# 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.

## PRINCIPAL CHANGES SINCE THE LAST UPDATE

The principal additions in this version include some previously overlooked records/corrections to the horseshoe crabs, three new harvestmen from Eocene Baltic amber, a new mite in the family Myobiidae also from Baltic amber, and two new and unusual mesothele spiders from Cretaceous Burmese amber.

## ACKNOWLEDGMENTS

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

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 Hunsrückschiefer

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

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

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

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

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

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

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

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

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

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

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

= PEGMATA Fry, 1978

**family uncertain**

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

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

**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 famial 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 famial 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 famial 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

6 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
- *Houia* was suggested as a possible link between horseshoe crabs and eurypterids
- 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***

† ***Houia*** **Selden, Lamsdell & Qi, 2015** ..... **Devonian**

4. *Houia yueya* (Lamsdell, Xue & Selden, 2013)..... D Yunann, China

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

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

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

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

# XIPHOSURA *s. lat.*

108 currently valid species traditionally assigned to horseshoe crabs, of which 85 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*** ..... **Ordovician? – Recent**

FAMILY UNSPECIFIED

undetermined synziphosurine *in* Poschmann & Francke (2006) ..... D Waxweiler, Germany

† ***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 Hunsrückschiefer

**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

† ***Drabovaspis* Chlupáč, 1963** ..... **Ordovician**

21. *Drabovaspis complexa* Chlupáč, 1963* ..... O Bohemia

previously treated as an aglaspidid; affinities within Xiphosura unclear (Ortega-Hernández *et al*. (2010)

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

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

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

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

originally described as possible myriapods

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

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

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

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

= † ELLERIDAE Raymond, 1944

a paraphyletic family group *sensu* Lamsdell (2016).

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

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

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

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

† ***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

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

**family uncertain**

† ***Xiphosuroides*** **Shpinev & Vasilenko, 2018** ..... **Carboniferous**

33. *Xiphosuroides khakassicus* Shpinev & Vasilenko, 2018* [eggs !] ..... C Khakassia

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

= † EUPROOPIDAE Eller, 1938*b*

= † LIOMESASPIDIDAE Raymond, 1944

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

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

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

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

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

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

= † *Belinurus* König, 1851

= † *Steropsis* Baily, 1869

= † *Koenigiella* Raymond, 1944

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

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

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

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

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

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

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

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

44. *Bellinurus kiltorkensis* Baily, 1869 ..... C Coal Measues
45. *Bellinurus koenigianus* Woodward, 1872*a* ..... C Coal Measues
46. *Bellinurus lacoei* Packard, 1885 ..... C Mazon Creek
47. *Bellinurus longicaudatus* Woodward, 1907*b* ..... C Coal Measues
48. *Bellinurus lunatus* (Martin, 1809) ..... C Mansfield, UK
49. *Bellinurus metschetensis* (Chernyshev, 1928) ..... C Donetz Basin
50. *Bellinurus morgani* Dix & Pringle, 1930 ..... C South Wales, UK
51. *Bellinurus pustulosus* Dix & Pringle, 1929 ..... C South Wales, UK
52. *Bellinurus reginae* Baily, 1863 ..... C Coal Measues
53. *Belinurus* [*sic*] *sinicus* Hong, 1979 ..... C Shanxi, China
54. *Bellinurus stepanovi* (Chernyshev, 1928) ..... C Donetz Basin
55. *Bellinurus trechmanni* Woodward, 1918 ..... C Coal Measues
56. *Bellinurus trilobitoides* (Buckland, 1837)* ..... C Coalbrookdale, UK
57. *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*]

58. *Euproops anthrax* (Prestwich, 1840) ..... C Coal Measues
59. *Euproops bifidus* Siegfried, 1972 ..... C Coal Measues
60. *Euproops cambrensis* Dix & Pringle, 1929 ..... C Coal Measues
61. *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
62. *Euproops longispina* Packard, 1885 ..... C Mazon Creek
63. *Euproops mariae* Crônier & Courville, 2005 ..... C Massif Central
64. *Euproops meeki* Dix & Pringle, 1929 ..... C South Wales
65. *Euproops nitida* Dix & Pringle, 1929 ..... C South Wales
66. *Euproops orientalis* Kobayashi, 1933 ..... ?P Korea
67. *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

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

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

71. *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*

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

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

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

73. *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
*Limulitella* sp. *in* Zuber *et al*. (2017) ..... Tr Winterswijk
*Limulitella* or *Psammolimulus* sp. *in* Križnar & Hitij (2010) ..... Tr Slovenia

74. *Limulitella bronnii* (Schimper, 1853)* ..... Tr Grés á Voltzia
    i. = *Limulus sandbergeri* Kirchner, 1923 ..... Tr Germany
75. *Limulitella henkeli* Fritsch, 1906 ..... Tr Halle, Germany
76. ?*Limulitella liasokeuperensis* (Braun, 1860) ..... J Germany
77. *Limulitella tejraensis* Błażejowski, Niedźwiedzki, Boukhalfa & Soussi, 2017 ..... Tr Tejra, Tunisia
78. *Limulitella vicensis* (Bleicher, 1897) ..... Tr Lorraine
79. *Limulitella volgensis* Ponomarenko, 1985 ..... Tr Moscow

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

= † *Dubbolimulus* Pickett, 1984

80. *Paleolimulus fuchsbergensis* Hauschke & Wilde, 1987 ..... Tr northwest Germany
81. *Paleolimulus jakovlevi* Glushenko *in* Glushenko & Ivanov, 1961 ..... P Novoselovka, Ukraine
82. ?*Paleolimulus juresanensis* Chernyshev, 1933 ..... C Ural region
83. *Paleolimulus kunguricus* Naugolnykh, 2017 ..... P Cis-Urals
84. *Paleolimulus longispinus* Schram, 1979 ..... C Bear Gulch, Montana
85. *Paleolimulus peetae* (Pickett, 1984) ..... Tr New South Wales
86. *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**

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

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

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

Limuloidea fam., gen. et sp. indet. *in* Seegis (2014) ..... Tr Stuttgart Formation

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

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

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

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

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

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

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

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

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

† ***Vaderlimulus* Lerner, Lucas & Lockley, 2017** ..... **Triassic**

92. *Vaderlimulus tricki* Lerner, Lucas & Lockley, 2017* ..... Tr Idaho, USA

**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** ..... **Jurassic – Cretaceous**

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

*Crenatolimulus* "sp. nov." *in* Błażejowski, *et al*. (2015) ..... J Owadów- Brzezinki

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

94. *Limulus coffini* Reeside & Harris, 1952 ..... K Colorado
95. *Limulus darwini* Kin & Błażejowski, 2014 ..... J Kcynia, Poland
96. *"Limulus" decheni* Zinken, 1862 ..... Pa Teuchern, Germany

Hauschke & Wilde (2004) considered this intermediate between *Limulus* and *Tachypleus*

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

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

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

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

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

101. *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

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

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

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

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

= † *Heterolimulus* Via Boada & Villalta, 1966

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

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

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

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

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

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

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

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

*INCERTAE SEDIS*

† ***Belinuropsis* Matthew 1910** ..... **Carboniferous**

108. *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, Australia
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. *Rutroclypeus junori* Withers, 1933 [Echinodermata: carpoid] ……..... D Victoria, Australia
14. *Strongylocephalus charactis* Tasch, 1961 [insect] ……..……..... P Kansas
15. *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**

1. *Chasmataspis laurencii* Caster & Brooks, 1956* ..... O Tennessee
   ?*Chasmataspis* sp. resting traces *in* Dunlop *et al*. (2004) ..... € Texas

† **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.
    originally misidentified as a giant spider

† ***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

priority of the family names needs to 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

† ***Stoermeropterus*** **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**

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**

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 Cochabamba, Bol.

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

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

= † JAEKELOPTERIDAE Størmer, 1974

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

203. *Erettopterus grandis* Pohlman, 1881 ..... S New York

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

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

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

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

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

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

= † *Curviramus* Reudemann, 1935

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

EURYPTERIDA *incertae sedis*

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

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

† ***?Dolichopterus***

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

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

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

† ***?Eurypterus***

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

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

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

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

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

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

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

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

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

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

† ***?Nanahughmilleria***

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

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

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

† ***?Salteropterus***

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

† ***?Stylonurus***

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

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

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

*NOMINA DUBIA*

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

*NOMINA NUDA*

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

*NOMINA VANA*

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

MISIDENTIFICATIONS

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

PSEUDOFOSSILS

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

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

no Recent species

# SCORPIONES

145 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**

*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 Hunsrückschiefer

Kühl *et al*. (2012) simply listed 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
    i. = *Mazoniscorpio mazonensis* Wills, 1960 ..... C Mazon Creek

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

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

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

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

45. *Eobuthus cordai* Kjellesvig-Waering, 1986 ..... C Kralupy Hill
46. *Eobuthus holti* Pocock, 1911 ..... C Sparth Bottoms
47. *Eobuthus rakovnicensis* Frič, 1904* ..... C Rakovník

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

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

= † *Alloscorpius* Petrunkevitch, 1949
= † *Europhthalmus* Petrunkevitch, 1949
= † *Lichnophthalmus* Petrunkevitch, 1949
= † *Trigonoscorpio* Petrunkevitch, 1913
= † *Typhloscorpius* Petrunkevitch, 1949

48. *Eoscorpius bornaensis* Sterzel, 1918 ..... C Chemnitz–Borna
49. *Eoscorpius carbonarius* Meek & Worthen, 1868*a** ..... C Mazon Creek
    i. = *Eoscorpius typicus* Petrunkevitch, 1913 ..... C Mazon Creek
    ii. = *Eoscorpius granulosus* Petrunkevitch, 1913 ..... C Mazon Creek
    iii. = *Trigonoscorpio americanus* Petrunkevitch, 1913 ..... C Mazon Creek
50. *Eoscorpius casei* Kjellesvig-Waering, 1986 ..... C Nova Scotia
51. *Eoscorpius distinctus* (Petrunkevitch, 1949) ..... C Coseley
52. *Eoscorpius mucronatus* Kjellesvig-Waering, 1986 ..... C Barnsley
53. *Eoscorpius pulcher* (Petrunkevitch, 1949) ..... C Barnsley
    i. = *Europhthalmus longimanus* Petrunkevitch, 1949 ..... C Barnsely
54. *Eoscorpius sparthensis* Baldwin & Sutcliffe, 1904 ..... C Sparth Bottoms

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

*Parisobuthus* [*sic*] sp. *in* Gutiérrez-Marco *et al*. (2005) ..... C León, Spain

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

**Orthosternina *incertae sedis***

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

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

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

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

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

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

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

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

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

**family uncertain**

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

= † *Allobuthiscorpius* Kjellesvig-Waering, 1986

= † *Coseleyscorpio* Kjellesvig-Waering, 1986

= † *Leioscorpio* Kjellesvig-Waering, 1986

= † *Lichnoscorpius* Petrunkevitch, 1949

= † *Pseudobuthiscorpius* Kjellesvig-Waering, 1986

= † *Typhlopisthacanthus* Petrunkevitch, 1949

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

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

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

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

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

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

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

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

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

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

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

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

no fossil record

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

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

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

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

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

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

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

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

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

84. *Betaburmesebuthus joergi* Lourenço & Rossi, 2017 ..... K Burmese amber

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

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

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

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

88. *Palaeoburmesebuthus knodeli* Lourenço, 2018 ..... K Burmese amber

89. *Palaeoburmesebuthus longimanus* Lourenço & Rossi, 2017 ..... K Burmese amber

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

† ***Spinoburmesebuthus* Lourenço, 2002** ..... **Cretaceous**

91. *Spinoburmesebuthus pohli* Lourenço *in* Lourenço & Velten, 2017* ..... K Burmese amber

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

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

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

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

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

95. *Chaerilobuthus enigmaticus* Lourenço, 2015*d* ..... K Burmese amber

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

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

98. *Chaerilobuthus schwarzi* Lourenço *in* Lourenço & Velten, 2015 ..... K Burmese amber

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

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

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

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

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

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

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

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

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

102. *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**

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

114. *Palaeolychas weitschati* Lourenço, 2012*a* ..... Pa Baltic amber

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

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

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

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

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

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

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

118. *Tityus apozonalli* Riquelme *et al*., 2015 ..... Ne Chiapas amber

119. *Tityus azari* Lourenço, 2013*a* ..... Ne Dominican amber

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

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

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

123. *Tityus (Brazilotityus) knodeli* Lourenço, 2014 ..... Ne Chiapas amber

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

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

**BUTHIDAE *incertae sedis***

125. '*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**

126. *Archaeoscorpiops cretacicus* Lourenço, 2015*a** ..... K Burmese amber

† ***Burmesescorpiops*** **Lourenço, 2016** ..... **Cretaceous**

127. *Burmesescorpiops groehni* Lourenço, 2016*b** ..... K Burmese amber

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

128. *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**

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

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

130. *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**

131. *Electrochaerilus buckleyi* Santiago-Blay *et al*., 2004 ..... K Burmese amber

**DIPLOCENTRIDAE Karsch, 1880*b*** ..... **Recent**

no fossil record

**EUSCORPIIDAE Laurie, 1896** ..... **?Paleogene – Recent**

tentative familial assignment

† ***Eoeuscorpius*** **Kühl & Lourenco, 2017** ..... **?Paleogene – Recent**

132. *Eoeuscorpius ceratoi* Kühl & Lourenco, 2017* ..... Pa Pesciara, Italy

**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**

133. *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**

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

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

135. *Sinoscorpius shandongensis* Hong, 1983*a** ..... Ne Shandong, China

**SUPERSTITIONIIDAE Stahnke, 1940** ..... **Recent**

no fossil record

**TROGLOTAYOSICIDAE Lourenço, 1998** ..... **Recent**

no fossil record

**VAEJOVIDAE Thorell, 1876*b*** ..... **Recent**

no fossil record

SCORPIONES *incertae sedis*

Scorpiones *incertae sedis in* Dunlop & Selden (2013) ..... S Trecastle, Wales

† ***Brontoscorpio*** **Kjellesvig-Waering, 1972** ..... **Devonian**

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

† ***Eramoscorpius*** **Waddington, Rudkin & Dunlop, 2015** ..... **Silurian**

137. *Eramoscorpius brucensis* Waddington, Rudkin & Dunlop, 2015* ..... S Ontario, Canada

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

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

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

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

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

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

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

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

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

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

† ***Permomatveevia* Dammann, 2017** ..... **Permian**

143. *Permomatveevia perneri* Dammann, 2017* ..... P Matvéevo, Urals

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

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

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

145. *Wattisonia coseleyensis* Wills, 1960 ..... C Coseley

MISIDENTIFICATIONS

1. ?*Waterstonia brachistodactyla* Kjellesvig-Waering, 1986 [plant fragment?] ..... C Beith, Ayrshire
2. ?*Mesophonus maculatus* (Brauer, Redtenbacher & Ganglbauer, 1889) ..... [?insect: cockroach] ..... J Siberia
3. *Tiphoscorpio hueberi* Kjellesvig-Waering, 1986 [myriapod: *Eoarthropleura*] ..... D New York

2,408 Recent species

# OPILIONES

44 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

   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** ..... **Carboniferous**

5. *Hastocularis argus* Garwood, Sharma, Dunlop & Giribet, 2014* ..... C Montceau-les-Mines

**PHALANGIDA Bristowe, 1949**

**Suborder uncertain**

**ARCHAEOMETIDAE Pocock** ..... **Carboniferous**

† ***Archaeometa*** **Pocock, 1911** ..... **Carboniferous**

6. *Archaeometa nephilina* Pocock, 1911* ..... C Coseley

originally misidentified as spiders, 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 Baltic / Bitter. 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 *Lacinius 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

**PROTOLOPHIDAE Banks, 1893** ..... **Palaeogene – Recent**

***Protolophus* Banks, 1893** ..... **Palaeogene – Recent**

17. *Protolophus hoffeinsi* Elsaka, Mitov & Dunlop, 2019 ..... Pa Baltic amber

**SCLEROSOMATIDAE Simon, 1879*a*** ..... **Jurassic – Recent**

† ***Amauropilio* Mello-Leitão, 1937** ..... **Palaeogene**

18. *Amauropilio atavus* (Cockerell, 1907) ..... Pa Florissant
19. *Amauropilio lacoei* (Petrunkevitch, 1922) ..... Pa Florissant

***Eumesosoma* Cokendolpher, 1980** ..... **Palaeogene – Recent**

20. *Eumesosoma abdelmawlai* Elsaka, Mitov & Dunlop, 2019 ..... Pa Baltic amber

*Eumesosoma* sp. *in* Elsaka, Mitov & Dunlop (2019) ..... Pa Baltic amber

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

21. *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**

22. *Mesobunus dunlopi* Giribet, Tourhino, Shih & Ren, 2012 ..... J Daohugou
23. *Mesobunus martensi* Huang, Selden & Dunlop, 2009* ..... J Daohugou

FAMILY UNCERTAIN

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

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

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

FAMILY UNCERTAIN

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

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

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

26. *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**

27. *Halitherses grimaldii* Giribet & Dunlop, 2005* ..... K Burmese amber

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

Tentative assignment, family uncertain

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

28. *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**

29. *Sabacon claviger* (Menge *in* Koch & Berendt 1854) ..... Pa Baltic amber

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

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

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

no fossil record

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

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

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

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

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

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

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

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

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

33. ?*Mitostoma gruberi* Dunlop & Mitov, 2009 ..... Pa Baltic/Bitter. amber

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

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

† ***Paragiljarovia* Elsaka, Mitov & Dunlop, 2019** ..... **Palaeogene**

35. *Paragiljarovia hochae* Elsaka, Mitov & Dunlop, 2019* ..... Pa Baltic amber

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

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

= † *Protopilio* Petrunkevitch, 1913

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

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

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

no fossil record

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

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

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

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

FAMILY UNCERTAIN

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

39. *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**

40. *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**

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

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

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

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

no fossil record

**ASSAMIOIDEA Sørensen, 1884** ..... **Cretaceous – Recent**

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

no fossil record

**EPEDANIDAE Sørensen, 1886** ..... **Cretaceous – Recent**

† ***Petrobunoides* Selden, Dunlop, Giribet, Zhang & Ren, 2016** ..... **Cretaceous**

43. *Petrobunoides sharmai* Selden, Dunlop, Giribet, Zhang & Ren, 2016* .... K Burmese amber

**PETROBUNIDAE Sharma & Giribet, 2011** ..... **Recent**

no fossil record

**PYRAMIDOPIIDAE Sharma, Prieto & Giribet, 2011** ..... **Recent**

no fossil record

**STYGNOPSIDAE Sørensen, 1932** ..... **Recent**

no fossil record

**TITHAEIDAE Sharma & Giribet, 2011** ..... **Recent**

no fossil record

**GONYLEPTOIDEA Sundevall, 1833** ..... **Recent**

**AGORISTENIDAE Šilhavý, 1973** ..... **Recent**

no fossil record

**COSMETIDAE C. L. Koch, 1839*a*** ..... **Recent**

no fossil record

**CRANAIDAE Roewer, 1913** ..... **Recent**

no fossil record

**GONYLEPTIDAE Sundevall, 1833** ..... **Recent**

no fossil record

**MANAOSBIIDAE Roewer, 1943** ..... **Recent**

no fossil record

**STYGNIDAE Simon, 1879*b*** ..... **Recent**

no fossil record

**PHALANGODOIDEA Simon, 1879*a*** ..... **Recent**

**ONCOPODIDAE Thorell, 1876*c*** ..... **Recent**

no fossil record

**PHALANGODIDAE Simon, 1879*a*** ..... **Recent**

no fossil record

**ZALMOXOIDEA Sørensen, 1886** ..... **Recent**

**FISSIPHALLIIDAE Martens, 1988** ..... **Recent**

no fossil record

**GUASINIIDAE González-Sponga, 1997** ..... **Recent**

no fossil record

**ICALEPTIDAE Kury & Pérez González, 2002** ..... **Recent**

no fossil record

**ZALMOXIDAE Sørensen, 1886** ..... **Recent**

no fossil record

**OPILIONES *incertae sedis***

unnamed specimen *in* Jell & Duncan (1986) ..... K Koonwarra

† ***Arachnometa* Petrunkevitch, 1949** ..... **Carboniferous**

44. *Arachnometa tuberculata* Petrunkevitch, 1949* ..... C Coseley

originally misidentified as a spider, 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
   probably not a name in zoology

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

50 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** ..... **Cretaceous – Recent**

**CHTHONIIDAE Daday, 1889** ..... **Cretaceous – 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

† ***Weygoldtiella* Harvey *et al*., 2018** ..... **Cretaceous**

6. *Weygoldtiella plausus* Harvey *et al*., 2018 ..... K Burmese amber

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

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

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

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

= DITHIDAE Chamberlin, 1929

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

8. *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**

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

† ***Protofeaella* Henderickx *in* Henderickx & Boone, 2014** ..... **Cretcaeous – Recent**

10. *Protofeaella peetersae* Henderickx *in* Henderickx & Boone, 2016* ..... K Burmese amber

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

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

11. *Pseudogarypus extensus* Beier, 1937 ..... Pa Baltic amber
12. *Pseudogarypus hemprichii* (C. L. Koch & Berendt, 1854) ..... Pa Baltic amber
13. *Pseudogarypus minor* Beier, 1947*a* ..... Pa Baltic/Rovno amber
14. *Pseudogarypus pangaea* Henderickx *in* Henderickx *et al.*, 2006 ..... Pa Baltic amber
15. *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**

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

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

17. *Neobisium* (*Neobisium*) *exstinctum* Beier, 1955 ..... Pa Baltic amber
18. *Neobisium henderickxi* Judson, 2003 ..... Pa Baltic amber

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

19. *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**

20. *Amblyolpium burmiticum* (Cockerell, 1920) ..... K Burmese amber

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

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

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

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

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

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

24. *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**

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

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

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

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

26. *Cheiridium hartmanni* (Menge in Koch & Berendt 1854) ..... Pa Baltic amber

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

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

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

28. *Electrobisium acutum* Cockerell, 1917*a** ..... K Burmese amber

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

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

29. *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**

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

*Paratemnoides* (?) sp. *in* Judson (2016) ..... Ne Chiapas amber

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

31. *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

32. *Dichela berendtii* Menge *in* Koch & Berendt 1854* ..... Pa Baltic amber
33. *Dichela gracilis* (Beier, 1937) ..... Pa Baltic amber
34. *Dichela granulatus* (Beier, 1937) ..... Pa Baltic amber
35. *Dichela serratidentatus* (Beier, 1937) ..... Pa Baltic amber

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

36. *Electrochelifer bachofeni* Beier, 1947*a* ..... Pa Baltic amber
37. *Electrochelifer balticus* Beier, 1955 ..... Pa Baltic amber
38. *"Electrochelifer" groehni* Dashdamirmov, 2008 ..... Pa Baltic amber
39. *Electrochelifer mengei* Beier, 1937* ..... Pa Baltic amber
40. *Electrochelifer rapulitarsatus* Beier, 1947*a* ..... Pa Baltic amber

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

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

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

42. *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**

43. *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)

44. *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**

45. *Oligochernes bachofeni* Beier, 1937 ..... Pa Baltic amber

46. *Oligochernes wigandi* (Menge *in* Koch & Berendt 1854) ..... Pa Baltic amber

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

47. *Pachychernes effossus* Schawaller, 1980*b* ..... Ne Dominican amber

48. *Pachychernes* aff. *subrobustus* (Balzan, 1892) ..... Qt–R Colombian copal

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

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

49. *Beierowithius sieboldtii* (Menge *in* Koch & Berendt 1854)* ..... Pa Baltic amber

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

50. *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

18 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?

**NUTALLIELLIDAE Schulze, 1935** ..... **Recent**

**no fossil record**

† **DEINOCROTONIDAE Peñalver, Arillo, Anderson & Pérez-de la Fuente *in* Peñalver**

***et al*., 2017** ..... **Cretaceous**

† ***Deinocroton*** **Peñalver, Arillo, Anderson & Pérez-de la Fuente *in* Peñalver *et al*., 2017** ..... **Cretaceous**

4. *Deinocroton draculi* Peñalver, Arillo, Anderson & Perez-de la Fuente *in* Peñalver *et al*., 2017* ..... K Burmese amber

**ARGASIDAE Murray, 1877** ..... **Cretaceous – Recent**

***Carios*** **Latreille, 1796** ..... **Cretaceous – Recent**

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

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

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

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

a putative *Hyalomma* in Baltic amber in de la Fuente (2003) is probably a caeculid mite

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

7. *Amblyomma* near *argentinae* Neumann, 1905 **[Recent]** (as *testudinis*) *in* Lane & Poinar (1986) ..... Ne–R Dominican amber
8. *Amblyomma birmitum* Chitima-Dobler, Araujo, Ruthensteiner, Pfeffer & Dunlop, 2017 ..... K Burmese amber
9. *Amblyomma* near *dissimile* C. L. Koch, 1844 **[Recent]** *in* Kierens *et al*. (1986) ..... Ne–R Dominican amber

   *Amblyomma* sp. (Klompen *in* Grimaldi *et al*. 2002) ..... K Burmese amber

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

10. *Compluriscutula vetulum* Poinar & Buckley, 2008* ..... K Burmese amber

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

11. *Cornupalpatum burmanicum* Poinar & Brown, 2003* ..... K Burmese amber

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

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

***Haemaphysalis*** **C. L. Koch, 1844** ..... **Cretaceous – Recent**

13. *Haemaphysalis* (*Alloceraea*) *cretacea* Chitimia-Dobler, Pfeffer & Dunlop, 2018 ..... K Burmese amber

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

14. *Ixodes sigelos* Keirans, Clifford & Corwin, 1976 **[Recent]** ..... Qt Argentina
15. *Ixodes* (*Partipalpiger*) *succineus* Weidner, 1964 ..... Pa Baltic amber

**MESOSTIGMATA G. Canestrini, 1891 (suborder)** ..... **Palaeogene – Recent**

= GAMASIDA Leach, 1815

**SEJIDA Kramer, 1885 (infraorder)** ..... **Recent**

= LIROASPINA author, date?

= TRICHOPYGIDIINA author, date?

**SEJOIDEA Berlese, 1885** ..... **Recent**

**ICHTHYOSTOMATOGASTERIDAE Sellnick, 1953** ..... **Recent**

no fossil record

**SEJIDAE Berlese, 1885** ..... **Recent**

= LIROASPIDIDAE Trägårdh, 1946

no fossil record

see *Sejus bdelloides* under *nomina dubia*

**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**

16. *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**

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

***Gamasus* Latreille, 1802** ..... **?Palaeogene – Recent**

18. *Gamasus fossils* Mani, 1945 [generic affinities questionable] ..... Pa Worli Hill, India

**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**

19. *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

***nomina dubia***

1. *Ixodes tertiarius* Scudder, 1885 ……..…….Pa Wyoming
2. *Sejus bdelloides* C. L. Koch & Berendt, 1854 ……..…… Pa Baltic amber

   not a parasitiform mite, probably ?Anystoidea *incertae sedis* according to Dunlop *et al*. (2018)

*c*. 12,500 Recent species

# ACARIFORMES

332 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 described by Bernini *et al*. (2002) and assigned to the derived Brachypylina group of the oribatids remains controversial and is not formally listed below
- several fossils from the Triassic of India were described (Kumar & Kumar 1999) and subsequently named (Kumar 2004) as fossil lice, but are almost certainly prostigmatid and oribatid mites probably representing modern contaminents (Dalgleish *et al*. 2006)

**ACARIFORMES Zachvatkin, 1952** ..... **Devonian – Recent**

= ACTINOTRICHIDA author, date?

**TROMBIDIFORMES Reuter, 1909 (suborder)**..... **Devonian – Recent**

**SPHAEROLICHIDA OConnor, 1984 (infraorder)**..... **Recent**

**LORDALYCOIDEA Grandjean, 1939** ..... **Recent**

**LORDALYCHIDAE Grandjean, 1939**..... **Recent**

**=** HYBALICIDAE Theron, 1974

no fossil record

**SPHAEROLICHOIDEA Berlese, 1913** ..... **Recent**

**SPHAEROLICHIDAE Berlese, 1913** ..... **Recent**

no fossil record

**PROSTIGMATA Kramer, 1877 (infraorder)** ..... **Devonian – Recent**

**LABIDOSTOMMATIDES Lindquist, Krantz & Walter, 2009 (s.cohort)** **Palaeogene – Recent**

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

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

= NICOLETIELLIDAE Canestrini, 1891

Labidostomatidae sp. *in* Sidorchuk & Bertrand (2013) ..... Pa Rovno amber

Labidostomatidae sp. *in* Sidorchuk & Bertrand (2013) ..... Pa Bitterfeld amber

***Labidostomma* Kramer, 1879**..... **Palaeogene – Recent**

1. *Labidostomma* (*Nicoletiella*) *paleoluteum* Dunlop & Bertrand, 2011 ..... Pa Baltic amber
2. *Labidostomma* (*Pseudocornutella*) *electri* Sidorchuk & Bertrand, 2013 .. Pa Baltic amber

***Sellnickiella* Feider & Vasiliu, 1969**..... **Palaeogene – Recent**

3. *Sellnickiella balticae* Sidorchuk & Bertrand, 2013 ..... Pa Baltic amber

**EUPODIDES Krantz, 1978 (supercohort)** ..... **Devonian – Recent**

**BDELLOIDEA Dugès, 1834** ..... **Cretaceous – Recent**

**BDELLIDAE Dugès, 1834** ..... **Cretaceous – Recent**

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

***Bdella* Latreille, 1795** ..... **Cretaceous – Recent**

4. *Bdella bicincta* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber
5. *Bdella bombycina* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber
6. *Bdella obconica* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber
7. *Bdella vetusta* Ewing, 1937 ..... K Canadian amber

***Bdellodes* Oudemans, 1937** ..... **Palaeogene – Recent**

8. *Bdellodes lata* (C. L. Koch & Berendt, 1854) ..... Pa Baltic amber

**CUNAXIDAE Thor, 1902** ..... **Recent**

no fossil record

**HALACAROIDEA Murray, 1877** ..... **Recent**

**HALACARIDAE Murray, 1877** ..... **Recent**

no fossil record

**PEZIDAE Harvey, 1990** ..... **Recent**

no fossil record

**EUPODOIDEA C. L. Koch, 1842** ..... **Palaeogene – Recent**

**COCCEUPODIDAE Jesionowska, 2010** ..... **Recent**

no fossil record

**DENDOCHAETIDAE Oliver, 2008** ..... **Recent**

no fossil record

**EUPODIDAE C. L. Koch, 1842** ..... **Recent**

no fossil record

**ERIORHYNCHIDAE Qin & Halliday, 1997** ..... **Recent**

no fossil record

**PENTAPALPIDAE Oliver & Theron, 2000** ..... **Recent**

no fossil record

**PENTHALEIDAE Oudemans, 1931** ..... **Recent**

no fossil record

**PENTHALODIDAE Thor, 1933** ..... **Palaogene – Recent**

***Penthalodes* Murray, 1877** ..... **Palaeogene – Recent**

9. *Penthalodes tristiculus* (C. L. Koch & Berendt, 1854) ..... Pa Baltic amber

**PROTERORHAGIIDAE Lindquist & Palacios-Vargas, 1991** ..... **Recent**

no fossil record

**RHAGIDIIDAE Oudemans, 1922** ..... **Paleogene – Recent**

Rhagidiidae indet. *in* Judson & Wunderlich (2003) ..... Pa Baltic amber

***Poecilophysis* O. P.-Cambridge, 1876** ..... **Paleogene – Recent**

?*Poecilophysis* sp. *in* Judson & Wunderlich (2003) ..... Pa Baltic amber

† ***Zachardia* Judson & Wunderlich, 2003** ..... **Paleogene**

10. *Zachardia flexipes* Judson & Wunderlich, 2003 ..... Pa Baltic amber

**STRANDTMANNIIDAE Zacharda, 1979** ..... **Recent**

no fossil record

**TYDEOIDEA Kramer, 1877** ..... **Devonian – Recent**

**EREYNETIDAE Oudemans, 1931** ..... **Recent**

= MICROEREUNETIDAE Bottazzi, 1950

no fossil record

**IOLINIDAE Pritchard, 1956** ..... **Recent**

no fossil record

**TRIOPHTYDEIDAE Andrè, 1980** ..... **Recent**

= MEYERELLIDAE André, 1979

no fossil record

**TYDEIDAE Kramer, 1877** ..... **Devonian – Recent**

† ***Palaeotydeus* Dubinin, 1962** ..... **Devonian – Recent**

11. *Palaeotydeus devonicus* Dubinin, 1962 ..... D Rhynie chert

† ***Parapotacarus* Dubinin, 1962** ..... **Devonian – Recent**

12. *Paraprotacarus hirsti* Dubinin, 1962 ..... D Rhynie chert

**TETRAPODILI *sensu* Oudemans, 1923** ..... **Triassic – Recent**

**TRIASACAROIDEA Lindquist & Sidorchuk *in* Sidorchuk *et al*., 2014** ..... **Triassic**

**TRIASACARIDAE Lindquist & Sidorchuk *in* Sidorchuk *et al*., 2014** ..... **Triassic**

† ***Ampezzoa* Linquist & Grimaldi *in* Schmidt *et al*., 2012,** ..... **Triassic**

13. *Ampezzoa triassica* Lindquist & Grimaldi *in* Schmidt *et al*., 2012* ..... Tr Italian amber

† ***Cheirolepidoptus* Sidorchuk & Lindquist *in* Sidorchuk *et al*. 2014** ..... **Triassic**

14. *Cheirolepidoptus dolomiticus* Sidorchuk & Lindquist *in* Sidorchuk *et al*., 2015* ..... Tr Italian amber

† ***Minyacarus*** **Sidorchuk & Lindquist *in* Sidorchuk *et al*., 2014** ..... **Triassic**

15. *Minyacarus aderces* Sidorchuk & Lindquist *in* Sidorchuk *et al*., 2015* ... 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

*Procaeculus* sp. *in* Rivas *et al*. (2016) ..... Ne Dominican 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** ..... **Palaeogene–Recent**

***Calyptostoma* Cambridge, 1875** ..... **Paleogene–Recent**

25. *Calyptostoma katyae* Konikiewicz, Wohltmann & Mąkol, 2016 ..... Pa Baltic amber

**ERYTHRAEOIDEA Grandjean, 1947*a*** ..... **Cretaceous – Recent**

larval Erythraeoidea *in* Zacharda & Krivoluckij (1985) ..... K Siberian amber

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

= LEPTIDAE Billberg, 1820

= BALUSTIIDAE Grandjean, 1947

= † PROTERYTHRAEIDAE Vercammen-Grandjean, 1973

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

Erythraeidae indet *in* Poinar *et al*. (2010) ..... K Canadian amber

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

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

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

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

† ***Burerythrites* Konikiewicz & Mąkol, 2018** ..... **Cretaceous**

28. *Burerythrites pankowskii* Konikiewicz & Mąkol, 2018* ..... K Burmese amber

† ***Burphanolophus*** **Konikiewicz & Mąkol, 2018** ..... **Cretaceous**

29. *Burphanolophus joergwunderlichi* Konikiewicz & Mąkol, 2018* ..... K Burmese amber

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

30. *Erythraeus bifrons* (Menge *in* C. L. Koch & Berendt, 1854) ..... Pa Baltic amber
31. *Erythraeus foveolatus* (C. L. Koch & Berendt, 1854) ..... Pa Baltic amber
32. *Erythraeus hirsutus* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber
33. *Erythraeus lagopus* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber
34. *Erythraeus longipes* (C. L. Koch & Berendt, 1854) ..... Pa Baltic amber
35. *Erythraeus proavus* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber
36. *Erythraeus procerus* (Menge *in* C. L. Koch & Berendt, 1854) ..... Pa Baltic amber
37. *Erythraeus raripilus* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber
38. *Erythraeus rostratus* (Menge *in* C. L. Koch & Berendt, 1854) ..... Pa Baltic amber
39. *Erythraeus saccatus* (C. L. Koch & Berendt, 1854) ..... Pa Baltic amber

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

*Leptus* sp. *in* Arillo *et al*. (2018) ..... K San Just amber

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

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

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

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

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

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

Smarididae indet *in* Penney (2010) ..... Ne Dominican amber

Smarididae indet *in* Perkovsky *et al*. (2010) ..... Pa Dominican amber

† ***Burfessonia*** **Konikiewicz & Mąkol, 2018** ..... **Cretaceous**

43. *Burfessonia maryae* Konikiewicz & Mąkol, 2018* ..... K Burmese amber

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

44. *Fessonia grabenhorsti* Bartel, Konikiewicz, Mąkol, Wohltmann & Dunlop, 2015 ..... Pa Baltic amber
45. *Fessonia groehni* Bartel, Konikiewicz, Mąkol, Wohltmann & Dunlop, 2015 ..... Pa Baltic amber
46. *Fessonia wunderlichi* Bartel, Konikiewicz, Mąkol, Wohltmann & Dunlop, 2015 ..... Pa Baltic amber

† ***Immensmaris*** **Dunlop, Frahnert & Mąkol, 2018** ..... **Cretaceous**

47. *Immensmaris chewbaccei* Dunlop, Frahnert & Mąkol, 2018* ..... K Burmese amber

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

**trombidiid mites?**

48. *Megameropsis aquensis* Gourret, 1887 ..... Pa Aix-en-Provence
49. *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**

50. *Atanaupodus bakeri* Judson & Mąkol, 2009 ..... K Archingeay amber

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

51. *Eothrombium fortesambiense* Mąkol, Konikiewicz & Klug, 2018 ..... Pa Baltic amber

† ***Propolyssenia*** **Mąkol, Konikiewicz & Klug, 2018** ..... **Paleogene**

52. *Propolyssenia wohltmanni* Mąkol, Konikiewicz & Klug, 2018* ..... Pa Baltic 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** ..... **Paleogene – Recent**

***Porttrombidium*** **Haitlinger, 2000** ..... **Paleogene – Recent**

53. *Porttrombidium gedanense* Konikiewicz, Sontag & Mąkol, 2016 ..... Pa Baltic amber

**NEOTHROMBIIDAE Feider, 1955** ..... **Recent**

no fossil record

**TROMBIDIIDAE Leach, 1815** ..... **Paleogene – Recent**

= PARATHROMBIIDAE Feider, 1959

***Allothrombium*** **Berlese, 1903** ..... **Paleogene – Recent**

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

***Paratrombium*** **Bruyant, 1910** ..... **Paleogene – Recent**

55. *Paratrombium rovniense* Konikiewicz & Mąkol, 2014 ..... Pa Rovno amber

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

56. *Trombidium crassipes* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber
57. *Trombidium granulatum* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber
58. *Trombidium heterotrichum* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber
59. *Trombidium scrobiculatum* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

NB: the next family may be a synonym

**WALCHIIDAE Ewing, 1946** ..... **Recent**

no fossil record

**TROMBICULOIDEA Ewing, 1929** ..... **Cretaceous – 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** ..... **Cretaceous – Recent**

***Nothrotrombidium* Wormesley, 1954** ..... **Cretaceous – Recent**

60. *Nothrotrombidium myanmarum* Konikiewicz & Mąkol, 2018 ..... K Burmese amber

**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**

61. *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** ..... **Paleogene – Recent**

**MYOBIIDAE Mégnin, 1877** ..... **Paleogene – Recent**

† ***Protohylomysobia* Sidorchuk & Bochkov *in* Sidorchuck *et al*. (2019)** ..... **Paleogene**

62. *Protohylomysobia erinaceophilus* Sidorchuk & Bochkov *in* Sidorchuk *et al*. (2019)* ..... Pa Baltic amber

**PTERYGOSOMATOIDEA Oudemans, 1910** ..... **Cretaceous – Recent**

**PTERYGOSOMATIDAE Oudemans, 1910** ..... **Cretaceous – Recent**

***Pimeliaphilus* Trägårdh, 1905** ..... **Cretaceous – Recent**

*Pimeliaphilus* sp. *in* Sidorchuk & Khaustov (2018*a*) ..... K Archingeay amber

**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**

63. *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**

64. *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**

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

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

66. *Schizotetranychus brevipes* (C. L. Koch & Berendt, 1854) ..... Pa Baltic amber

**TUCKERELLIDAE Baker & Pritchard, 1953** ..... **Palaeogene – Recent**

***Tuckerella* Wormesley, 1940** ..... **Palaeogene – Recent**

67. *Tuckerella fossilibus* Khaustov, Sergeyenko & Perkovsky, 2014 ..... Pa Rovno amber

68. *Tuckerella weiterschani* Sidorchuk & Khaustov, 2018*b* ..... Pa Baltic amber

**CHEYLETOIDEA Leach, 1815** ..... **Cretaceous – Recent**

**CHEYLETIDAE Leach, 1815** ..... **Cretaceous – Recent**

Chelytidae sp. indet. *in* Bradley (1931) ..... Pa Green River

***Cheyletus* Latreille, 1796** ..... **Cretaceous – Recent**

69. *Cheyletus burmiticus* Cockerell, 1917*b* ..... K Burmese amber

70. *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

**HETEROSTIGMATA Berlese, 1899 (cohort)** ..... **Cretaceous – Recent**

† **NASUTIACAROIDEA Sidorchuk & Lindquist *in* Sidirchuk *et al*., 2016** ..... **Cretaceous**

† **NASUTIACARIDAE Sidorchuk & Lindquist *in* Sidirchuk *et al*., 2016** ..... **Cretcaeous**

† ***Nasutiacarus* Sidorchuk & Lindquist *in* Sidirchuk *et al*., 2016** ..... **Cretcaeous**

71. *Nasutiacarus perplexus* Sidorchuk & Lindquist *in* Sidorchuk *et al*., 2016* ..... K French amber

**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**

72. *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**

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

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

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

74. *Protoresinacarus brevipedis* Khaustov & Poinar, 2010* ..... K Burmese amber

**TARSONEMOIDEA Canestrini & Fanzago, 1877** ..... **Quaternary – Recent**

**PODAPOLIPIDAE Ewing, 1922** ..... **Recent**

no fossil record

**TARSONEMIDAE Canestrini & Fanzango, 1877** ..... **Quaternary – Recent**

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

**Cohort *incertae sedis***

**CLOACAROIDEA Camin, Moss, Oliver & Singer, 1967** ..... **Recent**

**CLOACARIDAE Camin, Moss, Oliver & Singer, 1967** ..... **Recent**

no fossil record

**EPIMYODICIDAE Fain, Lukoschus & Rosmalen, 1982** ..... **Recent**

no fossil record

**SARCOPTIFORMES** author, date? **(suborder)** ..... **Devonian – Recent**

**ENDEOSTIGMATA** author, date? **(infraorder)** ..... **Devonian – Recent**

= PACHYGNATHINA author, date?

