

## Family Limoniidae

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Small to medium-sized crane flies, which share many characters with the families Tipulidae and Cylindrotomidae. Limoniidae are in general smaller than Tipulidae but notable exceptions are *Pedicia* and *Eutonia*. Males of certain species are often found in swarms.

Last segment of maxillary palps mostly short, about as long as the two preceding segments together (*Pedicia* and *Ula* with a rather long last palpal segment). Antenna usually with 14 to 16 segments. Rostrum short (elongate in *Elephantomyia*, *Helius* and *Geranomyia*). Nasus always absent. Ocelli absent. Thorax with a transverse V-shaped mesonotal suture. Wings elongate with two anal veins reaching wing margin. Wings sometimes reduced. Sc 1 present. Legs usually very long and slender. Tibiae without or with one or two apical spurs. Abdomen usually long and slender. Male terminalia (hypopygium) with a variety of characteristic features. Two pairs of gonostyli usually present, sometimes one or three. Female terminalia (ovipositor) variously modified, but in general including two pairs of valves, cerci usually elongate, pointed.

Larvae elongate, hemicephalic and metapneustic, rarely apneustic. Head capsule distinct, well sclerotized anteriorly, deeply incised ventrally and sometimes dorso-laterally, rigid parts reduced to six longitudinal bars in most Eriopterinae and Hexatomininae. Posterior two-thirds or more of head capsule enclosed by and retractable within prothoracic segment. Abdominal segments smooth or with transverse rows of fine hairs, in several instances with creeping welts or fleshy projections. Terminal segment bearing posterior spiracles, spiracular disk usually surrounded by five or fewer lobe-like projections of variable length. Usually four anal lobes present.

Pupae obtect, elongate. Eyes prominent. Mesothoracic horns usually simple, ranging from short sessile to very elongate. Antennal sheaths long. Tarsal sheaths arranged side by side, not superimposed. Abdomen parallel-sided or almost so, usually more or less smooth except for welts. Anal segment usually with spines, prominent marginal or other abdominal spines especially in Hexatomininae.

Larvae usually in various aquatic and semi-aquatic environments during most of their development, moving to margins or dryer places for pupation. Usually in more or less wet, organic soils or decaying vegetation in or along streams, lakes, swamps, marshes, and woodlands. Other habitats include drier soils (*Dicranoptycha*, some species of *Cheilotrichia*, *Dicranomyia* and *Limonia*), intertidal zones or brackish water (some Limoniini), wet cliffs, piles or bridge piers supporting algal growths (some species of *Limonia*, *Orimarga*, *Elliptera*, *Dactylolabis*), mosses or liverworts (various Limoniinae), decaying wood, or sodden logs in streams, where larvae commonly feed on fungal mycelia (*Gnophomyia*, *Teucholabis*, *Lipsothrix*), sandy or gravelly borders of streams with moderate humus (several Eriopterinae), woody or fleshy fungi (*Ula*, *Metalimno-*

*bia*). Most larvae feed on decaying plant material, many Limoniinae feed on algae and the like; Pediciini and most Hexatominæ are carnivorous.

Limoniidae are with world-wide some 11000 described species among the largest families of Diptera. Fossils are known from the Lower Jurassic. The phylogenetic arrangement of the genera, tribes and subfamilies is not yet worked out satisfactorily. The adopted classification largely follows Savchenko, 1989, but differs for the genera and subgenera centering around *Ilisia*, *Idiocera* and *Dicranomyia*. Furthermore, the genus *Conosia* is placed in the Hexatominæ, the tribe Elephantomyiini is transferred to the Limoniinae and, after Hynes (1990), the genus *Styringomyia* is not placed in a separate tribe but with the Eriopterini. The Palaearctic subfamilies (4) and tribes (15) are arranged systematically, the genera (88), subgenera (98) and species (over 1700) are arranged alphabetically. Northern Oriental species, not mentioned by Alexander & Alexander (1973), are listed as well. Chinese provinces have been included as far south as Sichuan (Szechwan), Hubei (Hupeh, Hupei), Anhui (Anhui) and northern Zhejiang (Chekiang). Taken into account are papers published before January 1, 1990, except for Hynes (1990).

This catalogue of Palaearctic Limoniidae is based on a 1981 manuscript by Savchenko. The responsibility for the text, including the nomenclature, however, lies with the second and third authors. Additional comments were received from P. Ashe (Dublin, incl. faunal list of Ireland), G. W. Byers (Lawrence), E. Erhan-Dincă (Bucarest, incl. faunal list of Roumania), W. Geiger (Neuchâtel), J. K. Gelhaus (Philadelphia), T. Hofsvang (Ås), W. Krzemiński (Krakow, incl. faunal list of Poland), H. Mendl (Kempten), H. Reusch (Uelzen), S. Podėnas (Vilnius, incl. faunal list of Lithuania), A. E. Stubbs (Peterborough), Br. Theowald (Amsterdam) and T. Torii (Tokyo). This laborious help and co-operation greatly improved the catalogue text and is highly appreciated.

