

A catalogue of the genera of the Vespidae (Hymenoptera)

J. van der Vecht & James M. Carpenter¹

J. van der Vecht & James M. Carpenter. A catalogue of the genera of the Vespidae (Hymenoptera). Zool. Verh. Leiden 260, 15.x.1990: 1-62.— ISSN 0024-1652.

Key words: Vespidae; Euparagiinae; Masarinae; Masarini; Gayellini; Eumeninae; Stenogastrinae; Polistinae; Vespinae; taxonomy.

A comprehensive generic catalogue of the Vespidae is presented. New nomenclatural changes include synonymy of *Alastoroides* Saussure, 1856, with *Paralastor* Saussure 1856; *Araucodynerus* Willink, 1968, with *Hypodynerus* Saussure 1855; and *Paranortonia* Bequaert, 1940, with *Parazumia* Saussure, 1855. *Paravespa* Bell, 1936, non Radoszkowski, 1886, is a synonym of *Eustenogaster* van der Vecht, 1966.

J. van der Vecht, Burgemeester Vermeerlaan 4, 3881 GZ Putten, The Netherlands.

James M. Carpenter, Museum of Comparative Zoology, Harvard University, Cambridge, MA 02138, U.S.A.

Introduction

The generic nomenclature of the Vespidae is currently in a highly confused state. The reasons for this are twofold: historical and technical. Historically, Saussure (1852-1858) provided the only comprehensive world monograph of the group, and devised a generic system that has formed the framework for subsequent taxonomy to this day. Not until the first decade of this century was there any substantial alteration of Saussure's classification (fig. 1). At that time, Dalla Torre's (1904) catalogue included the proposal of 27 genus-group names, most of them unnecessary names for the nominotypical subgenera of subdivided genera. The great majority of these are not considered valid today (table 1). But in 1938, Blüthgen initiated a trend of splitting that has persisted to the present. As fig. 1 shows, relatively few genus-group names were proposed during the decade of World War II, but since then the number has generally risen to its highest levels. This trend is especially exemplified in the works of Giordani Soika, who as late as 1953 criticized Blüthgen's classification, but has since extended the trend (table 1). The negative effects of the resulting instability are many. For example, catalogues and keys are quickly made out of date, and this applies to all of the recent catalogues (viz., van der Vecht and Fischer, 1972; Krombein et al., 1979; Cardale, 1985; Carpenter, 1986) and identification keys (e.g., Richards, 1962, 1978; van der Vecht, 1977a; Giordani Soika, 1978; Carpenter and Cumming, 1985).

The confusion engendered by this flux is exacerbated by the fact that the classification is not phylogenetic. By far the majority of these names have been, and continue to be, described in the Eumeninae, the largest vespidae subfamily (see Carpenter, 1986). The trend of splitting has proceeded in this group almost entirely on a regional basis, resulting in a proliferation of small taxa whose relationships are largely uninvestigated. Many of the characters used to distinguish these taxa are quite trivial when variation on a worldwide level is examined. Cladistic analysis has documented that an artificial classification has resulted: Carpenter and Cumming (1985) were unable to discover any autapomorphy for eight of the 26 Nearctic genera of the group, and

¹ Correspondence to the junior author.

inferred paraphyly. In other subfamilies, paraphyletic taxa have been demonstrated in Vespinae (Carpenter, 1987), Polistinae (Carpenter, 1990a, Carpenter and Wenzel, 1990) and Masarinae (Carpenter, 1990b). Further, even where all of the genera are monophyletic, needless categorical proliferation has resulted from the description of monotypic taxa on questionable grounds (Stenogastrinae: Carpenter, 1988; Gayellini: Carpenter, 1989). Finally, the International Code of Zoological Nomenclature has not always been followed (see van der Vecht, 1966, 1971, 1977b; Carpenter, 1987; Carpenter and Day, 1988).

Table 1. Number of genus-group names proposed by each author, and number currently considered "valid".

Author	Dates	Generic names proposed	Number of names considered valid
Agassiz, L.	1846	2	0
André, E.	1884	1	1
Araujo, R. L.	1946	1	1
Archer, M. E.	1982	1	0
Ashmead, W. H.	1900-04	5	4
Atanassov, N.	1967	1	0
Bell, T. R.	1936	1	0
Bequaert, J.	1921-44	10	7
Bertoni, A. de W.	1921-34	6	0
Billberg, G. J.	1820	1	0
Bischoff, H.	1931	1	0
Blanchard, E.	1840	1	0
Blüthgen, P.	1938-61	55	36
Bohart, R. M.	1939-84	9	7
Börner, C.	1919	1	0
Bradley, J. C.	1922	3	0
Brauns, H.	1905	1	0
Brèthes, J.	1903-26	3	1
Brown, R. W.	1941	1	1?
Buysson, R. du	1913	1	1
Cameron, P.	1901-12	7	2
Carpenter, F. M.	1985	1	1
Carpenter, J. M. & M. C. Day	1988	1	1
Cheesman, L. E.	1952	1	0
Cockerell, T. D. A.	1906	1	1
Cresson, E. T.	1879	1	1
Cumming, J. M. & J. van der Vecht	1986	1	1
Dalla Torre, K. W. von	1894-1904	32	6
Ducke, A.	1904-14	9	5
Fabricius, J. C. F.	1793-1804	2	2
Ferton, C.	1909	1	1
Fox, W. J.	1898-99	2	2
Friese, H.	1904	1	1
Giordani Soika, A.	1934-89	84	71
Giordani Soika, A. & J. Kojima	1988	1	0
Gribodo, G.	1892	2	2
Guérin-Méneville, F. E.	1831-38	3	2
Gusenleitner, J.	1967-88	7	5
Ihering, H. von	1896	1	0

Ihering, R. von	1904	2	1
Illiger, K.	1807	2	0
Kirby, W. & Spence, W.	1815-28	3	1
Klug, F.	1805-10	2	1
Kokujev, N.	1912	1	0
Kostylev, G.	1935-40	4	0
Kriechbaumer, J.	1879	1	0
Kurzenko, N. V.	1977-88	6	5
Kuznetzov, N. N.	1923	1	0
Latreille, P. A.	1802-10	8	8
Lepelletier de St. F., A.	1836-41	6	5
Linnaeus, C.	1758	1	1
Magretti, P.	1884	2	2
Maidl, F.	1914	1	1
Meade-Waldo, G.	1910-14	4	3
Meunier, F. A.	1888	3	1 + 1?
Mitchell, T. L.	1838	1	1
Moczar, L.	1937	2	0
Möbius, A.	1856	1	1
Parker, F. D.	1965	1	1
Perkins, R. C. L.	1901-14	7	6
Perty, J. A. M.	1833	2	1
Radoszkowski, O.	1886	1	1
Rasnitsyn, A. P.	1975	1	1
Raw, A.	1985	1	1
Richards, O. W.	1941-78	30	15
Robertson, C.	1928	1	0
Rohwer, S. A.	1916	1	1
Saunders, S. S.	1850-72	2	2
Saussure, H. de	1852-75	82	49 + 1?
Schmiedeknecht, O.	1881	1	0
Schulthess, A. von	1903-29	8	4
Schulz, W. H.	1906-11	5	0
Shuckard, W. E.	1837-41	2	1
Snelling, R. R.	1975-86	2	1
Spinola, M.	1806-51	2	2
Stange, L. A.	1979	2	1
Sturm, J.	1829	1	0
Swainson, W. & Shuckard, W. E.	1840	1	0
Thomson, C. G.	1869-74	2	2
Timon-David, J.	1944	1	0
Turner, R. E.	1908	1	0
Vecht, J. van der	1937-81	23	18
Viereck, H. L.	1908	1	1
Wesmael, C.	1836	3	2
Westwood, J. O.	1840	1	0
Weyrauch, W.	1937-39	3	0
White, A.	1841	2	2
Willink, A.	1968	3	2
Yamane, Sk.	1987	1	1
Zavattari, E.	1906-12	6	3
Zirngiebl, L.	1953	1	0

These circumstances have made the study of vespidae taxonomy a daunting task. However, the present trend has been criticized (Bequaert, 1939; Parker, 1966; Carpenter and Cumming, 1985; Menke and Stange, 1986), and the junior author has begun the rationalization of vespidae classification based on cladistic analyses (Carpenter, 1987, 1988, 1989, 1990a&b). Clearly, considerable further reduction in the number of generic taxa will be necessary. Comprehensive studies will be greatly aided by a catalogue of the available names and their current status. Carpenter (1986) recently catalogued the eumenine genera, but the last world catalogue of genera for the whole family is now over 85 years old (Dalla Torre, 1904). That work was incomplete, and did not settle the status of many of the older names. We here provide the first comprehensive generic catalogue of the Vespidae.

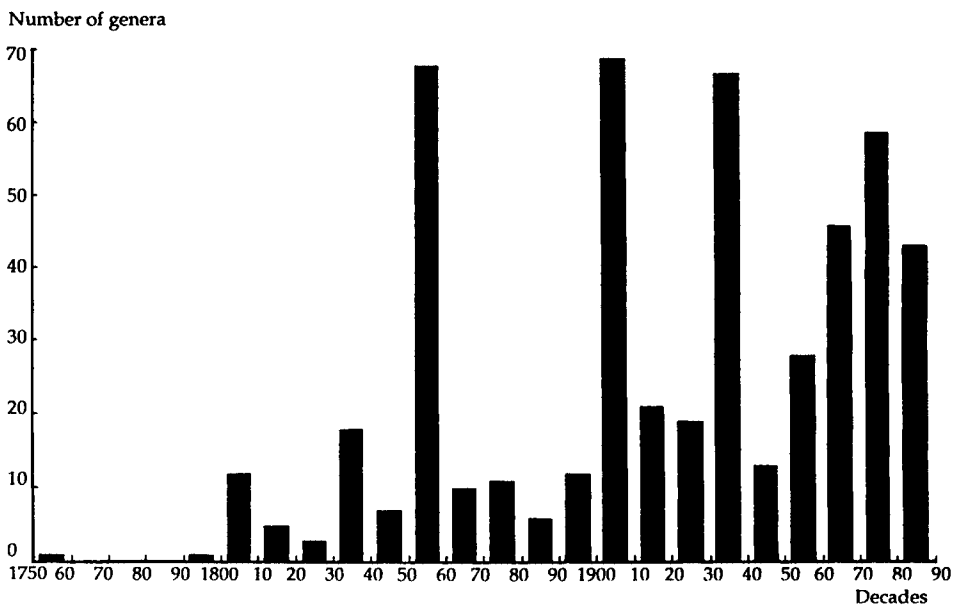


Fig. 1. Numbers of genus-group names proposed during each decade since 1758.

The catalogue includes all the genus-group names of Vespidae *sensu* Carpenter (1981) and Carpenter and Rasnitsyn (1990). It follows the most recent Code (1985), and incorporates the decisions pertaining to Vespidae rendered by the International Commission on Zoological Nomenclature (ICZN) in Opinions 747 (1965), 893 (1970), 1051 (1976) and 1363 (1985). The arrangement is alphabetical. Each name is accompanied by the original citation. Where two dates are listed, the first is the true date of publication, whereas the date listed in parentheses is that printed on the paper. The subfamily, zoogeographical regions in which the taxon occurs and gender of the name are then listed. The abbreviations used for zoogeographical region are: A= Australian (including New Guinea), E= Ethiopian, NA= Nearctic, NT= Neotropical, O= Oriental P= Palearctic, PAC= Pacific; parentheses indicate an introduction. The abbreviations used for gender are: F= feminine, M= masculine, N= neuter. This is followed by the type species designation, with valid names in brackets. If the name is currently considered either a subgenus or synonym, its status based upon most recent usage is noted. If the name is a senior synonym, its junior synonyms are then noted.

New nomenclatural changes are derived from ongoing work by the junior author; other changes are in preparation.

Generic list

- Abisba* Ashmead, 1902, Can. Ent. 34: 208. Incorrect spelling of *Abispa* Mitchell.
- Abispa* Mitchell, 1838, Three Exped. Int. Eastern Austr. 1: 104, subgenus of *Vespa* Linnaeus.— Eumeninae; A; F. Type species: *Vespa (Abispa) australiana* Mitchell, 1838, by monotypy. Senior subjective synonym of *Monerebia* Saussure, 1852.
- Notes: 1. Swainson and Shuckard, 1840, On the History and Natural Arrangement of Insects: 182, stated (probably incorrectly) that the type species is a synonym of *Vespa ephippium* Fabricius, 1775. They gave MacLeay as author of *Abispa australiana*. The junior author examined a single male specimen in the MacLeay Museum of Sydney University, labelled as *Abispa australiana* Mitchell, which is possibly the type. It corresponds to *Abispa splendida australis* Smith, 1857.
2. Treated as the valid name for a genus by Saussure, 1855, Ét. Fam. Vesp. 3: 169.
- Acanthodynerus* Gusenleitner, 1969, Boll. Mus. Civ. Stor. Nat. Venezia 19: 13, genus.— Eumeninae; P; M. Type species: *Acanthodynerus giordanii* Gusenleitner, 1969, by original designation.
- Acarepipona* Giordani Soika, 1985, Boll. Mus. Civ. Stor. Nat. Venezia 34: 189, 192, genus.— Eumeninae; E; F. Type species: *Acarepipona insolita* Soika, 1985, by original designation and monotypy.
- Acarodynerus* Giordani Soika, 1962 (1961), Boll. Mus. Civ. Stor. Nat. Venezia 14: 64, 146, genus.— Eumeninae; A; M. Type species: *Odynerus chlypeatus* Saussure, 1853, by original designation.
- Acarozumia* Bequaert, 1921, Rev. Zool. Afric. 9: 249, subgenus of *Montezumia* Saussure.— Eumeninae; A; F. Type species: *Nortonia amaliae* Saussure, 1869, by monotypy.
- Note: Raised to generic rank by Riek, 1970, The Insects of Australia: 937.
- Acutopterocheilus* Kurzenko, 1988, Horae Soc. Ent. Unionis Sov. 70: 94, 99, subgenus of *Onychopterocheilus* Blüthgen.— Eumeninae; P; M. Type species: *Pterochilus atrohirtus* Morawitz, 1885, by original designation.
- Afrepipona* Giordani Soika, 1965, Boll. Soc. Ent. Ital. 95: 46, genus.— Eumeninae; E; F. Type species: *Odynerus macrocephalus* Gribodo, 1894, by original designation.
- Afreumenes* Bequaert, 1926, Ann. S. Afr. Mus. 23: 486, subgenus of *Eumenes* Latreille.— Eumeninae; E; M. Type species: *Eumenes melanosoma* Saussure, 1852, by monotypy.
- Note: Raised to generic rank by Giordani Soika, 1961, Verh. XI Int. Kongr. Ent. Wien 1: 244.
- Afrodynerus* Giordani Soika, 1934, Ann. Mus. Civ. Stor. Nat. Genova 57: 25, 26, subgenus of *Odynerus* Latreille.— Eumeninae; E; M. Type species: *Odynerus monstruosus* Giordani Soika, 1934, by monotypy.
- Note: Treated as a genus by Carpenter, 1986, Psyche 93: 63.
- Afrogamma* Giordani Soika, 1987, Boll. Mus. Civ. Stor. Nat. Venezia 36: 204, genus.— Eumeninae; E; N. Type species: *Afrogamma gibbosum* Giordani Soika, 1987, by

original designation and monotypy.

Afroxyanthodynerus Giordani Soika, 1979, Boll. Mus. Civ. Stor. Nat. Venezia 30: 243, genus.— Eumeninae; E; M. Type species: *Afroxyanthodynerus nigeriensis* Giordani Soika, 1979, by original designation.

Afrozumia Giordani Soika, 1987, Boll. Mus. Civ. Stor. Nat. Venezia 36: 140, subgenus of *Pseudozumia* Saussure.— Eumeninae; E; F. Type species: *Montezumia bimaculata* Meade-Waldo, 1911, by original designation and monotypy.

Agelaia Lepeletier, 1836, Hist. Nat. Ins. Hym. 1: 535, genus.— Polistinae; NT; F. Type species: *Agelaia fuscicornis* Lepeletier, 1836 [= *Polistes testacea* Fabricius, 1804], by monotypy. Senior subjective synonym of *Stelopolybia* Ducke, 1910, and of *Gymnopolybia* Ducke, 1914.

Aglaia Dalla Torre, 1904, Genera Insect. 19: 75. Incorrect spelling of *Agelaia* Lepeletier.

Alasteroides Zavattari, 1912, Arch. Naturgesch. 78A (4): 255. Incorrect spelling of *Alastoroides* Saussure.

Alastodynerus Parker, 1966, Misc. Publ. Ent. Soc. Am. 5: 157. Incorrect spelling of *Alastorynerus* Blüthgen.

Alastor Lepeletier, 1841, Hist. Nat. Ins. Hym. 2: 668, genus (2 species).— Eumeninae; E O P; M (no. 1874 of Official List of Generic Names in Zoology). Type species: *Alastor atropos* Lepeletier, 1841, by subsequent designation of Ashmead, 1902, Names in Zoology). Senior objective synonym of *Antalastor* Saussure, 1856, and of *Eualastor* Dalla Torre, 1904; senior subjective synonym of *Belalastor* Atanassov, 1967.

Alastoroides Saussure, 1856, Ét. Fam. Vesp. 3: 327, subgenus of *Alastor* Lepeletier (2 species).— Eumeninae; A; M (no. 1875 of Official List of Generic Names in Zoology). Type species: *Alastor clotho* Lepeletier, 1841, by subsequent designation of Ashmead, 1902, Can. Ent. 34: 210 (no. 2329 of Official List of Specific Names in Zoology). Objective synonym of *Paralastoroides* Saussure, 1856 (*q.v.*). Subjective synonym of *Paralastor* Saussure, 1856, and rejected here. **Syn. nov.**

Note: The identity of the type species is still uncertain, but as observed by Perkins (1914, Proc. Zool. Soc. Lond.: 563) it appears to differ little from the other species of *Paralastor* Saussure.

Alastorynerus Blüthgen, 1938 (1937), Konowia 16: 294, genus.— Eumeninae; P; M. Type species: *Odynerus (Microdynerus) ludendorffi* Dusmet, 1917, by original designation.

Alferia Neave, 1939, Nom. Zool. 1: 111. Incorrect spelling of *Alfiera* Giordani Soika (corrected in 1940, Nom. Zool. 4: 718).

Alfiera Giordani Soika, 1934, Bull. Soc. Ent. Egypte 18: 436, genus.— Eumeninae; P; F. Type species: *Eumenes anomalus* Zavattari, 1909, by original designation and monotypy.

Allepipona Blüthgen, 1951, Mitt. Münch. Ent. Ges. 41: 194, genus. Nomen nudum.

Allepipona Giordani Soika, 1985, Boll. Mus. Civ. Stor. Nat. Venezia 34: 33, used a generic name in the combination *Allepipona erythrura* Giordani Soika, 1985.— Eumeninae; E; F. Unavailable under Article 13(a)(i) of the Code.

Note: The author used this generic name, without giving any characters differentiating the taxon, while keying a new species, stating in a footnote that it would be published later.

Allepipona Giordani Soika, 1987, Boll. Mus. Civ. Stor. Nat. Venezia 36: 177, genus.—

Eumeninae; E; F. Type species: *Odynerus erythrospilus* Cameron, 1905, by original designation.

Allodynerus Blüthgen, 1938 (1937), *Konowia* 16: 280, subgenus of "*Euodynerus* Blüthgen" [= *Euodynerus* Dalla Torre].— Eumeninae; O? P; M. Type species: "*Lionotus floricola* Sauss. 1852" [= *Odynerus floricola* Saussure, 1853], by original designation. Senior subjective synonym of *Delphinaloides* Bohart, 1951.

Note: Raised to generic rank by Blüthgen, 1938, *Dt Ent. Z.*: 452, 458.

Allogymnomerus Blüthgen, 1951, *Mitt. Münch. Ent. Ges.* 41:174, subgenus of "*Hoplomerus* Westw." [= *Odynerus* Latreille].— Eumeninae; P; M. Type species: *Odynerus consobrinus* Dufour, 1839, by original designation. Subgenus of *Odynerus* Latreille, 1802.

Allorhynchium van der Vecht, 1963, *Zool. Verh. Leiden* 60:57, 58, genus.— Eumeninae; O P; N. Type species: *Vespa argentata* Fabricius, 1804, by original designation.

Allovespula Blüthgen, 1943, *Stettin. Ent. Ztg.* 104: 149, subgenus of *Paravespula* Blüthgen.— Vespinae; NA P; F. Type species: "*Paravespula rufa* (Linné)" [= *Vespa rufa* Linnaeus, 1758], by monotypy. Junior subjective synonym of *Vespula* Thomson, 1869 (Carpenter, 1987, *Syst. Ent.* 12: 427).

Alpha Saussure, 1854, *Ét. Fam. Vesp.* 2: 167, division I of subgenus *Polybia* of genus *Polybia* Lepeletier (8 species); at plates 21 and 22: division of genus *Polybia*.— Polistinae; NT; N. Type species: *Polybia bifasciata* Saussure, 1854, by subsequent designation of Bequaert, 1944, *Rev. Ent. Rio de J.* 15: 99. Senior objective synonym of *Hypopolybia* Richards, 1978, a subgenus of *Polybia* Lepeletier, 1836.

Note. Richards, 1978, *Soc. Wasps Am.*: 33, ascribed the authorship of this taxon to Bequaert, 1933, but this was not in agreement with the revised Article 11(f)(ii) of the Code (1974, *Bull. Zool. Nom.* 31 (2): 79), nor with Article 10(e) of the present Code. See Carpenter and Day (1988, *Proc. Ent. Soc. Wash.* 90: 323-328).

Alpha Saussure, 1855, *Ét. Fam. Vesp.* 3: 128, 137, name for division I of genus *Eumenes* Latreille in Saussure, 1852, *loc. cit.* 1: 28 (23 + 9 species).— Eumeninae; NA NT O P; N. Type species: *Vespa coarctata* Linnaeus, 1758, by subsequent designation of Bequaert, 1926, *Ann. S. Afr. Mus.* 23: 485. Junior homonym of *Alpha* Saussure, 1854. Junior objective synonym of *Eumenes* Latreille, 1802.

Alpha Saussure, 1855, *Ét. Fam. Vesp.* 3: 160, name for division I of genus *Montezumia* Saussure in Saussure, 1852, *loc. cit.* 1: 88 (5 + 2 species).— Eumeninae; NT; N. Type species: *Montezumia rufidentata* Saussure, 1852 [= *Odynerus azurescens* Spinola, 1851], by subsequent designation of Bohart, 1951, in Muesebeck *et al.*, *Synopt. Cat. Hym. Am. N. Mex.*: 885. Junior homonym of *Alpha* Saussure, 1854. Junior objective synonym of *Montezumia* Saussure, 1852.

Alpha Dalla Torre, 1904, *Genera Insect.* 19: 4, name for division I of genus *Paragia* Shuckard in Saussure, 1855, *Ét. Fam. Vesp.* 3: 54 (3 species).— Masarinae; A; N. Junior homonym of *Alpha* Saussure, 1854. Junior synonym of *Paragia* Shuckard, 1837 (Carpenter, 1990b).

Alphamenes Bertoni, 1934, *Rev. Soc. Cient. Paraguay* 3: 109, subgenus of *Eumenes* Latreille.— Eumeninae; NT; M. Unavailable; no type species designated.

Alphamenes van der Vecht, 1977, *Proc. K. Ned. Akad. Wet., Ser. C*, 80: 238, 242, genus; reference to *Alphamenes* Bertoni.— Eumeninae; NT; M. Type species: *Eumenes campanulatus* Fabricius, 1804, by original designation. Validation by type selection of *Alphamenes* Bertoni, 1934.

- Ammoparagia*** Snelling, 1986, Contrib. Sci. 378: 1, 2, genus.— Masarinae; A; F. Type species: *Ammoparagia hua* Snelling, 1986, by original designation and monotypy. Junior subjective synonym of *Metaparagia* Meade-Waldo, 1911 (Carpenter, 1990b).
- Amphimenes*** Bertoni, 1923, Rev. Soc. Cient. Paraguay 1: 53, subgenus of *Eumenes* Latreille or genus.— Eumeninae; NT; M. Type species: *Eumenes totonacus* Saussure, 1875, by monotypy. Junior homonym of *Amphimenes* Bates, 1873 (Coleoptera). Junior subjective synonym of *Omicron* Saussure, 1855 (Giordani Soika, 1978. Boll. Mus. Civ. Stor. Nat. Venezia 29: 46).
- Ancistroceroides*** Saussure, 1855, Ét. Fam. Vesp. 3: 221, name for division III of subgenus *Ancistrocerus* of genus *Odynerus* Latreille in Saussure, 1852, loc. cit. 1: 146 (2 + 2 species); declared available from date of publication by Opinion 893 (ICZN, 1970).— Eumeninae; NT; M. Type species: *Odynerus alastoroides* Saussure, 1853, by subsequent designation of Opinion 1363 (ICZN, 1985).
Notes: 1. Bequaert, 1925, Trans. Am. Ent. Soc. 51: 61, designated *Odynerus cruentus* Saussure, 1855, as type species, and this was confirmed by Opinion 893. But since this proved to be a species of the very large genus *Paralastor* Saussure, 1856, van der Vecht (1983, Bull. Zool. Nom. 40: 111) requested the ICZN to reject Bequaert's designation and to designate *Odynerus alastoroides* Saussure, 1853, as the type species. This was done in Opinion 1363.
2. Treated as a genus by Carpenter and Vecht (1990).
- Ancistrocerus*** Wesmael, 1836, Bull. Acad. R. Belg. 3: 45, subgenus of *Odynerus* Latreille (4 species).— Eumeninae; E NA NT O P; M. Type species: *Vespa parietum* Linnaeus, 1758, by subsequent designation of Girard, 1879, Traité Élément. d'Ent. II (2): 900 ("Nous prendrons comme type l'O.[dynerus] parietum Linn. ..."). Senior objective synonym of *Euancistrocerus* Dalla Torre, 1904.
Note: Westwood, 1840, Introd. Modern Class. Ins. II, Synop.: 84, raised *Ancistrocerus* to generic rank and designated *Vespa parietina* Linnaeus, 1761, as type species, but this species was not originally included.
- Ancystrocerus*** Dalla Torre, 1894, Cat. Hym. 9: 50-104, on numerous pages; Kokujev, 1912, J. Kavkaz. Mus. Tiflis 7: 4. Incorrect spelling of *Ancistrocerus* Wesmael.
- Angiopolybia*** Araujo, 1946, Papeis Dep. Zool. S. Paulo 7(12): 166, 169, new name for *Stelopolybia sensu* Ducke, 1914, Zool. Jb., Syst. 36: 306, 327.— Polistinae; NT; F. Type species: *Rhopalidia pallens* Lepeletier, 1836, by original designation.
Note: The name *Rhopalidia* Lepeletier, 1836, was rejected in favour of *Angiopolybia* by Opinion 1051 (ICZN, 1976).
- Anischnogaster*** van der Vecht, 1972, Zool. Meded. Leiden 47: 240, 241, genus.— Stenogastrinae; A; F. Type species: *Ischnogaster iridipennis* Smith, 1859, by original designation.
- Antagris*** Saussure, 1863, Mém. Soc. Phys. Hist. Nat. Genève 17: 181, division of genus *Synagris* Latreille (9 species).— Eumeninae; E; F. Type species: *Synagris aequatorialis* Saussure, 1852 [= *Vespa spiniventris* Illiger, 1802], by subsequent designation of Ashmead, 1902, Can. Ent. 34: 210. Junior subjective synonym of *Paragris* Saussure, 1855, a subgenus of *Synagris* Latreille, 1802 (Maidl, 1914, Denkschr. Akad. Wiss., Wien, Math-Naturw. Kl. 91: 252).
- Antalastor*** Saussure, 1856, Ét. Fam. Vesp. 3: 328, division of subgenus *Alastor* of genus *Alastor* Lepeletier (3 species).— Eumeninae; P; M. Type species: *Alastor atropos* Lepeletier, 1841, by subsequent designation of van der Vecht, 1967, Bull.

Zool. Nom. 24: 30; confirmed by Opinion 893 (ICZN, 1970). Junior objective synonym of *Alastor* Lepeletier, 1841 (no. 1959 of Official Index of Rejected and Invalid Generic Names in Zoology).

Antalastoroides Saussure, 1856, Ét. Fam. Vesp. 3: 328, hypothetical group. Nomen nudum.

Antamenes Giordani Soika, 1958 (1957), Boll. Mus. Civ. Stor Nat. Venezia 10: 214, genus.— Eumeninae; A; M. Type species: *Odynerus flavocinctus* Smith, 1857 [= *Odynerus vernalis* Saussure, 1853], by original designation.

Antepipona Saussure, 1855, Ét. Fam. Vesp. 3: 244, name for section C of division V of subgenus *Leionotus* Saussure of genus *Odynerus* Latreille in Saussure, 1853, *loc. cit.* 1: 213 (4 species); declared available from date of publication by Opinion 893 (ICZN, 1970).— Eumeninae; E O P; F (no. 1858 of Official List of Generic Names in Zoology). Type species: *Odynerus silaos* Saussure, 1853, by subsequent designation of van der Vecht, 1967, Bull. Zool. Nom. 24: 30; confirmed by Opinion 893 (no. 2338 of Official List of Specific Names in Zoology). Senior subjective synonym of *Odontodynerus* Blüthgen, 1938, *Dichodynerus* Blüthgen, 1938, *Metastenancistrocerus* Blüthgen, 1938, and of *Mehelyella* Bohart, 1951.

Notes: 1. Saussure described 5 additional species in Ét. Fam. Vesp. 3: 298— 301, but these pages were published in 1856.

2. Treated as the valid name for a genus by van der Vecht, 1970, Proc. K. Ned. Akad. Wet., Ser. C, 73: 17.

Antepipone Dalla Torre, 1894, Cat. Hym. 9: 50, 96. Incorrect spelling of *Antepipona* Saussure.

Antepiponus Saussure, 1875, Smiths. Misc. Coll. 254: xxxv, 361. Unjustified emendation of *Antepipona* Saussure, 1855.

Anterhynchium Saussure, 1863, Mém. Soc. Phys. Hist. Nat. Genève 17: 205, name for division I of genus *Rhynchium* Spinola in Saussure, 1852, Ét. Fam. Vesp. 1: 103, and 1855, *loc. cit.* 3: 175 (4 + 4 species).— Eumeninae; A E O P; N. Type species: *Ryngchium synagroides* Saussure, 1852, by subsequent designation of van der Vecht, 1963, Zool. Verh. Leiden 60: 73.

Note: Raised to generic rank by van der Vecht, 1963, Zool. Verh. Leiden 60: 73.

Anterrhynchium Dalla Torre, 1904, Genera Insect. 19: 33. Incorrect spelling of *Anterhynchium* Saussure.