**ALYCINA** author, date? **(cohort)**

**ALYCOIDEA Canestrini & Fanzago, 1877** ..... **Devonian – Recent**

**ALYCIDAE Canestrini & Fanzago, 1877** ..... **Devonian – Recent**

= PACHYGNATHIDAE Kramer, 1877

= BIMICHAELIIDAE Womersley, 1944

† ***Protacarus*** **Hirst, 1923** ..... **Devonian**

75. *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**

76. *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**

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

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

78. *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**

79. *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**

80. *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**

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

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

82. *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**

83. *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**

84. *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**

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

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

86. *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**

87. *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**

88. *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**

89. *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**

90. *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**

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

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

92. *Embolacarus pergratus* Sellnick, 1919* ..... Pa Baltic amber

**EUPYCTIMA Grandjean, 1967** ..... **Palaeogene – Recent**

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**

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

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

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

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

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

= SABAHTRITIIDAE Mahunka, 1987

Oribotritidae indet. *in* Kaulfuss *et al*. (2011) ..... Pa New Zealand amber

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

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

97. *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**

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

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

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

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

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

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

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

103. *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**

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

105. *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

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

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

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

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

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

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

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

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

= HOLONOTHRIDAE Wallwork, 1963

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

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

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

= GALAPAGACARIDAE P. Balogh, 1985

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

123. *Northrus vasquezae* Arillo & Subías *in* Arillo *et al.*, 2016 ..... K Spanish amber

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

= ALLONOTHRIDAE Lee, 1985

= MUCRONOTHRIDAE Kunst, 1972

= TRHYPOCHTHONIELLIDAE Knülle, 1957

***Afronothrus* Wallwork, 1961** ..... **Cretaceous – Recent**

124. *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**

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

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

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

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

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

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

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

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

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

131. *Trhypochthonius lopezvallei* Arillo, Subías & Shtanchaeva, 2012 ..... K San Just amber

132. *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**

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

134. *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]

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

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

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

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

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

138. *Platyliodes ensigerus* (Sellnick, 1919) ..... Pa Baltic amber

139. *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**

140. *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**

141. *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**

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

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

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

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

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

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

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

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

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

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

148. *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**

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

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

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

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

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

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

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

154. *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**

155. *Amiracarus pliocennatus* Miko *in* Miko *et al*. (2013) ..... Ne Slovenian Karst

156. *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**

157. *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**

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

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

= † *Archaeorchestes* Arillo & Subías, 2000

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

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

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

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

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

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

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

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

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

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

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

***Megeremaeus*** **Higgins & Wooley 1965** ..... **Cretaceous – Recent**

165. *Megeremaeus cretaceous* Sidorchuk & Behan-Pelletier, 2017 ..... K Canadian amber

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

no fossil record

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

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

*Zetorchestes* spp.*in* Sidorchuk & Norton (2011) ..... Pa Rovno amber

**GUSTAVIOIDEA Oudemans, 1900** ..... **Jurassic – Recent**

= LIACAROIDEA Sellnick, 1928

**ASTEGISTIDAE Balogh, 1961** ..... **Jurassic – Recent**

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

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

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

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

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

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

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

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

170. *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**

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

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

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

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

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

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

no fossil record

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

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

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

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

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

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

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

176. *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**

177. *Carabodes areolatus* Berlese, 1916 **[Recent]** ..... Qt Karelia, Russia
178. *Carabodes coriaceus* C. L. Koch, 1835* **[Recent]** ..... Qt Finland
179. *Carabodes coriaceus* **[Recent]** *fossilis* Sellnick, 1931 ..... Pa Baltic amber
180. *Carabodes dissonus* Sellnick, 1931 ..... Pa Baltic amber
181. *Carabodes gerberi* Sellnick, 1931 ..... Pa Baltic amber
182. *Carabodes laybrinthicus* (Michael, 1879) **[Recent]** ..... Qt Europe
183. *Carabodes labyrinthicus* **[Recent]** *fossilis* Sellnick, 1931 ..... Pa Baltic amber
184. *Carabodes marginatus* (Michael, 1884) **[Recent]** ..... Qt Finland
185. *Carabodes minusculus* Berlese, 1923 **[Recent]** ..... Qt Germany
186. *Carabodes ornatus* Storkan, 1925 **[Recent]** ..... Qt Finland
187. *Carabodes subarcticus* Trägardh, 1902 **[Recent]** ..... Qt Finland
188. *Carabodes willmanni* Bernini, 1975 **[Recent]** ..... Qt western Norway

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

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

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

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

190. *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**

191. *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**

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

193. *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**

194. *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**

195. *Dissorhina nuda* Miko, 2015 ..... Ne Slovenian Karst

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

197. *Dissorhina paleokrasica* Miko, 2015 ..... Ne Slovenian Karst

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

† ***Praoppiella* Miko & Mourek *in* Miko *et al*., 2012** ..... **Quaternary**

212. *Praoppiella oanae* Miko & Mourek *in* Miko *et al*., 2012* ..... Qt Slovenian Karst

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

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

† ***Rhinoppioides* Miko *in* Miko *et al*., 2012** ..... **Quaternary**

214. *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**

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

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

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

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

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

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

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

222. *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**

223. *Banksinoma lanceolata* (Michael, 1885)* **[Recent]** ..... Qt Europe

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

224. *Oribella dentata* Sidorchuk, 2004 ..... Qt Arkhangel'sk oblast

**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**

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

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

227. *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**

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

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

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

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

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

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

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

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

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

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

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

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

234. *Ameronothrus maculatus* (Michael, 1882) **[Recent]** ..... Qt western Norway

† ***Palaeonothrus* Krivolutskii & Sidorchuk, 2003** ..... **Quaternary**

235. *Palaeonothrus polytrichus* Krivolutskii & Sidorchuk, 2003* ..... Qt Arkhangel'sk Oblast

236. *Palaeonothrus rotundatus* Krivolutskii & Sidorchuk, 2003 ..... Qt Arkhangel'sk Oblast

**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**

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

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

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

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

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

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

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

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

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

242. *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**

243. *Tenuelamellarea estefaniae* Arillo & Subías *in* Arillo *et al.*, 2016 ..... K Spanish amber

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

***Hypovertex* Krivolutsky, 1969** ..... **Cretaceous – Recent**

251. *Hypovertex hispanicus* Arillo & Subías *in* Arillo *et al.*, 2016 ..... K Spanish amber

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

252. *Scutovertex minutus* (C. L. Koch, 1835) **[Recent]** ..... Qt Germany

**PHENOPELOPOIDEA Petrunkevitch, 1955*a*** ..... **Palaeogene – Recent**

**PHENOPELOPIDAE Petrunkevitch, 1955*a*** ..... **Palaeogene – Recent**

= PELOPIDAE author, date?

***Eupelops* Ewing, 1917*a*** ..... **Palaeogene – Recent**

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

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

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

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

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

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

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

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

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

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

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

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

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

261. *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**

262. *Achipteria coleoptrata* (Linnaeus, 1757) **[Recent]** ..... Qt Finland / Greenland

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

[An *incertae sedis* taxon?]

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

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

265. *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**

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

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

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

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

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

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

269. *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**

270. *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**

271. *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**

272. *Lucoppia simplex* Sellnick, 1931 ..... Pa Baltic amber

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

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

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

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

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

† ***Sachalinbates* Arillo, Subías & Shtanchaeva, 20112** [replacement name] ..... **Palaeogene – Recent**

= † *Sachalinella* Rjabinin *in* Krivolutzkii & Rjabinin, 1976 [preoccupied]

276. *Sachalinbates zherichini* (Rjabinin *in* Krivolutzkii & Rjabinin, 1976)* ..... Pa Sachalin amber

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

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

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

= BIROBATIDAE J. Balogh & P. Balogh, 1984

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

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

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

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

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

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

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

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

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

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

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

† ***Alexebates*** **Krivolutskii & Sidorchuk, 2003** ..... **Quaternary – Recent**

282. *Alexebates vychegodus* Krivolutskii & Sidorchuk, 2003 ..... Qt Arkhangel'sk Oblast

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

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

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

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

285. *Scheloribates apertus* Sellnick, 1931 ..... Pa Baltic amber

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

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

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

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

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

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

292. *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**

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

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

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

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

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

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

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

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

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

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

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

300. *Melanozetes mollicomus* **[Recent]** *fossilis* Sellnick, 1931 ..... Pa Baltic amber

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

315. *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**

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

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

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

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

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

320. *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**

321. *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**

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

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

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

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

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

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

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

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

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

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

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

329. *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?**

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**

330. *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**

331. *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**

332. *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

RECENT CONTAMINENTS?

1. *Acarus siro* (Linnaeus, 1758) *in* Kumar *et al*. (2011) ……P Chamba Valley, India
2. *Acarus indicus* Kumar, Ja Jha, Bhattacharya & Pande, 2011 ……P Chamba Valley, India

   Sidorchuck (2018) regarded these species as immature nothroid oribatids, quite possibly modern contaminents

*NON* NAMES IN ZOOLOGY

taxa assigned to living mite genera based on the fossil responses of plant tissue (galls); see discussion in Dunlop & Braddy (2011)

1. *Eriophyes daphnogene* Ambrus & Hably, 1979 [fossil gall] ……Pa Hungary
2. *Eryophies* [*sic*] *vilarrubiae* Villalta, 1957 [fossil gall] ……Ne Spain
3. *Phytopus antiquus* van Heyden, 1860 [fossil gall] ……Ne Rott, Germany

*c*. 36,900 Recent species according to Hallan (2004)

# RICINULEI

22 currently valid species of fossil ricinuleid

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

= RHINOGASTRA Cook, 1899

= PODOGONA Cook, 1899

† **PRIMORICINULEI Wunderlich, 2015*c* (suborder)** ..... **Cretaceous**

† **PRIMORICINULEIDAE Wunderlich, 2015*c*** ..... **Cretaceous**

† ***Primoricinuleus* Wunderlich, 2015*c*** ..... **Cretaceous**

1. *Primoricinuleus pugio* Wunderlich, 2015*c** ..... K Burmese amber

† **HIRSUTISOMIDAE Wunderlich, 2017*b*** ..... **Cretaceous**

† ***Hirsutisoma* Wunderlich, 2017*b*** ..... **Cretaceous**

2. *Hirsutisoma acutiformis* Wunderlich, 2017*b* ..... K Burmese amber
3. *Hirsutisoma bruckschi* Wunderlich, 2017*b** ..... K Burmese amber
4. *Hirsutisoma dentata* Wunderlich, 2017*b* ..... K Burmese amber

† **MONOOCULRCINULIDAE Wunderlich, 2017*b*** ..... **Cretaceous**

† ***Monooculricinuleus* Wunderlich, 2017*b*** ..... **Cretaceous**

5. *Monooculricinuleus incisus* Wunderlich, 2017*b** ..... K Burmese amber
6. *Monooculricinuleus semiglobosus* Wunderlich, 2017*b** ..... K Burmese amber

these two species appear to be misidentified laniatorids (Opiliones) from the family Sandokanidae; see also comments in Wunderlich & Müller (2018)

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

Wunderlich (2012*e*) treated Selden's two suborders as superfamilies

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

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

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

7. *Amarixys gracilis* (Petrunkevitch, 1945*a*) ..... C Mazon Creek
8. *Amarixys stellaris* Selden, 1992 ..... C Mazon Creek
9. *Amarixys sulcata* (Melander, 1903)* ..... C Mazon Creek

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

10. *Curculioides adompha* Brauckmann, 1987 ..... C Hagen-Vorhalle
11. *Curculioides ansticii* Buckland, 1837* ..... C Coalbrookdale
12. *Curculioides eltringhami* Petrunkevitch, 1949 ..... C Crawcrook
13. *Curculioides gigas* Selden, 1992 ..... C Mazon Creek
14. *Curculioides granulatus* Petrunkevitch, 1949 ..... C Ilkeston
15. *Curculioides mcluckiei* Selden, 1992 ..... C Mazon Creek

16. *Curculioides pococki* Selden, 1992 ..... C Coseley
17. *Curculioides scaber* (Scudder, 1890*b*) ..... C Mazon Creek

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

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

18. ?*Poliochera cretacea* Wunderlich, 2012*e* ..... K Burmese amber
19. *Poliochera gibbsi* Selden, 1992 ..... C Illinois
20. *Poliochera glabra* Petrunkevitch, 1913 ..... C Mazon Creek
21. *Poliochera punctulata* Scudder, 1884* ..... C Mazon Creek

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

22. *Terpsicroton alticeps* Selden, 1992* ..... C Coseley

## NEORICINULEI Selden, 1992 (suborder) ..... Recent

**RICINOIDIDAE Ewing, 1929** ..... **Recent**

= CRYPTOSTEMMIDAE Westwood, 1874

no fossil record

*NOMINA DUBIA*

1. *Poliochera* / *Curculioides pustulatus* Laurentiaux-Viera & Laurentiaux, 1963 ..... C Kiaping

76 Recent species according to Fernández & Giribet (2015)

# ARACHNIDA and/or PANTETRAPULMONATA *incertae sedis*

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

- all four species below have been suggested as possible members of the so-called pantetrapulmonate arachnids; i.e. spiders and their closest relatives
- *Idmonarachne* was specifically proposed as a putative sister-group to spiders

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

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

† ***Idmonarachne* Garwood, Dunlop, Selden, Spencer, Atwood, Vo & Drakopoulos, 2016** ..... **Devonian**

2. *Idmonarachne brasieri* Garwood, Dunlop, Selden, Spencer, Atwood, Vo & Drakopoulos, 2016* ..... C Montceau-les-Mines

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

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

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

4. *Xenarachne wilwerathensis* Dunlop & Poschmann, 1997* ..... D Willwerath

no Recent species

# TRIGONOTARBIDA

70 currently valid species of fossil trigonotarbid

† **TRIGONOTARBIDA Petrunkevitch, 1949** ..... **Silurian – Permian**

= ANTHRACOMARTI Karsch, 1882

= MERIDOGASTRA Thorell & Lindström, 1885

= EURYMARTI Matthew, 1895

**plesion genus**

† ***Palaeotarbus*** **Dunlop, 1999** ..... **Silurian**

= † *Eotarbus* Dunlop, 1996 [preoccupied]

1. *Palaeotarbus jerami* (Dunlop, 1996)* ..... S Ludford Lane

† **PALAEOCHARINIDAE Hirst, 1923** ..... **Devonian**

† ***Aculeatarbus*** **Shear, Selden & Rolfe, 1987** ..... **Devonian**

2. *Aculeatarbus depressus* Shear, Selden & Rolfe, 1987* ..... D Gilboa

† ***Gelasinotarbus*** **Shear, Selden & Rolfe, 1987** ..... **Devonian**

3. *Gelasinotarbus bifidus* Shear, Selden & Rolfe, 1987 ..... D Gilboa
4. *Gelasinotarbus bonamoae* Shear, Selden & Rolfe, 1987* ..... D Gilboa
5. *Gelasinotarbus heptops* Shear, Selden & Rolfe, 1987 ..... D Gilboa
6. *Gelasinotarbus reticulatus* Shear, Selden & Rolfe, 1987 ..... D Gilboa

† ***Gigantocharinus*** **Shear, 2000** ..... **Devonian**

7. *Gigantocharinus szatmaryi* Shear, 2000* ..... D Red Hill, USA

† ***Gilboarachne*** **Shear, Selden & Rolfe, 1987** ..... **Devonian**

8. *Gilboarachne griersoni* Shear, Selden & Rolfe, 1987* ..... D Gilboa

† ***Palaeocharinus*** **Hirst, 1923** ..... **Devonian**

= † *Palaeocharinoides* Hirst, 1923

9. *Palaeocharinus calmani* Hirst, 1923 ..... D Rhynie cherts
10. *Palaeocharinus hornei* (Hirst, 1923) ..... D Rhynie cherts
11. *Palaeocharinus kidstoni* Hirst, 1923 ..... D Rhynie cherts
12. *Palaeocharinus rhyniensis* Hirst, 1923* ..... D Rhynie cherts
13. *Palaeocharinus scourfieldi* Hirst, 1923 ..... D Rhynie cherts
14. *Palaeocharinus tuberculatus* Fayers, Dunlop & Trewin, 2005 ..... D Rhynie cherts

† ***Spinocharinus*** **Poschmann & Dunlop, 2011** ..... **Devonian**

15. *Spinocharinus steinmeyeri* Poschman & Dunlop, 2011* ..... D Bürdenbach

† **ARCHAEOMARTIDAE Poschmann & Dunlop, 2010** ..... **Devonian**

† ***Archaeomartus*** **Størmer, 1970** ..... **Devonian**

16. *Archaeomartus levis* Størmer, 1970* ..... D Alken an der Mosel
    i. = *Archaeomartus tuberculatus* Størmer, 1970 ..... D Alken an der Mosel

† **ANTHRACOMARTIDAE Haase, 1890** ..... **Carboniferous**

= † PROMYGALIDAE Frič, 1904

= † BRACHYPYGIDAE Pocock, 1911

= † CORYPHOMARTIDAE Petrunkevitch, 1945

= † PLEOMARTIDAE Petrunkevitch, 1945

† ***Anthracomartus*** **Karsch, 1882** ..... **Carboniferous**

= † *Brachylycosa* Frič, 1904

= † *Cleptomartus* Petrunkevitch, 1949

= † *Coryphomartus* Petrunkevitch, 1945*a*

= † *Cryptomartus* Petrunkevitch, 1945*a*

= † *Oomartus* Petrunkevitch, 1953

= † *Perneria* Frič, 1904

= † *Pleomartus* Petrunkevitch, 1945*a*

= † *Promygale* Frič, 1901

17. *Anthracomartus bohemica* (Frič, 1901) ..... C Nýřany
18. *Anthracomartus carcinoides* (Frič, 1901) ..... C Nýřany
    i. = *Promygale rotundata* Frič, 1901 ..... C Nýřany
    ii. = *Perneria salticoides* Frič, 1904 ..... C ?Nýřany
19. *Anthracomartus elegans* Frič, 1901 ..... C Nýřany
20. *Anthracomartus hindi* Pocock, 1911 ..... C Coseley
    i. = *Cleptomartus hangardi* Guthörl, 1965 ..... C Saar, Germany
    ii. = *Cryptomartus meyeri* Guthörl, 1964 ..... C Aachen
    iii. = *Cleptomartus planus* Petrunkevitch, 1949 ..... C Coseley
    iv. = *Cryptomartus rebskei* Brauckmann, 1984 ..... C Saarbrücken
21. *Anthracomartus granulatus* Frič, 1904 ..... C Nowa Ruda
22. *Anthracomartus janae* (Opluštil, 1986) ..... C Kladno
23. *Anthracomartus kustae* Petrunkevitch, 1953 ..... C Rakovník
24. *Anthracomartus minor* Kušta, 1884 ..... C Rakovník
    i. = *Anthracomartus socius* Kušta, 1888 ..... C Rakovník
25. *Anthracomartus nyranensis* (Petrunkevitch, 1953) ..... C Nýřany
26. *Anthracomartus palatinus* Ammon, 1901 ..... C Brücken, Germany
27. *Anthracomartus preisti* Pocock, 1911 ..... C Coseley
    i. = *Anthracomartus denuiti* Pruvost, 1922 ..... C Charleroi
    ii. = *Cleptomartus plautus* Petrunkevitch, 1949 ..... C Coseley
28. *Anthracomartus radvanicensis* (Opluštil, 1985) ..... C Radvanice
29. *Anthracomartus triangularis* Petrunkevitch, 1913 ..... C Joggins
30. *Anthracomartus trilobitus* Scudder, 1884 ..... C Fayetteville
31. *Anthracomartus voelkelianus* Karsch, 1882* ..... C Europe

    *Anthracomartus* sp. *in* Wright & Selden (2011) ..... C Kansas

† ***Brachypyge*** **Woodward, 1878*b*** ..... **Carboniferous**

32. *Brachypyge carbonis* Woodward, 1878*b** ..... C Mons

† ***Maiocercus*** **Pocock, 1911** ..... **Carboniferous**

33. *Maiocercus celticus* (Pocock, 1902)* ..... C Coal Measures

i. = *Maiocercus orbicularis* Gill, 1911 ..... C Westhoughton

† **ANTHRACOSIRONIDAE Pocock, 1903*a*** ..... **Devonian – Carbon.**

† ***Anthracosiro*** **Pocock, 1903*a*** ..... **Carboniferous**

34. *Anthracosiro fritschii* Pocock, 1903*b* ..... C Coseley

i. = *Anthracosiro elongatus* Waterlot, 1934 ..... C Marlebach, France

35. *Anthracosiro woodwardi* Pocock, 1903*a** ..... C Coal Measues

i. = *Anthracosiro corsini* Pruvost, 1926 ..... C Noeux, France

ii. = *Anthracosiro latipes* Gill, 1909 ..... C Ryton-on-Tyne, UK

† ***Arianrhoda*** **Dunlop & Selden, 2004** ..... **Devonian**

36. *Arianrhoda bennetti* Dunlop & Selden, 2004* ..... D Tredomen

† ***Vratislavia*** **Frič, 1904** ..... **Carboniferous**

37. *Vratislavia silesica* (Roemer, 1878)* ..... C Silesia

† **TRIGONOTARBIDAE Petrunkevitch, 1949** ..... **Devonian – Carbon.**

† ***Trigonotarbus*** **Pocock, 1911** ..... **Devonian – Carbon.**

38. *Trigonotarbus arnoldi* Petrunkevitch, 1955*b* ..... C Decazeville

39. *Trigonotarbus johnsoni* Pocock, 1911* ..... C Coseley

40. *Trigonotarbus stoermeri* Schultka, 1991 ..... D Rheinischen Schief.

**Family uncertain**

† ***Aenigmatarbus*** **Poschmann, Dunlop, Bértoux & Galtier, 2016** ..... **Carboniferous**

41. *Aenigmatarbus rastelli* Poschmann, Dunlop, Bértoux & Galtier, 2016* .. C Graissessac, France

† ***Namurotarbus*** **Poschmann & Dunlop, 2010** ..... **Carboniferous**

42. *Namurotarbus roessleri* (Dunlop & Brauckmann, 2006)* ..... C Hagen-Vorhalle

† ***Permotarbus*** **Dunlop & Rößler, 2013** ..... **Permian**

43. *Permotarbus schuberti* Dunlop & Rößler, 2013 ..... P Chemnitz

† ***Tynecotarbus*** **Hradská & Dunlop, 2013** ..... **Carboniferous**

44. *Tynecotarbus tichaveki* Hradská & Dunlop, 2013 ..... C Týnec

† **LISSOMARTIDAE Dunlop, 1995** ..... **Carboniferous**

† ***Lissomartus*** **Petrunkevitch, 1949** ..... **Carboniferous**

45. *Lissomartus carbonarius* (Petrunkevitch, 1913) ..... C Mazon Creek

46. *Lissomartus schucherti* (Petrunkevitch, 1913)* ..... C Mazon Creek

† **APHANTOMARTIDAE Petrunkevitch, 1945*a*** ..... **Devonian – Permian**

= † TRIGONOMARTIDAE Petrunkevitch, 1949

† ***Alkenia*** **Størmer, 1970** ..... **Devonian**

47. *Alkenia mirabilis* Størmer, 1970* ..... D Alken an der Mosel

† ***Aphantomartus*** **Pocock, 1911** ..... **Carbon. – Permian**

= † *Trigonomartus* Petrunkevitch, 1913

= † *Phrynomartus* Petrunkevitch, 1945*a*

48. *Aphantomartus areolatus* Pocock, 1911* ..... C–P Coal Measues
    i. = *Aphantomartus pococki* Pruvost, 1912 ..... C Anzin, France
    ii. = *Trigonomartus dorlodoti* Pruvost, 1930 ..... C Rien, France
    iii. = *Eophrynus waechteri* Guthörl, 1938 ..... C Saar
    iv. = ?*Trigonomartus pruvosti* van der Heide, 1951 ..... C Limbourg
    v. = ?*Brachylycosa manebachensis* Müller, 1957 ..... C Rotliegenden
49. *Aphantomartus ilfeldicus* (Scharf, 1924) ..... P Rotliegend
50. *Aphantomartus pustulatus* (Scudder, 1884) ..... C Coal Measures
    i. = ?*Kreischeria villeti* Pruvost, 1912 ..... C Pas de Calais
    ii. = *Cleptomartus plötzensis* Simon, 1971 ..... C Halleschen Mulde

† **KREISCHERIIDAE Haase, 1890** ..... **Carboniferous**

† ***Anzinia* Petrunkevitch, 1953** ..... **Carboniferous**

51. *Anzinia thevenini* (Pruvost, 1919)* ..... C Anzin

† ***Gondwanarache* Pinto & Hünicken, 1980** ..... **Carboniferous**

52. *Gondwanarache argentinensis* Pinto & Hünicken, 1980* ..... C Bajo de Véliz

† ***Hemikreischeria* Frič, 1904** ..... **Carboniferous**

53. *Hemikreischeria geinitzi* (Thevenin, 1902)* ..... C France

† ***Kreischeria* Geinitz, 1882** ..... **Carboniferous**

54. *Kreischeria wiedei* Geinitz, 1882* ..... C Zwickau

† ***Pseudokreischeria* Petrunkevitch, 1953** ..... **Carboniferous**

55. *Pseudokreischeria pococki* (Gill, 1924) ..... C Crawcrook
    i. = *Eophrynus varius* Petrunkevitch, 1949 ..... C Crawcrook

† **EOPHRYNIDAE Karsch, 1882** ..... **Carboniferous**

= † HEMIPHRYNIDAE Frič, 1904

† ***Eophrynus* Woodward, 1871*b*** ..... **Carboniferous**

56. *Eophrynus prestvicii* (Buckland, 1837)* ..... C Coalbrookdale
57. *Eophrynus udus* Brauckmann, Koch & Kemper, 1985 ..... C Hagen-Vorhalle

† ***Nyranytarbus* Harvey & Selden, 1995** ..... **Carboniferous**

= † *Hemiphrynus* Frič, 1901 [preoccupied]

58. *Nyranytarbus hofmanni* (Frič, 1901) ..... C Nýřany
59. *Nyranytarbus longipes* (Frič, 1901)* ..... C Nýřany

† ***Petrovicia* Frič, 1904** ..... **Carboniferous**

60. *Petrovicia proditoria* Frič, 1904* ..... C Petrovice

† ***Planomartus* Petrunkevitch, 1953** ..... **Carboniferous**

61. *Planomartus krejcii* (Kušta, 1883)* ..... C Rakovník
    i. = *Anthracomartus affinis* Kušta, 1885 ..... C Rakovník

† ***Pleophrynus* Petrunkevitch, 1945*a*** ..... **Carboniferous**

62. *Pleophrynus verrucosus* (Pocock, 1911) ..... C Coal Measures

i. = *Eophrynus warei* Dix & Pringle, 1930 ..... C Glyncoch, UK
ii. = *Pleophrynus ensifer* Petrunkevitch, 1945*a** ..... C Mazon Creek
iii. = *Eophrynus jugatus* Ambrose & Romano, 1972 ..... C Kilmersdon, UK

63. *Pleophrynus hawsei* Dunlop, Wang, Selden & Krautz, 2014..... C Kinney Brick Quarry

† ***Pocononia*** **Petrunkevitch, 1953** ..... **Carboniferous**

64. *Pocononia whitei* (Ewing, 1930)* ..... C Pocono Shales

† ***Somaspidion*** **Jux, 1982** ..... **Carboniferous**

65. *Somaspidion hammapheron* Jux, 1982* ..... C Dinslaken

† ***Stenotrogulus*** **Frič, 1904** ..... **Carboniferous**

= † *Cyclotrogulus* Frič, 1904
= † *Pseudoeophrynus* Příbyl, 1958

66. *Stenotrogulus salmii* (Stur, 1877)* ..... C Ostrava
i. = *Cyclotrogulus sturii* Frič, 1904 [*non* Hasse, 1890] ..... C Ostrava
ii. = *Pseudoeophrynus ostraviensis* Příbyl, 1958 ..... C Ostrava

TRIGONOTARBIDA *incertae sedis*

† ***Anthracophrynus*** **Andrée, 1913** ..... **Carboniferous**

67. *Anthracophrynus tuberculatus* Andrée, 1913* ..... C Dudweiler

† ***Areomartus*** **Petrunkevitch, 1913** ..... **Carboniferous**

68. *Areomartus ovatus* Petrunkevitch, 1913* ..... C West Virginia

† **‘*Eophrynus*’**

69. ‘*Eophrynus*’ *scharfi* Scharf, 1924 ..... P Rotliegend

† ***Aphantomartus*** **Pocock, 1911** ..... **Carboniferous**

70. *Aphantomartus woodruffi* (Scudder, 1893) ..... C Rhode Island
as*Trigonomartus*

*NOMINA DUBIA*

1. *Anthracomartus buchi* (Goldenberg, 1873) ..... C Saarbrücken
2. *Anthracomartus hageni* (Goldenberg, 1873) ..... C Saarbrücken
3. *Elaverimartus pococki* Petrunkevitch, 1953 ..... C Ellismuir
i. = *Palaeophalangium Scoticum* Peach *in* Murdoch, 1893 [*nomen nudum*]
4. *Eurymartus latus* Matthew, 1895 ..... C Fern Ledges
5. ?*Eurymartus spinulosus* Matthew, 1895 ..... C Fern Ledges

no Recent species

# URARANEIDA

2 currently valid species of uraraneid

- The two 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

1,397 currently valid species of fossil spider

**ARANEAE Clerck, 1757** ..... **Carbon. – Recent**

Wunderlich (2019) suggested dividing an order Araneida into two suborders: Chimerarachnida and Araneae

† **CHIMERARACHNIDAE Wunderlich, 2019** ..... **Cretaceous**

† ***Chimerarachne* Wang *et al*., 2018** ..... **Cretaceous**

1. *Chimerarachne yingi* Wang *et al*., 2018* ..... K Burmese amber

   Wang *et al*. (2018) suggested this is a basal spider with a tail, while a companion paper by Huang *et al*. (2018) resolved it closer to uraraneids

**'mesotheles'** ..... **Carbon. – Recent**

† **ARTHROLYCOSIDAE Frič, 1904** ..... **Carboniferous**

† ***Arthrolycosa* Harger, 1874** ..... **Carbon. – Permian**

2. *Arthrolycosa antiqua* Harger, 1874* ..... C Mazon Creek
3. *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**

4. *Eocteniza silvicola* Pocock, 1911* ..... C Coseley

† **ARTHROMYGALIDAE Petrunkevitch, 1923** ..... **Carboniferous**

† ***Arthromygale* Petrunkevitch, 1923** ..... **Carboniferous**

5. *Arthromygale fortis* (Frič, 1904)* ..... C Rakovník

   i. = *Arthrolycosa beecheri* Frič, 1904 ..... C Rakovník

† ***Eolycosa* Kušta, 1885** ..... **Carboniferous**

6. *Eolycosa lorenzi* Kušta, 1885* ..... C Rakovník

† ***Geralycosa* Kušta, 1888** ..... **Carboniferous**

7. *Geralycosa fritschi* Kušta, 1888* ..... C Rakovník

† ***Kustaria* Petrunkevitch, 1953** ..... **Carboniferous**

= † *Scudderia* Kušta, 1888 [preoccupied]

8. *Kustaria carbonaria* (Kušta, 1888)* ..... C Rakovník

† ***Palaranea* Frič, 1873** ..... **Carboniferous**

9. *Palaranea borassifoliae* Frič, 1873* ..... C Czech Republic

† ***Protocteniza* Petrunkevitch, 1949** ..... **Carboniferous**

10. *Protocteniza britannica* Petrunkevitch, 1949* ..... C Coseley

† ***Protolycosa* Roemer, 1866** ..... **Carboniferous**

11. *Protolycosa anthracophilia* Roemer, 1866* ..... C Silesia
12. *Protolycosa cebennensis* Laurentiaux-Viera & Laurentiaux, 1963 ..... C Cévennes, France

† ***Rakovnicia* Kušta, 1884*a*** ..... **Carboniferous**

13. *Rakovnicia antiqua* Kušta, 1884*a** ..... C Rakovník

† **PYRITARANEIDAE Petrunkevitch, 1953** ..... **Carboniferous**

† ***Dinopilio* Frič, 1904** ..... **Carboniferous**

14. *Dinopilio gigas* Frič, 1904* ..... C Rakovník
15. *Dinopilo parvus* Petrunkevitch, 1953 ..... C Kent, UK

† ***Pyritaranea* Frič, 1901** ..... **Carboniferous**

16. *Pyritaranea tubifera* Frič, 1901* ..... C Nýřany

**MESOTHELAE Pocock, 1892** ..... **Carbon. – Recent**

Mesothelae indet. *in* Wunderlich (2017*c*) ..... K Burmese amber

**plesion genus**

† ***Palaeothele* Selden, 2000** ..... **Carboniferous**

= † *Eothele* Selden, 1996 [preoccupied]

