

Family-group names of Ichneumonidae [adapted from Fitton & Gauld (1976, 1978)]

Subfamily **ACAENITINAE** Förster, 1869.

Acoenitoidea Förster, 1869: 142, 167. Type-genus: *Acoenites* Latreille, an unjustified emendation of *Acaenitus* Latreille.

Acaenitini Förster; Szépligeti, 1908b: 94. Corrected spelling -- Articles 32 (c) & 33 (b) of the *Code*.

Coleocentri Clément, 1938: 506. Type-genus: *Coleocentrus* Gravenhorst.

Subfamily **ADELOGNATHINAE** Thomson, 1888.

Adelognathides Thomson, 1888: 1271, 1272. Type-genus: *Adelognathus* Holmgren.

Subfamily **AGRIOTYPINAE** Haliday, 1838.

Agriotypidae Haliday, 1838: 212. Type-genus: *Agriotypus* Curtis.

Subfamily **ANOMALONINAE** Viereck, 1918 (1900) [= Anomalinae of Townes].

1. Tribe **Anomalonini** Viereck, 1918 (1900) [= Anomalini of Townes]

[Trachynotoidea Förster, 1869: 140, 147. Invalid proposal based on *Trachynotus* Gravenhorst, junior homonym of *Trachynotus* Latreille.]

Nototrachiina Woldstedt, 1877: 4. Type-genus: *Nototrachys* Marshall (= *Anomalon* Panzer). Incorrectly formed stem.

Nototrachini Ashmead, 1900a: 580. Justified emendation.

Anomaloninae Viereck, 1918: 72. Type-genus: *Anomalon* Panzer. Correctly formed stem? Names based on *Anomalon* rather than *Nototrachys* have been in general use since 1918 and Ashmead's name is therefore not given priority (Article 40 (a) and (b) of the *Code*).

Anomalina Viereck; Townes, 1945: 708. This form, with an incorrect stem, is a junior homonym of *Anomalitae* Blanchard, 1851.

2. Tribe **Gravenhorstiini** Enderlein, 1912 [includes Podogastrini and Theriini of Townes; Gauld, 1976].

[Anomaloidae Förster, 1869: 140, 145. Type-genus: *Anomalon* Panzer. Förster misidentified the type-genus, as did Ashmead.

This error was corrected by Viereck (1918). Förster's name is a junior homonym of *Anomalitae* Blanchard, 1851: 173.

Incorrectly formed stem.]

[Anomalonini Ashmead, 1895: 277. ? correctly formed stem. Misidentified type-genus.]

[Pharsaliinae Szépligeti, 1905: 2, 3. Invalid proposal based on *Pharsalia* Cresson, junior homonym of *Pharsalia* Thomson.]

Gravenhorstiini Enderlein, 1912. Type-genus: *Gravenhorstia* Boie.

Hymenopharsalinae Viereck, 1918: 72. Type-genus: *Hymenopharsalia* Morley (= *Ophonellus* Westwood). Incorrectly formed stem.

Therioninae Viereck, 1918: 72. Type-genus: *Therion* Curtis. Incorrectly formed stem.

Ophonellini Cushman, 1922: 14. Type-genus: *Ophonellus* Westwood.

[Aphanistina Townes, 1944: 22. Not available under Article 13 of the *Code*.]

[Ophiopterina Townes, 1944: 22. Not available under Article 13 of the *Code*.]

[Gravenhorstina Hellén, 1950: 31. Not available under Article 13 of the *Code*.]

[Trichommina Hellén, 1950: 31. Not available under Article 13 of the *Code*.]

[Gravenhorstiina Townes & Townes, 1951: 396. Not available under Article 13 of the *Code*.]

Erigorgina Viktorov, 1968: 554. Type-genus: *Erigorgus* Förster.

Podogastrini Townes, 1971: 124, 148. Type-genus: *Podogaster* Brullé.

Theriini Viereck; Townes, 1971: 124, 155. Justified emendation.

Subfamily **BANCHINAE** Wesmael, 1845 [includes Townesioninae; Gauld & Wahl, 2000].

1. Tribe **Atrophini** Seyrig, 1932 [= Lissonotini of Townes; Gauld (1984)].

[Lissonotoidea Förster, 1869: 142, 166. Type-genus: *Lissonota* Gravenhorst. Lissonotini based on *Lissonota* is a junior homonym of Lissonotini based on the coleopterous genus *Lissonotus* Schoenherr.]

Megacremastinae Meyer, 1932: 31. Type-genus: (*Megacremastus* Meyer) = *Leptobatopsis* Ashmead.

Atrophini Seyrig, 1932: 20, 170. Type-genus: *Atropha* Kriechbaumer.

[Lissonotanini Carlson, 1979: 567. Illegal emendation in violation of Article 55 of the *Code*.]

2. Tribe **Banchini** Wesmael, 1845.

Banchi Wesmael, 1845: 6. Type-genus: *Banchus* Fabricius. Wesmael's use of Banchi is regarded as a valid proposal because he not only includes the nominal genus but also *Plectiscus* and *Mesochorus*.

Exetastinae Viereck, 1918: 72. Type-genus: *Exetastes* Gravenhorst.

3. Tribe **Glyptini** Cushman & Rohwer, 1920.

Glyptini Cushman & Rohwer, 1920: 388, 393. Type-genus: *Glypta* Gravenhorst.

Townesioninae Kasparyan, 1993: 155. Type-genus: *Townesion* Kasparyan.

Subfamily **BRACHYCYRTINAE** Viereck, 1919 [part of Labiinae of Townes; Wahl, 1993].

Brachycyrtinae Viereck, 1919: 198. Type-genus: *Brachycyrtus* Kriechbaumer.

Proterocryptini Cushman, 1919: 543. Type-genus: (*Proterocryptus* Ashmead) = *Brachycyrtus* Kriechbaumer.

[Brachycyrtini Townes & Townes, 1951: 203. Not available under Article 13 of the Code.]

Subfamily **CAMPOPLEGINAE** Förster, 1869.

Campoplegoidae Förster, 1869: 141, 150. Type-genus: *Campoplex* Gravenhorst. Förster misidentified the type-genus, for which a type-species was designated by Westwood (1840). The genus identified by Förster and other authors as *Campoplex* is *Dusona* Cameron (a senior synonym of *Campoplegidea* Viereck 1912 (Viereck, 1912a), proposed for *Campoplex* of authors).

Limnerinae Szépligeti, 1911: 1, 2, 3. Type-genus: (*Limnerium* Ashmead) = *Olesicampe* Förster. Incorrectly formed stem.

Charopsinae Viereck, 1918: 72. Type-genus: *Charops* Holmgren. Incorrectly formed stem.

Cryptophioninae Viereck, 1918: 72. Type-genus: *Cryptophion* Viereck.

Macrini Townes, 1971: 241. Type-genus: *Macrus* Gravenhorst.

Cymodusini V. Gupta, 1987: 402. Type-genus: *Cymodusa* Holmgren.

Subfamily **COLLYRIINAE** Cushman, 1924.

Collyriini Cushman, 1924: 229. Type-genus: *Collyria* Schiødte.

Subfamily **CREMASTINAE** Förster, 1869.

Cremastoidae Förster, 1869: 141, 149. Type-genus: *Cremastus* Gravenhorst.

Pristomeroidae Förster, 1869: 141, 149. Type-genus: *Pristomerus* Curtis.

[Xiphosominae Szépligeti, 1905: 2, 3. Invalid proposal based on *Xiphosoma* Marshall, an unjustified emendation of *Eiphosoma* Cresson.]

Eiphosominae Szépligeti; Viereck, 1918: 72. Type-genus: *Eiphosoma* Cresson.

Subfamily **CRYPTINAE** Kirby 1837 [= Gelineae of Townes, Hemitelinae and Phygadeuontinae of authors].1. Tribe **Claseini** Townes, 1969 [part of Labiinae of Townes; Gauld (1978)]

[Clasini Townes, 1969: 195, 201. Type-genus: *Clasis* Townes. Incorrectly formed stem.]

Claseinae Porter, 1998: 54. Corrected spelling -- Article 32 (c) & (d) of the Code.

2. Tribe **Cryptini** Kirby 1837 [= Mesostenini of authors].a. subtribe **Agrothereutina** Townes, 1970.

Agrothereutina Townes, 1970a: 142, 145. Type-genus: *Agrothereutes* Förster.

b. subtribe **Ateleutina** Townes, 1967.

Ateleutina Townes, 1967: 181. Type-genus: *Ateleute* Förster.

c. subtribe **Baryceratina** Townes.

Baryceratina Townes (*in*: Townes, Townes & Gupta, 1961: 438). Type-genus: *Baryceros* Gravenhorst.

d. subtribe **Ceratocryptina** Townes, 1970.

Ceratocryptina Townes, 1970a: 144, 299. Type-genus: *Ceratocryptus* Cameron.

e. subtribe **Coesulina** Townes, 1970.

Coesulina Townes, 1970a: 144, 293. Type-genus: *Coesula* Townes.

f. subtribe **Cryptini** Kirby, 1837 [= Ischnina of Townes].

Cryptidae Kirby, 1837. Type-genus: *Cryptus* Fabricius, 1804. Cryptini Kirby, 1837 and *Cryptus* Fabricius, 1804 were conserved by Opinion 1757 (International Commission on Zoological Nomenclature, 1994).