Antezumia Saussure, 1875, Smiths. Misc. Coll. 254: 113, division of genus *Montezumia* Saussure (3 species).— Eumeninae; NT; F. Type species: *Montezumia chalybea* Saussure, 1855, by subsequent designation of Bequaert, 1921, Rev. Zool. Afric. 9: 240. Senior objective synonym of *Pinta* Zavattari, 1912.

Note: Treated as a genus by Willink, 1982, Bol. Acad. Nac. Cienc. 55: 16.

Anthodynerus Giordani Soika, 1961, South Afr. Animal Life VIII: 445. Incorrect spelling of *Antodynerus* Saussure.

Anthreneida White, 1841, Ann. Mag. Nat. Hist. I (7): 321, genus.— Polistinae; O; F. Type species: *Anthreneida coronata* White, 1841 [= *Vespa sumatrae* Weber, 1801], by monotypy. Subgenus of *Ropalidia* Guérin, 1831 (van der Vecht, 1962, Zool. Verh. Leiden 57: 3, 4).

Anthreneidea Saussure, 1854, Ét. Fam. Vesp. 2: 235. Incorrect spelling of *Anthreneida* White.

Antodynerus Saussure, 1855, Ét. Fam. Vesp. 3: 242, 287, name for division V of sub-

genus *Leionotus* Saussure of genus *Odynerus* Latreille in Saussure, 1853, *loc. cit.* 1: 208 (6 + 3 species); declared available from date of publication by Opinion 893 (ICZN, 1970).— Eumeninae; E O P; M (no. 1859 of Official List of Generic Names in Zoology). Type species: *Vespa flavescens* Fabricius, 1775, by subsequent designation of van der Vecht, 1959, Arch. Neerl. Zool. 13, Suppl. 1: 238; confirmed by Opinion 893 (no. 2333 of Official List of Specific Names in Zoology). Senior subjective synonym of *Kalliepipona* Giordani Soika, 1952, *Pseudokalliepipona* Giordani Soika, 1955, and of *Parepipona* Giordani Soika, 1957.

Notes: 1. The type species is a subjective senior synonym of "*Odynerus punctum* (Fabricius)" Saussure, 1853 (misidentification), an originally included species.

2. Raised to generic rank by van der Vecht, 1959, Arch. Neerl. Zool. 13, Suppl. 1: 238.

Aphanilopteris Richards, 1978, Soc. Wasps Am.: 482. Incorrect spelling of *Aphanilopteris* Meunier.

Aphanilopterus Meunier, 1888, Naturalista Sicil. 7: 302, genus.— Polistinae; NA NT; M. Type species: *Aphanilopterus vagabundus* Meunier, 1888 [= *Vespa lanio* Fabricius, 1775], by monotypy. Senior subjective synonym of *Polistarchus* Richards, 1973, *q. v.*, a subgenus of *Polistes* Latreille, 1802.

Apodynerus Gusenleitner, 1988, Linzer Biol. Beitr. 20: 180, used as generic name in the combination "*Apodynerus* (VDV.i.sch.) *t. troglodytes* (SAUSSURE 1856)".— Eumeninae; O; M. Unavailable under Article 13(a)(i) of the Code.

Note: The author used this generic name, without giving any characters differentiating the taxon, in a faunal list, without checking whether it had been published.

Apoeca Schulz, 1912, Berlin. Ent. Z. 57: 84. Unjustified emendation of *Apoica* Lepeletier, 1836.

Apoica Lepeletier, 1836, Hist. Nat. Ins. 1: 536, genus (2 species).— Polistinae; NT; F. Type species: "*Apoica lineolata* Lepeletier, 1836 = *Vespa pallida* Olivier, 1791", by subsequent designation of Bequaert, 1943, Trans. Am. Ent. Soc. 69: 108. Senior objective synonym of *Protapoica* Dalla Torre, 1904.

Apopolybia Richards, 1978, Soc. Wasps Am.: v, 34, 49, subgenus of *Polybia* Lepeletier.— Polistinae; NT; F. Type species: *Polybia simillima* Smith, 1862, by original designation.

Araucodynerus Willink, 1968 (1967), Acta Zool. Lilloana 22: 143, 152, genus.— Eumeninae; NT; M. Type species: *Odynerus tuberculatus* Saussure, 1853, by original designation. Junior subjective synonym of *Hypodynerus* Saussure, 1855. **Syn. nov.**

Note: Willink distinguished this genus from *Hypodynerus* Saussure entirely by male characters; the females cannot be separated.

Archancistrocerus Giordani Soika, 1986, Boll. Mus. Civ. Stor. Nat. Venezia 35: 143, genus.— Eumeninae; P; M. Type species: *Archancistrocerus diffinis* Giordani Soika, 1986, by original designation and monotypy.

Argentozethus Stange, 1979, Acta Zool. Lilloana 35: 729, 730, genus.— Eumeninae; NT; M. Type species: *Argentozethus willinki* Stange, 1979, by original designation and monotypy.

Asiodynerus Kurzenko, 1977, Ins. Mongol. 5: 557, genus.— Eumeninae; P; M. Type species: *Odynerus lucifer* Kostylev, 1937, by original designation.

- Astator* Schulthess, 1925, *Konowia* 4: 59, 207, subgenus of *Alastor* Lepeletier.— Eumeninae; E; M. Type species: *Alastor maidli* Schulthess, 1925, by monotypy.
 Note: Raised to generic rank by Giordani Soika, 1936, *Boll. Soc. Ent. Ital.* 68: 77.
- Astator* Schulthess, 1925, *Konowia* 4: 208. Incorrect spelling of *Astator* Schulthess.
- Asteloeca* Raw, 1985, *Rev. Bras. Ent.* 29: 185, genus.— Polistinae; NT; F. Type species: *Polybia traili* Cameron, 1906, by original designation and monotypy.
- Atropancistrocerus* Blüthgen, 1938, *Dt. Ent. Z.*: 442, 444, 461, genus.— Eumeninae; P; M. Type species: *Odynerus hispanicus* Dusmet, by original designation. Junior subjective synonym of *Stenancistrocerus* Saussure, 1863 (Giordani Soika, 1939, *Bull. Soc. Ent. Fr.* 44: 78).
- Aucistrocerus* Rudow, 1876, *Arch. Ver. Freunde Naturgesch. Mecklenb.* 30: 197. Incorrect spelling of *Ancistrocerus* Wesmael.
- Australochilus* Giordani Soika, 1962 (1961), *Boll. Mus. Civ. Stor. Nat. Venezia* 14: 184, subgenus of *Antamenes* Giordani Soika.— Eumeninae; A; M. Unavailable; no type species designated.
- Australochilus* Giordani Soika, 1973, *Boll. Mus. Civ. Stor. Nat. Venezia* 24: 53; reference to *Australochilus* Giordani Soika, 1962.— Eumeninae; A; M. Type species: *Odynerus citreocinctus* Saussure, 1867, by original designation. Validation by type selection of *Australochilus* Giordani Soika, 1962. Subgenus of *Antamenes* Giordani Soika, 1958.
- Australodynerus* Giordani Soika, 1962 (1961), *Boll. Mus. Civ. Stor. Nat. Venezia* 14: 65, 114, genus.— Eumeninae; A; M. Type species: *Odynerus pusillus* Saussure, 1856, by original designation.
- Austrodynerus* Giordani Soika, 1958 (1957), *Boll. Mus. Civ. Stor. Nat. Venezia* 10: 198, genus. Nomen nudum.
- Baeoprymna* Cameron, 1912, *J. Roy. Agric. Soc. Demarara* 2(3): 225, genus.— Eumeninae; NT; F. Type species: *Baeoprymna rufoornata* Cameron, 1912 [= *Zethus miniatius* Saussure, 1858], by monotypy. Junior subjective synonym of *Zethoides* Fox, 1899, a subgenus of *Zethus* Fabricius (Bohart and Stange, 1965, *Univ. Calif. Publ. Ent.* 40: 150, 163).
- Belalastor* Atanassov, 1967, *J. Zool. Inst. Sof.* 23: 167, subgenus of *Alastor* Lepeletier.— Eumeninae; P; M. Type species: *Alastor (Belalastor) bulgaricus* Atanassov, 1967 [= *Alastor (Alastor) seidenstueckeri* Blüthgen, 1956], by original designation and monotypy. Junior subjective synonym of the nominate subgenus of *Alastor* Lepeletier, 1841 (Gusenleitner, 1970, *Nachr. Bl. Bayer. Ent.* 18: 112).
- Belenogaster* Walker, 1871, *List Hym. Collected by J. K. Lord, Egypt and Arabia etc.* (London): 39; Kirby, 1881, *Proc. Zool. Soc. Lond.*: 649. Incorrect spelling of *Belonogaster* Saussure.
- Belonogaster* Saussure, 1854, *Ét. Fam. Vesp.* 2: 235, genus, replacement name for *Raphigaster* Saussure, 1853, non Lepeletier, 1841.— Polistinae; E O; F. Type species: *Vespa juncea* Fabricius, 1781, by subsequent designation of Bingham, 1897, *Fauna Brit. India Hym.* 1: 468.
- Beta* Saussure, 1855, *Ét. Fam. Vesp.* 3: 162, name for division 2 of genus *Montezumia* Saussure in Saussure, 1852, *loc. cit.* 1: 90 (9 + 7 species).— Eumeninae; NA NT; N. Type species: *Montezumia morosa* Saussure, 1852, by subsequent designation of Bequaert, 1921, *Rev. Zool. Afric.* 9: 240. Junior subjective synonym of *Montezumia* Saussure, 1852 (Bequaert, 1921, *loc. cit.*: 242).

- Beta** Saussure, 1875, *Smiths. Misc. Coll.* 254: 88, division of genus *Eumenes* Latreille (3 species).— Eumeninae; NT; N. Type species: *Eumenes nortonianus* Saussure, 1875, by subsequent designation of Bequaert, 1926, *Ann. S. Afr. Mus.* 23: 486. Junior homonym of *Beta* Saussure, 1855. Junior subjective synonym of *Omicron* Saussure, 1855 (Carpenter, 1986, *Psyche* 93: 77).
- Beta** Dalla Torre, 1904, *Genera Insect.* 19: 4, name for division II of genus *Paragia* Shuckard in Saussure, 1855, *Ét. Fam. Vesp.* 3: 56 (5 species).— Masarinae; A; N. Junior homonym of *Beta* Saussure, 1855. Junior synonym of *Paragia* Shuckard, 1837 (Carpenter, 1990b).
- Beteumenes** Bertoni, 1934, *Rev. Soc. Cient. Paraguay* 3: 109, subgenus of *Zeteumenes* Bertoni (14 species).— Eumeninae; NT; M. Unavailable; no type species designated. Junior synonym of *Zeta* Saussure, 1855 (Carpenter, 1986, *Psyche* 93: 88).
- Bidentodynerus** Giordani Soika, 1977 (1976), *Mem. Soc. Ent. Ital.* 55: 117, genus.— Eumeninae; A; M. Type species: *Odynerus bicolor* Saussure, 1855, by original designation and monotypy.
- Boreovespula** Blüthgen, 1943, *Stettin. Ent. Ztg.* 104: 149, subgenus of *Dolichovespula* Rohwer.— Vespinae; NA P; F. Type species: "*Dolichovespula norwegica* (F.)" [= *Vespa norwegica* Fabricius, 1781], by original designation. Junior subjective synonym of *Dolichovespula* Rohwer, 1916 (Carpenter, 1987, *Syst. Ent.* 12: 427).
- Brachygaster** Saussure, 1853, *Ét. Fam. Vesp.* 1: 171, footnote. Incorrect spelling of *Brachygastra* Perty.
- Brachygastra** Perty, 1833, *Delect. Anim. Artic. Brasil*, fasc. 3: 145, genus (2 species).— Polistinae; NA NT; F. Type species: *Brachygastra analis* Perty, 1833 [= *Polistes lecheguana* Latreille, 1824], by subsequent designation of Bequaert, 1933, *Entomologica Am.* 13: 89. Senior objective synonym of *Nectarina* Swainson and Shuckard, 1840, *Melissaia* Shuckard, 1841, and of *Caba* R. von Ihering, 1904.
- Brachymenes** Giordani Soika, 1961, *Verh. XI Int. Kongr. Ent. Wien* 1: 243, genus.— Eumeninae; NT; M. Type species: *Eumenes wagnerianus* Saussure, 1875, by original designation.
- Brachyodynerus** Blüthgen, 1938, *Dt. Ent. Z.*: 450, 459, genus.— Eumeninae; P; M. Type species: *Odynerus (Lionotus) magnificus* Morawitz, 1867, by original designation.
- Brachyparmenes** Giordani Soika, 1987, *Boll. Mus. Civ. Stor. Nat. Venezia* 36: 201, subgenus of *Pareumenes* Saussure.— Eumeninae; E; M. Type species: *Pareumenes (Brachyparmenes) punctatissimus* Giordani Soika, 1987, by original designation and monotypy.
- Brachypipona** Gusenleitner, 1967, *Polskie Pismo Ent.* 37: 671, subgenus of *Pseudepipona* Saussure.— Eumeninae; P; F. Type species: *Pseudepipona schmidti* Gusenleitner, 1967, by original designation. Senior subjective synonym of *Desertodynerus* Kurzenko, 1977.
- Note: Raised to generic rank by Kurzenko, 1982 (1981), *Hym. Far East, Acad. Sci. U.S.S.R.*: 93, 104.
- Caba** R. von Ihering, 1904, *Rev. Mus. Paulista* 6: 103, 105, new name for "*Nectarina* Shuckard, 1840".— Polistinae; NA NT; F. Unnecessary replacement name for *Nectarina* Swainson and Shuckard, 1840, thought to be preoccupied by *Nectarinia* Illiger, 1811 (Aves). Junior objective synonym of *Brachygastra* Perty, 1833.
- Calligaster** Saussure, 1852, *Ét. Fam. Vesp.* 1: 22, genus (2 species).— Eumeninae; O; F.

Type species: *Calligaster cyanoptera* Saussure, 1852, by subsequent designation of Ashmead, 1902, Can. Ent. 34: 205.

Carinodynerus Giordani Soika, 1957, Brit. Mus. (Nat. Hist.) Exped. S. W. Arabia, 1937-8, 1 (31): 478, subgenus of *Pseudepipona* Saussure.— Eumeninae; E; M. Type species: *Odynerus guerinii* Saussure, 1853, by original designation. Junior objective synonym of *Tricarinodynerus* Giordani Soika, 1951.

Carinstrocercus Giordani Soika, 1989, Lavori Soc. Ven. Sci. Nat. 14: 19, 43, genus.— Eumeninae; P; M. Type species: *Ancistrocercus dolorans* Giordani Soika, 1935, by original designation.

Catilostenus Meunier, 1888, Naturalista Sicil. 7: 150, genus.— Eumeninae; E; M. Type species: *Catilostenus nigroviolaceus* Meunier, 1888, by monotypy. Identity uncertain.

Note: According to Bequaert, 1918, Bull. Am. Mus. Nat. Hist. 39: 350, this genus is probably a junior synonym of *Synagris* Latreille, 1802.

Celliforma Brown, 1941, Am. J. Sci. 239: 54, genus.— Polistinae or Vespinae; NA; F. Type species: *Celliforma favosites* Brown, 1941, by original designation and monotypy. Fossil nest from the Upper Cretaceous.

Note: The identification of this taxon as a social wasp's nest was disputed by Bequaert and F. Carpenter, 1941, Psyche 48: 50-55, but Wenzel (1990) has recently argued that it is indeed a social wasp. The subfamily cannot be determined.

Celonites Latreille, 1802, Hist. Nat. Crust. Ins. 3: 368, genus.— Masarinae; E P; M. Type species: *Masaris apiformis* Fabricius, 1793 [= *Vespa abbreviata* Villers, 1789], by monotypy. Senior subjective synonym of *Eucelonites* Richards, 1962, and of *Paracelonites* Kostylev, 1935.

Cephalastor Giordani Soika, 1982 (1981), Boll. Mus. Civ. Stor. Nat. Venezia 32: 33, 40, subgenus of *Hypalastoroides* Saussure.— Eumeninae; NT; M. Type species: *Hypalastoroides depressus* Giordani Soika, 1969 [= *Odynerus relativus*, Fox, 1902], by original designation and monotypy.

Note: Raised to generic rank by Carpenter, 1986, Psyche 93: 61.

Cephalochilus Blüthgen, 1939, Mitt. Ent. Ges. Halle 17: 13, genus.— Eumeninae; P; M. Type species: *Pterochilus grandis* Lepelletier, 1841 [= *Vespa labiata* Fabricius, 1798], by original designation and monotypy.

Cephalodynerus Parker, 1965, Ann. Ent. Soc. Am. 58: 364, genus.— Eumeninae; NA; M. Type species: *Cephalodynerus unicornis* Parker, 1965, by original designation.

Ceramius Westwood, 1840, Introd. Modern Class. Ins. 2: 237. Incorrect spelling of *Ceramius* Latreille.

Ceramiellus Schulthess, 1922, Dt. Ent. Z.: 401, genus.— Masarinae; E; M. Type species: *Ceramiellus braunsi* Schulthess, 1922, by monotypy. Junior subjective synonym of *Jugurtia* Saussure, 1854 (see Bequaert, 1937, Bull. Ann. Soc. Ent. Belg. 68: 341).

Ceramioides Saussure, 1854, Ét. Fam. Vesp. 3: pl. 4, no. 1, division of genus *Ceramius* Latreille; 1855: 71, division III of genus *Ceramius*.— Masarinae; E; M. Type species: *Ceramius cerceriformis* Saussure, 1854, by monotypy. Junior subjective synonym of *Ceramius* Latreille, 1810 (Richards, 1962, Revision. Study Masarid Wasps: 83).

Ceramiopsis Zavattari, 1910, Ann. Mus. Civ. Stor. Nat. Genova 44: 531, genus.— Masarinae; NT; F. Type species: *Ceramiopsis gestroi* Zavattari, 1910, by monotypy.

- Ceramius** Latreille, 1810, Cons. Gen. Crust. Arachn. Ins.: 329, 438.— Masarinae; E P; M. Type species: *Ceramius fonscolombeii* Latreille, 1810, by original designation. Senior subjective synonym *Gnatho* Klug, 1810, *Ceramioides* Saussure, 1854, and of *Paraceramius* Saussure, 1854; senior objective synonym of *Euceramius* Dalla Torre, 1904.
- Ceramus** Westwood, 1840, Introd. Modern Class. Ins. 2: 243. Incorrect spelling of *Ceramius* Latreille.
- Chartergus** Bequaert, 1949 (1948), Bol. Ent. Venezolana 7: 131. Incorrect spelling of *Chartergus* Lepeletier.
- Chartergellus** Bequaert, 1938, Rev. Ent. Rio de J. 9: 106, subgenus of *Chartergus sensu* Bequaert [= *Parachartergus* von Ihering, 1904].— Polistinae; NT; M. Type species: *Vespa frontalis* Fabricius, 1804 [= *Chartergellus amazonicus* Richards, 1978, replacement name for *Vespa frontalis* Fabricius, 1804, non Latreille, 1802], by original designation and monotypy.
- Notes: 1. In 1943 Bequaert (Bull. Brooklyn Ent. Soc. 38: 4) corrected his paper of 1938: *Chartergus sensu* Bequaert = *Parachartergus* Von Ihering, and *Epipona sensu* Bequaert = *Chartergus* Lepeletier.
2. Richards, 1978, Soc. Wasps Am.: v, 10, 215, raised *Chartergellus* to generic rank and noted that *Vespa frontalis* Fabricius is preoccupied. He provisionally treated *C. amazonicus* nom. n. as the type of *Chartergellus*, but remarked that it is uncertain whether this species is identical with *C. frontalis sensu* Bequaert. As discussed by Carpenter and van der Vecht (1990), there are no grounds for considering Bequaert to have misidentified this species.
- Charterginus** Fox, 1898, Proc. Acad. Nat. Sci. Philad.: 458, genus.— Polistinae; NT; M. Type species: *Charterginus fulvus* Fox, 1898, by original designation. Senior subjective synonym of *Hypochartergus* Zavattari, 1906.
- Chartergus** Lepeletier, 1836, Hist. Nat. Ins. Hym. 1: 542, genus (2 species).— Polistinae; NT; M. Type species: *Vespa nidulans* Fabricius, 1793 [= *Vespa chartaria* Olivier, 1791], by subsequent designation of Blanchard, 1840, Hist. Nat. Anim. Artic. 3: 395. Senior objective synonym of *Chartoteuchium* Richards, 1978.
- Chartoteuchium** Börner, 1919, Biol. Zbl. 39: 186, genus. Nomen nudum.
- Chartoteuchium** Richards, 1978, Soc. Wasps Am.: 132; reference to *Chartoteuchium* Börner.— Polistinae; NT; N. Type species: *Vespa chartaria* Olivier, 1792, by original designation. Validation by type selection of *Chartoteuchium* Börner, 1919. Junior objective synonym of *Chartergus* Lepeletier, 1836.
- Chartergus** Erichson, 1838, Arch. Naturgesch. 4 (2): 237; H. von Ihering, 1927, Gesch. Atlant. Ozeans: 180. Incorrect spelling of *Chartergus* Lepeletier.
- Chelodynerus** Perkins, 1902, Trans. Ent. Soc. Lond.: 136, genus.— Eumeninae; PAC; M. Type species: *Odynerus chelififer* Perkins, 1899, by monotypy.
- Chelonites** Leach, 1815, "Entomology" in Edinburgh Encyclop. IX (1): 154. Incorrect spelling of *Celonites* Latreille.
- Chlorodynerus** Blüthgen, 1951, Boll. Soc. Ent. Ital. 81: 67, 75, subgenus of "*Euodynerus* (Dalla Torre) Blüthgen" [= *Euodynerus* Dalla Torre].— Eumeninae; O P; M. Type species: *Odynerus chloroticus* Spinola, 1838, by original designation.
- Note: Raised to generic rank by Giordani Soika, 1958 (1957), Boll. Mus. Civ. Stor. Nat. Venezia 10: 139.
- Clypearia** Saussure, 1854, Ét. Fam. Vesp. 2: 165, subgenus of *Polybia* Lepeletier.—

- Polistinae; NT; F. Type species: *Polistes apicipennis* Spinola, 1851, by monotypy.
Note: Raised to generic rank by Ducke, 1905, *Revue Ent.* 24: 7, 9, 16.
- Clypeopolybia* Brèthes, 1923, *Rev. Fac. Nac. Agron. Univ. La Plata* 15: 16, genus.—
Polistinae; NT; F. Type species: *Clypeopolybia duckei* Brèthes, 1923 [= *Polistes flavicans* Fabricius, 1804], by monotypy. Subgenus of *Mischocyttarus* Saussure, 1853 (Richards, 1978, *Soc. Wasps Am.*: v, 17, 273, 282).
- Coeleumenes* van der Vecht, 1963, *Zool. Verh. Leiden* 60: 16, 45, genus.— Eumeninae;
O; M. Type species: *Montezumia impavida* Bingham, 1897, by original designation.
- Coelonites* Blanchard, 1840, *Hist. Nat. Anim. Artic.* 3: 387. Incorrect spelling of
Celonites Latreille.
- Coloboclypeus* Brèthes, 1926, *Nunquam Otiosus* (2) 5: 12, genus.— Polistinae; NT; M.
Type species: *Coloboclypeus niger* Brèthes, 1926 [= *Tatua guerini* Saussure, 1854], by
monotypy. Junior subjective synonym of *Epipona* Latreille, 1802 (Richards, 1978,
Soc. Wasps Am.: 158).
- Convextrocercus* Giordani Soika, 1989, *Lavori Soc. Ven. Sci. Nat.* 14: 19, 46, genus.—
Eumeninae; P; M. Type species: *Ancistrocercus nitidissimus* Giordani Soika, 1936,
by original designation.
- Cotyledon* Bradley, 1922, *Univ. Calif. Publ., Ent.* 1: 408, 430, subgenus of *Pseudomasaris*
Ashmead.— Masarinae; NA; F. Type species: *Masaris edwardsii* Cresson,
1872, by original designation. Junior subjective synonym of *Pseudomasaris* Ashmead,
1902 (Richards, 1962, *Revision. Study Masarid Wasps*: 277).
- Ctenochilus* Saussure, 1856, *Ét. Fam. Vesp.* 3: 323, name for division III of genus *Pterochilus*
(!) Klug in Saussure, 1853, *loc. cit.* 1: 247 and pl. XX, fig. 8 (characterized as
perhaps a genus).— Eumeninae; NT; M. Type species: *Epipona pilipalpa* Spinola,
1851, by monotypy.
Note: Raised to generic rank by Saussure, 1875, *Smiths. Misc. Coll.* 254: xxxv,
372.
- Curiosivespa* Rasnitsyn, 1975, *Trans. Paleont. Inst. Acad. Sci. U.S.S.R.* 147: 114, ge-
nus.— Euparagiinae; P; F. Type species: *Curiosivespa curiosa* Rasnitsyn, 1975, by
original designation. Fossil taxon from the Cretaceous.
- Cuyodynerus* Willink, 1968 (1967), *Acta Zool. Lilloana* 22: 143, 151, genus.— Eume-
ninae; NT; M. Type species: *Odynerus cuyanus* Brèthes, 1903, by original designa-
tion.
- Cyclostoma* Kirby and Spence, 1826, *Introd. Ent. Ed.* 1, 3: 36, 633, genus.— Polisti-
nae; O P; N. Type species: *Cyclostoma gigas* Kirby and Spence, 1826, by monotypy.
Junior homonym of *Cyclostoma* Lamarck, 1799 (Pisces). Replaced by *Gyrostoma*
Kirby and Spence, 1828, a subgenus of *Polistes* Latreille, 1802.
- Cygnaea* Richards, 1962, *Revision. Study Masarid Wasps*: 4, 53, 60, subgenus of *Pa-
ragia* Shuckard.— Masarinae; A; F. Type species: *Paragia vespiformis* Smith, 1865,
by original designation and monotypy. Junior subjective synonym of *Paragia*
Shuckard, 1837 (Snelling, 1986, *Contrib. Sci.* 378: 1, 12).
- Cylindrepipona* Giordani Soika, 1987, *Boll. Mus. Civ. Stor. Nat. Venezia* 36: 178, sub-
genus of *Allepipona* Giordani Soika.— Eumeninae; E; F. Type species: *Odynerus
emortualis* Saussure, 1853, by original designation and monotypy.
- Cylindroeca* Richards, 1978, *Soc. Wasps Am.*: v, 35, 99, subgenus of *Polybia* Lepelletier,
1836.— Polistinae; NT; F. Type species: *Vespa dimidiata* Olivier, 1791, by original
designation.

- Cyllindroeca** Richards, 1978, Soc. Wasps Am.: 35. Incorrect spelling of *Cylindroeca* Richards.
- Cyphodynerus** van der Vecht, 1971, Ent. Ber. Amst. 31: 127, genus.— Eumeninae; E P; M. Type species: *Odynerus dimidiatus* Spinola, 1838 [non *Odynerus dimidiatus* Guérin, 1834; = *Odynerus canaliculatus* Saussure, 1855], by original designation.
- Cyphomenes** Giordani Soika, 1978, Boll. Mus. Civ. Stor. Nat. Venezia 29: 13, 210, genus.— Eumeninae; NT; M. Type species: *Eumenes infernalis* Saussure, 1875, by original designation.
- Cyrtalastor** Giordani Soika, 1989, Lavori Soc. Ven. Sci. Nat. 14: 19, 35, genus.— Eumeninae; P; M. Type species: *Cyrtalastor moruloides* Giordani Soika, 1989, by original designation and monotypy.
- Cyrtolabulus** van der Vecht, 1969, Ent. Ber. Amst. 29: 1, replacement name for *Cyrtolabus* van der Vecht, 1963, non Voss, 1925.— Eumeninae; E O P; M. Type species: *Cyrtolabus suavis* van der Vecht, 1963, by original designation as type species of *Cyrtolabus* van der Vecht.
- Cyrtolabus** van der Vecht, 1963, Zool. Verh. Leiden 60: 11, genus.— Eumeninae; O E P; M. Type species: *Cyrtolabus suavis* van der Vecht, 1963, by original designation. Junior homonym of *Cyrtolabus* Voss, 1925 (Coleoptera). Replaced by *Cyrtolabulus* van der Vecht, 1969.
- Delphinaloides** Moczar, 1937, Folia Ent. Hung. 3: 15, 17, 30, genus (3 species).— Eumeninae; P; M. Unavailable; no type species designated.
- Delphinaloides** Bohart, 1951, in Muesebeck *et al.*, Synopt. Cat. Hym. Am. N. Mex.: 888; reference to *Delphinaloides* Moczar.— Eumeninae; P; M. Type species: *Odynerus delphinalis* Giraud, 1866, by original designation. Validation by type selection of *Delphinaloides* Moczar, 1937. Junior subjective synonym of *Allodynerus* Blüthgen, 1938 (Blüthgen, 1961, Abh. Dt. Akad. Wiss. Berl., Kl. Chem., Geol. Biol. (2): 126).
- Delta** Saussure, 1855, Ét. Fam. Vesp. 3: 130, 132, 143, name for divisions II and III of genus *Eumenes* Latreille in Saussure, 1852, *loc. cit.* 1: 44, 60 (26 + 3 species).— Eumeninae; A E (NA) (NT) O P PAC; N. Type species: *Vespa maxillosa* DeGeer, 1775 [= *Vespa emarginata* Linnaeus, 1758], by subsequent designation of Bequaert, 1925, Bull. Brooklyn Ent. Soc. 20: 137 [erroneously as *Sphex maxillosus* DeGeer, correctly in 1926, Ann. S. Afr. Mus. 23: 487]. Senior subjective synonym of *Phi* Saussure, 1855, and of *Erinys* Zirngiebl, 1953.
Note: Raised to generic rank by Blüthgen, 1953, Mem. Estud. Mus. Zool. Univ. Coimbra 218: 3.
- Desertodynerus** Kurzenko, 1977, Zool. Zh. 56: 957, genus.— Eumeninae; P; M. Type species: *Desertodynerus gratus* Kurzenko, 1977, by monotypy. Junior subjective synonym of *Brachypipona* Gusenleitner, 1967 (Kurzenko, 1982 (1981), Hym. Far East, Acad. Sci. U.S.S.R.: 104).
- Deuteraipoica** Dalla Torre, 1904, Genera Insect. 19: 79, name for group II of genus *Apoica* Lepeletier in Saussure, 1854, Ét. Fam. Vesp. 2: 108 (2 species).— Polistinae; NT; F. Type species: *Apoica arborea* Saussure, 1854, by subsequent designation of Richards, 1978, Soc. Wasps Am.: 263. Subgenus of *Apoica* Lepeletier, 1836 (Richards, 1978, Soc. Wasps Am.: v, 263).
- Deuterepipona** Blüthgen, 1951, Mitt. Münch. Ent. Ges. 41: 171, 194, genus.— Eumeninae; P; F. Type species: *Odynerus ionius* Saussure, 1855, by original designation.