17. *Palaeothele montceauensis* (Selden, 1996)* ..... C Montceau-les-Mines

† **EOMESOTHELIDAE Wunderlich, 2019** ..... **Cretaceous**

† ***Eomesothele* Wunderlich, 2019** ..... **Cretaceous**

18. *Eomesothele noninclinata* Wunderlich, 2019* ..... K Burmese amber

† ***Intermesothele* Wunderlich, 2019** ..... **Cretaceous**

19. *Intermesothelae pulcher* Wunderlich, 2019* ..... K Burmese amber

† **BURMATHELIDAE Wunderlich, 2017*c*** ..... **Cretaceous**

† ***Burmathele* Wunderlich, 2015*b*** ..... **Cretaceous**

20. *Burmathele biseriata* Wunderlich, 2017*c** ..... K Burmese amber

*Burmathele* sp. indet. *in* Wunderlich (2017*c*, 2019) ..... K Burmese amber

† **CRETACEOTHELIDAE Wunderlich, 2017*c*** ..... **Cretaceous**

† ***Cretaceothele* Wunderlich, 2015*b*** ..... **Cretaceous**

21. *Cretaceothele lata* Wunderlich, 2015*b** ..... K Burmese amber

† **PARVITHELIDAE Wunderlich, 2017*c*** ..... **Cretaceous**

† ***Parvithele* Wunderlich, 2017*c*** ..... **Cretaceous**

22. *Parvithele muelleri* Wunderlich, 2017*c** ..... K Burmese amber
23. *Parvithele spinipes* Wunderlich, 2017*c* ..... K Burmese amber

*Parvithele* sp. indet *in* Wunderlich (2017*c*, 2019) ..... K Burmese amber

† ***Pulvillothele* Wunderlich, 2017*c*** ..... **Cretaceous**

24. *Pulvillothele haupti* Wunderlich, 2017*c** ..... K Burmese amber

**LIPHISTIIDAE Pocock, 1892** ..... **Recent**

= HEPTATHELIDAE Haupt, 1983

no fossil record

## OPISTHOTHELAE Pocock, 1892 ..... Triassic – Recent

**Opisthothelae *incertae sedis***

† ***Eoatypus* McCook, 1888** ..... **Palaeogene**

25. *Eoatypus woodwardii* McCook, 1888* ..... Pa Isle of Wight

## MYGALOMORPHAE Pocock, 1892 ..... Triassic – Recent

Mygalomorpha indet. 1–3 *in* Wunderlich (2008*d*) ..... K Burmese amber

Mygalomorpha indet. 1–2 *in* Wunderlich (2015*b*) ..... K Burmese amber

Mygalomorpha indet. 1–2 *in* Wunderlich (2017*c*) ..... K Burmese amber

**ATYPOIDEA Thorell, 1870*a*** ..... **Triassic – Recent**

† ***Friularachne* Dalla Vecchia & Selden, 2013** ..... **Triassic**

26. *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**

27. *Ambiortiphagus ponomarenkoi* Eskov & Zonstein, 1990* ..... K Central Mongolia

***Atypus* Latreille 1804** ..... **Palaeogene – Recent**

= † *Balticatypus* Wunderlich, 2011*h*

28. *Atypus beigeli* (Wunderlich, 2011*h*) ..... Pa Baltic amber

29. *Atypus juvenis* (Wunderlich, 2011*h*) ..... Pa Baltic amber

30. *Atypus spinosus* (Wunderlich, 2011*h*) ..... Pa Baltic amber

*Atypus* sp. *in* Perkovsky *et al*. (2018) ..... Pa Rovno amber

**ANTRODIAETIDAE Gertsch *in* Comstock, 1940** ..... **Cretaceous – Recent**

= BRACHYBOTHRIDAE Simon, 1892

= ACCATYMIDAE Kishida, 1930

† ***Cretacattyma* Eskov & Zonstein, 1990** ..... **Cretaceous**

31. *Cretacattyma raveni* Eskov & Zonstein, 1990* ..... K Central Mongolia

**MECICOBOTHRIIDAE Holmberg, 1882** ..... **Cretaceous – Recent**

= HEXURIDAE Simon, 1889*b*

† ***Cretohexura* Eskov & Zonstein, 1990** ..... **Cretaceous**

32. *Cretohexura coylei* Eskov & Zonstein, 1990* ..... K Transbaikalia

† ***Cretomegahexura* Eskov & Zonstein, 1990** ..... **Cretaceous**

33. *Cretomegahexura platnicki* Eskov & Zonstein, 1990* ..... K Central Mongolia

**AVICULAROIDEA** Author, date ..... **Triassic – Recent**

**DIPLURIDAE Simon, 1889*b*** ..... **Triassic – Recent**

Dipluridae sp. 1–3 *in* Wunderlich (2004*a*) ..... Pa Baltic amber

Dipluridae sp. *in* Wunderlich (2004*a*) ..... Ne Dominican amber

Dipluridae indet. *in* Wunderlich (2012*d*) ..... K Burmese amber

Dipluridae indet. *in* Wunderlich (2015*b*) ..... K Burmese amber

† ***Cethegoides* Wunderlich, 2017*c*** ..... **Cretaceous**

34. *Cethegoides patricki* Wunderlich, 2017*c** ..... Pa Baltic / Bitt. amber

† ***Clostes* Menge, 1869** ..... **Palaeogene**

35. *Clostes priscus* Menge, 1869* ..... Pa Baltic / Bitt. amber

† ***Cretadiplura* Selden *in* Selden *et al*., 2006** ..... **Cretaceous**

36. *Cretadiplura ceara* Selden *in* Selden *et al*., 2006* ..... K Crato Formation

† ***Dinodiplura* Selden *in* Selden *et al*., 2006** ..... **Cretaceous**

37. *Dinodiplura ambulacra* Selden *in* Selden *et al*., 2006* ..... K Crato Formation

† ***Edwa* Raven, Jell & Knezour, 2015** ..... **Triassic**

38. *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

39. *Masteria sexoculata* (Wunderlich, 1988) ..... Ne Dominican amber

*?Masteria* sp. *in* Schawaller (1982*c*: as ?*Ischnothele*) ..... Ne Dominican amber

† ***Phyxioschemoides* Wunderlich, 2015*b*** ..... **Cretaceous**

40. *Phyxioschemoides collembola* Wunderlich, 2015*b** ..... K Burmese amber

† ***Seldischnoplura* Raven, Jell & Knezour, 2015** ..... **Cretaceous**

41. *Seldischnoplura seldeni* Raven, Jell & Knezour, 2015* ..... K Crato Formation

† **FOSSILCALCARIDAE Wunderlich, 2015*b*** ..... **Cretaceous**

† ***Fossilcalcar* Wunderlich, 2015*b*** ..... **Cretaceous**

42. *Fossilcalcar praeteritus* Wunderlich, 2015*b** ..... K Burmese amber

**HEXATHELIDAE Simon, 1892*b*** ..... **Triassic – Recent**

† ***Alioatrx* Wunderlich, 2017*c*** ..... **Cretaceous**

43. *Alioatrax incertus* Wunderlich, 2017*c** ..... K Burmese amber

† ***Rosamygale* Selden & Gall, 1992** ..... **Triassic**

44. *Rosamygale grauvogeli* Selden & Gall, 1992* ..... Tr Vosges, France

**CTENIZIDAE Thorell, 1887** ..... **Palaeogene – Recent**

= HALONOPROCTIDAE Pocock, 1903

† ***Baltocteniza* Eskov & Zonstein, 2000** ..... **Palaeogene**

45. *Baltocteniza kulickae* Eskov & Zonstein, 2000 ..... Pa Baltic amber

† ***Electrocteniza*** **Eskov & Zonstein, 2000** ..... **Palaeogene**

46. *Electrocteniza sadilenkoi* Eskov & Zonstein, 2000 ..... Pa Baltic amber

***Ummidia*** **Thorell, 1875** ..... **Palaeogene – Recent**

47. *Ummidia damzeni* Wunderlich, 2000 ..... Pa Baltic amber

48. *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

**CYRTAUCHENIIDAE Simon, 1892*b*** ..... **Neogene – Recent**

***Bolostromus*** **Ausserer, 1875** ..... **Neogene – Recent**

49. *Bolostromus destructus* Wunderlich, 1988 ..... Ne Dominican amber

**BARYCHELIDAE Simon, 1889*b*** ..... **Neogene – Recent**

***Psalistops*** **Simon, 1889*b*** ..... **Neogene – Recent**

50. *Psalistops hispaniolensis* Wunderlich, 1988* ..... Ne Dominican amber

**THERAPHOSIDAE Thorell, 1870*a*** ..... **Neogene – Recent**

= AVICULARIIDAE Simon, 1874

Theraphosidae gen. et sp. indet. *in* Dunlop *et al.* (2008) ..... Ne Chiapas amber

***Hemirraghus*** **Simon, 1903** ..... **Neogene – Recent**

*Hemirraghus* sp. *in* García-Villafuerte (2008) ..... Ne Chiapas amber

† ***Ischnocolinopsis*** **Wunderlich, 1988** ..... **Neogene**

51. *Ischnocolinopsis acutus* Wunderlich, 1988* ..... Ne Dominican amber

**NEMESIIDAE Simon, 1892*b*** ..... **Cretaceous – Recent**

= PYCNOTHELIDAE Chamberlin, 1917

† ***Cretamygale*** **Selden, 2002** ..... **Cretaceous**

52. *Cretamygale chasei* Selden, 2002* ..... K Isle of Wight

† ***Eodiplurina*** **Petrunkevitch, 1922** ..... **Palaeogene**

Selden (2001) questioned this familial placement based on claw structure

53. *Eodiplurina cockerelli* Petrunkevitch, 1922* ..... Pa Florissant

**MICROSTIGMATIDAE Roewer, 1942** ..... **Neogene – Recent**

= MICROMYGALIDAE Wunderlich, 2004*b*

† ***Parvomygale*** **Wunderlich, 2004*b*** ..... **Neogene**

54. *Parvomygale distincta* Wunderlich, 2004*b** ..... Ne Dominican amber

**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

**PARATROPIDIDAE Simon, 1889*a*** ..... **Recent**

no fossil record

**IDIOPIDAE Simon, 1892*b*** ..... **Recent**

no fossil record

**ARANEOMORPHAE Smith, 1902** ..... **Triassic – Recent**

**ARANEOMORPHAE indet.**

† ***Argyrarachne* Selden *in* Selden *et al*., 1999** ..... **Triassic**

55. *Argyrarachne solitus* Selden *in* Selden *et al*., 1999* ..... Tr Virginia

† ***Triassaraneus* Selden *in* Selden *et al*., 1999** ..... **Triassic**

56. *Triassaraneus andersonorum* Selden *in* Selden *et al*., 1999* ..... Tr KwaZulu-Natal

**HYPOCHILIDAE Marx, 1888** ..... **Recent**

= ECTATOSTICTIDAE Lehtinen, 1967

no fossil record

**FILISTATIDAE Ausserer, 1867** ..... **Neogene – Recent**

***Antilloides* Brescovit, Sánchez-Ruiz & Alayón, 2016** ..... **Neogene – Recent**

57. *Antilloides didicostae* (Penney, 2005*a*) ..... Ne Dominican amber

**SYNSPERMIATA Michalik & Ramírez, 2014** ..... **Jurassic – Recent**

**TROGLORAPTORIDAE Griswold, Audisio & Ledford, 2012** ..... **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

58. *Nops lobatus* Wunderlich, 1988 ..... Ne Dominican amber

59. *Ariadna copalis* Wunderlich, 2008*a* ..... Qt ?Madagascan copal

i. = *Nops segmentatus* Wunderlich, 1988 ..... Ne Dominican amber

**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 (2008d) ..... K Burmese amber

***Ariadna* Audouin, 1826** ..... **Palaeogene – Recent**

60. *Ariadna copalis* Wunderlich, 2008*a* ..... Qt ?Madagascan copal
61. *Ariadna copalis* Wunderlich, 2008*a* ..... Qt ?Madagascan copal
62. *Ariadna defuncta* Wunderlich, 2004*c* ..... Pa Bitterfeld amber
63. *Ariadna hintzei* Wunderlich, 2004*as* ..... Qt Madagascan copal
64. *Ariadna ovalis* Wunderlich, 2008*a* ..... Pa Baltic amber
65. *Ariadna parva* Wunderlich, 2008*a* ..... Pa Baltic amber
66. *Ariadna paucispinosa* Wunderlich, 1988 ..... Ne Dominican amber
67. *Ariadna resinae* Hickman, 1957 ..... Ne? Australian copal

?*Ariadna* sp. *in* Wunderlich (1988) ..... Ne Dominican amber

† ***Denticulsegestria* Wunderlich, 2015*b*** ..... **Cretaceous**

68. *Denticulsegestria rugosa* Wunderlich, 2015*b** ..... K Burmese Amber

† ***Jordariadna* Wunderlich, 2015*b*** ..... **Cretaceous**

69. *Jordanariadna amissiocoli* (Wunderlich, 2008d)* ..... K Jordanian Amber

† ***Jordansegestria* Wunderlich 2015*b*** ..... **Cretaceous**

70. *Jordansegestria detruneo* Wunderlich, 2015*b** ..... K Jordanian Amber

† ***Lebansegestria* Wunderlich, 2008*d*** ..... **Cretaceous**

71. *Lebansegestria azari* Wunderlich, 2008*d** ..... K Lebanese amber

† ***Microsegestria* Wunderlich & Milki, 2004** ..... **Cretaceous**

72. *Microsegestria poinari* Wunderlich & Milki, 2004* ..... K Lebanese amber

† ***Myansegestria* Wunderlich, 2015*b*** ..... **Cretaceous**

73. *Myansegestria caederens* Wunderlich 2015*b* ..... K Burmese Amber
74. *Myansegestria engin* Wunderlich, 2015*b** ..... K Burmese Amber

† ***Palaeosegestria* Penney, 2004*a*** ..... **Cretaceous**

75. *Palaeosegestria lutzzii* Penney, 2004*a** ..... K New Jersey amber

† ***Parvosegestria* Wunderlich, 2015*b*** ..... **Cretaceous**

76. *Parvosegestria longitibialis* Wunderlich, 2015*b* ..... K Burmese Amber
77. *Parvosegestria obscura* Wunderlich, 2015*b** ..... K Burmese Amber
78. *Parvosegestria pintgu* Wunderlich, 2015*b* ..... K Burmese Amber
79. *Parvosegestria triplex* Wunderlich, 2015*b* ..... K Burmese Amber

***Segestria* Latreille, 1804*a*** ..... **Cretaceous – Recent**

80. *Segestria cristata* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber
81. *Segestria flexio* Wunderlich, 2004*c* ..... Pa Baltic amber
82. *Segestria mortalis* Wunderlich 2004*c* ..... Pa Baltic amber
83. *Segestria plicata* Petrunkevitch, 1950 ..... Pa Baltic amber
84. *Segestria scudderi* Petrunkevitch, 1922 ..... Pa Florissant
85. *Segestria secessa* Scudder, 1890*a* ..... Pa Florissant
86. *Segestria succinei* Berland, 1939 ..... Pa Baltic amber
87. *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**

88. *Vetsegestria quinquespinosa* Wunderlich, 2004*c** ..... Pa Baltic / Bitter. Amber

**OONOPIDAE Simon, 1890** ..... **Cretaceous – Recent**

Oonopidae gen. et sp. *in* Penney (2002) ..... K New Jersey amber

† ***Burmorchestina* Wunderlich, 2008*a*** ..... **Cretaceous**

89. *Burmorchestina acuminata* Wunderlich, 2017*c* ..... K Burmese amber

90. *Burmorchestina biangulata* Wunderlich, 2017*c* ..... K Burmese amber

91. *Burmorchestina plana* Wunderlich, 2017*c* ..... K Burmese amber

92. *Burmorchestina pulcher* Wunderlich, 2008*a** ..... K Burmese amber

93. *Burmorchestina pulcheroides* Wunderlich, 2017*c* ..... K Burmese amber

94. *Burmorchestina tuberosa* Wunderlich, 2017*c* ..... K Burmese amber

*Burmorchestina* sp. indet. *in* Wunderlich (2017*c*) ..... K Burmese amber

† ***Canadaorchestina* Wunderlich, 2008a** ..... **Cretaceous**

95. *Canadaorchestina albertenis* (Penney, 2006*a*)* ..... K Canadian amber

† ***Fossilopaea* Wunderlich, 1988** ..... **Neogene**

96. *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**

97. *Orchestina* (*Baltorchestina*) *angulata* Wunderlich, 2012*f*

[replacement name] ..... Pa Bitterfeld amber

i. = *Orchestina* (*B.*) *rectangulata* Wunderlich, 2011*h* [preoccupied]

98. *Orchestina baltica* Petrunkevitch, 1942 ..... Pa Baltic amber

99. *Orchestina* (*Baltorchestina*) *bitterfeldensis* Wunderlich, 2008*a* ..... Pa Bitterfeld amber

100. *Orchestina breviembolus* Wunderlich, 1981 ..... Pa Baltic amber

101. *Orchestina* (*Baltorchestina*) *brevis* Wunderlich, 2008*a* ..... Pa Baltic / Bitter. Amber

102. *Orchestina crassiembolus* Wunderlich, 1981 ..... Pa Baltic amber

103. *Orchestina* (*Baltorchestina*) *crassipatellaris* Wunderlich, 1981 ..... Pa Baltic amber

104. *Orchestina* (*Baltorchestina*) *crassitibialis* Wunderlich, 1981 ..... Pa Baltic amber

105. *Orchestina* (*Baltorchestina*) *colchembolus* Wunderlich, 1981 ..... Pa Baltic amber

106. *Orchestina colombiensis* Wunderlich, 2004*at* ..... Qt Colombian copal

107. *Orchestina dominicana* Wunderlich, 1981 ..... Ne Dominican amber

108. *Orchestina forceps* Wunderlich, 1981 ..... Pa Baltic amber

109. *Orchestina* (*Baltorchestina*) *forfex* Wunderlich, 2011*h* ..... Pa Baltic amber

110. *Orchestina* (*Baltorchestina*) *furca* Wunderlich, 1981 ..... Pa Baltic amber

111. *Orchestina fushunensis* Wunderlich, 2004*au* ..... Pa Fu Shun amber

112. *Orchestina gappi* Saupe *et al*., 2012 ..... K Archingeay amber
113. *Orchestina gracilitibialis* Wunderlich, 2004c ..... Pa Baltic amber
114. *Orchestina* (*Baltorchestina*) *imperialis* Wunderlich, 1981 ..... Pa Baltic amber
115. *Orchestina kenyana* Wunderlich, 1981 ..... Qt East African copal
116. *Orchestina longimana* Wunderlich, 1981 ..... Qt East African copal
117. *Orchestina madagascariensis* Wunderlich, 2004*as* ..... Qt Madagascan copa
118. *Orchestina mortua* Petrunkevitch, 1971 ..... Ne Chiapas amber
119. *Orchestina* (*Baltorchestina*) *multisetae* Wunderlich, 2008*a* ..... Pa Baltic amber
120. *Orchestina* (*Gallorchestina*) *parisiensis* Penney, 2007*b* ..... Pa Le Quesnoy amber
121. *Orchestina* (*Baltorchestina*) *perfecta* Wunderlich, 2008*a* ..... Pa Baltic amber
122. *Orchestina pusilla* (Menge *in* C. L. Koch & Berendt, 1854) ..... Pa Baltic amber
123. *Orchestina rabagensis* Saupe *et al*., 2012 ..... K El Soplao amber
124. *Orchestina* (*Baltorchestina*) *rectangulata* Wunderlich, 2008*a* ..... Pa Baltic amber
125. *Orchestina sakhalinensis* Marusik, Perkovsky & Eskov, 2018 ..... Pa Sakhalinian amber
126. *Orchestina* (*Baltorchestina*) *sternalis* Wunderlich, 2008*a* ..... Pa Baltic amber
127. *Orchestina tibialis* Wunderlich, 1988 ..... Ne Dominican amber
128. *Orchestina truncata* Wunderlich, 2004*at* ..... Qt Colombian copal
129. *Orchestina tuberosa* Wunderlich, 1981 ..... Pa Baltic amber
*Orchestina* sp. *in* Nishikawa (1974) ..... Qt Mizunami copal
*Orchestina* sp. *in* Penney (2006) ..... K Burmese amber
*Orchestina* sp. *in* Saupe *et al*. (2012) ..... K Álava amber
*Orchestina* sp. *in* Soriano *et al*. (2010) ..... K San Just amber
*Orchestina* sp. *in* Wunderlich (2011*h*) ..... Pa Bitterfeld amber

***Stenoonops* Simon, 1891** ..... **Palaeogene – Recent**

130. *Stenoonops incertus* (Wunderlich, 1988) ..... Ne Dominican amber
131. ?*Stenoonops rugosus* Wunderlich, 2004*c* ..... Pa Bitterfeld amber
132. *Stenoonops seldeni* (Penney, 2000) ..... Ne Dominican amber

**ORSOLOBIDAE Cooke, 1965** ..... **Recent**

no fossil record

† **PLUMORSOLIDAE Wunderlich, 2008d** ..... **Cretaceous**

?Plumorsolidae indet. *in* Wunderlich (2008*d*) ..... K Burmese amber
?Plumorsolidae indet. *in* Wunderlich (2011*i*) ..... K Burmese amber

† ***Burmorsolus* Wunderlich, 2015*b*** ..... **Cretaceous**

133. *Burmorsolus nonplumosus* Wunderlich, 2015*b** ..... K Burmese amber
*Burmorsolus* sp. indet. *in* Wunderlich (2015*b*) ..... K Burmese amber

† ***Plumorsolus* Wunderlich, 2008*d*** ..... **Cretaceous**

134. *Plumorsolus gondwanensis* Wunderlich, 2008*d* ..... K Lebanese amber

† ***Pseudorsolus* Wunderlich, 2017*c*** ..... **Cretaceous**

135. *Pseudorsolus crassus* (Wunderlich, 2015*b*)* ..... K Burmese amber

**DYSDERIDAE C. L. Koch, 1837** ..... **Palaeogene – Recent**

† ***Dasumiana* Wunderlich, 2004c** ..... **Palaeogene**

136. *Dasumiana emicans* Wunderlich, 2004*c** ..... Pa Baltic amber

137. ?*Dasumiana subita* (Petrunkevitch, 1958) ..... Pa Baltic amber

138. *Dasumiana valga* Wunderlich, 2004*c* ..... Pa Baltic amber

***Dysdera* Latreille, 1804** ..... **Palaeogene – Recent**

139. *Dysdera dilatata* Zhang, Sun & Zhang, 1994 ..... Ne Shanwang

***Harpactea* Bristowe, 1939** ..... **Palaeogene – Recent**

140. *Harpactea communis* Wunderlich, 2004*c* ..... Pa Baltic amber

141. *Harpactea extincta* Petrunkevitch, 1950 ..... Pa Baltic amber

142. *Harpactea hombergi* (Scopoli, 1763) **[Recent]** ..... Qt England

143. *Harpactea longibulbus* Wunderlich, 2011*h* ..... Pa Baltic amber

144. *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**

145. *Segistriites cromei* Straus, 1967* ..... Ne Willershausen

**Dysderidae?**

† ***Mistura* Petrunkevitch, 1971** ..... **Neogene**

146. *Mistura perplexa* Petrunkevitch, 1971* ..... Ne Chiapas amber

**SCYTODOIDEA Blackwall, 1864** ..... **Cretaceous – Recent**

**SICARIIDAE Keyserling, 1880*a*** ..... **Neogene – Recent**

= LOXOSCELIDAE Simon, 1893

***Loxosceles* Heineken & Lowe, 1832** ..... **Neogene – Recent**

147. *Loxosceles aculicaput* Wunderlich, 2004*c* ..... Ne Dominican amber

148. *Loxosceles defecta* Wunderlich, 1988 ..... Ne Dominican amber

149. *Loxosceles deformis* Wunderlich, 1988 ..... Ne Dominican amber

*Loxosceles* sp. *in* Wunderlich (1988) ..... Ne Dominican amber

**DRYMUSIDAE Simon, 1893** ..... **Recent**

no fossil record

**PERIEGOPIDAE Simon, 1893** ..... **Recent**

no fossil record

**OCHYROCERATIDAE Fage, 1912 *s. l.* [incl. PSILODERCINAE]** ..... **Cretaceous – Recent**

Wunderlich (2015*b*, 2017*c*) recognised Psilodercidae as a distinct family

?Eopsilodercidae indet. 1–3 *in* Wunderlich (2008*d*) ..... K Burmese amber

† ***Aculeatosoma* Wunderlich, 2017*c*** ..... **Cretaceous**

150. *Aculeatosoma pyritmutatio* Wunderlich, 2017*c* ..... K Burmese amber

† ***Arachnolithulus* Wunderlich, 1988** ..... **Neogene**

151. *Arachnolithulus longipes* Wunderlich, 2004*c* ..... Ne Dominican amber
152. *Arachnolithulus pygmaeus* Wunderlich, 1988* ..... Ne Dominican amber
?*Arachnolithulus* sp. *in* Wunderlich (1988) ..... Ne Dominican amber

† ***Priscaleclercera* Wunderlich, 2017*c*** ..... **Cretaceous**

153. *Priscaleclercera brevispinae* Wunderlich, 2017*c*..... K Burmese amber
154. *Priscaleclercera ellenbergeri* Wunderlich, 2015*b**..... K Burmese amber
155. *Priscaleclercera longissipes* (Wunderlich, 2012*d*) ..... K Burmese amber
156. *Priscaleclercera paucispinae* Wunderlich, 2017*c*..... K Burmese amber
157. *Priscaleclercera sexaculeata* (Wunderlich, 2015*b*)..... K Burmese amber
158. *Priscaleclercera spicula* (Wunderlich, 2012*d*) ..... K Burmese amber
*Priscaleclercera* sp. indet. *in* (Wunderlich, 2015*b*)..... K Burmese amber
*Priscaleclercera* sp. indet. *in* (Wunderlich, 2017*c*) ..... K Burmese amber

† ***Propterpsiloderces* Wunderlich, 2015*b***..... **Cretaceous**

159. *Propterpsiloderces longisetae* Wunderlich, 2015*b**..... K Burmese amber

**† EOPSILODERCIDAE Wunderlich, 2008*d***

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**

160. *Eopsiloderces filiformis* (Wunderlich, 2012*d*) ..... K Burmese amber
161. *Eopsiloderces loxosceloides* Wunderlich, 2008*d** ..... K Burmese amber
162. *Eopsiloderces serenitas* Wunderlich, 2015*b*..... K Burmese amber
*Eopsiloderces* sp. indet. *in* Wunderlich (2015*b*) ..... K Burmese amber

† ***Loxoderces* Wunderlich, 2017*c*** ..... **Cretaceous**

163. *Loxoderces curvatus* Wunderlich, 2017*c* ..... K Burmese amber
164. *Loxoderces longicymbium* Wunderlich, 2017*c** ..... K Burmese amber
165. *Loxoderces rectus* Wunderlich, 2017*c* ..... K Burmese amber

† ***Praepholcus* Wunderlich, 2017*c*** ..... **Cretaceous**

166. *Praepholcus huberi* Wunderlich, 2017*c** ..... K Burmese amber

**SCYTODIDAE Blackwall, 1864** ..... **Cretaceous – Recent**

Syctodidae sp. 1–2 *in* Wunderlich (2004*b*) ..... Pa Bitterfeld amber

***Scytodes* Latreille, 1804a** ..... **?Cretaceous – Recent**

167. ?*Scytodes hani* Wunderlich, 2012*d* ..... K Jordanian amber
168. *Scytodes marginalis* Wunderlich, 2004*as* ..... Qt Madagascan copal
169.*Scytodes piliformis* Wunderlich, 1988 ..... Ne Dominican amber
170. *Scytodes planithorax* Wunderlich, 1988 ..... Ne Dominican amber
171. *Scytodes stridulans* Wunderlich, 1988 ..... Ne Dominican amber
172. *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

**LOST TRACHEA CLADE**

**TETRABLEMMIDAE O. P.-Cambridge, 1873** ..... **Cretaceous – Recent**

= PHAEDOMOIDAE Thorell, 1890 [based on a generic homonym]

= PACULLIDAE Simon, 1894

Tetrablemmidae gen. indet. *in* Wunderlich (2012*d*) ..... K Burmese amber

Tetrablemmidae ?gen. sp. indet. *in* Wunderlich, 2015*b*..... K Burmese amber

Tetrablemminae indet. in Wunderlich, 2017*c*..... K Burmese amber

† ***Balticoblemma*** **Wunderlich, 2004*c*** ..... **Palaeogene**

173. *Balticoblemma unicorniculum* Wunderlich, 2004*c** ..... Pa Baltic amber

† ***Bicornoculus*** **Wunderlich, 2015*b***..... **Cretaceous**

174. *Bicornoculus levis* Wunderlich, 2015*b**..... K Burmese amber

?*Bicornoculus* sp. *in* Wunderlich, 2015*b*..... K Burmese amber

† ***Brignoliblemma*** **Wunderlich, 2017*c*** ..... **Cretaceous**

175. *Brignoliblemma bizarre* Wunderlich, 2017*c*..... K Burmese amber

176. *Brignoliblemma nala* Wunderlich, 2017*c** ..... K Burmese amber

177. *Brignoliblemma paranala* Wunderlich, 2017*c* ..... K Burmese amber

† ***Cymbioblemma*** **Wunderlich, 2017*c*** ..... **Cretaceous**

178. *Cymbioblemma corniger* Wunderlich, 2017*c** ..... K Burmese amber

† ***Electroblemma*** **Selden, Zhang & Ren, 2016** ..... **Cretaceous**

179. *Electroblemma bifida* Selden, Zhang & Ren, 2016*..... K Burmese amber

† ***Eogamasomorpha*** **Wunderlich, 2008*d*** ..... **Cretaceous**

= † *Eoscaphiella* Wunderlich, 2011i

180. ?*Eogamasomorpha clara* Wunderlich, 2015*b*..... K Burmese amber

181. *Eogamasomorpha hamata* Wunderlich, 2017*c*..... K Burmese amber

182. *Eogamasomorpha nubila* Wunderlich, 2008*d** ..... K Burmese amber

183. *Eogamasomorpha ohlhoffi* (Wunderlich, 2011*i*) ..... K Burmese amber

184. ?*Eogamasomorpha unicornis* Wunderlich, 2017*c*..... K Burmese amber

*Eogamasomorpha* sp. indet. *in* Wunderlich (2017*c*) ..... K Burmese amber

† ***Furcembolus*** **Wunderlich, 2008*d*** ..... **Cretaceous**

= † *Praeterpaculla* Wunderlich, 2015*b*

185. *Furcembolus andersoni* Wunderlich, 2008*d** ..... K Burmese amber

186. *Furcembolus armatura* (Wunderlich, 2015*b*)..... K Burmese amber

187. *Furcembolus biacuta* (Wunderlich, 2015*b*)..... K Burmese amber

188. *Furcembolus crassitibia* Wunderlich, 2017*c*..... K Burmese amber

189. *Furcembolus dissolata* (Wunderlich, 2015*b*)..... K Burmese amber

190. *Furcembolus equester* (Wunderlich, 2015*b*)..... K Burmese amber

191. *Furcembolus grossa* Wunderlich, 2017*c*..... K Burmese amber

192. *Furcembolus longior* Wunderlich, 2017*c*..... K Burmese amber

193. *Furcembolus tuberosa* (Wunderlich, 2015*b*)*..... K Burmese amber

† ***Longissithorax*** **Wunderlich, 2017*c*** ..... **Cretaceous**

194. *Longissithorax myanmarensis* Wunderlich, 2017*c**..... K Burmese amber

† ***Longithorax*** **Wunderlich, 2017*c*** ..... **Cretaceous**

195. *Longithorax furca* Wunderlich, 2017*c** ..... K Burmese amber

***Monoblemma*** **Gertsch, 1941** ..... **Neogene**

196. ?*Monoblemma spinosum* Wunderlich, 1988 ..... Ne Dominican amber

† ***Palpalpaculla*** **Wunderlich, 2017*c*** ..... **Cretaceous**

197. *Palpalpaculla pulcher* Wunderlich, 2017*c** ..... K Burmese amber

† ***Saetosoma*** **Wunderlich, 2012*d*** ..... **Cretaceous**

198. *Saetosoma filiembolus* Wunderlich, 2012*d** ..... K Burmese amber

† ***Uniscutosoma*** **Wunderlich, 2015*b*** ..... **Cretaceous**

199. *Uniscutosoma aberrans* Wunderlich, 2015*b** ..... K Burmese amber

**PLECTREURIDAE Simon, 1893** ..... **Jurassic – Recent**

† ***Eoplectreurys*** **Selden & Huang, 2010** ..... **Jurassic**

200. *Eoplectreurys gertschi* Selden & Huang, 2010* ..... J Daohugou

† ***Montsecarachne*** **Selden, 2014*a*** ..... **Cretaceous**

201. *Montsecarachne amicorum* Selden, 2014*a** ..... K El Montsec

erroneously cited as *amicus* in the abstract

† ***Palaeoplectreurys*** **Wunderlich, 2004c** ..... **Palaeogene**

202. *Palaeoplectreurys baltica* Wunderlich, 2004*c** ..... Pa Baltic amber

***Plectreurys*** **Simon, 1893** ..... **Neogene – Recent**

203. *Plectreurys pittfieldi* Penney, 2009 ..... Ne Dominican amber

**DIGUETIDAE F. O. P.-Cambridge, 1899** ..... **Recent**

no fossil record

**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**

204. ?*Coryssocnemis velteni* Wunderlich, 2004*c* ..... Ne Dominican amber

***Leptopholcus*** **Simon, 1893** ..... **Neogene**

205. *Leptopholcus kiskeya* Huber & Wunderlich, 2006 ..... Ne Dominican amber

***Modisimus*** **Simon, 1893** ..... **Neogene – Recent**

206. *Modisimus calcar* Wunderlich, 1988 ..... Ne Dominican amber

207. *Modisimus calcaroides* Wunderlich, 1988 ..... Ne Dominican amber

208. *Modisimus crassifemoralis* Wunderlich, 1988 ..... Ne Dominican amber

209. *Modisimus oculatus* Wunderlich, 1988 ..... Ne Dominican amber

210. *Modisimus tuberosus* Wunderlich, 1988 ..... Ne Dominican amber

*Modisimus* sp. *in* Wunderlich (1988) ..... Ne Dominican amber

† ***Paraspermophora*** **Wunderlich, 2004c** ..... **Palaeogene**

211. *Paraspermophora bitterfeldensis* Wunderlich, 2004*c* ..... Pa Bitterfeld amber

212. *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**

213. *Pholcophora brevipes* Wunderlich, 1988 ..... Ne Dominican amber

214. *Pholcophora gracilis* Wunderlich, 1988 ..... Ne Dominican amber

215. *Pholcophora longicornis* Wunderlich, 1988 ..... Ne Dominican amber

***Quamtana* Huber, 2003** ..... **Palaeogene – Recent**

216. *Quamtana huberi* Penney, 2007*a* ..... Pa Le Quesnoy amber

† ***Serratochorus* Wunderlich, 1988** ..... **Neogene**

217. *Serratochorus pygmaeus* Wunderlich, 1988* ..... Ne Dominican amber

**GRADUNGULIDAE Forster, 1955** ..... **Recent**

no fossil record

## CY SPIGOT CLADE

† **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**

218. *Autotomiana hirsutipes* Wunderlich, 2015*b** ..... K Burmese amber

?*Autotomiana* sp. indet. *in* Wunderlich, 2015*b* ..... K Burmese amber

† ***Biapophyses* Wunderlich, 2015*b*** ..... **Cretaceous**

219. *Biapophyses beate* Wunderlich, 2015*b** ..... K Burmese amber

noted (as *B. beatae* [*sic*]) by Wunderlich & Müller (2018) as a possible plesion taxon in the leptonetoid–araneoid branch

† ***Palaeohygropoda* Penney, 2004*c*** ..... **Cretaceous**

220. *Palaeohygropoda myanmarensis* Penney, 2004*c** ..... K Burmese amber

† ***Praeterleptoneta* Wunderlich, 2008*d*** ..... **Cretaceous**

221. *Praeterleptoneta spinipes* Wunderlich, 2008*d** ..... K Burmese amber

† **PROTOARANEOIDIDAE Wunderlich in Wunderlich & Müller, 2018** ..... **Cretaceous**

Protoaraneoididae indet. *in* Wunderlich & Müller (2018) ..... K Burmese amber

† ***Praeteraneoides* Wunderlich *in* Wunderlich & Müller, 2018** ..... **Cretaceous**

genus first mentioned as *Prateraneoides* [*sic*], but correctly spelt in the species descriptions

222. *Praeteraraneoides bifurcatum* Wunderlich *in* Wunderlich & Müller, 2018* K Burmese amber

223. *Praeteraraneoides bipartitum* Wunderlich *in* Wunderlich & Müller, 2018 K Burmese amber

224. *Praeteraraneoides leni* Wunderlich *in* Wunderlich & Müller, 2018 ..... K Burmese amber

† ***Proaraneoides* Wunderlich *in* Wunderlich & Müller, 2018** ..... **Cretaceous**

225. *Proaraneoides cribellatum* Wunderlich *in* Wunderlich & Müller, 2018* ..... K Burmese amber

† ***Protoaraneoides* Wunderlich *in* Wunderlich & Müller, 2018** ..... **Cretaceous**

226. *Protoaraneoides longispina* Wunderlich *in* Wunderlich & Müller, 2018* ..... K Burmese amber

† ***Spinipalpitibia* Wunderlich, 2015*b*** ..... **Cretaceous**

227. *Spinipalpitibia hirsuta* Wunderlich *in* Wunderlich & Müller, 2018 ..... K Burmese amber