- Hedycryptinae Bradley, 1919: 55. Type-genus: *Hedycryptus* Cameron.
 [Trachysphyrini Constantineanu & Constantineanu, 1968. Not available under Article 13 of the Code.]
 Ischnina Townes, 1970a: 145, 158. Type-genus: *Ischnus* Gravenhorst.
- g. subtribe **Gabuniina** Townes, 1970.
 Gabuniina Townes, 1970a: 143, 325. Type-genus: *Gabunia* Kriechbaumer.
- h. subtribe **Glodianina** Townes, 1970.
 Glodianina Townes, 1970a: 144, 232. Type-genus: *Glodianus* Cameron.
- i. subtribe **Goryphina** Townes, 1970.
 Goryphina Townes, 1970a: 145, 235. Type-genus: *Goryphus* Holmgren.
- j. subtribe **Lymeonina** Townes, 1970.
 Lymeonina Townes, 1970a: 144, 276. Type-genus: *Lymeon* Förster.
- k. subtribe **Mesostenina** Ashmead, 1900.
 Mesostenini Ashmead, 1900a: 570. Type-genus: *Mesostenus* Gravenhorst.
- l. subtribe **Melanocryptina** Townes, 1970.
 Melanocryptina Townes, 1970a: 144, 298. Type-genus: *Melanocryptus* Cameron.
- m. subtribe **Osprynchotina** Viereck, 1918 [= Nematopodiina of Townes].
 Osprynchotina Viereck, 1918: 73. Type-genus: *Osprynchotus* Spinola.
 Nematopodiina Townes, 1970a: 437, 443. Type-genus: *Nematopodius* Gravenhorst.
- n. subtribe **Sphecophagina** Beirne, 1941.
 [Crypturina Schmiedeknecht, 1911: 2278. Invalid proposal based on *Crypturus* Gravenhorst, junior homonym of *Cryptus* Illiger.]
 [Endurini Schmiedeknecht, 1912: 2495. Invalid proposal based on *Endurus* Rondani (replacement name for *Crypturus* Gravenhorst), junior objective synonym of *Latibulus* Gistel (the valid replacement name for *Crypturus* Gravenhorst).]
 [Sphecophagini Seyrig, 1934: 12. Not available under Article 13 of the Code.]
 Sphecophagini Beirne, 1941: 167, 174. Type-genus: *Sphecophaga* Westwood.
 Latibulinae Constantineanu & Constantineanu, 1968: 171. Type-genus: *Latibulus* Gistel. Replacement name for Crypturina Schmiedeknecht and Endurini Schmiedeknecht.
- o. subtribe **Vagenathina** Townes, 1970.
 Vagenathina Townes, 1970a: 142, 294. Type-genus: *Vagenatha* Cameron.
3. Tribe **Hemigasterini** Ashmead, 1900 [part of Echthrini of Townes].
 Hemigasterini Ashmead, 1900b: 25, 38. Type-genus: *Hemigaster* Brullé.
 Pseudocryptina Schmiedeknecht, 1911: 2278. Type-genus: (*Pseudocryptus* Kriechbaumer) = *Giraudia* Förster. [Aptesini Townes, 1944: 19. Not available under Article 13 of the Code.]
 Aptesini Smith & Shenefelt, 1955: 184, 185. Type-genus: *Aptesini* Förster. Aptesini is retained under Article 40(b) of the Code and takes the date of Schmiedeknecht's name.
 Echthrini Narayanan & Kundan Lal, 1958: 18, 25. Type-genus: *Echthrus* Gravenhorst
4. Tribe **Phygadeuontini** Förster, 1869.
- a. subtribe **Acrolytina** Townes, 1970.
 Acrolytina Townes, 1970a: 5, 27. Type-genus: *Acrolyta* Förster.
- b. subtribe **Bathytrichina** Townes, 1970.
 Bathytrichina Townes, 1970a: 7, 86. Type-genus: *Bathytrichia* Förster.
- c. subtribe **Chiroticina** Townes, 1970.
 Chiroticina Townes, 1970a: 5, 8. Type-genus: *Chirotica* Förster.
- d. subtribe **Cremnodina** Townes, 1970.
 Cremnodina Townes, 1970a: 6, 107. Type-genus: *Cremnodes* Förster.
- e. subtribe **Endaseina** Townes, 1970.
 Endaseina Townes, 1970a: 7, 77. Type-genus: *Endasys* Förster.
- f. subtribe **Ethelurgina** Townes, 1970.
 Ethelurgina Townes, 1970a: 7, 71. Type-genus: *Ethelurgus* Förster.
- g. subtribe **Gelina** Viereck, 1918 (1869).
 Pezomachoidae Förster, 1869: 143, 172. Type-genus: (*Pezomachus* Gravenhorst) = *Gelis* Thunberg.
 Gelinae Viereck, 1918: 73. Type-genus: *Gelis* Thunberg. Gelini is retained under provisions of Article 40 (a) and (b) of the Code and takes the date of Förster's name.
- h. subtribe **Hemitelina** Förster, 1869 (includes Gnypetomorpha; Horstmann, 1992).
 Hemiteloidae Förster, 1869: 144, 173. Type-genus: *Hemiteles* Gravenhorst.
 Myersiidae Viereck, 1912c: 575. Type-genus: (*Myersia* Viereck) = *Polyaulon* Förster.
 Gnypetomorpha Townes, 1970a: 6, 57. Type-genus: *Gnypetomorpha* Förster.
- i. subtribe **Mastrina** Townes, 1970.
 Mastrina Townes, 1970a: 7, 59. Type-genus: *Mastrus* Förster.
- j. subtribe **Phygadeuontina** Förster, 1869 [includes Cephalobaridina; Horstmann, 1992].
 Phygadeuontoidae Förster, 1869: 144, 181. Type-genus: *Phygadeuon* Gravenhorst.
 Cephalobaridina Townes, 1970a: 7, 111. Type-genus: *Cephalobaris* Kryger.

k. subtribe **Rothneyiina** Cameron, 1906.

Rothneyini Cameron, 1906: 252. Type-genus: *Rothneyia* Cameron. Incorrectly formed stem.

Rothneyiini Cameron; Schmiedeknecht, 1908: 94. Justified emendation.

l. subtribe **Stilpnina** Förster, 1869.

Stilpnoidae Förster, 1869: 144, 188. Type-genus: *Stilpnus* Gravenhorst.

Subfamily **CTENOPELMATINAE** Förster, 1869 [= Scolobatinae of Townes].

1. Tribe **Chrionotini** Uchida, 1957

Chrionotini Uchida, 1957. Type-genus: *Chrionota* Uchida, 1957.

Olethrodolini Townes, 1970. Type-genus: *Olethrodotis* Förster.

2. Tribe **Ctenopelmatini** Förster, 1869.

Ctenopelmoidae Förster, 1869: 145, 195. Type-genus: *Ctenopelma* Holmgren. Incorrectly formed stem.

Notopygina Schmiedeknecht, 1911: 2278. Type-genus: *Notopygus* Holmgren.

Ctenopelmatini Förster; Townes, 1944: 21. Justified emendation.

3. Tribe **Euryproctini** Thomson, 1883.

[Mesoleptoidae Förster, 1869: 145, 197. Type-genus: *Mesoleptus* Gravenhorst. Förster misidentified the type-genus, which belongs to the Stilpnina, by overlooking Curtis' (1837) earlier designation. This error was discovered by Viereck (1912b).]

Euryproctides Thomson, 1883: 907, 924. Type-genus: *Euryproctus* Holmgren.

Megacerini Szépligeti, 1908a: 322. Type-genus: *Megaceria* Szépligeti. Incorrectly formed stem.

Zemiophorinae Viereck, 1918: 70. Type-genus: (*Zemiophora* Förster) = *Synomelix* Förster.

4. Tribe **Mesoleiini** Thomson, 1883.

Mesoleiides Thomson, 1883: 907, 929. Type-genus: *Mesoleius* Holmgren.

5. Tribe **Olethrodolini** Townes, 1970.

Olethrodolini Townes, 1970b: 55, 65. Type-genus: *Olethrodotis* Förster.

6. Tribe **Perilissini** Thomson, 1883.

Perilissides Thomson, 1883: 906, 910. Type-genus: *Perilissus* Holmgren.

7. Tribe **Pionini** Smith & Shenefelt, 1955 (1883).

Catoglyptides Thomson, 1883: 907, 922. Type-genus: (*Catoglyptus* Holmgren) = *Pion* Schiødte.

[Pionini Townes, 1945: 483. Not available under Article 13 of the Code.]

Pionini Smith & Shenefelt, 1955: 188, 189. Type-genus: *Pion* Schiødte. Pionini is retained under Article 40 (a) and (b) of the Code and takes the date of Thomson's name.

7. Tribe **Scolobatini** Schmiedeknecht, 1911

Scolobatina Schmiedeknecht, 1911. Type-genus: *Scolobates* Gravenhorst.

8. Tribe **Seleucini** Vickberg, 2000

Seleucini Vickberg, 2000 (Vickberg & Koponen, 2000). Type-genus: *Seleucus* Holmgren.

9. Tribe **Westwoodini** Townes, 1970 [Gauld (1984); Zhaurova & Wharton (2009)]

Westwoodini Townes, 1970. Type-genus: *Westwoodia* Brullé.

