Wunderlich, 1988 ..... Ne Dominican amber
422.*Chrosiothes curvispinosus* Wunderlich, 1988 ..... Ne Dominican amber
423.*Chrosiothes emulgatus* Wunderlich, 1988 ..... Ne Dominican amber
424.*Chrosiothes longispinosus* Wunderlich, 1988 ..... Ne Dominican amber
425.*Chrosiothes monoceros* Wunderlich, 1988 ..... Ne Dominican amber
426.*Chrosiothes tumulus* Wunderlich, 1988 ..... Ne Dominican amber
427.*Chrosiothes unicornis* Wunderlich, 1988 ..... Ne Dominican amber

***Chrysso* O. P.-Cambridge, 1882*a*** ..... **Neogene – Recent**
428.*Chrysso conspicua* Wunderlich, 1988 ..... Ne Dominican amber
429.*Chrysso dubia* Wunderlich, 1988 ..... Ne Dominican amber

† ***Clavibertus* Wunderlich, 2008*b*** ..... **Palaeogene**
430.*Clavibertus parvus* Wunderlich, 2008*b* ..... Pa Baltic amber
431.*Clavibertus prominens* Wunderlich, 2008*b** ..... Pa Baltic amber

† ***Clya* C. L. Koch & Berendt, 1854** ..... **Palaeogene**
432.*Clya abdita* Wunderlich, 2008*b* ..... Pa Baltic amber
433.*Clya lugubris* C. L. Koch & Berendt, 1854* ..... Pa Baltic / Rovno amber
434.*Clya calefacta* Wunderlich, 2008*b* ..... Pa Baltic amber
435.*Clya gracilis* (Petrunkevitch, 1958) ..... Pa Baltic amber
436.*Clya granulata* (C. L. Koch & Berendt, 1854) ..... Pa Baltic amber
437.*Clya obscura* (C. L. Koch & Berendt, 1854) ..... Pa Baltic amber
438.*Clya rotata* Wunderlich, 2008*b* ..... Pa Baltic amber
439.*Clya supercalefacta* Wunderlich, 2008*b* ..... Pa Baltic amber
440.*Clya superspiralis* Wunderlich, 2008*b* ..... Pa Baltic amber
441.*Clya tricurvata* Wunderlich, 2008*b* ..... Pa Baltic amber

† ***Cornutidion* Wunderlich, 1988** ..... **Neogene**
442.*Cornutidion elongatum* Wunderlich, 1988* ..... Ne Dominican amber

***Craspedisia* Simon, 1894** ..... **Neogene – Recent**

443. *Craspedisia yapchoontecki* Penney & Marusik *in* Penney *et al*. (2012*b*) ..... Ne Dominican amber

† ***Cretotheridion* Wunderlich, 2015*b*** ..... **Cretaceous**

444. *Cretotheridion inopinatum* Wunderlich, 2015*b** ..... K Burmese amber

† ***Cymbiopholcomma* Wunderlich, 2008*b*** ..... **Palaeogene**

445. *Cymbiopholcomma dudum* Wunderlich, 2008*b** ..... Pa Baltic amber

446. *Cymbiopholcomma spiculum* Wunderlich, 2008*b* ..... Pa Baltic amber

† ***Dipoenata* Wunderlich, 1988** ..... **Neogene**

447. *Dipoenata altioculata* Wunderlich, 1988 ..... Ne Dominican amber

448. *Dipoenata cala* Wunderlich, 1988 ..... Ne Dominican amber

449. *Dipoenata clypeata* Wunderlich, 1988 ..... Ne Dominican amber

450. *Dipoenata globulus* Wunderlich, 1988 ..... Ne Dominican amber

451. *Dipoenata praedominicana* (Wunderlich, 1986) ..... Qt Dominican copal

452. *Dipoenata stipes* Wunderlich, 1988* ..... Ne Dominican amber

453. *Dipoenata yolandae* Wunderlich, 1988 ..... Ne Dominican amber

*Dipoenata* sp. *in* Wunderlich (1988) ..... Ne Dominican amber

† ***Eoasagena* Wunderlich, 2008*b*** ..... **Palaeogene**

454. *Eoasagena scutata* Wunderlich, 2008*b** ..... Pa Baltic amber

† ***Eolyrifer* Wunderlich, 2008*b*** ..... **Palaeogene**

455. *Eolyrifer longitibialis* Wunderlich, 2008*b** ..... Pa Baltic amber

† ***Eomysmena* Petrunkevitch, 1942** ..... **Palaeogene – Neogene**

= † *Antopia* Menge *in* C. L. Koch & Berendt, 1854 [tentative synonomy]

= † *Astodipoena* Petrunkevitch, 1958

= † *Eodipoena* Petrunkevitch, 1942

456. *Eomysmena asta* Petrunkevitch, 1971 ..... Ne Chiapas amber

457. *Eomysmena aviceps* Wunderlich, 2008*b* ..... Pa Baltic amber

458. *Eomysmena calefacta* Wunderlich, 2008*b* ..... Pa Baltic amber

459. *Eomysmena crassa* (Petrunkevitch, 1958) ..... Pa Baltic amber

460. *Eomysmena baltica* Petrunkevitch, 1946 ..... Pa Baltic amber

461. '*Eomysmena*' *bassleri* (Petrunkevitch, 1942) ..... Pa Baltic amber

462. ?*Eomysmena kaestneri* (Petrunkevitch, 1958) ..... Pa Baltic amber

463. *Eomysmena militaris* (C. L. Koch & Berendt, 1854) ..... Pa Baltic amber

464. *Eomysmena moritura* Petrunkevitch, 1942* ..... Pa Baltic amber

i. = *Eomysmena consulta* (Petrunkevitch, 1958) [tentative synonomy] ..... Pa Baltic amber

465. *Eomysmena nielseni* (Petrunkevitch, 1958) ..... Pa Baltic amber

466. *Eomysmena oculata* (Petrunkevitch, 1942) ..... Pa Baltic amber

467. *Eomysmena punctulata* (C. L. Koch & Berendt, 1854) ..... Pa Baltic amber

468. *Eomysmena recta* Wunderlich, 2008*b* ..... Pa Baltic amber

469. *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**

470. *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]

471. *Episinus anapidaeque* Wunderlich, 2008*b* ..... Pa Baltic amber

472. *Episinus antecognatus* Wunderlich, 1986 ..... Qt Dominican copal

473. *Episinus appendix* Wunderlich, 2008*b* ..... Pa Baltic amber

474. *Episinus arrodens* Wunderlich, 2008*b* ..... Pa Baltic amber

475. *Episinus balticus* Marusik & Penney, 2004 ..... Pa Baltic / Bitt. amber

476. *Episinus brevipalpus* Wunderlich, 1988 ..... Ne Dominican amber

477. *Episinus bulla* Wunderlich, 2008*b* ..... Pa Baltic amber

478. *Episinus chiapasanus* (Petrunkevitch, 1971) ..... Ne Chiapas amber

479. *Episinus clunis* Wunderlich, 2008*b* ..... Pa Baltic amber

480. *Episinus cochlear* Wunderlich, 2008*b* ..... Pa Baltic amber

481. *Episinus cornutus* Wunderlich, 1988 ..... Ne Dominican amber

482. *Episinus cymbialis* Wunderlich, 2008*b* ..... Pa Baltic amber

483. *Episinus dimidius* Wunderlich, 2008*b* ..... Pa Baltic amber

484. *Episinus eskovi* Marusik & Penney, 2004 ..... Pa Baltic amber

485. *Episinus isopteraque* Wunderlich, 2008*b* ..... Pa Baltic amber

486. *Episinus latus* Wunderlich, 2008*b* ..... Pa Baltic amber

487. *Episinus longimanus* (C. L. Koch & Berendt, 1854) ..... Pa Baltic amber

i. = *Malleator niger* Petrunkevitch, 1942 ..... Pa Baltic amber

488. *Episinus longisoma* Wunderlich, 2008*b* ..... Pa Baltic amber

489. *Episinus minutus* (Petrunkevitch, 1958) ..... Pa Baltic amber

490. *Episinus mordellidaeque* Wunderlich, 2008*b* ..... Pa Baltic amber

491. *Episinus musculus* Wunderlich, 2008*b* ..... Pa Baltic amber

492. *Episinus mutilus* (Petrunkevitch, 1958) ..... Pa Baltic amber

493. *Episinus nausticymbium* Wunderlich, 2008*b* ..... Pa Baltic amber

494. *Episinus neglectus* (Petrunkevitch, 1942) ..... Pa Baltic amber

495. *Episinus penneyi* Garcia-Villafuerte, 2006*a* ..... Ne Chiapas amber

496. *Episinus praecognatus* Wunderlich, 1982 ..... Ne Dominican amber

497. *Episinus pulcher* (Petrunkevitch, 1942) ..... Pa Baltic amber

498. *Episinus regalis* (Petrunkevitch, 1958) ..... Pa Baltic amber

499. *Episinus stridulus* (Petrunkevitch, 1958) ..... Pa Baltic amber

500. *Episinus tibiaseta* Wunderlich, 2011*g* ..... Ne Dominican amber

501. *Episinus transversus* Wunderlich, 2008*b* ..... Pa Baltic amber

502. *Episinus tuberosus* Wunderlich, 1988 ..... Ne Dominican amber

*Episinus spp. in* Wunderlich (2008*b*) ..... Pa Baltic amber

***Euryopis* Menge, 1868** ..... **Palaeogene – Recent**

503.?*Euryopis araneoides* Wunderlich, 2008*b* ..... Pa Baltic amber

504.*Euryopis bitterfeldensis* Wunderlich, 2008*b* ..... Pa Baltic / Bitt. amber

505.*Euryopis nexus* Wunderlich, 2008*b* ..... Pa Baltic amber

506.*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**

507.*Euryopus gracilipes* Menge *in* C. L. Koch & Berendt, 1854* ..... Pa Baltic amber

***Faiditus* Keyserling, 1884** ..... **Neogene – Recent**

508.*Faiditus crassipatellaris* (Wunderlich, 1988) ..... Ne Dominican amber

† ***Femurraptor* Wunderlich, 2011*g*** ..... **Neogene**

509.*Femurraptor dominicanus* Wunderlich, 2011*g** ..... Ne Dominican amber

† ***Globulidion* Wunderlich, 2008*b*** ..... **Palaeogene**

510.*Globulidion cochlea* Wunderlich, 2008*b** ..... Pa Baltic amber

† ***Hirsutipalpus* Wunderlich, 2008*b*** ..... **Palaeogene**

511.*Hirsutipalpus varipes* Wunderlich, 2008*b** ..... Pa Baltic / Bitt. Amber

† ***Kochiuridion* Wunderlich, 2008*b*** ..... **Palaeogene**

512.*Kochiuridion scutatum* Wunderlich, 2008*b** ..... Pa Baltic / Bitt. amber

***Lasaeola* Simon, 1881** ..... **Palaeogene – Recent**

= † *Nactodipoena* Petrunkevitch, 1942 [a subgenus *in* Wunderlich (2008*b*)]

513.*Lasaeola acumen* Wunderlich, 2008*b* ..... Pa Baltic amber

514.*Lasaeola baltica* (Marusik & Penney, 2004) ..... Pa Baltic amber

515.*Lasaeola bitterfeldensis* Wunderlich, 2008*b* ..... Pa Bitterfeld amber

516.*Lasaeola communis* Wunderlich, 2008*b* ..... Pa Baltic amber

517.*Lasaeola (Nactodipoena) dunbari* (Petrunkevitch, 1942) ..... Pa Baltic amber

518.?*Lasaeola furca* Wunderlich, 2008*b* ..... Pa Baltic amber

519.*Lasaeola germanica* (Petrunkevitch, 1958) ..... Pa Baltic amber

520.*Lasaeola* (*Phycosoma*) *inclinata* Wunderlich, 2012*a* ..... Qt Madagascan copal

521.*Lasaeola infulata* (C. L. Koch & Berendt, 1854) ..... Pa Baltic / Bitt. Amber

522.*Lasaeola larvaque* Wunderlich, 2008*b* ..... Pa Baltic amber

523.*Lasaeola latisulci* Wunderlich, 2008*b* ..... Pa Baltic amber

524.*Lasaeola pristina* (Wunderlich, 1986) ..... Ne Dominican amber

525.*Lasaeola puta* Wunderlich, 1988 ..... Ne Dominican amber

526.*Lasaeola sexsaetosa* Wunderlich, 2008*b* ..... Pa Baltic amber

527.?*Lasaeola sigillata* Wunderlich, 2008*b* ..... Pa Bitterfeld amber

528.*Lasaeola vicina* (Wunderlich, 1982) ..... Ne Dominican amber

529.*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**

530.*Medela baltica* Petrunkevitch, 1942* ..... Pa Baltic amber

† ***Mimetidion*** **Wunderlich, 2008*b*** ..... **Palaeogene**

531. *Mimetidion furca* Wunderlich, 2008*b** ..... Pa Baltic amber

† ***Nanomysmena*** **Petrunkevitch, 1958** ..... **Palaeogene**

532. *Nanomysmena aculeata* Petrunkevitch, 1958 ..... Pa Baltic amber

533. *Nanomysmena munita* Petrunkevitch, 1958 ..... Pa Baltic amber

534. *Nanomysmena palanga* Marusik & Penney, 2004 ..... Pa Baltic amber

535. *Nanomysmena petrunkevitchi* Marusik & Penney, 2004 ..... Pa Baltic amber

536. *Nanomysmena pseudogracilis* Marusik & Penney, 2004 ..... Pa Baltic amber

† ***Nanosteatoda*** **Wunderlich, 2008*b*** ..... **Palaeogene**

537. *Nanosteatoda breviscutum* Wunderlich, 2008*b* ..... Pa Baltic amber

538. *Nanosteatoda trisetae* Wunderlich, 2008*b* ..... Pa Baltic amber

† ***Obscuropholcomma*** **Wunderlich, 2008*b*** ..... **Palaeogene**

539. *Obscuropholcomma tegens* Wunderlich, 2008*b** ..... Pa Baltic amber

*Obscuropholcomma* sp. *in* Wunderlich (2012*b*) ..... Pa Rovno amber

***Phoroncidia*** **Westwood, 1835** ..... **Quaternary – Recent**

540. *Phoroncidia ?aculeata* Westwood, 1835 **[Recent]** ..... Qt Madagascan copal

***Platnickina*** **Koçak & Kemal, 2008** ..... **Quaternary – Recent**

541. *Platnickina duosetae* Wunderlich, 2012*a* ..... Qt Madagascan copal

† ***Praetereuryopis*** **Wunderlich, 2008*b*** ..... **Palaeogene**

542. *Praetereuryopis phoroncidoides* Wunderlich, 2008*b** ..... Pa Baltic amber

† ***Pronepos*** **Petrunkevitch, 1963** ..... **Neogene**

543. *Pronepos exilis* Petrunkevitch, 1963* ..... Ne Chiapas amber

544. *Pronepos fossilis* Petrunkevitch, 1963 ..... Ne Chiapas amber

† ***Protosteatoda*** **Wunderlich, 2008*b*** ..... **Palaeogene**

545. *Protosteatoda gutta* Wunderlich, 2008*b* ..... Pa Baltic amber

† ***Pseudoteutana*** **Wunderlich, 2008*b*** ..... **Palaeogene**

546. *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**

547. *Rugopholcomma patellaris* Wunderlich, 2008*b** ..... Pa Baltic amber

† ***Spinisinus*** **Wunderlich, 2008*b*** ..... **Palaeogene**

548. *Spinisinus parvioculi* Wunderlich, 2008*b* ..... Pa Baltic amber

549. *Spinisinus splendidus* Wunderlich, 2008*b** ..... Pa Baltic amber

† ***Spinitharinus*** **Wunderlich, 2008*b*** ..... **Palaeogene**

550. *Spinitharinus bulbosus* Wunderlich, 2008*b** ..... Pa Baltic / Bitt. amber

551. *Spinitharinus cheliceratus* Wunderlich, 2008*b* ..... Pa Baltic / Bitt. amber