228. *Spinipalpitibia maior* Wunderlich, 2015*b**..... K Burmese amber

*Spinipalpitibia* sp. *in* Wunderlich & Müller (2018) ..... K Burmese amber

† **PHOLCOCHYROCERIDAE Wunderlich, 2008*d* (n. stat. 2012*d*)** ..... **Cretaceous**

† ***Parvibulbus* Wunderlich *in* Wunderlich & Müller, 2018** ..... **Cretaceous**

229. *Parvibulbus incompletus* Wunderlich *in* Wunderlich & Müller, 2018..... K Burmese amber

† ***Pholcochyrocer* Wunderlich, 2008*d*** ..... **Cretaceous**

230. *Pholcochyrocer altipecten* Wunderlich, 2017*c*..... K Burmese amber

231. ?*Pholcochyrocer baculum* Wunderlich, 2012*d* ..... K Burmese amber

232. *Pholcochyrocer calidum* Wunderlich *in* Wunderlich & Müller, 2018 ..... K Burmese amber

233. *Pholcochyrocer guttulaequae* Wunderlich, 2008*d** ..... K Burmese amber

234. *Pholcochyrocer pecten* Wunderlich, 2012*d* ..... K Burmese amber

235. *Pholcochyrocer vermiculus* Wunderlich *in* Wunderlich & Müller, 2018..... K Burmese amber

† ***Spinicreber* Wunderlich, 2015*b*** ..... **Cretaceous**

236. *Spinicreber antiquus* Wunderlich, 2015*b** ..... K Burmese amber

† ***Spinipalpus* Wunderlich, 2015*b*** ..... **Cretaceous**

237. *Spinipalpus vetus* Wunderlich, 2015*b** ..... K Burmese amber

**LEPTONETIDAE Simon, 1890** ..... **Cretaceous – Recent**

† ***Eoleptoneta* Wunderlich, 1991** ..... **Palaeogene**

238. *Eoleptoneta curvata* Wunderlich, 2004*c* ..... Pa Bitterfeld amber

239. *Eoleptoneta duocalcar* Wunderlich, 2004*c* ..... Pa Baltic amber

240. *Eoleptoneta kutscheri* Wunderlich, 1991* ..... Pa Bitterfeld amber

241. *Eoleptoneta multispinae* Wunderlich, 2011*h*..... Pa Baltic amber

242. *Eoleptoneta pseudoarticulata* Wunderlich, 2011*h*..... Pa Baltic amber

243. *Eoleptoneta similis* Wunderlich, 2004*c* ..... Pa Baltic amber

† ***Oligoleptoneta* Wunderlich 2004*c*** ..... **Palaeogene**

244. *Oligoleptoneta altoculus* Wunderlich 2004*c** ..... Pa Baltic amber

245. *Oligoleptoneta cymbiospina* Wunderlich, 2011*h*..... Pa Baltic amber

† ***Palaeoleptoneta* Wunderlich 2012*d*** ..... **Cretaceous**

246. *Palaeoleptoneta calcar* Wunderlich, 2012*d** ..... K Burmese amber

247. *Palaeoleptoneta crus* Wunderlich, 2017*c* ..... K Burmese amber

248. *Palaeoleptoneta nils* Wunderlich *in* Wunderlich & Müller, 2018 ..... K Burmese amber

249. *Palaeoleptoneta thilo* Wunderlich *in* Wunderlich & Müller, 2018 ..... K Burmese amber

*Paleoleptoneta* sp. indet. *in* Wunderlich (2017*c*) ..... K Burmese amber

**AUSTROCHILIDAE Zapfe, 1955** ..... **Recent**

= THAIDIDAE Lehtinen, 1967

= HICKMANIIDAE Lehtinen, 1967

no fossil record

**TELEMIDAE Fage, 1913** ..... **?Cretaceous – Recent**

***Telema* Simon, 1882** ..... **Palaeogene – Recent**

250. ?*Telema moritzi* Wunderlich, 2004*c* ..... Pa Baltic / Bitt. amber

***Telemofila* Wunderlich, 1995** ..... **?Cretaceous – Recent**

251. ?*Telemofila crassifemoralis* Wunderlich, 2004*c* ..... K Burmese amber

**PALPIMANOIDEA Thorell, 1870a** ..... **Jurassic – Recent**

**family uncertain**

† ***Seppo* Selden & Dunlop, 2014** ..... **Jurassic**

252. *Seppo koponeni* Selden & Dunlop, 2014* ..... J Grimmen, Germany

Wunderlich (2015*b*) suggested possible affinities to Araneidae

† ***Sinaranea* Selden, Huang & Ren, 2008** ..... **Jurassic**

253. *Sinaranea metaxyostraca* Selden, Huang & Ren, 2008* ..... J Daohugou, China

**MECYSMAUCHENIIDAE Simon, 1895** ..... **Cretaceous – Recent**

† ***Archaemecys* Saupe & Selden, 2009** ..... **Cretaceous**

254. *Archaemecys arcantiensis* Saupe & Selden, 2009 ..... K Charente amber

Wunderlich (2015*b*) suggested that this could be an archaeid (Archaeinae)

**HUTTONIIDAE Simon, 1893** ..... **Cretaceous – Recent**

unnamed genus and species in Penney & Selden (2006) ..... K Manitoban amber

† **MICROPALPIMANIDAE Wunderlich, 2008*d*** ..... **Cretaceous**

† ***Micropalpimanus* Wunderlich, 2008*d*** ..... **Cretaceous**

*Micropalpimanus* sp. indet *in* Wunderlich (2012*d*) ..... K Burmese amber

255. *Micropalpimanus poinari* Wunderlich, 2008*d* ..... K Burmese amber

**PALPIMANIDAE Thorell, 1870*a*** ..... **Cretaceous – Recent**

= OTITHOPOIDAE Thorell, 1869 [younger name protected by useage]

= CHERSIDAE Canestrini & Pavesi, 1870

Palpimanidae indet. *in* Wunderlich, 2017*c* ..... K Burmese amber

***Otiothops* MacLeay, 1839** ..... **Neogene – Recent**

*Otiothops* sp. 1–2 *in* Wunderlich (1988) ..... Ne Dominican amber

† **LAGONOMEGOPIDAE Eskov & Wunderlich, 1995** ..... **Cretaceous**

Lagonomegopidae indet. *in* Wunderlich, 2015*b* ..... K Burmese amber

Lagonomegopidae gen et sp. indet. *in* Wunderlich, 2017*c* ..... K Burmese amber

† ***Albiburmops* Wunderlich, 2017*c*** ..... **Cretaceous**

256. *Albiburmops annulipes* Wunderlich, 2017*c** ..... K Burmese amber

† ***Archaelagonops* Wunderlich, 2012*d*** ..... **Cretaceous**

257. *Archaelagonops propinquus* Wunderlich, 2015*b* ..... K Burmese amber

258. *Archaelagonops salticoides* Wunderlich, 2012*d** ..... K Burmese amber

259. *Archaelagonops scorsum* Wunderlich, 2015*b* ..... K Burmese amber

*Archaelagonops* sp. indet. *in* Wunderlich (2015*b*) ..... K Burmese amber

† ***Burlagonomegops*** **Penney, 2005*b*** ..... **Cretaceous**

260. *Burlagonomegops alavensis* Penney, 2006*b* ..... K Álava amber

261. *Burlagonomegops eskovi* Penney, 2005*b** ..... K Burmese amber

† ***Cymbiolagonops*** **Wunderlich, 2015*b*** ..... **Cretaceous**

262. *Cymbiolagonops cymbiocalcar* Wunderlich, 2015*b** ..... K Burmese amber

† ***Lagonoburmops*** **Wunderlich, 2012*d*** ..... **Cretaceous**

263. *Lagonoburmops plumosus* Wunderlich, 2012*d** ..... K Burmese amber

† ***Lagonomegops*** **Eskov & Wunderlich, 1995** ..... **Cretaceous**

264. *Lagonomegops americanus* Penney, 2005*b* ..... K New Jersey amber

265. *?Lagonomegops cor* Pérez-de la Fuente, Saupe & Selden, 2015 ..... K Álava amber

266. *Lagonomegops sukatchevae* Eskov & Wunderlich, 1995* ..... K Taimyr amber

267. ?*Lagonomegops tuber* Wunderlich, 2015*b* ..... K Burmese amber

† ***Lineaburmops*** **Wunderlich, 2015*b*** ..... **Cretaceous**

268. *Lineaburmops beigeli* Wunderlich, 2015*b** ..... K Burmese amber

269. *Lineaburmops hirsutipes* Wunderlich, 2015*b* ..... K Burmese amber

270. *Lineaburmops maculatus* Wunderlich, 2017*c* ..... K Burmese amber

† ***Myanlagonops*** **Wunderlich, 2012*d*** ..... **Cretaceous**

271. *Myanlagonops gracilipes* Wunderlich, 2012*d** ..... K Burmese amber

† ***Parviburmops*** **Wunderlich, 2015*b*** ..... **Cretaceous**

272. ?*Parviburmops bigibber* Wunderlich, 2015*b* ..... K Burmese amber

273. *Parviburmops brevipalpus* Wunderlich, 2015*b** ..... K Burmese amber

† ***Paxillomegops*** **Wunderlich, 2015*b*** ..... **Cretaceous**

274. ?*Paxillomegops brevipes* Wunderlich, 2015*b* ..... K Burmese amber

275. ?*Paxillomegops cornutus* Wunderlich, 2017*c* ..... K Burmese amber

276. *Paxillomegops longipes* Wunderlich, 2015*b** ..... K Burmese amber

† ***Picturmegops*** **Wunderlich, 2015*b*** ..... **Cretaceous**

277. *Picturmegops signatus* Wunderlich, 2015*b** ..... K Burmese amber

† ***Planimegops*** **Wunderlich, 2017*c*** ..... **Cretaceous**

278. *Planimegops parvus* Wunderlich, 2017*c** ..... K Burmese amber

† ***Soplaogonomegops*** **Pérez-de la Fuente, Saupe & Selden** ..... **Cretaceous**

Wunderlich (2015*b*) tentatively synonymised this genus with *Archaelagonops*

279. *Soplaogonomegops unzuei* Pérez-de la Fuente, Saupe & Selden, 2015* ..... K El Soplao amber

† ***Spinomegops*** **Pérez-de la Fuente, Saupe & Selden, 2015** ..... **Cretaceous**

280. *Spinomegops aragonensis* Pérez-de la Fuente, Saupe & Selden, 2015 ..... K San Just amber

281. *Spinomegops arcanus* Pérez-de la Fuente, Saupe & Selden, 2015* ..... K Álava amber

† ***Zarquagonomegops*** **Kaddumi, 2007** ..... **Cretaceous**

282. *Zarquagonomegops wunderlichi* Kaddumi, 2007* ..... K Jordanian amber

† **GRANDOCULIDAE Penney, 2011** ..... **Cretaceous**

validity of this family – as distinct from Lagonomegopidae – has been challenged (cf. Wunderlich 2012*d, 2015b* & Pérez-de la Fuente *et al*. 2013)

† ***Grandoculus*** **Penney, 2004*b*** ..... **Cretaceous**

283. *Grandoculus chemahawinensis* Penney, 2004*b** ..... K Canadian amber

† **SPATIATORIDAE Petrunkevitch, 1942** ..... **Cretaceous – Palaeo.**

Spatiatoridae indet *in* Wunderlich 2017*c* ..... K Burmese amber

† ***Spatiator*** **Petrunkevitch, 1942** ..... **Cretaceous – Palaeo.**

284. *Spatiator bitterfeldensis* Wunderlich 2017a ..... Pa Bitterfeld amber

285. *Spatiator caulis* Wunderlich, 2008*a* ..... Pa Baltic amber

286. *Spatiator martensi* Wunderlich, 2006 ..... Pa Baltic amber

287. *Spatiator praeceps* Petrunkevitch, 1942* ..... Pa Baltic amber

288. *Spatiator putescens* Wunderlich, 2015*b* ..... K Burmese amber

*Spatiator* sp. *in* Wunderlich (2011*h*) ..... Pa Baltic amber

† **VETIATORIDAE Wunderlich, 2017*c*** ..... **Cretaceous**

Vetiatoridae indet *in* Wunderlich (2017*c*) ..... K Burmese amber

† ***Pekkachilus*** **Wunderlich, 2017*c*** ..... **Cretaceous**

*Pekkachilus* sp. indet *in* Wunderlich (2017*c*) ..... K Burmese amber

289. *Pekkachilus vesica* Wunderlich, 2017*c** ..... K Burmese amber

† ***Vetiator*** **Wunderlich, 2015*b*** ..... **Cretaceous**

290. *Vetiator gracilipes* Wunderlich, 2015*b** ..... K Burmese amber

**STENOCHILIDAE Thorell, 1873** ..... **Recent**

no fossil record

**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**

291. ?*Archaea bitterfeldensis* Wunderlich, 2004*d* ..... Pa Bitterfeld amber

292. *Archaea compacta* Wunderlich, 2004*d* ..... Pa Baltic amber

293. *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

294. *Archaea pougneti* Simon, 1884*b* ..... Pa Baltic amber

† ***Baltarchaea*** **Eskov, 1992** ..... **Palaeogene**

295. *Baltarchaea conica* (C. L. Koch & Berendt, 1854)* ..... Pa Baltic amber

† ***Burmesarchaea*** **Wunderlich, 2008*d*** ..... **Cretaceous**

296. *Burmesarchaea alissa* Wunderlich, 2017*c* ..... K Burmese amber

297. *Burmesarchaea caudata* Wunderlich, 2017*c* ..... K Burmese amber

298. *Burmesarchaea crassicaput* Wunderlich, 2017*c* ..... K Burmese amber

299. *Burmesarchaea crassichelae* Wunderlich, 2017*c* ..... K Burmese amber
300. *Burmesarchaea gibber* Wunderlich, 2017*c* ..... K Burmese amber
301. *Burmesarchaea gibberoides* Wunderlich, 2017*c* ..... K Burmese amber
302. *Burmesarchaea gibbosa* Wunderlich, 2017*c* ..... K Burmese amber
303. *Burmesarchaea grimaldii* (Penney, 2003*a*) ..... K Burmese amber
304. *Burmesarchaea longicollum* Wunderlich, 2017*c* ..... K Burmese amber
305. *Burmesarchaea propinqua* Wunderlich, 2017*c* ..... K Burmese amber
306. *Burmesarchaea pseudogibber* Wunderlich, 2017*c* ..... K Burmese amber
307. *Burmesarchaea pustulata* Wunderlich, 2017*c* ..... K Burmese amber
308. *Burmesarchaea quadrata* Wunderlich, 2017*c* ..... K Burmese amber
309. *Burmesarchaea speciosus* (Wunderlich, 2008*d*) ..... K Burmese amber

† ***Eoarchaea* Forster & Platnick, 1984** ..... **Palaeogene**

310. *Eoarchaea hyperoptica* (Menge in C. L. Koch & Berendt, 1854)* ..... Pa Baltic amber
311. *Eoarchaea vidua* Wunderlich, 2004*d* ..... Pa Baltic amber

† ***Eomysmauchenius* Wunderlich, 2008*d*** ..... **Cretaceous**

312. *Eomysmauchenius dubius* Wunderlich, 2008*d* ..... K Burmese amber
313. *Eomysmauchenius longissipes* Wunderlich, 2015*b* ..... K Burmese amber
tentative transfer by Wunderlich (2017*c*)
314. *Eomysmauchenius septentrionalis* Wunderlich, 2008*d** ..... K Burmese amber

***Eriauchenius* O. P.-Cambridge, 1881** ..... **Quaternary – Recent**

315. *Eriauchenius gracilicollis* (Millot, 1948) **[Recent]** ..... Qt Copal
i. = *Archaea copalensis* Lourenço, 2000*b* ..... Qt Copal

† ***Jurarchaea* Eskov, 1987** ..... **Jurassic**

316. *Jurarchaea zherikhini* Eskov, 1987* ..... J Kazakhstan

† ***Myrmecarchaea* Wunderlich, 2004*d*** ..... **Palaeogene**

317. *Myrmecarchaea petiolus* Wunderlich, 2004*d** ..... Pa Baltic amber
318. *Myrmecarchaea pediculus* Wunderlich, 2004*d* ..... Pa Baltic amber

† **Patarchaea Selden, Huang & Ren, 2008** ..... **Jurassic**

319. *Patarchaea muralis* Selden, Huang & Ren, 2008* ..... J Daohugou, China

† ***Planarchaea* Wunderlich, 2015*b*** ..... **Cretaceous**

= † *Filiauchenius* Wunderlich, 2008*d*

320. *Planarchaea kopp* Wunderlich, 2015*b** ..... K Burmese amber
321. *Planarchaea oblonga* Wunderlich, 2017*c* ..... K Burmese amber
322. *Planarchaea ovata* Wunderlich, 2017*c* ..... K Burmese amber
323. *Planarchaea paucidentatus* (Wunderlich, 2008*d*) tentative transfer ..... K Burmese amber
324. *Planarchaea pilosa* (Wunderlich, 2015*b*) tentative transfer ..... K Burmese amber

† ***Saxonarchaea* Wunderlich, 2004*d*** ..... **Palaeogene**

325. *Saxonarchaea dentata* Wunderlich, 2004*d** ..... Pa Bitterfeld amber
326. *Saxonarchaea diabolica* Wunderlich, 2004*d* ..... Pa Bitterfeld amber

**ENTELEGYNAE Simon, 1893** ..... **Jurassic – Recent**

**NICODAMOIDEA Simon, 1898** ..... **Recent**

**MEGADICTYNIDAE Lehtinen, 1967** ..... **Recent**

no fossil record

**NICODAMIDAE Simon, 1898** ..... **Recent**

no fossil record

**ARANEOIDEA Latreille, 1806** ..... **Jurassic – Recent**

Araneoidea fam. indet. *in* Wunderlich (2008*d*) ..... K Burmese amber

† ***Mesarania* Hong, 1984** ..... **Jurassic**

327. *Mesarania hebeiensis* Hong, 1984* ..... J Hebei, China

† **PRAETHERIDIIDAE Wunderlich, 2004*l*** (n. stat. 2012) ..... **Palaeogene**

† ***Praetheridion* Wunderlich, 2004*l*** ..... **Palaeogene**

328. *Praetheridion fleissneri* Wunderlich, 2004*l** ..... Pa Baltic amber

† **PROTHERIDIIDAE Wunderlich, 2004*l*** ..... **Palaeogene**

† ***Protheridion* Wunderlich, 2004*l*** ..... **Palaeogene**

329. *Protheridion bitterfeldensis* Wunderlich, 2004*l* ..... Pa Bitterfeld amber

330. *Protheridion detritus* Wunderlich, 2004*l* ..... Pa Baltic amber

331. *Protheridion obscurum* Wunderlich, 2004*l* ..... Pa Baltic amber

332. *Protheridion punctatum* Wunderlich, 2004*l* ..... Pa Baltic amber

333. *Protheridion tibialis* Wunderlich, 2004*l** ..... Pa Baltic amber

† **LEVIUNGUIDAE Wunderlich *in* Wunderlich & Müller, 2018** ..... **Cretaceous**

† ***Leviunguis* Wunderlich, 2012*d*** ..... **Cretaceous**

334. *Leviunguis altus* Wunderlich *in* Wunderlich & Müller, 2018 ..... K Burmese amber

335. *Leviunguis anulus* Wunderlich *in* Wunderlich & Müller, 2018 ..... K Burmese amber

336. *Leviunguis anulusoides* Wunderlich *in* Wunderlich & Müller, 2018 ..... K Burmese amber

337. *Leviunguis bruckschi* Wunderlich, 2012*d** ..... K Burmese amber

338. *Leviunguis bruckschoides* Wunderlich *in* Wunderlich & Müller, 2018 ..... K Burmese amber

339. *Leviunguis erectus* Wunderlich *in* Wunderlich & Müller, 2018 ..... K Burmese amber

340. *Leviunguis glomulus* Wunderlich *in* Wunderlich & Müller, 2018 ..... K Burmese amber

341. *Leviunguis glomus* Wunderlich *in* Wunderlich & Müller, 2018 ..... K Burmese amber

342. *Leviunguis graciliembolus* Wunderlich in Wunderlich & Müller, 2018 ..... K Burmese amber

343. *Leviunguis gradus* Wunderlich *in* Wunderlich & Müller, 2018 ..... K Burmese amber

344. *Leviunguis porrigens* Wunderlich *in* Wunderlich & Müller, 2018 ..... K Burmese amber

345. *Leviunguis pseudobruckschi* Wunderlich *in* Wunderlich & Müller, 2018 ..... K Burmese amber

346. *Leviunguis quadratus* Wunderlich *in* Wunderlich & Müller, 2018 ..... K Burmese 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**

347. *Achaearanea extincta* Wunderlich, 1988 ..... Ne Dominican amber

*Achaearanea* sp. *in* Wunderlich (1988) ..... Ne Dominican amber

***Argyrodes* Simon, 1864** ..... **Neogene – Recent**

348. *Argyrodes* (*Ariamnes*) *copalis* Wunderlich, 2008*b* ..... Qt Colombian copal

349. *Argyrodes* (*Ariamnes*) *resina* Wunderlich, 2011*f* ..... Qt Madagascar copal

350. *Argyrodes* (*Rhomphaea*) *gibbifera* Wunderlich, 2004*as* ..... Qt Madagascar copal

351. *Argyrodes parvipatellaris* Wunderlich, 1988 ..... Ne Dominican amber

*Argyrodes* sp. *in* Wunderlich (1988) ..... Ne Dominican amber

† ***Balticoridion* Wunderlich, 2008*b*** ..... **Palaeogene**

352. *Balticoridion dubium* Wunderlich, 2008*b** ..... Pa Baltic / Bitt. amber

† ***Balticpholcomma* Wunderlich, 2008*b*** ..... **Palaeogene**

353. *Balticpholcomma scutatum* Wunderlich, 2008*b** ..... Pa Baltic amber

† ***Burmatheridon* Wunderlich in Wunderlich & Müller, 2018** ..... **Palaeogene**

354. *Burmatheridon sinespinae* Wunderlich *in* Wunderlich & Müller, 2018* ... K Burmese amber

† ***Caudasinus* Wunderlich, 2008*b*** ..... **Palaeogene**

355. *Caudasinus bispinosus* Wunderlich, 2008*b* ..... Pa Baltic amber

356. *Caudasinus caudatus* Wunderlich, 2008*b** ..... Pa Baltic amber

357. *Caudasinus regeneratus* Wunderlich, 2008*b* ..... Pa Baltic amber

*Caudasinus* sp. *in* Wunderlich (2008*b*) ..... Pa Baltic amber

***Chrosiothes* Simon, 1894** ..... **Neogene – Recent**

358. *Chrosiothes biconigerus* Wunderlich, 1988 ..... Ne Dominican amber

359. *Chrosiothes curvispinosus* Wunderlich, 1988 ..... Ne Dominican amber

360. *Chrosiothes emulgatus* Wunderlich, 1988 ..... Ne Dominican amber

361. *Chrosiothes longispinosus* Wunderlich, 1988 ..... Ne Dominican amber

362. *Chrosiothes monoceros* Wunderlich, 1988 ..... Ne Dominican amber

363. *Chrosiothes tumulus* Wunderlich, 1988 ..... Ne Dominican amber

364. *Chrosiothes unicornis* Wunderlich, 1988 ..... Ne Dominican amber

***Chrysso* O. P.-Cambridge, 1882*a*** ..... **Neogene – Recent**

365. *Chrysso conspicua* Wunderlich, 1988 ..... Ne Dominican amber

366. *Chrysso dubia* Wunderlich, 1988 ..... Ne Dominican amber

† ***Clavibertus* Wunderlich, 2008*b*** ..... **Palaeogene**

367. *Clavibertus parvus* Wunderlich, 2008*b* ..... Pa Baltic amber

368. *Clavibertus prominens* Wunderlich, 2008*b** ..... Pa Baltic amber

† ***Clya* C. L. Koch & Berendt, 1854** ..... **Palaeogene**

369. *Clya abdita* Wunderlich, 2008*b* ..... Pa Baltic amber

370. *Clya lugubris* C. L. Koch & Berendt, 1854* ..... Pa Baltic / Rovno amber

371. *Clya calefacta* Wunderlich, 2008*b* ..... Pa Baltic amber

372. *Clya gracilis* (Petrunkevitch, 1958) ..... Pa Baltic amber
373. *Clya granulata* (C. L. Koch & Berendt, 1854) ..... Pa Baltic amber
374. *Clya obscura* (C. L. Koch & Berendt, 1854) ..... Pa Baltic amber
375. *Clya rotata* Wunderlich, 2008*b* ..... Pa Baltic amber
376. *Clya supercalefacta* Wunderlich, 2008*b* ..... Pa Baltic amber
377. *Clya superspiralis* Wunderlich, 2008*b* ..... Pa Baltic amber
378. *Clya tricurvata* Wunderlich, 2008*b* ..... Pa Baltic amber

† ***Cornutidion* Wunderlich, 1988** ..... **Neogene**

379. *Cornutidion elongatum* Wunderlich, 1988* ..... Ne Dominican amber

***Craspedisia* Simon, 1894** ..... **Neogene – Recent**

380. *Craspedisia yapchoontecki* Penney & Marusik *in* Penney *et al*. (2012*b*) Ne Dominican amber

† ***Cretotheridion* Wunderlich, 2015*b*** ..... **Cretaceous**

381. *Cretotheridion inopinatum* Wunderlich, 2015*b** ..... K Burmese amber

† ***Cymbiopholcomma* Wunderlich, 2008*b*** ..... **Palaeogene**

382. *Cymbiopholcomma dudum* Wunderlich, 2008b* ..... Pa Baltic amber
383. *Cymbiopholcomma spiculum* Wunderlich, 2008b ..... Pa Baltic amber

† ***Dipoenata* Wunderlich, 1988** ..... **Neogene**

384. *Dipoenata altioculata* Wunderlich, 1988 ..... Ne Dominican amber
385. *Dipoenata cala* Wunderlich, 1988 ..... Ne Dominican amber
386. *Dipoenata clypeata* Wunderlich, 1988 ..... Ne Dominican amber
387. *Dipoenata globulus* Wunderlich, 1988 ..... Ne Dominican amber
388. *Dipoenata praedominicana* (Wunderlich, 1986) ..... Qt Dominican copal
389. *Dipoenata stipes* Wunderlich, 1988* ..... Ne Dominican amber
390. *Dipoenata yolandae* Wunderlich, 1988 ..... Ne Dominican amber

Dipoenata sp. *in* Wunderlich (1988) ..... Ne Dominican amber

† ***Eoasagena* Wunderlich, 2008*b*** ..... **Palaeogene**

391. *Eoasagena scutata* Wunderlich, 2008*b** ..... Pa Baltic amber

† ***Eolyrifer* Wunderlich, 2008*b*** ..... **Palaeogene**

392. *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

393. *Eomysmena asta* Petrunkevitch, 1971 ..... Ne Chiapas amber
394. *Eomysmena aviceps* Wunderlich, 2008*b* ..... Pa Baltic amber
395. *Eomysmena calefacta* Wunderlich, 2008*b* ..... Pa Baltic amber
396. *Eomysmena crassa* (Petrunkevitch, 1958) ..... Pa Baltic amber
397. *Eomysmena baltica* Petrunkevitch, 1946 ..... Pa Baltic amber
398. '*Eomysmena*' *bassleri* (Petrunkevitch, 1942) ..... Pa Baltic amber
399. ?*Eomysmena kaestneri* (Petrunkevitch, 1958) ..... Pa Baltic amber
400. *Eomysmena militaris* (C. L. Koch & Berendt, 1854) ..... Pa Baltic amber

401. *Eomysmena moritura* Petrunkevitch, 1942* ..... Pa Baltic amber
    i. = *Eomysmena consulta* (Petrunkevitch, 1958) [tentative synonomy] ..... Pa Baltic amber
402. *Eomysmena nielseni* (Petrunkevitch, 1958) ..... Pa Baltic amber
403. *Eomysmena oculata* (Petrunkevitch, 1942) ..... Pa Baltic amber
404. *Eomysmena punctulata* (C. L. Koch & Berendt, 1854) ..... Pa Baltic amber
405. *Eomysmena recta* Wunderlich, 2008*b* ..... Pa Baltic amber
406. *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**

407. *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]

408. *Episinus anapidaeque* Wunderlich, 2008*b* ..... Pa Baltic amber
409. *Episinus antecognatus* Wunderlich, 1986 ..... Qt Dominican copal
410. *Episinus appendix* Wunderlich, 2008*b* ..... Pa Baltic amber
411. *Episinus arrodens* Wunderlich, 2008*b* ..... Pa Baltic amber
412. *Episinus balticus* Marusik & Penney, 2004 ..... Pa Baltic / Bitt. Amber
413. *Episinus brevipalpus* Wunderlich, 1988 ..... Ne Dominican amber
414. *Episinus bulla* Wunderlich, 2008*b* ..... Pa Baltic amber
415. *Episinus chiapasanus* (Petrunkevitch, 1971) ..... Ne Chiapas amber
416. *Episinus clunis* Wunderlich, 2008*b* ..... Pa Baltic amber
417. *Episinus cochlear* Wunderlich, 2008*b* ..... Pa Baltic amber
418. *Episinus cornutus* Wunderlich, 1988 ..... Ne Dominican amber
419. *Episinus cymbialis* Wunderlich, 2008*b* ..... Pa Baltic amber
420. *Episinus dimidius* Wunderlich, 2008*b* ..... Pa Baltic amber
421. *Episinus eskovi* Marusik & Penney, 2004 ..... Pa Baltic amber
422. *Episinus isopteraque* Wunderlich, 2008*b* ..... Pa Baltic amber
423. *Episinus latus* Wunderlich, 2008*b* ..... Pa Baltic amber
424. *Episinus longimanus* (C. L. Koch & Berendt, 1854) ..... Pa Baltic amber
    i. = *Malleator niger* Petrunkevitch, 1942 ..... Pa Baltic amber
425. *Episinus longisoma* Wunderlich, 2008b ..... Pa Baltic amber
426. *Episinus minutus* (Petrunkevitch, 1958) ..... Pa Baltic amber
427. *Episinus mordellidaeque* Wunderlich, 2008*b* ..... Pa Baltic amber
428. *Episinus musculus* Wunderlich, 2008*b* ..... Pa Baltic amber
429. *Episinus mutilus* (Petrunkevitch, 1958) ..... Pa Baltic amber
430. *Episinus nausticymbium* Wunderlich, 2008*b* ..... Pa Baltic amber
431. *Episinus neglectus* (Petrunkevitch, 1942) ..... Pa Baltic amber

432. *Episinus penneyi* Garcia-Villafuerte, 2006*a* ..... Ne Chiapas amber
433. *Episinus praecognatus* Wunderlich, 1982 ..... Ne Dominican amber
434. *Episinus pulcher* (Petrunkevitch, 1942) ..... Pa Baltic amber
435. *Episinus regalis* (Petrunkevitch, 1958) ..... Pa Baltic amber
436. *Episinus stridulus* (Petrunkevitch, 1958) ..... Pa Baltic amber
437. *Episinus tibiaseta* Wunderlich, 2011*g* ..... Ne Dominican amber
438. *Episinus transversus* Wunderlich, 2008*b* ..... Pa Baltic amber
439. *Episinus tuberosus* Wunderlich, 1988 ..... Ne Dominican amber

*Episinus* spp. *in* Wunderlich (2008*b*) ..... Pa Baltic amber

***Euryopis* Menge, 1868** ..... **Palaeogene – Recent**

440. ?*Euryopis araneoides* Wunderlich, 2008*b* ..... Pa Baltic amber
441. *Euryopis bitterfeldensis* Wunderlich, 2008*b* ..... Pa Baltic / Bitt. Amber
442. *Euryopis nexus* Wunderlich, 2008*b* ..... Pa Baltic amber
443. *Euryopis streyi* Wunderlich, 2008*b* ..... Pa Baltic / Bitt. Amber

*Euryopis/Emertonella* complex *in* Penney *et al*. (2012c) ..... Qt Colombian copal

† ***Euryopus* Menge *in* C. L. Koch & Berendt, 1854** ..... **Palaeogene**

444. *Euryopus gracilipes* Menge *in* C. L. Koch & Berendt, 1854* ..... Pa Baltic amber

***Faiditus* Keyserling, 1884** ..... **Neogene – Recent**

445. *Faiditus crassipatellaris* (Wunderlich, 1988) ..... Ne Dominican amber

† ***Femurraptor* Wunderlich, 2011*g*** ..... **Neogene**

446. *Femurraptor dominicanus* Wunderlich, 2011g* ..... Ne Dominican amber

† ***Globulidion* Wunderlich, 2008*b*** ..... **Palaeogene**

447. *Globulidion cochlea* Wunderlich, 2008*b** ..... Pa Baltic amber

† ***Hirsutipalpus* Wunderlich, 2008*b*** ..... **Palaeogene**

448. *Hirsutipalpus varipes* Wunderlich, 2008*b** ..... Pa Baltic / Bitt. amber

† ***Kochiuridion* Wunderlich, 2008*b*** ..... **Palaeogene**

449. *Kochiuridion scutatum* Wunderlich, 2008*b** ..... Pa Baltic / Bitt. amber

***Lasaeola* Simon, 1881** ..... **Palaeogene – Recent**

= † *Nactodipoena* Petrunkevitch, 1942 [a subgenus in Wunderlich (2008b)]

450. *Lasaeola acumen* Wunderlich, 2008*b* ..... Pa Baltic amber
451. *Lasaeola baltica* (Marusik & Penney, 2004) ..... Pa Baltic amber
452. *Lasaeola bitterfeldensis* Wunderlich, 2008b ..... Pa Bitterfeld amber
453. *Lasaeola communis* Wunderlich, 2008b ..... Pa Baltic amber
454. *Lasaeola* (*Nactodipoena*) *dunbari* (Petrunkevitch, 1942) ..... Pa Baltic amber
455. ?*Lasaeola furca* Wunderlich, 2008b ..... Pa Baltic amber
456. *Lasaeola germanica* (Petrunkevitch, 1958) ..... Pa Baltic amber
457. *Lasaeola* (*Phycosoma*) *inclinata* Wunderlich, 2012*a* ..... Qt Madagascan copal
458. *Lasaeola infulata* (C. L. Koch & Berendt, 1854) ..... Pa Baltic / Bitt. Amber
459. *Lasaeola larvaque* Wunderlich, 2008b ..... Pa Baltic amber
460. *Lasaeola latisulci* Wunderlich, 2008b ..... Pa Baltic amber
461. *Lasaeola pristina* (Wunderlich, 1986) ..... Ne Dominican amber

462. *Lasaeola puta* Wunderlich, 1988 ..... Ne Dominican amber
463. *Lasaeola sexsaetosa* Wunderlich, 2008*b* ..... Pa Baltic amber
464. *?Lasaeola sigillata* Wunderlich, 2008*b* ..... Pa Bitterfeld amber
465. *Lasaeola vicina* (Wunderlich, 1982) ..... Ne Dominican amber
466. *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**
467. *Medela baltica* Petrunkevitch, 1942* ..... Pa Baltic amber

† ***Mimetidion* Wunderlich, 2008*b*** ..... **Palaeogene**
468. *Mimetidion furca* Wunderlich, 2008*b** ..... Pa Baltic amber

† ***Nanomysmena* Petrunkevitch, 1958** ..... **Palaeogene**
469. *Nanomysmena aculeata* Petrunkevitch, 1958 ..... Pa Baltic amber
470. *Nanomysmena munita* Petrunkevitch, 1958 ..... Pa Baltic amber
471. *Nanomysmena palanga* Marusik & Penney, 2004 ..... Pa Baltic amber
472. *Nanomysmena petrunkevitchi* Marusik & Penney, 2004 ..... Pa Baltic amber
473. *Nanomysmena pseudogracilis* Marusik & Penney, 2004 ..... Pa Baltic amber

† ***Nanosteatoda* Wunderlich, 2008*b*** ..... **Palaeogene**
474. *Nanosteatoda breviscutum* Wunderlich, 2008*b* ..... Pa Baltic amber
475. *Nanosteatoda trisetae* Wunderlich, 2008*b* ..... Pa Baltic amber

† ***Obscuropholcomma* Wunderlich, 2008*b*** ..... **Palaeogene**
476. *Obscuropholcomma tegens* Wunderlich, 2008*b** ..... Pa Baltic amber
*Obscuropholcomma* sp. *in* Wunderlich (2012*b*) ..... Pa Rovno amber

***Phoroncidia* Westwood, 1835** ..... **Quaternary – Recent**
477. *Phoroncidia ?aculeata* Westwood, 1835 **[Recent]** ..... Qt Madagascan copal

***Platnickina* Koçak & Kemal, 2008** ..... **Quaternary – Recent**
478. *Platnickina duosetae* Wunderlich, 2012*a* ..... Qt Madagascan copal

† ***Praetereuryopis* Wunderlich, 2008*b*** ..... **Palaeogene**
479. *Praetereuryopis phoroncidoides* Wunderlich, 2008*b** ..... Pa Baltic amber

† ***Pronepos* Petrunkevitch, 1963** ..... **Neogene**
480. *Pronepos exilis* Petrunkevitch, 1963* ..... Ne Chiapas amber
481. *Pronepos fossilis* Petrunkevitch, 1963 ..... Ne Chiapas amber

† ***Protosteatoda* Wunderlich, 2008*b*** ..... **Palaeogene**
482. *Protosteatoda gutta* Wunderlich, 2008*b* ..... Pa Baltic amber

† ***Pseudoteutana* Wunderlich, 2008b** ..... **Palaeogene**
483. *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**
484. *Rugopholcomma patellaris* Wunderlich, 2008*b** ..... Pa Baltic amber