Subgenus of *Pseudepipona* Saussure, 1856 (Giordani Soika, 1970, Boll. Mus. Civ. Stor. Nat. Venezia 20/21: 148).

Deuterodiscoelius Dalla Torre, 1904, Genera Insect. 19: 18, name for division II of genus *Discoelius* Latreille in Saussure, 1852, Ét. Fam. Vesp. 1: 24, as a group of genus *Discoelius*.— Eumeninae; A; M. Type species: *Discoelius verreauxii* Saussure, 1852, by monotypy. Senior synonym of *Pseudozethus* Perkins, 1914 (Giordani Soika, 1977 (1976), Mem. Soc. Ent. Ital. 55: 109).

Note: Though Dalla Torre (1904) did not state so explicitly, it is evident that the group names applied by him refer to the divisions characterized by Saussure, 1852, his diagnoses being exact translations of those of Saussure. Consequently Carpenter (1986, Psyche 93: 68) accepted as the type of *Deuterodiscoelius* the only species placed in this group by Saussure, 1852 [as "*Odynerus*" *verreauxii*].

Dichodynerus Blüthgen, 1938, Dt. Ent. Z.: 444, genus.— Eumeninae; P; M. Type species: "*L. vagus* Rad. (= *vagabundus* D.T. nom.nov.)" [= *Odynerus vagabundus* Dalla Torre, 1889], by original designation and monotypy. Objective synonym of *Metastenancistrocerus* Blüthgen, 1938, loc. cit.: 460; junior subjective synonym of *Antepipona* Saussure, 1855 (Blüthgen, 1939, Veröff. Dt. Kolon. Übersee Mus. Bremen 2: 246 as synonym of *Odontodynerus* Blüthgen, q. v.).

Note: In 1939, Veröff. Dt. Kolon. Übersee Mus. Bremen 2: 245-246, Blüthgen noted that publication of *Metastenancistrocerus* was based on an error.

Dicoelius Haliday, 1836, Trans. Linn. Soc. Lond. 17: 325, 330; Thomson, 1869, Opusc. Ent. I: 78; 1870, loc. cit. II: 83. Incorrect spelling of *Discoelius* Latreille.

Didymogastra Perty, 1833, Delect. Animal. Artic. Brasil.: 144, genus.— Eumeninae; NT; F. Type species: *Didymogastra fusca* Perty, 1833, by monotypy. Junior subjective synonym of *Zethus* Fabricius (Bohart and Stange, 1965, Univ. Calif. Publ. Ent. 40: 25).

Diemodynerus Giordani Soika, 1962 (1961), Boll. Mus. Civ. Stor. Nat. Venezia 14: 65, 141, genus.— Eumeninae; A; M. Type species: *Odynerus diemensis* Saussure, 1853, by original designation.

Dirhynchium van der Vecht, 1963, Zool. Verh. Leiden 60: 74, 77, subgenus of *Anterhynchium* Saussure.— Eumeninae; A O P; N. Type species: *Ancistrocerus flavopunctatus* Smith, 1852, by original designation.

Discaelias Leach, 1815, "Entomology" in Edinburgh Encyclop. 9 (1): 166 (Index). Incorrect spelling of *Discoelius* Latreille.

Discaelius Leach, 1815, "Entomology" in Edinburgh Encyclop. 9 (1): 153; Eversmann, 1854, Bull. Soc. Natural. Moscou 27 (3): 200. Incorrect spelling of *Discoelius* Latreille.

Discoelius Latreille, 1809, Gen. Crust. Insect. 4: 140, subgenus of *Eumenes* Latreille.— Eumeninae; P; M. Type species: *Vespa zonalis* Panzer, 1801, by monotypy. Senior objective synonym of *Tritodiscoelius* Dalla Torre, 1904.

Note: Raised to generic rank by Latreille, 1810, Cons. Gen. Crust. Arachn. Ins.: 328.

Discollius Froggatt, 1892, Proc. Linn. Soc. N. S. W. (2) 7: 226. Incorrect spelling of *Discoelius* Latreille.

Dolichodynerus Bohart, 1939, Pan-Pacif. Ent. 15: 97, 101, subgenus of *Odynerus* Latreille.— Eumeninae; NA; M. Type species: *Odynerus turgiceps* Bohart, 1939, by original designation.

Note: Raised to generic rank by Bohart, 1948, Proc. Cal. Acad. Sci. 24: 314.

- Dolichovespula** Rohwer, 1916, Conn. State Geol. and Nat. Hist. Survey Bull. 22: 642, genus.— Vespinae; NA P; F. Type species: *Vespa maculata* Linnaeus, 1763, by original designation. Senior subjective synonym of *Pseudovespula* Bischoff, 1931, *Boreovespula* Blüthgen, 1943, and of *Metavespula* Blüthgen, 1943.
- Ectopioglossa** Perkins, 1912, Ann. Mag. Nat. Hist. (8) 9: 118, genus.— Eumeninae; A O; F. Type species: *Ectopioglossa australensis* Perkins, 1912 [= *Eumenes australensis* Meade-Waldo, 1910 = *Ectopioglossa polita australensis* (Meade Waldo)], by monotypy.
- Elimus** Saussure, 1852, Ét. Fam. Vesp. 1: 7, genus.— Eumeninae; A; M. Type species: *Elimus australis* Saussure, 1852, by monotypy.
- Elisella** Giordani Soika, 1974, Boll. Mus. Civ. Stor. Nat. Venezia 25: 109, 132, genus.— Eumeninae; E; F. Type species: *Elisella linæ* Giordani Soika, 1974, by original designation and monotypy.
- Epancistrocerus** Saussure, 1856, Ét. Fam. Vesp. 3: 352, in Errata, substitute name for *Subancistrocerus* Saussure.— Eumeninae; A O PAC; M. Type species: *Odynerus sichelii* Saussure, 1855, by subsequent designation of Bequaert, 1925, Trans. Am. Ent. Soc. 51: 61 (no. 2337 of Official List of Specific Names in Zoology). Junior objective synonym of *Subancistrocerus* Saussure, 1855.
- Epicnemius** Richards, 1973, Rev. Bras. Ent. 17: 96, 102, subgenus of *Polistes* Latreille.— Polistinae; NA NT; M. Type species: *Polistes bicolor* Lepeletier, 1836, by original designation.
- Epiodynerus** Giordani Soika, 1958 (1957), Boll. Mus. Civ. Stor. Nat. Venezia 10: 195, 209, subgenus of *Pseudepipona* Saussure.— Eumeninae; A O PAC; M. Type species: *Odynerus alecto* Lepeletier, 1841, by original designation.
- Note: Raised to generic rank by Giordani Soika, 1971, Boll. Soc. Ent. Ital. 103: 78; Giordani Soika, 1986, Boll. Mus. Civ. Stor. Nat. Venezia 35: 74, treated this taxon as a subgenus of *Anterhynchium* Saussure, 1863.
- Epipona** Latreille, 1802, Hist. Nat. Crust. Ins. 3: 364, genus (2 species).— Polistinae; NT; F. Type species: "*Epipona morio* = *Polistes morio* Fabricius = *Epipone tatua* Lepeletier" [= *Vespa tatua* Cuvier, 1797; *Vespa morio* Fabricius, 1798, is a junior subjective synonym], by subsequent designation of Blanchard, 1840, Hist. Nat. Anim. Artic. 3: 394. Senior objective synonym of *Tatua* Saussure, 1854, and senior subjective synonym of *Coloboclypeus* Brèthes, 1926.
- Epipone** Kirby and Spence, 1815, Introd. Ent. 1: 340, genus.— Eumeninae; P; F. Type species: *Vespa spinipes* Linnaeus, 1758, by monotypy. Junior objective synonym of *Odynerus* Latreille, 1802.
- Epipone** Latreille, 1804, Hist. Nat. Crust. Ins. 13: 350. Incorrect spelling of *Epipona* Latreille.
- Epiponus** Saussure, 1875, Smiths. Misc. Coll. no. 254: xxxv, 149, 360, 363, subgenus of *Odynerus* Latreille.— Eumeninae; NA P; M. Unjustified emendation of "*Epipona* Shuck." [sensu Saussure; an incorrect spelling of *Epipone* Kirby and Spence, a junior objective synonym of *Odynerus* Latreille].

Notes: 1. Saussure used this name for a subgenus of *Odynerus* Latreille as well as for a division ("proprie dicta") of that subgenus. Mention of a type species, as made in the Catalog of Hymenoptera of America North of Mexico (1951: 887; 1979: 1473) appears to be superfluous.

2. Neave (1939, Nom. Zool. 1: 268) incorrectly recorded *Epiponus* as a name for *Epipona* Latreille, 1802.

Epsilon Saussure, 1855, Ét. Fam. Vesp. 3: 229, 252, name for division III of subgenus *Leionotus* Saussure of genus *Odynerus* Latreille in Saussure, 1852, loc. cit. 1: 169 (50 + 45 species); declared available from date of publication by Opinion 893 (ICZN, 1970).— Eumeninae; A O; N (no. 1860 of Official List of Generic Names in Zoology). Type species: *Odynerus dyscherus* Saussure, 1852, by subsequent designation of van der Vecht, 1967, Bull. Zool. Nom. 24: 31; confirmed by Opinion 893 (no. 2332 of Official List of Specific Names in Zoology).

Note: Treated as the valid name for a genus in Smith and Alcock, 1980, Z. Tierpsychol. 53: 41-60.

Eremodynerus Blüthgen, 1939, Veröff. Dt. Kolon. Übersee Mus. Bremen 2: 257, genus.— Eumeninae; P; M. Type species: *Odynerus saharensis* Giordani Soika, 1934, by original designation. Subgenus of *Jucancistrocerus* Blüthgen, 1938 (Kurzenko, 1982 (1981), Hym. Far East, Acad. Sci. U.S.S.R.: 109).

Erynnis Saussure, 1853, Ann. Soc. Ent. Fr. (3) 1, Bull. II: xix, genus (2 species).— Masarinae; NT; F. Type species: *Erynnis americana* Saussure, 1853, by monotypy. Junior homonym of *Erynnis* Schrank, 1801 (Lepidoptera). Replaced by *Trimeria* Saussure, 1854.

Erinys Zirngiebl, 1953, Mitt. Pollichia (3) 1: 173, subgenus of *Eumenes* Latreille.— Eumeninae; P; M. Type species: *Vespa unguiculata* Villers, 1789, by monotypy. Junior homonym of *Erinys* Rye, 1876 (Coleoptera). Junior subjective synonym of *Delta* Saussure, 1855 (Blüthgen, 1961, Abh. Dt. Akad. Wiss. Berl., Kl. Chem., Geol. Biol. (2): 214).

Eualastor Dalla Torre, 1904, Genera Insect. 19: 60, name for subgenus *Alastor* of genus *Alastor* Lepeletier in Saussure, 1856, Ét. Fam. Vesp. 3: 328 (several species) — Eumeninae; E O P; M. Type species: *Alastor atropos* Lepeletier, 1841, by present designation. Junior objective synonym of *Alastor* Lepeletier, 1841.

Euancistrocerus Dalla Torre, 1904, Genera Insect. 19: 36, name for division II of subgenus *Ancistrocerus* Wesmael of genus *Odynerus* Latreille in Saussure, Ét. Fam. Vesp. 1: 127, 3: 209 (26 + 17 species).— Eumeninae; E NA NT P O; M. Type species: *Vespa parietum* Linnaeus, 1758, by present designation. Junior objective synonym of *Ancistrocerus* Wesmael, 1836.

Eucelonites Kostylev, 1935, Arch. Mus. Zool. Univ. Moscou 2: 112, subgenus of *Celonites* Latreille (4 species).— Masarinae; P; M. Unavailable; no type species designated.

Eucelonites Richards, 1962, Revision. Study Masarid Wasps: 214, 215, subgenus of *Celonites* Latreille.— Masarinae; E P; M. Type species: *Celonites cyprius* Saussure, by original designation. Validation by type selection of *Eucelonites* Kostylev, 1935. Junior subjective synonym of *Celonites* Latreille, 1802 (Carpenter, 1990b).

Euceramius Dalla Torre, 1904, Genera Insect. 19: 5, name for division I of *Ceramius* Latreille in Saussure, 1854, pl. 2, fig. 4, 1855: 62 (3 species).— Masarinae; E P; M. Type species: *Ceramius fonscolombi* Latreille, by present designation. Junior objective synonym of *Ceramius* Latreille, 1810.

Euchalcomenes Turner, 1908, Trans. Ent. Soc. Lond.: 90, genus.— Eumeninae; A; M. Type species: *Euchalcomenes gilberti* Turner, 1908, by original designation. Junior subjective synonym of *Eudiscoelius* Friese, 1904 (see Giordani Soika, 1943, Mem.

Soc. Ent. Ital. 22: 102).

- Eudiscoelius** Friese, 1904, Z. Syst. Hym. Dipt. 4: 16, genus.— Eumeninae; A O; M. Type species: *Eudiscoelius metallicus* Friese, 1904, by monotypy. Senior subjective synonym of *Euchalcomenes* Turner, 1908.
- Euepipona** Dalla Torre, 1904, Genera Insect. 19: 39, name for "*Epiponus* s. str., Saussure", = *Oplopus sensu* Saussure, 1852 (21 + 1 species), as a group of subgenus *Hoplomerus* Westwood of genus *Odynerus* Latreille.— Eumeninae; NA P; F. Type species: *Vespa spinipes* Linnaeus, 1758, by subsequent designation of Richards, 1937, Gen. Names Brit. Ins. 5: 128. Junior objective synonym of *Odynerus* Latreille, 1802.
- Euleptochilus** Blüthgen, 1943, in Berland, Bull. Mus. Hist. Nat. Paris (2) 15: 316, subgenus of *Leptochilus* Saussure.— Eumeninae; P; M. Type species: "*Leptochilus oraniensis* (Lepelletier)" [= *Odynerus oraniensis* Lepelletier, 1841], by original designation.
- Eumemes** Fox, 1899, Proc. Acad. Nat. Sci. Philad: 439. Incorrect spelling of *Eumenes* Latreille.
- Eumenes** Latreille, 1802, Hist. Nat. Crust. Ins. 3: 360, genus (4 species).— Eumeninae; A E NA NT O P; M. Type species: "*Eumenes coarctata* Fab." [= *Vespa coarctata* Linnaeus, 1758], by subsequent designation of Latreille, 1810, Consid. Gen. Crust. Arachn. Ins.: 438. Senior objective synonym of *Alpha* Saussure, 1855, and of *Eumenidion* Schulthess, 1913.
- Eumenestiferus** Meunier, 1888, Naturalista Sicil. 7: 300, genus.— Eumeninae; NT; M. Type species: *Eumenestiferus brasiliensis* Meunier, 1888, by monotypy. Identity uncertain. Unrecognized taxon.
- Eumenidion** Schulthess, 1913, Societas Ent. 28: 2, subgenus of *Eumenes* Latreille.— Eumeninae; A E NA NT O P; N. Type species: "*Eumenes coarctatus* L." [= *Vespa coarctata* Linnaeus, 1758], by original designation. Junior objective synonym of *Eumenes* Latreille, 1802.
- Eumenidiopsis** Giordani Soika, 1939 (1938), Mem. Soc. Ent. Ital. 17: 87, subgenus of *Leptomenes* Giordani Soika.— Eumeninae; E; F. Type species: *Leptomenes subtilis* Giordani Soika, 1939, by original designation.
Note: Treated as a genus by van der Vecht and Fischer, 1972, Hym. Cat. 8: 41.
- Eumenidium** Sharp, 1915, in Zool. Rec., Insecta for 1913: 275. Incorrect spelling of *Eumenidion* Schulthess.
- Eumenis** Kriechbaumer, 1879, Ent. Nachr. 5: 57. Unjustified emendation of *Eumenes* Latreille.
- Eumes** Bertoni, 1910, Rev. Agron. Bol. Estac. Agron. Puerto Bertoni 4: 36. Incorrect spelling of *Eumenes* Latreille.
- Eumetazumia** Willink, 1982, Bol. Acad. Nac. Cienc. 55: 14. Incorrect spelling of *Eumontezumia* Dalla Torre.
- Eumicrodynerus** Gusenleitner, 1972, NachrBl. Bayer. Ent. 21: 74, subgenus of *Microdynerus*.— Eumeninae; P; M. Type species: *Leptomenes europaeus* Giordani Soika, 1942, by original designation and monotypy.
Note: Raised to generic rank by Gusenleitner, 1976, Linzer Biol. Beitr. 8/2: 357.
- Eumontezumia** Dalla Torre, 1904, Genera Insect. 19: 27, name for division *Montezumia* "propr. dict." of genus *Montezumia* Saussure in Saussure, 1875, Smiths. Misc.-Coll. 254: 117 (18 species).— Eumeninae; NA NT; F. Type species: *Montezumia*

rufidentata Saussure, 1852, by present designation. Junior objective synonym of *Montezumia* Saussure, 1852.

Eunortonia F. Carpenter, 1985, *Psyche* 92: 576, genus, replacement name for *Pseudonortonia* Timon-David, 1944, *non* Giordani Soika, 1936.— Eumeninae; P; F. Type species: *Pseudonortonia sepulta* Timon-David, 1944, by original designation as type species of *Pseudonortonia* Timon-David. Fossil taxon from the Lower Oligocene.

Euodynerus Dalla Torre, 1904, *Genera Insect.* 19: 38, name for section II of division III of subgenus *Leionotus* of genus *Odynerus* Latreille in Saussure, 1853, *Ét. Fam. Vesp.* 1: 177 (40 species); declared available from date of publication by Opinion 893 (ICZN, 1970). (no. 1873 of Official List of Generic Names in Zoology). Type species: *Vespa dantici* Rossi, 1790, by subsequent designation of Blüthgen, 1938 (1937), *Konowia* 16:277; confirmed by Opinion 893 (no. 2331 of Official List of Specific Names in Zoology).

Note: Raised to generic rank by Blüthgen, 1938 (1937), *Konowia* 16: 277, who attributed authorship to himself.

Euparagia Cresson, 1879, *Proc. Acad. Nat. Sci. Philad. (Ent. Sect.)* 6: VI, genus.— Euparagiinae; NA; F. Type species *Euparagia scutellaris* Cresson, 1879, by monotypy. Senior subjective synonym of *Plesiomasaris* Cameron, 1904.

Eupolistes Dalla Torre, 1904, *Genera Insect.* 19: 68, name for "Premiere division" of *Polistes* Latreille in Saussure, 1853, *Ét. Fam. Vesp.* 2: 45 (61 species).— Polistinae; A E N A N T O P PAC; M. Type species: *Vespa gallica* Linnaeus, 1767, *Syst. Nat. Ed.* 12, I (2): 949, by subsequent designation of Richards, 1973, *Rev. Bras. Ent.* 17 (13): 86. Junior objective synonym of *Polistes* Latreille, 1802.

Eupolybia Dalla Torre, 1904, *Genera Insect.* 19: 76, name for subgenus *Polybia* of genus *Polybia* Lepeletier in Saussure, 1854, *Ét. Fam. Vesp.* 2: 167 (53 species).— Polistinae; NA NT; F. Type species: *Polistes liliacea* Fabricius, 1804, by subsequent designation of Richards, 1978, *Soc. Wasps Am.*: 33, 46. Junior objective synonym of *Polybia* Lepeletier, 1836.

Eurrhynchium Dalla Torre, 1904, *Genera Insect.* 19: 33, name for division II of *Rhynchium* Spinola in Saussure, 1852, *Ét. Fam. Vesp.* 1: 105.— Eumeninae; A E O P; N. Type species: *Vespa oculata* Fabricius, 1781, by present designation. Junior objective synonym of *Rhynchium* Spinola, 1806.

Eurynnis Dalla Torre, 1894, *Cat. Hym.* 9: 4. Incorrect spelling of *Erynnis* Saussure, 1853.

Eustenancistrocerus Blüthgen, 1938, *Dt. Ent. Z.*: 443, 460 subgenus of "*Stenancistrocerus* Saussure" *sensu* Blüthgen.— Eumeninae; P; M. Type species: *Odynerus blanchardianus* Saussure, 1855, by original designation.

Note: Raised to generic rank by Blüthgen, 1951, *Mitt. Münch. Ent. Ges.* 41: 173. In 1953, *Mem. Estud. Mus. Zool. Univ. Coimbra* 218: 8, this author treated *Eustenancistrocerus* as a subgenus of *Parastenancistrocerus* Blüthgen, 1938, however Giordani Soika, 1952, *Boll. Soc. Veneziana Stor. Nat.* 6: 33, had already selected *Eustenancistrocerus* as the valid name for the single taxon.

Eustenogaster van der Vecht, 1966, *in Nature and Life in S. E. Asia* 6: 165, genus.— Stenogastrinae; O; F. Type species: *Ischnogaster micans* Saussure, 1852, by original designation. Junior subjective synonym of *Paravespa* Bell, 1936, *non* Radoszkowski, 1886. **Syn. nov.**

Eusynagris Dalla Torre, 1904, *Genera Insect.* 19: 30, name for division I of *Synagris*

- Latreille in Saussure, 1852, Et. Fam. Vesp. 1: 79 and Saussure, 1863, Mém. Soc. Phys. Hist. Nat. Genève 17: 179, group of *Synagris* or genus.— Eumeninae; E; F. Type species: *Vespa cornuta* Linnaeus, 1758, by monotypy. Junior objective synonym of *Synagris* Latreille, 1802.
- Euzethus* Dalla Torre, 1904, Genera Insect. 19: 14, name for division I of genus *Zethus* in Saussure, 1852, Ét. Fam. Vesp. 1: 9 (11 species).— Eumeninae; A E NA NT O; M. Type species: *Vespa coeruleopennis* Fabricius, 1798, by present designation. Junior objective synonym of *Zethus* Fabricius, 1804.
- Flammodynerus* Giordani Soika, 1962 (1961), Boll. Mus. Civ. Stor. Nat. Venezia 14: 65, 124, genus.— Eumeninae; A; M. Type species: *Odynerus subalaris* Saussure, 1855, by original designation.
- Formicicola* Richards, 1978, Soc. Wasps Am.: v, 35, 121, subgenus of *Polybia* Lepeletier.— Polistinae; NT; M. Type species: *Vespa rejecta* Fabricius, 1798, by original designation and monotypy.
- Furnariana* Richards, 1978, Soc. Wasps Am.: v, 35, 120, subgenus of *Polybia* Lepeletier.— Polistinae; NT; F. Type species: *Polybia furnaria* R. von Ihering, 1904, by original designation and monotypy.
- Fuscopolistes* Richards, 1973, Rev. Bras. Ent. 17: 91, 95, 100, subgenus of *Polistes* Latreille.— Polistinae; NA NT (P) (PAC); M. Type species: *Vespa fuscata* Fabricius, 1793, by original designation.
- Gamma* Zavattari, 1912, Arch. Naturgesch. 78A (4): 85, division of genus *Eumenes* Latreille (4 species).— Eumeninae; NT; N. Type species: *Pachymenes ventricosa* Saussure, 1852, by subsequent designation of Bequaert (1926, Ann. S. Afr. Mus. 23: 486).
- Note: Raised to generic rank by Giordani Soika, 1978, Boll. Mus. Civ. Stor. Nat. Venezia 29: 16.
- Gastrodynerus* Bohart, 1984, Pan-Pacif. Ent. 60: 12, genus.— Eumeninae; NA NT; M. Type species: *Stenodynerus vanduzeei* Bohart, 1948, by original designation.
- Gayella* Spinola, 1851, in Gay, Hist. Fis. Polit. Chile, 6: 328, genus.— Masarinae; NT; F. Type species: *Gayella eumenoides* Spinola, 1851, by monotypy.
- Gazella* Reed, 1894, Proc. Zool. Soc. Lond. 1893: 685. Incorrect spelling of *Gayella* Spinola.
- Gastrodynerus* Giordani Soika, 1961 (1960), Atti Soc. Ital. Sci. Nat. and Mus. Civ. Stor. Nat. Milano 99: 361, 369, subgenus of *Paravespa* Radoszkowski.— Eumeninae; E; M. Type species: *Rygchium gestroi* Magretti, 1884, by original designation.
- Note: Treated as a genus by Giordani Soika, 1987, Boll. Mus. Civ. Stor. Nat. Venezia 37: 151, a course we do not accept.
- Ghilarocheilus* Kurzenko, 1988, Horae Soc. Ent. Unionis Sov. 70: 96, 100, subgenus of *Onychopterocheilus* Blüthgen.— Eumeninae; P; M. Type species: *Pterochilus turovi* Kostylev, 1937, by original designation.
- Gioiella* Giordani Soika, 1985, Boll. Mus. Civ. Stor. Nat. Venezia 34: 30, 155, genus.— Eumeninae; E; F. Type species: *Odynerus katonai* Schulthess, 1913, by original designation.
- Globodynerus* Giordani Soika, 1987, Boll. Mus. Civ. Stor. Nat. Venezia 36: 173, genus.— Eumeninae; E; M. Type species: *Globodynerus globosus* Giordani Soika, 1987, by original designation and monotypy.
- Gnatho* Klug, 1810, Mag. Ges. Naturf. Fr. Berl. 4: 36, genus.— Masarinae; E; M. Type

species: *Gnatho lichtensteinii* Klug, 1810, by monotypy. Junior homonym of *Gnatho* Illiger, 1807 (Coleoptera). Junior subjective synonym of *Ceramius* Latreille, 1810 (Klug, 1825, Ent. Monogr.: 225).

Gribodia Zavattari, 1912, Arch. Naturgesch. 78A (4): 161, genus.— Eumeninae; O; F. Type species: *Monobia cavifrons* Gribodo, 1891 [= *Odynerus confluentus* Smith, 1857], by monotypy.

Guatho Hagen, 1862, Bibl. Ent. I: 422. Incorrect spelling of *Gnatho* Klug.

Gymnomerus Blüthgen, 1938 (1937), Konowia 16: 286, subgenus of "*Hoplomerus* (Westwood) Agassiz" [= *Odynerus* Latreille].— Eumeninae; P; M. Type species: "*Epipone laevipes* Shuckard" [= *Odynerus laevipes* Shuckard, 1837], by original designation.

Note: Raised to generic rank by Blüthgen (1938, Dt. Ent. Z.: 453, 462).

Gymnopolybia Ducke, 1914, Zool. Jahrb. (Syst.) 36: 317, 327, genus (10 species).— Polistinae; NT; F. Type species: *Polybia vulgaris* Ducke, 1904 [= *Vespa fulvofasciata* DeGeer, 1773], by subsequent designation of Richards, 1943, Proc. R. Ent. Soc. Lond. (B) 12: 45. Junior subjective synonym of *Agelaia* Lepeletier, 1836, and of *Stelopolybia* Ducke, 1910 (see Carpenter and Day, 1988, Proc. Ent. Soc. Wash. 90: 327).

Gyrostoma Kirby and Spence, 1828, Introd. Ent. Ed. 5 (of whole work), Ed. 2 (of vol. III): 36, 631, replacement name for *Cyclostoma* Kirby and Spence, 1826, non Lamarck, 1799.— Polistinae; O P; N. Type species: *Gyrostoma* Kirby and Spence, 1826, by monotypy as type species of *Cyclostoma* Kirby and Spence. Subgenus of *Polistes* Latreille, 1802 (Richards, 1973, Rev. Bras. Ent. 17: 93, 99).

Notes: 1. The following references in Dalla Torre, 1894, Cat. Hym. 9, are incorrect: p. 122: *Cyclostoma*, Introd. Ent. 5a III, 1838, p. 631; *Gyrostoma*, loc. cit. p. 633.

2. The existence of the specific name *gigas* was overlooked both by Dalla Torre and by Saussure, 1851, Ét Fam. Vesp. 2: 104; the latter author used the names "*P. Gyrostoma*, n. sp. with synonym *Gyrostoma orientalis*", but the synonym was crossed out as being unpublished (Errata, loc. cit.: 255).

Haplometrobis Richards, 1978, Soc. Wasps Am.: vi, 17, 274, 389, subgenus of *Mischocyttarus* Saussure.— Polistinae; NT; M. Type species: *Mischocyttarus iheringi* Zikàn, 1935, by original designation.

Hemipterochilus Ferton, 1909 (1908), Ann. Soc. Ent. Fr. 77: 572, subgenus of *Pterochilus* (!) Klug.— Eumeninae; P; M. Type species: *Odynerus* (*Epipona*) *terricola* Mocsáry, 1883 [= *Hemipterochilus bembeciformis terricola*], by monotypy. Senior synonym of *Pseudopterochilus* van der Vecht, 1972, q. v.

Notes: 1. The reference given by Neave (1939, Nom. Zool. 2: 611) "Ann. Soc. Ent. Fr. 78: 419" is incorrect.

2. Raised to generic rank by Blüthgen, 1961, Abh. Dt. Akad. Wiss. Berl., Kl. Chem., Geol. Biol. (2): 232, who incorrectly accepted Bohart, 1940, as the author of the genus (see van der Vecht, 1966, Ent. Ber. Amst. 26: 162).

Hemistenancistrocerus Blüthgen, 1938, Dt. Ent. Z.: 443, 459, subgenus of "*Stenancistrocerus* Saussure" sensu Blüthgen [= *Eustenancistrocerus* Blüthgen].— Eumeninae; P; M. Type species: "*Leptochilus parvulus* Saussure, 1853 (*Odynerus pharao* Saussure)" [= *Odynerus pharao* Saussure, 1863], by original designation. Subgenus of *Eustenancistrocerus* Blüthgen, 1938 (Giordani Soika, 1952, Boll. Soc. Veneziana Stor. Nat. 6: 33).

Note: The specific name *parvulus* Saussure, 1853, is a rejected junior secondary homonym of *Odynerus parvulus* (Herrich-Schaeffer, 1838), now regarded as belonging to the subgenus *Pseudomicrodynerus* Blüthgen.

Heros Saussure, 1855, Ét. Fam. Vesp. 3: 115, division of genus *Zethus* Fabricius.— Eumeninae; NT; M. Type species: *Zethus gigas* Spinola, 1841 [= *Vespa coeruleopennis* Fabricius, 1798], by monotypy. Junior homonym of *Heros* Haeckel, 1840 (Pisces). Junior synonym of *Zethus* Fabricius (Bohart and Stange, 1965, Univ. Calif. Publ. Ent. 40: 25).

Holischnogaster van der Vecht, 1977, Tijdschr. Ent. 120: 60, 70, genus.— Stenogastrinae; O; F. Type species: *Holischnogaster gracilipes* van der Vecht, 1977, by original designation and monotypy. Junior subjective synonym of *Parischnogaster* Schulthess, 1914 (Carpenter, 1988, J. New York Ent. Soc. 96: 169).

Holopticus Bradley, 1922, Univ. California Publ., Ent. 1: 414, subgenus of *Pseudomasaris* Ashmead.— Masarinae; NA; M. Type species: *Masaris texanus* Cresson, 1871, by original designation. Junior subjective synonym of *Pseudomasaris* Ashmead, 1902 (Richards, 1962, Revision. Study Masarid Wasps: 277).