552. *Spinitharinus coniectens* Wunderlich, 2008*b* ..... Pa Baltic amber

553. *Spinitharinus curvatus* Wunderlich, 2008*b* ..... Pa Baltic amber

554. *Spinitharinus cymbioseta* Wunderlich, 2008*b* ..... Pa Baltic amber

*Spinitharinus* spp. *in* Wunderlich (2008*b*) ..... Pa Baltic amber

***Spintharus* Hentz, 1850** ..... **Neogene – Recent**

555. *Spintharus longisoma* Wunderlich, 1988 ..... Ne Dominican amber

***Steatoda* Sundevall, 1833** ..... **?Palaeogene – Recent**

556. '*Steatoda*' *anticus* (Berland, 1939) ..... Pa Baltic amber

***Stemmops* O. P.-Cambridge, 1894** ..... **Neogene – Recent**

557. *Stemmops incertus* Wunderlich, 1988 ..... Ne Dominican amber

558. *Stemmops prominens* Wunderlich, 1988 ..... Ne Dominican amber

***Styposis* Simon, 1894** ..... **Neogene – Recent**

559. *Styposis pholcoides* Wunderlich, 1988 ..... Ne Dominican amber

† ***Succinobertus* Wunderlich, 2008*b*** ..... **Palaeogene**

560. *Succinobertus adjacens* Wunderlich, 2008*b** ..... Pa Baltic / Bitt. Amber

† ***Succinura* Wunderlich, 2008*b*** ..... **Palaeogene**

561. *Succinura aciesaeta* Wunderlich, 2008*b* ..... Pa Baltic amber

562. *Succinura bellavista* Wunderlich, 2008*b** ..... Pa Baltic amber

563. *Succinura circuita* Wunderlich, 2008*b* ..... Pa Baltic amber

564. *Succinura dubia* Wunderlich, 2008*b* ..... Pa Baltic amber

565. *Succinura fuscoruber* Wunderlich, 2008*b* ..... Pa Baltic amber

566. *Succinura ovalis* Wunderlich, 2008*b* ..... Pa Baltic amber

*Succinura* sp. *in* Wunderlich (2008b) ..... Pa Baltic amber

***Theridion* Walckenaer, 1805** ..... **?Cretaceous – Recent**

567. '*Theridion*' *alutaceum* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

568. *Theridion annulipes* Heer, 1865 ..... Ne Öhningen

569. *Theridion atalus* Chang, 2004 [both generic and familial assignment unreliable!] ..... K Jehol Biota

570. '*Theridion*' *berendti* Marusik & Penney, 2004 ..... Pa Baltic amber

i. = *Theridion globosa* C. L. Koch & Berendt, 1854 [preoccupied]

571. *Theridion bucklandi* Thorell, 1870*a* ..... Pa Aix-en-Provence

572. *Theridion contrarium* Wunderlich, 1988 ..... Ne Dominican amber

573. *Theridion crassipalpum* Berland, 1939 ..... Pa Aix-en-Provence

574. '*Theridion*' *detersum* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

575. *Theridion erectoides* Wunderlich, 1988 ..... Ne Dominican amber

576. *Theridion erectum* Wunderlich, 1988 ..... Ne Dominican amber

577. '*Theridion*' *globosus* (Presl, 1822) ..... Pa Baltic amber

578. *Theridion globulus* Heer, 1865 ..... Ne Öhningen

579. '*Theridion*' *hirtum* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

580. *Theridion inversum* Wunderlich, 1988 ..... Ne Dominican amber

581. *Theridion maculipes* Heer, 1865 ..... Ne Öhningen

582. '*Theridion*' *oblongum* (Presl, 1822) ..... Pa Baltic amber

583. '*Theridion*' *ovale* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

584. '*Theridion*' *ovatum* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

585. '*Theridion*' *simplex* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

586. *Theridion variosoma* Wunderlich, 1988 ..... Ne Dominican amber

587. *Theridion wunderlichi* Penney, 2001 ..... Ne Dominican amber

i. = *Theridion ovale* Wunderlich, 1988 [preoccupied]

† ***Thyelia* C. L. Koch & Berendt, 1854** ..... **Palaeogene**

588. *Thyelia anomala* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

589. *Thyelia convexa* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

590. *Thyelia fossula* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

591. *Thyelia marginata* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

592. *Thyelia pallida* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

593. *Thyelia scotina* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

594. *Thyelia tristis* C. L. Koch & Berendt, 1854* ..... Pa Baltic amber

595. *Thyelia villosa* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

***Ulesanis* L. Koch, 1872** ..... **Palaeogene – Recent**

596. *Ulesanis antecessor* Wunderlich, 2008*b* ..... Pa Baltic Amber

597. *Ulesanis frontprocera* Wunderlich, 2008*b* ..... Pa Baltic Amber

598. *Ulesanis longicymbium* Wunderlich, 2008*b* ..... Pa Baltic Amber

599. *Ulesanis ovalis* Wunderlich, 2008*b* ..... Pa Baltic / Bitt. amber

600. *Ulesanis parva* Wunderlich, 2008*b* ..... Pa Baltic / Bitt. amber

† ***Unispinatoda* Wunderlich, 2008*b*** ..... **Palaeogene**

601. *Unispinatoda aculeata* Wunderlich, 2008*b** ..... Pa Baltic / Bitt. Amber

† ***Vicipholcomma* Wunderlich, 2008*b*** ..... **Palaeogene**

602. *Vicipholcomma spiralis* Wunderlich, 2008*b** ..... Pa Baltic Amber

**Theridiidae *incertae sedis***

603. '*Eomysmena*' *succini* (Petrunkevitch, 1942) ..... Pa Baltic amber

604. *'Anelosimus' clypeatus* Wunderlich, 1988 ..... Ne Dominican amber

**THERIDIOSOMATIDAE Simon, 1881** ..... **Cretaceous – Recent**

Theridiosomatidae gen. et sp. indet *in* Wunderlich (2004*i*) ..... Pa Baltic amber

Theridiosomatidae gen. et sp. indet *in* Wunderlich (2011*f*) ..... Qt Madagascar copal

***Baalzebub* Coddington, 1986** ..... **?Cretaceous – Recent**

605. ?*Baalzebub mesozoicum* Penney, 2014 ..... K Vendée amber

† ***Eocoddingtonia* Selden, 2010** ..... **Cretaceous**

606. *Eocoddingtonia eskovi* Selden, 2010* ..... K Baissa, Transbaikalia

† ***Eoepeirotypus* Wunderlich, 2004*j*** ..... **Palaeogene**

607. *Eoepeirotypus retrobulbus* Wunderlich, 2004*j** ..... Pa Baltic amber

*Eoepeirotypus* sp. *in* Wunderlich (2004) ..... Pa Bitterfeld amber

† ***Eotheridiosoma* Wunderlich, 2004*j*** ..... **Palaeogene**

608. ?*Eotheridiosoma hamatum* Wunderlich, 2011*e* ..... Pa Baltic amber

609. *Eotheridiosoma tuber* Wunderlich, 2004*j** ..... Pa Bitterfeld amber

610. *Eotheridiosoma volutum* Wunderlich, 2004*j* ..... Pa Bitterfeld amber

† ***Leviunguis* Wunderlich, 2012*d*** ..... **Cretaceous**

611. *Leviunguis bruckschi* Wunderlich, 2012*d** ..... K Burmese amber

† ***Palaeoepeirotypus* Wunderlich, 1988** ..... **Neogene**

612. *Palaeoepeirotypus iuvenis* Wunderlich, 1988* ..... Ne Dominican amber

613. *Palaeoepeirotypus iuvenoides* Wunderlich, 1988 ..... Ne Dominican amber

† ***Spinitheridiosoma* Wunderlich, 2004*j*** ..... **Palaeogene**

NB: type species designated from the wrong genus!

614. *Spinitheridiosoma balticum* Wunderlich, 2004*j* ..... Pa Baltic amber

615. *Spinitheridiosoma bispinosum* Wunderlich, 2004*j* ..... Pa Bitterfeld amber

616. *Spinitheridiosoma rima* Wunderlich, 2004*j* ..... Pa Baltic amber

***Theridiosoma* O. P.-Cambridge, 1879*b*** ..... **Neogene – Recent**

617. *Theridiosoma incompletum* Wunderlich, 1988 ..... Ne Dominican amber

† ***Umerosoma* Wunderlich, *2004j*** ..... **Palaeogene**

618. *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**

619. *Balticonopsis bispina* Wunderlich, 2004*k* ..... Pa Baltic amber

620. *Balticonopsis bitterfeldensis* Wunderlich, 2004*k* ..... Pa Bitterfeld amber

621. *Balticonopsis bulbosa* Wunderlich, 2004*k* ..... Pa Baltic amber

622. *Balticonopsis ceranowiczae* Wunderlich, 2004*k* ..... Pa Baltic amber

623. *Balticonopsis holti* Wunderlich, 2004*k** ..... Pa Baltic amber

624. *Balticonopsis perkovskyi* Wunderlich, 2004*ar* ..... Pa Rovno amber

625. *Balticonopsis thomasi* Wunderlich, 2004*k* ..... Pa Baltic amber

*Balticonopsis* sp. *in* Wunderlich (2004*k*) ..... Pa Baltic amber

† ***Dubianapis* Wunderlich, 2004*k*** ..... **Palaeogene**

626. *Dubianapis obscura* Wunderlich, 2004*k** ..... Pa Baltic amber

† ***Flagellanapis* Wunderlich, 2004*k*** ..... **Palaeogene**

627. *Flagellanapis voigti* Wunderlich, 2004*k** ..... Pa Baltic/Bitt. Amber

† ***Fossilanapis* Wunderlich, 2004*k*** ..... **Palaeogene**

628. *Fossilanapis anderseri* Wunderlich, 2004*k* ..... Pa Baltic amber

629. *Fossilanapis baetcheri* Wunderlich, 2004*k** ..... Pa Baltic amber

630. *Fossilanapis eichmanni* Wunderlich, 2004*k* ..... Pa Baltic amber

631. *Fossilanapis flexiotarsus* Wunderlich, 2004*k* ..... Pa Baltic amber

632. *Fossilanapis multispinae* Wunderlich, 2011*h* ..... Pa Baltic amber

633. *Fossilanapis saltans* Wunderlich, 2004*k* ..... Pa Baltic amber

634. *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**

635.*Palaeoanapis nana* Wunderlich, 1988* ..... Ne Dominican amber

† ***Ruganapis*** **Wunderlich, 2004*k*** ..... **Palaeogene**

636.*Ruganapis scutata* Wunderlich, 2004*k** ..... Pa Baltic amber

† ***Saxonanapis*** **Wunderlich, 2004*k*** ..... **Palaeogene**

637.*Saxonanapis grabenhorsti* Wunderlich, 2004*k** ..... Pa Baltic/Bitt. Amber

† ***Tuberanapis*** **Wunderlich, 2004*k*** ..... **Palaeogene**

638.*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*]

639.*Balticoroma damzeni* Wunderlich, 2011*h* ..... Pa Baltic amber

640.*Balticoroma ernstorum* Wunderlich, 2004*k* ..... Pa Baltic/Bitt. amber

641.*Balticoroma gracilipes* Wunderlich 2004*k* ..... Pa Baltic/Bitt. amber

642.*Balticoroma reschi* Wunderlich, 2004*k** ..... Pa Baltic amber

643.*Balticoroma serafinorum* Wunderlich, 2004*k* ..... Pa Baltic/Bitt. amber

644.*Balticoroma tibialis* Wunderlich, 2004*k* ..... Pa Baltic amber

645.*Balticoroma wheateri* Penney & Marusik *in* Penney *et al.* (2011) ..... Pa Baltic amber

**MYSMENIDAE Petrunkevitch, 1928** ..... **Palaeogene – Recent**

Mysmeninae sp. *in* Wunderlich (2004*ar*) ..... Pa Rovno amber

† ***Dominicanopsis*** **Wunderlich, 2004*k*** ..... **Neogene**

646.*Dominicanopsis grimaldii* Wunderlich, 2004*k** ..... Ne Dominican amber

† ***Eomysmenopsis*** **Wunderlich, 2004*k*** ..... **Palaeogene**

647.*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

648.*Mysmena* (s.l.) *copalis* Wunderlich, 2011*f* ..... Qt Madagascan copal

649.*Mysmena curvata* Wunderlich, 2011*h* ..... Pa Baltic amber

650.*Mysmena dominicana* Wunderlich, 1998 ..... Qt Madagascan copal

651.*Mysmena fossilis* Petrunkevitch, 1971 ..... Ne Chiapas amber

652.*Mysmena groehni* Wunderlich, 2004*k* ..... Pa Baltic / Bitt. amber

653.*Mysmena grotae* Wunderlich, 2004*k* ..... Pa Baltic amber

***Mysmenopsis*** **Simon, 1897*b*** ..... **Neogene – Recent**

654.*Mysmenopsis lissycoleyae* Penney, 2000 ..... Ne Dominican amber

† ***Palaeomysmena*** **Wunderlich, 2004*k*** ..... **Palaeogene**

655.*Palaeomysmena hoffeinsorum* Wunderlich, 2004*k** ..... Pa Baltic amber

† **BALTSUCCINIDAE Wunderlich, 2004*l*** ..... **Palaeogene**

† ***Baltsuccinus*** **Wunderlich, 2004*l*** ..... **Palaeogene**

656.*Baltsuccinus flagellaceus* Wunderlich, 2004*l** ..... Pa Baltic amber

657.*Baltsuccinus similis* Wunderlich, 2004*l* ..... Pa Baltic amber

† **PROTHERIDIIDAE Wunderlich, 2004*l*** ..... **Cretaceous – Palaeo.**

† ***Protheridion* Wunderlich, 2004*l*** ..... **Palaeogene**

658.*Protheridion bitterfeldensis* Wunderlich, 2004*l* ..... Pa Bitterfeld amber

659.*Protheridion detritus* Wunderlich, 2004*l* ..... Pa Baltic amber

660.*Protheridion obscurum* Wunderlich, 2004*l* ..... Pa Baltic amber

661.*Protheridion punctatum* Wunderlich, 2004*l* ..... Pa Baltic amber

662.*Protheridion tibialis* Wunderlich, 2004*l** ..... Pa Baltic amber

† ***Zarqaraneus* Wunderlich, 2008*d*** ..... **Cretaceous**

663.*Zarqaraneus hudae* Wunderlich, 2008*d** ..... K Jordanian amber

† **PRAETHERIDIIDAE Wunderlich, 2004*l*** (n. stat. 2012) ..... **Palaeogene**

† ***Praetheridion* Wunderlich, 2004*l*** ..... **Palaeogene**

664.*Praetheridion fleissneri* Wunderlich, 2004*l** ..... Pa Baltic amber

**SYNAPHRIDAE Wunderlich, 1986** ..... **Palaeogene – Recent**

† ***Iardinidis* Wunderlich 2004*k*** ..... **Palaeogene**

665.*Iardinidis brevipes* Wunderlich, 2004*k** ..... Pa Baltic amber

**PIMOIDAE Wunderlich, 1986** ..... **Palaeogene – Recent**

***Pimoa* Chamberlin & Ivie, 1943** ..... **Palaeogene – Recent**

666.*Pimoa expandens* Wunderlich, 2004*r* ..... Pa Baltic amber

667.*Pimoa (Eopimoa) hormigai* Wunderlich, 2004*r* ..... Pa Baltic amber

668.*Pimoa inopinata* Wunderlich, 2004*r* ..... Pa Baltic amber

669.*Pimoa liedtkei* Wunderlich, 2004*r* ..... Pa Baltic amber

670.*Pimoa lingua* Wunderlich, 2004*r* ..... Pa Baltic amber

671.*Pimoa (Eopimoa) longiscapus* Wunderlich, 2008*a* ..... Pa Baltic amber

672.*Pimoa multicuspuli* Wunderlich, 2004*r* ..... Pa Baltic amber

673.*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**

674.*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**

675. *Agynetiphantes gibbiferus* Wunderlich, 2004*s** ..... Pa Baltic amber

***Ceratinopsis*** **Emerton, 1882** ..... **Quaternary – Recent**

676. *Ceratinopsis deformans* (Wunderlich, 1998) ..... Qt Madagascan copal

***Cnephalocotes*** **Simon, 1884*c*** ..... **Quaternary – Recent**

677. *Cnephalocotes obscurus* (Blackwall, 1834*b*) **[Recent]** ..... Qt England

† ***Custodela*** **Petrunkevitch, 1942** ..... **Palaeogene**

= † *Obnisus* Petrunkevitch, 1942 [tenative synonomy]