Subfamily **CYLLOCERIINAE** Wahl, 1990 [part of Microleptinae of Townes; Wahl, 1990].

[Lampronotini Hellén, 1915: 17, 47. Type-genus: *Lampronota* Curtis. Hellén misidentified *Cylloceria* Schiødte as *Lampronota*.

Viereck had already pointed out the misidentification of *Lampronota* (Viereck, 1914); *Lampronota* is a junior synonym of *Lissonota*.]

Cylloceriinae Wahl, 1990: 50, 52. Type-genus: *Cylloceria* Schiødte.

Subfamily **DIACRITINAE** Townes, 1965 [part of Ephialtinae of Townes; Gauld, 1991].

Diacritini Townes (*in* Townes, Momoi & Townes, 1965: 550, 555). Type-genus: *Diacritus* Förster.

Subfamily **DIPLAZONTINAE** Viereck, 1918.

[Bassoidea Förster, 1869: 142, 162. Type-genus: *Bassus* Fabricius. Förster misidentified the type-genus (which is a braconid).

Viereck (1918) corrected this error.

Diplazoninae Viereck, 1918: 70. Type-genus: *Diplazon* Nees. Incorrectly formed stem.

Diplazontinae Viereck; Hopper, 1959: 163. Justified emendation.

Subfamily **EUCEROTINAE** Viereck, 1919 (1883) [part of Tryphoninae of Townes; Barron, 1976].

Eumesiides Thomson, 1883: 906. Type-genus: (*Eumesius* Westwood) = *Euceros* Gravenhorst.

Eucerinae Viereck, 1919: 48. Type-genus: *Euceros* Gravenhorst. Incorrectly formed stem.

Eucerini Seyrig, 1934: 18, 24. Type-genus: *Euceros* Gravenhorst. Incorrectly formed stem.

Eucerosini Townes, 1944: 20. Incorrectly formed stem. Unjustified emendation.

Euceratini Townes, 1945: 480. Incorrectly formed stem. Unjustified emendation.

Eucerotini Seyrig; Hopper, 1959: 163. Justified emendation. Fitton & Gauld (1976): "Names based on *Euceros* rather than *Eumesius* have been in general use since 1934 and Thomson's name is therefore not given priority (Article 40 (b) of the Code)."

Subfamily **HYBRIZONTINAE** Blanchard, 1845.

Hybrizonites Blanchard, 1845: 157. Type-genus: *Hybrizon* Fallén (Wharton & van Achterberg, 2000).

Pachylommatoidae Förster, 1862: 228. Type-genus: (*Pachylomma* Ratzeburg) = *Hybrizon* Fallén. *Pachylomma* is an unjustified emendation of *Paxylomma* de Brébisson.

Pachylommaninae Förster; Szépligeti, 1896: 310. Incorrectly formed stem based on unjustified emendation.

Paxylomminae Förster; Ashmead, 1900b: 114. Incorrectly formed stem.

Paxylommatinae Förster; Schmiedeknecht, 1907: 537. Corrected spelling -- Articles 32 (c) & 33 (b) of the Code.

Eupachylommidae Viereck, 1918: 71. Type-genus: *Eupachylomma* Ashmead.

Subfamily **ICHNEUMONINAE** Latreille, 1802.

1. **Alomyini** Förster, 1869 [incl. Heterischnini of Townes].

Alomyoidae Förster, 1869: 144, 194. Type-genus: *Alomya* Panzer.

Phaeogenoidae Förster, 1869: 144, 191. Type-genus: *Phaeogenes* Wesmael.

Dicaelotina Holmgren, 1889: 343. Type-genus: *Dicaelotus* Wesmael.

Diadromina Holmgren, 1889: 345. Type-genus: *Diadromus* Wesmael.

Epitomina Holmgren, 1889: 347. Type-genus: *Epitomus* Förster.

Gnathoxina Holmgren, 1889: 344. Type-genus: *Gnathoxys* Wesmael.

Herpestomina Holmgren, 1889: 344. Type-genus: *Herpestomus* Wesmael.

Oronotina Holmgren, 1889: 343. Type-genus: *Oronotus* Wesmael.

Stenodontina Schmiedeknecht, 1903: 262. Type-genus: *Stenodontus* Berthoumieu.

Heterischnini Townes (*in*: Townes, Townes & Gupta, 1961: 347, 458). Type-genus: *Heterischnus* Wesmael.

Chauviniina Diller, 1981: 95, 98. Type-genus: *Chauvinia* Heinrich.

Hemichneumonini Valemberg, 1983: 263. Type-genus: *Hemichneumon* Wesmael.

Dicaelodontina Diller, 1994: 126. Type-genus: *Dicaelodontus* Diller

2. **Ceratojoppini** Heinrich, 1938.

Ceratojoppini Heinrich, 1938: 25, 121. Type-genus: *Ceratojoppa* Cameron.

3. **Compsophorini** Heinrich, 1967.

[Compsophorina Heinrich, 1962: 688. Not available under Article 13 of the Code.]

Compsophorini Heinrich, 1967: 25. Type-genus: *Compsophorus* Saussure.

4. **Clypeodromini** Tereshkin, 1992.

Clypeodromini Tereshkin, 1992: 194. Type-genus: *Clypeodromas* Tereshkin.

5. **Ctenocalini** Heinrich, 1938.

Ctenocalini Heinrich, 1938: 25, 40-41. Type-genus: *Ctenocalus* Szepligeti.

6. **Eurylabini** Heinrich, 1934.

Eurylabini Heinrich, 1934: 64-67. Type-genus: *Eurylabus* Wesmael.

7. **Goedartiini** Townes, 1961.

Goedartiini Townes (*in*: Townes, Townes & Gupta, 1961: 399, 458). Type-genus: *Goedartia* Goie.

8. **Heresiarchini** Ashmead, 1900 [= Ichneumonini of Townes; includes Trogini of Heinrich (Sime & Wahl, 2002)].

[Trogidae Förster, 1869: 144, 188. Type-genus: *Trogus* Panzer. Trogini based on *Trogus* is a junior homonym of Trogidae MacLeay, 1819, based on the coleopterous genus *Trox* Fabricius. Although Förster cites *Trogus* Gravenhorst, Gravenhorst included the type species of *Trogus* Panzer in his treatment of the genus and had the same generic concept]

Heresiarchini Ashmead, 1900a: 567. Type-genus: *Heresiarches* Wesmael.

Protichneumonini Heinrich, 1934: 66, 84. Type-genus: *Protichneumon* Thomson.

Callajoppina Heinrich, 1962: 809-810. Type-genus: *Callajoppa* Cameron.

- Apatetorina Heinrich, 1967: 26, 50. Type-genus: *Apatetor* Saussure.
[Trogusina Carlson, 1979: 538. Illegal emendation. Article 55(b) of the Code.]
9. **Ichneumonini** Latreille, 1802 [= Joppini of Townes in part].
(The following are *incertae sedis* within the tribe, as the type genera were never formally assigned to a subtribe by Heinrich:
Joppinen Kriechbaumer, 1898: 2. Type-genus: *Joppa* Fabricius.
[Merolidini Brèthes, 1909: 49-50. Type-genus: *Merolides* Brèthes. The type and sole specimen of *Merolides arechavaletai*
Brèthes is lost; Townes (Townes & Townes, 1966; pers. comm.) placed it in Joppini, near *Limerodes*.] 98857
Tetragonochorini Heinrich, 1934: 64, 67. Type-genus: *Tetragonochora* Kriechbaumer. Townes (Townes & Townes, 1966)
placed this genus in Joppini.)
- a. **Aethioplitina** Heinrich, 1967.
Aethioplitina Heinrich, 1967: 27. Type-genus: *Aethioplites* Heinrich.
- [b. **Amblytelina** Viereck, 1918.]
[Amblytelinae Viereck, 1918: 74. Type-genus: *Amblyteles* Wesmael. Amblytelina based on *Amblyteles* is a junior homonym
of Amblytelides Sloane, 1898, based on the coleopterous genus *Amblytelus* Erichson (Carabidae).]
[Amblytelesina Carlson, 1979: 507. Illegal emendation. Article 55(b) of the Code.]
- c. **Gyrodontina** Schmiedeknecht, 1902.
Gyrodontini Schmiedeknecht, 1902: 9, 28. Type-genus: *Gyrodonta* Cameron.
Craticheumonina Heinrich, 1967: 27. Type-genus: *Craticheumon* Thomson.
- d. **Hoplismenina** Heinrich, 1967.
Hoplismenina Heinrich, 1967: 26. Type-genus: *Hoplismenus* Gravenhorst.
- e. **Ichneumonina** Latreille, 1802.
Ichneumonides Latreille, 1802: 318. Type-genus: *Ichneumon* Linnaeus.
[Pterocomminae Heinrich, 1949: 256. Not available under Article 13 of the Code.]
10. **Ischnojoppini** Heinrich, 1938.
Ischnojoppini Heinrich, 1938: 25, 117. Type-genus: *Ischnojoppa* Kriechbaumer.
11. **Joppocryptini** Viereck, 1918.
Joppocryptinae Viereck, 1918: 73. Type-genus: *Joppocryptus* Viereck.
Acanthojoppini Heinrich, 1934: 65, 67, 138. Type-genus: (*Acanthojoppa* Cameron) = *Eccoptosage* Kriechbaumer. Townes &
Townes (1966) placed this genus in the Joppini.
12. **Listrodromini** Förster, 1869.
Listrodromoidae Förster, 1869: 144, 194. Type-genus: *Listrodromus* Wesmael.
13. **Oedicephalini** Heinrich, 1934 [= Notosemini of Townes].
Oedicephalini Heinrich, 1934: 67, 118-119. Type-genus: *Oedicephalus* Cresson.
Notosemini Townes (*in*: Townes, Townes & Gupta, 1961: 338, 459). Type-genus: *Notosemus* Förster.
14. **Platylabini** Berthoumieu, 1904 [= Pristicerotini of Townes].
Platylabini Berthoumieu, 1904: 4. Type-genus: *Platylabus* Wesmael.
[Pristiceratini Townes & Townes, 1951: 280. Not available under Article 13 of the Code. Incorrect spelling.]
Pristicerotini Townes (*in*: Townes, Townes & Gupta, 1961: 393, 458). Type-genus: *Pristicerus* Gravenhorst.
15. **Zimmeriini** Heinrich, 1934.
[Zimmerini Heinrich, 1934: 67. Type-genus: (*Zimmeria* Heinrich) = *Cotitheresiarches* Telenga. Incorrectly formed stem.]
Zimmeriini Heinrich; Rasnitsyn & Siitan, 1981: 510. Justified emendation.