Hoplomerus Agassiz, 1846, Nom. Zool., Index Univ.: 185. Unjustified emendation of *Oplomerus* Westwood, 1840.

Hoplonus Dalla Torre, 1889, Ent. Almanach: 11. Incorrect spelling of *Hoplopus* Agassiz.

Hoplopus Agassiz, 1846, Nom. Zool., Index Univ.: 186. Unjustified emendation of *Oplopus* Wesmael, 1836. Junior homonym of *Hoplopus* Laporte, 1832 (Coleoptera).

Hylodynerus Gusenleitner, 1988, Linzer Biol. Beitr. 20: 180, used as generic name in the combination "*Hylodynerus* (VDV.i.sch.) *g. guttulatus* (SAUSSURE 1862)".— Eumeninae; O; M. Unavailable under Article 13(a)(i) of the Code.

Note: The author used this generic name, without giving any characters differentiating the taxon, in a faunal list, without checking whether it had been published.

Hymenosmithia Dalla Torre, 1904, Genera Insect. 19: 11, 61, genus, replacement name for *Smithia* Saussure, 1855, non Edwards and Haime, 1851.— Eumeninae; E; F. Type species: *Smithia natalensis* Saussure, 1855, by monotypy as type species of *Smithia* Saussure. Junior subjective synonym of *Micreumenes* Ashmead, 1902 (Giordani Soika, 1979, Boll. Mus. Civ. Stor. Nat. Venezia 30: 276).

Hypagris Saussure, 1855, Ét. Fam. Vesp. 3: 157, name for division III of genus *Synagris* Latreille in Saussure, 1852, loc. cit. 2: 86 (1 + 1 species).— Eumeninae; E; F. Type species: *Synagris abdominalis* Saussure, 1855 [= *Synagris analis* Saussure, 1852], by subsequent designation of Ashmead, 1902, Can. Ent. 34: 210.

Note: Subjective synonym of *Paragris* Saussure, 1855; rejected by Maidl, 1914, Denkschr. Akad. Wiss., Wien, Math-Naturw. Kl. 91: 252, acting as first reviser.

Hypalasteroides Zavattari, 1912, Arch. Naturgesch. 78A (4): 253, 255. Incorrect spelling of *Hypalastoroides* Saussure.

Hypalastor Saussure, 1856, Ét. Fam. Vesp. 3: 328, division of subgenus *Alastor* of genus *Alastor* Lepeletier (3 species); declared available from date of publication by Opinion 893 (ICZN, 1970).— Eumeninae; NT; M (no. 1861 of Official List of Generic Names in Zoology). Type species: *Alastor angulicollis* (Spinola) [= *Odynerus angulicollis* Spinola, 1851], by subsequent designation of van der Vecht, 1967, Bull. Zool. Nom. 24: 31; confirmed by Opinion 893 (no. 2322 of Official List

of Specific Names in Zoology).

Note: Subjective synonym of *Hypalastoroides* Saussure, 1856; rejected by Giordani Soika, 1960 (1958), Boll. Mus. Civ. Stor. Nat. Venezia 11: 35, acting as first reviser.

Hypalastoroides Saussure, 1856, Ét. Fam. Vesp. 3: 328, division of subgenus *Alastoroides* Saussure of genus *Alastor* Lepeletier; declared available from date of publication by Opinion 893 (ICZN, 1970).— Eumeninae; NA NT; M (no. 1862 of Official List of Generic Names in Zoology). Type species: *Alastor brasiliensis* Saussure, 1856, by monotypy (no. 2326 of Official List of Specific Names in Zoology).

Note: Subjective synonym of *Hypalastor* Saussure, 1856, which was rejected by Giordani Soika, 1960 (1958), Boll. Mus. Civ. Stor. Nat. Venezia 11: 35, acting as first reviser when he raised *Hypalastoroides* to generic rank.

Hypancistroceroides Saussure, 1856, Ét. Fam. Vesp. 3, Table des Matières: 8. Incorrect spelling of *Hypancistrocerus* Saussure.

Hypancistrocerus Saussure, 1855, Ét. Fam. Vesp. 3: 222, division of subgenus *Ancistrocerus* Wesmael of genus *Odynerus* Latreille; declared available from date of publication by Opinion 893 (ICZN, 1970).— Eumeninae; NT; M (no. 1863 of Official List of Generic Names in Zoology). Type species: *Odynerus advena* Saussure, 1855, by monotypy (no. 2321 of Official List of Specific Names in Zoology).

Note: Raised to generic rank by Giordani Soika, 1973, Boll. Mus. Civ. Stor. Nat. Venezia 24: 100.

Hypancystrocerus Dalla Torre, 1894, Cat. Hym. 9: 50. Incorrect spelling of *Hypancistrocerus* Saussure.

Hypochartergus Zavattari, 1906, Boll. Musei Zool. Anat. Comp. R. Univ. Torino 21 (529): 6, genus.— Polistinae; NT; M. Type species: *Hypochartergus carinatus* Zavattari, 1906, by monotypy. Junior subjective synonym of *Charterginus* Fox, 1898 (Richards, 1978, Soc. Wasps Am.: 127).

Hypodernus Cameron, 1908, Trans. Am. Ent. Soc. 34: 199, 200, in the combination "*Odynerus (Hypodernus) longipilosus* Cam. 1908". Incorrect spelling of *Hypodynerus* Saussure.

Note: Bohart, 1951, in Muesebeck *et al.*, Synopt. Cat. Hym. Am. N. Mex.: 892, treated *Hypodernus* as a new, monotypic, genus and placed it in the synonymy of *Ancistrocerus* Wesmael. In 1965 (Pan-Pacif. Ent. 41: 110), after examination of the type, he listed "*Odynerus longipilosus*" as a synonym of *Ancistrocerus catskill albo-phaleratus* (Saussure, 1855).

Hypodynerus Saussure, 1855, Ét. Fam. Vesp. 3: 225, 250, name for division II of subgenus *Leionotus* Saussure of genus *Odynerus* Latreille in Saussure, 1852, *loc. cit.* 1: 166 (14 + 3 species); declared available from date of publication by Opinion 893 (ICZN, 1970).— Eumeninae; NT; M (no. 1864 of Official List of Generic Names in Zoology). Type species: *Odynerus humeralis* Haliday, 1836, by subsequent designation of Bequaert and Ruiz, 1943 (1941), Rev. Chil. Hist. Nat. 45: 69; confirmed by Opinion 893 (no. 2335 of Official List of Specific Names in Zoology). Senior subjective synonym of *Araucodynerus* Willink, 1968. **Syn. nov.**

Note: Raised to generic rank by Bequaert and Ruiz, 1943 (1941), *loc. cit.*: 69.

Hypopolybia Richards, 1978, Soc. Wasps Am.: v, 34, 52, subgenus of *Polybia* Lepeletier.— Polistinae; NT; F. Type species: *Polybia bifasciata* Saussure, 1854, by original designation. Junior objective synonym of *Alpha* Saussure, 1854.

- Icaria** Saussure, 1853, Et. Fam. Vesp. 2: 22, pls. 4 and 5, genus (20 species).— Polistinae; A E O; F. Type species: "*I. maculiventris* (Guer.)" [= *Ropalidia maculiventris* Guérin, 1831], by subsequent designation of Bingham, 1897, Fauna Brit. India, Hym. 1: 385. Junior objective synonym of *Ropalidia* Guérin, 1831.
- Icariastrum** Dalla Torre, 1904, Genera Insect. 19: 72, name for group I of genus *Icaria* Saussure in Saussure, 1862, Stettin. Ent. Ztg. 23: 132 (5 species).— Polistinae; O; N. Type species: *Icaria opulenta* Smith, 1857, by subsequent designation of Meade-Waldo, 1913, Ann. Mag. Nat. Hist. (8) 11: 46. Junior subjective synonym of *Anthreneida* White, 1841, a subgenus of *Ropalidia* Guérin, 1831 (van der Vecht 1962, Zool. Verh. Leiden 57: 3, 5).
- Icarielia** Dalla Torre, 1904, Genera Insect. 19: 72, name for group II of genus *Icaria* Saussure in Saussure, 1862, Stettin. Ent. Ztg. 23: 132 (9 species).— Polistinae; A O; F. Type species: *Icaria flavopicta* Smith, 1857, by subsequent designation of Meade-Waldo, 1913, Ann. Mag. Nat. Hist. (8) 11: 46. Subgenus of *Ropalidia* Guérin, 1831 (Meade-Waldo, 1912, Ann. Mag. Nat. Hist. (8) 9: 451).
- Icariella** Dalla Torre, 1904, Genera Insect. 19, Index: 96. Incorrect spelling of *Icarielia* Dalla Torre.
 Note: Richards, 1978, Austr. J. Zool., Suppl. Ser. 61: 59, remarked that *Icariella* is "doubtless" the original spelling, but considered it too late to change the spelling accepted by previous authors.
- Icariola** Dalla Torre, 1904, Genera Insect. 19: 72, name for group III of genus *Icaria* Saussure in Saussure, 1862, Stettin. Ent. Ztg. 23: 133 (11 species).— Polistinae; A E O; F. Type species: *Icaria gregaria* Saussure, 1853, by subsequent designation of Meade-Waldo, 1913, Ann. Mag. Nat. Hist. (8) 11: 46. Senior objective synonym of *Zuba* Richards, 1978. Subgenus of *Ropalidia* Guérin, 1831 (Meade-Waldo, 1913, Ann. Mag. Nat. Hist. (8) 11: 46).
- Icharia** Gribodo, 1892 (1891), Boll. Soc. Ent. Ital. 23: 243. Incorrect spelling of *Icaria* Saussure.
- Incodynerus** Willink, 1968 (1967), Acta Zool. Lilloana 22: 143, 148, genus.— Eumeninae; NT; M. Type species: *Odynerus romandinus* Saussure, 1853, by original designation.
- Iota** Saussure, 1854, Ét. Fam. Vesp. 2: 174, division II of subgenus *Polybia* of genus *Polybia* Lepeletier (12 species); at plates 22 and 24: division of genus *Polybia*.— Polistinae; NT; N. Type species: "*Polybia liliacea* (F.)" [= *Polistes liliacea* Fabricius, 1804], by subsequent designation of Richards, 1978, Soc. Wasps Am.: 33, under Article 67(f) of the Code. Junior objective synonym of *Polybia* Lepeletier, 1836.
- Iota** Richards, 1978, Social Wasps Am.: 33, 46, in synonymy of *Polybia* Lepeletier. Unjustified emendation of *Iota* Dalla Torre, 1894. Unavailable under Article 11(e) of the Code. Junior homonym of *Iota* Saussure, 1854.
- Ischnocoelia** Perkins, 1908, Proc. Hawaii. Ent. Soc. 2: 28, 32, genus.— Eumeninae; A; F. Type species: *Ischnocoelia xanthochroma* Perkins, 1908, by monotypy. Senior subjective synonym of *Stenolabus* Schulthess, 1910.
- Ischnogaster** Guérin, 1838, in Duperrey, Voyage de la Coquille, Zool. 2 (1): 268.— Stenogastrinae; A; F. Unnecessary replacement name for *Stenogaster* Guérin, 1831, thought to be preoccupied by *Stenogaster* Solier, 1835 (Coleoptera). Junior objective synonym of *Stenogaster* Guérin, 1831.
- Ischnogasteroides** Magretti, 1884 (1883), Boll. Soc. Ent. Ital. 15: 251; 1884, Ann. Mus.

Civ. Stor. Nat. Genova 21: 603, genus.— Eumeninae; E P; M. Type species: *Ischnogasteroides flavus* Magretti, 1884 [= *I. leptogaster flavus*], by monotypy.

Note: It is uncertain which of these two papers was published first.

Iucancistrocerus Blüthgen, 1951, Mitt. Münch. Ent. Ges. 41: 174. Incorrect spelling of *Jucancistrocerus* Blüthgen.

Jota Dalla Torre, 1894, Cat. Hym. 9: 161; 1904, Genera Insect. 19: 76. Unjustified emendation of *Iota* Saussure, 1854.

Juartinia Cameron, 1904, Z. Syst. Hym. Dipt. 4: 89. Incorrect spelling of *Quartinia* André.

Jucancistrocerus Blüthgen, 1938, Dt. Ent. Z.: 442, 460, subgenus of "*Stenancistrocerus* Saussure" *sensu* Blüthgen [= *Eustenancistrocerus* Blüthgen].— Eumeninae; P; M. Type species: *Odynerus (Ancistrocerus) jucundus* Mocsáry, 1883, by monotypy.

Note: Raised to generic rank by Blüthgen, 1951, Mitt. Münch. Ent. Ges. 41: 174 (as *Iucancistrocerus*!).

Juguartia Gusenleitner, 1973, Boll. Mus. Civ. Stor. Nat. Venezia 24: 68. Incorrect spelling of *Jugurtia* Saussure.

Jugurthia André, 1886, Spec. Hym. Europ. Alg. II, Cat. Method.: 47. Incorrect spelling of *Jugurtia* Saussure.

Jugurthia Dalla Torre, 1894, Cat. Hym. 9: 5; E. Saunders, 1905, Trans. Ent. Soc. Lond.: 399. Unjustified emendation of *Jugurtia* Saussure, 1854.

Jugurtia Saussure, July 1854, Ét. Fam. Vesp. 3: 19, 37, 42-44, generic and specific characters of *J. numidica* and *J. oraniensis*; pl. 1, fig. 4, antenna of *J. oraniensis*; genus.— Masarinae; E P; F. Type species: *Celonites oraniensis* Lepeletier, 1841, by subsequent designation of Ashmead, 1902, Can. Ent. 34: 220. Senior subjective synonym of *Masariella* Brauns, 1905, *Ceramiellus* Schulthess, 1922, and of *Masarina* Richards, 1962.

Note: Richards, 1962, Revision. Study Masarid Wasps: 249, when stating that the genus was established for *J. numida* Saussure in October, 1854, overlooked that *J. oraniensis* was included in July, 1854, and also that *J. numidica* is the correct spelling for *J. numida* (a junior subjective synonym of the type species).

Jujurtha Ashmead, 1902, Can. Ent. 34: 220. Incorrect spelling of *Jugurtia* Saussure.

Kalliepipona Giordani Soika, 1952, Riv. Biol. Colon. 11: 81, (footnote), subgenus of *Pseudepipona* Saussure.— Eumeninae; E; F. Type species: "*Odynerus radialis* (Saussure)" [= *Rhynchium radiale* Saussure, 1855], by original designation. Junior subjective synonym of *Antodynerus* Saussure, 1855 (Giordani Soika, 1965, Boll. Soc. Ent. Ital. 94: 47).

Kappa Saussure, 1854, Ét. Fam. Vesp. 2: 200, division V of subgenus *Polybia* of genus *Polybia* Lepeletier (8 species); at pl. 25: division of genus *Polybia*.— Polistinae; NT; N. Type species: *Polybia injucunda* Saussure, 1854, by subsequent designation of Bequaert, 1933, Entomologica Am. 13: 112. Subgenus of *Mischocyttarus* Saussure, 1853 (Richards, 1941, Proc. Ent. Soc. Lond. (B) 10: 125).

Notes: 1. The reference to the type species in Richards, 1978, Soc. Wasps Am.: 302, is incorrect and apparently confused with that of *M. metathoracicus* (Saussure); it should be: *Polybia injucunda* Saussure, 1854: 200, pl. 25, fig. 8. The type locality is Pará (Brazil), not Cayenne. See Richards (1983, Errata et Addenda Soc. Wasps Am.).

2. Richards, 1978, *loc. cit.*: 33, ascribed the authorship of this subgenus to Be-

quaert, but this was not in agreement with the revised Article 11(f)(ii) of the Code (1974, Bull. Zool. Nom. 31 (2): 79), nor with Article 10(e) of the present Code. See Carpenter and Day (1988, Proc. Ent. Soc. Wash. 90: 323-328).

Katamenes Meade-Waldo, 1910, Ann. Mag. Nat. Hist. (8) 5: 46, genus.— Eumeninae; E? O? P; M. Type species: *Katamenes watsoni* Meade-Waldo, 1910, by monotypy.

Knemodynerus Blüthgen, 1940, Ent. Tidskr. 61: 43, subgenus of "*Euodynerus* Blüthgen" [= *Euodynerus* Dalla Torre].— Eumeninae; E O P; M. Type species: *Odynerus* (*Lionotus*) *excellens* Perez, 1907, by original designation.

Note: Treated as a genus by Carpenter, 1986, Psyche 93: 73.

Koptodynerus Blüthgen, 1943, Stettin. Ent. Ztg. 104: 152, subgenus of "*Odynerus* Latreille" *sensu* Blüthgen [= *Symmorphus* Wesmael].— Eumeninae; P; M. Type species: *Symmorphus declivis* Harttig, 1932, by monotypy. Junior subjective synonym of *Symmorphus* Wesmael, 1836 (Cumming and van der Vecht, 1986, Ent. Ber. Amst. 46: 28).

Labochilus Blüthgen, 1939, Mitt. Ent. Ges. Halle 17: 12, genus.— Eumeninae; P; M. Type species: *Pterochilus linguarius* E. Saunders, 1905, by monotypy. Senior objective synonym of *Leptopterocheilus* Giordani Soika, 1953.

Laboides Zavattari, 1912, Arch. Naturgesch. 78A (4): 65, division of genus *Zethus* Fabricius (2 species).— Eumeninae; NT; M. Type species: *Labus sichelianus* 1875, by subsequent designation of Bohart and Stange, 1965, Univ. Calif. Publ. Ent. 40: 25. Junior subjective synonym of *Zethus* Fabricius, 1804; junior objective synonym of *Wettsteinia* Dalla Torre, 1904 (Bohart and Stange, 1965, *loc. cit.*: 25).

Labus Saussure, 1867, Reise Novara, Zool. 2 (1): 3, genus (2 species).— Eumeninae; O; M. Type species: *Labus spiniger* Saussure, 1867, by subsequent designation of Bingham, 1897, Fauna Brit. India, Hym. 1: 348.

Laevimenes Giordani Soika, 1978, Boll. Mus. Civ. Stor. Nat. Venezia 29: 11, 359, genus.— Eumeninae; NT; M. Type species: *Eumenes laevigatus* Brèthes, 1906, by original designation.

Larastoroides Giordani Soika, 1982 (1981), Boll. Mus. Civ. Stor. Nat. Venezia 32: 33, 40, subgenus of *Hypalastoroides* Saussure.— Eumeninae; NT; M. Type species: *Hypalastoroides costaricensis* Giordani Soika, 1960, by original designation.

Leionotus Saussure, 1852, Ét. Fam. Vesp. 1: 121 (in key to 4 subgenera), March 1853, *loc. cit.*: 151, subgenus of *Odynerus* Latreille (86 species).— Eumeninae; NA P; M. Type species: *Odynerus foraminatus* Saussure, 1853, by subsequent designation of Bohart, 1951, in Muesebeck *et al.*, Synopt. Cat. Hym. Am. N. Mex.: 887. Junior homonym of *Leionotus* Kirby and Spence, 1828 (Coleoptera). Senior subjective synonym of *Pareuodynerus* Blüthgen, 1938, a subgenus of *Euodynerus* Dalla Torre (see Carpenter, 1986, Psyche 93: 70).

Notes: 1. In October 1855 Saussure noted that his *Leionotus* was preoccupied by *Leionotus* Kirby and Spence, and proposed to regard the species listed by him in *Leionotus* as members of the nominate subgenus *Odynerus*.

2. Ashmead (1902, Can. Ent. 34: 209) selected *Odynerus humeralis* Haliday, 1836, as the type species, but this nominal species was not originally included, and Ashmead did not mention that in 1855 Saussure synonymized it with the originally included *O. chiliensis* Lepeletier, 1841.

Leipomeles Möbius, 1856, Abh. Naturw. Ver. Hamburg 3: 145, genus.— Polistinae; NT; M. Type species: *Leipomeles lamellarius* Möbius, 1856 [= *Polistes dorsata*

- Fabricius, 1804], by monotypy.
- Lejonotus* Costa, 1882, Atti R. Accad. Sci. Fis. Mat. Napoli 9: 37. Incorrect spelling of *Leionotus* Saussure.
- Leontiniella* Brèthes, 1903 (Sept.), An. Mus. Nac. B. Aires 9: 265, genus.— Eumeninae; NT; F. Type species: *Leontiniella argentina* Brèthes, 1903, by monotypy. Junior subjective synonym of *Plagiolabra* Schulthess, (March) 1903 (Brèthes, 1906, An. Mus. Nac. B. Aires 13: 341).
- Leptepipona* Blüthgen, 1951, Mitt. Münch. Ent. Ges. 41: 171, 194, subgenus of *Pseud-epipona* Saussure.— Eumeninae; P; F. Type species: "*Pseudepipona tripunctata* (Fabricius)" [= *Vespa tripunctata* Fabricius, 1787], by original designation. Junior subjective synonym of *Pseudepipona* Saussure, 1856 (Giordani Soika, 1958 (1957), Boll. Mus. Civ. Stor. Nat. Venezia 10: 129).
- Leptmenes* Giordani Soika, 1973, Boll. Mus. Civ. Stor. Nat. Venezia 24: 35. Incorrect spelling of *Leptomenes* Giordani Soika.
- Leptochiloides* Bohart, 1940, Ann. Ent. Soc. Am. 33: 165, genus.— Eumeninae; NA; M. Type species: *Leptochiloides utahensis* Bohart, 1940, by original designation.
- Leptochilus* Saussure, 1853, Ét. Fam. Vesp. 1: 233, genus (8 species).— Eumeninae; NA NT O P; M. Type species: *Pterochilus mauritanus* (!) [= *Pterochilus mauritanicus* Lepeletier, 1841], by subsequent designation of Ashmead, 1902, Can. Ent. 34: 209. Senior subjective synonym of *Zendalia* Robertson, 1928.
- Leptodynerus* Blüthgen, 1938, Dt. Ent. Z.: 448, 457, genus.— Eumeninae; P; M. Type species: *Leptodynerus biskrensis* Blüthgen, 1938, by original designation and monotypy.
- Leptomenes* Giordani Soika, 1939 (1938), Mem. Soc. Ent. Ital. 17: 87, genus.— Eumeninae; E; M. Type species: *Pachymenes congensis* Bequaert, 1918 [= *Odynerus eumenoides* Smith, 1857], by original designation.
- Leptomenoides* Giordani Soika, 1962 (1961), Boll. Mus. Civ. Stor. Nat. Venezia 14: 64, 171, genus.— Eumeninae; A; M. Type species: *Leptomenoides placidiior* Giordani Soika, 1962, by original designation.
- Leptomicrodynerus* Giordani Soika, 1985, Lavori Soc. Ven. Sci. Nat. 10: 37, genus.— Eumeninae; P; M. Type species: *Leptomicrodynerus tieshengi* Soika, 1985, by original designation and monotypy.
- Leptopolistes* Blüthgen, 1943, Arch. Naturgesch., N. F. 12(1): 99, 121, subgenus of *Polistes*.— Polistinae; P; M. Type species: *Polistes associus* Kohl, 1898, by original designation. Junior subjective synonym of *Polistes* Latreille, 1802 (Richards, 1973, Rev. Bras. Ent. 17: 96).
- Leptocheilus* Giordani Soika, 1953 (1952), Bull. Soc. Sci. Nat. Maroc 32: 262, genus — Eumeninae; P; M. Type species: *Pterochilus linguarius* E. Saunders, 1905, by monotypy. Junior objective synonym of *Labochilus* Blüthgen, 1939.
- Lethus* Say, 1837, Boston J. Nat. Hist. 1 (4): 387. Incorrect spelling of *Zethus* Fabricius; confirmed by J.A. G. Rehn and J. W. H. Rehn, 1940, Ent. News 51: 216-218.
- Leucodynerus* Bohart, 1982, J. Kans. Ent. Soc. 55: 442, genus.— Eumeninae; NA; M. Type species: *Odynerus congressus* Viereck, 1908, by original designation.
- Lionotulus* Blüthgen, 1938 (1937), Konowia 16: 276, subgenus of *Leptochilus* Saussure.— Eumeninae; P; M. Type species: *Odynerus alpestris* Saussure, 1855, by original designation.
- Lionotus* Thomson, 1870, Opusc. Ent. 2: 85. Incorrect spelling of *Leionotus* Saussure.

Note: Blüthgen, 1961, Abh. Dt. Akad. Wiss. Berl., Kl. Chem., Geol. Biol. (2): 234, treated *Lionotus* Thomson as an emendation of *Leionotus* Saussure, but overlooked the fact that *Lionotus* Thomson is then a junior homonym of *Lionotus* Agassiz, 1846 (Coleoptera), an emendation of *Leionotus* Kirby and Spence, 1828.

Liostenogaster van der Vecht, 1969, in *Nature and Life in S. E. Asia* 6: 165, genus.— Stenogastrinae; O; F. Type species: *Ischnogaster nitidipennis* Saussure, 1853, by original designation.

Lipomeles Schulz, 1906, *Spolia Hym.*: 232. Unjustified emendation of *Leipomeles* Möbius.

Lissodynerus Giordani Soika, 1973, *Boll. Mus. Civ. Stor. Nat. Venezia* 24: 119, used as generic name for *Odynerus septemfasciatus* var. *feanus* Giordani Soika, 1941.— Eumeninae; O; M. Unavailable under Article 13(a)(i) of the Code.

Note: The author used this generic name, without giving any characters differentiating the taxon, in the description of the male of this subspecies, after having seen it as a manuscript name in a collection and without checking whether it had been published.

Macrocalymma Perkins, 1908, *Proc. Hawaii. Ent. Soc.* 2: 28, 31, genus.— Eumeninae; A; N. Type species: *Macrocalymma smithianum* Perkins, 1908, by monotypy.

Macrovespa Dalla Torre, 1904, *Genera Insect.* 19: 64, group of genus *Vespa* Linnaeus.— Vespinae; O P; F. Type species: *Vespa crabro* Linnaeus, 1758, by subsequent designation of Bequaert, 1930, *Bull. Brooklyn Ent. Soc.* 25: 64. Junior objective synonym of *Vespa* Linnaeus, 1758.

Note: Dalla Torre mentioned no species in his description, but distinguished this group from *Vespula* Thomson and *Pseudovespa* Schmiedeknecht for the species with the head broad behind the eyes.

Madecazethus Giordani Soika, 1979, *Boll. Mus. Civ. Stor. Nat. Venezia* 30: 20, 53, subgenus of *Zethus* Fabricius.— Eumeninae; E; M. Type species: *Labus madecassus* Schulthess, 1907, by original designation.

Maricopodynerus Viereck, 1908, *Trans. Am. Ent. Soc.* 33: 397, subgenus of *Odynerus* Latreille.— Eumeninae; NA; M. Type species: *Odynerus maricoporum* Viereck, 1908, by monotypy.

Note: Raised to generic rank by Bohart, 1948, *Proc. Cal. Acad. Sci.* 24: 314.

Marimbonda Richards, 1978, *Social Wasps Am.*: v, 10, 201, genus.— Polistinae; NT; F. Type species: *Marimbonda albogrisea* Richards, 1978, by original designation.

Masariella Brauns, 1905, *Ann. Hist.-Nat. Mus. Natn. Hung.* 3: 223, genus.— Masarinae; E; F. Type species: *Masariella alfkeni* Buysson, 1904, by monotypy. Junior subjective synonym of *Jugurtia* Saussure, 1854 (Bequaert, 1937, *Bull. Ann. Soc. Ent. Belg.* 68: 341).

Masarina Richards, 1962, *Revision. Study Masarid Wasps*: vii, 213, 268, genus. Masarinae; E; F. Type species: *Masarina familiaris* Richards, 1962, by original designation. Junior subjective synonym of *Jugurtia* Saussure, 1854 (Carpenter, 1990b).

Masaris Fabricius, 1793, *Ent. Syst.* 2: 6, 283, 284, genus (2 species).— Masarinae; P; M. Type species: *Masaris vespiformis* Fabricius, 1793, by subsequent monotypy; Latreille, 1802, *Hist. Nat. Crust. Ins.* 3: 368, placed the second species in a new genus, *Celonites*.

Massaris Billberg, 1820, *Enum. Ins.*: 109. Unjustified emendation of *Masaris* Fabricius.

- Mazaris* Schulz, 1911, Zool. Ann. Würzburg 4: 199. Unjustified emendation of *Masaris* Fabricius.
- Megacanthopus* Ducke, 1904, Bol. Mus. Goeldi 4: 320, 358, genus (9 species).— Polistinae; NT; M. Type species: *Megacanthopus collaris* Ducke, 1904, by subsequent designation of Bequaert, 1933, Entomologica Am. 13: 112. Subgenus of *Mischocyttarus* Saussure, 1853 (Richards, 1941, Proc. Ent. Soc. Lond. (B) 10: 127).
- Megalacanthopus* Schulz, 1906, Spolia Hym. 1906: 234. Unjustified emendation of *Megacanthopus* Ducke.
- Megalastor* Blüthgen, 1951, Mitt. Münch. Ent. Ges. 41: 169, subgenus of *Alastor* Lepeletier.— Eumeninae; P; M. Type species: *Alastor savignyi* Saussure, 1852, by original designation.
- Megapostes* Lee Tie-sheng, 1982, Hornets Agric. Regions China: 122, 124, 126. Incorrect spelling of *Megapolistes* van der Vecht.
- Megapolistes* van der Vecht, 1968, Bijdr. Dierk. 38: 97, subgenus of *Polistes*.— Polistinae; A E O PAC; M. Type species: *Vespa olivacea* DeGeer, 1773, by original designation.
- Megapterocheilus* Bohart, 1940, Ann. Ent. Soc. Am. 33: 169, 171, 173, subgenus of *Pterocheilus* Klug.— Eumeninae; NA; M. Type species: *Pterochilus mirandus* Cresson, 1879, by original designation.
- Mehelyella* Moczar, 1937, Folia Ent. Hung. 3: 16, 17, 34, subgenus of *Odynerus* Latreille.— Eumeninae; P; F. Unavailable; no type species designated.
- Mehelyella* Bohart, 1951, in Muesebeck *et al.*, Cat. Hym. Am. N. Mex.: 888; reference to *Mehelyella* Moczar.— Eumeninae; P; F. Type species: *Odynerus parvulus* Lepeletier, 1841, by original designation. Validation by type selection of *Mehelyella* Moczar, 1937. Junior subjective synonym of *Antepipona* Saussure, 1855 (see van der Vecht and Fischer, 1972, Hym. Cat. 8: 70).
- Melissaia* Shuckard, 1841, in White, Ann. Mag. Nat. Hist. 7: 320, footnote.— Polistinae; NA NT; F. Unnecessary replacement name for *Nectarina* Swainson and Shuckard, 1840, thought to be preoccupied by *Nectarinia* Illiger, 1811 (Aves). Junior objective synonym of *Brachygastra* Perty, 1833.
- Metaparagia* Meade-Waldo, 1911, Ann. Mag. Nat. Hist. (8) 8: 748, genus.— Masarinae; A; F. Type species: *Paragia pictifrons* Smith, 1857, by original designation. Senior subjective synonym of *Riekia* Richards, 1962, *Rolandia* Richards, 1962, and *Ammoparagia* Snelling, 1986.
- Metapolybia* Ducke, 1905, Revue Ent. 24: 7, 10, 17, genus.— Polistinae; NT; F. Type species: *Polybia pediculata* Saussure, 1854 [= *Eumenes cingulata* Fabricius, 1804], by monotypy.
- Metastenancistrocerus* Blüthgen, 1938, Dt. Ent. Z.: 460, genus.— Eumeninae; P; M. Type species: *Odynerus vagabundus* Dalla Torre, 1889, by monotypy. Objective synonym of *Dichodynerus* Blüthgen, 1938, *loc. cit.*: 444, a junior subjective synonym of *Antepipona* Saussure, 1855 (Blüthgen, 1939, Veröff. Dt. Kolon. Übersee Mus. Bremen 2: 246, as synonym of *Odontodynerus* Blüthgen, *q. v.*).
Note: In 1939, Veröff. Dt. Kolon. Übersee Mus. Bremen 2: 245-246, Blüthgen noted that publication of this name was based on an error.
- Metavespula* Blüthgen, 1943, Stettin. Ent. Ztg. 104: 149, subgenus of *Dolichovespula* Rohwer.— Vespinae; NA P; F. Type species: "*Dolichovespula silvestris* (Scop.)" (!) [= *Vespa sylvestris* Scopoli, 1763], by original designation. Junior subjective synonym

of *Dolichovespula* Rohwer, 1916 (Carpenter, 1987, Syst. Ent. 12: 427).