678. *Custodela acuta* Wunderlich, 2004*s* ..... Pa Baltic amber

679. *Custodela acutula* Wunderlich, 2004*s* ..... Pa Bitterfeld amber

680. *Custodela bispina* Wunderlich, 2004*s* ..... Pa Bitterfeld amber

681. *Custodela bispinosa* Wunderlich, 2004*s* ..... Pa Bitterfeld amber

682. *Custodela cheiracantha* (C. L. Koch & Berendt, 1854)* ..... Pa Baltic amber

683. *Custodela clava* Wunderlich, 2004*s* ..... Pa Baltic amber

684. *Custodela curva* Wunderlich, 2004*s* ..... Pa Baltic amber

685. *Custodela curvata* Wunderlich, 2004*s* ..... Pa Bitterfeld amber

686. *Custodela divergens* Wunderlich, 2004*s* ..... Pa Baltic amber

687. *Custodela expandens* Wunderlich, 2004*s* ..... Pa Baltic amber

688. *Custodela falcata* Wunderlich, 2004*s* ..... Pa Baltic amber

689. *Custodela femurspinosa* Wunderlich, 2004*s* ..... Pa Bitterfeld amber

690. *Custodela henningseni* Wunderlich, 2004*s* ..... Pa Baltic amber

691. *Custodela kochi* Wunderlich, 2004*s* ..... Pa Baltic amber

692. *Custodela lamellata* (Wunderlich, 1988) ..... Pa Baltic amber

693. *Custodela lanx* Wunderlich, 2004*s* ..... Pa Baltic amber

694. *Custodela oblonga* (C. L. Koch & Berendt, 1854) ..... Pa Baltic amber

695. *Custodela obtusa* Wunderlich, 2004*s* ..... Pa Baltic amber

696. ?*Custodela parva* Wunderlich, 2004*s* ..... Pa Bitterfeld amber

697. *Custodela pseudokochi* Wunderlich, 2004*s* ..... Pa Baltic amber

698. *Custodela stridulans* Wunderlich, 2004*s* ..... Pa Bitterfeld amber

699. *Custodela tenuipes* (Petrunkevitch, 1942) ..... Pa Baltic amber

700. *Custodela tibialis* Wunderlich, 2004*s* ..... Pa Baltic amber

*Custodela* sp. *in* Wunderlich (2004*s*) ..... Pa Bitterfeld amber

† ***Custodelela*** **Wunderlich, 2004s** ..... **Palaeogene**

701. *Custodelela hamata* Wunderlich, 2004*s** ..... Pa Bitterfeld amber

† ***Eolabulla*** **Wunderlich, 2004s** ..... **Palaeogene**

702. *Eolabulla falcata* Wunderlich, 2004*s* ..... Pa Baltic amber
703. *Eolabulla gladiformis* Wunderlich, 2004*s* ..... Pa Baltic amber
704. *Eolabulla laminata* Wunderlich, 2004*s** ..... Pa Baltic amber
705. *Eolabulla perforata* Wunderlich, 2004*s* ..... Pa Baltic amber
706. *Eolabulla sagitta* Wunderlich, 2004*s* ..... Pa Baltic amber
707. *Eolabulla similis* Wunderlich, 2004*s* ..... Pa Baltic amber
*Eolabulla* sp. 1–2 *in* Wunderlich (2004*s*) ..... Pa Baltic amber

† ***Eophantes* Wunderlich, 2004s** ..... **Palaeogene**
708. *Eophantes complicatus* Wunderlich, 2004*s** ..... Pa Baltic amber
709. ?*Eophantes seorsum* Wunderlich, 2012*c* ..... Pa Baltic amber

***Erigone* Audouin, 1826** ..... **Neogene – Recent**
710. *Erigone atra* Blackwall, 1833 **[Recent]** ..... Qt England
711. ?*Erigone dechenii* Bertkau, 1878*b* ..... Ne Rott, Germany
*Erigone* sp. *in* Hopkins *et al*. (1976) ..... Qt Alaska

***Floricomus* Crosby & Bishop, 1925** ..... **Neogene – Recent**
712. *Floricomus fossilis* Penney, 2005*c* ..... Ne Dominican amber

***Gonatium* Menge, 1868** ..... **Quaternary – Recent**
713. *Gonatium rubens* (Blackwall, 1833) **[Recent]** ..... Qt England

***Hypselistes* Simon, 1894** ..... **Quaternary – Recent**
714. *Hypselistes jacksoni* (O. P.-Cambridge, 1902) **[Recent]** ..... Qt England

***Linyphia* Latreille, 1804*a*** ..... **Palaeogene – Recent**
715. *Linyphia andraei* Bertkau, 1878*b* ..... Ne Rott, Germany
716. *Linyphia byrami* Cockerell, 1925 ..... Pa Green River
717. *Linyphia florissanti* Petrunkevitch, 1922 ..... Pa Florissant
718. *Linyphia pachygnathoides* Petrunkevitch, 1922 ..... Pa Florissant
719. *Linyphia quievreuxi* Berland, 1939 ..... Pa Aix-en-Provence
720. *Linyphia retensa* Scudder, 1890*a* ..... Pa Florissant
721. *Linyphia rottensis* Bertkau, 1878*b* ..... Ne Rott, Germany
722. *Linyphia seclusa* (Scudder, 1890*a*) ..... Pa Florissant

† ***Madagascarphantes* Wunderlich, 2012*a*** ..... **Quaternary**
723. *Madagascarphantes vomerans* Wunderlich, 2012*a** ..... Qt Madagascan copal

† ***Malepellis* Petrunkevitch, 1971** ..... **Neogene**
724. *Malepellis extincta* Petrunkevitch, 1971* ..... Ne Chiapas amber

***Meioneta* Hull, 1920** ..... **Neogene – Recent**
725. *Meioneta bigibber* (Wunderlich, 1988 ..... Ne Dominican amber
726. *Meioneta fastigata* (Wunderlich, 1988) ..... Ne Dominican amber
727. *Meioneta separata* (Wunderlich, 1988) ..... Ne Dominican amber
*Meioneta* sp. *in* Wunderlich (1988) ..... Ne Dominican amber

***Micryphantes* C. L. Koch, 1833** ..... **Palaeogene**
728. *Micryphantes molybdinus* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber
729. *Micryphantes regularis* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

† ***Mystagogus*** **Petrunkevitch, 1942** …[Wunderlich suggests possibly in Cyatholipidae] **Palaeogene**

730.*Mystagogus dubius* Petrunkevitch, 1958 ..... Pa Baltic amber

731.*Mystagogus glaber* Petrunkevitch, 1942* ..... Pa Baltic amber

† ***Paralabulla*** **Wunderlich, 2004*s*** ..... **Palaeogene**

732.*Paralabulla bitterfeldensis* Wunderlich, 2004*s** ..... Pa Bitterfeld amber

733.?*Paralabulla dubia* Wunderlich, 2004*s* ..... Pa Baltic amber

734.*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**

735.*Pocadicnemis pumila* (Blackwall, 1841) **[Recent]** ..... Qt England

***Savignia*** **Blackwall, 1833** ..... **Quaternary – Recent**

736.*Savignia frontata* Blackwall, 1833 **[Recent]** ..... Qt England

***Selenyphantes*** **Gertsch & Davis, 1946** ..... **Neogene – Recent**

= † *Palaeolinyphia* Wunderlich, 1986

737.*Selenyphantes flagellifera* (Wunderlich, 1986) ..... Ne Dominican amber

† ***Succineta*** **Wunderlich, 2004*s*** ..... **Palaeogene**

738.*Succineta brevispina* Wunderlich, 2004*s* ..... Pa Baltic amber

739.*Succineta discoidalis* Wunderlich, 2004*s** ..... Pa Baltic amber

*Succineta* sp. *in* Wunderlich (2004*s*) ..... Pa Baltic amber

† ***Succiphantes*** **Wunderlich, 2004*s*** ..... **Palaeogene**

740.*Succiphantes tanasevitchi* Wunderlich, 2004*s* ..... Pa Baltic amber

741.*Succiphantes velteni* Wunderlich, 2004*s** ..... Pa Baltic amber

***Toschia*** **Caporiacco, 1949** ..... **Quaternary – Recent**

742.?*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**

743.*Anameta distenda* Wunderlich, 2004*h** ..... Pa Bitterfeld amber

744.*Anameta kuntneri* Wunderlich, 2008*a* ..... Pa Baltic amber

***Azilia*** **Keyserling, 1882** ..... **Neogene – Recent**

745.*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**

746.*Balticgnatha projectens* Wunderlich 2011*h** ..... Pa Baltic amber

† ***Baltleucauge*** **Wunderlich, 2008*a*** ..... **Palaeogene**

747.*Baltleucauge gillespiae* Wunderlich 2008*a** ..... Pa Baltic amber

748.*Baltleucauge propinqua* Wunderlich, 2012*c* ..... Pa Baltic amber

† ***Corneometa*** **Wunderlich, 2004*h*** ..... **Palaeogene**

749. *Corneometa baltica* Wunderlich 2004*h** ..... Pa Baltic amber

750. *Corneometa pilosipes* Wunderlich 2004*h* ..... Pa Baltic amber

***Cyrtognatha* Keyserling, 1882** ..... **Neogene – Recent**

751. *Cyrtognatha weitschati* Wunderlich, 1988 ..... Ne Dominican amber

† ***Eometa* Petrunkevitch, 1958** ..... **Palaeogene**

752. *Eometa calefacta* Wunderlich, 2004*h* ..... Pa Baltic amber

753. *Eometa longipes* Petrunkevitch, 1958 ..... Pa Baltic amber

754. *Eometa occulta* Wunderlich, 2004*h* ..... Pa Baltic amber

755. *Eometa perfecta* Wunderlich, 2004*h* ..... Pa Baltic amber

756. *Eometa samlandica* Petrunkevitch, 1958* ..... Pa Baltic amber

*Eometa* sp. 1–2 *in* Wunderlich (2004*h*) ..... Pa Baltic amber

***Homalometa* Simon, 1897*b*** ..... **Neogene – Recent**

757. *Homalometa fossilis* Wunderlich, 1988 ..... Ne Dominican amber

† ***Huergina* Selden & Penney, 2003** ..... **Cretaceous**

758. *Huergina diazromerali* Selden & Penney, 2003* ..... K Las Hoyas, Spain

† ***Macryphantes* Selden, 1990** ..... **Cretaceous**

NB: Wunderlich (2015*b*) suggested this genus could be a synonym of *Paleouloborus*.

759. *Macryphantes cowdeni* Selden, 1990* ..... K Sierra de Montsech

***Meta* C. L. Koch, 1836** ..... **Palaeogene – Recent**

760. *Meta (Praetermeta) maculosa* Wunderlich, 2008*a* ..... Pa Baltic amber

761. *Meta (Praetermeta) velans* (Wunderlich, 2004*h)* ..... Pa Baltic amber

† ***Palaeometa* Petrunkevitch, 1922** ..... **Palaeogene**

762. *Palaeometa opertanea* (Scudder, 1890*a*)* ..... Pa Florissant

† ***Palaeopachygnatha* Petrunkevitch, 1922** ..... **Palaeogene**

763. *Palaeopachygnatha cockerelli* Petrunkevitch, 1922 ..... Pa Florissant

764. *Palaeopachygnatha scudderi* Petrunkevitch, 1922* ..... Pa Florissant

† ***Priscometa* Petrunkevitch, 1958** ..... **Palaeogene**

765. *Priscometa capta* Wunderlich, 2004*h* ..... Pa Baltic amber

766. *Priscometa minor* Wunderlich, 2004*h* ..... Pa Baltic amber

767. *Priscometa tenuipes* Petrunkevitch, 1958* ..... Pa Baltic amber

† ***Samlandicmeta* Wunderlich, 2012*c*** ..... **Palaeogene**

768. *Samlandicmeta mutila* Wunderlich, 2012*c* ..... Pa Baltic amber

***Tetragnatha* Latreille, 1804*a*** ..... **Palaeogene – Recent**

769. *Tetragnatha parva* (Hong, 1985) ..... Ne Shanwang

770. *Tetragnatha pristina* Schawaller, 1982*c* ..... Ne Dominican amber

771. *Tetragnatha tertiaria* Scudder, 1885 ..... Pa Florissant

**NEPHILIDAE Simon, 1894** ..... **Cretaceous – Recent**

Nephilidae indet. *in* Wunderlich (2012*c*) ..... Pa Baltic amber

† ***Cretaraneus* Selden, 1990** ..... **Cretaceous**

772. *Cretaraneus liaoningensis* Cheng, Meng & Wang *in* Cheng *et al*.,

2008 ..... K Jehol biota

773. *Cretaraneus martensnetoi* Mesquita, 1996 ..... K Crato Formation

774. *Cretaraneus vilaltae* Selden, 1990* ..... K Sierra de Montsech

† ***Eonephila* Wunderlich, 2004*i*** ..... **Palaeogene**

775. *Eonephila bitterfeldensis* Wunderlich, 2004*i* ..... Pa Bitterfeld amber

776. *Eonephila excellens* Wunderlich, 2004*i** ..... Pa Baltic amber

777. *Eonephila longembolus* Wunderlich, 2004*i* ..... Pa Baltic amber

† ***Luxurionephila* Wunderlich, 2004*i*** ..... **Palaeogene**

778. *Luxurionephila spinifera* Wunderlich, 2004*i* ..... Pa Baltic amber

† ***Minutunguis* Wunderlich, 2011*f*** ..... **Quaternary**

779. *Minutunguis silvestris* Wunderlich, 2011*f* *..... Qt Madagascar copal

***Nephila* Leach, 1815** ..... **Cretaceous – Recent**

= † *Geratonephila* Poinar *in* Poinar & Buckley, 2012

780. *Nephila breviembolus* Wunderlich, 1986 ..... Ne Dominican amber

781. *Nephila burmanica* (Poinar *in* Poinar & Buckley, 2012) ..... K Burmese amber