† ***Spinisinus* Wunderlich, 2008*b*** ..... **Palaeogene**

485. *Spinisinus parvioculi* Wunderlich, 2008b ..... Pa Baltic amber

486. *Spinisinus splendidus* Wunderlich, 2008b* ..... Pa Baltic amber

† ***Spinitharinus* Wunderlich, 2008*b*** ..... **Palaeogene**

487. *Spinitharinus bulbosus* Wunderlich, 2008*b** ..... Pa Baltic / Bitt. Amber

488. *Spinitharinus cheliceratus* Wunderlich, 2008*b* ..... Pa Baltic / Bitt. Amber

489. *Spinitharinus coniectens* Wunderlich, 2008*b* ..... Pa Baltic amber

490. *Spinitharinus curvatus* Wunderlich, 2008*b* ..... Pa Baltic amber

491. *Spinitharinus cymbioseta* Wunderlich, 2008*b* ..... Pa Baltic amber

*Spinitharinus* spp. *in* Wunderlich (2008*b*) ..... Pa Baltic amber

***Spintharus* Hentz, 1850** ..... **Neogene – Recent**

492. *Spintharus longisoma* Wunderlich, 1988 ..... Ne Dominican amber

***Steatoda* Sundevall, 1833** ..... **?Palaeogene – Recent**

493. '*Steatoda*' *anticus* (Berland, 1939) ..... Pa Baltic amber

***Stemmops* O. P.-Cambridge, 1894** ..... **Neogene – Recent**

494. *Stemmops incertus* Wunderlich, 1988 ..... Ne Dominican amber

495. *Stemmops prominens* Wunderlich, 1988 ..... Ne Dominican amber

***Styposis* Simon, 1894** ..... **Neogene – Recent**

496. *Styposis pholcoides* Wunderlich, 1988 ..... Ne Dominican amber

† ***Succinobertus* Wunderlich, 2008*b*** ..... **Palaeogene**

497. *Succinobertus adjacens* Wunderlich, 2008*b** ..... Pa Baltic / Bitt. Amber

† ***Succinura* Wunderlich, 2008*b*** ..... **Palaeogene**

498. *Succinura aciesaeta* Wunderlich, 2008*b* ..... Pa Baltic amber

499. *Succinura bellavista* Wunderlich, 2008b* ..... Pa Baltic amber

500. *Succinura circuita* Wunderlich, 2008*b* ..... Pa Baltic amber

501. *Succinura dubia* Wunderlich, 2008*b* ..... Pa Baltic amber

502. *Succinura fuscoruber* Wunderlich, 2008*b* ..... Pa Baltic amber

503. *Succinura ovalis* Wunderlich, 2008*b* ..... Pa Baltic amber

*Succinura* sp. *in* Wunderlich (2008*b*) ..... Pa Baltic amber

***Theridion* Walckenaer, 1805** ..... **?Cretaceous – Recent**

504. '*Theridion*' *alutaceum* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

505. *Theridion annulipes* Heer, 1865 ..... Ne Öhningen

506. *Theridion atalus* Chang, 2004 [both generic and familial assignment unreliable!] ..... K Jehol Biota

507. '*Theridion*' *berendti* Marusik & Penney, 2004 ..... Pa Baltic amber

i. = *Theridion globosa* C. L. Koch & Berendt, 1854 [preoccupied]

508. *Theridion bucklandi* Thorell, 1870a ..... Pa Aix-en-Provence

509. *Theridion contrarium* Wunderlich, 1988 ..... Ne Dominican amber

510. *Theridion crassipalpum* Berland, 1939 ..... Pa Aix-en-Provence

511. '*Theridion*' *detersum* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

512. *Theridion erectoides* Wunderlich, 1988 ..... Ne Dominican amber

513. Theridion erectum Wunderlich, 1988 ..... Ne Dominican amber

514. '*Theridion*' *globosus* (Presl, 1822) ..... Pa Baltic amber
515. *Theridion globulus* Heer, 1865 ..... Ne Öhningen
516. '*Theridion*' hirtum C. L. Koch & Berendt, 1854 ..... Pa Baltic amber
517. *Theridion inversum* Wunderlich, 1988 ..... Ne Dominican amber
518. *Theridion maculipes* Heer, 1865 ..... Ne Öhningen
519. '*Theridion*' *oblongum* (Presl, 1822) ..... Pa Baltic amber
520. '*Theridion*' *ovale* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber
521. '*Theridion*' *ovatum* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber
522. '*Theridion*' *simplex* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber
523. *Theridion variosoma* Wunderlich, 1988 ..... Ne Dominican amber
524. *Theridion wunderlichi* Penney, 2001 ..... Ne Dominican amber
    i. = *Theridion ovale* Wunderlich, 1988 [preoccupied]

† ***Thyelia* C. L. Koch & Berendt, 1854** ..... **Palaeogene**
525. *Thyelia anomala* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber
526. *Thyelia convexa* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber
527. *Thyelia fossula* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber
528. *Thyelia marginata* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber
529. *Thyelia pallida* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber
530. *Thyelia scotina* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber
531. *Thyelia tristis* C. L. Koch & Berendt, 1854* ..... Pa Baltic amber
532. *Thyelia villosa* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

***Ulesanis* L. Koch, 1872** ..... **Palaeogene – Recent**
533. *Ulesanis antecessor* Wunderlich, 2008*b* ..... Pa Baltic Amber
534. *Ulesanis frontprocera* Wunderlich, 2008*b* ..... Pa Baltic Amber
535. *Ulesanis longicymbium* Wunderlich, 2008*b* ..... Pa Baltic Amber
536. *Ulesanis ovalis* Wunderlich, 2008*b* ..... Pa Baltic / Bitt. Amber
537. *Ulesanis parva* Wunderlich, 2008*b* ..... Pa Baltic / Bitt. amber

† ***Unispinatoda* Wunderlich, 2008*b*** ..... **Palaeogene**
538. *Unispinatoda aculeata* Wunderlich, 2008b* ..... Pa Baltic / Bitt. Amber

† ***Vicipholcomma* Wunderlich, 2008*b*** ..... **Palaeogene**
539. *Vicipholcomma spiralis* Wunderlich, 2008b* ..... Pa Baltic Amber

**Theridiidae *incertae sedis***
540. '*Eomysmena*' *succini* (Petrunkevitch, 1942) ..... Pa Baltic amber
541. '*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**
542. ?*Baalzebub mesozoicum* Penney, 2014 ..... K Vendée amber
    generic affinities questioned by Wunderlich & Müller (2018)

† ***Eocoddingtonia*** **Selden, 2010** ..... **Cretaceous**

543. *Eocoddingtonia eskovi* Selden, 2010* ..... K Baissa, Transbaikalia

† ***Eoepeirotypus*** **Wunderlich, 2004j** ..... **Palaeogene**

544. *Eoepeirotypus retrobulbus* Wunderlich, 2004j* ..... Pa Baltic amber

*Eoepeirotypus* sp. *in* Wunderlich (2004) ..... Pa Bitterfeld amber

† ***Eotheridiosoma*** **Wunderlich, 2004j** ..... **Palaeogene**

545. *?Eotheridiosoma hamatum* Wunderlich, 2011*e* ..... Pa Baltic amber

546. *Eotheridiosoma tuber* Wunderlich, 2004*j** ..... Pa Bitterfeld amber

547. *Eotheridiosoma volutum* Wunderlich, 2004*j* ..... Pa Bitterfeld amber

† ***Palaeoepeirotypus*** **Wunderlich, 1988** ..... **Neogene**

548. *Palaeoepeirotypus iuvenis* Wunderlich, 1988* ..... Ne Dominican amber

549. *Palaeoepeirotypus iuvenoides* Wunderlich, 1988 ..... Ne Dominican amber

† ***Spinitheridiosoma*** **Wunderlich, 2004*j*** ..... **Palaeogene**

type species designated from the wrong genus!

550. *Spinitheridiosoma balticum* Wunderlich, 2004*j* ..... Pa Baltic amber

551. *Spinitheridiosoma bispinosum* Wunderlich, 2004*j* ..... Pa Bitterfeld amber

552. *Spinitheridiosoma rima* Wunderlich, 2004*j* ..... Pa Baltic amber

***Theridiosoma*** **O. P.-Cambridge, 1879*b*** ..... **Neogene – Recent**

553. *Theridiosoma incompletum* Wunderlich, 1988 ..... Ne Dominican amber

† ***Umerosoma*** **Wunderlich, 2004*j*** ..... **Palaeogene**

554. *Umerosoma multispina* Wunderlich, 2004*j** ..... Pa Baltic amber

† **CRETAMYSMENIDAE Wunderlich *in* Wunderlich & Müller, 2018** ..... **Cretaceous**

† ***Cretamysmena*** **Wunderlich, 2004*j*** ..... **Cretaceous**

555. *Cretamysmena fontana* Wunderlich, 2004*j** ..... K Burmese amber

**MYSMENIDAE Petrunkevitch, 1928** ..... **Palaeogene – Recent**

Mysmeninae sp. *in* Wunderlich (2004*ar*) ..... Pa Rovno amber

† ***Dominicanopsis*** **Wunderlich, 2004*k*** ..... **Neogene**

556. *Dominicanopsis grimaldii* Wunderlich, 2004*k** ..... Ne Dominican amber

† ***Eomysmenopsis*** **Wunderlich, 2004*k*** ..... **Palaeogene**

557. *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

558. *Mysmena* (s.l.) *copalis* Wunderlich, 2011*f* ..... Qt Madagascan copal

559. *Mysmena curvata* Wunderlich, 2011*h* ..... Pa Baltic amber

560. *Mysmena dominicana* Wunderlich, 1998 ..... Qt Madagascan copal

561. *Mysmena fossilis* Petrunkevitch, 1971 ..... Ne Chiapas amber

562. *Mysmena groehni* Wunderlich, 2004*k* ..... Pa Baltic / Bitt. amber

563. *Mysmena grotae* Wunderlich, 2004*k* ..... Pa Baltic amber

***Mysmenopsis*** **Simon, 1897*b*** ..... **Neogene – Recent**

564. *Mysmenopsis lissycoleyae* Penney, 2000 ..... Ne Dominican amber

† ***Palaeomysmena* Wunderlich, 2004*k*** ..... **Palaeogene**

565. *Palaeomysmena hoffeinsorum* Wunderlich, 2004*k** ..... Pa Baltic amber

† **BALTSUCCINIDAE Wunderlich, 2004*l*** ..... **Palaeogene**

† ***Baltsuccinus* Wunderlich, 2004*l*** ..... **Palaeogene**

566. *Baltsuccinus flagellaceus* Wunderlich, 2004*l** ..... Pa Baltic amber

567. *Baltsuccinus similis* Wunderlich, 2004*l* ..... Pa Baltic amber

**SYMPHYTOGNATHIDAE Hickman, 1931** ..... **Recent**

no fossil record

**ANAPIDAE Simon, 1895** ..... **Palaeogene – Recent**

= MICROPHOLCOMMATIDAE Hickman, 1944

= TEXTRICELLIDAE Hickman, 1945

= HOLARCHAEIDAE Forster & Platnick, 1984

= COMAROMIDAE Wunderlich, 2004

Wunderlich (2011) recognised a family Comaromidae for *Balticoroma*.

† ***Balticoroma* Wunderlich, 2004*k*** ..... **Palaeogene**

= † *Balticorma* [*sic*] Weitschat & Wichard, 2002 [*nomen nudum*]

568. *Balticoroma damzeni* Wunderlich, 2011*h* ..... Pa Baltic amber

569. *Balticoroma ernstorum* Wunderlich, 2004*k* ..... Pa Baltic/Bitt. amber

570. *Balticoroma gracilipes* Wunderlich 2004*k* ..... Pa Baltic/Bitt. amber

571. *Balticoroma reschi* Wunderlich, 2004*k** ..... Pa Baltic amber

572. *Balticoroma serafinorum* Wunderlich, 2004*k* ..... Pa Baltic/Bitt. amber

573. *Balticoroma tibialis* Wunderlich, 2004*k* ..... Pa Baltic amber

574. *Balticoroma wheateri* Penney & Marusik *in* Penney *et al.* (2011) ..... Pa Baltic amber

† ***Balticonopsis* Wunderlich, 2004*k*** ..... **Palaeogene**

575. *Balticonopsis bispina* Wunderlich, 2004*k* ..... Pa Baltic amber

576. *Balticonopsis bitterfeldensis* Wunderlich, 2004*k* ..... Pa Bitterfeld amber

577. *Balticonopsis bulbosa* Wunderlich, 2004*k* ..... Pa Baltic amber

578. *Balticonopsis ceranowiczae* Wunderlich, 2004*k* ..... Pa Baltic amber

579. *Balticonopsis distalis* Wunderlich, 2017*a* ..... Pa Baltic amber

580. *Balticonopsis dunlopi* Wunderlich, 2017*a* ..... Pa Baltic amber

581. *Balticonopsis holti* Wunderlich, 2004*k** ..... Pa Baltic amber

582. *Balticonopsis ludwigi* Wunderlich, 2017*a* ..... Pa Bitterfeld amber

583. *Balticonopsis metatarsalis* Wunderlich, 2017*a* ..... Pa Baltic amber

584. *Balticonopsis perkovskyi* Wunderlich, 2004*ar* ..... Pa Rovno amber

probably belongs to a different genus (cf. Wunderlich 2017*a*)

585. *Balticonopsis thomasi* Wunderlich, 2004*k* ..... Pa Baltic amber

*Balticonopsis* sp. *in* Wunderlich (2004*k*) ..... Pa Baltic amber

† ***Cenotextricella* Penney *in* Penney *et al*., 2007** ..... **Palaeogene**

586. *Cenotextricella simoni* Penney *in* Penney *et al*., 2007 ..... Pa Le Quesnoy amber

† ***Dubianapis* Wunderlich, 2004*k*** ..... **Palaeogene**

587. *Dubianapis obscura* Wunderlich, 2004*k** ..... Pa Baltic amber

† ***Flagellanapis* Wunderlich, 2004*k*** ..... **Palaeogene**

588. *Flagellanapis voigti* Wunderlich, 2004*k** ..... Pa Baltic/Bitt. Amber

† ***Fossilanapis* Wunderlich, 2004*k*** ..... **Palaeogene**

589. *Fossilanapis anderseri* Wunderlich, 2004*k* ..... Pa Baltic amber

590. *Fossilanapis baetcheri* Wunderlich, 2004*k** ..... Pa Baltic amber

591. *Fossilanapis eichmanni* Wunderlich, 2004*k* ..... Pa Baltic amber

592. *Fossilanapis flexiotarsus* Wunderlich, 2004*k* ..... Pa Baltic amber

593. *Fossilanapis multispinae* Wunderlich, 2011*h* ..... Pa Baltic amber

594. *Fossilanapis saltans* Wunderlich, 2004*k* ..... Pa Baltic amber

595. *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**

596. *Palaeoanapis nana* Wunderlich, 1988* ..... Ne Dominican amber

† ***Ruganapis* Wunderlich, 2004*k*** ..... **Palaeogene**

597. *Ruganapis scutata* Wunderlich, 2004*k** ..... Pa Baltic amber

† ***Saxonanapis* Wunderlich, 2004*k*** ..... **Palaeogene**

598. *Saxonanapis grabenhorsti* Wunderlich, 2004*k** ..... Pa Baltic/Bitt. Amber

† ***Tuberanapis* Wunderlich, 2004*k*** ..... **Palaeogene**

599. *Tuberanapis parvibulbus* Wunderlich, 2004*k** ..... Pa Baltic amber

† **JURARANEIDAE Eskov, 1984** ..... **Jurassic**

† ***Juraraneus* Eskov, 1984** ..... **Jurassic**

600. *Juraraneus rasnitsyni* Eskov, 1984 ..... J Transbaikalia

Wunderlich (2015*b*) suggested this could be a haplogyne spider

† **ZARQARANEIDAE Wunderlich, 2008*d*** ..... **Cretaceous**

elevated from tribe status, cf. Wunderlich (2008*d*)

Zarqaraneidae indet. 1–2 *in* Wunderlich & Müller (2018) ..... K Burmese amber

† ***Alteraraneus* Wunderlich *in* Wunderlich & Müller, 2018** ..... **Cretaceous**

601. *Alteraraneus gracilipes* Wunderlich *in* Wunderlich & Müller, 2018* ..... K Burmese amber

† ***Burmaforceps* Wunderlich *in* Wunderlich & Müller, 2018** ..... **Cretaceous**

602. *Burmaforceps amputatus* Wunderlich *in* Wunderlich & Müller, 2018* ..... K Burmese amber

† ***Converszarqaraneus* Wunderlich *in* Wunderlich & Müller, 2018** ..... **Cretaceous**

603. *Converszarqaraneus annulipedes* Wunderlich *in* Wunderlich & Müller, 2018* ..... K Burmese amber

† ***Cornicaraneus* Wunderlich *in* Wunderlich & Müller, 2018** ..... **Cretaceous**

604. *Cornicaraneus scutatus* Wunderlich *in* Wunderlich & Müller, 2018* ..... K Burmese amber

† ***Crassitibia* Wunderlich, 2015*b*** ..... **Cretaceous**

605. *Crassitibia baculum* Wunderlich *in* Wunderlich & Müller, 2018 ..... K Burmese amber

606. *Crassitibia longispina* Wunderlich, 2015*b** ..... K Burmese amber

607. *Crassitibia tenuimana* Wunderlich, 2015*b* ..... K Burmese amber

† ***Curvitibia* Wunderlich, 2015*b*** ..... **Cretaceous**

608. *Curvitibia curima* Wunderlich, 2015*b**. ..... K Burmese amber

† ***Groehnianus* Wunderlich, 2015*b*** ..... **Cretaceous**

609. *Groehnianus burmensis* Wunderlich, 2015*b** ..... K Burmese amber

† ***Hypotheridiosoma* Wunderlich, 2012*d*** ..... **Cretaceous**

610. *Hypotheridiosoma falcata* Wunderlich, 2015*b* ..... K Burmese amber

611. *Hypotheridiosoma paracymbium* Wunderlich, 2012*d** ..... K Burmese amber

† ***Microproxiaraneus* Wunderlich *in* Wunderlich & Müller, 2018** ..... **Cretaceous**

612. *Microproxiaraneus annulatus* Wunderlich *in* Wunderlich & Müller, 2018* K Burmese amber

† ***Parvispina* Wunderlich, 2015*b*** ..... **Cretaceous**

613. *Parvispina tibialis* (Wunderlich, 2011*i*)* ..... K Burmese amber

† ***Paurospina* Wunderlich *in* Wunderlich & Müller, 2018** ..... **Cretaceous**

614. *Paurospina curvata* Wunderlich *in* Wunderlich & Müller, 2018* ..... K Burmese amber

615. *Paurospina fortis* Wunderlich *in* Wunderlich & Müller, 2018 ..... K Burmese amber

616. *Paurospina paulocurvata* Wunderlich *in* Wunderlich & Müller, 2018 ..... K Burmese amber

† ***Proxiaraneus* Wunderlich *in* Wunderlich & Müller, 2018** ..... **Cretaceous**

617. *Proxiaraneus rarus* Wunderlich *in* Wunderlich & Müller, 2018* ..... K Burmese amber

† ***Ramozarqaraneus* Wunderlich *in* Wunderlich & Müller, 2018** ..... **Cretaceous**

618. *Ramozarqaraneus pauxillus* Wunderlich *in* Wunderlich & Müller, 2018* K Burmese amber

† ***Spinicymbium* Wunderlich *in* Wunderlich & Müller, 2018** ..... **Cretaceous**

619. *Spinicymbium curvimetatarsus* Wunderlich *in* Wunderlich & Müller, 2018* ..... K Burmese amber

† ***Zarqaraneus* Wunderlich, 2008*d*** ..... **Cretaceous**

620. *Zarqaraneus hudae* Wunderlich, 2008*d** ..... K Jordanian amber

† **PRAEARANEIDAE Wunderlich, 2017*c*** ..... **Cretaceous**

† ***Praearaneus* Wunderlich, 2017*c*** ..... **Cretaceous**

621. *Praearaneus bruckschi* Wunderlich, 2017*c* ..... K Burmese amber

*Praearaneus* sp. *in* Wunderlich (2017*c*) ..... K Burmese amber

**ARANEIDAE Simon, 1895** ..... **Cretaceous – Recent**

= EPEIRIDAE Sundevall, 1833 [based on a generic synonym]

= EUETRIIDAE Thorell, 1887 [based on a generic synonym]

= ARGIOPIDAE Simon, 1890

= NEPHILIDAE Simon, 1894 [NB: some authors maintain this as a valid family]

= 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

Nephilidae indet. *in* Wunderlich (2012*c*) ..... Pa Baltic amber

Araneidae *incertae sedis in* Selden (2014*b*) ..... Pa Isle of Wight

† ***Anepeira* Wunderlich, 2004*i*** ..... **Palaeogene**

622. *Anepeira complicata* Wunderlich, 2004*i** ..... Pa Baltic amber

† ***Araneometa* Wunderlich, 1988** ..... **Neogene**

623. *Araneometa excelsa* Wunderlich, 1988 ..... Ne Dominican amber

624. *Araneometa herrlingi* Wunderlich, 1988* ..... Ne Dominican amber

625. *Araneometa spirembolus* Wunderlich, 1988 ..... Ne Dominican amber

*Araneometa* sp. *in* Wunderlich (1988) ..... Ne Dominican amber

***Araneus* Clerck, 1757** ..... **?Cretaceous – Recent**

626. *Araneus absconditus* (Scudder, 1890*a*) ..... Pa Florissant

627. *Araneus aethus* Chang, 2004 [generic assignment unreliable!] ..... K Jehol biota

628. *Araneus beipiaoensis* Chang, 2004 [generic assignment unreliable!] ..... K Jehol biota

629. *Araneus carbonaceous* Zhang, Sun & Zhang, 1994 ..... Ne Shanwang

630. *Araneus cinefactus* (Scudder, 1890a) ..... Pa Florissant

631. *Araneus defunctus* Petrunkevitch, 1958 ..... Pa Baltic amber

632. *Araneus delitus* (Scudder, 1890*a*) ..... Pa Florissant

633. *Araneus emertoni* (Scudder, 1890*a*) ..... Pa Florissant

634. *Araneus exustus* Petrunkevitch, 1963 ..... Ne Chiapas amber

635. *Araneus kinchloeae* Dunlop & Jekel, 2009 ..... Pa Florissant

ii. = *Araneus indistinctus* (Petrunkevitch, 1922) [preoccupied]

636. *Araneus inelegans* Zhang, Sun & Zhang, 1994 ..... Ne Shanwang

637. *Araneus leptopodus* Zhang, Sun & Zhang, 1994 ..... Ne Shanwang

638. *Araneus liaoxiensis* Chang, 2004 [generic assignment unreliable!] ..... K Jehol biota

639. *Araneus longimanus* (Petrunkevitch, 1922) ..... Pa Florissant

640. *Araneus* (*Calinurus*) *longipes* Dalman, 1826 ..... Qt Copal

641. *Araneus luianus* Zhang, Sun & Zhang, 1994 ..... Ne Shanwang

642. *Araneus meeki* (Scudder, 1890a) ..... Pa Florissant

643. *Araneus molassicus* (Heer, 1865) ..... Ne Öhningen

644. *Araneus nanus* Wunderlich, 1988 ..... Ne Dominican amber

645. *Araneus piceus* Lin, Zhang & Wang, 1989 ..... Ne Shanwang

646. *Araneus reheensis* Chang, 2004 [generic assignment unreliable!] ..... K Jehol biota

647. *Araneus ruidipedalis* Zhang, Sun & Zhang, 1994 ..... Ne Shanwang

648. *Araneus troschelii* (Bertkau, 1878*b*) ..... Ne Rott, Germany

649. *Araneus vulcanalis* (Scudder, 1890*a*) ..... Pa Florissant

?*Araneus* sp. *in* Wunderlich (2012*c*) ..... Pa Baltic amber

***Argiope* Audouin, 1826** ..... **Neogene – Recent**

= † *Magnaranea* Hong, 1985

650. *Argiope furva* (Hong, 1985) ..... Ne Shanwang

† ***Bararaneus* Wunderlich, 2004i** ..... **Palaeogene**

651. ?*Bararaneus annulatus* Wunderlich, 2004*i* ..... Pa Baltic amber

652. *Bararaneus evolvens* Wunderlich, 2004*i** ..... Pa Baltic amber

† ***Chrysometata* Wunderlich, 2004*h*** ..... **Palaeogene**

653. *Chrysometata palaearctica* Wunderlich, 2004*h** ..... Pa Baltic amber

† ***Cretaraneus* Selden, 1990** ..... **Cretaceous**

654. *Cretaraneus liaoningensis* Cheng, Meng & Wang *in* Cheng *et al*., 2008 ..... K Jehol biota

655. *Cretaraneus martensnetoi* Mesquita, 1996 ..... K Crato Formation

656. *Cretaraneus vilaltae* Selden, 1990* ..... K Sierra de Montsech

† ***Cyclososoma* Petrunkevitch, 1958** ..... **Palaeogene**

657. *Cyclososoma succini* Petrunkevitch, 1958* ..... Pa Baltic amber

***Enacrosoma* Mello-Leitão, 1932** ..... **Neogene – Recent**

658. *Enacrosoma verrucosa* (Wunderlich, 1988) ..... Ne Dominican amber

† ***Eoaraneus* Wunderlich, 2004*i*** ..... **Palaeogene**

659. *Eoaraneus complexus* Wunderlich, 2004*i** ..... Pa Baltic amber

† ***Eochorizopes* Wunderlich, 2008*a*** ..... **Palaeogene**

660. *Eochorizopes szeklinskiae* Wunderlich, 2008*a** ..... Pa Baltic amber

† ***Eonephila* Wunderlich, 2004*i*** ..... **Palaeogene**

661. *Eonephila bitterfeldensis* Wunderlich, 2004*i* ..... Pa Bitterfeld amber

662. *Eonephila excellens* Wunderlich, 2004*i** ..... Pa Baltic amber

663. *Eonephila longembolus* Wunderlich, 2004*i* ..... Pa Baltic amber

† ***Eozygiella* Wunderlich, 2004*h*** ..... **Palaeogene**

664. *Eozygiella compacta* Wunderlich, 2004*h** ..... Pa Baltic amber

† ***Eustaloides* Petrunkevitch, 1842** ..... **Palaeogene**

= † *Graea* Thorell, 1869 [older synonym, but preoccupied]

665. ?*Eustaloides aberrans* (Wunderlich, 2004*h*) ..... Pa Baltic amber

666. *Eustaloides bitterfeldensis* (Wunderlich, 2004*h*) ..... Pa Bitterfeld amber

667. *Eustaloides breviembolus* (Wunderlich, 2004*h*) ..... Pa Baltic amber

668. *Eustaloides brevis* (Wunderlich, 2004*h*) ..... Pa Baltic amber

669. *Eustaloides calceatus* Petrunkevitch, 1950 ..... Pa Baltic amber

670. *Eustaloides epeiroidea* (C. L. Koch & Berendt, 1854) ..... Pa Baltic amber

671. *Eustaloides impudica* (Wunderlich, 2004*h*) ..... Pa Baltic amber

672. *Eustaloides lingula* (Wunderlich, 2004*h*) ..... Pa Baltic amber

673. *Eustaloides magnocoli* (Wunderlich, 2012*c*) ..... Pa Baltic amber

674. *Eustaloides minor* Petrunkevitch, 1950 ..... Pa Baltic amber

675. *Eustaloides setosa* Petrunkevitch, 1942* ..... Pa Baltic amber

676. *Eustaloides succini* Petrunkevitch, 1942 ..... Pa Baltic amber

† ***Fossilaraneus* Wunderlich, 1988** ..... **Neogene**

677. *Fossilaraneus incertus* Wunderlich, 1988* ..... Ne Dominican amber

***Gea* C. L. Koch, 1843*a*** ..... **Neogene – Recent**

678. *Gea krantzi* von Heyden, 1859 ..... Ne Rott, Germany

***Hypognatha* Guérin, 1839** ..... **Quaternary – Recent**

679. *Hypognatha testudinaria* (Taczanowski, 1879) **[Recent]** ..... Qt Colombian copal

† ***Luxurionephila* Wunderlich, 2004*i*** ..... **Palaeogene**

680. *Luxurionephila spinifera* Wunderlich, 2004*i* ..... Pa Baltic amber

† ***Meditrina* Petrunkevitch, 1942** ..... **Palaeogene**

681. *Meditrina circumvallata* Petrunkevitch, 1942* ..... Pa Baltic amber

† ***Mesozygiella* Penney & Ortuño, 2006** ..... **Cretaceous**

682. *Mesozygiella dunlopi* Penney & Ortuño, 2006* ..... K Álava amber

† ***Minutunguis* Wunderlich, 2011*f*** ..... **Quaternary**

683. *Minutunguis silvestris* Wunderlich, 2011*f* * ..... Qt Madagascan copal

† ***Miraraneus* Wunderlich, 2004*i*** ..... **Palaeogene**

684. *Miraraneus peregrinus* Wunderlich, 2004*i** ..... Pa Baltic amber

† ***Mirometa* Petrunkevitch, 1963** ..... **Neogene**

685. *Mirometa valdespinosa* Petrunkevitch, 1963 ..... Ne Chiapas amber

***Molinaranea* Mello-Leitão, 1940** ..... **Neogene – Recent**

686. *Molinaranea mitnickii* Saupe, Selden & Penney, 2010 ..... Ne Dominican amber

***Nephila* Leach, 1815** ..... **Cretaceous – Recent**

= † *Geratonephila* Poinar *in* Poinar & Buckley, 2012

687. *Nephila breviembolus* Wunderlich, 1986 ..... Ne Dominican amber

688. *Nephila burmanica* (Poinar *in* Poinar & Buckley, 2012) ..... K Burmese amber

Wunderlich (2015b) suggested that this may be a synonym of *N. tenuis*

689. *Nephila dommeli* Wunderlich, 1982 ..... Ne Dominican amber

690. *Nephila furca* Wunderlich, 1986 ..... Ne Dominican amber

691. *Nephila longembolus* Wunderlich, 1986 ..... Ne Dominican amber

692. *Nephila pennatipes* Scudder, 1885 ..... Pa Florissant

693. *Nephila tenuis* Wunderlich, 1986 ..... Ne Dominican amber

*Nephila* sp. *in* Dunlop & Penney (2012) ..... K Crato Formation

† ***Palaeonephila* Wunderlich, 2004*i*** ..... **Palaeogene**

694. *Palaeonephila brevis* Wunderlich, 2004*i* ..... Pa Baltic amber

695. *Palaeonephila curvata* Wunderlich, 2004*i** ..... Pa Baltic amber

696. *Palaeonephila dilitans* Wunderlich, 2004*i* ..... Pa Baltic amber

697. *Palaeonephila fibula* Wunderlich, 2004*i* ..... Pa Baltic amber

698. *Palaeonephila longipes* Wunderlich, 2004*i* ..... Pa Baltic amber

† ***Pycnosinga* Wunderlich, 1988** ..... **Neogene**

699. *Pycnosinga fossilis* Wunderlich, 1988* ..... Ne Dominican amber

† ***Pulchellaranea* Poinar, 2015** ..... **Neogene**

700. *Pulchellaranea pedunculata* Poinar, 2015* ..... Ne Dominican amber

† ***Testudinaroides* Dunlop & Jekel, 2008** ..... **Neogene**

= † *Testudinaria* Zhang, Sun & Zhang, 1994 [preoccupied]

701. *Testudinaroides papposa* (Zhang, Sun & Zhang, 1994) ..... Ne Shanwang

† ***Tethneus* Scudder, 1885** ..... **Palaeogene**

= † *Melanites* Hong, 1985

702. *Tethneus guyoti* Scudder, 1890a ..... Pa Florissant
703. *Tethneus hentzi* Scudder, 1885* ..... Pa Florissant
704. *Tethneus obduratus* Scudder, 1890*a* ..... Pa Florissant
705. *Tethneus orbiculatus* (Hong, 1985) ..... Ne Shanwang
706. *Tethneus provectus* Scudder, 1890a ..... Pa Florissant
707. *Tethneus robustus* Petrunkevitch, 1922 ..... Pa Florissant
708. *Tethneus twenhofeli* Petrunkevitch, 1922 ..... Pa Florissant

***Zilla* C. L. Koch, 1834** ..... **Palaeogene – Recent**

709. *Zilla gracilis* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber
710. *Zilla porrecta* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber
711. *Zilla veterana* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

**MALKARIDAE Davies, 1980** ..... **Recent**

= PARARCHAEIDAE Forster & Platnick, 1984
= 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]

712. *Ero carboneana* Petrunkevitch, 1942 ..... Pa Baltic amber
713. *Ero aberrans* Petrunkevitch, 1958 ..... Pa Baltic amber
treated as a *nomen dubium* by Harms & Dunlop (2009)
714. *Ero (Succinero) clunis* Wunderlich, 2012*c* ..... Pa Baltic amber
715. *Ero (Succinero) gracilitibialis* Wunderlich, 2012*c* ..... Pa Baltic amber
716. *Ero (Paleoero) longitarsus* (Wunderlich, 2004*q*) ..... Pa Baltic amber
717. *Ero permunda* Petrunkevitch, 1942 ..... Pa Baltic amber
718. *Ero (Succinero) rovnoensis* (Wunderlich, 2004*ar*) ..... Pa Rovno amber
719. *Ero (Succinero) veta* Wunderlich, 2012*c* ..... Pa Baltic amber

***Mimetus* Hentz, 1832** ..... **Palaeogene – Recent**

720. *Mimetus bituberculatus* Wunderlich, 1988 ..... Ne Dominican amber
721. *Mimetus brevipes* Wunderlich, 2004*q* ..... Pa Baltic amber
synonymised by Harms & Dunlop (2009), but ressurected by Wunderlich (2012*c*)
722. ?*Mimetus longipes* Wunderlich, 2004*q* ..... Pa Baltic amber

?*Mimetus* sp. *in* Wunderlich (1988) ..... Ne Dominican amber

† ***Protomimetus* Wunderlich, 2011** ..... **Palaeogene**

723. ?*Protomimetus breviclypeus* Wunderlich, 2011*h* ..... Pa Baltic amber

724. *Protomimetus longiclypeus* Wunderlich, 2011*h** ..... Pa Baltic amber

**ARKYIDAE L. Koch, 1872**

no fossil record

**TETRAGNATHIDAE Menge, 1866** ..... **Cretaceous – Recent**

= PACHYGNATHIDAE Menge, 1866

= METIDAE Simon, 1894

= NANOMETIDAE Forster & Forster, 1999

† ***Anameta* Wunderlich, 2004*h*** ..... **Palaeogene**

725. *Anameta distenda* Wunderlich, 2004*h** ..... Pa Bitterfeld amber

726. *Anameta kuntneri* Wunderlich, 2008*a* ..... Pa Baltic amber

***Azilia* Keyserling, 1882** ..... **Neogene – Recent**

727. *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**

728. *Balticgnatha projectens* Wunderlich 2011*h** ..... Pa Baltic amber

† ***Baltleucauge* Wunderlich, 2008*a*** ..... **Palaeogene**

729. *Baltleucauge gillespiae* Wunderlich 2008*a** ..... Pa Baltic amber

730. *Baltleucauge propinqua* Wunderlich, 2012*c* ..... Pa Baltic amber

† ***Corneometa* Wunderlich, 2004*h*** ..... **Palaeogene**

731. *Corneometa baltica* Wunderlich 2004*h** ..... Pa Baltic amber

732. *Corneometa pilosipes* Wunderlich 2004*h* ..... Pa Baltic amber

***Cyrtognatha* Keyserling, 1882** ..... **Neogene – Recent**

733. *Cyrtognatha weitschati* Wunderlich, 1988 ..... Ne Dominican amber

† ***Eometa* Petrunkevitch, 1958** ..... **Palaeogene**

734. *Eometa calefacta* Wunderlich, 2004h ..... Pa Baltic amber

735. *Eometa longipes* Petrunkevitch, 1958 ..... Pa Baltic amber

736. *Eometa occulta* Wunderlich, 2004h ..... Pa Baltic amber

737. *Eometa perfecta* Wunderlich, 2004h ..... Pa Baltic amber

738. *Eometa samlandica* Petrunkevitch, 1958* ..... Pa Baltic amber

*Eometa* sp. 1–2 *in* Wunderlich (2004h) ..... Pa Baltic amber

***Homalometa* Simon, 1897*b*** ..... **Neogene – Recent**

739. *Homalometa fossilis* Wunderlich, 1988 ..... Ne Dominican amber

† ***Huergina* Selden & Penney, 2003** ..... **Cretaceous**

740. *Huergina diazromerali* Selden & Penney, 2003* ..... K Las Hoyas, Spain

† ***Macryphantes* Selden, 1990** ..... **Cretaceous**

Wunderlich (2015*b*) suggested this genus could be a synonym of *Paleouloborus*.