- Subfamily **LABENINAE** Ashmead, 1900 [= Labiinae of Townes].
1. Tribe **Groteini** Viereck, 1923 [= Labiini of Townes; Gauld (1978)]
[Orthognathellinae Szépligeti, 1908a: 320. Type-genus: (*Orthognathella* Szépligeti) = *Labium* Brullé.]
Groteinae Viereck, 1923: 201. Type-genus: *Grotea* Cresson.
[Labiini Townes (*in*: Townes & Townes, 1960: 437, 537. Type-genus: *Labium* Brullé. Labiini based on *Labium* is a junior
homonym of Labiidae based on the dermapterous genus *Labia*.]
2. Tribe **Labenini** Ashmead, 1900a.
Labenini Ashmead, 1900a: 571. Type-genus: *Labena* Cresson.
3. Tribe **Poecilocryptini** Townes, 1960 [part of Brachycyrtini of Townes; Gauld, 1978].
Poecilocryptini Townes (*in*: Townes & Townes, 1960: 437, 541. Type-genus: *Poecilocryptus* Cameron.
4. Tribe **Xenothyriini** Wahl, 1996.
Xenothyriini Wahl, 1996: 156. Type-genus: *Xenothyris* Townes

- Subfamily **LYCORININAE** Cushman & Rohwer, 1920.
Lycorini Cushman & Rohwer, 1920: 388, 393. Type-genus: *Lycorina* Holmgren. Incorrectly formed stem.
Lycorinini Cushman & Rohwer; Clément, 1938: 507. Justified emendation.

Subfamily **MESOCHORINAE** Förster, 1869.

Mesochoroidae Förster, 1869: 143, 170. Type-genus: *Mesochorus* Gravenhorst.

Subfamily **METOPIINAE** Förster, 1869.

Metopioidea Förster, 1869: 142, 159. Type-genus: *Metopius* Panzer. Townes (1945) made a first-reviser choice between Metopioidea and Exochoidae.

Exochoidae Förster, 1869: 142, 161. Type-genus: *Exochus* Gravenhorst.

[Trachydermatoidea Förster, 1869: 142, 161. Invalid proposal based on *Trachyderma* Gravenhorst, junior homonym of *Trachyderma* Latreille.]

[Tylecomnini Ashmead, 1900: 63, 81. Invalid proposal based on *Tylecomnus* Holmgren (replacement name for *Trachyderma* Gravenhorst), junior object synonym of *Spudaeus* Gistel (the valid replacement name for *Trachyderma* Gravenhorst). Incorrect spelling.]

Tylecomnini Ashmead; Schmeideknecht, 1911: 2278. Corrected spelling -- Article 32 (c) & (d) of the *Code*.

Cariini Schmeideknecht, 1924: 112. Type-genus: *Carría* Schmeideknecht.

Laptonini Clément, 1938: 506. Type-genus: *Lapton* Nees.

Spudaeinae Constantineanu, 1961: 689. Type-genus: *Spudaeus* Gistel.

Subfamily **MICROLEPTINAE** Townes, 1958.

Microleptinae Townes, 1958: 221. Type-genus: *Microleptes* Townes.

Microcleptinae Townes; Walkley, 1967: 179. Unjustified emendation.

Subfamily **NEORHACODINAE** Hedicke, 1922 [part of Banchinae of Townes; Townes, 1971].

[Rhacodinae Ruschka, 1922: 138. Invalid proposal based on *Rhacodes* Ruschka, junior homonym of *Rhacodes* Koch.]

Neorhacodinae Hedicke, 1922: 427. Type-genus: *Neorhacodes* Hedicke.

Subfamily **NESOMESOCHORINAE** Ashmead, 1905 [part of Campopleginae of Townes; Townes, 1970].

Nesomesochorini Ashmead, 1905: 967. Type-genus: (*Nesomesochorus* Ashmead) = *Chriodes* Förster.

Neomesochorinae Ashmead; Szépligeti, 1911: 1, 2, 70. Incorrect subsequent spelling.

Mavandini Seyrig, 1935: 93. Type-genus: (*Mavandia* Seyrig) = *Chriodes* Förster. Incorrectly formed stem.

Nonnini Townes (*in*: Townes, Townes & Gupta, 1961: 488). Type-genus: *Nonnus* Cresson.

Subfamily **OPHIONINAE** Shuckard, 1840.

Ophionidae Shuckard, 1840: 186. Type-genus: *Ophion* Fabricius.

Hellwigioidea Förster, 1869: 141, 149. Type-genus: *Hellwigia* Gravenhorst.

Enicospilini Townes, 1971: 50, 62. Type-genus: *Enicospilus* Stephens.

Subfamily **ORTHOCENTRINAE** Förster, 1869 [incl. part of Microleptinae of Townes; Wahl, 1990]

Orthocentroides Förster, 1869: 142, 159. Type-genus: *Orthocentrus* Gravenhorst.

[Plectiscoidae Förster, 1869: 143, 170. Type-genus: *Plectiscus* Gravenhorst *sensu* Förster. Viereck (1918) proposed *Plectiscidea* for *Plectiscus* of Förster and authors.]

Helictinae Gupta, 1987: 677. Type-genus: *Helictes* Haliday.

Subfamily **ORTHOPELMATINAE** Schmeideknecht, 1910.

Orthopelmina Schmeideknecht, 1910: 2052. Type-genus: *Orthopelma* Taschenberg. Incorrectly formed stem.

Orthopelmatinae Schmeideknecht; Townes & Townes, 1951: 341. Justified emendation.

Subfamily **OXYTORINAE** Thomson, 1883 [part of Microleptinae of Townes; Wahl, 1990].

Oxytorides Thomson, 1883: 906, 910. Type-genus: *Oxytorus* Förster.

[Callidiotini Townes, 1944: 21. Not available under Article 13 of the *Code*.]

Callidiotini Smith & Shenefelt. 1955: 187, 189. Type-genus: (*Callidiotes* Förster) = *Oxytorus* Förster.

Subfamily **PEDUNCULINAE** Porter, 1998.

Pedunculinae Porter, 1998: 53. Type-genus: *Pedunculus* Townes.

Subfamily **PHRUDINAE** Townes & Townes, 1949 (1910).

Mengerseniina Schmiedeknecht, 1910: 2052. Type-genus: (*Mengerseniina* Schmiedeknecht) = *Phrudus* Förster.

Phrudini Townes & Townes, 1949: 323, 324. Type-genus: *Phrudus* Förster. Phrudini is retained under provisions of Article 40 (a) and (b) of the *Code* and takes the date of Schmiedeknecht's name.

Subfamily **PIMPLINAE** Wesmael, 1845 [= Ephialtinae of Townes].

1. Tribe **Delomeristini** Hellén, 1915 [part of Therionini of Townes, 1969].

Delomeristini Hellén, 1915: 17, 48. Type-genus: *Delomerista* Förster.

Perithoini Wahl & Gauld, 1998: 280, 282. Type-genus: *Perithous* Holmgren.

2. Tribe **Ephialtini** Hellén, 1915 [= Pimplini of Townes (1969) and Polysphinctini; Wahl & Gauld, 1998].

[Pimplidae Shuckard, 1840: 146. Type-genus: *Pimpla* Fabricius *sensu* Curtis, 1828. This became a misidentification on publication of Opinion 159 (International Commission on Zoological Nomenclature, 1945)]

Ephialtini Hellén, 1915: 16, 21. Type-genus: *Ephialtes* Schrank *sensu* Gravenhorst. This became a correct identification on publication of Opinion 159 (International Commission on Zoological Nomenclature, 1945).

Epiurini Hellén, 1915: 17, 35. Type-genus: (*Epiurus* Förster) = *Scambus* Hartig.

Polysphinctini Hellén, 1915: 16, 43. Type-genus: *Polysphincta* Gravenhorst.