**References:** ALEXANDER and BYERS, 1981 (introduction, keys); BITSCH, 1955 (*Chionea*); BRINDLE, 1962-1967 (preimaginal stages); BYERS, 1983 (*Chionea*); COE, 1950 (Great Britain); CRISP and LLOYD, 1954 (biology); DIENSKE, 1987 (introduction, keys to subgenera); EDWARDS, 1938 (Great Britain); ERHAN, 1986 (Roumania); FRANZ, 1989 (Austria); GEIGER, 1986 (bibliography of Limoniinae), 1986 (Limoniinae of Switzerland); ISHIDA, 1957-1961 (Japan); de JONG, 1987 (Canary Is); KRZEMIŃSKI, 1978 (*Chionea*), 1984 (Poland); LACKSCHEWITZ and PAGAST, 1940-1942 (taxonomy); LACKSCHEWITZ, 1940 (taxonomy); LINDNER, 1958 (eggs), 1959 (larvae); MANNHEIMS, 1965 (Finland); MENDEL, 1987 (Ireland); MENDEL and REUSCH, 1989 (West Germany); OOSTERBROEK and THEOWALD, 1980 (index to publications of Alexander); PRITCHARD, 1983 (biology); POKORNY, 1978 (*Eloeophila*); SAVCHENKO, 1982-1986 (Fauna Ukrainy), 1983 (Primorye), 1989 (USSR); SAVCHENKO and KRIVOLUTSKAYA, 1976 (Kuril Is, Sakhalin); STARÝ, 1972 (*Dicranoptycha*), 1987 (*Empeda*), 1987 (Czechoslovakia); THEOWALD, 1971 (Benelux), 1977, 1981 (Macaronesia); TJEDER, 1955, 1958, 1959 (Sweden); TOKUNAGA, 1930 (morphology).

## Subfamily Pediciinae

## Tribe Ulini

*Ula* HALIDAY, 1833

HALIDAY, 1833: Ent. Mag., 1: 153.

Type-species: *Ula mollissima* HALIDAY, 1833: l.c.: 153 (mon.).

*Macroptera* LIOY, 1863: Atti R. Ist. veneto Sci., (3) 9: 224. Type-species: *Limnobia quadrivittata* LIOY, 1863: l.c.: 225 (orig. des.) [= *sylvatica* (MEIGEN, 1818)].

**bolitophila** LOEW, 1869: Besch. europ. Dipt., 1: 4 (*Ula*). Type-localities: Kärnten (Austria); Krain (Yugoslavia); Silesia (Poland).—Distr.: Europe: A, CS, D, F, N, PL, R, S, SF, YU; USSR: CET (northwest), SET (Carpathians), ES (south), FE (Khabarovskiy kray, Primorskiy kray, Sakhalin, Kuril Is); Asia: Japan (Hokkaido).

*perelegans* ALEXANDER, 1924: Philipp. J. Sci., 24: 572 (*Ula*). Type-locality: Abashiri, Hokkaido (Japan).

**cincta** ALEXANDER, 1924: Philipp. J. Sci., 24: 573 (*Ula*). Type-locality: Akan, Hokkaido (Japan).—Distr.: USSR: FE (Primorskiy kray, Sakhalin, Kuril Is); Asia: Japan (Hokkaido, Honshu, Shikoku).

**comes** ALEXANDER, 1935: Philipp. J. Sci., 56: 552 (*Ula*). Type-locality: Wei Chow, 65 mi NW Chengdu, Sichuan (China).—Distr.: Asia: China (Sichuan).

**fungicola** NOBUCHI in TOKUNAGA, ISHIDA and NOBUCHI, 1954: Sci. Rep. Saikyo Univ. Agric., 6: 5 (*Ula*). Type-locality: Takayama, Gifu pref., Honshu (Japan).—Distr.: USSR: FE (Primorskiy kray); Asia: Japan (Honshu).

**kiushiuensis** ALEXANDER, 1933: Philipp. J. Sci., 51: 541 (*Ula*). Type-locality: Mt. Sobo, Bungo, Kyushu (Japan).—Distr.: USSR: FE (Khabarovskiy kray, Primorskiy kray, Sakhalin, Kuril Is); Asia: Japan (Kyushu).

**longicellata** ISHIDA in TOKUNAGA, ISHIDA and NOBUCHI, 1954: Sci. Rep. Saikyo Univ. Agric., 6: 7 (*Ula*). Type-locality: north of Mimasaka-Kamo, Tomada-gun, Okayama pref., Honshu (Japan).—Distr.: Asia: Japan (Honshu).

**mixta** STARÝ, 1983: Annotnes zool.-bot. Bratisl., 154: 3 (*Ula*). Type-locality: Mlynická valley, Vysoké Tatry Mts, Slovakia (Czechoslovakia).—Distr.: Europe: D, CS, N.

**mollissima** HALIDAY, 1833: Ent. Mag., 1: 153 (*Ula*). Type-locality: not given (Holywood in Downshire, Ireland).—Distr.: Europe: A, B, BG, CH, D, DDR, CS, F (incl. Corsica), GB, H, IRE, N, NL, PL, R, S, SF; USSR: SET, TC.