741. *Macryphantes cowdeni* Selden, 1990* ..... K Sierra de Montsech

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

742. *Meta* (*Praetermeta*) *maculosa* Wunderlich, 2008*a* ..... Pa Baltic amber

743. *Meta* (*Praetermeta*) *velans* (Wunderlich, 2004*h*) ..... Pa Baltic amber

† ***Palaeometa* Petrunkevitch, 1922** ..... **Palaeogene**

744. *Palaeometa opertanea* (Scudder, 1890a)* ..... Pa Florissant

† ***Palaeopachygnatha* Petrunkevitch, 1922** ..... **Palaeogene**

745. *Palaeopachygnatha cockerelli* Petrunkevitch, 1922 ..... Pa Florissant

746. *Palaeopachygnatha scudderi* Petrunkevitch, 1922* ..... Pa Florissant

† ***Priscometa* Petrunkevitch, 1958** ..... **Palaeogene**

747. *Priscometa capta* Wunderlich, 2004*h* ..... Pa Baltic amber

748. *Priscometa minor* Wunderlich, 2004*h* ..... Pa Baltic amber

749. *Priscometa tenuipes* Petrunkevitch, 1958* ..... Pa Baltic amber

† ***Samlandicmeta* Wunderlich, 2012*c*** ..... **Palaeogene**

750. *Samlandicmeta mutila* Wunderlich, 2012*c* ..... Pa Baltic amber

***Tetragnatha* Latreille, 1804*a*** ..... **Palaeogene – Recent**

751. *Tetragnatha parva* (Hong, 1985) ..... Ne Shanwang

752. *Tetragnatha pristina* Schawaller, 1982*c* ..... Ne Dominican amber

753. *Tetragnatha tertiaria* Scudder, 1885 ..... Pa Florissant

**SYNOTAXIDAE Simon, 1894** ..... **Palaeogene – Recent**

† ***Acrometa* Petrunkevitch, 194**2 ..... **Palaeogene**

= † *Eogonatium* Petrunkevitch, 1942

= † *Liticen* Petrunkevitch, 1942

= † *Theridiometa* Petrunkevitch, 1942

= † *Viocurus* Petrunkevitch, 1958

754. *Acrometa clava* Wunderlich, 2004*n* ..... Pa Baltic amber

755. *Acrometa cristata* Petrunkevitch, 1942* ..... Pa NE Europe ambers

i. = *Theridiometa edwardsi* Petrunkevitch, 1942 ..... Pa Baltic amber

ii. = *Viocurus fossilis* Petrunkevitch, 1958 ..... Pa Baltic amber

756. *Acrometa eichmanni* Wunderlich, 2004n ..... Pa Baltic amber

757. *Acrometa incidens* Wunderlich, 2004n ..... Pa Baltic amber

758. *Acrometa minutum* (Petrunkevitch, 1942) ..... Pa Baltic amber

759. *Acrometa pala* Wunderlich, 2004n ..... Pa Baltic amber

760. *Acrometa robusta* (Petrunkevitch, 1942) ..... Pa Baltic amber

761. *Acrometa pseudorobusta* Dunlop & Jekel, 2009 ..... Pa Baltic amber

i. = *Acrometa robusta* (Petrunkevitch, 1946) [preoccupied]

762. *Acrometa samlandica* (Petrunkevitch, 1942) ..... Pa Baltic amber

763. *Acrometa setosus* (Petrunkevitch, 1942) ..... Pa Baltic amber

764. *Acrometa succini* Petrunkevitch, 1942 ..... Pa Baltic amber

† ***Anandrus* Menge, 1856** ..... **Palaeogene**

= † *Elucus* Petrunkevitch, 1942

765. *Anandrus inermis* (Petrunkevitch, 1942) ..... Pa Baltic amber

766. *Anandrus infelix* (Petrunkevitch, 1950)* ..... Pa Baltic amber

767. *Anandrus quaesitus* (Petrunkevitch, 1958) ..... Pa Baltic amber

768. *Anandrus redemptus* (Petrunkevitch, 1958) ..... Pa Baltic amber

† ***Chelicerinus* Wunderlich, 2008*a*** ..... **Palaeogene**

769. *Chelicerinus abnormis* Wunderlich, 2008*a* ..... Pa Bitterfeld amber

† ***Cornuanandrus* Wunderlich, 1986** ..... **Palaeogene**

770. *Cornuanandrus bifurcatus* Wunderlich, 2004*n* ..... Pa Bitterfeld amber

771. *Cornuanandrus bitterfeldensis* Wunderlich, 2004*n* ..... Pa Bitterfeld amber

772. *Cornuanandrus corniculans* Wunderlich, 2004*n* ..... Pa Baltic amber

773. *Cornuanandrus maior* Wunderlich, 1986* ..... Pa Baltic amber

774. *Cornuanandrus minor* Wunderlich, 2004*n* ..... Pa Baltic amber

† ***Dubiosynotaxus* Wunderlich, 2004*n*** ..... **Palaeogene**

775. *Dubiosynotaxus perfectus* Wunderlich, 2004*n** ..... Pa Baltic amber

† ***Eosynotaxus* Wunderlich, 2004*n*** ..... **Palaeogene**

776. *Eosynotaxus bispinosus* Wunderlich, 2004*n* ..... Pa Baltic amber

777. *Eosynotaxus bitterfeldensis* Wunderlich, 2004*n* ..... Pa Bitterfeld amber

778. *Eosynotaxus custodens* Wunderlich, 2004*n* ..... Pa Baltic amber

779. *Eosynotaxus fastigatus* Wunderlich, 2004*n* ..... Pa Baltic amber

780. *Eosynotaxus paucispina* Wunderlich, 2004*n* ..... Pa Baltic amber

781. *Eosynotaxus spinipes* Wunderlich, 2004*n* ..... Pa Baltic amber

782. *Eosynotaxus wegneri* Wunderlich, 2004*n** ..... Pa Baltic amber

† ***Gibbersynotaxus* Wunderlich, 2004*n*** ..... **Palaeogene**

783. *Gibbersynotaxus parvus* Wunderlich, 2004*n** ..... Pa Baltic amber

† ***Protophysoglenes* Wunderlich, 2004*n*** ..... **Palaeogene**

784. *Protophysoglenes impressum* Wunderlich, 2004*n** ..... Pa Baltic amber

† ***Pseudoacrometa* Wunderlich, 1986** ..... **Palaeogene**

785. *Pseudoacrometa gracilipes* Wunderlich, 1986* ..... Pa Baltic amber

786. *Pseudoacrometa wittmanni* Wunderlich, 2004*n* ..... Pa Baltic amber

† ***Succinitaxus* Wunderlich, 2004*n*** ..... **Palaeogene**

787. *Succinitaxus brevis* Wunderlich, 2004*n** ..... Pa European ambers

788. ?*Succinitaxus minutus* Wunderlich, 2004*n* ..... Pa Baltic amber

† ***Sulcosynotaxus* Wunderlich, 2004*n*** ..... **Palaeogene**

789. *Sulcosynotaxus cavatus* Wunderlich, 2004*n** ..... Pa Baltic amber

**NESTICIDAE Simon, 1894** ..... **Palaeogene – Recent**

† ***Balticonesticus* Wunderlich, 1986** ..... **Palaeogene**

790. *Balticonesticus flexuosus* Wunderlich, 1986* ..... Pa Baltic amber

***Eidmanella* Roewer, 1935** ..... **Quaternary**

791. *Eidmanella pallida* (Emerton, 1875) **[Recent]** ..... Qt Madagascar copal

† ***Eopopino* Petrunkevitch, 1942** ..... **Palaeogene**

792. *Eopopino budrysi* Eskov & Marusik, 1992 ..... Pa Baltic amber

793. *Eopopino inopinatus affinis* Wunderlich, 1986 ..... Pa Baltic amber

794. *Eopopino inopinatus inopinatus* Wunderlich, 1986 ..... Pa Baltic amber

795. *Eopopino longipes* Petrunkevitch, 1942* ..... Pa Baltic amber
796. *Eopopino palanga* Eskov & Marusik, 1992 ..... Pa Baltic amber
797. *Eopopino rarus rarus* Wunderlich, 1986 ..... Pa Baltic amber
798. *Eopopino rarus solitarius* Wunderlich, 1986 ..... Pa Baltic amber
799. *Eopopino rudloffi* Wunderlich, 2004*o* ..... Pa Bitterfeld amber
*Eopopino* sp. *in* Wunderlich (1986) ..... Pa Bitterfeld amber

† ***Heteronesticus* Wunderlich, 1986** ..... **Palaeogene**
800. *Heteronesticus magnoparacymbialis* Wunderlich, 1986* ..... Pa Baltic amber

† ***Hispanonesticus* Wunderlich, 1986** ..... **Neogene**
801. *Hispanonesticus latopalpus* Wunderlich, 1986* ..... Ne Dominican amber

**CYATHOLIPIDAE Simon, 1894** ..... **Palaeogene – Recent**
= TEEMENAARIDAE Davies, 1978

† ***Balticolipus* Wunderlich, 2004*m*** ..... **Palaeogene**
802. *Balticolipus kruemmeri* Wunderlich, 2004*m** ..... Pa Baltic / Bitt. amber

† ***Cyathosuccinus* Wunderlich, 2004*m*** ..... **Palaeogene**
803. *Cyathosuccinus elongatus* Wunderlich, 2004*m** ..... Pa Baltic amber

† ***Erigolipus* Wunderlich, 2004*m*** ..... **Palaeogene**
804. *Erigolipus griswoldi* Wunderlich, 2004*m** ..... Pa Baltic amber

† ***Spinilipus* Wunderlich, 1993*b*** ..... **Palaeogene**
805. *Spinilipus bispinosus* Wunderlich, 2004*m* ..... Pa Bitterfeld amber
806. *Spinilipus curvatus* Wunderlich, 2004*m* ..... Pa Bitterfeld amber
807. *Spinilipus glinki* Wunderlich, 2004*m* ..... Pa Baltic amber
808. *Spinilipus kerneggeri* Wunderlich, 1993*b** ..... Pa Baltic amber
809. *Spinilipus longembolus* Wunderlich, 2004*m* ..... Pa Baltic amber

† ***Succinilipus* Wunderlich, 1993*b*** ..... **Palaeogene**
810. *Succinilipus abditus* Wunderlich, 2004*m* ..... Pa Baltic / Bitt. amber
811. *Succinilipus aspinosus* Wunderlich, 2004*m* ..... Pa Bitterfeld amber
812. *Succinilipus saxoniensis* Wunderlich, 1993*b* ..... Pa Bitterfeld amber
813. *Succinilipus similis* Wunderlich, 2004*m* ..... Pa Bitterfeld amber
814. *Succinilipus teuberi* Wunderlich, 1993*b** ..... Pa Baltic amber
*Succinilipus* sp. *in* Wunderlich (2004*m*) ..... Pa Baltic / Bitt. Amber

**PHYSOGLENIDAE Petrunkevitch, 1928** ..... **Recent**
no fossil record

**PIMOIDAE Wunderlich, 1986** ..... **Palaeogene – Recent**

***Pimoa* Chamberlin & Ivie, 1943** ..... **Palaeogene – Recent**
815. *Pimoa expandens* Wunderlich, 2004*r* ..... Pa Baltic amber
816. *Pimoa (Eopimoa) hormigai* Wunderlich, 2004*r* ..... Pa Baltic amber
817. *Pimoa inopinata* Wunderlich, 2004*r* ..... Pa Baltic amber
818. *Pimoa liedtkei* Wunderlich, 2004*r* ..... Pa Baltic amber

819. *Pimoa lingua* Wunderlich, 2004*r* ..... Pa Baltic amber
820. *Pimoa (Eopimoa) longiscapus* Wunderlich, 2008*a* ..... Pa Baltic amber
821. *Pimoa multicuspuli* Wunderlich, 2004*r* ..... Pa Baltic amber
822. *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**

823. *Pumiliopimoa parma* Wunderlich, 2008*a** ..... Pa Baltic amber

**LINYPHIIDAE Blackwall, 1859** ..... **Cretaceous – Recent**

= MICRYPHANTIDAE Bertkau, 1878*a*

= ERIGONIDAE Simon, 1884*c*

= SINOPIMOIDAE Li & Wunderlich, 2008

?Linyphiidae gen. et sp. indet *in* McAlpine & Martin (1969) ..... K Canadian amber

Linyphiidae gen. et sp. indet *in* Penney (2002) ..... K New Jersey amber

Linyphiidae gen. et sp. indet *in* Schmidt *et al*. (2010) ..... Ne Ethiopian amber

Linyphiinae gen. et sp. indet *in* Penney & Selden (2002) ..... K Lebanese amber

Wunderlich (2012*d*) and Wunderlich & Müller (2018) questioned the veracity of the Cretaceous linyphiids

† ***Agynetiphantes* Wunderlich, 2004*s*** ..... **Palaeogene**

824. *Agynetiphantes gibbiferus* Wunderlich, 2004*s** ..... Pa Baltic amber

***Ceratinopsis* Emerton, 1882** ..... **Quaternary – Recent**

825. *Ceratinopsis deformans* (Wunderlich, 1998) ..... Qt Madagascan copal

***Cnephalocotes* Simon, 1884*c*** ..... **Quaternary – Recent**

826. *Cnephalocotes obscurus* (Blackwall, 1834*b*) **[Recent]** ..... Qt England

† ***Custodela* Petrunkevitch, 1942** ..... **Palaeogene**

= † *Obnisus* Petrunkevitch, 1942 [tenative synonomy]

827. *Custodela acuta* Wunderlich, 2004*s* ..... Pa Baltic amber
828. *Custodela acutula* Wunderlich, 2004*s* ..... Pa Bitterfeld amber
829. *Custodela bispina* Wunderlich, 2004*s* ..... Pa Bitterfeld amber
830. *Custodela bispinosa* Wunderlich, 2004*s* ..... Pa Bitterfeld amber
831. *Custodela cheiracantha* (C. L. Koch & Berendt, 1854)* ..... Pa Baltic amber
832. *Custodela clava* Wunderlich, 2004*s* ..... Pa Baltic amber
833. *Custodela curva* Wunderlich, 2004*s* ..... Pa Baltic amber
834. *Custodela curvata* Wunderlich, 2004*s* ..... Pa Bitterfeld amber
835. *Custodela divergens* Wunderlich, 2004*s* ..... Pa Baltic amber
836. *Custodela expandens* Wunderlich, 2004*s* ..... Pa Baltic amber
837. *Custodela falcata* Wunderlich, 2004*s* ..... Pa Baltic amber
838. *Custodela femurspinosa* Wunderlich, 2004*s* ..... Pa Bitterfeld amber
839. *Custodela henningseni* Wunderlich, 2004*s* ..... Pa Baltic amber

840. *Custodela kochi* Wunderlich, 2004*s* ..... Pa Baltic amber
841. *Custodela lamellata* (Wunderlich, 1988) ..... Pa Baltic amber
842. *Custodela lanx* Wunderlich, 2004*s* ..... Pa Baltic amber
843. *Custodela oblonga* (C. L. Koch & Berendt, 1854) ..... Pa Baltic amber
844. *Custodela obtusa* Wunderlich, 2004*s* ..... Pa Baltic amber
845. *?Custodela parva* Wunderlich, 2004*s* ..... Pa Bitterfeld amber
846. *Custodela pseudokochi* Wunderlich, 2004*s* ..... Pa Baltic amber
847. *Custodela stridulans* Wunderlich, 2004*s* ..... Pa Bitterfeld amber
848. *Custodela tenuipes* (Petrunkevitch, 1942) ..... Pa Baltic amber
849. *Custodela tibialis* Wunderlich, 2004*s* ..... Pa Baltic amber

*Custodela* sp. *in* Wunderlich (2004*s*) ..... Pa Bitterfeld amber

† ***Custodelela* Wunderlich, 2004s** ..... **Palaeogene**

850. *Custodelela hamata* Wunderlich, 2004*s** ..... Pa Bitterfeld amber

† ***Eolabulla* Wunderlich, 2004s** ..... **Palaeogene**

851. *Eolabulla falcata* Wunderlich, 2004*s* ..... Pa Baltic amber
852. *Eolabulla gladiformis* Wunderlich, 2004*s* ..... Pa Baltic amber
853. *Eolabulla laminata* Wunderlich, 2004*s** ..... Pa Baltic amber
854. *Eolabulla perforata* Wunderlich, 2004*s* ..... Pa Baltic amber
855. *Eolabulla sagitta* Wunderlich, 2004*s* ..... Pa Baltic amber
856. *Eolabulla similis* Wunderlich, 2004*s* ..... Pa Baltic amber

*Eolabulla* sp. 1–2 *in* Wunderlich (2004*s*) ..... Pa Baltic amber

† ***Eophantes* Wunderlich, 2004s** ..... **Palaeogene**

857. *Eophantes complicatus* Wunderlich, 2004*s** ..... Pa Baltic amber
858. *?Eophantes seorsum* Wunderlich, 2012*c* ..... Pa Baltic amber

***Erigone* Audouin, 1826** ..... **Neogene – Recent**

859. *Erigone atra* Blackwall, 1833 **[Recent]** ..... Qt England
860. *?Erigone dechenii* Bertkau, 1878*b* ..... Ne Rott, Germany

*Erigone* sp. *in* Hopkins *et al*. (1976) ..... Qt Alaska

***Floricomus* Crosby & Bishop, 1925** ..... **Neogene – Recent**

861. *Floricomus fossilis* Penney, 2005*c* ..... Ne Dominican amber

***Gonatium* Menge, 1868** ..... **Quaternary – Recent**

862. *Gonatium rubens* (Blackwall, 1833) **[Recent]** ..... Qt England

***Hypselistes* Simon, 1894** ..... **Quaternary – Recent**

863. *Hypselistes jacksoni* (O. P.-Cambridge, 1902) **[Recent]** ..... Qt England

***Linyphia* Latreille, 1804*a*** ..... **Palaeogene – Recent**

864. *Linyphia andraei* Bertkau, 1878*b* ..... Ne Rott, Germany
865. *Linyphia byrami* Cockerell, 1925 ..... Pa Green River
866. *Linyphia florissanti* Petrunkevitch, 1922 ..... Pa Florissant
867. *Linyphia pachygnathoides* Petrunkevitch, 1922 ..... Pa Florissant
868. *Linyphia quievreuxi* Berland, 1939 ..... Pa Aix-en-Provence
869. *Linyphia retensa* Scudder, 1890*a* ..... Pa Florissant

870. *Linyphia rottensis* Bertkau, 1878*b* ..... Ne Rott, Germany

871. *Linyphia seclusa* (Scudder, 1890*a*) ..... Pa Florissant

† ***Madagascarphantes* Wunderlich, 2012*a*** ..... **Quaternary**

872. *Madagascarphantes vomerans* Wunderlich, 2012*a** ..... Qt Madagascan copal

† ***Malepellis* Petrunkevitch, 1971** ..... **Neogene**

873. *Malepellis extincta* Petrunkevitch, 1971* ..... Ne Chiapas amber

***Meioneta* Hull, 1920** ..... **Neogene – Recent**

874. *Meioneta bigibber* (Wunderlich, 1988 ..... Ne Dominican amber

875. *Meioneta fastigata* (Wunderlich, 1988) ..... Ne Dominican amber

876. *Meioneta separata* (Wunderlich, 1988) ..... Ne Dominican amber

*Meioneta* sp. *in* Wunderlich (1988) ..... Ne Dominican amber

***Micryphantes* C. L. Koch, 1833** ..... **Palaeogene**

877. *Micryphantes molybdinus* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

878. *Micryphantes regularis* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

† ***Mystagogus* Petrunkevitch, 1942** ...[Wunderlich suggests possibly in Cyatholipidae] **Palaeogene**

879. *Mystagogus dubius* Petrunkevitch, 1958 ..... Pa Baltic amber

880. *Mystagogus glaber* Petrunkevitch, 1942* ..... Pa Baltic amber

† ***Paralabulla* Wunderlich, 2004*s*** ..... **Palaeogene**

881. *Paralabulla bitterfeldensis* Wunderlich, 2004*s** ..... Pa Bitterfeld amber

882. ?*Paralabulla dubia* Wunderlich, 2004*s* ..... Pa Baltic amber

883. *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**

884. *Pocadicnemis pumila* (Blackwall, 1841) **[Recent]** ..... Qt England

***Savignia* Blackwall, 1833** ..... **Quaternary – Recent**

885. *Savignia frontata* Blackwall, 1833 **[Recent]** ..... Qt England

***Selenyphantes* Gertsch & Davis, 1946** ..... **Neogene – Recent**

= † *Palaeolinyphia* Wunderlich, 1986

886. *Selenyphantes flagellifera* (Wunderlich, 1986) ..... Ne Dominican amber

† ***Succineta* Wunderlich, 2004*s*** ..... **Palaeogene**

887. *Succineta brevispina* Wunderlich, 2004*s* ..... Pa Baltic amber

888. *Succineta discoidalis* Wunderlich, 2004*s** ..... Pa Baltic amber

*Succineta* sp. *in* Wunderlich (2004*s*) ..... Pa Baltic amber

† ***Succiphantes* Wunderlich, 2004*s*** ..... **Palaeogene**

889. *Succiphantes tanasevitchi* Wunderlich, 2004*s* ..... Pa Baltic amber

890. *Succiphantes velteni* Wunderlich, 2004*s** ..... Pa Baltic amber

***Toschia* Caporiacco, 1949** ..... **Quaternary – Recent**

891. ?*Toschia fossilis* Wunderlich, 2004*as* ..... Qt Madagascan copal

**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

**DEINOPOIDEA C. L. Koch, 1851** ..... **Jurassic – Recent**

**Stem Deinopoidea**

† ***Zhizhu* Selden, Ren & Shih, 2016** ..... **Jurassic – Cretaceous**

892. *Zhizhu daohugouensis* Selden, Ren & Shih, 2016* ..... J Daohugou

893. *Zhizhu jeholensis* Selden, Ren & Shih, 2016 ..... K Jehol Biota

† **BURMADICTYNIDAE Wunderlich, 2017*c*** ..... **Cretaceous**

† ***Burmadictyna* Wunderlich, 2008*d*** ..... **Cretaceous**

?*Burmadictyna* sp. *in* Wunderlich (2015*b*) ..... K Burmese amber

*Burmadictyna* sp. indet *in* Wunderlich (2017*c*) ..... K Burmese amber

894. *Burmadictyna clava* Wunderlich, 2015*b* ..... K Burmese amber

895. *Burmadictyna excavata* Wunderlich, 2015*b* ..... K Burmese amber

896. *Burmadictyna pecten* Wunderlich, 2008*d** ..... K Burmese amber

897. *Burmadictyna postcopula* Wunderlich, 2017*c* ..... K Burmese amber

† ***Eodeinopis* Wunderlich, 2017*c*** ..... **Cretaceous**

898. *Eodeinopis longipes* Wunderlich, 2017c* ..... K Burmese amber

† **SALTICOIDIDAE Wunderlich, 2008*d*** ..... **Cretaceous**

† ***Palaeomicromennus* Penney, 2003** ..... **Cretaceous**

899. *Palaeomicromenneus lebanensis* Penney, 2003*b** ..... K Lebanese amber

† ***Salticoidus* Wunderlich, 2008*d*** ..... **Cretaceous**

900. *Salticoidus kaddumiorum* Wunderlich, 2008*d** ..... K Jordanian amber

**DEINOPIDAE C. L. Koch, 1851** ..... **Cretaceous – Recent**

***Deinopis* MacLeay, 1839** ..... **Quaternary – Recent**

901. *Deinopis* ?*madagascariensis* Lenz, 1886 **[Recent]** ..... Qt Madagascar copal

† ***Deinopoides* MacLeay, 1839** ..... **Cretaceous**

902. *Deinopoides tranquillus* Wunderlich, 2017*c* ..... K Burmese amber

***Menneus* Simon, 1876*b*** ..... **Palaeogene – Recent**

903. ?*Menneus pietrzeniukae* Wunderlich, 2004*g* ..... Pa Baltic amber

?*Menneus* sp. 1–3 *in* Wunderlich (2004*g*) ..... Pa Baltic amber

**SYNAPHRIDAE Wunderlich, 1986** ..... **Palaeogene – Recent**

† ***Iardinidis* Wunderlich 2004*k*** ..... **Palaeogene**

904. *Iardinidis brevipes* Wunderlich, 2004*k** ..... Pa Baltic amber

**OECOBIOIDEA Blackwall, 1862** ..... **Cretaceous – Recent**

Oecobioidea fam. indet. *in* Wunderlich (2008*d*) ..... K Burmese amber

Oecobioidea indet. *in* Wunderlich 2015*b* ..... K Jordanian 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**

905. *Burmesiola cretacea* Wunderlich, 2011*i** ..... K Burmese amber

906. *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

907. *"Fictotama" maculosa* Wunderlich, 2011*g* ..... Ne Dominican amber

† ***Gerdia*** **Menge, 1869** ..... **Palaeogene**

908. *Gerdia myura* Menge, 1869* ..... Pa Baltic amber

† ***Gerdiopsis*** **Wunderlich, 2004*e*** ..... **Palaeogene**

909. *Gerdiopsis infrigens* Wunderlich, 2004*e** ..... Pa Baltic amber

† ***Gerdiorum*** **Wunderlich 2004*e*** ..... **Palaeogene**

910. *Gerdiorum inflexum* Wunderlich 2004*e** ..... Pa Baltic amber

***Hersilia*** **Audouin, 1826** ..... **Palaeogene – Recent**

= † *Hersiliopsis* Wunderlich, 2004*e*

911. *Hersilia aquisextana* Gourret, 1887 ..... Pa Aix-en-Provence

912. *Hersilia longipes* Giebel, 1856 ..... Pa Baltic amber

913. *Hersilia madagascarensis* (Wunderlich, 2004*e*) ..... Qt–R Madagas. copal

914. ?*Hersilia miranda* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

† ***Hersiliana*** **Wunderlich, 2004*e*** ..... **Quaternary – Recent**

915. *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

916. *Prototama antiqua* (Petrunkevitch, 1971) ..... Ne Chiapas amber

917. *Prototama maior* (Wunderlich, 1988) ..... Ne Dominican amber

918. *Prototama media* (Wunderlich, 1988) ..... Ne Dominican amber

919. *Prototama minor* (Wunderlich, 1987) ..... Ne Dominican amber

920. *Prototama succinea* Petrunkevitch, 1971* ..... Ne Chiapas amber

*Prototama* sp. *in* Wunderlich (1988) ..... Ne Dominican amber

† ***Spinasilia*** **Wunderlich, 2015*b*** ..... **Cretaceous**

921. *Spinasilia dissoluta* Wunderlich, 2015*b** ..... K Burmese amber

† **BURMASCUTIDAE Wunderlich, 2008*d*** ..... **Cretaceous**

† ***Burmascutum*** **Wunderlich, 2008*d*** ..... **Cretaceous**

922. *Burmascutum aenigma* Wunderlich, 2008*d** ..... K Burmese amber

923. *Burmascutum brevis* Wunderlich *in* Wunderlich & Müller, 2018 ..... K Burmese amber

**OECOBIIDAE Blackwall, 1862** ..... **Cretaceous – Recent**

= UROCTEIDAE Thorell, 1869

Oecobiidae indet. *in* Wunderlich, 2015*b* ..... K Burmese amber

† ***Lebanoecobius* Wunderlich, 2004*e*** ..... **Cretaceous**

924. *Lebanoecobius schleei* Wunderlich, 2004e* ..... K Lebanese amber

† ***Mizalia* C. L. Koch & Berendt, 1854** ..... **Palaeogene**

= † *Paruroctea* Petrunkevitch, 1942

925. *Mizalia blauvelti* (Petrunkevitch, 1942) ..... Pa Baltic amber

926. *Mizalia gemini* Wunderlich, 2004*e* ..... Pa Baltic amber

927. *Mizalia rostrata* C. L. Koch & Berendt, 1854* ..... Pa Baltic amber

i. = *Mizalia pilosula* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

928. *Mizalia spirembolus* Wunderlich, 2004*e* ..... Pa Baltic amber

Mizalia sp. *in* Wunderlich (2011*h*) ..... Pa Baltic/BItter. amber

***Oecobius* Lucas, 1846** ..... **?Cretaceous – Recent**

929. *Oecobius piliformis* Wunderlich, 1988 ..... Ne Dominican amber

?*Oecobius* sp. indet *in* Penney (2002) ..... K New Jersey amber

† ***Retrooecobius* Wunderlich, 2015*b*** ..... **Cretaceous**

930. *Retrooecobius chomskyi* Wunderlich, 2015*b** ..... K Burmese amber

931. *Retrooecobius convexus* Wunderlich, 2015*b* ..... K Burmese amber

***Uroctea* Dufour, 1820** ..... **Palaeogene – Recent**

932. *Uroctea galloprovincialis* Gourret, 1887 ..... Pa Aix-en-Provence

† ***Zamilia* Wunderlich, 2008d** ..... **Cretaceous**

933. *Zamilia aculeopectens* Wunderlich, 2015*b* ..... K Burmese amber

934. *Zamilia antecessor* Wunderlich, 2008*d** ..... K Burmese amber

935. *Zamilia quattuormammillae* Wunderlich, 2015*b* ..... K Burmese amber

*Zamilia* sp. indet. *in* Wunderlich, 2015*b* ..... K Burmese amber

**'CANOE TAPETUM' CLADE** ..... **Jurassic – Recent**

**ORBICULARIAE Walckenaer, 1802** ..... **Jurassic – Recent**

**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**

936. *Bicalamistrum mixtum* Wunderlich, 2015*b* ..... K Burmese amber

† ***Burmasuccinus* Wunderlich *in* Wunderlich & Müller, 2018** ..... **Cretaceous**

937. *Burmasuccinus bulla* Wunderlich *in* Wunderlich & Müller, 2018* ..... K Burmese amber

† ***Burmuloborus* Wunderlich, 2008*d*** ..... **Cretaceous**

938. *Burmuloborus antefixus* Wunderlich, 2015*b* ..... K Burmese amber

939. *Burmuloborus parvus* Wunderlich, 2008*d** ..... K Burmese amber

940. ?*Burmuloborus prolongatus* Wunderlich, 2015*b* ..... K Burmese amber

?*Burmuloborus* sp. indet. *in* Wunderlich, 2015*b* ..... K Burmese amber

† ***Eomiagrammopes* Wunderlich, 2004*f*** ..... **Palaeogene**

941. *Eomiagrammopes maior* Wunderlich, 2004*f* ..... Pa Baltic amber

942. *Eomiagrammopes minor* Wunderlich, 2004*f* ..... Pa Baltic amber

943. *Eomiagrammopes semiapertus* Wunderlich, 2011*h* ..... Pa Baltic amber

944. *Eomiagrammopes singularis* Wunderlich, 2004*f** ..... Pa Baltic amber

945. *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

† ***Eotibiaapophysis* Wunderlich *in* Wunderlich & Müller, 2018** ..... **Cretaceous**

946. *Eotibiaapophysis reliquus* Wunderlich *in* Wunderlich & Müller, 2018* ..... K Burmese amber

† ***Furculoborus* Wunderlich, 2017*c*** ..... **Cretaceous**

947. *Furculoborus patellaris* Wunderlich, 2017*c* ..... K Burmese amber

† ***Hyptiomopes* Wunderlich, 2004*f*** ..... **Palaeogene**

948. *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

949. *Hyptiotes convexus* Wunderlich, 2004*f* ..... Pa Baltic amber

950. *Hyptiotes glaber* Wunderlich, 2004*f* ..... Pa Baltic amber

951. *Hyptiotes saetosus* Wunderlich, 2004*f* ..... Pa Baltic amber

952. *Hyptiotes stellatus* Wunderlich, 2004*f* ..... Pa Baltic amber

953. *Hyptiotes triqueter* (C. L. Koch & Berendt, 1854) ..... Pa Baltic amber

† ***Jerseyuloborus* Wunderlich, 2011*i*** ..... **Cretaceous**

954. *Jerseyuloborus longisoma* Wunderlich, 2011*i** ..... K New Jersey amber

† ***Kachin* Wunderlich, 2017*c*** ..... **Cretaceous**

955. *Kachin fruticosus* Wunderlich, 2017*c** ..... K Burmese amber

956. *Kachin fruticosoides* Wunderlich, 2017*c* ..... K Burmese amber

957. *Kachin serratus* Wunderlich *in* Wunderlich & Müller, 2018 ..... K Burmese amber

***Miagrammopes* O. P.-Cambridge, 1870** ..... **Palaeogene – Recent**

958. *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**

959. *Microuloborus birmanicus* Wunderlich, 2015*b** ..... K Burmese amber

† ***Ocululoborus* Wunderlich, 2012*d*** ..... **Cretaceous**

960. *Ocululoborus curvatus* Wunderlich, 2012*d** ..... K Burmese amber

† ***Opellianus* Wunderlich, 2004*f*** ..... **Palaeogene**

961. *Opellianus excellens* Wunderlich, 2004*f** ..... Pa Baltic amber

962. *Opellianus kazimierasi* Wunderlich 2004*f* ..... Pa Baltic amber

963. *Opellianus ludwigi* Wunderlich 2004*f* ..... Pa Baltic amber

† ***Palaeomiagrammopes* Wunderlich, 2008*d*** ..... **Cretaceous**

964. *Palaeomiagrammopes vesica* Wunderlich, 2008*d** ..... K Burmese amber

† ***Palaeouloborus* Selden, 1990** ..... **Cretaceous**

965. *Palaeouloborus lacasae* Selden, 1990* ..... K Sierra de Montsech

† ***Paramiagrammopes* Wunderlich, 2008*d*** ..... **Cretaceous**

966. *Paramiagrammopes cretaceus* Wunderlich, 2008*d** ..... K Burmese amber

967. *Paragrammopes* [*sic*] *longiclypeus* Wunderlich, 2015*b* ..... K Burmese amber

968. *Paramiagrammopes patellidens* Wunderlich, 2015*b* ..... K Burmese amber

969. *Paramiagrammopes pusillus* Wunderlich *in* Wunderlich & Müller, 2018 .. K Burmese amber

*Paramiagrammopes* sp. *in* Wunderlich (2008*d*) ..... K Burmese amber

† ***Planibulbus* Wunderlich *in* Wunderlich & Müller, 2018** ..... **Cretaceous**

970. *Planibulbus longisoma* Wunderlich *in* Wunderlich & Müller, 2018* ..... K Burmese amber

† ***Propterkachin* Wunderlich, 2017*c*** ..... **Cretaceous**

971. *Propterkachin magnoculus* Wunderlich, 2017*c** ..... K Burmese amber

† ***Talbragaraneus* Selden & Beattie, 2013** [tentative familial assignment] ..... **Jurassic**

972. *Talbragaraneus jurassicus* Selden & Beattie, 2013* ..... J Talbragar, Australia

† ***Ulobomopes* Wunderlich, 2004*f*** ..... **Palaeogene**

973. *Ulobomopes unicus* Wunderlich, 2004*f** ..... Pa Baltic amber

† **FRATERULOBORIDAE Wunderlich *in* Wunderlich & Müller, 2018** ..... **Cretaceous**

† ***Frateruloborus* Wunderlich *in* Wunderlich & Müller, 2018** ..... **Cretaceous**

974. *Frateruloborus bulbosus* Wunderlich *in* Wunderlich & Müller, 2018* ..... K Burmese amber

† **ALTERULOBORIDAE Wunderlich *in* Wunderlich & Müller, 2018** ..... **Cretaceous**

† ***Alteruloborus* Wunderlich *in* Wunderlich & Müller, 2018** ..... **Cretaceous**

975. *Alteruloborus araneoides* Wunderlich *in* Wunderlich & Müller, 2018* ..... K Burmese amber

† **MONGOLARACHNIDAE Selden, Shi & Ren, 2013** ..... **Jurassic – Cretaceous**

Wunderlich (2017*c*) considered it a haplogyne spider family, close to Pholcochyroceridae

† ***Longissipalpus* Wunderlich, 2015*b*** ..... **Cretaceous**

976. *Longissipalpus cochlea* Wunderlich, 2017*c* ..... K Burmese amber

977. *Longissipalpus magnus* Wunderlich, 2015*b* ..... K Burmese amber

978. *Longissipalpus maior* Wunderlich, 2015*b* ..... K Burmese amber

979. *Longissipalpus minor* Wunderlich, 2015*b** ..... K Burmese amber

† ***Mongolarachne* Selden, Shi & Ren, 2013** ..... **Jurassic**

980. *Mongolarachne chaoyangensis* Cheng *et al*., 2019 ..... J Liaoning, China

may be misidentified

981. *Mongolarachne jurassica* (Selden, Shih & Ren, 2011)* ..... J Daohugou

† ***Pedipalparaneus* Wunderlich, 2015*b*** ..... **Cretaceous**

982. *Pedipalparaneus seldeni* Wunderlich, 2015b* ..... K Burmese amber

**TITANOECOIDEA Lehtinen, 1967** ..... **Quaternary – Recent**

**TITANOECIDAE Lehtinen, 1967** ..... **Quaternary – Recent**

† ***Copaldictyna*** **Wunderlich, 2004*v*** ..... **Quaternary**

tentative transfer by Wunderlich (2012*a*)

983. *Copaldictyna madagascariensis* Wunderlich, 2004*v** ..... Qt Madagascan copal

**PHYXELIDIDAE Lehtinen, 1967** ..... Recent

no fossil record

**RETROLATERAL TIBIAL APOPHYSIS CLADE** ..... **Cretaceous – Recent**

?RTA-clade *in* Wunderlich (2008*d*) ..... K Burmese amber

?RTA-clade *in* Wunderlich (2017*c*) ..... K Burmese amber

?RTA-clade *in* Wunderlich & Müller (2018) ..... K Burmese amber

**ZODARIIDOIDEA Thorell, 1881** ..... **Palaeogene – Recent**

**PENESTOMIDAE Simon, 1903** ..... **Recent**

no fossil record

**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**

984. *Adjutor deformis* Petrunkevitch, 1958 ..... Pa Baltic amber

985. *Adjutor mirabilis* Petrunkevitch, 1942* ..... Pa Baltic amber

† ***Admissor*** **Petrunkevitch, 1942** ..... **Palaeogene**

986. Admissor aculeatus Petrunkevitch, 1942* ..... Pa Baltic amber

† ***Adorator*** **Petrunkevitch, 1942** ..... **Palaeogene**

987. *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

988. *Adorator samlandicus* Petrunkevitch, 1942 ..... Pa Baltic amber

† ***Angusdarion*** **Wunderlich, 2004*ae*** ..... **Palaeogene**

989. *Angusdarion humilis Wunderlich*, 2004*ae** ..... Pa Baltic amber

† ***Anniculus*** **Petrunkevitch, 1942** ..... **Palaeogene**

990. *Anniculus balticus* Petrunkevitch, 1942* ..... Pa Baltic amber

† ***Eocydrele*** **Petrunkevitch, 1958** ..... **Palaeogene**

991. *Eocydrele mortua* Petrunkevitch, 1958* ..... Pa Baltic amber

† ***Propago*** **Petrunkevitch, 1963** ..... **Neogene**

992. *Propago debilis* Petrunkevitch, 1963* ..... Ne Chiapas amber

† ***Spinizodarion*** **Wunderlich, 2004*ae*** ..... **Palaeogene**

993. *Spinizodarion ananulum* Wunderlich, 2004*ae** ..... Pa Baltic amber

† ***Zodariodamus*** **Wunderlich 2004*ae*** ..... **Palaeogene**

994. *Zodariodamus recurvatus* Wunderlich 2004*ae** ..... Pa Baltic amber

**MARRONIDS**

**CHUMMIDAE Jocqué, 2001** ..... **Recent**

no fossil record

**AMAUROBIIDAE Thorell, 1870*a*** ..... **Palaeogene – Recent**

= CINIFLONIDAE Blackwall, 1841

[partly also Dictynidae; based on a generic synonym]