Schizopygides Hellén, 1915: 10, 51. Type-genus: *Schizopyga* Gravenhorst.

[Ichneumoninae Latreille; Cushman & Rohwer, 1920: 379. Type-genus: *Ichneumon* Linnaeus with type-species *I. manifestor* L. by subsequent designation of Latreille (1810: 436). This became a misidentification on publication of Opinion 159 (International Commission on Zoological Nomenclature, 1945).]

[Clistopygina Hellén, 1940: 11. Not available under Article 13 of the *Code*.]

Clistopygini Benoit, 1956: 133. Type-genus: *Clistopyga* Gravenhorst.

[Scambini Constantineanu & Ciochia, 1967. Not available under article 13 of the *Code*.]

3. Tribe **Pimplini** Wesmael, 1845 [= Ephialtini and part of Theroniini of Townes; Gauld, 1991].

Pimplae Wesmael, 1845: 6. Type-genus: *Pimpla* Fabricius *sensu* Gravenhorst. This became a correct identification on publication of Opinion 159 (International Commission on Zoological Nomenclature, 1945).

Pimploinae Szépliget, 1908b: 74, 94. Incorrectly formed stem; unjustified emendation.

Echthromorphides Morley, 1913: 33. Type-genus: *Echthromorpha* Holmgren.

[Ephialtini Cushman & Rohwer, 1920. Type-genus: *Ephialtes* Schrank. Cushman & Rohwer (1919) misidentified *Ephialtes* as a synonym of *Pimpla sensu* Opinion 159 (International Commission on Zoological Nomenclature, 1945) (Roman, 1932).

The name is a junior homonym of Ephialtini Hellén, 1915.]

Theroniini Cushman & Rohwer, 1920: 389, 394. Type-genus: *Theronia* Holmgren.

[Apechtiina Hellén, 1940: 10. Invalid proposal based on *Apechthis* Thomson, an unjustified emendation of *Apechthis* Förster.]

Subfamily **POEMENIINAE** Narayanan & Lal, 1953 (1935) [part of Ephialtinae of Townes; Gauld, 1991].

1. Tribe **Poemeniini** Narayanan & Lal, 1953 (1935).

Calliclisini Seyrig, 1935: 5. Type-genus: (*Calliclisis* Förster) = *Poemenia* Holmgren.

Neoxoridini Clément, 1938: 506, 515. Type-genus: *Neoxorides* Clément.

[Eugaltini Townes, 1944: 18. Not available under Article 13 of the *Code*.]

[Poemeniini Townes & Townes, 1951: 198. Not available under Article 13 of the *Code*. Incorrect spelling.]

Poemeniini Narayanan & Kundan Lal, 1953: 324. Type-genus: *Poemenia* Holmgren. Using the argument of Fitton & Gauld (1976), Poemeniinae was proposed because of synonymy of *Calliclisis* with *Poemenia* and became generally accepted, and under sections (a) and (b) of Article 40 of the *Code* takes the date of Seyrig's name.

2. Tribe **Pseudorhyssini** Wahl & Gauld, 1998.
Pseudorhyssini Wahl & Gauld, 1998: 284. Type-genus: *Pseudorhyssa* Merrill.
3. Tribe **Rodrigamini** Wahl & Gauld, 1998.
Rodrigamini Wahl & Gauld, 1998: 284. Type-genus: *Rodrigama* Gauld.

Subfamily **RHYSSINAE** Morley, 1913 [part of Ephialtinae of Townes; Gauld, 1991].
Rhyssides Morley, 1913: 3. Type-genus: *Rhyssa* Gravenhorst.

Subfamily **STILBOPINAE** Townes & Townes, 1949 [part of Banchinae of Townes].
[Pantelina Hellén, 1940: 12. Not available under Article 13 of the Code.]
Stilbopini Townes & Townes, 1949: 323. Type-genus: *Stilbops* Förster.

Subfamily **SISYROLISTINAE**

Sisyrostolini Seyrig, 1932: 21, 109. Type-genus: (*Sisyrostolus* Kriechbaumer) = *Melandolius* Saussure.
Brachyscleromatinae Townes (*in*: Townes, Townes & Gupta, 1961: 422, 451). Type-genus: *Brachyscleroma* Cushman.

Subfamily **TATOGASTRINAE** Wahl, 1990 [part of Microleptinae of Townes; Wahl, 1990].
Tatogastrinae Wahl, 1990. Type-genus: *Tatogaster* Townes.

Subfamily **TERSILOCHINAE** Schmiedeknecht, 1910.

[Porizonoidae Förster, 1869. Type-genus: *Porizon* Fallén *sensu* Gravenhorst. *Porizon* was misinterpreted by Gravenhorst and subsequent authors as a tersilochine. The type-species (by monotypy) of *Porizon* Fallén was "*Ophion moderator* Fabricius", a misidentification by Fallén of the tersilochine *Probles rufipes* (Holmgren) (Horstmann, 1970). The valid type-species for *Porizon* Fallén is *Ichneumon moderator* Linnaeus, a campoplegine (Horstmann, 1970, 1971; Carlson, 1979). This case needs to be submitted to the ICZN for clarification (Article 35.4.1 of the Code (2000)).
Thersilochina Schmiedeknecht, 1910: 2052. Valid proposal based on *Thersilochus* Holmgren, an unjustified emendation of *Tersilochus* Holmgren (Article 35.4.1 of the Code (2000)).

Subfamily **TRYPHONINAE** Shuckard, 1840.

1. Tribe **Ankylophonini** Gauld, 1984
Ankylophonini Gauld, 1984. Type-genus: *Ankylophon* Gauld.
2. Tribe **Eclytini** Townes & Townes, 1945.
Eclytini Townes & Townes, 1945: 41, 42. Type-genus: *Eclytus* Holmgren.
3. Tribe **Exenterini** Förster, 1869 [= Cteniscini of Townes].
Exenteroidae Förster, 1869: 144, 194. Type-genus: *Exenterus* Hartig.
Cteniscina Woldstedt, 1877: 32. Type-genus: *Cteniscus* Haliday.
4. Tribe **Idiogrammatini** Cushman, 1942 (1895).
Lysiognathinae Ashmead, 1895: 277. Type-genus: (*Lysiognathus* Ashmead) = *Idiogramma* Förster.
Idiogrammatinae Cushman, 1942: 54. Type-genus: *Idiogramma* Förster. Idiogrammatini is retained under Article 40 (a) and (b) of the Code and takes the date of Ashmead's name.
5. Tribe **Oedemopsini** Woldstedt, 1877 [part of Eclytini of Townes].
Oedemopsina Woldstedt, 1877: 37. Type-genus: *Oedemopsis* Tschek
[Thymarides Thomson, 1883: 906. Type-genus: *Thymarus* Thomson. Invalid proposal based on an unjustified emendation of *Thymaris* Förster.]
Thymaridina Thomson; Schmiedeknecht, 1911: 2278. Corrected spelling -- Article 32 (c) & (d) of the Code.
6. Tribe **Phytodietini** Hellén, 1915.
[Paniscini Ashmead, 1900: 582. Type-genus: *Paniscus* Schrank. Ashmead misidentified the type-genus, which is a synonym of *Ophion* Fabricius.]
Phytodiaetini Hellén, 1915: 17, 49. Valid proposal based on *Phytodiaetus* Agassiz, a junior homonym and unjustified

- emendation of *Phytodietus* Gravenhorst (Article 35.4.1 of the *Code* (2000)).
 Neteliini Townes, 1938: 168, 169, 174. Type-genus: *Netelia* Gray.
7. Tribe **Sphinctini** Förster, 1869.
 Sphinctoidea Förster, 1869: 143, 170. Type-genus: *Sphinctus* Gravenhorst.
8. Tribe **Tryphonini** Shuckard, 1840.
 Tryphonidae Shuckard, 1840: 186. Type-genus: *Tryphon* Fallén.
 Polyblastina Schmiedeknecht, 1911: 2278. Type-genus: *Polyblastus* Hartig.
 [Monoblastina Seyrig, 1935: 11, 12. Not available under Article 13 of the *Code*.]
 Iborniini Seyrig, 1935: 32. Type-genus: *Ibornia* Seyrig.
 [Grypocentrina Hellén, 1940: 18. Not available under Article 13 of the *Code*.]
 [Boethini Townes, 1944: 18. Not available under Article 13 of the *Code*.]
 Boethini Townes & Townes, 1949: 323, 324. Type-genus: *Boethus* Förster.
 Grypocentrini Townes & Townes, 1949: 323, 324. Type-genus: *Grypocentrus* Ruthe.

- Subfamily **XORIDINAE** Shuckard, 1840.
 Xorididae Shuckard, 1840: 186. Type-genus: *Xorides* Latreille.
 Xylonomides Hellén, 1915: 10, 11. Type-genus: (*Xylonomus* Gravenhorst) = *Xorides* Latreille.
 [Odontomerini Cushman & Rohwer, 1920: 391, 396. Invalid proposal based on *Odontomerus* Gravenhorst, junior homonym of
Odontomerus Leach.]
 [Ischnocerini Clément, 1938. Not available under Article 13 of the *Code*.]
 [Odontocolini Šedivý, 1958: 97. Not available under Article 13 of the *Code*.]