*inconclusa* (WALKER, 1856): Ins. Brit., Dipt., 3: 299 (*Limnophila*). Type-locality: not given (Great Britain).

*crassicauda* AGRELL, 1945: Opusc. ent., 10: 26 (*Ula*). Type-locality: Skärälid, Skåne (Sweden).

- provecta** ALEXANDER, 1936: *Philipp. J. Sci.*, **59**: 243 (*Ula*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- shiitakea** NOBUCHI in TOKUNAGA, ISHIDA and NOBUCHI, 1954: *Sci. Rep. Sai-kyo Univ. Agric.*, **6**: 6 (*Ula*). Type-locality: Kibune, Kyoto pref., Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- succincta** ALEXANDER, 1933: *Philipp. J. Sci.*, **51**: 400 (*Ula*). Type-locality: Mt. Mitake, Musashi, Honshu (Japan).—Distr.: USSR: ?FE (?Sakhalin, ?Kuril Is); Asia: Japan (Honshu).
- sylvatica** (MEIGEN, 1818): *Syst. Besch.*, **1**: 132 (*Limnobia*). Type-locality: not given (?near Stolberg [D]).—Distr.: Europe: A, B, BG, CH, CS, D, DDR, DK, F (incl. Pyrenees), GB, H, I, IRE, L, N, NL, PL, R, S, SF, YU; USSR: from NET, CET and SET (Uk, Crimea) in the west to Yakutsk and Buryat ASSR (ES) in the east, also FE (Sakhalin).
- macroptera** (MACQUART, 1826): *Mém. Soc. Sci. Agric. Lille*, **1823-1824**: 158 (*Limnobia*). Type-locality: not given (northern France).
- pilosa** (SCHUMMEL, 1829): *Beitr. Ent.*, Breslau, **1**: 149 (*Limnobia*). Type-locality: not given.
- vagans** (WALKER, 1848): *List Dipt. Brit. Mus.*, **1**: 43 (*Limnobia*). Type-locality: England (Great Britain).
- quadrivittata** (LIOY, 1863): *Atti R. Ist. veneto Sci.*, (3) **9**: 225 (*Macroptera*). Type-locality: not given.

### Tribe Pediciini

#### Dicranota ZETTERSTEDT, 1838

ZETTERSTEDT, [1838]: *Insecta Lapp.*: 851.

Type-species: *Dicranota guerini* ZETTERSTEDT, [1838]: l.c.: 851 (mon.).

*Plectromyia* OSTEN SACKEN, 1869: see below as subgenus.

*Rhaphidolabis* OSTEN SACKEN, 1869: see below as subgenus.

*Amalopina* BRUNETTI, 1912: see below as subgenus.

*Rhaphidolabina* ALEXANDER, 1916: see below as subgenus.

*Eudicronata* ALEXANDER, 1934: see below as subgenus.

*Paradicranota* ALEXANDER, 1934: see below as subgenus.

#### Subgenus AMALOPINA BRUNETTI, 1912

BRUNETTI, 1912: *Fauna Brit. India, Dipt.*, **1**: 517 (as genus).

Type-species: *Amalopina elegantula* BRUNETTI, 1912: l.c.: 517 (mon.); not Palaearctic.



- fumicostata** ALEXANDER, 1935: Philipp. J. Sci., **56**: 357 (*Dicranota*). Type-locality: Urai (Taiwan).—Distr.: Asia: China (Zhejiang); Taiwan.
- hyalipennis** ALEXANDER, 1938: Philipp. J. Sci., **66**: 321 (*Dicranota*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- megaplagiata** ALEXANDER, 1933: Philipp. J. Sci., **51**: 399 (*Dicranota*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).