Amaurobiinae gen. et sp. indet. *in* Wunderlich (2004*u*) ..... Pa Baltic amber

**AGELENIDAE C. L. Koch, 1837** ..... **Palaeogene – Recent**

= TEGENARIDAE Prach, 1860

= † INCEPTORIDAE Petrunkevitch, 1942

***Agelena*** **Walckenaer, 1805** ..... **Palaeogene – Recent**

995. *Agelena tabida* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

***Histopona*** **Thorell, 1869** ..... **Palaeogene – Recent**

996. ?*Histopona anthracina* Bertkau, 1878*b* ..... Ne Rott, Germany

† ***Inceptor*** **Petrunkevitch, 1942** ..... **Palaeogene**

997. *Inceptor aculeatus* Petrunkevitch, 1942* ..... Pa Baltic amber

998. *Inceptor dubius* Petrunkevitch, 1946 ..... Pa Baltic amber

***Tegenaria*** **Latreille, 1804a** ..... **Palaeogene – Recent**

999. ?*Tegenaria fragmentum* Wunderlich, 2004*w* ..... Pa Baltic amber

1000. *Tegenaria lacazei* Gourret, 1887 ..... Pa Aix-en-Provence

1001. ?*Tegenaria obtusa* Wunderlich, 2004*w* ..... Pa Baltic amber

1002. *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**

1003. *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**

1004. *Argyroneta aquatica* (Clerck, 1757) **[Recent]** ..... Qt England

1005. ?*Argyroneta longipes* Heer, 1865 ..... Ne Öhningen

† ***Vectaraneus*** **Selden, 2001** ..... **Palaeogene**

1006. *Vectaraneus yulei* Selden, 2001* ..... Pa Bembridge Marls

**HAHNIIDAE Bertkau, 1878*a*** ..... **Palaeogene – Recent**

† ***Cymbiohahnia* Wunderlich, 2004*v*** ..... **Palaeogene**

1007. *Cymbiohahnia parens* Wunderlich, 2004*v* ..... Pa Baltic, Bitterfeld & Rovno amber

† ***Eohahnia* Petrunkevitch, 1958** ..... **Palaeogene**

1008. *Eohahnia succini* Petrunkevitch, 1958* ..... Pa Baltic amber

† ***Protohahnia* Wunderlich, 2004v** ..... **Palaeogene**

1009. *Protohahnia antiqua* Wunderlich, 2004*v** ..... Pa Baltic amber

1010. *Protohahnia tripartita* Wunderlich, 2004*v* ..... Pa Baltic amber

**genus uncertain**

1011. '*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**

1012. *Argenna fossilis* Petrunkevitch *in* Palmer, 1957 ..... Ne Mojave Desert

† ***Arthrodictyna* Petrunkevitch, 1942** ..... **Palaeogene**

1013. *Arthrodictyna segmentata* Petrunkevitch, 1942* ..... Pa Baltic amber

† ***Balticocryphoeca* Wunderlich, 2004v** ..... **Palaeogene**

1014. *Balticocryphoeca curvitarsis* Wunderlich, 2004*v** ..... Pa Baltic / Bitt. amber

† ***Brommellina* Wunderlich, 2004v** ..... **Palaeogene**

1015. *Brommellina longungulae* Wunderlich, 2004*v** ..... Pa Baltic amber

† ***Chelicirrum* Wunderlich, 2004*v*** ..... **Palaeogene**

1016. *Chelicirrum stridulans* Wunderlich, 2004*v** ..... Pa Baltic amber

† ***Cryphoezaga* Wunderlich, 2004*v*** ..... **Palaeogene**

1017. *Cryphoezaga dubia* Wunderlich, 2004*v** ..... Pa Baltic amber

***Dictyna* Sundevall, 1833** ..... **Quaternary – Recent**

1018. *Dictyna rufa* Wunderlich, 2012*a* ..... Qt Madagascan copal

† ***Eobrommella* Wunderlich, 2004*v*** ..... **Palaeogene**

1019. *Eobrommella scutata* Wunderlich, 2004*v** ..... Pa Baltic amber

† ***Eocryphoeca* Petrunkevitch, 1946** ..... **Palaeogene**

1020. *Eocryphoeca bitterfeldensis* Wunderlich, 2004*v* ..... Pa Bitterfeld amber

1021. *Eocryphoeca electrina* Wunderlich, 2004*v* ..... Pa Baltic amber

1022. *Eocryphoeca falcata* Wunderlich, 2004*v* ..... Pa Baltic amber

1023. *Eocryphoeca gibbifera* Wunderlich, 2004*v* ..... Pa Baltic amber

1024. *Eocryphoeca gracilipes* (C. L. Koch & Berendt, 1854)* ..... Pa Baltic amber

1025. *Eocryphoeca ligula* Wunderlich, 2004*v* ..... Pa Baltic amber
1026. *Eocryphoeca mammilla* Wunderlich, 2004*v* ..... Pa Baltic amber
1027. *Eocryphoeca splendens* Wunderlich, 2004*v* ..... Pa Baltic amber
*Eocryphoeca* sp. *in* Wunderlich (2004*v*) ..... Pa Baltic amber

† ***Eocryphoecara* Wunderlich, 2004*v*** ..... **Palaeogene**
1028. *Eocryphoecara abicera* Wunderlich, 2004*v** ..... Pa Baltic amber

† ***Eodictyna* Wunderlich, 2004*v*** ..... **Palaeogene**
1029. *Eodictyna communis* Wunderlich, 2004*v** ..... Pa Baltic amber

† ***Eolathys* Petrunkevitch, 1950** ..... **Palaeogene**
1030. *Eolathys debilis* Petrunkevitch, 1950 ..... Pa Baltic amber
1031. *Eolathys succini* Petrunkevitch, 1950* ..... Pa Baltic amber

† ***Flagelldictyna* Wunderlich, 2012*a*** ..... **Quaternary**
1032. *Flagelldictyna copalis* Wunderlich, 2012*a** ..... Qt Madagascar copal

† ***Gibbermastigusa* Wunderlich, 2004*v*** ..... **Palaeogene**
1033. *Gibbermastigusa lateralis* Wunderlich, 2004*v** ..... Pa Baltic amber

† ***Hispaniolyna* Wunderlich, 1988** ..... **Neogene**
1034. *Hispaniolyna hirsuta* Wunderlich, 1988 ..... Ne Dominican amber
1035. *Hispaniolyna magna* Wunderlich, 1988* ..... Ne Dominican amber

† ***Mastigusa* Menge *in* C. L. Koch & Berendt, 1854** ..... **Palaeogene**
= † *Eotetrilus* Wunderlich, 1982 [*nomen nudum*]
1036. *Mastigusa acuminata* Menge *in* C. L. Koch & Berendt, 1854* ..... Pa Baltic amber
1037. *Mastigusa arcuata* Wunderlich, 2004*v* ..... Pa Baltic amber
1038. *Mastigusa bitterfeldensis* Wunderlich, 2004*v* ..... Pa Bitterfeld amber
1039. *Mastigusa laticymbium* Wunderlich, 2004*v* ..... Pa Baltic amber
1040. *Mastigusa magnibulbus* Wunderlich, 2004*v* ..... Pa Bitterfeld amber
1041. *Mastigusa media* Wunderlich, 1986 ..... Pa Baltic amber
1042. *Mastigusa modesta* Wunderlich, 1986 ..... Pa Baltic amber
1043. *Mastigusa scutata* Wunderlich, 2004*v* ..... Pa Baltic amber
*Mastigusa* sp. *in* Wunderlich (2004*v*) ..... Pa Baltic amber

† ***Mizagalla* Wunderlich, 2004*v*** ..... **Palaeogene**
1044. *Mizagalla quattuor* Wunderlich, 2004*v** ..... Pa Baltic amber
1045. *Mizagalla tuberculata* Wunderlich, 2004*v* ..... Pa Baltic amber

† ***Palaeodictyna* Wunderlich, 1988** ..... **Neogene**
1046. *Palaeodictyna intermedia* Wunderlich, 1988 ..... Ne Dominican amber
1047. *Palaeodictyna longispina* Wunderlich, 1988 ..... Ne Dominican amber
1048. *Palaeodictyna singularis* Wunderlich, 1988 ..... Ne Dominican amber
1049. *Palaeodictyna spiculum* Wunderlich, 1988 ..... Ne Dominican amber
1050. *Palaeodictyna termitophila* Wunderlich, 1988* ..... Ne Dominican amber
1051. *Palaeodictyna unispina* Wunderlich, 1988 ..... Ne Dominican amber

† ***Palaeolathys* Wunderlich, 1986** ..... **Neogene**
1052. *Palaeolathys circumductus* Wunderlich, 1988 ..... Ne Dominican amber

1053. *Palaeolathys copalis* Wunderlich, 1986 ..... Qt Dominican copal

1054. *Palaeolathys quadruplex* Wunderlich, 1988 ..... Ne Dominican amber

1055. *Palaeolathys similis* Wunderlich, 1988 ..... Ne Dominican amber

1056. *Palaeolathys spinosa* Wunderlich, 1986* ..... Ne Dominican amber

*Palaeolathys* sp. *in* Wunderlich (1988) ..... Ne Dominican amber

† ***Protomastigusa* Wunderlich, 2004*v*** ..... **Palaeogene**

1057. *Protomastigusa composita* Wunderlich, 2004*v* ..... Pa Baltic amber

† ***Scopulyna* Wunderlich, 2004*v*** ..... **Palaeogene**

1058. *Scopulyna cursor* Wunderlich, 2004*v* ..... Pa Baltic amber

† ***Succinya* Wunderlich, 1988** ..... **Neogene**

1059. *Succinya longembolus* Wunderlich, 1988 ..... Ne Dominican amber

1060. *Succinya pulcher* Wunderlich, 1988* ..... Ne Dominican amber

1061. *Succinya spinipalpus* Wunderlich, 1988 ..... Ne Dominican amber

***Thallumetus* Simon, 1892*b*** ..... **Quaternary – Recent**

1062. *Thallumetus copalis* Wunderlich, 2004*at* ..... Qt Colombian copal

**CYCLOCTENIDAE Simon, 1898a** ..... **Recent**

no fossil record

**STIPHIDIIDAE Dalmas, 1917** ..... **Recent**

no fossil record

**DESIDAE Pocock, 1895** ..... **Palaeogene – Recent**

***Myro* O. P.-Cambridge, 1876** ..... **Palaeogene – Recent**

1063. *Myro extinctus* Petrunkevitch, 1958 [belongs in Dictynidae?] ..... Pa Baltic amber

1064. *Myro hirsutus* Petrunkevitch, 1942 ..... Pa Baltic amber

**AMPHINECTIDAE Forster & Wilton, 1973** ..... **Recent**

= NEOLANIDAE Forster & Wilton, 1973

no fossil record

**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**

1065. *Caduceator minutus* Petrunkevitch, 1942* ..... Pa Baltic amber

1066. *Caduceator quadrimaculatus* Petrunkevitch, 1950 ..... Pa Baltic amber

† ***Collacteus* Petrunkevitch, 1942** ..... **Palaeogene**

1067. *Collacteus captivus* Petrunkevitch, 1942* ..... Pa Baltic amber

† ***Eostaianus* Petrunkevitch, 1950** ..... **Palaeogene**

1068. *Eostaianus succini* Petrunkevitch, 1950* ..... Pa Baltic amber

† ***Eostasina*** **Petrunkevitch, 1942** ..... **Palaeogene**

1069. *Eostasina aculeata* Petrunkevitch, 1942* ..... Pa Baltic amber

***Eusparassus*** **Simon 1903** ..... **Palaeogene – Recent**

1070. *Eusparassus crassipes* (C. L. Koch & Berendt, 1854) ..... Pa Baltic amber

***Heteropoda*** **Latreille, 1804*a*** ..... **Palaeogene – Recent**

= † *Retina* Hong, 1985

1071. *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**

1072. *Pseudosparianthis pfeifferi* (Wunderlich, 1988) ..... Ne Dominican amber

***Zachria*** **L. Koch, 1875** ..... **Palaeogene – Recent**

an Australian genus; Wunderlich (2012*c*) regarded at least *Z. desiderablis* as gen. indet.

1073. *Zachria desiderabilis* Petrunkevitch, 1950 ..... Pa Baltic amber

1074. *Zachria peculiata* Petrunkevitch, 1946 ..... Pa Baltic amber

1075. *Zachria restincta* Petrunkevitch, 1958 ..... Pa Baltic amber

**HOMALONYCHIDAE Simon, 1893** ..... **Recent**

no fossil record

**OVAL CALAMISTRUM CLADE**

**UDUBIDAE Griswold & Polotow, 2015** ..... **Recent**

no fossil record

**ZOROPSIDAE Bertkau, 1882** ..... **Palaeogene – Recent**

= ZOROCRATIDAE Dahl, 1913

= TENGELLIDAE Dahl, 1908

Zoropsidae sp. *in* Wunderlich (2004*x*) ..... Pa Baltic / Bitt. Amber

† ***Cymbioropsis*** **Wunderlich, 2017*a*** ..... **Palaeogene**

1076. *Cymbioropsis palpussutura* Wunderlich, 2017*a** ..... Pa Baltic amber

† ***Eomatachia*** **Petrunkevitch, 1942** ..... **Palaeogene**

1077. *Eomatachia barbarus* Wunderlich, 2004*x* ..... Pa Baltic amber

1078. *Eomatachia bipartita* Wunderlich, 2004*x* ..... Pa Baltic amber

1079. *Eomatachia divergens* Wunderlich, 2004*x* ..... Pa Baltic amber

1080. *Eomatachia duplex* Wunderlich, 2004*x* ..... Pa Baltic amber

1081. *Eomatachia latifrons* Petrunkevitch, 1942* ..... Pa Baltic amber

1082. *Eomatachia recedens* Wunderlich, 2004*x* ..... Pa Baltic amber

1083. *Eomatachia succini* (Petrunkevitch, 1942) ..... Pa Baltic amber

1084. *Eomatachia wegneri* Wunderlich, 2004*x* ..... Pa Baltic amber

1085. *Eomatachia xanthippe* Wunderlich, 2004*x* ..... Pa Baltic amber

† ***Eoprychia*** **Petrunkevitch, 1958** ..... **Palaeogene**

1086. *Eoprychia clara* Wunderlich, 2017*a* ..... Pa Baltic amber

1087. *Eoprychia succini* Petrunkevitch, 1958* ..... Pa Baltic amber
1088. *Eoprychia succinopsis* Wunderlich, 2004*x* ..... Pa Baltic amber
1089. *Eoprychia vicina* Wunderlich, 2004*x* ..... Pa Baltic amber
*Eoprychia* sp. *in* Wunderlich (2004*x*) ..... ?Pa not specified

† ***Pseudoeoprychia* Wunderlich, 2017*a*** ..... **Palaeogene**
1090. *Pseudoeoprychia triplex* Wunderlich, 2017*a** ..... Pa Baltic amber

† ***Succiniropsis* Wunderlich, 2004*x*** ..... **Palaeogene**
1091. *Succiniropsis kutscheri* Wunderlich, 2004*x** ..... Pa Baltic / Bitt. amber
1092. *Succiniropsis runcinata* Wunderlich, 2012*c* ..... Pa Baltic amber
1093. *Succiniropsis samlandica* Wunderlich, 2004*x* ..... Pa Baltic amber

† **INSECUTORIDAE Petrunkevitch, 1942** ..... **Palaeogene**

† ***Insecutor* Petrunkevitch, 1942** ..... **Palaeogene**
1094. *Insecutor aculeatus* Petrunkevitch, 1942* ..... Pa Baltic amber
1095. *Insecutor mandibulatus* Petrunkevitch, 1942 ..... Pa Baltic amber
1096. ?*Insecutor pecten* Wunderlich, 2004*y* ..... Pa Baltic amber
1097. *Insecutor rufus* Petrunkevitch, 1942 ..... Pa Baltic amber
1098. ?*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**
1099. *Eohalinobius calefactus* Wunderlich, 2012*c* ..... Pa Baltic amber
1100. *Eohalinobius hiddenseeensis* Wunderlich, 2012*c* ..... Pa Baltic amber
1101. *Eohalinobius patina* Wunderlich, 2012*c* ..... Pa Baltic amber
1102. *Eohalinobius scutatus* Wunderlich, 2008*c* ..... Pa Baltic amber

† ***Succinomus* Wunderlich, 2008*c*** ..... **Palaeogene**
1103. *Succinomus duomammillae* Wunderlich, 2008*c* ..... Pa Baltic amber
1104. ?*Succinomus gibbosus* Wunderlich, 2012*c* ..... Pa Baltic amber

**CTENIDAE Keyserling, 1877** ..... **Neogene – Recent**
= ACANTHOCTENIDAE Simon, 1892*b*

† ***Nanoctenus* Wunderlich, 1988** ..... **Neogene**
1105. *Nanoctenus longipes* Wunderlich, 1988* ..... Ne Dominican amber

**SENOCULIDAE Simon, 1890** ..... **Recent**
= NEOTHEREUTOIDAE Holmberg, 1883 [based on a generic synonym]
no fossil record

**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**

1106. *Oxyopes defectus* Wunderlich, 1988 ..... Ne Dominican amber

1107. '*Oxyopes*' *succini* Petrunkevitch, 1958 ..... Pa Baltic amber

*Oxyopes* sp. *in* Wunderlich (1988, 2004*ab*) ..... Ne Dominican amber

† ***Planoxyopes* Petrunkevitch, 1963** ..... **Neogene**

1108. *Planoxyopes eximius* Petrunkevitch, 1963* ..... Ne Chiapas amber

i. = *Planoxyopes fossilis* Wunderlich, 1988 [*lapsus*] ..... Ne Chiapas amber

**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, 1804a** ..... **Quaternary – Recent**

1109. *Dolomedes fimbriatus* (Clerck, 1757) **[Recent]** ..... Qt England

† '***Linoptes***' **Menge *in* C. L. Koch & Berendt, 1854** ..... **Palaeogene**

= † *Eopisaurella* Petrunkevitch, 1958

see notes on *Linoptes* under Trechaleidae above!

1110. ?*'Linoptes' valdespinosa* (Petrunkevitch, 1958)* ..... Pa Baltic amber

?*'Linoptes'* sp. 1–8 *in* Wunderlich (2004*z*) ..... Pa Baltic amber

† ***Palaeoperenethis* Selden & Penney, 2009** ..... **Palaeogene**

1111. *Palaeoperenethis thaleri* Selden & Penney, 2009* ..... Pa British Columbia

**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**

1112. *Eotrechalea annulata* Wunderlich, 2004*aa** ..... Pa Baltic amber

† ***Esuritor* Petrunkevitch, 1942** ..... **Palaeogene**

1113. *Esuritor aculeatus* Petrunkevitch, 1958 ..... Pa Baltic amber

1114. *Esuritor spinipes* Petrunkevitch, 1942* ..... Pa Baltic amber

† ***Linoptes* Menge in C. L. Koch & Berendt, 1854** ..... **Palaeogene**

1115. ?'*Linoptes*' *oculeus* Menge *in* C. L. Koch & Berendt, 1854* ..... Pa Baltic amber

*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)

**'LYCOSOIDEA' Sundevall, 1833** ..... **Cretaceous – Recent**

† ***Korearachne* Selden, Nam, Kim & Kim, 2012** ..... **Cretaceous**

1116. *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**

1117. *Alopecosa ?pulverulenta* (Clerck, 1757) **[Recent]** ..... Qt England

† ***Dryadia* Zhang, Sun & Zhang, 1994** ..... **Palaeogene**

1118. *Dryadia acanthopoda* Zhang, Sun & Zhang, 1994 ..... Ne Shanwang

***Lycosa* Latreille, 1804*a*** ..... **Palaeogene – Recent**

1119. *Lycosa florissanti* Petrunkevitch, 1922 ..... Pa Florissant

1120. *Lycosa lithographica* Schawaller & Ono, 1979 ..... Ne Randecker Maar

1121. *Lycosa malleata* Zhang, Sun & Zhang, 1994 ..... Ne Shanwang

1122. *Lycosa miocaena* Schawaller & Ono, 1979 ..... Ne Randecker Maar

1123. *Lycosa subterranea* Zhang, Sun & Zhang, 1994 ..... Ne Shanwang

***Pardosa* C. L. Koch, 1847** ..... **Quaternary – Recent**

1124. *Pardosa pullata* (Clerck, 1757) **[Recent]** ..... Qt England

*Pardosa* sp. *in* Scott (2003) ..... Qt England

***Pirata* Sundevall, 1833** ..... **Quaternary – Recent**

1125. *Pirata ?piraticus (*Clerck, 1757) **[Recent]** ..... Qt England

***Trochosa* C. L. Koch, 1847** ..... **Quaternary – Recent**

1126. *Trochosa terricola* Thorell, 1856 **[Recent]** ..... Qt England

† **PARATTIDAE Petrunkevitch, 1922** ..... **Palaeogene**

† ***Parattus* Petrunkevitch, 1922** ..... **Palaeogene**

1127. *Parattus evocatus* (Scudder, 1890*a*) ..... Pa Florissant

1128. *Parattus latitatus* (Scudder, 1890*a*) ..... Pa Florissant

1129. *Parattus oculatus* Petrunkevitch, 1922 ..... Pa Florissant

1130. *Parattus resurrectus* (Scudder, 1890*a*)* ..... Pa Florissant

**PSECHRIDAE Simon, 1890** ..... **Recent**

no fossil record

**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**
1131. *Ecotona brunnea* Zhang, Sun & Zhang, 1994 ..... Ne Shanwang
1132. *Ecotona pilulifera* Zhang, Sun & Zhang, 1994 ..... Ne Shanwang
1133. *Ecotona transipeda* Lin, Zhang & Wang, 1989* ..... Ne Shanwang

† ***Facundia* Petrunkevitch, 1942** ..... **Palaeogene**
1134. *Facundia clara* Petrunkevitch, 1942* ..... Pa Baltic amber

† ***Fiducia* Petrunkevitch, 1950** ..... **Palaeogene**
1135. *Fiducia tenuipes* Petrunkevitch, 1950* ..... Pa Baltic amber

† ***Filiolella* Petrunkevitch, 1955*a*** ..... **Palaeogene**
= † *Filiola* Petrunkevitch, 1942 [preoccupied]
1136. *Filiolella argentata* (Petrunkevitch, 1942)* ..... Pa Baltic amber

† ***Heterotmarus* Wunderlich, 1988** ..... **Neogene**
1137. *Heterotmarus altus* Wunderlich, 1988* ..... Ne Dominican amber

† ***Komisumena* Ono, 1981** ..... **Neogene**
1138. *Komisumena rosae* Ono, 1981* ..... Ne Dominican amber

† ***Miothomisus* Zhang, Sun & Zhang, 1994** ..... **Neogene**
1139. *Miothomisus subnudus* Zhang, Sun & Zhang, 1994 ..... Ne Shanwang
1140. *Miothomisus sylvaticus* Zhang, Sun & Zhang, 1994* ..... Ne Shanwang

***Misumena* Latreille, 1804*a*** ..... **Palaeogene – Recent**
1141. *Misumena samlandica* Petrunkevitch, 1942 ..... Pa Baltic amber

† ***Palaeoxysticus* Wunderlich, 1985** ..... **Neogene**
1142. *Palaeoxysticus extinctus* Wunderlich, 1985 ..... Ne Randecker Maar

† ***Parvulus* Zhang, Sun & Zhang, 1994** ..... **Neogene**
1143. *Parvulus latissimus* Zhang, Sun & Zhang, 1994* ..... Ne Shanwang

† ***Succinaenigma* Wunderlich, 2004ap** ..... **Palaeogene**
1144. *Succinaenigma raptor* Wunderlich, 2004*ap** ..... Pa Baltic amber

† ***Succiniraptor* Wunderlich, 2004*ao*** ..... **Palaeogene**
1145. *Succiniraptor radiatus* (C. L. Koch & Berendt, 1854) ..... Pa Baltic amber
i. = *Succiniraptor paradoxus* Wunderlich, 2004ao* ..... Pa Baltic amber

***Synema* Simon, 1864** ..... **Palaeogene – Recent**
1146. *Synema enigmaticum* Berland, 1939 ..... Pa Aix-en-Provence

† ***Syphax* C. L. Koch & Berendt, 1854** ..... **Palaeogene**
1147. *Syphax asper* Petrunkevitch, 1950 ..... Pa Baltic amber

1148. *Syphax crassipes* Petrunkevitch, 1942 ..... Pa Baltic amber
1149. *Syphax fuliginosus* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber
1150. *Syphax gracilis* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber
1151. *Syphax megacephalus* C. L. Koch & Berendt, 1854* ..... Pa Baltic amber
1152. *Syphax secedens* Wunderlich, 2015*a* ..... Pa Baltic amber
1153. *Syphax thoracicus* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

† ***Thomisidites* Straus, 1967** ..... **Neogene**
1154. *Thomisidites hercynicus* Straus, 1967* ..... Ne Willershausen

† ***Thomisiraptor* Wunderlich, 2004*ap*** ..... **Palaeogene**
1155. *Thomisiraptor liedtkei* Wunderlich, 2004*ap** ..... Pa Baltic amber

***Thomisus* Walckenaer, 1805** ..... **Palaeogene – Recent**
1156. *Thomisiraptor liedtkei* Wunderlich, 2004*ap** ..... Pa Baltic amber
1157. *Thomisus defossus* Scudder, 1890*a* ..... Pa Florissant
1158. *Thomisus disjunctus* Scudder, 1890*a* ..... Pa Florissant
1159. *Thomisus lividus* Heer, 1865 ..... Ne Öhningen
1160. *Thomisus resutus* Scudder, 1890*a* ..... Pa Florissant
1161. *Thomisus sulzeri* Heer, 1865 ..... Ne Öhningen

***Xysticus* C. L. Koch, 1835** ..... **Palaeogene – Recent**
1162. ?*Xysticus annulipes* Bertkau, 1878*b* ..... Ne Rott, Germany
1163. *Xysticus archaeopalpus* Leech & Matthews, 1971 ..... Ne Alaska
1164. *Xysticus oeningensis* (Heer, 1865) ..... Ne Öhningen
*Xysticus* sp. *in* Protescu (1937) ..... Pa Romanian amber

**PRODIDOMIDAE Simon, 1884*a*** ..... **Quaternary – Recent**
= MILTIIDAE Thorell, 1873 [based on a generic synonym]

***Prodidomus* Hentz, 1847** ..... **Quaternary – Recent**
1165. *Prodidomus madagascariensis* Wunderlich, 2011*c* ..... Qt Madagascar copal

**DIONYCHA Petrunkevitch, 1928**
"Thomisiformes" gen et. sp. 1 *in* Marusik *et al*. (2018) ..... Pa Sakhalinian amber

**TROCHANTERIIDAE Karsch, 1879** ..... **Palaeogene – Recent**
= PLATORIDAE Simon, 1890

† ***Eotrochanteria* Wunderlich, 2004*am*** ..... **Palaeogene**
1166. *Eotrochanteria kruegeri* Wunderlich, 2004*am** ..... Pa Baltic amber

† ***Sosybius* C. L. Koch & Berendt, 1854** ..... **Palaeogene**
= † *Adamator* Petrunkevitch, 1942
= † *Adjunctor* Petrunkevitch, 1942
= † *Adulatrix* Petrunkevitch, 1942
1167. *Sosybius berendti* Wunderlich, 2004*am* ..... Pa Baltic amber
1168. *Sosybius decumana* (C. L. Koch & Berendt, 1854) ..... Pa Baltic amber
1169. *Sosybius falcatus* Wunderlich, 2004*am* ..... Pa Baltic amber
1170. *Sosybius fusca* (Petrunkevitch, 1942) ..... Pa Baltic amber

1171. *Sosybius kochi* Wunderlich, 2004*am* ..... Pa Baltic amber
1172. *Sosybius lateralis* Wunderlich, 2004*am* ..... Pa Baltic amber
1173. *Sosybius longipes* Wunderlich, 2004*am* ..... Pa Baltic amber
1174. *Sosybius major* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber
1175. *Sosybius minor* C. L. Koch & Berendt, 1854* ..... Pa Baltic amber
1176. *Sosybius mizgirisi* Wunderlich, 2004*am* ..... Pa Baltic amber
1177. *Sosybius parva* (Petrunkevitch, 1942) ..... Pa Baltic amber
1178. *Sosybius perniciosus* Wunderlich, 2004*a* ..... Pa Baltic amber
1179. *Sosybius rufa* (Petrunkevitch, 1942) ..... Pa Baltic amber
1180. *Sosybius similis* Petrunkevitch, 1942 ..... Pa Baltic amber
1181. *Sosybius succineus* (Petrunkevitch, 1942) ..... Pa Baltic amber
1182. *Sosybius tibialis* Wunderlich, 2004*am* ..... Pa Baltic amber
1183. *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]

1184. *Thereola petiolata* (C. L. Koch & Berendt, 1854)* [♀ = ?*Dasuminia* sp. according to Wunderlich 2004*b*] ..... Pa Baltic amber
1185. *Thereola pubescens* (Menge *in* C. L. Koch & Berendt, 1854) ..... Pa Baltic amber

† ***Trochanteridromulus*** **Wunderlich, 2004*am*** ..... **Palaeogene**

1186. *Trochanteridromulus glabripes* Wunderlich, 2004*am** ..... Pa Baltic amber

† ***Trochanteridromus*** **Wunderlich, 2004*am*** ..... **Palaeogene**

1187. *Trochanteridromus scutatus* Wunderlich, 2004*am** ..... Pa Baltic amber

† ***Veterator*** **Petrunkevitch, 1963** ..... **Neogene**

1188. *Veterator angustus* Wunderlich, 1988 ..... Ne Dominican amber
1189. *Veterator ascutum* Wunderlich, 1988 ..... Ne Dominican amber
1190. *Veterator extinctus* Petrunkevitch, 1963* ..... Ne Chiapas amber
1191. *Veterator incompletus* Wunderlich, 1982 ..... Ne Dominican amber
1192. *Veterator longipes* Wunderlich, 1988 ..... Ne Dominican amber
1193. *Veterator loricatus* Wunderlich, 1988 ..... Ne Dominican amber
1194. *Veterator porrectus* Wunderlich, 1988 ..... Ne Dominican amber
1195. *Veterator viduus* Wunderlich, 1988 ..... Ne Dominican amber
*Veterator* sp. 1–2 *in* Wunderlich (1988) ..... Ne Dominican 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**

1196. *Concursator nudipes* Petrunkevitch, 1958* ..... Pa Baltic amber

† ***Systariella*** **Wunderlich, 2004*af*** ..... **Palaeogene**

1197. *Systariella magnioculi* Wunderlich, 2004*af** ..... Pa Baltic amber

**CLUBIONIDAE Simon, 1895** ..... **Palaeogene – Recent**

Clubionidae gen. et sp. *in* Nishikawa (1974) ..... Qt Mizunami copal

***Clubiona* Latreille, 1804a** ..... **Palaeogene – Recent**

1198. *Clubiona arcana* Scudder, 1890*a* ..... Pa Florissant

1199. *Clubiona attenuata* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

1200. *Clubiona curvispinosa* Petrunkevitch, 1922 ..... Pa Florissant

1201. *Clubiona florissanti* Petrunkevitch, 1922 ..... Pa Florissant

1202. *Clubiona lanata* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

1203. *Clubiona microphthalma* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

1204. *Clubiona pubescens* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

1205. *Clubiona sericea* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

1206. *Clubiona tomentosa* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

† ***Desultor* Petrunkevitch, 1942** ..... **Palaeogene**

1207. *Desultor depressus* Petrunkevitch, 1942 ..... Pa Baltic amber

***Elaver* O. P.-Cambridge, 1898** ..... **Neogene – Recent**

1208. *Elaver nutua* (Wunderlich, 1988) ..... Ne Dominican amber

† ***Eobumbatrix* Petrunkevitch, 1922** ..... **Palaeogene**

1209. *Eobumbatrix latebrosa* (Scudder, 1890*a*)* ..... Pa Florissant

† ***Eodoter* Petrunkevitch, 1958** ..... **Palaeogene**

1210. *Eodoter eopala* Wunderlich, 2004*af* ..... Pa Baltic amber

1211. *Eodoter lonimammillae* Wunderlich, 2012*c* ..... Pa Baltic amber

1212. *Eodoter magnificus* Petrunkevitch, 1958* ..... Pa Baltic amber

1213. *Eodoter scutatus* Wunderlich, 2011*d* ..... Pa Baltic amber

1214. ?*Eodoter tibialis* Wunderlich, 2011*d* ..... Pa Baltic amber

† ***Eostentatrix* Petrunkevitch, 1922** ..... **Palaeogene**

1215. *Eostentatrix cockerelli* Petrunkevitch, 1922 ..... Pa Florissant

1216. *Eostentatrix ostentata* (Scudder, 1890*a*)* ..... Pa Florissant

† ***Eoversatrix* Petrunkevitch, 1922** ..... **Palaeogene**

1217. *Eoversatrix eversa* (Scudder, 1890*a*)* ..... Pa Florissant

† ***Machilla* Petrunkevitch, 1958** [family uncertain] ..... **Palaeogene**

1218. *Machilla setosa* Petrunkevitch, 1958* ..... Pa Baltic amber

† ***Massula* Petrunkevitch, 1942** [family uncertain] ..... **Palaeogene**

1219. *Massula klebsi* Petrunkevitch, 1942* ..... Pa Baltic amber

† ***Prosocer* Petrunkevitch, 1963** ..... **Neogene**

1220. *Prosocer mollis* Petrunkevitch, 1963* ..... Ne Chiapas amber

**Clubionidae *incertae sedis***

† ***Chiapasona* Petrunkevitch, 1963** ..... **Neogene**

1221. *Chiapasona defuncta* Petrunkevitch, 1963* ..... Ne Chiapas amber

**ANYPHAENIDAE Bertkau, 1878*a*** ..... **Palaeogene – Recent**

= AMAUROBIOIDIDAE Hickman, 1949

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

1222. '*Anyphaena*' *fuscata* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

***Anyphaenoides* Berland, 1913** ..... **Neogene – Recent**

1223. *Anyphaenoides bulla* (Wunderlich, 1988) ..... Ne Dominican amber

***Lupettiana* Brescovit, 1997** ..... **Neogene – Recent**

1224. *Lupettiana ligula* (Wunderlich, 1988) ..... Ne Dominican amber

***Wulfila* O. P.-Cambridge, 1895** ..... **Neogene – Recent**

1225. *Wulfila spinipes* Wunderlich, 1988 ..... Ne Dominican amber

**GALLIENIELLIDAE Millot, 1947** ..... **Recent**

no fossil record

**LIOCRANIDAE Simon, 1897*a*** ..... **Palaeogene – Recent**

?Liocranidae *in* Wunderlich (1988) ..... Ne Dominican amber

***Apostenus* Westring, 1851** ..... **Palaeogene – Recent**

1226. *Apostenus arnoldorum* Wunderlich, 2004*ag* ..... Pa Baltic amber

1227. *Apostenus bigibber* Wunderlich, 2004*ag* ..... Pa Baltic / Bitt. amber

1228. *Apostenus spinimanus* (C. L. Koch & Berendt, 1854) ..... Pa Baltic amber

***Donuea* Strand, 1932** ..... **Quaternary – Recent**

1229. *Donuea collustrata* Bosselaers & Dierick, 2010 **[Recent]** ..... Qt – R Madagascar

† ***Palaeospinisoma* Wunderlich, 2004*ag*** ..... **Palaeogene**

1230. *Palaeospinisoma femoralis* Wunderlich, 2004*ag** ..... Pa Baltic amber

**TRACHELIDAE Simon,1897** ..... **Neogene – Recent**

***Trachelas* L. Koch, 1872** ..... **Neogene**

1231. *Trachelas poinari* Penney, 2001 ..... Ne Dominican amber

**CITHAERONIDAE Simon, 1893** ..... **Recent**

no fossil record

**PHRUROLITHIDAE Banks, 1892** ..... **Palaeogene – Recent**

***Phrurolithus* C. L. Koch, 1839*b*** ..... **Palaeogene – Recent**

1232. *Phrurolithus extinctus* Petrunkevitch, 1958 ..... Pa Baltic amber

1233. *Phrurolithus fossilis* Petrunkevitch, 1958 ..... Pa Baltic amber

1234. *Phrurolithus ipseni* Petrunkevitch, 1958 ..... Pa Baltic amber

† **EPHALMATORIDAE Petrunkevitch, 1950** ..... **Palaeogene**

† ***Ephalmator* Petrunkevitch, 1950** ..... **Palaeogene**

1235. *Ephalmator bitterfeldensis* Wunderlich, 2004*ad* ..... Pa Bitterfeld amber