REFERENCES

- Ashmead, W.H. 1895. *Lysiognatha*, a new and remarkable genus in the Ichneumonidae. *Proceedings of the Entomological Society of Washington* 3: 275-278.
- Ashmead, W.H. 1900a. Order Hymenoptera. In: Smith, J.B. *Insects of New Jersey*. MacCrellish & Quigley: Trenton, New Jersey. 755 pp.
- Ashmead, W.H. 1900b. Classification of the Ichneumon flies, or the superfamily Ichneumonoidea. *Proceedings of the United States National Museum* 23: 1-220.
- Ashmead, W.H. 1905. Additions to the recorded Hymenopterous fauna of the Philippine Islands, with descriptions of new species. *Proceedings of the United States National Museum* 28: 957-971.
- Barron, J.R. 1976. Systematics of Nearctic *Euceros* (Hymenoptera: Ichneumonidae: Eucerotinae). *Naturaliste Canadien* 103: 285-375.
- Beirne, B.P. 1941. A consideration of the cephalic structures and spiracles of the final instar larvae of the Ichneumonidae (Hym.). *Transactions of the Society for British Entomology* 7(5): 123-190.
- Benoit, P.L.G. 1956. Ichneumonidae nouveaux ou intéressants de l'Afrique du Sud. *Annals of the South African Museum*: 43: 123-135.
- Berthomieu, V. 1904. Fam. Ichneumonidae, subfam. Ichneumoninae. *Genera Insectorum*, 18, 1-87.
- Blanchard, E. 1845. *Histoire des insectes traitant de leurs mœurs et de leur métamorphoses en général et comprenant une nouvelle classification fondée sur leurs rapports naturels*. 1. Didot: Paris. 398 pp.
- Blanchard, E. 1851. *Catalogue de la Collection Entomologique. Classe des Insectes, Ordre des Coléoptères*, 1. Muséum d'Histoire Naturelle de Paris: Paris. 240 pp.
- Bradley, J.C. 1919. The synonymy and types of certain genera of Hymenoptera, especially those discussed by the Rev. F. D. Morice and Mr Jno. Hartley Durrant in connection with the long-forgotten "Erlangen List" of Panzer and Jurine. *Transactions of the Entomological Society of London* 1919: 50-75.
- Brèthes, J. 1909. Himenópteros nuevos de las Repùblicas del Plata y del Brasil. *Anales del Museo nacional de historia natural de Buenos Aires* 19: 49-69.
- Cameron, P. 1906. On some new genera and species of Indian Ichneumonidae. *Entomologist* 39: 249-252.

- Carlson, R.W. 1979. Family Ichneumonidae. In: Krombein, K.V., Hurd, P.D., Smith, D.R., and Burks, B.D. (eds.). *Catalog of Hymenoptera of America North of Mexico. Vol. 1.* Smithsonian Institution Press: Washington, D.C. 1198 pp.
- Clément, E. 1938. Opuscula Hymenopterologica. 6. Die palaäarktischen Arten der Pimplintribus Ischnocerini, Odontomerini, Neoxoridini und Xylomini (Xoridini Schm.). *Festschrift zum 60. Geburtstag von Professor Dr. Embrik Strand* 4: 502-569.
- Constantineanu, M.I. 1961. Vorschlag für eine neue Einteilung der Ichneumoniden in Unterfamilien (Hymenoptera: Ichneumonidae). *Beiträge zur Entomologie*, 11: 685-732.
- Constantineanu, M.I. & V. Ciochia. 1968. Ichneumonide din depresiunea țara bîrsei și împrejurimi. *Muzeul Regional Braşov. Culegere de Studii și Cercetări* 1: 33-52.
- Constantineanu, M.I. & R.M. Constantineanu. 1968. Ord. Hymenoptera (Fam. Ichneumonidae). In: L'Entomofaune de l'Île de Letea (Delta du Danube). *Travaux du Muséum d'Histoire Naturelle "Grigore Antipa"* 9: 150-183.
- Curtis, J. 1828. *British Entomology; being illustrations and descriptions of the genera of insects found in Great Britain and Ireland. Vol. 5.* London.
- Curtis, J. 1837. *British Entomology; being illustrations and descriptions of the genera of insects found in Great Britain and Ireland. Vol. 14.* London.
- Cushman, R.A. 1919. Descriptions of New North American Ichneumon-flies. *Proceedings of the United States National Museum* 55: 517-543.
- Cushman, R. A. 1922. New species of Ichneumon-flies with taxonomic notes. *Proceedings of the United States National Museum* 60: 1-28.
- Cushman, R.A. 1924. On the systematic position of the genera *Collyria* Schiødte and *Ischnocerus* Gravenhorst (Hym.). *Proceedings of the Entomological Society of Washington* 26: 229-231.
- Cushman, R.A. 1942. The synonymy of *Idiogramma* Foerster (Hymenoptera: Ichneumonidae). *Proceedings of the Entomological Society of Washington* 44: 54.
- Cushman, R.A. & S.A Rohwer. 1919. The genus *Ephialtes* first proposed by Schrank (Hym.). *Proceedings of the Entomological Society of Washington* 20 (1918): 186-188.
- Cushman, R.A. & S.A. Rohwer. 1920. The Holarctic tribes of Ichneumon-flies of the subfamily Ichneumoninae Pimplinae. *Proceedings of the United States National Museum* 57: 379-396.
- Diller, E. 1981. Bemerkungen zur Systematik der Phaeogenini mit einem vorläufigen Katalog der Gattungen (Hymenoptera, Ichneumonidae). *Entomofauna* 2: 93-111.
- Diller, E. 1994. Beschreibungen einer neuen Subtribus, neuer Gattungen und Arten der Tribus Phaeogenini (Insecta: Hymenoptera: Ichneumonidae: Phaeogenini). *Annalen des Naturhistorischen Museums in Wien* 96B: 125-136.
- Enderlein, G. 1912. Beiträge zur Kenntnis aussereuropäischer Ichneumoniden. II. Ophioninae. Der Gattung *Thyreodon* und ihre Verwandten. *Zoologischer Anzeiger* 39: 624-632.
- Fabricius, J.C. 1804. *Systema Piezatorum: secundum ordines, genera, species, adjectis synonymis, Jocis, observationibus, descriptionibus.* Carolum Reichard: Brunsvigae. 493+32 pp.
- Fitton, M.G. & I.D. Gauld. 1976 The family-group names of the Ichneumonidae excluding Ichneumoninae (Hymenoptera). *Systematic Entomology*. 1: 247-258.
- Fitton, M.G. & I.D. Gauld. 1978. Further notes on family-group names of the Ichneumonidae (excluding Ichneumoninae) (Hymenoptera). *Systematic Entomology* 3: 245-247.
- Förster, A. 1862. Synopsis der Familien und Gattungen der Braconen. *Verhandlungen des Naturhistorischen Vereines preussischen Rheinlande und Westphalens* 19: 225-228.
- Förster, A. 1869. Synopsis der Familien und Gattungen der Ichneumoniden. *Verhandlungen des Naturhistorischen Vereines der Preussischen Rheinlande und Westfalens* 25: 135-221.
- Gauld, I.D. 1976. The classification of the Anomaloninae (Hymenoptera: Ichneumonidae). *Bulletin of the British Museum (Natural History) Entomology* 33: 1-135.
- Gauld, I.D. 1984. *An introduction to the Ichneumonidae of Australia.* British Museum (Natural History): London. 413 pp.