### Subgenus DICRANOTA ZETTERSTEDT, 1838

- bicornigera** SAVCHENKO, 1978: Vestn. zool., **1978**(5): 40 (*Dicranota*). Type-locality: Talgar gorge, Zailiyskiy Alatau (USSR).—Distr.: USSR: KZ (Zailiyskiy Alatau).
- bimaculata** (SCHUMMEL, 1829): Beitr. Ent., Breslau, **1**: 179 (*Limnobia*). Type-locality: ?near Wrocław (Poland).—Distr.: Europe: A, B, BG, CH, CS, D, DDR, DK, F, GB, I, IRE, N, NL, PL, R, S, SF; USSR: NET (north, west), CET (west), SET (Uk), ?WS (?Altai); North Africa: ?Morocco.
- demissa* (HALIDAY, 1833): Ent. Mag., **1**: 154 (*Limnobia*). Type-locality: not given (Holywood in Downshire, Ireland).
- stigmatella* (ZETTERSTEDT, [1838]): Insecta Lapp.: 835 (*Limnobia*). Type-locality: Lycksele (Sweden).
- finitima* (WALKER, 1848): List Dipt. Brit. Mus., **1**: 52 (*Limnobia*). Type-localities: England (Great Britain); Hammerfest (Norway).
- secreta* (WALKER, 1856): Ins. Brit., Dipt., **3**: 303 (*Limnobia*). Type-locality: not given (Great Britain).
- caesia** ALEXANDER, 1933: Philipp. J. Sci., **51**: 538 (*Dicranota*). Type-locality: near Tang-Gu (China).—Distr.: Asia: China (Sichuan-Tibet border). [Subgeneric position not certain.]
- crassicauda** TJEDER, 1972: Acta Soc. Fauna Flora fenn., **80**: 223 (*Dicranota*). Type-locality: Vietasjokk, Lule Lappmark, Lapland (Sweden).—Distr.: Europe: N, S, SF; USSR: KZ (Zailiyskiy Alatau), SMA (Tj).
- guerini** ZETTERSTEDT, [1838]: Insecta Lapp.: 851 (*Dicranota*). Type-locality: Lycksele (Sweden).—Distr.: Europe: A, CH, CS, DK, GB, IRE, N, S, SF; USSR: NET, CET (Li, Leningrad district), SMA (Ki), FE (Chukotka, Kamchatka, Sakhalin); Asia: Mongolia.
- galactoptera* ALEXANDER, 1927: Arkiv Zool., **19A**(9): 5 (*Dicranota*). Type-locality: Petropavlovsk, Kamchatka (USSR). [Synonymy not certain.]
- irregularis** PIERRE, 1921: Bull. Soc. Sci. nat. Maroc, **1**: 149 (*Dicranota*). Type-locality: Cirque d'Arround, Haute Réraya, High Atlas (Morocco).—Distr.: North Africa: Morocco. [Subgeneric position not certain.]
- mannheimsi** SAVCHENKO, 1972: Dopov. Akad. Nauk ukr. RSR (B), **1972**: 182 (*Dicranota*). Type-locality: Terskey Alatau (USSR: Ki).—Distr.: USSR: KZ (Zailiyskiy Alatau), SMA (Ki).

- nippoalpina** ALEXANDER, 1933: Philipp. J. Sci., **50**: 147 (*Dicranota*). Type-locality: Mt. Shirouma, Japanese Alps, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- nipponica** ALEXANDER, 1919: Ann. ent. Soc. Am., **12**: 344 (*Dicranota*). Type-locality: Meguro, Tokyo, Honshu (Japan).—Distr.: USSR: ES (south), FE (Primorskiy kray, Sakhalin, Kuril Is); Asia: Japan (Honshu).
- polaris** (RIEDEL, 1919): Zap. ross. Akad. Nauk (8) **28**(8): 1 (*Rhinoptila*). Type-locality: near Mt. Minisey, Polar Ural (USSR) (Polar Ural, Tobolsk region, Tyumen obl., USSR, by lectotype des. of SAVCHENKO and KANDYBINA, 1987).—Distr.: USSR: north Siberia from Polar Ural to Taymyr.
- quadrihamata** SAVCHENKO, 1977: Trudy biol.-pochv. Inst. DVNC AN SSSR, Vladivostok, (N.S.), **46**(149): 78 (*Dicranota*). Type-locality: Egvekinot, Krest bay, Chukotka (USSR).—Distr.: USSR: FE (Chukotka).
- retrorsa** SAVCHENKO, 1972: Insects of Mongolia, **1**: 723 (*Dicranota*). Type-locality: 35 km SW Ihtamir, Arhangay aimak (Mongolia).—Distr.: Asia: Mongolia.
- ruficornis** (SCHUMMEL, 1829): Beitr. Ent., Breslau, **1**: 180 (*Limnobia*). Type-locality: ?Silesia (Poland).—Distr.: Europe: CS, PL. [Subgeneric position not certain.]
- sicaria** ALEXANDER, 1947: Ann. ent. Soc. Am., **40**: 354 (*Dicranota*). Type-locality: Hamasaka, Hyogo pref., Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- yezoensis** ALEXANDER, 1924: Philipp. J. Sci., **24**: 571 (*Dicranota*). Type-locality: Akan lake, Hokkaido (Japan).—Distr.: USSR: FE (Sakhalin, Kuril Is); Asia: Japan (Hokkaido).
- yezoensis coreana** ALEXANDER, 1940: Philipp. J. Sci., **71**: 45 (*Dicranota*). Type-locality: Seren Mts (North Korea).—Distr.: Asia: North Korea.

#### Subgenus EUDICRANOTA ALEXANDER, 1934

ALEXANDER in CURRAN, 1934: Fam. Gen. N. Am. Dipt.: 46 (as subgenus of *Dicranota* ZETTERSTEDT, 1836).

Type-species: *Dicranota notabilis* ALEXANDER, 1929: Can. Ent., **61**: 18 (orig. des.); not Palaearctic.

*Dicranotella* ALEXANDER, 1949: Arkiv Zool., **42**(A)(2): 18 (as subgenus of *Dicranota* ZETTERSTEDT, 1838). Type-species: *Rhaphidolabina sibirica* ALEXANDER, 1925: Proc. U.S. natn. Mus., **68**(4): 10 (orig. des.).

**dicranotoides** (ALEXANDER, 1924): Ann. ent. Soc. Am., **17**: 72 (*Rhaphidolabina*). Type-locality: Mt. Takao, Musashi-no-kuni, Honshu (Japan).—Distr.: USSR: FE (Primorskiy kray, Kuril Is); Asia: Japan (Honshu, Shikoku).