Metazethoides Schulz, 1906, Spolia Hym.: 213, replacement name for *Zethoides* Cameron, 1904, non Fox, 1899.— Masarinae; NA NT; M. Type species: *Zethoides flavolineatus* Cameron, 1904 [= *Paramasaris fuscipennis* Cameron, 1901], by monotypy as type species of *Zethoides* Cameron. Junior synonym of *Paramasaris* Cameron, 1901 (Bequaert, 1928, Ann. Mag. Nat. Hist. (10) 2: 141, synonymized the type species).

Metazumia Saussure, 1875, Smiths. Misc. Coll. 254: 114, division of genus *Montezumia* Saussure (2 species).— Eumeninae; NT; F. Type species: *Montezumia huasteca* Saussure, 1857, by subsequent designation of Bequaert, 1921, Rev. Zool. Afric. 9: 240. Junior subjective synonym of *Montezumia* Saussure, 1852 (Bequaert, 1921, loc. cit.: 242).

Metepipona Blüthgen, 1951, Mitt. Münch. Ent. Ges. 41: 193, subgenus of *Pseudepipona* Saussure.— Eumeninae; P; F. Type species: *Odynerus (Lionotus) peculiaris* Morawitz, 1895, by original designation. Junior subjective synonym of *Pseudepipona* Saussure, 1856 (Giordani Soika, 1958 (1957), Boll. Mus. Civ. Stor. Nat. Venezia 10: 129).

Metischnogaster van der Vecht, 1977, Tijdschr. Ent. 120: 59, 60, genus.— Stenogastrinae; O; F. Type species: *Ischnogaster cilipennis* Smith, 1857, by original designation.

Mi Dalla Torre, 1904, Genera Insect. 19: 76. Unjustified emendation of *My* Saussure, 1854.

Micragris Saussure, 1855, Ét. Fam. Vesp. 3: 158, division of genus *Synagris* Latreille.— Eumeninae; P; F. Type species: *Synagris spinolae* Saussure, 1855, by monotypy. Identity uncertain. Unrecognized taxon.

Micreumenes Ashmead, 1902, Can. Ent. 34: 208, genus.— Eumeninae; E; M. Type species: *Micreumenes curriei* Ashmead, 1902, by monotypy. Junior subjective synonym of *Smithia* Saussure, 1855, non Edwards and Haime, 1851, and senior subjective synonym of *Hymenosmithia* Dalla Torre, 1904.

Note: Bequaert (1918, Bull. Am. Mus. Nat. Hist. 39: 44) concluded that *Labus macrostylus* Kohl, 1907, is a synonym of *M. curriei*, and stated that "Ashmead's name cannot claim priority, since it was not validated by a specific description." According to Article 12(b)(6) of the Code, however, the name *curriei* is available.

Microdynerus Thomson, 1874, Hym. Scand. 3: 58, genus (3 species).— Eumeninae; NA P; M. Type species: *Odynerus exilis* Herrich-Schaeffer, 1839, by subsequent designation of Jones, 1937, Entomologist's Mon. Mag. 73: 15.

Micropterocheilus Bohart, 1940, Ann. Ent. Soc. Am. 33: 168, 171, 201, subgenus of *Pterocheilus* Klug.— Eumeninae; NA; M. Type species: *Pterocheilus desertorum* Bohart, 1940, by original designation.

Microtrimeria Bequaert, 1928, Psyche 35: 191, genus.— Masarinae; NT; F. Type species: *Microtrimeria cockerelli* Bequaert, 1928, by monotypy. Junior subjective synonym of *Trimeria* Saussure, 1854 (Carpenter, 1990b).

Minixi Giordani Soika, 1978, Boll. Mus. Civ. Stor. Nat. Venezia 29: 14, 367, genus.— Eumeninae; NT; N. Type species: *Eumenes mexicanus* Saussure, 1857, by original designation.

Mischocittarus Saussure, 1857, Ét. Fam. Vesp. 2: xi. Incorrect spelling of *Mischocytarus* Saussure.

Mischocytharus Saussure, 1853, Ét. Fam. Vesp. 1, Introduction: viii, footnote. Incon-

rect original spelling of *Mischocyttarus* Saussure.

Note: *Mischocythorus* (!) Krombein refers to the same misspelling.

Mischocythorus Krombein, 1979, in Krombein *et al.*, Cat. Hym. Am. N. Mex. 2: 1516.

Incorrect spelling of *Mischocytharus* Saussure.

Mischocyttarus Saussure, 1853, Ét. Fam. Vesp. 2: 19, genus (2 species).— Polistinae; NA NT; M. Type species: *Zethus labiatus* Fabricius, 1804, by subsequent designation of Ashmead, 1902, Can. Ent. 34: 166. Senior subjective synonym of *Pseudopolybia* H. von Ihering, 1896, *non* Saussure, 1863.

Mitrodynerus van der Vecht, 1981, Proc. K. Ned. Akad. Wet., Ser. C, 84: 444, genus.— Eumeninae; O; M. Type species: *Mitrodynerus vitripennis* van der Vecht, 1981, by original designation and monotypy.

Monacanthocnemis Ducke, 1905, Revue Ent. 24: 6, 8, 21, genus.— Polistinae; NT; F. Type species: *Polybia filiformis* Saussure, 1854, by monotypy. Junior objective synonym of *Omega* Saussure, 1854.

Monerebia Saussure, 1852, Ét. Fam. Vesp. 1: 98, genus (2 species).— Eumeninae; A; F. Type species: *Odynerus splendidus* Guérin, 1838, by subsequent designation of van der Vecht, 1960, Nova Guinea, Zool. 6: 92. Junior subjective synonym of *Abispa* Mitchell, 1838 (Saussure, 1855, Ét. Fam. Vesp. 3: 169).

Monerobia Bridwell, 1919, Proc. Hawaii. Ent. Soc. 4: 120, 121. Incorrect spelling of *Monerebia* Saussure.

Monobia Saussure, 1852, Ét. Fam. Vesp. 1: 94, genus (6 species).— Eumeninae; NA NT; F. Type species: *Vespa quadridens* Linnaeus, 1763, by subsequent designation of Ashmead, 1902, Can. Ent. 34: 210. Senior objective synonym of *Tetrathra* Dalla Torre, 1904, and senior subjective synonym of *Triarthra* Dalla Torre, 1904.

Monobiella Ashmead, 1900, Trans. Ent. Soc. Lond.: 312, genus.— Eumeninae; NT; F. Type species: *Vespa atrata* Fabricius, 1798, by monotypy. Junior subjective synonym of *Pachodynerus* Saussure, 1870 (Menke, 1986, Proc. Ent. Soc. Wash. 88: 650, 655).

Monocyttarus Richards, 1978, Soc. Wasps Am.: vi, 18, 273, 307, subgenus of *Mischocyttarus* Saussure.— Polistinae; NA NT; M. Type species: *Polybia flavitarsis* Saussure, 1854, by original designation. Junior subjective synonym of *Phi* Saussure, 1854 (Carpenter and Day, 1988, Proc. Ent. Soc. Wash. 90: 323, 327).

Monodynerus Gusenleitner, 1982, Entomofauna 3: 279, genus.— Eumeninae; P; M. Type species: *Monodynerus insimilis* Gusenleitner, 1982, by original designation and monotypy.

Monogynoecus Richards, 1941, Proc. Ent. Soc. Lond. (B) 10: 126, subgenus of *Mischocyttarus* Saussure.— Polistinae; NT; M. Type species: *Megacanthopus lecointei* Ducke, 1904, by original designation.

Monoplomerus Blüthgen, 1941, Arch. Naturgesch., N. F. 10: 305, 308, subgenus of "*Hoplomerus* Westwood" [= *Odynerus* Latreille].— Eumeninae; P; M. Type species: *Hoplomerus caroli* Morawitz, 1885, by original designation. Subgenus of *Odynerus* Latreille, 1802.

Monorebia Smith, 1857, Cat. Hym. Brit. Mus. 5: 42. Incorrect spelling of *Monerebia* Saussure.

Montezumia Saussure, 1852, Ét. Fam. Vesp. 1: 87, genus (14 species).— Eumeninae; NA NT; F. Type species: *Montezumia rufidentata* Saussure, 1852 [= *Odynerus azurescens* Spinola, 1851], by subsequent designation of Ashmead, 1902, Can. Ent. 34:

207. Senior objective synonym of *Alpha* Saussure, 1855; senior subjective synonym of *Beta* Saussure, 1855, and of *Metazumia* Saussure, 1875.
 Note: Bingham, 1897, *Fauna Brit. India*, Hym. 1: 349, designated two species as "type", *M. morosa* Saussure and *M. rufidentata* Saussure.
- Mu** Bequaert, 1944, *Bull. Mus. Comp. Zool.* 94: 292. Unjustified emendation of *My* Saussure.
- My** Saussure, 1854, *Ét. Fam. Vesp.* 2: 191, division IV of subgenus *Polybia* of genus *Polybia* Lepeletier (11 species); at pl. 23: division of genus *Polybia*.— Polistinae; NA NT; N. Type species: *Myrapetra scutellaris* White, 1841, by subsequent designation of Bequaert, 1944, *Bull. Mus. Comp. Zool.* 94: 292. Junior objective synonym of *Myrapetra* White, 1841, now subgenus of *Polybia* Lepeletier, 1836.
- Myrapetra** White 1841, *Ann. Mag. Nat. Hist.* 7: 320, genus.— Polistinae; NA NT; F. Type species: *Myrapetra scutellaris* White, 1841, by monotypy. Subgenus of *Polybia* Lepeletier, 1836 (Richards, 1978, *Social Wasps Am.*: v, 34, 56)
- Myrapetra** Curtis, 1844, *Trans. Linn. Soc. Lond.* XIX: 256; White, 1844, *Ann. Mag. Nat. Hist.* 12: 268; Saussure, 1854, *Ét. Fam. Vesp.* 2: 192. Incorrect spelling of *Myrapetra* White.
- Myschocytharus** Saussure, 1853, *Ét. Fam. Vesp.* 1: 3, footnote. Incorrect spelling of *Mischocytarus* Saussure.
- Nannodynerus** Blüthgen, 1938 (1937), *Konowia* 16: 281, subgenus of "*Euodynerus* Blüthgen" [= *Euodynerus* Dalla Torre].— Eumeninae; P; M. Type species: *Lionotus teutonicus* Blüthgen, 1937, by original designation. Junior subjective synonym of *Stenodynerus* Saussure, 1863 (van der Vecht, 1966, *Ent. Ber. Amst.* 26: 163).
 Note: Neave (1950, *Nom. Zool.* 5: 166) cited p. 280.
- Nannopterochilus** Blüthgen, 1961, *Abh. Dt. Akad. Wiss. Berl., Kl. Chem., Geol. Biol.* (2): 62, 86, 231.— Eumeninae; P; M. Type species: "*Pterocheilus phaleratus* (Panz. 1797)" [= *Vespa phalerata* Panzer, 1797], by original designation and monotypy. Junior objective synonym of *Pterocheilus* Klug, 1805.
- Nectarina** Swainson and Shuckard, 1840, *Cab. Cyclop.* no. 129: 183.— Polistinae; NA NT; F. Unnecessary replacement name for *Brachygastra* Perty, 1833, thought to be preoccupied by *Brachygaster* Leach, 1817 (Hymenoptera). Junior objective synonym of *Brachygastra* Perty, 1833.
- Nectarinella** Bequaert, 1938, *Rev. Ent. Rio de J.* 9: 107, subgenus of *Chartergus* Lepeletier.— Polistinae; NT; F. Type species: *Nectarina championi* Dover, 1925, by original designation and monotypy.
 Note: Raised to generic rank by Richards, 1978, *Soc. Wasps Am.*: v, 10, 215.
- Nectarinia** Saussure, 1854, *Ét. Fam. Vesp.* 2: 225; H. von Ihering, 1896, *Zool. Anz.* 19: 451, 453; Fox, 1898, *Proc. Acad. Nat. Sci. Philad.*: 460; Buysson, 1905, *Ann. Soc. Ent. Fr.* 78: 537-566; Reid, 1942, *Trans. R. Ent. Soc. Lond.* 92: 313-315. Incorrect spelling of *Nectarina* Swainson and Shuckard.
- Neodiscoelius** Stange, 1979, *Acta Zool. Lilloana* 35: 729, 732, genus.— Eumeninae; NT; M. Type species: *Discoelius merula* Haliday, 1836, by original designation. Junior objective synonym of *Protodiscoelius* Dalla Torre, 1904.
- Neoleptochilus** Blüthgen, 1961, *Abh. Dt. Akad. Wiss. Berl., Kl. Chem., Geol. Biol.* (2): 66, 98, 100, subgenus of *Leptochilus* Saussure.— Eumeninae; P; M. Type species: "*Leptochilus medanae* (Gribodo i. l.) André", [= *Odynerus medanae* Gribodo, 1886], by original designation.

- Neopterocheilus* Kurzenko, 1988, Horae Soc. Ent. Unionis Sov. 70: 93, 94, 99, subgenus of *Onychopterocheilus* Blüthgen.— Eumeninae; P; M. Type species: *Pterochilus fausti* Morawitz, 1873, by original designation.
- Nesodynerus* Perkins, 1901, Entomologist's Mon. Mag. 37: 267, genus, in key (3 species).— Eumeninae; PAC; M. Type species: *Odynerus rudolphi* Dalla Torre, 1889 (a replacement name for *Odynerus cardinalis* Blackburn and Cameron, 1886, non Morawitz, 1885), by subsequent designation of Carpenter, 1986, Psyche : 76.
- Nirtenia* Giordani Soika, 1989, Lavori Soc. Ven. Sci. Nat. 14: 19, 25, genus.— Eumeninae; P; F. Type species: *Nirtenia propodealis* Giordani Soika, 1989, by original designation and monotypy.
- Nortonia* Saussure, 1869, Stettin. Ent. Ztg. 30: 53, genus.— Eumeninae; P; F. Type species: *Odynerus intermedius* Saussure, 1852, by original designation. Subgenus of *Pareumenes* Saussure, 1855 (Giordani Soika, 1938, Ann. Mus. Civ. Stor. Nat. Genova 60: 111).
- Nortozumia* van der Vecht, 1937, Treubia 16: 263, genus.— Eumeninae; O; F. Type species: *Zethus rufofemoratus* Cameron, 1903, by original designation.
- Notonia* Sonan, 1938, Arb. Morph. Tax. Ent. 5: 70. Incorrect spelling of *Nortonia* Saussure.
- Nyctovespa* van der Vecht, 1959, Zool. Meded. Leiden 36 (13): 210, subgenus of *Vespa* Linnaeus.— Vespinae; O; F. Type species: *Vespa binghami* Buysson, 1905, by original designation. Junior subjective synonym of *Vespa* Linnaeus (Carpenter, 1987, Syst. Ent. 12: 426).
- Nygmopolistes* Richards, 1973, Rev. Bras. Ent. 17: 91, 93, 98, subgenus of *Polistes* Latreille.— Polistinae; O; M. Type species: "*Polistes sulcatus* Smith, 1852 (= *P. rugifrons* Cameron, 1900)", by original designation.
- Occiitalia* Richards, 1978, Soc. Wasps Am.: 16. Incorrect spelling of *Occipitalia* Richards.
- Occipitalia* Richards, 1978, Soc. Wasps Am.: v, 11, 198, genus.— Polistinae; NT; F. Type species: *Polybia sulcata* Saussure, 1854, by original designation.
- Odontodynerus* Blüthgen, 1938 (1937), Konowia 16: 280, subgenus of "*Euodynerus* Blüthgen" [= *Euodynerus* Dalla Torre].— Eumeninae; E O P; M. Type species: "*Odynerus orbitalis* H.-Sch. 1841" [= *Odynerus orbitalis* Herrich-Schaeffer, 1839], by original designation. Junior subjective synonym of *Antepipona* Saussure, 1855 (van der Vecht, 1970, Proc. K. Ned. Akad. Wet., Ser. C, 73: 17).
- Odontopterochilus* Kostylev, 1940, Bull. Soc. Nat. Moscou, Sect. Biol. (N. S.) 49 (3—4): 148, subgenus of *Pterochilus* (!) Klug (5 species).— Eumeninae; P; M. Unavailable; no type species indicated.
- Odontopterochilus* van der Vecht, 1971, Ent. Ber. Amst. 31: 127; reference to *Odontopterochilus* Kostylev.— Eumeninae; P; M. Type species: *Pterochilus heptneri* Kostylev, 1940, by original designation. Validation by type selection of *Odontopterochilus* Kostylev, 1940. Junior subjective synonym of *Pterocheilus* Klug, 1805 (van der Vecht and Fischer, 1972, Hym. Cat. 8: 22).
- Odynera* Illiger, 1807, Magaz. Insektenk. 6: 196; also: 1807, in Rossi, Fauna Etrusca, Ed. 2, 2: 141 (twice), 142, 143. Unjustified emendation of *Odynerus* Latreille.
- Odynerus* Latreille, 1802, Hist. Nat. Crust. Ins. 3: 362, genus (2 species).— Eumeninae; E NA P; M. Type species: *Vespa spinipes* Linnaeus, 1758, by subsequent designation of Shuckard, 1837, Mag. Nat. Hist., N. S. 1: 494. Senior objective synonym

of *Epipone* Kirby and Spence, 1815, *Oplopus* Wesmael, 1836, *Oplomerus* Westwood, 1840, and of *Euepipona* Dalla Torre, 1904.

Note: There have been at least three invalid subsequent type designations of *Odynerus*: Westwood, 1840, *Introd. Modern Class. Ins.* 2: 83 ("*Vespa muraria* L."); Bingham, 1897, *Fauna Brit. India Hym.* 1: 360 ("*Odynerus parietum* Linn."); Ashmead, 1902, *Can. Ent.* 34: 209 ("*Vespa murarius* Latr."). See Richards and van der Vecht, 1968, *Ent. Ber. Amst.* 28: 196-197.

Okinawepipona Yamane, 1987, *Mem. Kagoshima Univ. Res. Center S. Pacific* 8: 52, genus.— Eumeninae; O; F. Type species: *Anterhynchium kogimai* Giordani Soika, 1986, by original designation and monotypy.

Omega Saussure, 1854, *Ét. Fam. Vesp.* 2: 206, division of subgenus *Polybia* of genus *Polybia* Lepeletier.— Polistinae; NT; N. Type species: *Polybia filiformis* Saussure, 1854, by monotypy. Senior objective synonym of *Monacanthocnemis* Ducke, 1905. Subgenus of *Mischocyttarus* Saussure, 1853 (Richards, 1941, *Proc. Ent. Soc. Lond.* (B) 10: 126).

Note: Richards, 1978, *Soc. Wasps Am.*: 33, ascribed the authorship of this subgenus to Bequaert, 1933, but this was not in agreement with the revised Article 11(f)(ii) of the Code (1974, *Bull. Zool. Nom.* 31 (2): 79), nor with Article 10(e) of the present Code. See Carpenter and Day (1988, *Proc. Ent. Soc. Wash.* 90: 323-328).

Omicrabulus Giordani Soika, 1987, *Boll. Mus. Civ. Stor. Nat. Venezia* 36: 154, genus.— Eumeninae; E; M. Type species: *Labus saganensis* Giordani Soika, 1944, by original designation.

Omicroides Giordani Soika, 1935, *Ann. Mus. Civ. Stor. Nat. Genova* 57: 129, subgenus of *Eumenes* Latreille.— Eumeninae; O; M. Type species: *Eumenes singularis* Smith, 1858, by monotypy.

Note: Raised to generic rank by Giordani Soika, 1961, *Verh. XI Int. Kongr. Ent. Wien* 1: 241.

Omicron Saussure, 1855, *Ét. Fam. Vesp.* 3: 133, 148, name for division VI of genus *Eumenes* Latreille in Saussure, 1852, *loc. cit.*: 71 (2 + 8 species).— Eumeninae; NT; N. Type species: *Zethus ? globicollis* Spinola, 1841, by subsequent designation of Bequaert, 1926, *Ann. S. Afr. Mus.* 23: 486. Senior subjective synonym of *Beta* Saussure, 1875, and of *Amphimenes* Bertoni, 1923.

Note: Raised to generic rank by Giordani Soika, 1961, *Verh. XI Int. Kongr. Ent. Wien* 1: 241.

Onchopterocheilus Bohart, 1940, *Ann. Ent. Soc. Am.* 33: 169, 171, 191, subgenus of *Pterocheilus* Klug.— Eumeninae NA; N. Type species: *Pterochilus comptus* Cresson, 1879, by original designation.

Onerarius Richards, 1973, *Rev. Bras. Ent.* 17: 91, 94, 101, subgenus of *Polistes* Latreille.— Polistinae; NA NT; M. Type species: *Vespa carnifex* Fabricius, 1775, by original designation.

Onychopterocheilus Blüthgen, 1955, *Mitt. Münch. Ent. Ges.* 44/45: 406, 407, subgenus of *Pterocheilus* Klug.— Eumeninae; P; M. Type species: "*Pterocheilus daw* (Dusmet, 1909)" [= *Odynerus (Hoplomerus) daw* Dusmet, 1903], by original designation and monotypy.

Note: Raised to generic rank by Kurzenko, 1984, *Abstr. XVII Int. Congr. Ent. Hamburg*: 65.

Oplomerus Westwood, 1840, *Introd. Modern Class. Ins.* 2 (synopsis): 84, subgenus of *Odynerus* Latreille, replacement name for *Oplopus* Wesmael, 1836, *non* Laporte, 1832.— Eumeninae; P; M. Junior objective synonym of *Odynerus* Latreille, 1802.

Note: This name has often been regarded as a homonym of *Oplomerus* Dejean, 1834 (Coleoptera), but the latter appears to be a nomen nudum.

Oplopus Wesmael, 1836, *Bull. Acad. R. Belg.* 3: 45, subgenus of *Odynerus* Latreille (3 species).— Eumeninae; P; M. Type species: *Vespa spinipes* Linnaeus, 1758, by subsequent designation of Girard, 1879, *Traité Élément. d'Ent.* II (2): 902. Junior homonym of *Oplopus* Laporte, 1832 (Coleoptera). Junior objective synonym of *Odynerus* Latreille, 1802.

Note: Girard wrote: "Nous prendrons comme type de ce sous-genre d'Odynères [p. 901: "*Oplopus* Wesm., ou *Epipona* Shuckard, ou *Hoplomerus* Westwood..."] l'*O. spinipes* Linn...".

Orancistrocerus van der Vecht, 1963, *Zool. Verh. Leiden* 60: 58, 99, genus.— Eumeninae; O P; M. Type species: *Odynerus drewseni* Saussure, 1857, by original designation.

Oreumenes Bequaert, 1926, *Ann. S. Afr. Mus.* 23: 488, subgenus of *Eumenes* Latreille.— Eumeninae; O P; M. Type species: *Eumenes harmandi* Perez, 1905 [= *Eumenes decoratus* Smith, 1852], by original designation and monotypy.

Note: Raised to generic rank by Giordani Soika, 1961, *Verh. XI Int. Kongr. Ent. Wien* 1: 244.

Oreumenoidea Giordani Soika, 1961, *Verh. XI Int. Kongr. Ent. Wien* 1: 245, genus.— Eumeninae; O; M. Type species: *Eumenes edwardsi* Saussure, 1852, by original designation.

Ortalastoroides Giordani Soika, 1982 (1981), *Boll. Mus. Civ. Stor. Nat. Venezia* 32: 34, 56, subgenus of *Hypalastoroides* Saussure.— Eumeninae; NT; M. Type species: *Alastor singularis* Saussure, 1853, by original designation.

Ortastoroides Giordani Soika, 1982 (1981), *Boll. Mus. Civ. Stor. Nat. Venezia* 32: 57. Incorrect spelling of *Ortalastoroides* Giordani Soika.

Ovodynerus Giordani Soika, 1985, *Boll. Mus. Civ. Stor. Nat. Venezia* 34: 31, 130, genus.— Eumeninae; E; M. Type species: *Odynerus capicola* Meade Waldo, 1915, by original designation.

Pachimenes Saussure, 1855, *Ét. Fam. Vesp.* 3: 153. Incorrect spelling of *Pachymenes* Saussure.

Pachodynerus Saussure, 1870, *Rev. Mag. Zool.* (2) 22: 56, division of subgenus *Odynerus* of genus *Odynerus* Latreille (4 species); declared available from date of publication by Opinion 893 (ICZN, 1970).— Eumeninae; (A) NA NT (PAC); M (no. 1865 of Official List of Generic Names in Zoology). Type species: *Odynerus californicus* Saussure, 1870, by subsequent designation of Bohart, 1951, *in* Muesebeck *et al.*, *Synopt. Cat. Hym. Am. N. Mex.*: 892; confirmed by Opinion 893 (no. 2327 of Official List of Specific Names in Zoology).

Notes: 1. Neave (1940, *Nom. Zool.* 3: 505) erroneously gave 1875 as the date of first publication.

2. Raised to generic rank by Brèthes, 1906, *An. Mus. Nac. B. Aires* 13: 343.

Pachycoelius Giordani Soika, 1969, *Boll. Mus. Civ. Stor. Nat. Venezia* 19: 28, 54, genus.— Eumeninae; A; M. Type species: *Pachycoelius brevicornis* Giordani Soika, 1969, by original designation.

Pachymenes Saussure, 1852, Et. Fam. Vesp. 1: 73, genus (5 species).— Eumeninae; NT; M. Type species: *Pachymenes sericea* Saussure, 1852, by subsequent designation of Ashmead, 1902, Can. Ent. 34: 208.

Note: Under "*Pachymenes sericea*" Saussure (1852) noted: "Syn. Oliv. *Vespa sericea*? Enc. VI. p. 675", but it has been generally accepted that Saussure described here a new species and not that he used the name *sericea* to indicate Olivier's species. In 1853 he correctly recognized the latter as a species of *Polybia* Lepeletier.

Pachymicrodynerus Blüthgen, 1938, Dt. Ent. Z.: 447, 455, subgenus of *Pseudomicrodynerus* Blüthgen.— Eumeninae; P; M. Type species: *Pseudomicrodynerus eurasius* Blüthgen, 1938, by original designation. Junior subjective synonym of *Pseudomicrodynerus* Blüthgen, 1938, now treated as a subgenus of *Microdynerus* Thomson, 1874 (Kurzenko, 1982 (1981), Hym. Far East, Acad. Sci. U.S.S.R.: 101).

Pachyminixi Giordani Soika, 1978. Boll. Mus. Civ. Stor. Nat. Venezia 29: 14, 387, genus.— Eumeninae; NT; N. Type species: *Eumenes sumichrasti* Saussure, 1875, by original designation.

Pachyodernus Cameron, 1908, Trans. Am. Ent. Soc. 34: 199, in the combination "*Odynerus (Pachyodernus) oslarensis* Cameron, 1908". Incorrect spelling of *Pachodynerus* Saussure.

Note: Bohart, 1951, in Muesebeck *et al.*, Synopt. Cat. Hym. Am. N. Mex.: 888, treated *Pachyodernus* as a new, monotypic, genus and placed it in the synonymy of *Ryngchium sensu* Bohart [= *Euodynerus* Dalla Torre].

Pachodynerus Dalla Torre, 1894, Cat. Hym. 9: 82; Rohwer, 1914, Proc. U. S. Natn. Mus. 47 (no. 2061): 514; Holland, 1917, Ann. Carnegie Mus. 11: 293. Incorrect spelling of *Pachodynerus* Saussure.

Palaeovespa Cockerell, 1906, Bull. Mus. Comp. Zool. 50: 54, genus.— Vespinae; NA; F. Type species: *Palaeovespa florissantia* Cockerell, 1906, by original designation. Fossil taxon from the Miocene.

Paliosotius Richards, 1978, Soc. Wasps Am.: 577. Incorrect spelling of *Palisotius* Richards.

Palisotius Richards, 1973, Rev. Bras. Ent. 17: 95, 96, 100, subgenus of *Polistes* Latreille.— Polistinae; NA NT; M. Type species: *Polistes major* Palisot de Beauvois, 1818, by original designation.

Parabispa van der Vecht, 1960, Nova Guinea, Zool., 6: 93, subgenus of *Abispa* Mitchell.— Eumeninae; A; F. Type species: *Pterochilus eximius* Smith, 1865, by original designation.

Paracelonites Kostylev, 1935, Arch. Mus. Zool. Univ. Moscou 2: 108, subgenus of *Celonites* Latreille (6 species).— Masarinae; P; M. Unavailable; no type species designated. Junior subjective synonym of *Celonites* Latreille, 1802 (Carpenter, 1990b).

Paraceramius Saussure, 1854, Ét. Fam. Vesp. 3: pl. 3, division of genus *Ceramius* Latreille (4 species).— Masarinae; P; M. Type species: *Ceramius spiricornis* Saussure, 1854, by subsequent designation of Ashmead, 1902, Can. Ent. 34: 220. Junior subjective synonym of *Ceramius* Latreille, 1810 (Richards, 1962, Revision. Study Masarid Wasps: 83).

Parachartergus R. von Ihering, 1904, Rev. Mus. Paul. 6: 128, genus.— Polistinae; NT; M. Type species: *Parachartergus bentobuenoi* R. von Ihering, 1904 [= *Chartergus*

griseus Fox, 1898], by monotypy.