NB: Wunderlich (2015*b*) suggested that this may be a synonym of *N. tenuis*

782. *Nephila dommeli* Wunderlich, 1982 ..... Ne Dominican amber

783. *Nephila furca* Wunderlich, 1986 ..... Ne Dominican amber

784. *Nephila longembolus* Wunderlich, 1986 ..... Ne Dominican amber

785. *Nephila pennatipes* Scudder, 1885 ..... Pa Florissant

786. *Nephila tenuis* Wunderlich, 1986 ..... Ne Dominican amber

*Nephila* sp. *in* Dunlop & Penney (2012) ..... K Crato Formation

† ***Palaeonephila* Wunderlich, 2004*i*** ..... **Palaeogene**

787. *Palaeonephila brevis* Wunderlich, 2004*i* ..... Pa Baltic amber

788. *Palaeonephila curvata* Wunderlich, 2004*i** ..... Pa Baltic amber

789. *Palaeonephila dilitans* Wunderlich, 2004*i* ..... Pa Baltic amber

790. *Palaeonephila fibula* Wunderlich, 2004*i* ..... Pa Baltic amber

791. *Palaeonephila longipes* Wunderlich, 2004*i* ..... Pa Baltic amber

† **JURARANEIDAE Eskov, 1984** ..... **Jurassic**

† ***Jurararaneus* Eskov, 1984** ..... **Jurassic**

792. *Jurararaneus rasnitsyni* Eskov, 1984 ..... J Transbaikalia

NB : Wunderlich (2015*b*) suggested this could be a haplogyne spider

**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**

793.*Anepeira complicata* Wunderlich, 2004*i** ..... Pa Baltic amber

† ***Araneometa* Wunderlich, 1988** ..... **Neogene**

794.*Araneometa excelsa* Wunderlich, 1988 ..... Ne Dominican amber

795.*Araneometa herrlingi* Wunderlich, 1988* ..... Ne Dominican amber

796.*Araneometa spirembolus* Wunderlich, 1988 ..... Ne Dominican amber

*Araneometa* sp. *in* Wunderlich (1988) ..... Ne Dominican amber

***Araneus* Clerck, 1757** ..... **?Cretaceous – Recent**

797.*Araneus absconditus* (Scudder, 1890*a*) ..... Pa Florissant

798.*Araneus aethus* Chang, 2004 [generic assignment unreliable!] ..... K Jehol biota

799.*Araneus beipiaoensis* Chang, 2004 [generic assignment unreliable!] ... K Jehol biota

800.*Araneus carbonaceous* Zhang, Sun & Zhang, 1994 ..... Ne Shanwang

801.*Araneus cinefactus* (Scudder, 1890*a*) ..... Pa Florissant

802.*Araneus defunctus* Petrunkevitch, 1958 ..... Pa Baltic amber

803.*Araneus delitus* (Scudder, 1890*a*) ..... Pa Florissant

804.*Araneus emertoni* (Scudder, 1890*a*) ..... Pa Florissant

805.*Araneus exustus* Petrunkevitch, 1963 ..... Ne Chiapas amber

806.*Araneus kinchloeae* Dunlop & Jekel, 2009 ..... Pa Florissant

i. = *Araneus indistinctus* (Petrunkevitch, 1922) [preoccupied]

807.*Araneus inelegans* Zhang, Sun & Zhang, 1994 ..... Ne Shanwang

808.*Araneus leptopodus* Zhang, Sun & Zhang, 1994 ..... Ne Shanwang

809.*Araneus liaoxiensis* Chang, 2004 [generic assignment unreliable!] ..... K Jehol biota

810.*Araneus longimanus* (Petrunkevitch, 1922) ..... Pa Florissant

811.*Araneus (Calinurus) longipes* Dalman, 1826 ..... Qt Copal

812.*Araneus luianus* Zhang, Sun & Zhang, 1994 ..... Ne Shanwang

813.*Araneus meeki* (Scudder, 1890*a*) ..... Pa Florissant

814.*Araneus molassicus* (Heer, 1865) ..... Ne Öhningen

815.*Araneus nanus* Wunderlich, 1988 ..... Ne Dominican amber

816.*Araneus piceus* Lin, Zhang & Wang, 1989 ..... Ne Shanwang

817.*Araneus reheensis* Chang, 2004 [generic assignment unreliable!] ..... K Jehol biota

818.*Araneus ruidipedalis* Zhang, Sun & Zhang, 1994 ..... Ne Shanwang

819.*Araneus troschelii* (Bertkau, 1878*b*) ..... Ne Rott, Germany

820.*Araneus vulcanalis* (Scudder, 1890*a*) ..... Pa Florissant

?*Araneus* sp. *in* Wunderlich (2012*c*) ..... Pa Baltic amber

***Argiope* Audouin, 1826** ..... **Neogene – Recent**

= † *Magnaranea* Hong, 1985

821.*Argiope furva* (Hong, 1985) ..... Ne Shanwang

† ***Bararaneus* Wunderlich, 2004*i*** ..... **Palaeogene**

822.?*Bararaneus annulatus* Wunderlich, 2004*i* ..... Pa Baltic amber

823.*Bararaneus evolvens* Wunderlich, 2004*i** ..... Pa Baltic amber

† ***Chrysometata*** **Wunderlich, 2004*h*** ..... **Palaeogene**

824. *Chrysometata palaearctica* Wunderlich, 2004*h** ..... Pa Baltic amber

† ***Cyclososoma*** **Petrunkevitch, 1958** ..... **Palaeogene**

825. *Cyclososoma succini* Petrunkevitch, 1958* ..... Pa Baltic amber

***Enacrosoma*** **Mello-Leitão, 1932** ..... **Neogene – Recent**

826. *Enacrosoma verrucosa* (Wunderlich, 1988) ..... Ne Dominican amber

† ***Eoaraneus*** **Wunderlich, 2004*i*** ..... **Palaeogene**

827. *Eoaraneus complexus* Wunderlich, 2004*i** ..... Pa Baltic amber

† ***Eochorizopes*** **Wunderlich, 2008*a*** ..... **Palaeogene**

828. *Eochorizopes szeklinskiae* Wunderlich, 2008*a** ..... Pa Baltic amber

† ***Eozygiella*** **Wunderlich, 2004*h*** ..... **Palaeogene**

829. *Eozygiella compacta* Wunderlich, 2004*h** ..... Pa Baltic amber

† ***Fossilaraneus*** **Wunderlich, 1988** ..... **Neogene**

830. *Fossilaraneus incertus* Wunderlich, 1988* ..... Ne Dominican amber

***Gea*** **C. L. Koch, 1843a** ..... **Palaeogene – Recent**

831. *Gea krantzi* von Heyden, 1859 ..... Ne Rott, Germany

† ***Eustaloides*** **Petrunkevitch, 1842** ..... **Palaeogene**

= † *Graea* Thorell, 1869 [older synonym, but preoccupied]

832. ?*Eustaloides aberrans* (Wunderlich, 2004*h*) ..... Pa Baltic amber

833. *Eustaloides bitterfeldensis* (Wunderlich, 2004*h*) ..... Pa Bitterfeld amber

834. *Eustaloides breviembolus* (Wunderlich, 2004*h*) ..... Pa Baltic amber

835. *Eustaloides brevis* (Wunderlich, 2004*h*) ..... Pa Baltic amber

836. *Eustaloides calceatus* Petrunkevitch, 1950 ..... Pa Baltic amber

837. *Eustaloides epeiroidea* (C. L. Koch & Berendt, 1854) ..... Pa Baltic amber

838. *Eustaloides impudica* (Wunderlich, 2004*h*) ..... Pa Baltic amber

839. *Eustaloides lingula* (Wunderlich, 2004*h*) ..... Pa Baltic amber

840. *Eustaloides magnocoli* (Wunderlich, 2012*c*) ..... Pa Baltic amber

841. *Eustaloides minor* Petrunkevitch, 1950 ..... Pa Baltic amber

842. *Eustaloides setosa* Petrunkevitch, 1942* ..... Pa Baltic amber

843. *Eustaloides succini* Petrunkevitch, 1942 ..... Pa Baltic amber

***Hypognatha*** **Guérin, 1839** ..... **Quaternary – Recent**

844. *Hypognatha testudinaria* (Taczanowski, 1879) **[Recent]** ..... Qt Colombian copal

† ***Meditrina*** **Petrunkevitch, 1942** ..... **Palaeogene**

845. *Meditrina circumvallata* Petrunkevitch, 1942* ..... Pa Baltic amber

† ***Mesozygiella*** **Penney & Ortuño, 2006** ..... **Cretaceous**

846. *Mesozygiella dunlopi* Penney & Ortuño, 2006* ..... K Álava amber

† ***Miraraneus*** **Wunderlich, 2004*i*** ..... **Palaeogene**

847. *Miraraneus peregrinus* Wunderlich, 2004*i** ..... Pa Baltic amber

† ***Mirometa*** **Petrunkevitch, 1963** ..... **Neogene**

848. *Mirometa valdespinosa* Petrunkevitch, 1963 ..... Ne Chiapas amber

***Molinaranea*** **Mello-Leitão, 1940** ..... **Neogene – Recent**

849. *Molinaranea mitnickii* Saupe, Selden & Penney, 2010 ..... Ne Dominican amber

† ***Pycnosinga* Wunderlich, 1988** ..... **Neogene**

850. *Pycnosinga fossilis* Wunderlich, 1988* ..... Ne Dominican amber

† ***Pulchellaranea* Poinar, 2015** ..... **Neogene**

851. *Pulchellaranea pedunculata* Poinar, 2015* ..... Ne Dominican amber

† ***Testudinaroides* Dunlop & Jekel, 2008** ..... **Neogene**

= † *Testudinaria* Zhang, Sun & Zhang, 1994 [preoccupied]

852. *Testudinaroides papposa* (Zhang, Sun & Zhang, 1994) ..... Ne Shanwang

† ***Tethneus* Scudder, 1885** ..... **Palaeogene**

= † *Melanites* Hong, 1985

853. *Tethneus guyoti* Scudder, 1890*a* ..... Pa Florissant

854. *Tethneus hentzi* Scudder, 1885* ..... Pa Florissant

855. *Tethneus obduratus* Scudder, 1890*a* ..... Pa Florissant

856. *Tethneus orbiculatus* (Hong, 1985) ..... Ne Shanwang

857. *Tethneus provectus* Scudder, 1890*a* ..... Pa Florissant

858. *Tethneus robustus* Petrunkevitch, 1922 ..... Pa Florissant

859. *Tethneus twenhofeli* Petrunkevitch, 1922 ..... Pa Florissant

***Zilla* C. L. Koch, 1834** ..... **Palaeogene – Recent**

860. *Zilla gracilis* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

861. *Zilla porrecta* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

862. *Zilla veterana* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

**RETROLATERAL TIBIAL APOPHYSIS CLADE** ..... **Cretaceous – Recent**

?RTA-clade *in* Wunderlich (2008*d*) ..... K Burmese amber

**LYCOSOIDEA Sundevall, 1833** ..... **Cretaceous – Recent**

† ***Korearachne* Selden, Nam, Kim & Kim, 2012** ..... **Cretaceous**

863. *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**

864. *Alopecosa ?pulverulenta* (Clerck, 1757) **[Recent]** ..... Qt England

† ***Dryadia* Zhang, Sun & Zhang, 1994** ..... **Palaeogene**

865. *Dryadia acanthopoda* Zhang, Sun & Zhang, 1994 ..... Ne Shanwang

***Lycosa* Latreille, 1804*a*** ..... **Palaeogene – Recent**

866. *Lycosa florissanti* Petrunkevitch, 1922 ..... Pa Florissant

867. *Lycosa lithographica* Schawaller & Ono, 1979 ..... Ne Randecker Maar

868. *Lycosa malleata* Zhang, Sun & Zhang, 1994 ..... Ne Shanwang

869. *Lycosa miocaena* Schawaller & Ono, 1979 ..... Ne Randecker Maar

870. *Lycosa subterranea* Zhang, Sun & Zhang, 1994 ..... Ne Shanwang

***Pardosa* C. L. Koch, 1847** ..... **Quaternary – Recent**

871. *Pardosa pullata* (Clerck, 1757) **[Recent]** ..... Qt England

*Pardosa* sp. *in* Scott (2003) ..... Qt England

***Pirata* Sundevall, 1833** ..... **Quaternary – Recent**

872. *Pirata* ?*piraticus* (Clerck, 1757) **[Recent]** ..... Qt England

***Trochosa* C. L. Koch, 1847** ..... **Quaternary – Recent**

873. *Trochosa terricola* Thorell, 1856 **[Recent]** ..... Qt England

† **PARATTIDAE Petrunkevitch, 1922** ..... **Palaeogene**

† ***Parattus* Petrunkevitch, 1922** ..... **Palaeogene**

874. *Parattus evocatus* (Scudder, 1890*a*) ..... Pa Florissant

875. *Parattus latitatus* (Scudder, 1890*a*) ..... Pa Florissant

876. *Parattus oculatus* Petrunkevitch, 1922 ..... Pa Florissant

877. *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**

878. *Eotrechalea annulata* Wunderlich, 2004*aa** ..... Pa Baltic amber

† ***Esuritor* Petrunkevitch, 1942** ..... **Palaeogene**

879. *Esuritor aculeatus* Petrunkevitch, 1958 ..... Pa Baltic amber

880. *Esuritor spinipes* Petrunkevitch, 1942* ..... Pa Baltic amber

† ***Linoptes* Menge in C. L. Koch & Berendt, 1854** ..... **Palaeogene**

881. ?'*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**

882. *Dolomedes fimbriatus* (Clerck, 1757) **[Recent]** ..... Qt England

† '***Linoptes***' **Menge *in* C. L. Koch & Berendt, 1854** ..... **Palaeogene**

= † *Eopisaurella* Petrunkevitch, 1958

NB: See notes on *Linoptes* under Trechaleidae above!

883.?*'Linoptes' valdespinosa* (Petrunkevitch, 1958)* ..... Pa Baltic amber

?*'Linoptes'* sp. 1–8 *in* Wunderlich (2004*z*) ..... Pa Baltic amber

**† *Palaeoperenethis* Selden & Penney, 2009** ..... **Palaeogene**

884.*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**

885.*Oxyopes defectus* Wunderlich, 1988 ..... Ne Dominican amber

886.'*Oxyopes*' *succini* Petrunkevitch, 1958 ..... Pa Baltic amber

*Oxyopes* sp. *in* Wunderlich (1988, 2004*ab*) ..... Ne Dominican amber

† ***Planoxyopes* Petrunkevitch, 1963** ..... **Neogene**

887.*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**

888.*Eomatachia barbarus* Wunderlich, 2004*x* ..... Pa Baltic amber

889.*Eomatachia bipartita* Wunderlich, 2004*x* ..... Pa Baltic amber

890.*Eomatachia divergens* Wunderlich, 2004*x* ..... Pa Baltic amber

891.*Eomatachia duplex* Wunderlich, 2004*x* ..... Pa Baltic amber

892.*Eomatachia latifrons* Petrunkevitch, 1942* ..... Pa Baltic amber

893.*Eomatachia recedens* Wunderlich, 2004*x* ..... Pa Baltic amber

894.*Eomatachia succini* (Petrunkevitch, 1942) ..... Pa Baltic amber

895.*Eomatachia wegneri* Wunderlich, 2004*x* ..... Pa Baltic amber

896.*Eomatachia xanthippe* Wunderlich, 2004*x* ..... Pa Baltic amber

† ***Eoprychia*** **Petrunkevitch, 1958** ..... **Palaeogene**

897. *Eoprychia succini* Petrunkevitch, 1958* ..... Pa Baltic amber

898. *Eoprychia succinopsis* Wunderlich, 2004*x* ..... Pa Baltic amber

899. *Eoprychia vicina* Wunderlich, 2004*x* ..... Pa Baltic amber

*Eoprychia* sp. *in* Wunderlich (2004*x*) ..... ?Pa not specified

† ***Succiniropsis*** **Wunderlich, 2004x** ..... **Palaeogene**

900. *Succiniropsis kutscheri* Wunderlich, 2004*x** ..... Pa Baltic / Bitt. Amber