- pallidipes** ALEXANDER, 1933: Philipp. J. Sci., **51**: 539 (*Dicranota*). Type-locality: Yu-Long-Si (China).—Distr.: Asia: China (Tibet border). [Subgeneric position not certain.]
- perdistincta** ALEXANDER, 1940: Philipp. J. Sci., **71**: 44 (*Dicranota*). Type-locality: Ompo (North Korea).—Distr.: Asia: North Korea.
- radialis** ALEXANDER, 1941: Philipp. J. Sci., **76**: 51 (*Dicranota*). Type-locality: Kaolingtzu near Kirin, Manchuria (China).—Distr.: Asia: China (northeast).
- sibirica** (ALEXANDER, 1925): Proc. U.S. natn. Mus., **68**(4): 10 (*Rhaphidolabina*). Type-locality: Amagu, Kudia river, Siberia (USSR).—Distr.: USSR: FE (Khabarovskiy kray, Primorskiy kray).
- sibirica immaculata** SAVCHENKO, 1989: Limoniidae of the USSR: 21 (*Dicranota*). Type-locality: Paramushir, Kuril Is (USSR).—Distr.: USSR: FE (Kuril Is).
- sibirica nebulipennis** ALEXANDER, 1936: Philipp. J. Sci., **60**: 183 (*Dicranota*, as species). Type-locality: Iwate-gun, Iwate pref., Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- sibirica pallidicosta** SAVCHENKO in SAVCHENKO and KRIVOLUTSKAYA, 1976: Limoniidae of the south Kuril Islands and south Sakhalin: 36 (*Dicranota*). Type-locality: near Mendeleyevo, west slopes of volcano Mendeleyev, Kunashir, Kuril Is (USSR).—Distr.: USSR: FE (Sakhalin, Kuril Is).
- simplex** ALEXANDER, 1938: Philipp. J. Sci., **66**: 320 (*Dicranota*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).

#### Subgenus PARADICRANOTA ALEXANDER, 1934

- ALEXANDER in CURRAN, 1934: Fam. Gen. N. Amer. Dipt.: 46 (as subgenus of *Dicranota* ZETTERSTEDT, 1838).  
Type-species: *Dicranota rivularis* OSTEN SACKEN, 1860: Proc. Acad. nat. Sci. Philad., **1859**: 249 (orig. des.); not Palearctic.
- brevicornis** BERGROTH, 1891: Mitt. naturf. Ges. Bern, **1890**: 136 (*Dicranota*). Type-locality: Weissenburg (Switzerland).—Distr.: Europe: A, BG, CH, CS, D, DDR, F, I, PL, YU; USSR: SET (Carpathians).  
*austriaca* NIELSEN, 1953: Z. wien. ent. Ges., **38**: 35 (*Dicranota*). Type-locality: near Admont (Austria).
- brevitarsis** BERGROTH, 1891: Mitt. naturf. Ges. Bern, **1890**: 135 (*Dicranota*). Type-locality: Weissenburg (Switzerland).—Distr.: Europe: A, CH, CS, D, DDR, F (incl. Corsica), I, R.  
*franziana* NIELSEN, 1953: Z. wien. ent. Ges., **38**: 35 (*Dicranota*). Type-locality: near Admont (Austria).
- candelisequa** STARÝ, 1981: Acta ent. bohemoslov., **78**: 195 (*Dicranota*). Type-locality: Belanské Tatry Mts, Tatranská Kotlina, Belá valley (Czechoslovakia).