Parachatergus H. von Ihering, 1927, *Gesch. Atlant. Ozeans*: 80. Incorrect spelling of *Parachartergus* R. von Ihering.

Parachilus Giordani Soika, 1961 (1960), *Atti Soc. Ital. Sci. Nat. Milano* 99: 389, 392, genus.— Eumeninae; E; M. Type species: *Pterochilus capensis* Saussure, 1856, by original designation.

Paradontodynerus Blüthgen, 1961, *Abh. Dt. Akad. Wiss. Berl., Kl. Chem., Geol. Biol.* (2): 237; Guichard, 1978, *Ent. Gazette* 31: 45. Incorrect spelling of *Parodontodynerus* Blüthgen, 1938.

Paragayella Giordani Soika, 1974, *Boll. Mus. Civ. Stor. Nat. Venezia* 25: 87, 89, 99, genus.— Masarinae; NT; F. Type species: *Paragayella richardsi* Giordani Soika, 1974, by original designation and monotypy. Junior subjective synonym of *Paramasaris* Cameron, 1901 (Carpenter, 1989, *Psyche* 95: 227, 232).

Paragia Shuckard, 1837, *Trans. Ent. Soc. Lond.* 2: 81, genus.— Masarinae; A; F. Type species: *Paragia decipiens* Shuckard, 1837, by monotypy. Senior synonym of *Alpha* Dalla Torre, 1904, and of *Beta* Dalla Torre, 1904; senior subjective synonym of *Cygnaea* Richards, 1962, and of *Paragiella* Richards, 1962.

Paragiella Richards, 1962, *Revision. Study Masarid Wasps*: 4, 53, 67, subgenus of *Paragia* Shuckard.— Masarinae; A; F. Type species: *Paragia odyneroides* Smith, 1850, by original designation. Junior subjective synonym of *Paragia* Shuckard, 1837 (Snelling, 1986, *Contrib. Sci.* 378: 1, 12).

Paragris Saussure, 1855, *Ét. Fam. Vesp.* 3: 156, name for division II of genus *Synagris* Latreille in Saussure, 1852, *loc. cit.* 2: 84 (5 + 2 species).— Eumeninae; E; F. Type species: *Synagris humbertii* (!) [= *Synagris huberti* Saussure, 1855], by subsequent designation of Ashmead, 1902, *Can. Ent.* 34: 210. Subgenus of *Synagris* Latreille, 1802 (Maidl, 1914, *Denkschr. Akad. Wiss., Wien, Math-Naturw. Kl.* 91: 252); senior subjective synonym of *Antagris* Saussure, 1863.

Notes: 1. Maidl, 1914, *loc. cit.*: 252, and Bequaert, 1918, *Bull. Am. Mus. Nat. Hist.* 39: 319, erroneously gave *Synagris analis* Saussure, 1852, as the type species of *Paragris*.

2. Subjective synonym of *Hypagris* Saussure, 1855, which was rejected by Maidl, 1914, *loc. cit.*: 252, acting as first reviser.

3. Treated as a genus by Giordani Soika, 1987, *Boll. Mus. Civ. Stor. Nat. Venezia* 37: 154, a course we do not accept.

Paragymnomerus Blüthgen, 1938 (1937), *Konowia* 16: 286, subgenus of "*Hoplomerus* (Westwood) Agassiz" [= *Odynerus* Latreille].— Eumeninae; P; M. Type species: *Odynerus spiricornis* Spinola, 1808, by original designation.

Note: Raised to generic rank by Blüthgen, 1941, *Arch. Naturgesch., N. F.* 10: 307.

Paraicaria Gribodo, 1892 (1891), *Boll. Soc. Ent. Ital.* 23: 248, genus.— Polistinae; O; F. Type species: *Paraicaria bicolor* Gribodo, 1892 [= *Ropalidia bicolorata* van der Vecht, 1962, replacement name], by monotypy.

Note: *Paraicaria* was treated as a subgenus of *Ropalidia* Guérin, 1831, by van der Vecht (1962, *Zool. Verh. Leiden* 57: 3, 37), and *P. bicolor* Gribodo was renamed on account of secondary homonymy with *Ropalidia bicolor* (Smith, 1864).

Paralastor Saussure, 1856, *Ét. Fam. Vesp.* 3: 328, division of subgenus *Alastor* of genus *Alastor* Lepeletier (3 species); declared available from date of publication

by Opinion 893 (ICZN, 1970).— Eumeninae; A; M (no. 1866 of Official List of Generic Names in Zoology). Type species: *Alastor tuberculatus* Saussure, 1853, by subsequent designation of van der Vecht, 1967, Bull. Zool. Nom. 24: 31; confirmed by Opinion 893 (ICZN, 1970) (no. 2339 of Official List of Specific Names in Zoology). Subjective synonym of *Alastoroides* Saussure, 1856, and *Paralastoroides* Saussure, 1856, which are rejected here in favor of *Paralastor*. **Syn. nov.**

Note: Raised to generic rank by Perkins, 1914, Proc. Zool. Soc. Lond.: 563.

Paralastoroides Saussure, 1856, Ét. Fam. Vesp. 3: 328, division of subgenus *Alastoroides* Saussure of genus *Alastor* Lepeletier; declared available from date of publication by Opinion 893 (ICZN, 1970).— Eumeninae; A; M. Type species: *Alastor clotho* Lepeletier, 1841, by monotypy. Objective synonym, rejected in favor of *Alastoroides* Saussure, 1856, by Opinion 893 (ICZN, 1970; no. 1960 of Official Index of Rejected and Invalid names in Zoology). Subjective synonym of *Paralastor* Saussure, 1856. **Syn. nov.**

Note: *Alastor clotho* Lepeletier is the type species of *Paralastoroides* Saussure by monotypy, not by designation of Ashmead as stated in Opinion 893 (ICZN, 1970).

Paraleptomenes Giordani Soika, 1970, Boll. Mus. Civ. Stor. Nat. Venezia 20/21: 79, genus.— Eumeninae; O; M. Type species: *Paraleptomenes nurseanus* Giordani Soika, 1970, by original designation and monotypy.

Paralionotulus Blüthgen, 1938 (1937), Konowia 16: 293, genus.— Eumeninae; P; M. Type species: *Leptochilus mervensis* Radoszkowski, 1887, by original designation and monotypy.

Paramasaris Cameron, 1901, Trans. Am. Ent. Soc. 27: 311, genus.— Masarinae; NA NT; M. Type species: *Paramasaris fuscipennis* Cameron, 1901, by monotypy. Senior synonym of *Zethoides* Cameron, 1904, *Plesiozethus* Cameron, 1905, and of *Metazethoides* Schulz, 1906; senior subjective synonym of *Paraguayella* Giordani Soika, 1974.

Paramischocytharus Giordani Soika, 1955, Ann. Mus. R. Congo Belge, Zool. 36: 362. Incorrect spelling of *Paramischocytтарus* Magretti.

Paramischocytтарus Magretti, 1884 (1883), Bull. Soc. Ent. Ital. 15: 250; 1884, Ann. Mus. Civ. Stor. Nat. Genova 21: 600, genus.— Eumeninae; E P; M. Type species: *Paramischocytтарus subtilis* Magretti, 1884, by monotypy. Senior subjective synonym of *Tanyzethus* Cameron, 1910.

Note: It is uncertain which of these two papers was published first.

Parancistrocerus Bequaert, 1925, Trans. Am. Ent. Soc. 51: 64, subgenus of *Ancistrocerus* Wesmael.— Eumeninae; NA NT O P; M. Type species: *Odynerus fulvipes* Saussure, 1855 [= *O. "flavipes" Fabricius* *sensu* Saussure, 1852, non *Vespa flavipes* Fabricius, 1775], by original designation.

Note: Treated as a genus by Parker and Bohart, 1966, Pan-Pacif. Ent. 42: 93.

Paranortonia Bertoni, 1934, Rev. Soc. Cient. Paraguay 3: 109, genus or subgenus of *Nortonia* Saussure (3 species).— Eumeninae; NA NT; F. Unavailable; no type species designated.

Paranortonia Bequaert, 1940, Ann. Ent. Soc. Am. 33: 100, subgenus of *Pachymenes* Saussure; reference to *Paranortonia* Bertoni (3 + 2 species).— Eumeninae; NA NT; F. Type species: *Nortonia tolteca* Saussure, 1875, by original designation. Validation by type selection of *Paranortonia* Bertoni, 1934. Junior subjective synonym of

Parazumia Saussure, 1855. **Syn. nov.**

Notes: 1. Bequaert included *Odynerus* (?) *carinulatus* Spinola, 1851, type species of *Parazumia* Saussure, in this taxon.

2. The type designation for *Paranortonia* Bertoni by Giordani Soika, 1973, *Boll. Mus. Civ. Stor. Nat. Venezia* 24: 25 (footnote), is superfluous.

Paranortonia Giordani Soika, 1941, *Boll. Soc. Veneziana Stor. Nat.* 2: 154, genus.— Eumeninae; NT; F. Type species: *Nortonia polybioides* Schulthess, 1904, by original designation. Junior homonym of *Paranortonia* Bequaert, 1940. Replaced by *Stenonartonia* Giordani Soika, 1973.

Parapolybia Saussure, 1854, *Ét. Fam. Vesp.* 2: 207, division of subgenus *Polybia* of genus *Polybia* Lepeletier (3 species).— Polistinae; A O P; F. Type species: *Polybia indica* Saussure, 1854, by subsequent designation of Bingham, 1897, *Fauna Brit. India, Hym.* 1: 382.

Notes: 1. Raised to generic rank by Schulthess, 1913, *Mitt. Schweiz. Ent. Ges.* 12: 152.

2. Richards, 1978, *Soc. Wasps Am.*: 33, ascribed the authorship of this genus to Bingham, but this was not in agreement with the revised Article 11(f)(ii) of the Code (1974, *Bull. Zool. Nom.* 31 (2): 79), nor with Article 10(e) of the present Code. See Carpenter and Day (1988, *Proc. Ent. Soc. Wash.* 90: 323-328).

Pararaphidoglossa Zavattari, 1912, *Arch. Naturgesch.* 78A (4): 5; Giordani Soika, 1941, *Boll. Soc. Veneziana Stor. Nat.* 2: 227; Giordani Soika 1978, *Boll. Mus. Civ. Stor. Nat. Venezia* 29: 5 (in title), 7, 14, 257-330. Incorrect spelling of *Pararhaphidoglossa* Schulthess.

Pararhaphidoglossa Schulthess, 1910, *Dt. Ent. Z.*: 187, genus.— Eumeninae; NT; F. Type species: *Pararhaphidoglossa fulva* Schulthess, 1910 [= *Eumenes* (*Pararaphidoglossa* !) *fulvior* Giordani Soika, 1941, replacement name], by monotypy.

Note: *Pararhaphidoglossa fulva* was replaced on account of secondary homonymy before 1961. Giordani Soika, 1978, *Boll. Mus. Civ. Stor. Nat. Venezia* 29: 291, incorrectly reinstated *P. fulva*.

Pararhynchium Saussure, 1862, *Stettin. Ent. Ztg.* 23: 182; Giordani Soika, 1973, *Boll. Mus. Civ. Stor. Nat. Venezia* 24: 122; Giordani Soika, 1986, *Boll. Mus. Civ. Stor. Nat. Venezia* 35: 141; Giordani Soika, 1986, *Lavori Soc. Ven. Sci. Nat.* 11: 77, 79. Incorrect spelling of *Pararrhynchium* Saussure.

Pararrhynchium Saussure, 1855, *Ét. Fam. Vesp.* 3: 173, division of genus *Rhynchium* Spinola.— Eumeninae; O P; N. Type species: *Rhynchium ornatum* Smith, 1852, by monotypy.

Note: Subjective synonym of *Prorhynchium* Saussure, 1855, which was rejected by van der Vecht, 1963, *Zool. Verh. Leiden* 60: 94, acting as first reviser.

Parastalor Blüthgen, 1939, *Veröff. Dt. Kolon. Übersee Mus. Bremen* 2: 264, subgenus of *Alastor* Lepeletier.— Eumeninae; P; M. Type species: *Alastor* (*Parastalor*) *algeriensis* Blüthgen, 1939, by monotypy.

Parasymmorphus Cumming and van der Vecht, 1986, *Ent. Ber. Amst.* 46: 23, subgenus of *Symmorphus* Wesmael.— Eumeninae; O; M. Type species: *Odynerus munganensis* Schulthess, 1934, by original designation.

Parastenancistrocerus Blüthgen, 1938, *Dt. Ent. Z.*: 444, 460, subgenus of "*Stenancistrocerus* Saussure" *sensu* Blüthgen [= *Eustenancistrocerus* Blüthgen].— Eumeninae; P; M. Type species: *Odynerus transitorius* Morawitz, 1867, by original designa-

nation. Subgenus of *Eustenancistrocerus* Blüthgen, 1938.

Note: Treated as a genus by Blüthgen, 1951, Mitt.Münch. Ent. Ges. 41: 173. In 1953, Mem. Estud. Mus. Zool. Univ. Coimbra 218: 8, he treated *Eustenancistrocerus* as a subgenus of *Parastenancistrocerus*, however Giordani Soika, 1952, Boll. Soc. Veneziana Stor. Nat. 6: 33, had already selected *Eustenancistrocerus* as the valid name for the single taxon.

Paratropancistrocerus Blüthgen, 1938, Dt. Ent. Z.: 442, 461, subgenus of *Atropancistrocerus* Blüthgen.— Eumeninae; P; M. Type species: *Odynerus transcaspicus* Kostylev, 1935, by original designation. Subgenus of *Stenancistrocerus* Saussure, 1863 (see Blüthgen, 1942, Mitt. Zool. Mus. Berl. 25: 314).

Paravespa Bell, 1936, J. Bombay Nat. Hist. Soc. 38: 803, 806, genus (2 species).— Stenogastrinae; O; F. Type species: *Paravespa eva* Bell, 1936 [= *Ischnogaster eximia eximoides* Dover and Rao, 1922], by present designation. Junior homonym of *Paravespa* Radoszkowski, 1886. Senior subjective synonym of *Eustenogaster* van der Vecht, 1966. **Syn. nov.**

Paravespa Radoszkowski, 1886, Hor. Soc. Ent. Ross. 20: 46, genus.— Eumeninae; P; F. Type species: *Paravespa komarowii* Radoszkowski, 1886 [= *Hoplomerus quadricolor* Morawitz, 1885], by monotypy. Senior subjective synonym of *Theletor* Kokujev, 1912.

Paravespula Blüthgen, 1938 (1937), Konowia 16: 271, subgenus of *Dolichovespula* Rohwer.— Vespinae; A P; F. Type species: *Vespa vulgaris* Linnaeus, 1758, by original designation. Junior subjective synonym of *Vespula* Thomson, 1869 (Carpenter, 1987, Syst. Ent. 12: 427).

Parazumia Saussure, 1855, Ét. Fam. Vesp. 3: 166, division of genus *Montezumia* Saussure (2 species).— Eumeninae; NT; F. Type species: *Odynerus ? carinulatus* Spinola, 1851, by subsequent designation of Bequaert, 1921, Rev. Zool. Afric. 9: 241. Senior subjective synonym of *Paranortonia* Bequaert, 1940. **Syn. nov.**

Notes: 1. Bequaert, 1940, Ann. Ent. Soc. Am. 33: 100, included *Odynerus carinulatus* in *Paranortonia* Bequaert.

2. Treated as a genus by Bertoni, 1934, Rev. Soc. Cient. Paraguay 3: 109.

Parepipona Giordani Soika, 1957, Brit. Mus. Exp. S. W. Arabia 1937-8, 1 (31): 477, subgenus of *Pseudepipona* Saussure. — Eumeninae; E O; F. Type species: "*Odynerus radialis* (Saussure)" [= *Rhynchium radiale* Saussure, 1855], by original designation. Junior objective synonym of *Kalliepipona* Giordani Soika, 1951, a junior subjective synonym of *Antodynerus* Saussure, 1855 (Giordani Soika, 1965, Boll. Soc. Ent. Ital. 94: 47).

Pareumenes Saussure, 1855, Ét. Fam. Vesp. 3: 133, division of genus *Eumenes* Latreille (4 species).— Eumeninae; E O P; M. Type species: *Eumenes quadrispinosus* Saussure, 1855, by subsequent designation of Bequaert, 1918, Bull. Am. Mus. Nat. Hist. 39: 271.

Pareuodynerus Blüthgen, 1938 (1937), Konowia 16: 278, subgenus of "*Euodynerus* Blüthgen" [= *Euodynerus* Dalla Torre].— Eumeninae; NA P; M. Type species: *Vespa notata* Jurine, 1807, by original designation. Junior subjective synonym of *Leionotus* Saussure, 1852, non Kirby and Spence, 1828. Subgenus of *Euodynerus* Dalla Torre, 1904.

Parhypodynerus Giordani Soika, 1973, Boll. Mus. Civ. Stor. Nat. Venezia 24: 110, genus.— Eumeninae; NT; M. Type species: *Odynerus pavidus* Kohl, 1905, by origi-

nal designation. Junior subjective synonym of *Stenodynerus* Saussure, 1863 (van der Vecht, 1977, Proc. K. Ned. Akad. Wet., Ser. C, 80: 238).

Parifodynerus Giordani Soika, 1962 (1961), Boll. Mus. Civ. Stor. Nat. Venezia 14: 64, 167, genus.— Eumeninae; A; M. Type species: *Parifodynerus parificus* Giordani Soika, 1962, by original designation.

Parischnogaster Schulthess, 1914, Zool. Jb. Syst. 37: 255, subgenus of *Ischnogaster* Guérin.— Stenogastrinae; O; F. Type species: *Ischnogaster mellyi* Saussure, 1852, by original designation. Senior subjective synonym of *Holischnogaster* van der Vecht, 1977.

Note: Raised to generic rank by Schulthess, 1927, Suppl. Ent. 16: 81.

Parodontodynerus Blüthgen, 1938 (1937), Konowia 16: 280, subgenus of "*Euodynerus* Blüthgen" [= *Euodynerus* Dalla Torre].— Eumeninae; P; M. Type species: *Eumenes ephippium* Klug, 1817, by original designation.

Note: Raised to generic rank by Blüthgen, 1938, Dt. Ent. Z.: 452, 458.

Parodynerus Saussure, 1855, Ét. Fam. Vesp. 3: 245, name for division I of subgenus *Odynerus* of genus *Odynerus* Latreille, in Saussure, 1852, loc. cit. 1: 155 (6 + 7 species); declared available from date of publication by Opinion 893 (ICZN, 1970).— Eumeninae; PAC; M (no.1867 of Official List of Generic Names in Zoology). Type species: "*Odynerus bicinctus* (F.)" [= *Vespa bicincta* Fabricius, 1781], by subsequent designation of Giordani Soika, 1958 (1957), Boll. Mus. Civ. Stor. Nat. Venezia 10: 214, who in the same paper listed the originally included *Odynerus bizonatus* Boisduval, 1833 (no. 2325 of Official List of Specific Names in Zoology), as a synonym of *Odynerus bicinctus* (F.); confirmed by Opinion 893.

Note: Bohart's designation of *Odynerus exilis* Herrich-Schaeffer as the type species (erroneously ascribed to Krombein by Giordani Soika, 1958, loc. cit.: 214) is not valid because this species was not originally included. Parker's (1966, Misc. Publ. Ent. Soc. Am. 5: 156) designation of *Odynerus exilis* Saussure, 1852 (in 1855 renamed *Odynerus extranaeus* by its author) is preceded by that of Giordani Soika. The latter author first treated this taxon as a genus.

Parrhynchium Dalla Torre, 1894, Cat. Hym. 9: 42. Incorrect spelling of *Pararrhynchium* Saussure.

Pedotheoeca Richards, 1978, Soc. Wasps Am.: v, 35, 113, subgenus of *Polybia* Lepeletier.— Polistinae; NT; F. Type species: *Polybia singularis* Ducke, 1909, by original designation.

Phi Saussure, 1854, Ét. Fam. Vesp. 2: 183, division III of subgenus *Polybia* of genus *Polybia* Lepeletier (10 species); at plates 23 and 24: division of genus *Polybia*.— Polistinae; NA NT; N. Type species: *Vespa phthisica* Fabricius, 1793, by subsequent designation of Bequaert, 1944, Bull. Mus. Comp. Zool. 94: 292. Senior subjective synonym of *Monocyttarus* Richards, 1978, q. v., a subgenus of *Mischocyttarus* Saussure, 1853.

Phi Saussure, 1855, Ét. Fam. Vesp. 3: 132, name for division IV of genus *Eumenes* Latreille in Saussure, 1852, loc. cit. 1: 63, 145 (4 + 2 species).— Eumeninae; A O; N. Type species: *Vespa arcuata* Fabricius, 1775, by subsequent designation of Bequaert, 1926, Ann. S. Afr. Mus. 23: 487. Junior homonym of *Phi* Saussure, 1854.

Note: The homonymy of this name was pointed out by Carpenter, 1986, Psyche 93: 68, who treated it as a synonym of *Delta* Saussure, 1855. This has been overlooked by several recent authors (Giordani Soika, 1987, Boll. Mus. Civ. Stor.

Nat. Venezia 37: 150; Giordani Soika and Kojima, 1988, Boll. Mus. Civ. Stor. Nat. Venezia 38: 181; Gusenleitner, 1988, Linzer Biol. Beitr. 20: 184), who used the unavailable name.

Pinta Zavattari, 1912, Arch. Naturgesch. 78A (4): 6, 151, genus.— Eumeninae; NT; F. Type species: *Montezumia chalybea* Saussure, 1855, by original designation. Junior objective synonym of *Antezumia* Saussure, 1875.

Pirhosigma Giordani Soika, 1978, Boll. Mus. Civ. Stor. Nat. Venezia 29: 11, 229, genus.— Eumeninae; NT; N. Type species: *Eumenes simulans* Saussure, 1875, by original designation.

Note: Subjective synonym of *Tricomenes* Giordani Soika, 1978, which was rejected by Carpenter and van der Vecht (1990), acting as first reviser.

Plagiolabra Schulthess, 1903 (March), Verh. Zool.-Bot. Ges. Wien 53: 361, 365, genus.— Eumeninae; NT; F. Type species: *Plagiolabra nigra* Schulthess, 1903, by monotypy. Senior subjective synonym of *Leontiniella* Brèthes, Sept. 1903.

Platycephala Richards, 1978, Soc. Wasps Am.: 46. Incorrect spelling of *Platypolybia* Richards.

Platypolybia Richards, 1978, Soc. Wasps Am.: v, 35, 124, subgenus of *Polybia* Lepeletier.— Polistinae; NT; F. Type species: *Polybia incerta* Ducke, 1907, by original designation.

Plesiomasaris Cameron, 1904, Trans. Am. Ent. Soc. 30: 266, genus.— Euparagiinae; NA; M. Type species: *Plesiomasaris maculiceps* Cameron, 1904, by monotypy. Junior subjective synonym of *Euparagia* Cresson, 1879 (Bradley, 1922, Univ. California Publ., Ent. 1: 383).

Plesiozethus Cameron, 1905, Entomologist 38: 269, replacement name for *Zethoides* Cameron, 1904, non Fox, 1899.— Masarinae; NT; M. Type species: *Zethoides flavolineatus* Cameron, 1904 [= *Paramasaris fuscipennis* Cameron, 1901], by monotypy as type species of *Zethoides* Cameron. Junior synonym of *Paramasaris* Cameron, 1901 (Bequaert, 1928, Ann. Mag. Nat. Hist. (10) 2: 141, synonymized the type species).

Polistarchus Richards, 1973, Rev. Bras. Ent. 17: 94, 95, 101, subgenus of *Polistes* Latreille.— Polistinae; NA NT; M. Type species: *Vespa canadensis* Linnaeus, 1758, by original designation. Junior subjective synonym of *Aphanilopterus* Meunier, 1888 (Richards, 1978, Soc. Wasps Am.: 437-438).

Polistella Ashmead, 1904, Proc. U. S. Natn. Mus. 28: 133, genus.— Polistinae; A E O; F. Type species: *Polistes manillensis* Saussure, 1853, by original designation. Subgenus of *Polistes* Latreille, 1802 (Richards, 1973, Rev. Bras. Ent. 17: 93, 98).

Note: Bequaert (1930, Pan-Pacif. Ent. 7: 92) has pointed out that *Polistella* was described from misidentified specimens of *Protopolybia sedula* (Saussure) [= *P. exigua* (Saussure)]. According to Article 70(b) of the Code, the ICZN is to designate as type species whichever nominal species will best serve nomenclatural stability. Clearly, that would be *Polistes manillensis*.

Polistepipona Giordani Soika, 1989, Lavori Soc. Ven. Sci. Nat. 14: 19, 51, genus.— Eumeninae; P; F. Type species: "*Odynerus polistiformis* G. S." [= *Pseudepipona polistiformis* Giordani Soika, 1950], by original designation.

Polistes Latreille, 1802, Hist. Nat. Crust. Ins. 3: 363, genus (6 species).— Polistinae; A E NA NT O P PAC; M. Type species: *Vespa gallica* Linnaeus, 1767, by subsequent designation of Blanchard, 1840, Hist. Nat. Anim. Artic. 3: 397. Senior objective

synonym of *Eupolistes* Dalla Torre, 1904; senior subjective synonym of *Sulcopolistes* Blüthgen, 1938, *Polistula* Weyrauch, 1939, *Pseudopolistes* Weyrauch, 1939, and of *Leptopolistes* Blüthgen, 1943.

Polistoides Dalla Torre, 1904, *Genera Insect.* 19: 68, name for division II of genus *Polistes* Latreille in Saussure, 1854, *Ét. Fam. Vesp.* 2: 100.— Polistinae; NT; M. Type species: *Polistes subsericeus* Saussure, 1854, by monotypy. Junior homonym of *Polistoides* Loew, 1873 (Diptera). Subjective synonym of *Epicnemius* Richards, 1973 (see Richards, 1973, *Rev. Bras. Ent.* 17: 102).

Polistratus Cameron, 1906, *Nova Guinea* 5, *Zool.* 1: 59, genus.— Polistinae; A; M. Type species: *Polistratus cariniscutis* Cameron, 1906 [= *Icaria brunnea* Smith, 1858], by monotypy. Subgenus of *Ropalidia* Guérin, 1831 (Richards, 1978, *Austr. J. Zool.*, *Suppl. Ser.* 61: 51, 56).

Note: In our opinion *Ropalidia xanthura* (Saussure) was erroneously placed in this subgenus by Richards (1978, *loc. cit.*: 57).

Polistula Weyrauch, 1939, *Arch. Naturgesch.*, N. F. 8 (2): 148, genus.— Polistinae; P; F. Type species: *Polistes kohli* Dalla Torre, 1904 [= *Polistes biglumis bimaculatus* Geoffroy, 1785], by original designation. Junior subjective synonym of *Polistes* Latreille, 1802 (Blüthgen, 1943, *Arch. Naturgesch.*, N. F. 12 (1): 94).

Polybia Lepeletier, 1836, *Hist. Nat. Ins. Hym.* 1: 533, genus (3 species).— Polistinae; NA NT; F. Type species: *Polistes liliacea* Fabricius, 1804, by subsequent designation of Ashmead, 1902, *Can. Ent.* 34: 166. Senior objective synonym of *Iota* Saussure, 1854, and of *Eupolybia* Dalla Torre, 1904

Polybioides Buysson, 1913, *Bull. Soc. Ent. Fr.*: 299, genus (3 species).— Polistinae; E O; M. Type species: "*Polybioides tabidus* (F.)" [= *Vespa tabida* Fabricius, 1781], by subsequent designation of Ducke, 1914, *Zool. Jahrb. Syst.* 36: 330.

Polystes Buysson, 1892, *Ann. Soc. Ent. Fr.* 61: 59; H. von Ihering, 1896, *Zool. Anz.* 19: 452. Incorrect spelling of *Polistes* Latreille.

Postepipona Giordani Soika, 1974, *Boll. Mus. Civ. Stor. Nat. Venezia* 25: 71, 77, genus.— Eumeninae; E; F. Type species: *Postepipona socotrae* Giordani Soika, 1974, by original designation and monotypy.

Proepipona Giordani Soika, 1977, *Steenstrupia* 4: 125, 126, genus.— Eumeninae; E; F. Type species: *Vespa lateralis* Fabricius, 1781, by original designation.

Prorrhynchium Saussure, 1855, *Ét. Fam. Vesp.* 3: 174, division of genus *Rhynchium* Spinola.— Eumeninae; O P; N. Type species: *Rhynchium smithii* Saussure, 1855, by monotypy.

Note: Subjective synonym of *Pararrhynchium* Saussure, 1855; rejected by van der Vecht, 1963, *Zool. Verh. Leiden* 60: 94, acting as first reviser.

Prorrhynchium Saussure, 1856, *Ét. Fam. Vesp.* 3: 8 (Table des Matières), 348 (Index). Incorrect spelling of *Prorrhynchium* Saussure.

Protapoica Dalla Torre, 1904, *Genera Insect.* 19: 79, name for group I of genus *Apoica* Lepeletier in Saussure, 1854, *Ét. Fam. Vesp.* 2: 107 (2 species).— Polistinae; NT; F. Type species: *Vespa pallida* Olivier, 1791, by subsequent designation of Richards, 1978, *Soc. Wasps Am.*: 264. Junior objective synonym of *Apoica* Lepeletier, 1836.