901. *Succiniropsis runcinata* Wunderlich, 2012*c* ..... Pa Baltic amber

902. *Succiniropsis samlandica* Wunderlich, 2004*x* ..... Pa Baltic amber

† **INSECUTORIDAE Petrunkevitch, 1942** ..... **Palaeogene**

† ***Insecutor*** **Petrunkevitch, 1942** ..... **Palaeogene**

903. *Insecutor aculeatus* Petrunkevitch, 1942* ..... Pa Baltic amber

904. *Insecutor mandibulatus* Petrunkevitch, 1942 ..... Pa Baltic amber

905. ?*Insecutor pecten* Wunderlich, 2004*y* ..... Pa Baltic amber

906. *Insecutor rufus* Petrunkevitch, 1942 ..... Pa Baltic amber

907. ?*Insecutor spinifer* Wunderlich, 2004*y* ..... Pa Baltic amber

?*Insecutor* sp. *in* Wunderlich (2004*y*) ..... Pa Baltic amber

† **SUCCINOMIDAE Wunderlich, 2012*c*** ..... **Palaeogene**

† ***Eohalinobius*** **Wunderlich, 2008*c*** ..... **Palaeogene**

908. *Eohalinobius calefactus* Wunderlich, 2012*c* ..... Pa Baltic amber

909. *Eohalinobius hiddenseeensis* Wunderlich, 2012*c* ..... Pa Baltic amber

910. *Eohalinobius patina* Wunderlich, 2012*c* ..... Pa Baltic amber

911. *Eohalinobius scutatus* Wunderlich, 2008*c* ..... Pa Baltic amber

† ***Succinomus*** **Wunderlich, 2008*c*** ..... **Palaeogene**

912. *Succinomus duomammillae* Wunderlich, 2008*c* ..... Pa Baltic amber

913. *?Succinomus gibbosus* Wunderlich, 2012*c* ..... Pa Baltic amber

**CTENIDAE Keyserling, 1877** ..... **Neogene – Recent**

= ACANTHOCTENIDAE Simon, 1892*b*

† ***Nanoctenus*** **Wunderlich, 1988** ..... **Neogene**

914. *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**

915. *Agelena tabida* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

***Histopona*** **Thorell, 1869** ..... **Palaeogene – Recent**

916. ?*Histopona anthracina* Bertkau, 1878*b* ..... Ne Rott, Germany

† ***Inceptor*** **Petrunkevitch, 1942** ..... **Palaeogene**

917. *Inceptor aculeatus* Petrunkevitch, 1942* ..... Pa Baltic amber

918. *Inceptor dubius* Petrunkevitch, 1946 ..... Pa Baltic amber

***Tegenaria* Latreille, 1804a** ..... **Palaeogene – Recent**

919. ?*Tegenaria fragmentum* Wunderlich, 2004*w* ..... Pa Baltic amber

920. *Tegenaria lacazei* Gourret, 1887 ..... Pa Aix-en-Provence

921. ?*Tegenaria obtusa* Wunderlich, 2004*w* ..... Pa Baltic amber

922. *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**

923. *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**

924. *Argyroneta aquatica* (Clerck, 1757) **[Recent]** ..... Qt England

925. ?*Argyroneta longipes* Heer, 1865 ..... Ne Öhningen

† ***Vectaraneus* Selden, 2001** ..... **Palaeogene**

926. *Vectaraneus yulei* Selden, 2001* ..... Pa Bembridge Marls

**DESIDAE Pocock, 1895** ..... **Palaeogene – Recent**

***Myro* O. P.-Cambridge, 1876** ..... **Palaeogene – Recent**

927. *Myro extinctus* Petrunkevitch, 1958 ...[possibly belongs in Dictynidae]. Pa Baltic amber

928. *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**

929. *Cymbiohahnia parens* Wunderlich, 2004*v* ..... Pa Baltic, Bitterfeld & Rovno amber

† ***Eohahnia* Petrunkevitch, 1958** ..... **Palaeogene**

930. *Eohahnia succini* Petrunkevitch, 1958* ..... Pa Baltic amber

† ***Protohahnia* Wunderlich, 2004v** ..... **Palaeogene**

931. *Protohahnia antiqua* Wunderlich, 2004*v** ..... Pa Baltic amber

932. *Protohahnia tripartita* Wunderlich, 2004*v* ..... Pa Baltic amber

**genus uncertain**

933.‘*Tegenaria*’ *obscura* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

**DICTYNIDAE O. P.-Cambridge, 1871** ..... **Cretaceous – Recent**

= RHIOIDAE Thorell, 1873

= † ARTHRODICTYNIDAE Petrunkevitch, 1942

Dictynidae gen. et sp. indet *in* Penney (2002) ..... K New Jersey amber

Dictynidae sp. 1–2 *in* Wunderlich (2004v) ..... Pa Baltic amber

Dictynidae sp. 1–5 *in* Wunderlich (2008*d*) ..... K Burmese amber

Dictyninae indet *in* Wunderlich (2012*b*) ..... Pa Rovno amber

***Argenna* Thorell, 1870a** ..... **Neogene – Recent**

934.*Argenna fossilis* Petrunkevitch *in* Palmer, 1957 ..... Ne Mojave Desert

† ***Arthrodictyna* Petrunkevitch, 1942** ..... **Palaeogene**

935.*Arthrodictyna segmentata* Petrunkevitch, 1942* ..... Pa Baltic amber

† ***Balticocryphoeca* Wunderlich, 2004v** ..... **Palaeogene**

936.*Balticocryphoeca curvitarsis* Wunderlich, 2004*v** ..... Pa Baltic / Bitt. amber

† ***Brommellina* Wunderlich, 2004v** ..... **Palaeogene**

937.*Brommellina longungulae* Wunderlich, 2004*v** ..... Pa Baltic amber

† ***Chelicirrum* Wunderlich, 2004*v*** ..... **Palaeogene**

938.*Chelicirrum stridulans* Wunderlich, 2004*v** ..... Pa Baltic amber

† ***Cryphoezaga* Wunderlich, 2004*v*** ..... **Palaeogene**

939.*Cryphoezaga dubia* Wunderlich, 2004*v** ..... Pa Baltic amber

***Dictyna* Sundevall, 1833** ..... **Quaternary – Recent**

940.*Dictyna rufa* Wunderlich, 2012*a* ..... Qt Madagascan copal

† ***Eobrommella* Wunderlich, 2004*v*** ..... **Palaeogene**

941.*Eobrommella scutata* Wunderlich, 2004*v** ..... Pa Baltic amber

† ***Eocryphoeca* Petrunkevitch, 1946** ..... **Palaeogene**

942.*Eocryphoeca bitterfeldensis* Wunderlich, 2004*v* ..... Pa Bitterfeld amber

943.*Eocryphoeca electrina* Wunderlich, 2004*v* ..... Pa Baltic amber

944.*Eocryphoeca falcata* Wunderlich, 2004*v* ..... Pa Baltic amber

945.*Eocryphoeca gibbifera* Wunderlich, 2004*v* ..... Pa Baltic amber

946.*Eocryphoeca gracilipes* (C. L. Koch & Berendt, 1854)* ..... Pa Baltic amber

947.*Eocryphoeca ligula* Wunderlich, 2004*v* ..... Pa Baltic amber

948.*Eocryphoeca mammilla* Wunderlich, 2004*v* ..... Pa Baltic amber

949.*Eocryphoeca splendens* Wunderlich, 2004*v* ..... Pa Baltic amber

*Eocryphoeca* sp. *in* Wunderlich (2004*v*) ..... Pa Baltic amber

† ***Eocryphoecara* Wunderlich, 2004*v*** ..... **Palaeogene**

950.*Eocryphoecara abicera* Wunderlich, 2004*v** ..... Pa Baltic amber

† ***Eodictyna* Wunderlich, 2004*v*** ..... **Palaeogene**

951.*Eodictyna communis* Wunderlich, 2004*v** ..... Pa Baltic amber

† ***Eolathys* Petrunkevitch, 1950** ..... **Palaeogene**

952.*Eolathys debilis* Petrunkevitch, 1950 ..... Pa Baltic amber

953.*Eolathys succini* Petrunkevitch, 1950* ..... Pa Baltic amber

† ***Flagelldictyna* Wunderlich, 2012*a*** ..... **Quaternary**

954.*Flagelldictyna copalis* Wunderlich, 2012*a** ..... Qt Madagascar copal

† ***Gibbermastigusa* Wunderlich, 2004*v*** ..... **Palaeogene**

955.*Gibbermastigusa lateralis* Wunderlich, 2004*v** ..... Pa Baltic amber

† ***Hispaniolyna* Wunderlich, 1988** ..... **Neogene**

956.*Hispaniolyna hirsuta* Wunderlich, 1988 ..... Ne Dominican amber

957.*Hispaniolyna magna* Wunderlich, 1988* ..... Ne Dominican amber

† ***Mastigusa* Menge *in* C. L. Koch & Berendt, 1854** ..... **Palaeogene**

= † *Eotetrilus* Wunderlich, 1982 [*nomen nudum*]

958.*Mastigusa acuminata* Menge *in* C. L. Koch & Berendt, 1854* ..... Pa Baltic amber

959.*Mastigusa arcuata* Wunderlich, 2004*v* ..... Pa Baltic amber

960.*Mastigusa bitterfeldensis* Wunderlich, 2004*v* ..... Pa Bitterfeld amber

961.*Mastigusa laticymbium* Wunderlich, 2004*v* ..... Pa Baltic amber

962.*Mastigusa magnibulbus* Wunderlich, 2004*v* ..... Pa Bitterfeld amber

963.*Mastigusa media* Wunderlich, 1986 ..... Pa Baltic amber

964.*Mastigusa modesta* Wunderlich, 1986 ..... Pa Baltic amber

965.*Mastigusa scutata* Wunderlich, 2004*v* ..... Pa Baltic amber

*Mastigusa* sp. *in* Wunderlich (2004*v*) ..... Pa Baltic amber

† ***Mizagalla* Wunderlich, 2004*v*** ..... **Palaeogene**

966.*Mizagalla quattuor* Wunderlich, 2004*v** ..... Pa Baltic amber

967.*Mizagalla tuberculata* Wunderlich, 2004*v* ..... Pa Baltic amber

† ***Palaeodictyna* Wunderlich, 1988** ..... **Neogene**

968.*Palaeodictyna intermedia* Wunderlich, 1988 ..... Ne Dominican amber

969.*Palaeodictyna longispina* Wunderlich, 1988 ..... Ne Dominican amber

970.*Palaeodictyna singularis* Wunderlich, 1988 ..... Ne Dominican amber

971.*Palaeodictyna spiculum* Wunderlich, 1988 ..... Ne Dominican amber

972.*Palaeodictyna termitophila* Wunderlich, 1988* ..... Ne Dominican amber

973.*Palaeodictyna unispina* Wunderlich, 1988 ..... Ne Dominican amber

† ***Palaeolathys* Wunderlich, 1986** ..... **Neogene**

974.*Palaeolathys circumductus* Wunderlich, 1988 ..... Ne Dominican amber

975.*Palaeolathys copalis* Wunderlich, 1986 ..... Qt Dominican copal

976.*Palaeolathys quadruplex* Wunderlich, 1988 ..... Ne Dominican amber

977.*Palaeolathys similis* Wunderlich, 1988 ..... Ne Dominican amber

978.*Palaeolathys spinosa* Wunderlich, 1986* ..... Ne Dominican amber

*Palaeolathys* sp. *in* Wunderlich (1988) ..... Ne Dominican amber

† ***Protomastigusa* Wunderlich, 2004*v*** ..... **Palaeogene**

979.*Protomastigusa composita* Wunderlich, 2004*v* ..... Pa Baltic amber

† ***Scopulyna* Wunderlich, 2004*v*** ..... **Palaeogene**

980.*Scopulyna cursor* Wunderlich, 2004*v* ..... Pa Baltic amber

† ***Succinya* Wunderlich, 1988** ..... **Neogene**

981. *Succinya longembolus* Wunderlich, 1988 ..... Ne Dominican amber

982. *Succinya pulcher* Wunderlich, 1988* ..... Ne Dominican amber

983. *Succinya spinipalpus* Wunderlich, 1988 ..... Ne Dominican amber

***Thallumetus* Simon, 1892*b*** ..... **Subrecent – Recent**

984. *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*)

985. *Copaldictyna madagascariensis* Wunderlich, 2004*v** ..... Qt Madagascan copal

**NICODAMIDAE Simon, 1898** ..... **Recent**

= MEGADICTYNIDAE Lehtinen, 1967

no fossil record

**TENGELLIDAE Dahl, 1908** ..... **Recent**

no fossil record

**EUTICHURIDAE Lehtinen, 1967** ..... **Recent**

= CHEIRACANTHIDAE Wagner, 1887

***Strotarchus* Simon, 1888** ..... **Neogene – Recent**

= † *Mimeutychurus* Petrunkevitch, 1963 [tentative synonomy]

986. *Strotarchus heidti* Wunderlich, 1988 ..... Ne Dominican amber

987. *Strotarchus paradoxus* (Petrunkevitch, 1963) ..... Ne Chiapas amber

**MITURGIDAE Simon, 1885*a*** ..... **Palaeogene – Recent**

= ZORIDAE F.O.P.-Cambridge, 1893

† ***Zorapostenus* Wunderlich, 2008*c*** ..... **Palaeogene**

988. *Zorapostenus raveni* Wunderlich, 2008*c* ..... Pa Baltic amber

**ANYPHAENIDAE Bertkau, 1878a** ..... **Palaeogene – Recent**

= AMAUROBIOIDIDAE Hickman, 1949

***Anyphaena* Sundevall, 1833** ..... **Palaeogene – Recent**

989. '*Anyphaena*' *fuscata* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

***Anyphaenoides* Berland, 1913** ..... **Neogene – Recent**

990.*Anyphaenoides bulla* (Wunderlich, 1988) ..... Ne Dominican amber

***Lupettiana* Brescovit, 1997** ..... **Neogene – Recent**

991.*Lupettiana ligula* (Wunderlich, 1988) ..... Ne Dominican amber

***Wulfila* O. P.-Cambridge, 1895** ..... **Neogene – Recent**

992.*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**

993.*Apostenus arnoldorum* Wunderlich, 2004*ag* ..... Pa Baltic amber

994.*Apostenus bigibber* Wunderlich, 2004*ag* ..... Pa Baltic / Bitt. amber

995.*Apostenus spinimanus* (C. L. Koch & Berendt, 1854) ..... Pa Baltic amber

***Donuea* Strand, 1932** ..... **Quaternary – Recent**

996.*Donuea collustrata* Bosselaers & Dierick, 2010 **[Recent]** ..... Qt – R Madagascar

† ***Palaeospinisoma* Wunderlich, 2004*ag*** ..... **Palaeogene**

997.*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**

998.*Concursator nudipes* Petrunkevitch, 1958* ..... Pa Baltic amber

† ***Systariella* Wunderlich, 2004*af*** ..... **Palaeogene**

999.*Systariella magnioculi* Wunderlich, 2004*af** ..... Pa Baltic amber

**CLUBIONIDAE Simon, 1895** ..... **Palaeogene – Recent**

Clubionidae gen. et sp. *in* Nishikawa (1974) ..... Qt Mizunami copal

***Clubiona* Latreille, 1804*a*** ..... **Palaeogene – Recent**

1000. *Clubiona arcana* Scudder, 1890*a* ..... Pa Florissant

1001. *Clubiona attenuata* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

1002. *Clubiona curvispinosa* Petrunkevitch, 1922 ..... Pa Florissant

1003. *Clubiona florissanti* Petrunkevitch, 1922 ..... Pa Florissant

1004. *Clubiona lanata* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

1005. *Clubiona microphthalma* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

1006. *Clubiona pubescens* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

1007. *Clubiona sericea* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

1008. *Clubiona tomentosa* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

† ***Desultor* Petrunkevitch, 1942** ..... **Palaeogene**

1009. *Desultor depressus* Petrunkevitch, 1942 ..... Pa Baltic amber

***Elaver* O. P.-Cambridge, 1898** ..... **Neogene – Recent**

1010. *Elaver nutua* (Wunderlich, 1988) ..... Ne Dominican amber

† ***Eobumbatrix* Petrunkevitch, 1922** ..... **Palaeogene**

1011. *Eobumbatrix latebrosa* (Scudder, 1890*a*)* ..... Pa Florissant

† ***Eodoter* Petrunkevitch, 1958** ..... **Palaeogene**

1012. *Eodoter eopala* Wunderlich, 2004*af* ..... Pa Baltic amber

1013. *Eodoter lonimammillae* Wunderlich, 2012*c* ..... Pa Baltic amber

1014. *Eodoter magnificus* Petrunkevitch, 1958* ..... Pa Baltic amber

1015. *Eodoter scutatus* Wunderlich, 2011*d* ..... Pa Baltic amber

1016. *?Eodoter tibialis* Wunderlich, 2011*d* ..... Pa Baltic amber

† ***Eostentatrix* Petrunkevitch, 1922** ..... **Palaeogene**

1017. *Eostentatrix cockerelli* Petrunkevitch, 1922 ..... Pa Florissant

1018. *Eostentatrix ostentata* (Scudder, 1890*a*)* ..... Pa Florissant

† ***Eoversatrix* Petrunkevitch, 1922** ..... **Palaeogene**

1019. *Eoversatrix eversa* (Scudder, 1890*a*)* ..... Pa Florissant

† ***Machilla* Petrunkevitch, 1958** [family uncertain] ..... **Palaeogene**

1020. *Machilla setosa* Petrunkevitch, 1958* ..... Pa Baltic amber

† ***Massula* Petrunkevitch, 1942** [family uncertain] ..... **Palaeogene**

1021. *Massula klebsi* Petrunkevitch, 1942* ..... Pa Baltic amber

† ***Prosocer* Petrunkevitch, 1963** ..... **Neogene**

1022. *Prosocer mollis* Petrunkevitch, 1963* ..... Ne Chiapas amber

**Clubionidae *incertae sedis***

† ***Chiapasona* Petrunkevitch, 1963** ..... **Neogene**

1023. *Chiapasona defuncta* Petrunkevitch, 1963* ..... Ne Chiapas amber

**CORINNIDAE Karsch, 1880*a*** ..... **Palaeogene – Recent**

= MYRMECIIDAE C. L. Koch, 1851 [name already used for ants]

NB: Extinct genera were not considered in the otherwise comprehensive revision of Ramírez (2014), some fossil corinnids may now belong in other families.