- Distr.: Europe: A, BG, CS, D, R; USSR: SET (Carpathians, Crimea), TC (Adzhar ASSR).
- capillata** LACKSCHEWITZ, 1940: *Annln naturh. Mus. Wien*, **50**: 118 (*Dicranota*). Type-localities: Gastein; Salzburg (Austria).—Distr.: Europe: A, D, I.
- concovista** SAVCHENKO, 1977: *Trudy biol.-pochv. Inst. DVNC AN SSSR, Vladivostok, (N.S.)*, **46**(149): corrections (*Dicranota*, as new name for *Dicranota emarginata* SAVCHENKO, 1977, a junior secondary homonym of *Pedicia emarginata* ALEXANDER, 1945, now in *Dicranota*).—Distr.: USSR: FE (Kamchatka).
- emarginata* SAVCHENKO, 1977: *Trudy biol.-pochv. Inst. DVNC AN SSSR, Vladivostok, (N.S.)*, **46**(149): 80 (*Dicranota*). Type-locality: floodlands of Bushuyeva river, Kamchatka (USSR).
- consimilis** MENDEL, 1987: *Articulata*, **3**: 11 (*Dicranota*). Type-locality: near Belvi, Sardinia (Italy).—Distr.: Europe: F (Corsica), I (Sardinia).
- flammatra** STARÝ, 1981: *Acta ent. bohemoslov.*, **78**: 191 (*Dicranota*). Type-locality: Jeseníky Mts, Rejvíz, Moravia (Czechoslovakia).—Distr.: Europe: A, BG, CS, D, DDR, PL.
- fuscipennis** LACKSCHEWITZ, 1940: *Annln naturh. Mus. Wien*, **50**: 117 (*Dicranota*). Type-locality: Sölden, Tirol (Austria).—Distr.: Europe: A, BG, D, I, R.
- gracilipes** WAHLGREN, 1905: *Ent. Tidskr.*, **26**: 70 (*Dicranota*). Type-locality: Östergötland (Sweden).—Distr.: Europe: A, B, CH, CS, D, DDR, DK, GB, I, N, PL, S; USSR: NET, CET, SET, ?TC.
- hirtitergata** SAVCHENKO, 1979: *Zool. Zh.*, **58**: 1422 (*Dicranota*). Type-locality: Goderdzi pass, Arsian Mts, Adzhar ASSR (USSR: Ge).—Distr.: USSR: TC (Ge); Asia: Turkey.
- lackschewitziana** MENDEL, 1988: *Articulata*, **3**: 126 (*Dicranota*). Type-locality: Nassfeld near Salzburg (Austria).—Distr.: Europe: A, I.
- landrocki** CZIŽEK, 1931: *Z. mähr. Landesmus.*, **28**: 178 (*Dicranota*). Type-locality: Hadyberg [= Brno-Hády] (Czechoslovakia) (the same by lectotype des. of STARÝ, 1969).—Distr.: Europe: A, BG, CH, CS, D, H, I, R; USSR: CET (Li), SET (south), TC, SMA (Tj); Asia: Lebanon.
- martinovskiyi** STARÝ, 1974: *Annotnes zool.-bot. Bratisl.*, **99**: 5 (*Dicranota*). Type-locality: Rackova valley, West Tatra (Czechoslovakia).—Distr.: Europe: CS. [See *securifera*.]
- mikiana** LACKSCHEWITZ, 1940: *Annln naturh. Mus. Wien*, **50**: 115 (*Dicranota*). Type-locality: Semmering (Austria).—Distr.: Europe: A, CS.
- minuta** LACKSCHEWITZ, 1940: *Annln naturh. Mus. Wien*, **50**: 115 (*Dicranota*). Type-locality: Trafoi (Italy).—Distr.: Europe: CH, CS, D, I, PL, R; USSR: SET (Carpathians).
- ophidia** ALEXANDER, 1975: *Jl N.Y. ent. Soc.*, **83**: 134 (*Dicranota*). Type-locality: Zanus (Iran).—Distr.: Asia: Iran.
- pallens** LACKSCHEWITZ, 1940: *Annln naturh. Mus. Wien*, **50**: 118 (*Dicranota*). Type-locality: Korab (Albania).—Distr.: Europe: A, AL, BG, CH, CS, D, R.

- cinerascens* LACKSCHEWITZ, 1940: Annln naturh. Mus. Wien, **50**: 119 (*Dicranota*, as form of *pallens*). Type-locality: Musallah [= Musala], Rila (Bulgaria). [Synonymy not certain.]
- parviuncinata** SAVCHENKO in SAVCHENKO and PARKHOMENKO, 1983: Zool. Zh., **57**: 1353 (*Dicranota*). Type-locality: Ancha, Great Caucasus nature reserve, Krasnodarskiy kray (USSR).—Distr.: USSR: SET (southeast)
- pavida** (HALIDAY, 1833): Ent. Mag., **1**: 154 (*Limnobia*). Type-locality: not given (Holywood in Downshire, Ireland).—Distr.: Europe: A, B, CH, CS, D, DDR, DK, F, GB, H, IRE, N, NL, S; USSR: CET (northwest), SET (southwest).
- longitarsis* BERGROTH, 1891: Mitt. naturf. Ges. Bern, **1890**: 136 (*Dicranota*). Type-locality: Weissenburg (Switzerland).
- reitteri** MIK, 1882: Verh. zool.-bot. Ges. Wien, **31**: 317 (*Dicranota*). Type-localities: Arco; Bolzano (Italy).—Distr.: Europe: A, D, F, I.
- brachyptera* LACKSCHEWITZ, 1940: Annln naturh. Mus. Wien, **50**: 114 (*Dicranota*, as form of *reitteri*). Type-locality: Bolzano (Italy).
- robusta** LUNDSTRÖM, 1912: Acta Soc. Fauna Flora fenn., **36**(1): 66 (*Dicranota*). Type-localities: Kittilä; Muonio (Finland).—Distr.: Europe: A, CS, D, DDR, DK, F, GB, N, PL, S, SF, YU; USSR: NET (southwest), CET (La, Li); Asia: ?Turkey.
- furva* BERGROTH, 1922: Ent. Meddr, **14**: 17 (*Dicranota*). Type-localities: Thors Mölle; Hadsten (Denmark).
- rorida** LACKSCHEWITZ, 1940: Annln naturh. Mus. Wien, **50**: 120 (*Dicranota*). Type-locality: Gjalica Ljums (Albania).—Distr.: Europe: AL.
- rostrata** MENDL, 1987: Articulata, **3**: 14 (*Dicranota*). Type-locality: above Casale Staffora, Staffora valley, Lombardia (Italy).—Distr.: Europe: I.
- schistacea** LACKSCHEWITZ, 1940: Annln naturh. Mus. Wien, **50**: 119 (*Dicranota*). Type-locality: Schiltern (Austria).—Distr.: Europe: A, CS, D, DDR, R; USSR: ?SET (?Carpathians).
- securifera** SAVCHENKO, 1986: Fauna Ukrainy, **14**(2): 186 (*Dicranota*). Type-locality: near Ust-Chorna, Tjachevsk district, Zakarpatskaya obl. (USSR: Uk).—Distr.: USSR: SET (Carpathians). [?Conspecific with *martinovskiy* STARÝ, 1974.]
- simulans** LACKSCHEWITZ, 1940: Annln naturh. Mus. Wien, **50**: 116 (*Dicranota*). Type-locality: Vernet-les-Bains (France).—Distr.: Europe: A, B, BG, CS, D, DDR, F, GB, I, PL, R; USSR: SET (Carpathians), TC; Asia: Lebanon.
- spiralis** SAVCHENKO, 1980: Ent. Obozr., **59**: 392 (*Dicranota*). Type-locality: Talgar gorge, Zailiyskiy Alatau (USSR).—Distr.: USSR: KZ (Zailiyskiy Alatau).
- subtilis** LOEW, 1871: Besch. europ. Dipt., **2**: 18 (*Dicranota*). Type-locality: "Koszielisko am Fusse der Tatra" [= ?near Zakopane] (Poland).—Distr.: Europe: A, B, BG, CH, CS, D, DDR, DK, F (incl. Corsica), GB, I, IRE, ?IS, N, NL, PL, R, S, SF; USSR: CET (west), SET (south), TC.