Protodiscoelius Dalla Torre, 1904, *Genera Insect.* 19: 18, name for group I of genus *Discoelius* Latreille in Saussure, 1852, *Ét. Fam. Vesp.* 2: 24, as a group of genus *Discoelius* (2 species).— Eumeninae; NT; M. Type species: "*Epipona chilensis* Spinola, 1851 = *Discoelius merula* Haliday, 1836", by subsequent designation of

- Bequaert and Ruiz, 1942 (1940), Rev. Chil. Hist. Nat. 44: 217. Senior objective synonym of *Neodiscoelius* Stange, 1979.
- Protodynerus** Saussure, 1855, Ét. Fam. Vesp. 3: 184, 186, subgenus of *Odynerus* Latreille.— Eumeninae; NA P; M. Unnecessary replacement name for *Symmorphus* Wesmael, 1836, thought to be preoccupied by *Symmorpha* Klug, 1807 (Hymenoptera). Junior objective synonym of *Symmorphus* Wesmael, 1836.
- Protonectarina** Ducke, 1910, Ann. Hist.-Nat. Mus. Natn. Hung. 8: 477, genus.— Polistinae; NT; F. Type species: *Polybia sylveirae* Saussure, 1854, by monotypy.
- Protopolybia** Ducke, 1905, Revue Ent. 24: 7, 9, 17, genus (9 species, partly doubtful).— Polistinae; NT; F. Type species: *Polybia bella* R. von Ihering, 1903, by subsequent designation of Bequaert, 1944, Rev. Ent. Rio de J. 15: 97.
Note: Subjective synonym of *Pseudochartergus* Ducke, 1905, which was rejected by Carpenter and Wenzel, 1990 (1989), Psyche 96: 185, acting as first reviser.
- Protozethus** Bertoni, 1926, Rev. Soc. Cient. Paraguay 2: 75, genus.— Eumeninae; NT; M. Type species: *Zethus olmecus* Saussure, 1875, by monotypy. Junior subjective synonym of *Zethoides* Fox, 1899, a subgenus of *Zethus* Fabricius (Bohart and Stange, 1965, Univ. Calif. Publ. Ent. 40: 150).
- Provespa** Ashmead, 1903, Ent. News 14: 182, genus.— Vespinae; O; F. Type species: *Vespa dorylloides* Saussure, 1854 [= *Vespa anomala* Saussure, 1854], by original designation.
- Pseudabispa** van der Vecht, 1960, Nova Guinea, Zool. 6: 91, 102, genus.— Eumeninae; A; F. Type species: *Odynerus abispoides* Perkins, 1912, by original designation.
- Pseudacaromenes** Giordani Soika, 1978, Boll. Mus. Civ. Stor. Nat. Venezia 29: 15, genus.— Eumeninae; NT; M. Type species: *Eumenes alfkeni* Ducke, 1904, by original designation.
- Pseudagrís** Saussure, 1863, Mém. Soc. Phys. Hist. Nat. Genève 17: 203, division of genus *Synagrís* Latreille.— Eumeninae; E; F. Type species: *Synagrís carinata* Saussure, 1863, by monotypy. Subgenus of *Synagrís* Latreille, 1802 (Maidl, 1914, Denkschr. Akad. Wiss., Wien, Math-Naturw. Kl. 91: 243).
Note: Treated as a genus by Giordani Soika, 1987, Boll. Mus. Civ. Stor. Nat. Venezia 37: 154, a course we do not accept.
- Pseudalastor** Giordani Soika, 1962 (1961), Boll. Mus. Civ. Stor. Nat. Venezia 14: 65, 131, genus.— Eumeninae; A; M. Type species: *Odynerus concolor* Saussure, 1853, by original designation.
- Pseudepipona** Saussure, 1856, Ét. Fam. Vesp. 3: 309, division of subgenus "*Epipona* Shuckard" [*sensu* Saussure; an incorrect spelling of *Epipone* Kirby and Spence] of genus *Odynerus* Latreille; declared available from date of publication by Opinion 893 (ICZN, 1970) [*"Pseudopipona"*].— Eumeninae; NA P; F (no. 1868 of Official List of Generic Names in Zoology). Type species: *Odynerus herrichii* Saussure, 1856, by monotypy (no. 2334 of Official List of Specific Names in Zoology). Senior subjective synonym of *Trichepipona* Blüthgen, 1951, *Leptepipona* Blüthgen, 1951, and of *Metepipona* Blüthgen, 1951.
Note: Raised to generic rank by Blüthgen, 1938, Dt. Ent. Z.: 450, 459.
- Pseudepipone** Bytinski-Salz and Gusenleitner, 1971, Israel J. Ent. 6: 298. Incorrect spelling of *Pseudepipona* Saussure.
- Pseudoacaromenes** in 1981, Zool. Record 115, 1978, Insecta part E: 262; List new gen. and subg. names: 14, 39. Incorrect spelling of *Pseudacaromenes* Giordani Soika.

Pseudochartergus Ducke, 1905, *Revue Ent.* 24: 9, 15, genus (2 species).— Polistinae; NT; M. Type species: *Charterginus cinctellus* Fox, 1898 [= *Nectarina chartergoides* Gribodo, 1891], by subsequent designation of Bequaert, 1938, *Rev. Ent. Rio de J.* 9: 103.

Note: Subjective synonym of *Protopolybia* Ducke, 1905; rejected by Carpenter and Wenzel, 1990 (1989), *Psyche* 96: 185, acting as first reviser.

Pseudochilus Saussure, 1856, *Ét. Fam. Vesp.* 3: 321, name for division I of *Pterochilus* (!) Klug in Saussure, 1853, *loc. cit.* 1: 238.— Eumeninae; E; M. Type species: *Pterochilus glabripalpis* Saussure, 1856, by monotypy.

Note: Raised to generic rank by Giordani Soika, 1936, *Ann. Mus. Civ. Stor. Nat. Genova* 57: 63.

Pseudodontodynerus Blüthgen, 1939, *Veröff. Dt. Kolon. Übersee Mus. Bremen* 2: 249, genus.— Eumeninae; E O P; M. Type species: *Odynerus pretiosus* Dusmet, 1928, by monotypy.

Pseudodynerus Saussure, 1855, *Ét. Fam. Vesp.* 3: 220, division of subgenus *Ancistrocerus* Wesmael of *Odynerus* Latreille, in footnote said to correspond to section B2 of division II of subgenus *Ancistrocerus* in Saussure, 1852, *loc. cit.* 1: 145; declared available from date of publication by Opinion 893 (ICZN, 1970).— Eumeninae; NA NT; M (no. 1869 of Official List of Generic Names in Zoology). Type species: *Odynerus luctuosus* Saussure, 1855, by monotypy (no. 2336 of Official List of Specific Names in Zoology).

Note: Raised to generic rank by Bequaert, 1941, *Am. Mus. Novit.* 1106: 1

Pseudokalliepipona Giordani Soika, 1955, *Ann. Mus. R. Congo Belge, Zool.* 36: 366, subgenus of *Pseudepipona* Saussure.— Eumeninae; E; F. Type species: *Odynerus bellatulus* Saussure, 1853, by original designation. Junior subjective synonym of *Antodynerus* Saussure, 1855 (Giordani Soika, 1965, *Boll. Soc. Ent. Ital.* 95: 47).

Pseudoleptochilus Blüthgen, 1938 (1937), *Konowia* 16: 294, genus.— Eumeninae; P; M. Type species: "*Lionotus frenchi* Dusmet 1917" [= *Odynerus frenchi* Dusmet, 1917], by original designation.

Pseudolionotulus Blüthgen, 1938, *Dt. Ent. Z.*: 446, 454. Incorrect spelling of *Paralio-notulus* Blüthgen.

Pseudomasaris Ashmead, 1902, *Can. Ent.* 34: 221, genus.— Masarinae; NA; M. Type species: *Masaris occidentalis* Cresson, 1871, by original designation.

Pseudomicrodynerus Blüthgen, 1938 (1937), *Konowia* 16: 276, genus.— Eumeninae; P; M. Type species: "*Microdynerus parvulus* (H.-Sch.)" [= *Odynerus parvulus* Herrich-Schaeffer, 1838], by original designation. Subgenus of *Microdynerus* Thomson, 1874 (Kurzenko, 1982 (1981), *Hym. Far East* 1981, *Acad. Sci. U.S.S.R.*: 101).

Pseudomyicrodynerus Gusenleitner, 1977, *Linzer Biol. Beitr.* 9: 138. Incorrect spelling of *Pseudomicrodynerus* Blüthgen.

Pseudonortania Burnham, 1978, *Psyche* 85: 100, 101. Incorrect spelling of *Pseudonortonia* Timon-David.

Pseudonortonia Giordani Soika, 1936, *Ann. Mus. Civ. Stor. Nat. Genova* 59: 268, genus.— Eumeninae; E O P; F. Type species: *Odynerus difformis* Saussure, 1853, by original designation. Senior subjective synonym of *Subancistroceroides* Blüthgen, 1938.

Pseudonortonia Timon-David, 1944, *Bull. Soc. Ent. Fr.* 49: 41, genus.— Eumeninae; P;

- F. Type species: *Pseudonortonia sepulta* Timon-David, 1944, by monotypy. Fossil taxon from the Lower Oligocene. Junior homonym of *Pseudonortonia* Giordani Soika, 1936. Replaced by *Eunortonia* F. Carpenter, 1985.
- Pseudopipona*** Giordani Soika, 1952, Boll. Soc. Veneziana Stor. Nat. 6: 46, 47; ICZN, 1970, Opinion 893, Bull. Zool. Nom. 26: 187; Giordani Soika, 1976, Acta Zool. Hung. 22: 274. Incorrect spelling of *Pseudepipona* Saussure.
- Pseudopolistes*** Weyrauch, 1937, Zool. Jb. (Syst.) 70: 266, 274, genus (3 species).— Polistinae; P; M. Unavailable; no type species designated.
- Pseudopolistes*** Weyrauch, 1939, Arch. Naturgesch., N. F. 8(2): 195, reference to *Pseudopolistes* Weyrauch, 1937.— Polistinae; P; M. Type species: *Polistes sulcifer* Zimmermann, 1930, by original designation. Validation by type selection of *Pseudopolistes* Weyrauch, 1937. Junior subjective synonym of *Sulcopolistes* Blüthgen, 1938 (Blüthgen, 1943, Arch. Naturgesch., N. F. 12(1): 94).
- Pseudopolybia*** Saussure, 1863, Mém. Soc. Phys. Hist. Nat. Genève 17: 237, division of genus *Polybia* Lepeletier, 1836.— Polistinae; NT; F. Type species: *Polybia vespiceps* Saussure, 1863, by monotypy.
- Notes: 1. Raised to generic rank by Ducke, 1914, Zool. Jb., Syst. 36: 306, 327.
2. Richards, 1978, Soc. Wasps Am.: 33, 223, cited Dalla Torre, 1894: 161, as the author of this genus, but this was not in agreement with the revised Article 11(f)(ii) of the Code (1974, Bull. Zool. Nom. 31 (2): 79), nor with Article 10(e) of the present Code. See Carpenter and Day (1988, Proc. Ent. Soc. Wash. 90: 323-328).
- Pseudopolybia*** H. von Ihering, 1896, Bull. Soc. Zool. Fr. 21: 159-162; Zool. Anz. 19: 452, genus (2 species).— Polistinae; NT; F. Type species: "*Polistes ignobilis* Haliday, 1836 = *Vespa atra* Olivier, 1791" [= *Polybia socialis* Saussure, 1854] by subsequent designation of Bequaert, 1933, Entomologica Am. 13: 112. Junior homonym of *Pseudopolybia* Saussure, 1863. Junior subjective synonym of *Mischocyttarus* Saussure, 1853 (Bequaert, 1933, Entomologica Am. 13: 112).
- Note: The author used this name for two species of *Polybia* Lepeletier, *P. vicina* Saussure and *P. ignobilis* (Haliday), of which he considered the nest construction to be the same as in *Polistes* Latreille. *Polybia ignobilis* (Haliday) is considered to have been misidentified by Saussure (see Bequaert, 1943, Ann. Ent. Soc. Am. 36: 717-729), and *P. vicina* is now placed in the genus *Agelaia* Lepeletier.
- Pseudopterocheilus*** Perkins, 1901, Ent. Mon. Mag. 37: 266, genus.— Eumeninae; PAC; M. Type species: *Odynerus pterocheiloides* Perkins, 1899, by original designation.
- Note: Bohart, 1940, Ann. Ent. Soc. Am. 33: 164, incorrectly gave *Odynerus relictus* Perkins, 1899, as the type species.
- Pseudopterochilus*** Dalla Torre, 1904, Genera Insect. 19: 39. Incorrect spelling of *Pseudopterocheilus* Perkins.
- Pseudopterochilus*** Kostylev, 1940, Bull. Soc. Nat. Moscou, Sect. Biol. (N. S.) 49 (3-4): 153, subgenus of *Pterocheilus* (!) Klug (5 species).— Eumeninae; P; M. Unavailable; no type species designated.
- Pseudopterochilus*** van der Vecht, 1972, Hym. Cat. 8: 19, reference to *Pseudopterochilus* Kostylev.— Eumeninae; P; M. Type species: "*Pterocheilus bembeciformis* (Morawitz)" [= *Odynerus (Pterocheilus) bembeciformis* Morawitz, 1867], by original designation. Validation by type selection of *Pseudopterochilus* Kostylev, 1940. Junior

synonym of *Hemipterochilus* Ferton, 1909 (van der Vecht, 1972, Hym. Cat. 8: 19).

Note: The type species of this genus is generally considered to be conspecific with that of *Hemipterochilus* Ferton, *H. terricola* (Mocsáry, 1883).

Pseudosymmorphus Blüthgen, 1938 (1937), *Konowia* 16: 293, genus.— Eumeninae; P; M. Type species: "*Lionotus Hindenburgi* Dusmet 1917" [= *Odynerus hindenburgi* Dusmet, 1917], by original designation and monotypy.

Pseudovespa Schmiedeknecht, 1881, *Ent. Nachr.* 7: 314, subgenus of *Vespa* Linnaeus.— Vespinae; NA P; F. Type species: *Vespa austriaca* Panzer, 1799, by monotypy. Junior objective synonym of *Vespula* Thomson, 1869.

Pseudovespula Bischoff, 1931 (1930), *Sber. Ges. Naturf. Freunde Berl.*: 346, subgenus of *Pseudovespa* Schmiedeknecht.— Vespinae; NA P; F. Type species: "*Ps. adulterina* Buyss." [= *Vespa norwegica* var. *adulterina* Buysson, 1905], by original designation. Junior subjective synonym of *Dolichovespula* Rohwer, 1916 (Carpenter, 1987, *Syst. Ent.* 12: 427).

Pseudozethus Perkins, 1914, *Proc. Zool. Soc. Lond.*: 622, genus.— Eumeninae; A; M. Type species: *Pseudozethus australensis* Perkins, 1914 [= *Discoelius verreauxii* Saussure, 1852], by monotypy. Junior synonym of *Deuterodiscoelius* Dalla Torre, 1904 (Giordani Soika, 1977 (1976), *Mem. Soc. Ent. Ital.* 55: 109).

Pseudozumia Saussure, 1875, *Smiths. Misc. Coll.* 254: 128, division of genus *Montezumia* Saussure.— Eumeninae; O; F. Type species: *Montezumia indica* Saussure, 1855, by monotypy.

Note: Raised to generic rank by Giordani Soika, 1941, *Boll. Soc. Veneziana Stor. Nat.* 2: 162.

Pseudzumia Dalla Torre, 1894, *Cat. Hym.* 9: 38. Incorrect spelling of *Pseudozumia* Saussure.

Pseumenes Giordani Soika, 1935, *Ann. Mus. Civ. Stor. Nat. Genova* 57: 145, subgenus of *Pareumenes* Saussure.— Eumeninae; A O P; M. Type species: *Eumenes eximius* Smith, 1861, by original designation.

Note: Raised to generic rank by van der Vecht, 1963, *Zool. Verh. Leiden* 60: 16.

Psiliglossa S. S. Saunders, 1872, *Trans. Ent. Soc. Lond.*: 42, genus, replacement name for *Stenoglossa* Saussure, 1852, *non* Chaudoir, 1841.— Eumeninae; P; F. Type species: *Raphiglossa odyneroides* S. S. Saunders, 1850, by monotypy as type species of *Stenoglossa* Saussure.

Note: S. S. Saunders, 1873, *Trans. Ent. Soc. Lond.*, erroneously cited *Psiliglossa* as published in 1862.

Psiloglossa Dalla Torre, 1894, *Cat. Hym.* 9: 8; Panfilov, 1968, *Arch. Zool. Mus. Moscow St. Univ.* 11: 42. Unjustified emendation of *Psiliglossa* S. S. Saunders, 1872.

Pterocheilus Klug, 1805, *Beitr. Naturk.* 1: 143, genus (3 species).— Eumeninae; NA P; M. Type species: *Vespa phalerata* Panzer, 1797, by subsequent designation of Blanchard, 1840, *Hist. Nat. Anim. Artic.* 3: 389.

Note: Bingham (1897, *Fauna Brit. India*, Hym. 1: 373), Ashmead (1902, *Can. Ent.* 34: 208) and Blüthgen (1939, *Mitt. Ent. Ges. Halle* 17: 10; 1961, *Abh. Dt. Akad. Wiss. Berl., Kl. Chem., Geol. Biol.* (2): 229) incorrectly accepted *Pterocheilus pallasii* Klug, 1805, as the type species.

Pterochile Blanchard, 1840, *Hist. Nat. Anim. Artic.* 3: 389. Incorrect spelling or unjustified emendation of *Pterocheilus* Klug.

Pterochilus Illiger, 1807, *Magaz. Insektenk.* 6: 196. Incorrect spelling or unjustified

emendation of *Pterocheilus* Klug.

Pterochylus Saussure, 1853, Ét. Fam. Vesp. 1: 239, footnote. Incorrect spelling of *Pterocheilus* Klug.

Pteromenes Giordani Soika, 1961 (1960), Atti Soc. Ital. Sci. Nat. and Mus. Civ. Stor. Nat. Milano 99: 389, 407, genus.— Eumeninae; E; M. Type species: *Pterochilus paradisiacus* Giordani Soika, 1941 by original designation.

Quartinia André, 1884, Spec. Hym. Europe II: 811, 822, genus.— Masarinae; E O P; F. Type species: *Quartinia dilecta* André, by monotypy. Senior subjective synonym of *Quartiniella* Schulthess, 1929, and of *Quartinioides* Richards, 1962.

Quartiniella Schulthess, 1929, Ann. Mag. Nat. Hist. 10 (3): 504, 510, genus.— Masarinae; E; F. Type species: *Quartiniella waterstoni* Schulthess, 1929, by monotypy. Junior subjective synonym of *Quartinia* André, 1884 (Carpenter, 1990b).

Quartinioides Richards, 1962, Revision. Study Masarid Wasps: 127, 170, genus.— Masarinae; E; M. Type species: *Quartinia capensis* Kohl, 1898, by original designation. Junior subjective synonym of *Quartinia* André, 1884 (Carpenter, 1990b).

Raphigaster Saussure, 1853, Ét. Fam. Vesp. 2: 12, genus (7 species).— Polistinae; E O; F. Junior homonym of *Raphigaster* Laporte, 1832 (Hemiptera). Replaced by *Belonogaster* Saussure, 1854.

Note: Bingham, 1897, Fauna Brit. India, Hym. 1: 381, designated *Vespa juncea* Fabricius, 1781, as the type species of *Belonogaster*.

Raphiglossa S. S. Saunders, 1850, Trans. Ent. Soc. Lond. (2)1: 71, 17 (Proc.), genus (2 species).— Eumeninae; E P; F. Type species: *Raphiglossa eumenoides* S. S. Saunders, 1850, by subsequent designation of Ashmead, 1902, Can. Ent. 34: 206.

Raphiglossoides Giordani Soika, 1936, Boll. Soc. Ent. Ital. 68: 77, genus.— Eumeninae; E; M. Type species: *Raphiglossoides aethiopicus* Giordani Soika, 1936 by original designation and monotypy.

Rhaphidoglossa Dalla Torre, 1894, Cat. Hym. 9: 7. Unjustified emendation of *Raphiglossa* S. S. Saunders, 1850.

Rhaphigaster Dalla Torre, 1894, Cat. Hym. 9: 114, 179 Bingham, 1897, Fauna Brit. India, Hym. 1: 381, 576. Incorrect spelling of *Raphigaster* Saussure.

Rhopalia Guérin, 1838, in Duperrey, Voyage de la Coquille, Zool. 2: 317 (in explanation of plates). Incorrect spelling of *Ropalidia* Guérin.

Rhopalidia Lepeletier, 1836, Hist. Nat. Ins. Hym. I: 538, genus (2 species).— Polistinae; NT; F. Type species: *Rhopalidia pallens* Lepeletier, 1836, by subsequent designation of Schulz (1912, Berl. Ent. Z. 57: 60). Unavailable; suppressed under the plenary powers of the ICZN (1976, Opinion 1051) (no. 2072 of Official Index of Rejected and Invalid Generic Names in Zoology).

Note: See *Angiopolybia* Araujo.

Rhopalidia Guérin, 1838, in Duperrey, Voyage de la Coquille, Zool. 2: 266. Incorrect spelling of *Ropalidia* Guérin.

Rhygchium Saussure, 1853, Ét. Fam. Vesp. 1: xxxi, 276. Incorrect spelling of *Rhynchium* Spinola, placed on Official Index of Rejected and Invalid Generic Names in Zoology (as no. 1771) by Opinion 747 (ICZN, 1965).

Rhynchagris Maidl, 1914, Anz. Akad. Wiss. Wien 51: 97, subgenus of *Synagris* Latreille.— Eumeninae; E; F. Type species: *Synagris vicaria* Stadelmann, 1898, by monotypy.

Note: Treated as a genus by Giordani Soika, 1987, Boll. Mus. Civ. Stor. Nat. Ve-

nezia 37: 154, a course we do not accept.

Rhynchalastor Meade-Waldo, 1910, Ann. Mag. Nat. Hist. (8) 6: 110, genus.— Eumeninae; E; M. Type species: *Rhynchalastor fuscipennis* Meade-Waldo, 1910, by monotypy.

Rhynchium Spinola, 1806, Ins. Ligur. 1: 84, genus, emendation of *Rygchium* validated by Opinion 747 (ICZN, 1965).— Eumeninae; A E O P; N (no. 1688 of Official List of Generic Names in Zoology). Type species: *Rygchium* [sic!] *europaeum* Spinola, 1806 [= *Vespa oculata* Fabricius, 1781], by monotypy (no. 2095 of Official List of Specific Names in Zoology). Senior objective synonym of *Eurrhynchium* Dalla Torre, 1904.

Note: The originally proposed name *Rygchium* was ruled to be an incorrect original spelling by Opinion 747.

Rhynchium Spinola; Billberg, 1820, Enum. Ins.: 109, emendation of *Rygchium* Spinola, 1806 (as *Rychium* !), validated and placed on Official List of Generic Names in Zoology (as no. 1688) by Opinion 747 (ICZN, 1965).

Rhynchiium Saussure, 1863, Mém. Soc. Phys. Hist. Nat. Genève 17: 242 (Index). Incorrect spelling of *Rhynchium* Spinola.

Riekia Richards, 1962, Revision. Study Masarid Wasps: 4, 53, 54, genus.— Masarinae; A; F. Type species: *Riekia nocatunga* Richards, 1962, by original designation and monotypy. Junior subjective synonym of *Metaparagia* Meade-Waldo, 1911 (Carpenter, 1990b).

Rolandia Richards, 1962, Revision. Study Masarid Wasps: 4, 53, 57, genus.— Masarinae A; F. Type species: *Paragia maculata* Meade-Waldo, 1910, by original designation and monotypy. Junior subjective synonym of *Metaparagia* Meade-Waldo, 1911 (Carpenter, 1990b).

Ropalidia Guérin, 1831, in Duperrey, Voyage de la Coquille, Zool., Ins., Atlas: pl. 9, fig. 8, genus.— Polistinae; A E O; F. Type species: *Ropalidia maculiventris* Guérin, 1831, by monotypy. Senior objective synonym of *Icaria* Saussure, 1853.

Rugovespula Archer, 1982, Kontyû 50 (2): 261, 264, subgenus of *Vespula* Thomson.— Vespinae; O P; F. Type species: *Vespa koreensis* Radoszkowski, 1887, by original designation. Junior subjective synonym of *Vespula* Thomson, 1869 (Carpenter, 1987, Syst. Ent. 12: 427).

Rychium Billberg, 1820, Enum. Ins.: 109. Incorrect spelling of *Rhynchium* Spinola, placed on Official Index of Rejected and Invalid Generic Names in Zoology (as no. 1769) by Opinion 747 (ICZN, 1965).

Rygchium Spinola, 1806, Ins. Ligur. 1: 84, genus. Incorrect original spelling of *Rhynchium* Spinola, placed on Official Index of Rejected and Invalid Generic Names in Zoology (as no. 1768) by Opinion 747 (ICZN, 1965).

Rygohium Willink, 1982, Bol. Acad. Nac. Cienc. 55: 195. Incorrect spelling of *Rygchium* Spinola.

Rynchium Sturm, 1829, Verz. Ins. Nürnberg: 12; Valletta, 1971, Entomologist's Mon. Mag. 107. Unjustified emendation of *Rhynchium* Spinola, placed on Official Index of Rejected and Invalid Generic Names in Zoology (as no. 1770) by Opinion 747 (ICZN, 1965).

Sarochilus Gusenleitner, 1970, Israel J. Ent. 5: 57, subgenus of *Leptochilus* Saussure.— Eumeninae; P; M. Type species: *Leptochilus alterego* Gusenleitner, 1970 by original designation.

Saryara Kuznetsov, 1923, J. Turkestan Branch Russ. Geograph. Soc. 16: 127, genus (2 species).— Masarinae; P; F. Type species: *Saryara longicornis* Kuznetsov, 1923, by present designation. Junior subjective synonym of *Masaris* Fabricius, 1793.

Note: Kostylev (1925, Ent. Mitt. 14: 150) assigned *longicornis* to *Masaris*; the second originally included species, *Saryara octoannulata* Kuznetsov, 1923, was assigned to *Celonites* Latreille. Kostylev synonymized *Saryara* with *Masaris*, but did not designate a type species.

Sinagris Deshayes and Milne Edwards, 1835, in Lamarck, Hist. Nat. Anim. sans Vert., Ed. 2, 4: 299. Incorrect spelling of *Synagris* Latreille.

Smeringodynerus Snelling, 1975, Proc. Ent. Soc. Wash. 77: 56, genus.— Eumeninae; NA; M. Type species: *Odynerus morelios* Saussure, 1857, by original designation and monotypy.

Smithia Saussure, 1855, Rev. Mag. Zool. (2) 7: 371, genus.— Eumeninae; E; F. Type species: *Smithia natalensis* Saussure, 1855, by monotypy. Junior homonym of *Smithia* Edwards and Haime, 1851 (Coelenterata) (see *Hymenosmithia* Dalla Torre). Senior subjective synonym of *Micreumenes* Ashmead, 1902 (Giordani Soika, 1979, Boll. Mus. Civ. Stor. Nat. Venezia 30: 276).

Sphaeromenes Giordani Soika, 1978, Boll. Mus. Civ. Stor. Nat. Venezia 29: 12, 225, genus.— Eumeninae; NT; M. Type species: *Sphaeromenes discrepatus* Giordani Soika, by original designation and monotypy.

Spinicoxa Blüthgen, 1938 (1937), Konowia 16: 285, subgenus of "*Hoplomerus* (Westwood) Agassiz" [= *Odynerus* Latreille].— Eumeninae; P; F. Type species: *Vespa reniformis* Gmelin, 1790, by original designation. Subgenus of *Odynerus* Latreille, 1802.

Spinilabochilus Kurzenko, 1982 (1981), Hym. Far East, Acad. Sci. U.S.S.R.: 81, 91, 97, genus.— Eumeninae; P; M. Type species: *Spinilabochilus turcmenicus* Kurzenko, 1982, by original designation.

Stellepipona Giordani Soika, 1973, Boll. Mus. Civ. Stor. Nat. Venezia 24: 106, genus.— Eumeninae; E; F. Type species: *Odynerus stellenboschensis* Cameron, 1905 [= *Odynerus aequinoxialis* Saussure, 1856], by original designation.

Stelopolybia Ducke, 1910, Ann. Hist.-Nat. Mus. Natn. Hung. 8: 517, genus (13 species).— Polistinae; NT; F. Type species: *Polistes angulata* Fabricius, 1804, by subsequent designation of Lucas, 1912, Arch. Naturgesch. 77, Bd. 4 (1): 210. Junior subjective synonym of *Agelaia* Lepeletier, 1836 (Carpenter and Day, 1988, Proc. Ent. Soc. Wash. 90: 323, 327).

Stemodynerus Rohwer, 1913, Proc. U. S. Natn. Mus. 44: 445. Incorrect spelling of *Stenodynerus* Saussure.

Stenancistrocerus Saussure, 1863, Mém. Soc. Phys. Hist. Nat. Genève 17: 216, division of subgenus *Ancistrocerus* Wesmael of genus *Odynerus* Latreille (2 species); declared available from date of publication by Opinion 893 (ICZN, 1970).— Eumeninae; P; M (no. 1870 of Official List of Generic Names in Zoology). Type species: *Odynerus atropos* Lepeletier, 1841, by subsequent designation of Bequaert, 1925, Trans. Am. Ent. Soc. 51: 63; confirmed by Opinion 893 (no. 2324 of Official List of Specific Names in Zoology).

Note: Blüthgen, 1938 (1937), Konowia 16: 282, when raising *Stenancistrocerus* to generic rank, overlooked Bequaert's type designation, and selected *Odynerus inconstans* Saussure, 1863, as the type species. *Stenancistrocerus sensu* Blüthgen is

actually a subjective synonym of *Eustenancistrocerus* Blüthgen, 1938 (Giordani Soika, 1952, Boll. Soc. Veneziana Stor. Nat. 6: 33).

Stenancistrocerus Dalla Torre, 1894, Cat. Hym. 9: 55-95, on 10 pages. Incorrect spelling of *Stenancistrocerus* Saussure.

Stenochilus Giordani Soika, 1987, Boll. Mus. Civ. Stor. Nat. Venezia 36: 135, genus.— Eumeninae; E; M. Type species: *Stenochilus longithorax* Giordani Soika, 1987, by original designation and monotypy.

Stenodyneriellus Giordani Soika, 1962 (1961), Boll. Mus. Civ. Stor. Nat. Venezia 14: 65, 71, genus.— Eumeninae; A; M. Type species: *Stenodyneriellus turneriellus* Giordani Soika, 1962, by original designation.

Stenodyneroides Giordani Soika, 1940, Ann. Mus. Civ. Stor. Nat. Genova 60: 469, 471, subgenus of *Odynerus* Latreille; no characters given but intended to apply to the group called "*Stenodynerus*" by Giordani Soika in 1934 (Ann. Mus. Civ. Stor. Nat. Genova 47: 25, 29).— Eumeninae; E; M. Type species: *Odynerus corvus* Meade-Waldo, 1915, by original designation.

Note: Raised to generic rank by Giordani Soika, 1951, Acta Ent. Mus. Natn. Prag. 27: 386, who included *Stenodynerus chevrieranus* (Saussure) in this taxon.

Stenodynerus Saussure, 1863, Mém. Soc. Phys. Hist. Nat. Genève 17: 228, division of subgenus *Odynerus* of genus *Odynerus* Latreille (2 species); declared available from date of publication by Opinion 893 (ICZN, 1970).— Eumeninae; NA NT O P; M (no. 1871 of Official List of Generic Names in Zoology). Type species: *Odynerus chinensis* Saussure, 1863, by subsequent designation of Bohart, 1939, Pan-Pacif. Ent. 15: 100; confirmed by Opinion 893 (no. 2328 of Official List of Specific Names in Zoology). Senior subjective synonym of *Nannodynerus* Blüthgen, 1938, and of *Parhypodynerus* Giordani Soika, 1973.

Notes: 1. Bohart's designation predates that of Bequaert (1941, Am. Mus. Novit. 1106: 1), who selected *O. angustus* Saussure, 1863, as the type species.