† ***Ablator* Petrunkevitch, 1942** ..... **Palaeogene**

= † *Abliguritor* Petrunkevitch, 1942

1024. *Ablator biguttatus* Wunderlich, 2004*ah* ..... Pa Baltic amber

1025. *Ablator curvatus* Wunderlich, 2004*ah* ..... Pa Baltic amber

1026. *Ablator deminuens* Wunderlich, 2004*ah* ..... Pa Baltic amber

1027. *Ablator depressus* Wunderlich, 2004*ah* ..... Pa Baltic amber

1028. *Ablator duomammillae* Wunderlich, 2004*ah* ..... Pa Baltic amber

1029. *Ablator felix* (Petrunkevitch, 1958) ..... Pa Baltic amber

1030. *Ablator inevolvens* Wunderlich, 2004*ah* ..... Pa Baltic amber

1031. *Ablator longus* Wunderlich, 2004*ah* ..... Pa Baltic amber

1032. *Ablator nonguttatus* Wunderlich, 2004*ah* ..... Pa Baltic amber

1033. *Ablator parvus* Wunderlich, 2004*ah* ..... Pa Baltic amber

1034. *Ablator plumosus* (Petrunkevitch, 1950) ..... Pa Baltic amber
1035. *Ablator robustus* Wunderlich, 2004*ah* ..... Pa Baltic amber
1036. *Ablator scutatus* Wunderlich, 2004*ah* ..... Pa Baltic amber
1037. *Ablator splendens* Wunderlich, 2004*ah* ..... Pa Baltic amber
1038. *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**
1039. *Alterphrurolithus longipes* Wunderlich, 2004*ah* ..... Pa Baltic amber

***Castianeira* Keyserling, 1880*b*** ..... **Neogene – Recent**
1040. *Castianeira tenebricosa* Wunderlich, 1988 ..... Ne Dominican amber

† ***Chemmisomma* Wunderlich, 1988** ..... **Neogene**
1041. *Chemmisomma dubia* Wunderlich, 1988* ..... Ne Dominican amber

***Corinna* C. L. Koch, 1842*a*** ..... **Neogene – Recent**
1042. *Corinna flagelliformis* Wunderlich, 1988 ..... Ne Dominican amber

† ***Cornucymbium* Wunderlich, 2004*ah*** ..... **Palaeogene**
1043. *Cornucymbium insolens* Wunderlich, 2004*ah** ..... Pa Baltic amber

† ***Cryptoplanus* Petrunkevitch, 1958** ..... **Palaeogene**
1044. *Cryptoplanus bulbosus* Wunderlich, 2004*ah* ..... Pa Baltic amber
1045. *Cryptoplanus complicatus* Wunderlich, 2004*ah* ..... Pa Baltic amber
1046. *Cryptoplanus incidens* Wunderlich, 2004*ah* ..... Pa Baltic amber
1047. *Cryptoplanus lanatus* (Petrunkevitch, 1958) ..... Pa Baltic amber
1048. *Cryptoplanus paradoxus* Petrunkevitch, 1958* ..... Pa Baltic amber
1049. *Cryptoplanus sericatus* (C. L. Koch & Berendt, 1854) ..... Pa Baltic amber
1050. *Cryptoplanus sinuosus* Wunderlich, 2004*ah* ..... Pa Baltic amber
*Cryptoplanus* sp. *in* Wunderlich (2004*ah*) ..... Pa Baltic amber

† ***Eomazax* Petrunkevitch, 1958** ..... **Palaeogene**
1051. *Eomazax pulcher* Petrunkevitch, 1958* ..... Pa Baltic amber

***Megalostrata* Karsch, 1880*a*** ..... **Neogene – Recent**
1052. *Megalostrata grandis* Wunderlich, 1988 ..... Ne Dominican amber

† ***Myrmecorinna* Wunderlich, 2004*ah*** ..... **Palaeogene**
1053. *Myrmecorinna gracilis* Wunderlich, 2004*ah** ..... Pa Baltic amber

† ***Palpiraptor* Wunderlich, 2011*f*** ..... **Quaternary**
1054. *Palpiraptor myrmarachnoides* Wunderlich, 2011*f** ..... Qt Madagascar copal

† ***Protoorthobula* Wunderlich, 2004*ah*** ..... **Palaeogene**
1055. *Protoorthobula bifida* Wunderlich, 2004*ah** ..... Pa Baltic amber
1056. *Protoorthobula deelemani* Wunderlich, 2004*ah* ..... Pa Baltic / Bitt. Amber

**TRACHELIDAE Simon,1897** ..... **Neogene – Recent**

***Trachelas* L. Koch, 1872** ..... **Neogene**

1057. *Trachelas poinari* Penney, 2001 ..... Ne Dominican amber

**PHRUROLITHIDAE Banks, 1892** ..... **Palaeogene – Recent**

***Phrurolithus* C. L. Koch, 1839*b*** ..... **Palaeogene – Recent**

1058. *Phrurolithus extinctus* Petrunkevitch, 1958 ..... Pa Baltic amber

1059. *Phrurolithus fossilis* Petrunkevitch, 1958 ..... Pa Baltic amber

1060. *Phrurolithus ipseni* Petrunkevitch, 1958 ..... Pa Baltic amber

**ZODARIIDAE Thorell, 1881** ..... **Palaeogene – Recent**

= CRYPTOTHELIDAE L. Koch, 1872 [younger name protected by useage]

= † ADJUTORIDAE Petrunkevitch, 1942

Zodariidae gen. et sp. indet 1–4 *in* Wunderlich (2004*ae*) ..... Pa Baltic amber

† ***Adjutor* Petrunkevitch, 1942** ..... **Palaeogene**

1061. *Adjutor deformis* Petrunkevitch, 1958 ..... Pa Baltic amber

1062. *Adjutor mirabilis* Petrunkevitch, 1942* ..... Pa Baltic amber

† ***Admissor* Petrunkevitch, 1942** ..... **Palaeogene**

1063. *Admissor aculeatus* Petrunkevitch, 1942* ..... Pa Baltic amber

† ***Adorator* Petrunkevitch, 1942** ..... **Palaeogene**

1064. *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

1065. *Adorator samlandicus* Petrunkevitch, 1942 ..... Pa Baltic amber

† ***Angusdarion* Wunderlich, 2004*ae*** ..... **Palaeogene**

1066. *Angusdarion humilis* Wunderlich, 2004*ae** ..... Pa Baltic amber

† ***Anniculus* Petrunkevitch, 1942** ..... **Palaeogene**

1067. *Anniculus balticus* Petrunkevitch, 1942* ..... Pa Baltic amber

† ***Eocydrele* Petrunkevitch, 1958** ..... **Palaeogene**

1068. *Eocydrele mortua* Petrunkevitch, 1958* ..... Pa Baltic amber

† ***Propago* Petrunkevitch, 1963** ..... **Neogene**

1069. *Propago debilis* Petrunkevitch, 1963* ..... Ne Chiapas amber

† ***Spinizodarion* Wunderlich, 2004*ae*** ..... **Palaeogene**

1070. *Spinizodarion ananulum* Wunderlich, 2004*ae** ..... Pa Baltic amber

† ***Zodariodamus* Wunderlich 2004*ae*** ..... **Palaeogene**

1071. *Zodariodamus recurvatus* Wunderlich 2004*ae** ..... Pa Baltic amber

**PENESTOMIDAE Simon, 1903** ..... **Recent**

no fossil record

† **EPHALMATORIDAE Petrunkevitch, 1950** ..... **Palaeogene**

† ***Ephalmator*** **Petrunkevitch, 1950** ..... **Palaeogene**

1072. *Ephalmator bitterfeldensis* Wunderlich, 2004*ad* ..... Pa Bitterfeld amber
1073. *Ephalmator calidus* Wunderlich, 2004*ad* ..... Pa Baltic amber
1074. *Ephalmator debilis* Wunderlich, 2004*ad* ..... Pa Baltic amber
1075. *Ephalmator distinctus* Wunderlich, 2004*ad* ..... Pa Baltic amber
1076. *Ephalmator ellwangeri* Wunderlich, 2004*ad* ..... Pa Baltic amber
1077. ?*Ephalmator eximius* Petrunkevitch, 1958 ..... Pa Baltic amber
1078. *Ephalmator fossilis* Petrunkevitch, 1950* ..... Pa Baltic amber
1079. *Ephalmator kerneggeri* Wunderlich, 2004*ad* ..... Pa Baltic amber
1080. *Ephalmator petrunkevitchi* Wunderlich, 2004*ad* ..... Pa Baltic amber
1081. *Ephalmator ruthildae* Wunderlich, 2004*ad* ..... Pa Baltic amber
1082. *Ephalmator tredecim* Wunderlich, 2012*c* ..... Pa Baltic amber
1083. *Ephalmator trudis* Wunderlich, 2004*ad* ..... Pa Baltic amber
1084. *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**

1085. *Eotrochanteria kruegeri* Wunderlich, 2004*am** ..... Pa Baltic amber

† ***Sosybius*** **C. L. Koch & Berendt, 1854** ..... **Palaeogene**

= † *Adamator* Petrunkevitch, 1942
= † *Adjunctor* Petrunkevitch, 1942
= † *Adulatrix* Petrunkevitch, 1942

1086. *Sosybius berendti* Wunderlich, 2004*am* ..... Pa Baltic amber
1087. *Sosybius decumana* (C. L. Koch & Berendt, 1854) ..... Pa Baltic amber
1088. *Sosybius falcatus* Wunderlich, 2004*am* ..... Pa Baltic amber

1089. *Sosybius fusca* (Petrunkevitch, 1942) ..... Pa Baltic amber
1090. *Sosybius kochi* Wunderlich, 2004*am* ..... Pa Baltic amber
1091. *Sosybius lateralis* Wunderlich, 2004*am* ..... Pa Baltic amber
1092. *Sosybius longipes* Wunderlich, 2004*am* ..... Pa Baltic amber
1093. *Sosybius major* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber
1094. *Sosybius minor* C. L. Koch & Berendt, 1854* ..... Pa Baltic amber
1095. *Sosybius mizgirisi* Wunderlich, 2004*am* ..... Pa Baltic amber
1096. *Sosybius parva* (Petrunkevitch, 1942) ..... Pa Baltic amber
1097. *Sosybius perniciosus* Wunderlich, 2004*am* ..... Pa Baltic amber
1098. *Sosybius rufa* (Petrunkevitch, 1942) ..... Pa Baltic amber
1099. *Sosybius similis* Petrunkevitch, 1942 ..... Pa Baltic amber
1100. *Sosybius succineus* (Petrunkevitch, 1942) ..... Pa Baltic amber
1101. *Sosybius tibialis* Wunderlich, 2004*am* ..... Pa Baltic amber
1102. *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]

1103. *Thereola petiolata* (C. L. Koch & Berendt, 1854)* [♀ = ?*Dasuminia* sp. according to Wunderlich 2004*b*] ..... Pa Baltic amber
1104. *Thereola pubescens* (Menge *in* C. L. Koch & Berendt, 1854) ... Pa Baltic amber

† ***Trochanteridromulus*** **Wunderlich, 2004*am*** ..... **Palaeogene**

1105. *Trochanteridromulus glabripes* Wunderlich, 2004*am** ..... Pa Baltic amber

† ***Trochanteridromus*** **Wunderlich, 2004*am*** ..... **Palaeogene**

1106. *Trochanteridromus scutatus* Wunderlich, 2004*am** ..... Pa Baltic amber

† ***Veterator*** **Petrunkevitch, 1963** ..... **Neogene**

1107. *Veterator angustus* Wunderlich, 1988 ..... Ne Dominican amber
1108. *Veterator ascutum* Wunderlich, 1988 ..... Ne Dominican amber
1109. *Veterator extinctus* Petrunkevitch, 1963* ..... Ne Chiapas amber
1110. *Veterator incompletus* Wunderlich, 1982 ..... Ne Dominican amber
1111. *Veterator longipes* Wunderlich, 1988 ..... Ne Dominican amber
1112. *Veterator loricatus* Wunderlich, 1988 ..... Ne Dominican amber
1113. *Veterator porrectus* Wunderlich, 1988 ..... Ne Dominican amber
1114. *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**