- Gauld, I. 1991. The Ichneumonidae of Costa Rica, 1. *Memoirs of the American Entomological Institute* 47: 1-589.
- Gauld, I.D. & D.B. Wahl. 2000. The Townesioninae: a distinct subfamily of Ichneumonidae (Hymenoptera) or a Clade of the Banchinae? *Transactions of the American Entomological Society* 126: 279-292.
- Gupta, V. K. 1974. The subfamily name Campopleginae versus Porizontinae (Hymenoptera: Ichneumonidae). *Entomologist's Gazette* 25: 224-226.
- Gupta, V.K. 1987. The Ichneumonidae of the Indo-Australian Area (Hymenoptera). *Memoirs of the American Entomological Institute* 41: 1-1210.
- Haliday, A.H. 1838. Essay on the classification of Parasitic Hymenoptera. *Entomological Magazine* 5: 209-248.
- Hedicke, H. 1922. Nomina nova. *Deutsche Entomologische Zeitschrift* 1922: 426-428.
- Heinrich, G. 1934. Die Ichneumoninae von Celebes: bearbeitet auf Grund der Ausbeute der Celebes-expedition G. Heinrich 1930-1932. *Mitteilungen aus dem Zoologischen Museum in Berlin* 20: 1-263.
- Heinrich, G. 1938. Les Ichneumonides de Madagascar. III. Ichneumonidae Ichneumoninae. *Mémoires de l'Académie Malgache* 25: 1-138.
- Heinrich, G. 1949. (Hym. Ichneum.) Die Pterocorrminae der Hahnheide. *Bombus* 60: 257-258.
- Heinrich, G. 1962. Synopsis of Nearctic Ichneumoninae Stenopneusticae with particular reference to the northeastern region (Hymenoptera). VI. *Canadian Entomologist Supplement* 27: 677-802.
- Heinrich, G. 1967. *Synopsis and reclassification of the Ichneumoninae Stenopneusticae of Africa south of the Sahara (Hymenoptera)*. 1. Farmington State College Press: Maine. 250 pp.
- Hellén, W. 1915. Beiträge zur Kenntnis der Ichneumoniden Finlands. I. Subfamilie Pimplinae. *Acta Societatis pro Fauna et Flora Fennica* 40: 1-89.
- Hellén, W. 1940. *Enumeratio Insectorum Fenniae II. Hymenoptera. 2. Terebrantia*. O.Y.F. Tilgman:Helsinki. 32 pp.
- Hellén, W. 1950. Zur Kenntnis der Ophioninen Gattungen *Barylypa* Foerster, *Labrorychus* Foerster und *Agrypon* Foerster. *Notulae Entomologicae* 30: 31-38.
- Holmgren, A.E. 1889. Ichneumonides pneustici. *Ichneumonologia Suecica* 3: 343-466.
- Hopper, H.P. 1959. The pronunciation and derivation of the names of the genera and subgenera of the family Ichneumonidae found in North America north of Mexico. *Proceedings of the Entomological Society of Washington* 61: 155-171.
- Horstmann, K. 1970. Bemerkungen zur Systematik einiger Gattungen der Campopleginae (Hymenoptera, Ichneumonidae). *Nachrichtenblatt der Bayerischen Entomologen* 19: 77-84.
- Horstmann, K. 1971. Revision der europäischen Tersiloochinen (Hymenoptera, Ichneumonidae). *Veröffentlichungen der Zoologischen Staatssammlung (München)* 15: 45-138.
- Horstmann, K. 1992. Revision einiger Gattungen und Arten der Phygadeuontini. *Mitteilungen Münchener Entomologischen Gesellschaft* 82: 21-33.
- International Commission on Zoological Nomenclature. 1945. Opinion 159. On the status of the names *Ephialtes* Schrank, 1802, *Ichneumon* Linnaeus, 1758, *Pimpla* Fabricius (1804-1805), and *Ephialtes* Gravenhorst, 1829 (Class Insecta, Order Hymenoptera). *Opinions and declarations of rendered by the International Commission of Zoological Nomenclature* 2: 275-290.
- International Commission on Zoological Nomenclature. 1994. Opinion 1757. *Cryptus* Fabricius, 1804 and *Cryptinae* Kirby, 1837 (Insecta, Hymenoptera) conserved. *Bulletin of Zoological Nomenclature* 51: 74-75.
- Kasparyan, D.R. 1988. [A new subfamily and two new genera of ichneumonids (Hymenoptera, Ichneumonidae) from Baltic Amber.] (in Russian) *Proceedings of the Zoological Institute, Leningrad* 175: 38-43.
- Kasparyan, D.R. 1988. [New taxa of fam. Paxylomatidae (Hymenoptera, Ichneumonoidea) from the Baltic Amber.] (in Russian). *Trudy Vsesoyuznogo Entomologicheskogo Obshchestva* 70: 125-131.
- Kasparyan, D.R. 1993. Townesioninae, a new ichneumonid subfamily from the Eastern Palaearctic (Hymenoptera: Ichneumonidae). *Zoosystematica Rossica* 2: 155-159.

- Kasparyan, D.R. 1994. [Review of Ichneumon flies of the Townesitinae subfam. Nov. (Hymenoptera, Ichneumonidae) from the Baltic Ambers.] (in Russian). *Paleontologicheskii Zhurnal* 4: 86-96.
- Kirby, W. 1837. The Insects 4. In: Richardson, J. *Fauna Boreali-Americana; or the Zoology of the Northern Parts of British America*. Josiah Fletcher: Norwich. 325 pp.
- Kriechbaumer, J. 1898. Beitrag zu einer Monographie der Joppinen, einer Unterfamilie der Ichneumoniden. *Berliner entomologische Zeitschrift* 43: 1-166.
- Latreille, P.A. 1802. *Histoire naturelle, générale et particulière des Crustacés et des Insectes. Tome troisième*. F. Dufart: Paris. 468 pp.
- Latreille, P.A. 1810. *Considérations générales sur l'ordre naturel des animaux composant les classes des Crustacés, des Arachnides et des Insectes, avec une tableau methodique de lers genres, disposes en familles*. Paris. 444 pp.
- MacLeay, W.S. 1819. *Horae entomologicae: or essays on the annulose animal. Volume 1, parts 1 and 2*. London. 524 pp. 83467
- Meyer, N.F. 1932. Tribus Megacremastini nov. (Ichneumonidae Ophioninae). *Konowia* 11: 31-32.
- Morley, C. 1913. *A Revision of the Ichneumonidae based on the collection in the British Museum (Natural History) with descriptions of new genera and species. Part II. Tribes Rhyssides, Echthromorphides, Anomalides and Paniscides*. British Museum: London. 140 pp.
- Narayanan, E.S. & Kundan Lal. 1953. Studies on Indian Ichneumonidae (Hymenoptera). Part I. Subfamily Pimplinae: tribes Polysphinctini & Theroniini. *Indian Journal of Entomology* 15: 319-326.
- Narayanan, E.S. & Kundan Lal. 1958. Studies on Indian Ichneumonidae (Hymenoptera). Subfamily: Gelinae, I. Tribes Gelini and Echthrini. *Proceedings of the Indian Academy of Sciences* 47: 15-30.
- Porter, C. 1998. Guía de los generos de Ichneumonidae en la region Neantártica del sur de Sudamérica. *Opera Lilloana* 42: 1-234.
- Rasnitsyn, A.P. & U.V. Siitan. 1981. Ichneumoninae [in Russian]. In: Kasparyan, D.R. (ed.), [A guide to the identification of insects of the European part of the USSR. Vol. 3. Hymenoptera]. *Opreedeliteli faune SSSR, no. 129*. Nauka Press: Moscow. 688 pp.
- Roman, A. 1932. The Linnean types of *Ichneumon* flies. *Entomologisk Tidskrift* 53: 1-16.
- Ruschka, F. 1922. Eine neue merkwürdige Braconidengattung. In: Enslin, E. "Beiträge zur Biologie der Hymenoptera I" *Archiv für Naturgeschichte (A)*88(5): 138-139.
- Schmiedeknecht, O. 1902. *Opuscula Ichneumonologica, I. Ichneumoninae. (Fasc. I)*. Pp. 1-80. Blankenburg.
- Schmiedeknecht, O. 1903. *Opuscula Ichneumonologica, I. Ichneumoninae. (Fasc. IV)*. Pp. 241-320. Blankenburg.
- Schmiedeknecht, O. 1907. *Hymenopteren Mitteleuropas*. Gustav Fischer: Jena. 804 pp.
- Schmiedeknecht, O. 1908. Hymenoptera. Fam. Ichneumonidae. Subfamilie Cryptinae. *Genera Insectorum* 34: 1-165.
- Schmiedeknecht, O. 1910. *Opuscula Ichneumonologica, IV. Ophioninae. (Fasc. XXVI)*. Pp. 2001-2080. Blankenburg.
- Schmiedeknecht, O. 1911. *Opuscula Ichneumonologica, V. Tryphoninae. (Fasc. XXIX)*. Pp. 2241-2271. Blankenburg.
- Schmiedeknecht, O. 1912. *Opuscula Ichneumonologica, V. Tryphoninae. (Fasc. XXXII)*. Pp. 2483-2562. Blankenburg.
- Schmiedeknecht, O. 1924. A short summary of the Section Tryphonides Prosopi (Ichneumonidae). *Entomologist's Monthly Magazine* 60: 103-112.
- Šedivý, J. 1958. Faunistische und taxonomische Bemerkungen zu den Ichneumoniden der Tschechoslowakei, Pimplinae, I. (Hymenoptera: Ichneumonidae, Pimplinae). *Acta Faunistica Entomologica Musei Nationalis Pragae* 3: 97-108.
- Seyrig, A. 1932. Les Ichneumonides de Madagascar. I. Ichneumonidae Pimplinae. *Mémoires de l'Academie Malgache* 11: 1-183.
- Seyrig, A. 1934. Les Ichneumonides de Madagascar. II. Ichneumonidae Tryphoninae et Supplement aux I. Pimplinae. *Mémoires de l'Academie Malgache* 19: 1-111.