## Subgenus PLECTROMYIA OSTEN SACKEN, 1869

OSTEN SACKEN, 1869: *Smithson. misc. Collns*, 8(219): 282 (as genus).

Type-species: *Plectromyia modesta* OSTEN SACKEN, 1869: l.c.: 284 (mon.); not Palaeartic.

*Astrolabis* OSTEN SACKEN, 1865: *Proc. ent. Soc. Philad.*, 4: 225. Nomen nudum.

**acuminata** MENDEL, 1972: *Fragm. ent.*, Roma, 8: 150 (*Dicranota*). Type-locality: upper reaches of Torre Arroschia river below S. Bernardo di Mendatica, Alpi Marittime (Italy).—Distr.: Europe: I.

## Subgenus RHAPHIDOLABINA ALEXANDER, 1916

ALEXANDER, 1916: *Proc. Acad. nat. Sci. Philad.*, 1916: 540 (as subgenus of *Rhaphidolabis* OSTEN SACKEN, 1869).

Type-species: *Rhaphidolabis flaveola* OSTEN SACKEN, 1869: *Smithson. misc. Collns*, 8(219): 288 (orig. des.); not Palaeartic.

*Ludicia* HUTSON et VANE-WRIGHT, 1969: *Entomologist's Gaz.*, 20: 243 (as subgenus of *Pedicia* LATREILLE, 1809). Type-species: *Tricyphona lucidipennis* EDWARDS, 1921: *Trans. R. ent. Soc. Lond.*, 1921: 226 (orig. des.).

**aberrans** SAVCHENKO in SAVCHENKO and PARKHOMENKO, 1980: *Freshwater Fauna of the Far East, Vladivostok*: 96 (*Dicranota*). Type-locality: Beringovskiy, Chukotka (USSR).—Distr.: USSR: ES (Buryat ASSR), FE (Chukotka, Primorskiy kray). [Subgeneric position not certain.]

**claripennis** (VERRALL, 1888): *Entomologist's mon. Mag.*, 25: 99 (*Amalopsis*). Type-localities: Frant; Barmouth (Great Britain).—Distr.: Europe: A, B, D, F, GB, I, IRE, NL, ?YU.

**clausa** ALEXANDER, 1938: *Philipp. J. Sci.*, 66: 115 (*Dicranota*). Type-locality: Matsuo, Iwate pref., Honshu (Japan).—Distr.: USSR: FE (Sakhalin, Kuril Is); Asia: Japan (Honshu, Shikoku).

**emarginata** (ALEXANDER, 1945): *Trans. R. ent. Soc. Lond.*, 95: 243 (*Pedicia*). Type-locality: Seren Mts (North Korea).—Distr.: USSR: FE (Primorskiy kray); Asia: North Korea.

**iranensis** (ALEXANDER, 1974): *Jl N.Y. ent. Soc.*, 82: 280 (*Pedicia*). Type-locality: Javardi (Iran).—Distr.: USSR: SET (southeast), TC; Asia: Iran.

**lucidipennis** (EDWARDS, 1921): *Trans. R. ent. Soc. Lond.*, 1921: 226 (*Tricyphona*). Type-locality: Elgin, Grantown (Great Britain).—Distr.: Europe: A, B, BG, CH, CS, D, DDR, F, GB, I, IRE, PL, R, YU; USSR: SET (Carpathians). [See *luteicolor*.]