1115. *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**

1116. *Captrix lineata* (C. L. Koch & Berendt, 1854)* ..... Pa Baltic amber

***Drassodes*** **Westring, 1851** ..... **Palaeogene – Recent**

1117. *Drassodes cupreus* (Blackwall, 1834*a*) **[Recent]** ..... Qt England

1118. ?*Drassodes femurus* Lin, Zhang & Wang, 1989 ..... Ne Shanwang

1119. ?*Drassodes sextii* Berland, 1939 ..... Pa Aix-en-Provence

† ***Drassyllinus*** **Wunderlich, 1988** ..... **Neogene**

1120. *Drassyllinus aliter* Wunderlich, 1988* ..... Ne Dominican amber

† ***Eognaphosops*** **Wunderlich, 2011*b*** ..... **Palaeogene**

1121. *Eognaphosops cryptoplanoides* Wunderlich 2011*b** ..... Pa Baltic amber

† ***Eomactator*** **Petrunkevitch, 1958** ..... **Palaeogene**

1122. *Eomactator hamatus* Wunderlich, 2011*b* ..... Pa Baltic amber

1123. *Eomactator hirsutipes* Wunderlich, 2011*b* ..... Pa Baltic amber

1124. *Eomactator mactatus* Petrunkevitch, 1958* ..... Pa Baltic amber

1125. *Eomactator obscurior* Wunderlich, 2011*b* ..... Pa Baltic amber

***Gnaphosa*** **Latreille, 1804a** ..... **?Cretaceous – Recent**

1126. *Gnaphosa affinis* (C. L. Koch & Berendt, 1854) ..... Pa Baltic amber

i. = *Philodromus dubius* C. L. Koch & Berendt, 1854

1127. *Gnaphosa ambigua* (C. L. Koch & Berendt, 1854) ..... Pa Baltic amber

1128. *Gnaphosa liaoningensis* Chang, 2004

[generic assignment unreliable!] ..... K Jehol biota

***Micaria*** **Westring, 1851** ..... **Palaeogene – Recent**

1129. *Micaria procera* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

1130. *Micaria tenella* Heer, 1865 ..... Ne Öhningen

† ***Palaeodrassus*** **Petrunkevitch, 1922** ..... **Palaeogene**

1131. *Palaeodrassus cockerelli* Petrunkevitch, 1922 ..... Pa Florissant

1132. *Palaeodrassus florissanti* Petrunkevitch, 1922 ..... Pa Florissant

1133. *Palaeodrassus hesternus* (Scudder, 1890*a*) ..... Pa Florissant

1134. *Palaeodrassus ingenuus* (Scudder, 1890*a*)* ..... Pa Florissant

1135. *Palaeodrassus interitus* (Scudder, 1890*a*) ..... Pa Florissant

***Scopoides*** **Platnick, 1989** ..... **Palaeogene – Recent**

1136. *Scopoides dominicanus* Wunderlich, 2011*g* ..... Ne Dominican amber

***Zelotes*** **Gistel, 1848** ..... **Palaeogene**

1137. *Zelotes concinna* (C. L. Koch & Berendt, 1854) ..... Pa Baltic amber

1138. *Zelotes mundula* (C. L. Koch & Berendt, 1854) ..... Pa Baltic amber

i. = *Melanophora nobilis* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

1139. *Zelotes regalis* (C. L. Koch & Berendt, 1854) ..... Pa Baltic amber

† ***Zelotetis*** **Wunderlich, 2011*b*** ..... **Palaeogene**

1140. *Zelotetis calefacta* Wunderlich, 2011*b* ..... Pa Baltic amber

**SELENOPIDAE Simon, 1897a** ..... **Palaeogene – Recent**

Selenopidae *incertae sedis in* Selden & Wang (2014) ..... Pa Baltic amber

† ***Garcorops*** **Corronca, 2003** ..... **Quaternary – Recent**

1141. *Garcorops jadis* Bosselaers, 2004 ..... Qt Madagascar copal

i. = *?Anyphops cortex* Wunderlich, 2004*as* ..... Qt Madagascar copal

***Selenops*** **Latreille, 1819** ..... **Palaeogene – Recent**

1142. *Selenops benoiti* Wunderlich, 2004*as* ..... Qt Madagascar copal

1143. *Selenops beynai* Schawaller, 1984 ..... Ne Dominican amber

1144. *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**

1145. *Caduceator minutus* Petrunkevitch, 1942* ..... Pa Baltic amber

1146. *Caduceator quadrimaculatus* Petrunkevitch, 1950 ..... Pa Baltic amber

† ***Collacteus*** **Petrunkevitch, 1942** ..... **Palaeogene**

1147. *Collacteus captivus* Petrunkevitch, 1942* ..... Pa Baltic amber

† ***Eostaianus*** **Petrunkevitch, 1950** ..... **Palaeogene**

1148. *Eostaianus succini* Petrunkevitch, 1950* ..... Pa Baltic amber

† ***Eostasina*** **Petrunkevitch, 1942** ..... **Palaeogene**

1149. *Eostasina aculeata* Petrunkevitch, 1942* ..... Pa Baltic amber

***Eusparassus*** **Simon 1903** ..... **Palaeogene – Recent**

1150. *Eusparassus crassipes* (C. L. Koch & Berendt, 1854) ..... Pa Baltic amber

***Heteropoda*** **Latreille, 1804*a*** ..... **Palaeogene – Recent**

= † *Retina* Hong, 1985

1151. *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**

1152. *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.

1153. *Zachria desiderabilis* Petrunkevitch, 1950 ..... Pa Baltic amber

1154. *Zachria peculiata* Petrunkevitch, 1946 ..... Pa Baltic amber

1155. *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**

1156. *Cretadromus liaoningensis* Cheng, Shen & Gao, 2009 ..... K Liaoning Province

NB: Wunderlich (2012*d*) suggested this could be a Theridosomatidae

† ***Eothanatus* Petrunkevitch, 1950** ..... **Palaeogene – Recent**

1157. *Eothanatus diritatis* Petrunkevitch, 1950* ..... Pa Baltic amber

**THOMISIDAE Sundevall, 1833** ..... **Palaeogene – Recent**

= APHANTOCHILIDAE Thorell, 1873

= MISUMENIDAE Thorell, 1887

= STIPHROPODIDAE Simon, 1895

= XYSTICIDAE Dahl, 1912

= BORBOROPACTIDAE Wunderlich, 2004*ao*

Thomisidae gen. et sp. *in* Nishikawa (1974) ..... Qt Mizunami copal

Thomisidae gen. et sp. *in* Bottali (1975) ..... Qt Italy

Thomisidae gen. et sp. *in* Schawaller (1982*d*) ..... Ne Willershausen

Thomisidae gen. et sp. *in* Wunderlich (1988) ..... Ne Dominican amber

Thomisidae gen. et sp. 1–2 *in* Wunderlich (2004*ap*) ..... Pa Baltic amber

Thomisidae gen. et sp. *in* Garciá-Villafuerte (2006*b*) ..... Ne Chiapas amber

Thomisidae *incertae sedis in* Selden & Wang (2014) ..... Pa Green River

***Coriarachne* Thorell, 1870*b*** ..... **Quaternary – Recent**

*Coriarachne* sp. *in* Cutler (1970) ..... Qt Wyoming

† ***Ecotona* Lin, Zhang & Wang, 1989 [*ex* Araneidae]** ..... **Neogene**

1158. *Ecotona brunnea* Zhang, Sun & Zhang, 1994 ..... Ne Shanwang

1159. *Ecotona pilulifera* Zhang, Sun & Zhang, 1994 ..... Ne Shanwang

1160. *Ecotona transipeda* Lin, Zhang & Wang, 1989* ..... Ne Shanwang

† ***Facundia* Petrunkevitch, 1942** ..... **Palaeogene**

1161. *Facundia clara* Petrunkevitch, 1942* ..... Pa Baltic amber

† ***Fiducia* Petrunkevitch, 1950** ..... **Palaeogene**

1162. *Fiducia tenuipes* Petrunkevitch, 1950* ..... Pa Baltic amber

† ***Filiolella* Petrunkevitch, 1955*a*** ..... **Palaeogene**

= † *Filiola* Petrunkevitch, 1942 [preoccupied]

1163. *Filiolella argentata* (Petrunkevitch, 1942)* ..... Pa Baltic amber

† ***Heterotmarus* Wunderlich, 1988** ..... **Neogene**

1164. *Heterotmarus altus* Wunderlich, 1988* ..... Ne Dominican amber

† ***Komisumena* Ono, 1981** ..... **Neogene**

1165. *Komisumena rosae* Ono, 1981* ..... Ne Dominican amber

† ***Miothomisus* Zhang, Sun & Zhang, 1994** ..... **Neogene**

1166. *Miothomisus subnudus* Zhang, Sun & Zhang, 1994 ..... Ne Shanwang

1167. *Miothomisus sylvaticus* Zhang, Sun & Zhang, 1994* ..... Ne Shanwang

***Misumena* Latreille, 1804a** ..... **Palaeogene – Recent**

1168. *Misumena samlandica* Petrunkevitch, 1942 ..... Pa Baltic amber

† ***Palaeoxysticus* Wunderlich, 1985** ..... **Neogene**

1169. *Palaeoxysticus extinctus* Wunderlich, 1985 ..... Ne Randecker Maar

† ***Parvulus* Zhang, Sun & Zhang, 1994** ..... **Neogene**

1170. *Parvulus latissimus* Zhang, Sun & Zhang, 1994* ..... Ne Shanwang

† ***Succinaenigma* Wunderlich, 2004*ap*** ..... **Palaeogene**

1171. *Succinaenigma raptor* Wunderlich, 2004*ap** ..... Pa Baltic amber

† ***Succiniraptor* Wunderlich, 2004*ao*** ..... **Palaeogene**

1172. *Succiniraptor radiatus* (C. L. Koch & Berendt, 1854) ..... Pa Baltic amber

i. = *Succiniraptor paradoxus* Wunderlich, 2004*ao** ..... Pa Baltic amber

***Synema* Simon, 1864** ..... **Palaeogene – Recent**

1173. *Synema enigmaticum* Berland, 1939 ..... Pa Aix-en-Provence

† ***Syphax* C. L. Koch & Berendt, 1854** ..... **Palaeogene**

1174. *Syphax asper* Petrunkevitch, 1950 ..... Pa Baltic amber

1175. *Syphax crassipes* Petrunkevitch, 1942 ..... Pa Baltic amber

1176. *Syphax fuliginosus* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

1177. *Syphax gracilis* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

1178. *Syphax megacephalus* C. L. Koch & Berendt, 1854* ..... Pa Baltic amber

1179. *Syphax secedens* Wunderlich, 2015*a* ..... Pa Baltic amber

1180. *Syphax thoracicus* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

† ***Thomisidites* Straus, 1967** ..... **Neogene**

1181. *Thomisidites hercynicus*, Straus, 1967* ..... Ne Willershausen

† ***Thomisiraptor* Wunderlich, 2004ap** ..... **Palaeogene**

1182. *Thomisiraptor liedtkei* Wunderlich, 2004*ap** ..... Pa Baltic amber

***Thomisus* Walckenaer, 1805** ..... **Palaeogene – Recent**

1183. *Thomisus defossus* Scudder, 1890*a* ..... Pa Florissant

1184. *Thomisus disjunctus* Scudder, 1890*a* ..... Pa Florissant

1185. *Thomisus lividus* Heer, 1865 ..... Ne Öhningen

1186. *Thomisus resutus* Scudder, 1890*a* ..... Pa Florissant

1187. *Thomisus sulzeri* Heer, 1865 ..... Ne Öhningen

***Xysticus* C. L. Koch, 1835** ..... **Palaeogene – Recent**

1188. ?*Xysticus annulipes* Bertkau, 1878*b* ..... Ne Rott, Germany

1189. *Xysticus archaeopalpus* Leech & Matthews, 1971 ..... Ne Alaska

1190. *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**

1191. *Almolinus bitterfeldensis* Wunderlich, 2004*aq* ..... Pa Bitterfeld amber

1192. *Almolinus clarus* Petrunkevitch, 1958* ..... Pa Baltic amber

1193. *Almolinus ligula* Wunderlich, 2004*aq* ..... Pa Baltic amber

?*Almolinus* sp. *in* Wunderlich (2004*aq*) ..... Pa Baltic amber

† ***Attoides*** **Brongniart, 1877** ..... **Palaeogene**

1194. *Attoides eresiformis* Brongniart, 1877 ..... Pa Aix-en-Provence

† ***Calilinus*** **Wunderlich, 2004*aq*** ..... **Palaeogene**

1195. *Calilinus fleissneri* Wunderlich, 2004*aq** ..... Pa Baltic amber

† ***Cenattus*** **Petrunkevitch, 1942** ..... **Palaeogene**

1196. *Cenattus exophthalmicus* Petrunkevitch, 1942* ..... Pa Baltic amber

***Corythalia*** **C. L. Koch, 1851** ..... **Neogene – Recent**

1197. *Corythalia ocululiter* Wunderlich, 1988 ..... Ne Dominican amber

1198. *Corythalia pilosa* Wunderlich, 1982 ..... Ne Dominican amber

1199. *Corythalia scissa* Wunderlich, 1988 ..... Ne Dominican amber

† ***Descangeles*** **Wunderlich, 1988** ..... **Neogene**

1200. *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**

1201. *Distanilinus filum* Wunderlich, 2004*aq* ..... Pa Baltic amber

1202. *Distanilinus nutus* Wunderlich, 2004*aq** ..... Pa Baltic amber

1203. *Distanilinus paranutus* Wunderlich, 2004*aq* ..... Pa Baltic amber

1204. *Distanilinus pernutus* Wunderlich, 2004*aq* ..... Pa Baltic amber

† ***Eoattopsis*** **Gourret, 1887** ..... **Palaeogene**

1205. *Eoattopsis hirsutus* Gourret, 1887* ..... Pa Aix-en-Provence

† ***Eolinus*** **Petrunkevitch, 1942** ..... **Palaeogene**

1206. *Eolinus balticus* Żabka, 1988 ..... Pa Baltic amber

1207. *Eolinus fungus* Wunderlich, 2004*aq* ..... Pa Baltic amber

1208. *Eolinus insuriens* Wunderlich, 2004*aq* ..... Pa Baltic amber

1209. *Eolinus prominens* Wunderlich, 2004*aq* ..... Pa Baltic amber

1210. *Eolinus samlandica* Wunderlich, 2004*aq* ..... Pa Baltic amber

1211. *Eolinus succineus* Petrunkevitch, 1942* ..... Pa Baltic amber

1212. *Eolinus theryi* Petrunkevitch, 1942 ..... Pa Baltic amber

1213. *Eolinus theryoides* Wunderlich, 2004*aq* ..... Pa Baltic amber

1214. *Eolinus tystschenkoi* Proszynski & Żabka, 1980 ..... Pa Baltic amber

1215. *Eolinus vates* Wunderlich, 2004*aq* ..... Pa Baltic amber

*Eolinus* sp. *in* Wunderlich (2004*aq*) ..... Pa Baltic amber

***Euophrys*** **C. L. Koch, 1834** ..... **Palaeogene – Recent**

1216. *Euophrys gibberula* (C. L. Koch & Berendt, 1854) ..... Pa Baltic amber

1217. *Euophrys randeckensis* Schawaller & Ono, 1979 ..... Ne Randecker Maar

† ***Evagoratus* Zhang, Sun & Zhang, 1994** ..... **Neogene**

1218. *Evagoratus longicruris* Zhang, Sun & Zhang, 1994 ..... Ne Shanwang

† ***Gorgopsidis* Wunderlich, 2004*aq*** ..... **Palaeogene**

1219. *Gorgopsidis bechlyi* Wunderlich, 2004*aq** ..... Pa Baltic amber

† ***Gorgopsina* Petrunkevitch, 1955a** ..... **Palaeogene**

1220. *Gorgopsina amabilis* Wunderlich, 2004*aq* ..... Pa Baltic amber

1221. *Gorgopsina constricta* Wunderlich, 2004*aq* ..... Pa Baltic amber

1222. *Gorgopsina expandens* Wunderlich, 2004*aq* ..... Pa Baltic amber

1223. '*Gorgopsina*' *fasciata* (C. L. Koch & Berendt, 1854) ..... Pa Baltic amber

1224. *Gorgopsina flexuosa* Wunderlich, 2004*aq* ..... Pa Baltic amber

1225. *Gorgopsina formosa* (C. L. Koch & Berendt, 1854) ..... Pa Baltic amber

1226. *Gorgopsina fractura* Wunderlich, 2004*ar* ..... Pa Rovno amber

1227. *Gorgopsina frenata* (C. L. Koch & Berendt, 1854)* ..... Pa Baltic amber

1228. *Gorgopsina inclusa* Wunderlich, 2004*aq* ..... Pa Baltic amber

1229. *Gorgopsina jucunda* (Petrunkevitch, 1942) ..... Pa Baltic amber

1230. *Gorgopsina marginata* (C. L. Koch & Berendt, 1854) ..... Pa Baltic amber

1231. *Gorgopsina melanocephala* (C. L. Koch & Berendt, 1854) ..... Pa Baltic amber