1236. *Ephalmator calidus* Wunderlich, 2004*ad* ..... Pa Baltic amber

1237. *Ephalmator debilis* Wunderlich, 2004*ad* ..... Pa Baltic amber
1238. *Ephalmator distinctus* Wunderlich, 2004*ad* ..... Pa Baltic amber
1239. *Ephalmator ellwangeri* Wunderlich, 2004*ad* ..... Pa Baltic amber
1240. ?*Ephalmator eximius* Petrunkevitch, 1958 ..... Pa Baltic amber
1241. *Ephalmator fossilis* Petrunkevitch, 1950* ..... Pa Baltic amber
1242. *Ephalmator kerneggeri* Wunderlich, 2004*ad* ..... Pa Baltic amber
1243. *Ephalmator petrunkevitchi* Wunderlich, 2004*ad* ..... Pa Baltic amber
1244. *Ephalmator ruthildae* Wunderlich, 2004*ad* ..... Pa Baltic amber
1245. *Ephalmator tredecim* Wunderlich, 2012*c* ..... Pa Baltic amber
1246. *Ephalmator trudis* Wunderlich, 2004*ad* ..... Pa Baltic amber
1247. *Ephalmator turpiculus* Wunderlich, 2004*ad* ..... Pa Baltic amber
*Ephalmator* sp. *in* Wunderlich (2004*ad*) ..... Pa Baltic amber

**AMMOXENIDAE Simon, 1893** ..... **Recent**

no fossil record

**LAMPONIDAE Simon, 1893** ..... **Recent**

no fossil record

**GNAPHOSIDAE Pocock, 1898** ..... **?Cretaceous – Recent**

= DRASSIDAE Sundevall, 1833 [based on a generic synonym]

† ***Captrix*** **Petrunkevitch, 1942** ..... **Palaeogene**

1248. *Captrix lineata* (C. L. Koch & Berendt, 1854)* ..... Pa Baltic amber

***Drassodes*** **Westring, 1851** ..... **Palaeogene – Recent**

1249. *Drassodes cupreus* (Blackwall, 1834*a*) **[Recent]** ..... Qt England
1250. ?*Drassodes femurus* Lin, Zhang & Wang, 1989 ..... Ne Shanwang
1251. ?*Drassodes sextii* Berland, 1939 ..... Pa Aix-en-Provence

† ***Drassyllinus*** **Wunderlich, 1988** ..... **Neogene**

1252. *Drassyllinus aliter* Wunderlich, 1988* ..... Ne Dominican amber

† ***Eognaphosops*** **Wunderlich, 2011*b*** ..... **Palaeogene**

1253. *Eognaphosops cryptoplanoides* Wunderlich 2011*b** ..... Pa Baltic amber

† ***Eomactator*** **Petrunkevitch, 1958** ..... **Palaeogene**

1254. *Eomactator hamatus* Wunderlich, 2011*b* ..... Pa Baltic amber
1255. *Eomactator hirsutipes* Wunderlich, 2011*b* ..... Pa Baltic amber
1256. *Eomactator mactatus* Petrunkevitch, 1958* ..... Pa Baltic amber
1257. *Eomactator obscurior* Wunderlich, 2011*b* ..... Pa Baltic amber

***Gnaphosa*** **Latreille, 1804*a*** ..... **?Cretaceous – Recent**

1258. *Gnaphosa affinis* (C. L. Koch & Berendt, 1854) ..... Pa Baltic amber
i. = *Philodromus dubius* C. L. Koch & Berendt, 1854
1259. *Gnaphosa ambigua* (C. L. Koch & Berendt, 1854) ..... Pa Baltic amber
1260. *Gnaphosa liaoningensis* Chang, 2004 [generic assignment unreliable!] K Jehol biota

***Micaria*** **Westring, 1851** ..... **Palaeogene – Recent**

1261. *Micaria procera* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

1262. *Micaria tenella* Heer, 1865 ..... Ne Öhningen

† ***Palaeodrassus* Petrunkevitch, 1922** ..... **Palaeogene**

1263. *Palaeodrassus cockerelli* Petrunkevitch, 1922 ..... Pa Florissant

1264. *Palaeodrassus florissanti* Petrunkevitch, 1922..... Pa Florissant

1265. *Palaeodrassus hesternus* (Scudder, 1890*a*) ..... Pa Florissant

1266. *Palaeodrassus ingenuus* (Scudder, 1890a)* ..... Pa Florissant

1267. *Palaeodrassus interitus* (Scudder, 1890a) ..... Pa Florissant

***Scopoides* Platnick, 1989** ..... **Palaeogene – Recent**

1268. *Scopoides dominicanus* Wunderlich, 2011*g*..... Ne Dominican amber

***Zelotes* Gistel, 1848** ..... **Palaeogene**

1269. *Zelotes concinna* (C. L. Koch & Berendt, 1854) ..... Pa Baltic amber

1270. *Zelotes mundula* (C. L. Koch & Berendt, 1854) ..... Pa Baltic ambe

i. = *Melanophora nobilis* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

1271. *Zelotes regalis* (C. L. Koch & Berendt, 1854) ..... Pa Baltic amber

† ***Zelotetis* Wunderlich, 2011*b***..... **Palaeogene**

1272. *Zelotetis calefacta* Wunderlich, 2011*b*..... Pa Baltic amber

**CORINNIDAE Karsch, 1880*a*** ..... **Palaeogene – Recent**

= MYRMECIIDAE C. L. Koch, 1851 [name already used for ants]

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

1273. *Ablator biguttatus* Wunderlich, 2004*ah* ..... Pa Baltic amber

1274. *Ablator curvatus* Wunderlich, 2004*ah* ..... Pa Baltic amber

1275. *Ablator deminuens* Wunderlich, 2004*ah* ..... Pa Baltic amber

1276. *Ablator depressus* Wunderlich, 2004*ah* ..... Pa Baltic amber

1277. *Ablator duomammillae* Wunderlich, 2004*ah* ..... Pa Baltic amber

1278. *Ablator felix* (Petrunkevitch, 1958) ..... Pa Baltic amber

1279. *Ablator inevolvens* Wunderlich, 2004*ah* ..... Pa Baltic amber

1280. *Ablator longus* Wunderlich, 2004*ah* ..... Pa Baltic amber

1281. *Ablator nonguttatus* Wunderlich, 2004*ah* ..... Pa Baltic amber

1282. *Ablator parvus* Wunderlich, 2004*ah* ..... Pa Baltic amber

1283. *Ablator plumosus* (Petrunkevitch, 1950) ..... Pa Baltic amber

1284. *Ablator robustus* Wunderlich, 2004*ah* ..... Pa Baltic amber

1285. *Ablator scutatus* Wunderlich, 2004*ah* ..... Pa Baltic amber

1286. *Ablator splendens* Wunderlich, 2004*ah* ..... Pa Baltic amber

1287. *Ablator triguttatus* (C. L. Koch & Berendt, 1854)* ..... Pa Baltic ambe

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**

1288. *Alterphrurolithus longipes* Wunderlich, 2004*ah* ..... Pa Baltic amber

***Castianeira* Keyserling, 1880*b*** ..... **Neogene – Recent**

1289. *Castianeira tenebricosa* Wunderlich, 1988 ..... Ne Dominican amber

† ***Chemmisomma* Wunderlich, 1988** ..... **Neogene**

1290. *Chemmisomma dubia* Wunderlich, 1988* ..... Ne Dominican amber

***Corinna* C. L. Koch, 1842*a*** ..... **Neogene – Recent**

1291. *Corinna flagelliformis* Wunderlich, 1988 ..... Ne Dominican amber

† ***Cornucymbium* Wunderlich, 2004ah** ..... **Palaeogene**

1292. *Cornucymbium insolens* Wunderlich, 2004*ah** ..... Pa Baltic amber

† ***Cryptoplanus* Petrunkevitch, 1958** ..... **Palaeogene**

1293. *Cryptoplanus bulbosus* Wunderlich, 2004*ah* ..... Pa Baltic amber

1294. *Cryptoplanus complicatus* Wunderlich, 2004*ah* ..... Pa Baltic amber

1295. *Cryptoplanus incidens* Wunderlich, 2004*ah* ..... Pa Baltic amber

1296. *Cryptoplanus lanatus* (Petrunkevitch, 1958) ..... Pa Baltic amber

1297. *Cryptoplanus paradoxus* Petrunkevitch, 1958* ..... Pa Baltic amber

1298. *Cryptoplanus sericatus* (C. L. Koch & Berendt, 1854) ..... Pa Baltic amber

1299. *Cryptoplanus sinuosus* Wunderlich, 2004*ah* ..... Pa Baltic amber

*Cryptoplanus* sp. *in* Wunderlich (2004*ah*) ..... Pa Baltic amber

† ***Eomazax* Petrunkevitch, 1958** ..... **Palaeogene**

1300. *Eomazax pulcher* Petrunkevitch, 1958* ..... Pa Baltic amber

***Megalostrata* Karsch, 1880*a*** ..... **Neogene – Recent**

1301. *Megalostrata grandis* Wunderlich, 1988 ..... Ne Dominican amber

† ***Myrmecorinna* Wunderlich, 2004*ah*** ..... **Palaeogene**

1302. *Myrmecorinna gracilis* Wunderlich, 2004*ah** ..... Pa Baltic amber

† ***Palpiraptor* Wunderlich, 2011*f*** ..... **Quaternary**

1303. *Palpiraptor myrmarachnoides* Wunderlich, 2011*f** ..... Qt Madagascar copal

† ***Protoorthobula* Wunderlich, 2004*ah*** ..... **Palaeogene**

1304. *Protoorthobula bifida* Wunderlich, 2004*ah** ..... Pa Baltic amber

1305. *Protoorthobula deelemani* Wunderlich, 2004*ah* ..... Pa Baltic / Bitt. Amber

**VIRIDASIIDAE Lehtinen, 1967** ..... **Recent**

No fossil record

**SELENOPIDAE Simon, 1897*a*** ..... **Palaeogene – Recent**

Selenopidae *incertae sedis in* Selden & Wang (2014) ..... Pa Baltic amber

† ***Garcorops* Corronca, 2003** ..... **Quaternary – Recent**

1306. *Garcorops jadis* Bosselaers, 2004 ..... Qt Madagascar copal

i. = ?*Anyphops cortex* Wunderlich, 2004*as* ..... Qt Madagascar copal

***Selenops* Latreille, 1819** ..... **Palaeogene – Recent**

1307. *Selenops benoiti* Wunderlich, 2004*as* ..... Qt Madagascar copal

1308. *Selenops beynai* Schawaller, 1984 ..... Ne Dominican amber

1309. *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

**MITURGIDAE Simon, 1885*a*** ..... **Palaeogene – Recent**

= ZORIDAE F.O.P.-Cambridge, 1893

† ***Zorapostenus* Wunderlich, 2008*c*** ..... **Palaeogene**

1310. *Zorapostenus raveni* Wunderlich, 2008*c* ..... Pa Baltic amber

**EUTICHURIDAE Lehtinen, 1967** ..... **Recent**

= CHEIRACANTHIDAE Wagner, 1887

***Strotarchus* Simon, 1888** ..... **Neogene – Recent**

= † *Mimeutychurus* Petrunkevitch, 1963 [tentative synonomy]

1311. *Strotarchus heidti* Wunderlich, 1988 ..... Ne Dominican amber

1312. *Strotarchus paradoxus* (Petrunkevitch, 1963) ..... Ne Chiapas 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**

1313. *Cretadromus liaoningensis* Cheng, Shen & Gao, 2009 ..... K Liaoning Province

Wunderlich (2012*d*) suggested this could belong in Theridosomatidae

† ***Eothanatus* Petrunkevitch, 1950** ..... **Palaeogene – Recent**

1314. *Eothanatus diritatis* Petrunkevitch, 1950* ..... Pa Baltic 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**

1315. *Almolinus bitterfeldensis* Wunderlich, 2004*aq* ..... Pa Bitterfeld amber

1316. *Almolinus clarus* Petrunkevitch, 1958* ..... Pa Baltic amber

1317. *Almolinus ligula* Wunderlich, 2004*aq* ..... Pa Baltic amber

*?Almolinus* sp. in Wunderlich (2004*aq*) ..... Pa Baltic amber

† ***Attoides* Brongniart, 1877** ..... **Palaeogene**

1318. *Attoides eresiformis* Brongniart, 1877 ..... Pa Aix-en-Provence

† ***Calilinus* Wunderlich, 2004*aq*** ..... **Palaeogene**

1319. *Calilinus fleissneri* Wunderlich, 2004*aq** ..... Pa Baltic amber

† ***Cenattus*** **Petrunkevitch, 1942** ..... **Palaeogene**

1320. *Cenattus exophthalmicus* Petrunkevitch, 1942* ..... Pa Baltic amber

***Corythalia*** **C. L. Koch, 1851** ..... **Neogene – Recent**

1321. *Corythalia ocululiter* Wunderlich, 1988 ..... Ne Dominican amber

1322. *Corythalia pilosa* Wunderlich, 1982 ..... Ne Dominican amber

1323. *Corythalia scissa* Wunderlich, 1988 ..... Ne Dominican amber

† ***Descangeles*** **Wunderlich, 1988** ..... **Neogene**

1324. *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**

1325. *Distanilinus filum* Wunderlich, 2004*aq* ..... Pa Baltic amber

1326. *Distanilinus nutus* Wunderlich, 2004*aq** ..... Pa Baltic amber

1327. *Distanilinus paranutus* Wunderlich, 2004*aq* ..... Pa Baltic amber

1328. *Distanilinus pernutus* Wunderlich, 2004*aq* ..... Pa Baltic amber

† ***Eoattopsis*** **Gourret, 1887** ..... **Palaeogene**

1329. *Eoattopsis hirsutus* Gourret, 1887* ..... Pa Aix-en-Provence

† ***Eolinus*** **Petrunkevitch, 1942** ..... Palaeogene

1330. *Eolinus balticus* Żabka, 1988 ..... Pa Baltic amber

1331. *Eolinus fungus* Wunderlich, 2004*aq* ..... Pa Baltic amber

1332. *Eolinus insuriens* Wunderlich, 2004*aq* ..... Pa Baltic amber

1333. *Eolinus prominens* Wunderlich, 2004*aq* ..... Pa Baltic amber

1334. *Eolinus samlandica* Wunderlich, 2004*aq* ..... Pa Baltic amber

1335. *Eolinus succineus* Petrunkevitch, 1942* ..... Pa Baltic amber

1336. *Eolinus theryi* Petrunkevitch, 1942 ..... Pa Baltic amber

1337. *Eolinus theryoides* Wunderlich, 2004*aq* ..... Pa Baltic amber

1338. *Eolinus tystschenkoi* Proszynski & Żabka, 1980 ..... Pa Baltic amber

1339. *Eolinus vates* Wunderlich, 2004*aq* ..... Pa Baltic amber

*Eolinus* sp. *in* Wunderlich (2004*aq*) ..... Pa Baltic amber

***Euophrys*** **C. L. Koch, 1834** ..... **Palaeogene – Recent**

1340. *Euophrys gibberula* (C. L. Koch & Berendt, 1854) ..... Pa Baltic amber

1341. *Euophrys randeckensis* Schawaller & Ono, 1979 ..... Ne Randecker Maar

† ***Evagoratus*** **Zhang, Sun & Zhang, 1994** ..... **Neogene**

1342. *Evagoratus longicruris* Zhang, Sun & Zhang, 1994 ..... Ne Shanwang

***Galianora*** **Maddison, 2006** ..... **Neogene**

1343. *Galianora marcoi* García-Villafuerte, 2018 ..... Ne Chiapas amber

† ***Gorgopsidis*** **Wunderlich, 2004*aq*** ..... **Palaeogene**

1344. *Gorgopsidis bechlyi* Wunderlich, 2004*aq** ..... Pa Baltic amber

† ***Gorgopsina*** **Petrunkevitch, 1955*a*** ..... **Palaeogene – Neogene**

1345. *Gorgopsina amabilis* Wunderlich, 2004*aq* ..... Pa Baltic amber

1346. *Gorgopsina constricta* Wunderlich, 2004*aq* ..... Pa Baltic amber

1347. *Gorgopsina expandens* Wunderlich, 2004*aq* ..... Pa Baltic amber

1348. *'Gorgopsina' fasciata* (C. L. Koch & Berendt, 1854) ..... Pa Baltic amber

1349. *Gorgopsina flexuosa* Wunderlich, 2004*aq* ..... Pa Baltic amber

1350. *Gorgopsina formosa* (C. L. Koch & Berendt, 1854) ..... Pa Baltic amber

1351. *Gorgopsina fractura* Wunderlich, 2004*ar* ..... Pa Rovno amber

1352. *Gorgopsina frenata* (C. L. Koch & Berendt, 1854)* ..... Pa Baltic amber

1353. *Gorgopsina inclusa* Wunderlich, 2004aq ..... Pa Baltic amber

1354. *Gorgopsina jucunda* (Petrunkevitch, 1942) ..... Pa Baltic amber

1355. *Gorgopsina marginata* (C. L. Koch & Berendt, 1854) ..... Pa Baltic amber

1356. *Gorgopsina melanocephala* (C. L. Koch & Berendt, 1854) ..... Pa Baltic amber

1357. *Gorgopsina naumanni* Giebel, 1856 ..... Pa Baltic amber

1358. *Gorgopsina paulula* (C. L. Koch & Berendt, 1854) ..... Pa Baltic amber

1359. *Gorgopsina rectangularis* Wunderlich, 2011*h* ..... Pa Baltic amber

1360. *?Gorogopsina scharffi* Wunderlich, 2017*d* ..... Ne Ethiopian amber

1361. *Gorgopsina speciosa* Wunderlich, 2004*aq* ..... Pa Baltic amber

***Heliophanus* C. L. Koch, 1833** ..... **Palaeogene – Recent**

1362. *Heliophanus extinctus* Berland, 1939 ..... Pa Aix-en-Provence

***Hyllus* C. L. Koch, 1846** ..... **Quaternary – Recent**

= † *Parevophrys* Petrunkevitch, 1942

1363. *Hyllus succini* (Petrunkevitch, 1942) ..... Qt Copal

originally described as Baltic amber

***Lyssomanes* Hentz, 1845** ..... **Neogene – Recent**

1364. *Lyssomanes pristinus* Wunderlich, 1986 ..... Ne Dominican amber

i. = *Lyssomanes galianoae* Reiskind, 1989 ..... Ne Dominican amber

1365. *Lyssomanes pulcher* Wunderlich, 1988 ..... Ne Dominican amber

***Maevia* C. L. Koch, 1846** ..... **?Neogene – Recent**

1366. *Maevia eureka* Riquelme & Menéndez-Acuña, 2017 ..... Ne Chiapas amber

† ***Microlinus* Wunderlich, 2004*aq*** ..... **Palaeogene**

1367. *Microlinus calidus* Wunderlich, 2004*aq* ..... Pa Baltic amber

1368. *Microlinus folium* Wunderlich, 2004*aq** ..... Pa Baltic amber

***Myrmarachne* MacLeay, 1839** ..... **Quaternary – Recent**

= † *Entomocephalus* Holl, 1829 [suppressed; see ICZN Opinion 2258]

1369. *Myrmarachne formicoides* (Holl, 1829) ..... ?Qt Copal [?not amber]

***Neon* Simon, 1876*a*** ..... **Quaternary – Recent**

1370. *Neon ?reticulatus* (Blackwall, 1853) **[Recent]** ..... Qt England

***Nilakantha* Peckham & Peckham, 1901** ..... **Neogene – Recent**

1371. *Nilakantha beugelorum* (Wolff, 1990) ..... Ne Dominican amber

† ***Paralinus* Petrunkevitch, 1942** ..... **Palaeogene**

1372. *Paralinus crosbyi* Petrunkevitch, 1942* ..... Pa Baltic amber

† ***Pensacolatus*** **Wunderlich, 1988** ..... **Neogene**

1373. *Pensacolatus coxalis* Wunderlich, 1988* ..... Ne Dominican amber

1374. *Pensacolatus spinipes* Wunderlich, 1988 ..... Ne Dominican amber

1375. ?*Pensacolatus tibialis* Wunderlich, 2004*aq* ..... Ne Dominican amber

*Pensacolatus* sp. *in* Wunderlich (1988) ..... Ne Dominican amber

***Phidippus*** **C. L. Koch, 1846** ..... **Palaeogene**

1376. *Phidippus impressus* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

1377. *Phidippus pusillus* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

† ***Phlegrata*** **Wunderlich, 1988** ..... **Neogene**

1378. *Phlegrata pala* Wunderlich, 1988* ..... Ne Dominican amber

† ***Prolinus*** **Petrunkevitch, 1958** ..... **Palaeogene**

1379. *Prolinus fossilis* Petrunkevitch, 1958* ..... Pa Baltic amber

† ***Salticidites*** **Straus, 1967** ..... **Neogene**

1380. *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]

1381. *Steneattus promissa* (C. L. Koch & Berendt, 1854)* ..... Pa Baltic amber

**Araneomorphae *incertae sedis***

† ***Elvina*** **Thorell, 1870*b*** ..... **Neogene**

1382. *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**

1383. *Amphiclotho breviuscula* Gourret, 1887* ..... Pa Aix-en-Provence

† ***Amphithomisus*** **Gourret, 1887** ..... **Palaeogene**

1384. *Amphithomisus barbatus* Gourret, 1887* ..... Pa Aix-en-Provence

† ***Atocatle*** **Feldmann, Vega, Applegate & Bishop, 1998** [really a spider?] ..... **Cretaceous**

1385. *Atocatle ranulfoi* Feldmann, Vega, Applegate & Bishop, 1998* ..... K Puebla, México

† ***Cercidiella*** **Gourret, 1887** ..... **Palaeogene**

1386. *Cercidiella aquisextana* Gourret, 1887* ..... Pa Aix-en-Provence

† ***Clubionella*** **Gourret, 1887** ..... **Palaeogene**

1387. *Clubionella antiqua* Gourret, 1887* ..... Pa Aix-en-Provence

† ***Eresoides*** **Gourret, 1887** ..... **Palaeogene**

1388. *Eresoides orbicularis* Gourret, 1887* ..... Pa Aix-en-Provence

† ***Hersilioides*** **Gourret, 1887** ..... **Palaeogene**

1389. *Hersilioides thanatiformis* Gourret, 1887* ..... Pa Aix-en-Provence

† ***Opisthophylax*** **Menge, 1856** ..... **Palaeogene**

1390. *Opisthophylax exarata* Menge, 1856* ..... Pa Baltic amber

† ***Prodysdera* Gourret, 1887** ..... **Palaeogene**

1391. *Prodysdera intermedia* Gourret, 1887* ..... Pa Aix-en-Provence

† ***Protochersis* Gourret, 1887** ..... **Palaeogene**

1392. *Protochersis spinosus* Gourret, 1887* ..... Pa Aix-en-Provence

† ***Protolachesis* Gourret, 1887** ..... **Palaeogene**

1393. *Protolachesis annulata* Gourret, 1887* ..... Pa Aix-en-Provence

† ***Paralycosa* Dunlop & Jekel, 2009** ..... **Palaeogene**

= † *Protolycosa* Gourret, 1887 [preoccupied]

1394. *Paralycosa attiformis* (Gourret, 1887)* ..... Pa Aix-en-Provence

† ***Pseudothomisus* Gourret, 1887** ..... **Palaeogene**

1395. *Pseudothomisus articulatus* Gourret, 1887* ..... Pa Aix-en-Provence

† ***Schellenbergia* Heer, 1865** ..... **Neogene**

1396. *Schellenbergia rotundata* Heer, 1865* ..... Ne Öhningen

† ***Timeropus* Thorell, 1891** ..... **Palaeogene**

= † *Lycosoides* Gourret, 1887 [preoccupied]

1397. *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**

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

name based on a subadult male

† ***Miropholcus*** **Petrunkevitch, 1942 (*nomen dubium*)** ..... **Palaeogene**

= † *Micropholcus* Petrunkevitch, 1942 [*lapsus*]

16. *Miropholcus heteropus* Petrunkevitch, 1942* ..... Pa Baltic amber

† ***Perturbator*** **Petrunkevitch, 1971 (*nomen dubium*)** ..... **Neogene**

17. *Perturbator corniger* Petrunkevitch, 1971* ..... Ne Chiapas amber

† ***Phalangopus*** **Menge *in* C. L. Koch & Berendt, 1854 (*nomen dubium*)** ..... **Palaeogene**

18. *Phalangopus subtilis* Menge *in* C. L. Koch & Berendt, 1854* ..... Pa Baltic amber

† ***Praeoarces*** **Wunderlich, 2004*q*** ..... **Palaeogene**

19. *Praeoarces exitus* Wunderlich, 2004*q** ..... Pa Baltic amber

***Segestria*** **Latreille, 1804** [also contains valid fossil species]

20. *Segestria elongata* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber
21. *Segestria nana* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

*NOMINA NUDA*

***Amaurobius*** **C. L. Koch, 1837** [no currently valid fossil species]

1. *Amaurobius spinimanus* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

probably belongs in *Eomatachia* (cf. Wunderlich 2017*a*), but species unclear

† ***Anatone*** **Menge *in* C. L. Koch & Berendt, 1854 (*nomen nudum*)** ..... **Palaeogene**

2. *Anatone hirsuta* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber
3. *Anatone marginata* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber
4. *Anatone spinipes* Menge *in* C. L. Koch & Berendt, 1854* ..... Pa Baltic amber

***Aranea*** **Clerck, 1757** [now *Araneus* Clerck, 1757; which also contains valid fossil species]

5. *Aranea fossilis* Keferstein, 1834 ..... Pa Aix-en-Provence

***Archaea*** **C. L. Koch & Berendt, 1854** [also contains valid fossil species]

6. *Archaea incomta* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber
7. *Archaea sphinx* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

† ***Athera*** **Menge *in* C. L. Koch & Berendt, 1854 (*nomen nudum*)** ..... **Palaeogene**

8. *Athera exilis* Menge *in* C. L. Koch & Berendt, 1854* ..... Pa Baltic amber

***Attus*** **Walckenaer, 1805** [now *Salticus* Latreille, 1804; no currently valid fossil species]

9. *Attus fossilis* Walckenaer, 1837 ..... Pa Baltic amber

***Clubiona*** **Latreille, 1804** [also contains valid fossil species]

10. *Clubiona eseri* Heer, 1865 ..... Ne Öhningen
11. *Clubiona latifrons* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber
12. *Clubiona parvula* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber
13. *Clubiona pilosa* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

† ***Clythia*** **C. L. Koch & Berendt, 1854** [also contains a *nomen dubium* fossil species]

14. *Clythia funestra* Koch & Berendt, 1854 ..... Pa Baltic amber
15. *Clythia gracilenta* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber
16. *Clythia leptocarena* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

† ***Dielacata* Menge *in* C. L. Koch & Berendt, 1854 (*nomen nudum*)** ..... **Palaeogene**

17. *Dielacata superba* Menge *in* C. L. Koch & Berendt, 1854* ..... Pa Baltic amber

***Drassus* Walckenaer, 1805** [now *Gnaphosa* Latreille, 1804; which also contains valid fossil species]

18. *Drassus oblongus* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

***Dysdera* Latreille, 1804** [also contains valid fossil species]

19. *Dysdera hippopodium* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber
20. *Dysdera glabrata* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber
21. *Dysdera scobiculata* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber
22. *Dysdera tenera* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

† ***Eolinus* Petrunkevitch, 1942** [also contains valid fossil species]

23. *Eolinus bitterfeldensis* Wunderlich, 2004*aq* ..... Pa Baltic amber
24. *Eolinus tystschenkoides* Wunderlich, 2004*aq* ..... Pa Baltic amber

***Epeira* Walckenaer, 1805** [now *Araneus* Clerck, 1757; which also contains valid fossil species]

25. *Epeira eocaenica* Giebel, 1856 ..... Pa Baltic amber
26. *Epeira eocena* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

† ***Epeiridion* Menge *in* C. L. Koch & Berendt, 1854 (*nomen nudum*)** ..... **Palaeogene**

27. *Epeiridion femoratum* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

† ***Erithus* Menge *in* C. L. Koch & Berendt, 1854 (*nomen nudum*)** ..... **Palaeogene**

28. *Erithus applanatus* Menge *in* C. L. Koch & Berendt, 1854* ..... Pa Baltic amber

***Ero* C. L. Koch & Berendt, 1836** [also contains valid fossil species]

29. *Ero coronata* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber
30. *Ero exculpta* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber
31. *Ero sphaerica* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber
32. *Ero quadripunctata* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

† ***Eyukselus* Özdikmen, 2007 (*nomen nudum*)** ..... **Palaeogene**

= † *Propetes* Menge, 1854 [preoccupied]

33. *Eyukselus argutus* (Menge *in* C. L. Koch & Berendt, 1854) ..... Pa Baltic amber
34. *Eyukselus felinus* (Menge *in* C. L. Koch & Berendt, 1854) ..... Pa Baltic amber
35. *Eyukselus griseus* (Menge *in* C. L. Koch & Berendt, 1854) ..... Pa Baltic amber
36. *Eyukselus latifrons* (Menge *in* C. L. Koch & Berendt, 1854) ..... Pa Baltic amber
37. *Eyukselus pumilus* (Menge *in* C. L. Koch & Berendt, 1854) ..... Pa Baltic amber

***Gea* C. L. Koch, 1843** [also contains valid fossil species]

38. *Gea pubescens* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

† ***Heteromma* Menge, 1856 (*nomen nudum*)** ..... **Palaeogene**

39. *Heteromma intersecta* Menge, 1856* ..... Pa Baltic amber

† ***Idmonia* Menge *in* C. L. Koch & Berendt, 1854 (*nomen nudum*)** ..... **Palaeogene**

40. *Idmonia virginea* Menge *in* C. L. Koch & Berendt, 1854* ..... Pa Baltic amber

***Melanophora* C. L. Koch, 1833** [now *Zelotes* Gistel, 1848; which also contains valid fossil species]

41. *Melanophora lepida* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

42. *Melanophora nitida* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

***Micaria* Westring, 1851** [also contains valid fossil species]

43. *Micaria ovata* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber
44. *Micaria squamata* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber
45. *Micaria tenuis* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

***Micryphantes* C. L. Koch, 1833** [also contains valid fossil species]

46. *Micryphantes globulus* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber
47. *Micryphantes turritus* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

† ***Mizalia* C. L. Koch & Berendt, 1854** [also contains valid fossil species]

48. *Mizalia truncata* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

† ***Ocia* Menge *in* C. L. Koch & Berendt, 1854 (*nomen nudum*)** ..... **Palaeogene**

49. *Ocia hirsuta* Menge *in* C. L. Koch & Berendt, 1854* ..... Pa Baltic amber

***Ocypete* C. L. Koch, 1836** [now *Heteropoda* Latreille, 1804; which also contains valid fossil species]

50. *Ocypete angustifrons* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber
51. *Ocypete marginata* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

† ***Onca* Menge *in* C. L. Koch & Berendt, 1854 (*nomen nudum*)** ..... **Palaeogene**

52. *Onca lepida* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber
53. *Onca pumila* Menge *in* C. L. Koch & Berendt, 1854* ..... Pa Baltic amber

***Philodromus* Walckenaer, 1826** [also contains valid fossil species]

54. *Philodromus griseus* Menge, 1856 ..... Pa Baltic amber
55. *Philodromus marginatus* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber
56. *Philodromus reptans* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber
57. *Philodromus redogradus* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber
58. *Philodromus spinipes* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

***Pythonissa* C. L. Koch, 1837** [now *Gnaphosa* Latreille, 1804; which also contains valid fossil species]

59. *Pythonissa bipunctata* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber
60. *Pythonissa discophora* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber
61. *Pythonissa glabra* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber
62. *Pythonissa villosa* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

***Segestria* Latreille, 1804** [also contains valid fossil species]

63. *Segestria exarata* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber
64. *Segestria sulcata* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber
65. *Segestria undulata* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

† ***Siga* Menge *in* C. L. Koch & Berendt, 1854 (*nomen nudum*)** ..... **Palaeogene**

66. *Siga crinita* Menge *in* C. L. Koch & Berendt, 1854* ..... Pa Baltic amber

† ***Spheconia* Menge *in* C. L. Koch & Berendt, 1854 (*nomen nudum*)** ..... **Palaeogene**

67. *Spheconia brevipes* Menge *in* C. L. Koch & Berendt, 1854* ..... Pa Baltic amber

† ***Syphax* C. L. Koch & Berendt, 1854** [also contains valid fossil species]

68. *Syphax hirtus* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

***Theridium* Walckenaer, 1805** [now *Theridion* Walckenaer, 1805; which also contains valid fossil species]

69. *Theridium bifurcum* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber
70. *Theridium chorius* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

71. *Theridium clavigerum* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber
72. *Theridium crassipes* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber
73. *Theridium setulosum* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

***Thomisus* Walckenaer, 1805** [also contains valid fossil species]

74. *Thomisus matutinus* Menge, 1856 ..... Pa Baltic amber

† ***Thyelia* C. L. Koch & Berendt, 1854** [also contains valid fossil species]

75. *Thyelia mengei* Giebel, 1856 ..... Pa Baltic amber
76. *Thyelia pectinata* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber
77. *Thyelia spinosa* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

† ***Zilla* C. L. Koch & Berendt, 1834** [also contains valid fossil species]

78. *Zilla cornumana* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber
79. *Zilla spinipalpa* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

MISIDENTIFICATIONS

***Aranea* Clerck, 1757** [now *Araneus* Clerck, 1757; which also contains valid fossil species]

1. *Aranea fusca pilosa* Bloch, 1776 [*nomen dubium*; non Araneae?] ..... Qt Copal

† ***Araneaovoius* Dunlop & Braddy, 2011 [ichnogenus]** ..... **Palaeogene**

2. *Araneaovoius columbiae* (Scudder 1878)* [fossil egg sac] ..... Pa Canada / USA

† ***Archaeometa* Pocock, 1911** ..... **?Devonian**

3. ?*Archaeometa devonica* Størmer, 1976 [unidentifiable] ..... D Alken an der Mosel

† ***Eopholcus* Frič, 1904** ..... **Carboniferous**

4. *Eopholcus pedatus* Frič, 1904* [not identified] ..... C Nýřany

† ***Oichnus* Bromley 1981 [ichnogenus]** ..... **Palaeogene**

5. *Oichnus bavincourti* (Vaillant, 1909) [at one stage placed in *Cteniza*] ..... Pa Northern France

† ***Palpipes* Roth, 1854** ..... **Jurassic**

6. *Palpipes cursor* Roth, 1854 [crustacean] ..... J Solnhofen

† ***Palaeocteniza* Hirst, 1923** ..... **Devonian**

7. *Palaeocteniza crassipes* Hirst, 1923* [juvenile trigonotarbid?] ..... D Rhynie chert

† ***Pleurolycosa* Frič, 1904** ..... **Carboniferous**

8. *Pleurolycosa prolifera* (Frič, 1901)* [unidentifiable] ..... C Nýřany

48,270 Recent species according to the WSC (2019)

# 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

11 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**

† **WEYGOLDTINIDAE Dunlop, 2018** ..... **Carboniferous**

† ***Weygoldtina*** **Dunlop, 2018** ..... **Carboniferous**

1. *Weygoldtina anglica* (Pocock, 1911) ..... C Coseley
2. *Weygoldtina scudderi* (Pocock, 1911)* ..... C Mazon Creek

**PARACHARONTIDAE Weygoldt, 1996** ..... **Carbon. – Recent**

† ***Paracharonopsis*** **Engel & Grimaldi, 2014** ..... **Palaeogene**

3. *Paracharonopsis cambayensis* Engel & Grimaldi, 2014* ..... Pa Cambay amber

**EUAMBLYPYGI Weygoldt, 1996 (suborder)** ..... **Carbon – Recent**

**FAMILY UNCERTAIN**

† ***Sorellophrynus*** **Harvey, 2002** ..... **Carboniferous**

= † *Protophrynus* Petrunkevitch, 1913 (preoccupied)

4. *Sorellophrynus carbonarius* (Petrunkevitch, 1913)* ..... C Mazon Creek

**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**

5. *Kronocharon engeli* Wunderlich, 2015*c* ..... K Burmese amber
6. *Kronocharon longicalcaris* Wunderlich, 2015*c* ..... K Burmese amber
7. *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**

8. *Britopygus weygoldti* Dunlop & Martill, 2002 …… K Crato Formation

***Phrynus*** **Lamarck, 1801** …… **Neogene – Recent**

9. *Phrynus mexicana* Poinar & Brown, 2004 …… Ne Chiapas amber
10. *Phrynus resinae* (Schawaller, 1979*b*) …… Ne Dominican amber

AMBLYPYGI *INCERTAE SEDIS*

† ***Thelyphrynus*** **Petrunkevitch, 1913** …… **Carboniferous**

11. *Thelyphrynus elongatus* Petrunkevitch, 1913 …… C Mazon Creek

*NOMINA DUBIA*

† ***Graeophonus*** **Scudder, 1890*b*** …… **Carboniferous**

Dunlop (2018) treated the entire genus as a *nomen dubium* as its type species is the fossil *L. carbonaria* (see below), which is not demonstrably a whip spider

1. *Electrophrynus mirus* Petrunkevitch, 1971 …… Ne Chiapas amber
2. *Libellula carbonaria* Scudder, 1876 …… C Cape Breton

based on an abdomen only which cannot be meaningfully ascribed to any particular arthropod group

3. *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

111 Recent species according to Clouse *et al*. (2017)

# 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

305 Recent species according to Clouse *et al*. (2017)

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