- Seyrig, A. 1935. Mission scientifique de l'Omo. Tome III. Fascicule 18. Hymenoptera, II. Ichneumonidae: Cryptinae, Pimplinae, Tryphoninae et Ophioninae. *Mémoires du Muséum National d'Histoire Naturelle, Paris* 4: 1-100.
- Shuckard, W.E. 1840. In: Swainson, W. & Shuckard, W. *On the History and Natural Arrangement of Insects. Vol. 129 of the Cabinet Cyclopaedia of D. Lardner*. Longman: London. 406 pp.
- Sime, K.R. & D.B. Wahl. 2002. The cladistics and biology of the *Callajoppa* genus-group (Hymenoptera: Ichneumonidae, Ichneumoninae). *Zoological Journal of the Linnean Society* 134: 1-56.
- Smith, L.K. & R.O. Shenefelt. 1955. A guide to the subfamilies and tribes of the family Ichneumonidae (Hymenoptera) known to occur in Wisconsin. *Transactions of the Wisconsin Academy of Science, Arts and Letters* 44: 165-219.
- Szépligeti, G.V. 1896. Adatok a Magyar fauna Braconidainak ismeretehez. *Természetrázi Füzetek* 19: 285-321.
- Szépligeti, G.V. 1905. Hymenoptera. Ichneumonidae (Gruppe Ophionoidea), subfam. Pharsaliinae-Porizontinae. *Genera Insectorum* 34: 1-68.
- Szépligeti, G.V. 1908a. Hymenoptera, Braconidae & Ichneumonidae. In: Michaelson, W. & Hartmeyer, R. *Die Fauna Südwest-Australiens* (1)9: 317-324. G. Fischer: Jena.
- Szépligeti, G. 1908b. Hymenoptera: Braconidae & Ichneumonidae. In: Sjöstedt, Y. *Wissenschaftliche ergebnisse der Schwedischen Zoologischen Expedition nach dem Kilimandjaro, dem Meru und den Umgebenden Massaisteppen, Deutsch-Ostafrikas 1905-1906. 2.*
- Szépligeti, G. V. 1911. Fam. Ichneumonidae, Gruppe Mesochoroidae (Ophionidae part.), Subfam. Limnerinae, Mesochorinae, Adelognathinae, Plectiscinae, Banchinae, Nesomesochorinae, Megacerinae und Paniscinae. *Genera Insectorum* 114: 1-100.
- Tereshkin, A. 1992. A new tribe, a new genus and a new species of the Ichneumoninae Stenopneusticae from Europe and Siberia (Hymenoptera, Ichneumonidae). *Entomofauna* 10: 193-204.
- Thomson, C.G. 1883. XXXII. Bidrag till kännedom om Skandinaviens Tryphoner. *Opuscula Entomologica* 9: 843-936.
- Thomson, C.G. 1888. XXXVIII. Försök till gruppering af släktet *Plectiscus* (Grav.). *Opuscula Entomologica* 12: 1266-1318.
- Townes, H. 1938. The nearctic species of *Netelia* (*Paniscus* of Authors) and a revision of the genera of Neteliini (Hymenoptera. Ichneumonidae). *Lloydia* 1: 168-231.
- Townes, H. 1944. A catalogue and reclassification of the Nearctic Ichneumonidae. Part I. The subfamilies Ichneumoninae, Tryphoninae, Cryptinae, Phaeogeninae and Lissonotinae. *Memoirs of the American Entomological Society* 11: 1-477.
- Townes, H. 1945. A catalogue and reclassification of the Nearctic Ichneumonidae. Part II. The subfamilies Mesoleiinae, Plectiscinae, Orthocentrinae, Diplazonatinae, Metopiinae, Ophioninae, Mesochorinae. *Memoirs of the American Entomological Society* 11: 478-925.
- Townes, H.K. 1958. The application of the name *Plectiscus* (Hymenoptera, Ichneumonidae). *Proceedings of the Entomological Society of Washington* 60: 221.
- Townes, H. 1967. A new *Ateleute* from the United States. *Proceedings of the Entomological Society of Washington* 69: 181-182.
- Townes, H. 1969. The genera of Ichneumonidae, part 1. *Memoirs of the American Entomological Institute* 11: 1- 300.
- Townes, H. 1970a. The genera of Ichneumonidae, part 2. *Memoirs of the American Entomological Institute* 12: 1- 537.
- Townes, H. 1970b. The genera of Ichneumonidae, part 3. *Memoirs of the American Entomological Institute* 13: 1- 307.
- Townes, H. 1971. The genera of Ichneumonidae, part 4. *Memoirs of the American Entomological Institute* 17: 1- 372.
- Townes, H., S. Momoi. & M. Townes. 1965. A catalogue and reclassification of the Eastern Palearctic Ichneumonidae. *Memoirs of the American Entomological Institute* 5: 1-661.

- Townes, H. & M. Townes. 1945. A key to the genera of Eclytini (= Thymaridini) and a revision of the Neotropical species (Hymenoptera, Ichneumonidae). *Boletín de Entomología Venezolana* 4: 41-52.
- Townes, H. & M. Townes. 1949. A revision of the genera and of the American species of Tryphonini. *Annals of the Entomological Society of America* 42: 321-447.
- Townes H. & M. Townes. 1951. Ichneumonidae. In: Muesebeck, C.F.W, K.V. Krombein, & H. Townes (eds.). *Hymenoptera of America north of Mexico – Synoptic Catalog (Agricultural Monograph No. 2)*. United States Department of Agriculture: Washington, D.C. 1420 pp.
- Townes, H. & M. Townes. 1960. Ichneumon-flies of America North of Mexico: 2. Subfamilies Ephialtinae, Xoridinae, Acaenitinae. *United States National Museum Bulletin* 216(2): 1-676.
- Townes, H. & M. Townes. 1966. A catalogue and reclassification of Neotropic Ichneumonidae. *Memoirs of the American Entomological Institute* 8: 1-367.
- Townes, H., M. Townes. and V.K. Gupta. 1961. A catalogue and reclassification of Indo-Australian Ichneumonidae. *Memoirs of the American Entomological Institute* 1: 1-522.
- Valembert, J. 1983. Monographie des Ichneumoninae de France et regions limitrophes -- T.I. *Memoires 1983 de la Société Entomologique de Nord de la France*, 1-283.
- Viereck, H.L. 1912a. Contributions to our knowledge of Bees and Ichneumon-flies including the description of twenty-one new genera and fifty-seven new species of Ichneumon-flies. *Proceedings of the United States National Museum* 42: 613-648.
- Viereck, H.L. 1912b. Tryphoninae -- a review. *Proceedings of the Entomological Society of Washington* 14: 175-178.
- Viereck, H.L. 1912c. Description of one new family, eight new genera and thirty-three new species of Ichneumon-flies. *Proceedings of the United States National Museum* 43: 575-579.
- Viereck., H.L. 1914. The type-species of the genera of Ichneumon-flies. *Bulletin of the United States National Museum* 31: 1-186.
- Viereck, H.L. 1918. A list of families and subfamilies of ichneumon-flies, or the superfamily Ichneumonoidea (Hymenoptera). *Proceedings of the Biological Society of Washington* 31: 69-74.
- Viereck, H.L. 1919. Additions and corrections to "A list of families and subfamilies of Ichneumon-flies or the super family Ichneumonoidea (Hymenoptera)." *Proceedings of the Biological Society of Washington* 32: 48, 198.
- Viereck, H.L. 1923. Groteinae -- a new subfamily. *Proceedings of the Biological Society of Washington* 36: 201.
- Vikberg, V. & M. Koponen. 2000. On the taxonomy of *Seleucus* Holmgren and the European species of Phrudinae (Hymenoptera: Ichneumonidae). *Entomologica Fennica* 11: 195-228.
- Viktorov, G.A. 1968. The position of the tribe Therionini (Hymenoptera, Ichneumonidae) in the classification of the family and the composition of some of its genera. *Entomologicheskoye Obozreniye* 47: 905-911. [*Entomological Review* 47, 553-556]
- Wahl, D.B. 1990. A review of the mature larvae of Diplazontinae, with notes on larvae of Acaenitinae and Orthocentrinae and proposal of two new subfamilies (Insecta: Hymenoptera, Ichneumonidae). *Journal of Natural History* 24: 27-52.
- Wahl, D.B. 1996. Xenthothyryni, a new tribe of Labeninae, and a key to the tribes and genera of Labeninae (Hymenoptera: Ichneumonidae). *Proceedings of the Entomological Society of Washington* 98: 156-161.
- Wahl, D.B. & I.D. Gauld. 1998. The cladistics and higher classification of the Pimpliformes (Hymenoptera: Ichneumonidae). *Systematic Entomology* 23: 265-298.
- Walkley, L.M. 1958. Family Ichneumonidae. In: Krombein, K.V. (ed.). *Hymenoptera of America North of Mexico -- Synoptic Catalog (Agricultural Monograph No. 2): First Supplement*. United States Department of Agriculture: Washington, D.C. 305 pp.
- Walkley, L.M. 1967. Family Ichneumonidae. In: Krombein, K.V. & Burks, B.D. (eds.). *Hymenoptera of America North of Mexico -- Synoptic Catalog (Agricultural Monograph No. 2): Second Supplement*. United States Department of Agriculture: Washington, D.C. 584 pp.

- Wesmael, C. 1845. Tentamen dispositionis methodicae Ichneumonum Belgii. *Nouveaux Mémoires de l'Académie Royale des Sciences, des Lettres et Beaux-Arts de Belgique* 18: 1-238.
- Westwood, J.O. 1840. *An Introduction to the Modern Classification of Insects. Vol. II. Synopsis of the Genera of British Insects*. Longman, Orme, Brown, Green and Longmans: London. 587 pp.
- Wharton, R.A. & C. van Achterberg. 2000. Family group names in Braconidae (Hymenoptera: Ichneumonoidea). *Journal of Hymenoptera Research* 9: 254-270.
- Woldstedt, F.W. 1877. Beitrag zur Kenntniss der um St. Petersburg vorkommenden Ichneumoniden. *Mélanges Biologiques Tirés du Bulletin de l'Académie Impériale des Sciences de St.-Pétersbourg* 10: 1-41

Please cite this work as: *Genera Ichneumonorum Nearcticae*. 2014 (and updates). Version: 2014.09.24.
<http://www.amentinst.org/GIN/>.