2. Treated as a genus by Bequaert, 1941, loc. cit.: 1.

Stenogaster Guérin, 1831, in Duperrey, Voyage de la Coquille, Zool., Ins., Atlas: pl. 9, fig. 9, genus.— Stenogastrinae; A; F. Type species: *Stenogaster fulgipennis* Guérin, 1831, by monotypy. Senior objective synonym of *Ischnogaster* Guérin, 1838.

Stenoglossa Saussure, 1852, Ét. Fam. Vesp. 1: 4, genus.— Eumeninae; P; F. Type species: *Raphiglossa odyneroides* S. S. Saunders, 1850, by monotypy. Junior homonym of *Stenoglossa* Chaudoir, 1848 (Coleoptera). Replaced by *Psiliglossa* S. S. Saunders, 1872.

Stenolabus Schulthess, 1910, Dt. Ent. Z.: 189, genus (3 species) ["*Stenolabus* Saussure in litt. nov. gen."].— Eumeninae; A; M. Type species: *Stenolabus fulvus* Schulthess, 1910, by subsequent designation of Carpenter, 1986, Psyche 93: 72. Junior subjective synonym of *Ischnocoelia* Perkins, 1908 (Meade-Waldo, 1914, Ann. Mag. Nat. Hist. (8) 14: 459).

Stenonartonia [sic] Giordani Soika, 1973, Boll. Mus. Civ. Stor. Nat. Venezia 24: 25 (footnote), replacement name for *Paranortonia* Giordani Soika, 1941, non Bequaert, 1940.— Eumeninae; NT; F. Type species: *Nortonia polybioides* Schulthess, 1904, by original designation as type species of *Paranortonia* Giordani Soika.

Stenopolistes van der Vecht, 1972 (1971), Ent. Essays to commemorate the retirement of Prof. K. Yasumatsu: 101, subgenus of *Polistes* Latreille.— Polistinae; A O; M. Type species: *Polistes lateritius* Smith, 1857, by original designation.

- Stenosigma* Giordani Soika, 1978, Boll. Mus. Civ. Stor. Nat. Venezia 29: 14, 407, genus.— Eumeninae; NT; N. Type species: *Eumenes allegrus* Zavattari, 1912, by original designation.
- Stroudia* Gribodo, 1892 (1891), Bull. Soc. Ent. Ital. 23: 262, genus.— Eumeninae; E; F. Type species: *Stroudia armata* Gribodo, 1892, by monotypy.
- Subancistroceroides* Blüthgen, 1938, Dt. Ent. Z.: 441, 460, subgenus of "*Subancistrocerus* Saussure" *sensu* Blüthgen — Eumeninae; P; M. Type species: *Odynerus aegyptiacus* Saussure, 1863, by original designation. Junior subjective synonym of *Pseudonortonia* Giordani Soika, 1936 (Giordani Soika, 1939, Bull. Soc. Ent. Fr. 44: 78).
- Subancistrocerus* Saussure, 1855, Ét. Fam. Vesp. 3: 206, name for division I of subgenus *Ancistrocerus* Wesmael of genus *Odynerus* Latreille in Saussure, 1852, *loc. cit.* 1: 126 (2 + 3 species); declared available from date of publication by Opinion 893 (ICZN, 1970).— Eumeninae; A O PAC; M (no. 1872 of Official List of Generic Names in Zoology). Type species: *Odynerus sichelii* Saussure, 1855, by subsequent designation of Bequaert, 1925, Trans. Am. Ent. Soc. 51: 61; confirmed by Opinion 893 (no. 2337 of Official List of Specific Names in Zoology). Senior objective synonym of *Epancistrocerus* Saussure, 1856.
- Note: Blüthgen, 1938, Dt. Ent. Z.: 441, when raising *Subancistrocerus* to generic rank, overlooked Bequaert's type designation, and selected *Odynerus rhodensis* Saussure, 1855, as the type species. *Subancistrocerus sensu* Blüthgen was replaced by *Tachyancistrocerus* Giordani Soika, 1952.
- Subancystrocerus* Dalla Torre, 1894, Cat. Hym. 9: 93. Incorrect spelling of *Subancistrocerus* Saussure.
- Sulcopolistes* Blüthgen, 1938 (1937), Konowia 16: 273, subgenus of *Polistes* Latreille. — Polistinae; P; M. Type species: *Polistes semenowi* Morawitz, 1889, by original designation. Junior subjective synonym of *Polistes* Latreille, 1802 (Carpenter, 1990a).
- Symmorphoides* Giordani Soika, 1977 (1976), Boll. Mus. Civ. Stor. Nat. Venezia 28: 171, 172, genus.— Eumeninae; P; M. Type species: *Symmorphoides maroccanus* Giordani Soika, 1977, by original designation and monotypy.
- Symmorphus* Wesmael, 1836, Bull. Acad. R. Belg. 3: 45, subgenus of *Odynerus* Latreille (3 species).— Eumeninae; NA NT O P; M. Type species: *Odynerus elegans* Wesmael, 1833, by subsequent designation of Richards, 1935, Trans. R. Ent. Soc. Lond. 83: 162. Senior objective synonym of *Protodynerus* Saussure, 1855; senior subjective synonym of *Koptodynerus* Blüthgen, 1943.
- Note: Ashmead (1902, Can. Ent. 34: 209), when treating *Symmorphus* as a genus, designated *Vespa sinuata* Fabricius as the type, but this designation is invalid because that species was not originally included.
- Synaeca* Brèthes, 1906, An. Mus. Nac. Buenos Aires 13: 313. Incorrect spelling of *Synoeca* Saussure.
- Synagris* Latreille, 1802, Hist. Nat. Crust. Ins. 3: 360, genus.— Eumeninae; E; F. Type species: "*Vespa cornuta* F." [= *V. cornuta* Linnaeus, 1758], by monotypy. Senior objective synonym of *Eusynagris* Dalla Torre, 1904.
- Note: According to Bequaert, 1918, Bull. Am. Mus. Nat. Hist. 39: 350, *Catilostenus* Meunier, 1888, is probably a junior synonym of *Synagris* Latreille.
- Synecoides* Snelling, 1981, Social Insects II (5): 414. Incorrect spelling of *Synoecoides*

Ducke.

- Syneodynerus** Kurzenko, 1982 (1981), Hym. Far East, Acad. Sci. U.S.S.R.: 101. Incorrect spelling of *Syneuodynerus* Blüthgen.
- Syneuodynerus** Blüthgen, 1951, Boll. Soc. Ent. Ital. 81: 67,75, subgenus of "*Euodynerus* (Dalla Torre) Blüthgen" [= *Euodynerus* Dalla Torre].— Eumeninae; P; M. Type species: "*Euodynerus egregius* (H.-Sch.)" [= *Odynerus egregius* Herrich-Schaeffer, 1839], by original designation.
Note: Raised to generic rank by Giordani Soika, 1977 (1976), Mem. Soc. Ent. Ital. 55: 118.
- Synoeca** Saussure, 1852, Ann. Soc. Ent. Fr. (2) 10: 551, genus (6 species).— Polistinae; NT; F. Type species: *Vespa surinama* Linnaeus, 1767, by subsequent designation of Ashmead, 1902, Can. Ent. 4: 165.
- Synoecoides** Ducke, 1905, Revue Ent. 24: 9, 16, genus.— Polistinae; NT; M. Type species: *Synoecoides depressa* Ducke, 1905, by monotypy.
- Synomorphus** Rohwer, 1917, Proc. U. S. Natn. Mus. 53: 234. Incorrect spelling of *Symmorphus* Wesmael.
- Tachyancistrocerus** Giordani Soika, 1952, Boll. Soc. Veneziana Stor. Nat. 6: 37, replacement name for *Subancistrocerus sensu* Blüthgen, 1938, *non* Saussure, 1855.— Eumeninae; P; M. Type species: *Odynerus rhodensis* Saussure, 1855, by original designation.
- Tachymenes** Giordani Soika, 1983, Boll. Mus. Civ. Stor. Nat. Venezia 33: 118, genus.— Eumeninae; E; M. Type species *Odynerus vulneratus* Saussure, 1855, by original designation.
- Tanyzethus** Cameron, 1910, Wiss. Ergebn. Schwed. Zool. Exp. Kilmandjaro (8) 6: 195, genus.— Eumeninae; E; M. Type species: *Tanyzethus africanus* Cameron, 1910. Junior subjective synonym of *Paramischocyttarus* Magretti, 1884 (Meade-Waldo, 1913, Ann. Mag. Nat. Hist. (8) 11: 54).
- Tatua** Saussure, 1854, Ét. Fam. Vesp. 2: 213.— Polistinae; NT; F. Unnecessary replacement name for *Epipona* Latreille, 1802, incorrectly regarded as preoccupied by Latreille as a name for a section of the genus *Odynerus* Latreille. Junior objective synonym of *Epipona* Latreille, 1802.
- Tetrathra** Dalla Torre, 1904, Genera Insect. 19: 28, group of genus *Monobia* Saussure.— Eumeninae; NA; F. Type species: *Vespa quadridens* Linnaeus, 1763, by subsequent designation of Bequaert, 1940, Rev. Ent. Rio de J. 11: 822. Junior objective synonym of *Monobia* Saussure, 1852.
Note: Dalla Torre mentioned no species in his description, but distinguished this group from *Triarthra* Dalla Torre for the species with 4-segmented labial palpi.
- Tetrarthra** Dalla Torre, 1904, Genera Insect. 19: 104; Bequaert, 1940, Rev. Ent. Rio de J. 11: 822. Incorrect spelling of *Tetrathra* Dalla Torre.
- Theletor** Kokujev, 1912, J. Kavkaz. Mus. Tiflis 7: 4 [under description of *Rhynchium caucasicum*: "Haec species, cum *R. (?) venustum* Sem. verisimiliter genus peculiare (*Theletor* Sem. in coll.) constituit."].— Eumeninae; P; M. Type species: *Rhynchium caucasicum* Kokujev, 1912, by subsequent designation of van der Vecht, 1972, Hym. Cat. 8: 4. Junior subjective synonym of *Paravespa* Radoszkowski, 1886 (van der Vecht, 1972, Hym. Cat. 8: 4).
- Toryna** Bradley, 1922, Univ. California Publ., Ent. 1: 411, subgenus of *Pseudomasaris*

Ashmead.— Masarinae; NA; F. Type species: *Masaris vespoides* Cresson, 1863, by original designation and monotypy. Junior subjective synonym of *Pseudomasaris* Ashmead, 1902 (Richards, 1962, Revision. Study Masarid Wasps: 277).

Trachydynerus Giordani Soika, 1989, Lavori Soc. Ven. Sci. Nat. 14: 19, 60, genus.— Eumeninae; P; M. Type species: *Trachydynerus dancaliensis* Giordani Soika, 1989, by original designation

Triarthra Dalla Torre, 1904, Genera Insect. 19: 28, group of genus *Monobia* Saussure.— Eumeninae; NT; F. Type species: *Odynerus cyanipennis* Guérin, 1831, by subsequent designation of Bequaert, 1940, Rev. Ent. Rio de J. 11: 822. Junior homonym of *Triarthra* Ehrenberg, 1832 (Rotifera). Junior subjective synonym of *Monobia* Saussure, 1852 (Bequaert, 1940, Rev. Ent. Rio de J. 11: 822).

Note: Dalla Torre mentioned no species in his description, but distinguished this group from *Tetrathra* Dalla Torre for the species with 3-segmented labial palpi.

Tricarindynerus Giordani Soika, 1952, Rev. Biol. Colon. 11: 73, 79, genus.— Eumeninae; E; M. Type species: *Odynerus guerinii* Saussure, 1852, by original designation. Senior objective synonym of *Carindynerus* Giordani Soika, 1957.

Trichepipona Blüthgen, 1951, Mitt. Münch. Ent. Ges. 41: 171, 193, subgenus of *Pseud-epipona* Saussure.— Eumeninae; P; F. Type species: *Odynerus latoventris* Saussure, 1855, by original designation. Junior subjective synonym of *Pseudepipona* Saussure, 1856 (Giordani Soika, 1958 (1957), Boll. Mus. Civ. Stor. Nat. Venezia 10: 129).

Trichinothorax Carpenter and Day, 1988, Proc. Ent. Soc. Wash. 90: 323, 327, subgenus of *Polybia* Lepeletier, replacement name for *Trichothorax* Richards, 1978, *non* Montrouzier, 1860.— Polistinae; NT; M. Type species: *Vespa chrysothorax* Lichtenstein, 1796, by original designation as type species of *Trichothorax* Richards.

Trichodynereus Giordani Soika and Kojima, 1988, Boll. Mus. Civ. Stor. Nat. Venezia 38: 178, used as a generic name in the combination *Trichodynereus agilis cursor* Giordani Soika and Kojima, 1988.— Eumeninae; A; M. Unavailable under Article 13(a)(i) of the Code.

Note: The authors used this generic name, without giving any characters differentiating the taxon, in the description of a new subspecies, while stating that it had not been published.

Trichothorax Richards, 1978, Soc. Wasps Am.: v, 35, 101, subgenus of *Polybia* Lepeletier.— Polistinae; NT; M. Type species: *Vespa chrysothorax* Lichtenstein, 1796, by original designation. Junior homonym of *Trichothorax* Montrouzier, 1860 (Coleoptera). Replaced by *Trichinothorax* Carpenter and Day, 1988.

Trichthorax Snelling, 1981, Social Insects II (5): 416. Incorrect spelling of *Trichothorax* Richards.

Tricomenes Giordani Soika, 1978, Boll. Mus. Civ. Stor. Nat. Venezia 29: 10, 254, genus.— Eumeninae; NT; M. Type species: *Eumenes pilosa* Fox, 1899, by original designation and monotypy.

Note: Subjective synonym of *Pirhosigma* Giordani Soika, 1978; rejected by Carpenter and van der Vecht, 1990, acting as first reviser.

Trimeria Saussure, 1854, Ét. Fam. Vesp. 3: pl. 4, fig. 2, genus.— Masarinae; NT; F. Type species: *Erynnis americana* Saussure, 1853, by monotypy. Senior subjective synonym of *Microtrimeria* Bequaert, 1928, and of *Willinkia* Richards, 1962.

Note: Saussure, without comment, replaced *Erynnis* Saussure, 1853, *non*

Schrank, 1801, with *Trimeria*.

Tritodiscoelius Dalla Torre, 1904, *Genera Insect.* 19: 18, name for division III of genus *Discoelius* Latreille in Saussure, 1852, *Ét. Fam. Vesp.* 1: 26 (2 species), as a group of genus *Discoelius*.— Eumeninae; P; M. Type species: *Vespa zonalis* Panzer, 1801, by subsequent designation of Bequaert and Ruiz, 1942 (1940), *Rev. Chil. Hist. Nat.* 44: 217. Junior objective synonym of *Discoelius* Latreille, 1809.

Tropidodynerus Blüthgen, 1939, *Veröff. Dt. Kolon. Übersee Mus. Bremen* 2: 259, 260, genus (2 species).— Eumeninae; O P; M. Type species: "*Hoplomerus interruptus* (Brullé, 1832) = *H. mandibularis* Morawitz, 1885" [= *Polistes interrupta* Brullé, 1832], by original designation; confirmed by Blüthgen, 1941, *Arch. Naturgesch.* (N.F.) 10: 306.

Note: Actually the author wrote in 1939: "Ich begrunde für ihn [*interruptus*] die neue Gattung *Tropidodynerus*. In diese gehört ferner *Hopl. variegatus* (F.)...". Evidently he intended *interruptus* to be the type, but did not state this explicitly until 1941.

Vespa Linnaeus, 1758, *Syst. Nat.* 1: 343, 572, genus (17 species).— Vespinae; A (NA) O P; F. Type species: *Vespa crabro* Linnaeus, 1758, by subsequent designation of Lamarck, 1801, *Syst. Anim. sans Vert.*: 271. Senior objective synonym of *Macrovespa* Dalla Torre, 1904, and senior subjective synonym of *Nyctovespa* van der Vecht, 1959.

Vespula Thomson, 1869, *Opusc. Ent.* 1: 79, subgenus of *Vespa* (8 species).— Vespinae; NA P; F. Type species: *Vespa austriaca* Panzer, 1799, by subsequent designation of Ashmead, 1902, *Can. Ent.* 34: 164. Senior objective synonym of *Pseudovespa* Schmiedeknecht, 1881; senior subjective synonym of *Paravespula* Blüthgen, 1938, *Allovespula* Blüthgen, 1943, and of *Rugovespula* Archer, 1982.

Note: Raised to generic rank by Ashmead, 1902, *Can. Ent.* 34: 164.

Wettsteinia Dalla Torre, 1904, *Genera Insect.* 19: 10, 13, pl.2, fig. 5, genus (2 species).— Eumeninae; NT; F. Type species: "*Zethus sichelianus* Saussure" [= *Labus sichelianus* Saussure, 1875], by subsequent designation of Bohart and Stange, 1965, *Univ. Calif. Publ. Ent.* 40: 25. Junior subjective synonym of *Zethus* Fabricius, 1804 (Bohart and Stange, 1965, *loc. cit.*: 25).

Willinkia Richards, 1962, *Revision. Study Masarid Wasps*: 119, subgenus of *Trimeria* Saussure.— Masarinae; NT; F. Type species: "*Trimeria buyssoni* Brèthes, 1904 (as represented in coll. [British Museum])", by original designation. Junior subjective synonym of *Trimeria* Saussure, 1854 (Carpenter, 1990b).

Xanthocaba Meade Waldo, 1914, *Ann. Mag. Nat. Hist.* (8) 14: 406, in synonymy of *Parachartergus vespiceps* var. *testacea* Ducke.— Polistinae; NT; F. Unavailable under Article 11(e) of the Code.

Xanthodynerus Blüthgen, 1954, *Dt. Ent. Z., N. F.* 1: 225, 265, subgenus of "*Euodynerus* Blüthgen" [= *Euodynerus* Dalla Torre].— Eumeninae; E? P; M. Type species: "*Euodynerus octavus* (G.S. 1943)" [= *Odynerus (Rhynchium) octavus* Giordani Soika, 1943], by original designation.

Note: Raised to generic rank by Giordani Soika, 1960, *Boll. Soc. Ent. Ital.* 90: 133.

Xenorhynchium van der Vecht, 1963, *Zool. Verh. Leiden* 60: 111, genus.— Eumeninae; E? O; N. Type species: *Vespa nitidula* Fabricius, 1798, by original designation.

Zendalia Robertson, 1928, *Flowers and Insects*: 12, listed without description (2 spec-

ies).— Eumeninae; NA; F. Type species: "*Odynerus zendaloides* Robertson (= *Leptochilus ornatus zendaloides* (Robertson))" [*Odynerus zendaloides* Robertson, 1901, = *Leptochilus ornatus* Saussure, 1853; rejected as junior secondary homonym before 1960 (Articles 57 and 59(c) of the Code), = *Odynerus republicanus* Dalla Torre, 1889, replacement name], by subsequent designation of Bohart, 1951, in Muesebeck *et al.*, Synopt. Cat. Hym. Am. N. Mex.: 897. Junior subjective synonym of *Leptochilus* Saussure, 1853 (see Parker, 1966, Misc. Publ. Ent. Soc. Am. 5:174).

Zeta Saussure, 1855, Ét. Fam. Vesp. 3: 132, 146, name for division V of genus *Eumenes* Latreille in Saussure, 1852, *loc. cit.* 1: 67 (7 + 3 species).— Eumeninae; (NA) NT; N. Type species: *Sphex abdominalis* Drury, 1770, by subsequent designation of Bequaert, 1926, Ann. S. Afr. Mus. 23: 487. Senior subjective synonym of *Zeteumenes* Bertoni, 1921; senior synonym of *Beteumenes* Bertoni, 1934.

Note: Raised to generic rank by Giordani Soika, 1972, Boll. Soc. Ent. Ital. 104: 110.

Zetamenes Bertoni, 1925, Rev. Soc. Cient. Paraguay 2: 75. Incorrect spelling of *Zeteumenes* Bertoni.

Zeteumenes Bertoni, 1921, Rev. Soc. Cient. Paraguay 1: 11, genus (8 species).— Eumeninae; NT; M. Type species: *Eumenes canaliculata* (Olivier) [= *Vespa canaliculata* Olivier, 1791, = *Sphex argillacea* Linnaeus, 1758], by subsequent designation of van der Vecht, 1977, Proc. K. Ned. Akad. Wet., Ser. C, 80: 242. Junior subjective synonym of *Zeta* Saussure, 1855 (Giordani Soika, 1972, Boll. Soc. Ent. Ital. 104:110).

Zeteumenoides Giordani Soika, 1972, Boll. Soc. Ent. Ital. 104: 110, genus.— Eumeninae; NT; M. Type species: *Eumenes filiformis* Saussure, 1855, by original designation. Subgenus of *Eumenes* Latreille, 1802 (Giordani Soika, 1978, Bull. Mus. Civ. Stor. Nat. Venezia 29: 17).

Zetheumenidion Bequaert, 1926, Ann. S. Afr. Mus. 23: 487, subgenus of *Eumenes* Latreille.— Eumeninae; E; N. Type species: *Eumenes femoratus* Schulthess, 1910, by original designation.

Note: Raised to generic rank by Giordani Soika, 1961, Verh. XI Int. Kongr. Ent. Wien 1: 244.

Zethoides Fox, 1899, Proc. Acad. Nat. Sci. Philad.: 436, genus.— Eumeninae; NA NT; M. Type species: *Zethoides smithii* Fox, 1899 [junior secondary homonym of *Zethus smithii* Saussure, 1855, = *Zethus chapadensis* Bohart and Stange, 1965], by monotypy. Subgenus of *Zethus* Fabricius, 1804 (Bohart and Stange, 1965, Univ. Calif. Publ. Ent. 40: vi, 25, 150).

Zethoides Cameron, 1904, Trans. Am. Ent. Soc. 30: 93, genus.— Masarinae; NA NT; M. Type species: *Zethoides flavolineatus* Cameron, 1904 [= *Paramasaris fuscipennis* Cameron, 1901], by monotypy. Junior homonym of *Zethoides* Fox, 1899 (see *Plesiozethus* Cameron and *Metazethoides* Schulz). Junior synonym of *Paramasaris* Cameron, 1901 (Bequaert, 1928, Ann. Mag. Nat. Hist. (10) 2: 141, synonymized the type species).

Zethus Fabricius, 1804, Syst. Piez.: xii, 282, genus (6 species).— Eumeninae; A E NA NT O; M. Type species: "*Zethus coeruleo-pennis* Fab." [= *Vespa coeruleopennis* Fabricius, 1798], by subsequent designation of Latreille, 1810, Consid. Gen. Crust. Arachn. Ins.: 328, 438. Senior objective synonym of *Euzethus* Dalla Torre, 1904;

senior subjective synonym of *Didymogastra* Perty, 1833, *Wettsteinia* Dalla Torre, 1904, and of *Laboides* Zavattari, 1912; senior synonym of *Heros* Saussure, 1855.

Note: Bohart and Stange, 1965, Univ. Calif. Publ. Ent. 40: 25, mentioned Ashmead (1902) as the author who designated *Vespa coeruleopennis* Fabricius as the type species.

Zethucculus P. Howes, 1917, in Beebe *et al.*, Tropical Wild Life in British Guiana 1: 407. Incorrect spelling of *Zethusculus* Saussure.

Zethusculus Saussure, 1855, Ét. Fam. Vesp. 3: 118, division of genus *Zethus* Fabricius (7 + 2 species).— Eumeninae; NA NT; M. Type species: *Zethus jurinei* Saussure, 1852, by subsequent designation of Ashmead, 1902, Can. Ent. 34: 205. Subgenus of *Zethus* Fabricius, 1804 (Bohart and Stange, 1965, Univ. Calif. Publ. Ent. 40: v, 25, 125).

Zeuthus Cameron, 1909, Entomologist 42: 206. Incorrect spelling of *Zethus* Fabricius.

Zuba Cheesman, 1952, Ann. Mag. Nat. Hist. (12) 5: 23, subgenus of *Ropalidia* (14 species).— Polistinae; A O; F. Unavailable: no type species designated.

Zuba Richards, 1978, Austr. J. Zool., Suppl. Ser. 61: 57; reference to *Zuba* Cheesman.— Polistinae; A O; F. Type species: *Icaria gregaria* Saussure, 1853, by original designation. Validation by type selection of *Zuba* Cheesman, 1952. Junior objective synonym of *Icariola* Dalla Torre, 1904.

Acknowledgements

Financial support for visits to the senior author at Putten by the junior author was provided by a Milton Fund grant and National Science Foundation grant BSR-8508055.

References

- Bequaert, J., 1939. *Odynerus annectens* Saussure and related species, with additional notes on *Odynerus hidalgo* Saussure (Hymenoptera, Vespidae).— Ann. Ent. Soc. Am. 32: 58-69.
- Blüthgen, P., 1938 (1937). Systematisches Verzeichnis der Faltenwespen Mitteleuropas, Skandinaviens und Englands.— Konowia 16: 270-295.
- Cardale, J. C., 1985. Hymenoptera: Vespoidea and Sphecoidea.— Zool. Cat. Aust. 2: 150-303.
- Carpenter, J. M., 1981 (1982). The phylogenetic relationships and natural classification of the Vespoidea (Hymenoptera).— Syst. Ent. 7: 11-38.
- Carpenter, J. M., 1986. A synonymic generic checklist of the Eumeninae (Hymenoptera: Vespidae).— Psyche 93: 61-90.
- Carpenter, J. M., 1987. Phylogenetic relationships and classification of the Vespinae (Hymenoptera: Vespidae).— Syst. Ent. 12: 413-431.
- Carpenter, J. M., 1988. The phylogenetic system of the Stenogastrinae (Hymenoptera: Vespidae).— J. New York Ent. Soc. 96: 140-175.
- Carpenter, J. M., 1989 (1988). The phylogenetic system of the Gayellini (Hymenoptera: Vespidae; Masarinae).— Psyche 95: 211-241.
- Carpenter, J. M., 1990a. Phylogenetic relationships and the origin of social behavior in the Vespidae. In Ross, K.G. and R. W. Matthews (eds.), The Social Biology of Wasps.— Cornell Univ. Press (in press).
- Carpenter, J. M., 1990b. The phylogenetic system of the Masarinae (Hymenoptera: Vespidae).— in preparation.
- Carpenter, J. M., and J. M. Cumming, 1985. A character analysis of the North American potter wasps

- (Hymenoptera: Vespidae; Eumeninae).— J. Nat. Hist. 19: 877-916.
- Carpenter, J. M., and M. C. Day, 1988. Nomenclatural notes on Polistinae (Hymenoptera: Vespidae).— Proc. Ent. Soc. Wash. 90: 323-328.
- Carpenter, J. M., and A. P. Rasnitsyn, 1990. Mesozoic Vespidae.— Psyche (in press).
- Carpenter, J. M., and J. van der Vecht, 1990.— Notes on the Vespidae described by William J. Fox (Hymenoptera).— Ann. Carnegie Mus. Nat. Hist. (submitted).
- Carpenter, J. M., and J. W. Wenzel, 1990 (1989).— Synonymy of the genera *Protopolybia* and *Pseudochartergus* (Hymenoptera: Vespidae; Polistinae).— Psyche 96: 177-186.
- Dalla Torre, K. W. von, 1904. Vespidae.— Genera Insect. 19: 1-108.
- Giordani Soika, A., 1953 (1952). Hyménoptères récoltés par une mission Suisse au Maroc (1947). Eumeninae.— Bull. Soc. Sci. Nat. Maroc 32: 235-267.
- Giordani Soika, A., 1978. Tabella per l'identificazione dei generi Europei della famiglia Eumenidae (Hym., Vespoidea).— Lavori Soc. Venez. Sci. Nat. 3: 30-35.
- International Commission on Zoological Nomenclature, 1965. Opinion 747. *Rygchium* Spinola, 1806 (Insecta, Hymenoptera): Validation of emendation to *Rhynchium*.— Bull. Zool. Nom. 22: 186-187.
- International Commission on Zoological Nomenclature, 1970. Opinion 893. Eumenidae names of Saussure (Hymenoptera): Grant of availability to certain names proposed for secondary divisions of genera.— Bull. Zool. Nom. 26: 187-191.
- International Commission on Zoological Nomenclature, 1976. Opinion 1051. *Rhopalidia* Lepelletier, 1836 (Insecta: Hymenoptera): Suppressed under the plenary powers.— Bull. Zool. Nom. 32: 240-241.
- International Commission on Zoological Nomenclature, 1985. Opinion 1363. *Ancistroceroides* Saussure, 1855 (Insecta, Hymenoptera): Type species designated.— Bull. Zool. Nom. 42: 353-354.
- Krombein, K. V. 1979. Vespoidea. In Krombein, K. V., P. D. Hurd, D. R. Smith, and B. D. Burks (eds.), Catalog of Hymenoptera in America north of Mexico. Smiths. Inst. Press, Washington: 1469-1522.
- Menke, A. S., and L. A. Stange, 1986. *Delta campaniforme rendalli* (Bingham) and *Zeta argillaceum* (Linnaeus) established in Florida, and comments on generic discretion in *Eumenes s. l.* (Hymenoptera: Vespidae: Eumeninae).— Florida Ent. 69: 697-702.
- Parker, F. D., 1966. A revision of the North American species in the genus *Leptochilus* (Hymenoptera: Eumenidae).— Misc. Publ. Ent. Soc. Am. 5: 151-229.
- Richards, O. W., 1962. A revisional study of the masarid wasps (Hymenoptera, Vespoidea): vii, 1-294.— Brit. Mus. (Nat. Hist.), London.
- Richards, O. W., 1978. The Social Wasps of the Americas excluding the Vespinae: vii, 1-580, 4 pls.— Brit. Mus. (Nat. Hist.), London.
- Saussure, H. F. de, 1852-1858. Études sur la Famille des Vespides, Vols. 1-3.— V. Masson and J. Cherbuliez, Paris and Geneva.
- Vecht, J. van der, 1966. Notes on Palaearctic Eumenidae (Hymenoptera).— Ent. Ber. 26: 161-165.
- Vecht, J. van der, 1971. Notes on Palaearctic Eumenidae (Hymenoptera) (part 2).— Ent. Ber. 31: 127-134.
- Vecht, J. van der, 1977a. Studies of Oriental Stenogastrinae (Hymenoptera, Vespoidea).— Tijdschr. Ent. 120: 55-75.
- Vecht, J. van der, 1977b. Notes on American Eumenidae (Hymenoptera, Vespoidea).— Proc. K. Ned. Akad. Wet. (Ser. C) 80: 238-244.
- Vecht, J. van der, and F. C. J. Fischer, 1972. Palaearctic Eumenidae.— Hym. Cat. (Novo Ed.) 8: 1-197.
- Wenzel, J. W., 1990. A social wasp's nest from the Cretaceous Period, Utah, USA, and its biogeographic significance.— Psyche (in press).

Received: 5.iv.1990

Accepted: 17.v.1990

Edited: C. van Achterberg