1232. *Gorgopsina naumanni* Giebel, 1856 ..... Pa Baltic amber

1233. *Gorgopsina paulula* (C. L. Koch & Berendt, 1854) ..... Pa Baltic amber

1234. *Gorgopsina rectangularis* Wunderlich, 2011*h* ..... Pa Baltic amber

1235. *Gorgopsina speciosa* Wunderlich, 2004*aq* ..... Pa Baltic amber

***Heliophanus* C. L. Koch, 1833** ..... **Palaeogene – Recent**

1236. *Heliophanus extinctus* Berland, 1939 ..... Pa Aix-en-Provence

***Hyllus* C. L. Koch, 1846** ..... **Quaternary – Recent**

= † *Parevophrys* Petrunkevitch, 1942

1237. *Hyllus succini* (Petrunkevitch, 1942) ..... Qt Copal

NB: Originally described as Baltic amber

***Lyssomanes* Hentz, 1845** ..... **Neogene – Recent**

1238. *Lyssomanes pristinus* Wunderlich, 1986 ..... Ne Dominican amber

i. = *Lyssomanes galianoae* Reiskind, 1989 ..... Ne Dominican amber

1239. *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**

1240. *Microlinus calidus* Wunderlich, 2004*aq* ..... Pa Baltic amber

1241. *Microlinus folium* Wunderlich, 2004*aq** ..... Pa Baltic amber

***Myrmarachne* MacLeay, 1839** ..... **Quaternary – Recent**

= † *Entomocephalus* Holl, 1829 [suppressed; see ICZN Opinion 2258]

1242. *Myrmarachne formicoides* (Holl, 1829) ..... ?Qt Copal [?not amber]

***Neon* Simon, 1876*a*** ..... **Quaternary – Recent**

1243. *Neon ?reticulatus* (Blackwall, 1853) **[Recent]** ..... Qt England

***Nilakantha* Peckham & Peckham, 1901** ..... **Neogene – Recent**

1244. *Nilakantha beugelorum* (Wolff, 1990) ..... Ne Dominican amber

† ***Paralinus* Petrunkevitch, 1942** ..... **Palaeogene**

1245. *Paralinus crosbyi* Petrunkevitch, 1942* ..... Pa Baltic amber

† ***Pensacolatus* Wunderlich, 1988** ..... **Neogene**

1246. *Pensacolatus coxalis* Wunderlich, 1988* ..... Ne Dominican amber

1247. *Pensacolatus spinipes* Wunderlich, 1988 ..... Ne Dominican amber

1248. ?*Pensacolatus tibialis* Wunderlich, 2004*aq* ..... Ne Dominican amber

*Pensacolatus* sp. *in* Wunderlich (1988) ..... Ne Dominican amber

***Phidippus* C. L. Koch, 1846** ..... **Palaeogene**

1249. *Phidippus impressus* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

1250. *Phidippus pusillus* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

† ***Phlegrata* Wunderlich, 1988** ..... **Neogene**

1251. *Phlegrata pala* Wunderlich, 1988* ..... Ne Dominican amber

† ***Prolinus* Petrunkevitch, 1958** ..... **Palaeogene**

1252. *Prolinus fossilis* Petrunkevitch, 1958* ..... Pa Baltic amber

† ***Salticidites* Straus, 1967** ..... **Neogene**

1253. *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]

1254. *Steneattus promissa* (C. L. Koch & Berendt, 1854)* ..... Pa Baltic amber

**Araneomorphae *incertae sedis***

† ***Elvina* Thorell, 1870*b*** ..... **Neogene**

1255. *Elvina antiqua* (von Heyden, 1859) ..... Ne Linz am Rhein

**Araneae *incertae sedis***

Araneae *incertae sedis in* Selden *et al*. (2014) ..... P Kurty, Kazakhstan

† ***Amphiclotho* Gourret, 1887** ..... **Palaeogene**

1256. *Amphiclotho breviuscula* Gourret, 1887* ..... Pa Aix-en-Provence

† ***Amphithomisus* Gourret, 1887** ..... **Palaeogene**

1257. *Amphithomisus barbatus* Gourret, 1887* ..... Pa Aix-en-Provence

† ***Atocatle* Feldmann, Vega, Applegate & Bishop, 1998** [really a spider?] ..... **Cretaceous**

1258. *Atocatle ranulfoi* Feldmann, Vega, Applegate & Bishop, 1998* ..... K Puebla, México

† ***Cercidiella* Gourret, 1887** ..... **Palaeogene**

1259. *Cercidiella aquisextana* Gourret, 1887* ..... Pa Aix-en-Provence

† ***Clubionella* Gourret, 1887** ..... **Palaeogene**

1260. *Clubionella antiqua* Gourret, 1887* ..... Pa Aix-en-Provence

† ***Eresoides*** **Gourret, 1887** ..... **Palaeogene**

1261. *Eresoides orbicularis* Gourret, 1887* ..... Pa Aix-en-Provence

† ***Hersilioides*** **Gourret, 1887** ..... **Palaeogene**

1262. *Hersilioides thanatiformis* Gourret, 1887* ..... Pa Aix-en-Provence

† ***Opisthophylax*** **Menge, 1856** ..... **Palaeogene**

1263. *Opisthophylax exarata* Menge, 1856* ..... Pa Baltic amber

† ***Prodysdera*** **Gourret, 1887** ..... **Palaeogene**

1264. *Prodysdera intermedia* Gourret, 1887* ..... Pa Aix-en-Provence

† ***Protochersis*** **Gourret, 1887** ..... **Palaeogene**

1265. *Protochersis spinosus* Gourret, 1887* ..... Pa Aix-en-Provence

† ***Protolachesis*** **Gourret, 1887** ..... **Palaeogene**

1266. *Protolachesis annulata* Gourret, 1887* ..... Pa Aix-en-Provence

† ***Paralycosa*** **Dunlop & Jekel, 2009** ..... **Palaeogene**

= † *Protolycosa* Gourret, 1887 [preoccupied]

1267. *Paralycosa attiformis* (Gourret, 1887)* ..... Pa Aix-en-Provence

† ***Pseudothomisus*** **Gourret, 1887** ..... **Palaeogene**

1268. *Pseudothomisus articulatus* Gourret, 1887* ..... Pa Aix-en-Provence

† ***Schellenbergia*** **Heer, 1865** ..... **Neogene**

1269. *Schellenbergia rotundata* Heer, 1865* ..... Ne Öhningen

† ***Timeropus*** **Thorell, 1891** ..... **Palaeogene**

= † *Lycosoides* Gourret, 1887 [preoccupied]

1270. *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**

3. ?*Archaeometa devonica* Størmer, 1976 [unidentifiable] ..... D Alken an der Mosel

† ***Eopholcus* Frič, 1904** ..... **Carboniferous**

4. *Eopholcus pedatus* Frič, 1904* [not identified] ..... C Nýřany

† ***Oichnus* Bromley 1981 [ichnogenus]** ..... **Palaeogene**

5. *Oichnus bavincourti* (Vaillant, 1909) [at one stage placed in *Cteniza*] ..... Pa Northern France

† ***Palpipes* Roth, 1854** ..... **Jurassic**

6. *Palpipes cursor* Roth, 1854 [crustacean] ..... J Solnhofen

† ***Palaeocteniza* Hirst, 1923** ..... **Devonian**

7. *Palaeocteniza crassipes* Hirst, 1923* [juvenile trigonotarbid?] ..... D Rhynie chert

† ***Pleurolycosa* Frič, 1904** ..... **Carboniferous**

8. *Pleurolycosa prolifera* (Frič, 1901)* [unidentifiable] ..... C Nýřany

46,385 Recent species according to the WSC (2017)

# HAPTOPODA

1 currently valid species of fossil haptopod

† **HAPTOPODA Pocock, 1911** ..... **Carboniferous**

† **PLESIOSIRONIDAE Pocock, 1911** ..... **Carboniferous**

† ***Plesiosiro* Pocock, 1911** ..... **Carboniferous**

1. *Plesiosiro madeleyi* Pocock, 1911 ..... C Coseley

no Recent species

# AMBLYPYGI

12 currently valid species of fossil whip spider

**AMBLYPYGI Thorell, 1882** ..... **Carbon. – Recent**

= PHRYNÉIDES Walckenaer, 1837

= PHRYNICHIDA Petrunkevitch, 1945*a*

**PALAEOAMBLYPYGI Weygoldt, 1996 (suborder)** ..... **Carbon. – Recent**

**family uncertain**

† ***Sorellophrynus*** **Harvey, 2002** ..... **Carboniferous**

= † *Protophrynus* Petrunkevitch, 1913 (preoccupied)

1. *Sorellophrynus carbonarius* (Petrunkevitch, 1913)* ..... C Mazon Creek

† ***Thelyphrynus*** **Petrunkevitch, 1913** ..... **Carboniferous**

2. *Thelyphrynus elongatus* Petrunkevitch, 1913 ..... C Mazon Creek

**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

† ***Paracharonopsis*** **Engel & Grimaldi, 2014** ..... **Palaeogene**

6. *Paracharonopsis cambayensis* Engel & Grimaldi, 2014* ..... Pa Cambay amber

**EUAMBLYPYGI Weygoldt, 1996 (suborder)** ..... **Cretaceous – Recent**

**CHARINIDAE Quintero, 1986** ..... **Recent**

no fossil record

**NEOAMBLYPYGI Weygoldt, 1996 (infraorder)** ..... **Cretaceous – Recent**

**CHARONTIDAE Simon, 1892*a*** ..... **Recent**

no fossil record

**UNIDISTITARSATA Engel & Grimaldi, 2014** ..... **Cretaceous – Recent**

† ***Kronocharon*** **Engel & Grimaldi, 2014** ..... **Cretaceous**

7. *Kronocharon engeli* Wunderlich, 2015*c* ..... K Burmese amber
8. *Kronocharon longicalcaris* Wunderlich, 2015*c* ..... K Burmese amber
9. *Kronocharon prendinii* Engel & Grimaldi, 2014* ..... K Burmese amber

**PHRYNOIDEA Blanchard, 1852** ..... **Cretaceous – Recent**

**PHRYNICHIDAE Simon, 1892*a*** ..... **Recent**

no fossil record

**PHRYNIDAE Blanchard, 1852** …… **Cretaceous – Recent**

= † ELECTROPHRYNIDAE Petrunkevitch, 1971

† ***Britopygus* Dunlop & Martill, 2002** …… **Cretaceous**

10. *Britopygus weygoldti* Dunlop & Martill, 2002 …… K Crato Formation

***Phrynus* Lamarck, 1801** …… **Neogene – Recent**

11. *Phrynus mexicana* Poinar & Brown, 2004 …… Ne Chiapas amber
12. *Phrynus resinae* (Schawaller, 1979*b*) …… Ne Dominican amber

*NOMINA DUBIA*

1. *Electrophrynus mirus* Petrunkevitch, 1971 …… Ne Chiapas amber
2. *Phrynus fossilis* Keferstein, 1834 …… Pa Aix-en-Provence

i. = *Phrynus marioni* Gourret, 1887 …… Pa Aix-en-Provence

136 Recent species according to Harvey (2003)

# UROPYGI

9 currently valid species of fossil whip scorpion

**UROPYGI Thorell, 1882** ..... **Carbon. – Recent**

= THELYPHONIDA Latreille, 1804b

= UROTRICHA C. L. Koch, 1851

= OXOPOEI Thorell, 1888

= HOLOPELTIDIA Börner, 1902

Thelyphonida sp. *in* Selden *et al*. 2014 ..... C Donets Basin

**plesion genera**

† ***Geralinura* Scudder, 1884** ..... **Carboniferous**

1. *Geralinura britannica* Pocock, 1911 ..... C Coseley
2. *Geralinura carbonaria* Scudder, 1884* ..... C Mazon Creek
   i. = *Geralinura gigantea* Petrunkevitch, 1913 ..... C Mazon Creek
   ii. = *Geralinura similis* Petrunkevitch, 1913 ..... C Mazon Creek

† ***Parageralinura* Tetlie & Dunlop, 2008** ..... **Carboniferous**

3. *Parageralinura marsiglioi* Selden, Dunlop & Simonetto, 2016 ..... C Carnic Alps
4. *Parageralinura naufraga* (Brauckmann & Koch, 1983)* ..... C Hagen-Vorhalle
5. *Parageralinura neerlandicus* Laurentiaux-Viera & Laurentiaux, 1961..... C Limburg

† ***Proschizomus* Dunlop & Horrocks, 1996** ..... **Carboniferous**

6. *Proschizomus petrunkevitchi* Dunlop & Horrocks, 1996 ..... C Coseley

† ***Prothelyphonus* Frič, 1904** ..... **Carboniferous**

7. *Prothelyphonus bohemicus* (Kušta, 1884*b*) ..... C Rakovník
   i. = *Prothelyphonus cordai* Frič, 1904 ..... C Rakovník
   ii. = *Geralinura crassa* Kušta, 1888 ..... C Rakovník
   iii. = *Geralinura noctua* Kušta, 1888 ..... C Rakovník
   iv. = *Geralinura scudderi* Kušta, 1888 ..... C Rakovník

**THELYPHONIDAE Lucas 1835** ..... **Cretaceous – Recent**

† ***Burmathelyphonia* Wunderlich, 2015*c*** ..... **Cretaceous**

8. *Burmathelyphonia prima* Wunderlich, 2015*c** ..... K Burmese amber

† ***Mesoproctus* Dunlop, 1988** ..... **Cretaceous**

9. *Mesoproctus rowlandi* Dunlop, 1998 ..... K Crato Formation

*Mesoproctus* sp. *in* Dunlop & Martill (2002) ..... K Crato Formation

MISIDENTIFICATIONS

1. *Thelyphonus hadleyi* Pierce, 1945 [unidentifiable, ?algal] ..... Ne California

110 Recent species according to Prendini (2011)

# SCHIZOMIDA

6 currently valid species

- the fossil family Calcitronidae cannot be meaningfully compared to the Recent families

**SCHIZOMIDA Petrunkevitch, 1945*b*** ..... **Palaeogene – Recent**

= TARTARIDES Thorell, 1888 (tribe)

= COLOPYGA Cook, 1899 (order)

= SCHIZOPELTIDA Börner, 1902 (tribe)

† **CALCITRONIDAE Petrunkevitch, 1945*b*** ..... **Palaeogene – Neogene**

† ***Calcitro*** **Petrunkevitch, 1945*b*** ..... **Palaeogene – Neogene**

1. *Calcitro fisheri* Petrunkevitch, 1945*b** ..... Ne Onyx Marble
2. *Calcitro oplonis* Lin *in* Lin *et al*., 1988 ..... Pa Shandong, China

**HUBBARDIIDAE Cook, 1899** ..... **Neogene – Recent**

***Antillostenochrus*** **Armas & Teruel, 2002** ..... **Neogene – Recent**

3. *Antillostenochrus pseudoannulatus* (Krüger & Dunlop, 2010) ..... Ne Dominican Amber

† ***Calcoschizomus*** **Pierce, 1951** ..... **Neogene**

4. *Calcoschizomus latisternum* Pierce, 1951 ..... Ne Onyx Marble

† ***Onychothelyphonus*** **Pierce, 1950** ..... **Neogene**

5. *Onychothelyphonus bonneri* Pierce, 1950 ..... Ne Onyx Marble

***Rowlandius*** **Reddell & Cokendolpher, 1995** ..... **Neogene – Recent**

6. *Rowlandius velteni* (Krüger & Dunlop, 2010) ..... Ne Dominican Amber

**PROTOSCHIZOMIDAE Rowland, 1975** ..... **Recent**

no fossil record

267 Recent species according to Harvey (pers. comm. 2009)

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