- luteicolor** (ALEXANDER, 1974): *Jl N.Y. ent. Soc.*, **82**: 282 (*Pedicia*). Type-locality: Cipari (Yugoslavia).—Distr.: Europe: YU. [?Conspecific with *lucidipennis* EDWARDS, 1928.]
- meridiana** MENDL, 1988: *Articulata*, **3**: 95 (*Dicranota*). Type-locality: above Mucone near Camigliatello, Sila Grande, Calabria (Italy).—Distr.: Europe: I.
- trifurcata** (EDWARDS, 1928): *Encycl. ent. (B II) Dipt.*, **4**: 185 (*Tricyphona*). Type-localities: Restonica valley; Valdoniella forest (France: Corsica).—Distr.: Europe: F (Corsica), I (incl. Sardinia).

### Subgenus RHAPHIDOLABIS OSTEN SACKEN, 1869

- OSTEN SACKEN, 1869: *Smithson. misc. Collns*, **8**(219): 284 (as genus).  
Type-species: *Rhaphidolabis tenuipes* OSTEN SACKEN, 1869: l.c.: 287 (orig. des.); not Palaearctic.
- angulata** ALEXANDER, 1936: *Philipp. J. Sci.*, **60**: 182 (*Dicranota*). Type-locality: Iwate-gun, Iwate pref., Honshu (Japan).—Distr.: USSR: FE (Kuril Is); Asia: Japan (Honshu).
- angustistyla** ALEXANDER, 1940: *Philipp. J. Sci.*, **71**: 185 (*Dicranota*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- babai** ALEXANDER, 1958: *Philipp. J. Sci.*, **86**: 298 (*Dicranota*). Type-locality: Kure, Aki, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- basistylata** ALEXANDER, 1958: *Philipp. J. Sci.*, **86**: 300 (*Dicranota*). Type-locality: Kurokawa, Echigo, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- biloba** ALEXANDER, 1936: *Philipp. J. Sci.*, **59**: 242 (*Dicranota*). Type-locality: Wen Chuan, Sichuan (China).—Distr.: Asia: China (Sichuan); India.
- commutata** SAVCHENKO in SAVCHENKO and KRIVOLUTSKAYA, 1976: *Limoniidae of the south Kuril Islands and south Sakhalin*: 44 (*Dicranota*). Type-locality: west slopes of Chekhov peak near Novo-Alexandrovsk, Sakhalin (USSR).—Distr.: USSR: FE (Primorskiy kray, Sakhalin, Kuril Is, ?Kamchatka).
- complicata** SAVCHENKO, 1979: *Vestn. zool.*, **1979**(1): 24 (*Dicranota*). Type-locality: near Chekhov peak, Sakhalin (USSR).—Distr.: USSR: FE (Sakhalin, Kuril Is).
- consors** ALEXANDER, 1923: *Ann. ent. Soc. Am.*, **16**: 68 (*Dicranota*). Type-locality: Tamagawa, Saitama pref., Honshu (Japan).—Distr.: USSR: FE (Sakhalin, Kuril Is); Asia: Japan (Honshu, Shikoku, Kyushu).
- exclusa** (WALKER, 1848): *List Dipt. Brit. Mus.*, **1**: 49 (*Limnobia*). Type-locality: Alten [= Alta] (Norway).—Distr.: Europe: CS, D, DDR, DK (Faeroes), GB, IRE, IS, N, PL, S, SF; USSR: CET (Li), WS (Altai, Tuva), ES (Buryat ASSR), FE (Kamchatka, Primorskiy kray, Kuril Is).
- coelebs** (ZETTERSTEDT, 1851): *Dipt. scand.*, **10**: 3898 (*Limnobia*). Type-localities: Mulfjellet (Sweden); between Suul and Kongsstuen (Norway).

- ferruginea** SAVCHENKO, 1983: Vestn. zool., 1983(1): 13 (*Dicranota*). Type-locality: Chon-Uryukty, Issyk Kul lake (USSR: Ki).—Distr.: USSR: SMA (Ki).
- flavibasis** (ALEXANDER, 1919): Ann. ent. Soc. Am., 12: 343 (*Rhaphidolabis*). Type-locality: Meguro, Tokyo, Honshu (Japan).—Distr.: USSR: FE (Sakhalin, Kuril Is); Asia: Japan (Honshu).
- flavibasis minuscula** ALEXANDER, 1938: Philipp. J. Sci., 67: 151 (*Dicranota*). Type-locality: Ompo (North Korea).—Distr.: USSR: FE (Primorskiy kray, Kuril Is); Asia: North Korea.
- gibbera** (ALEXANDER, 1921): Ann. ent. Soc. Am., 14: 121 (*Rhaphidolabina*). Type-locality: Gifu, Honshu (Japan).—Distr.: USSR: FE (Sakhalin, Kuril Is); Asia: Japan (Hokkaido, Honshu, Shikoku, Kyushu); Taiwan.
- karafutonis* ALEXANDER, 1930: Philipp. J. Sci., 42: 520 (*Dicranota*, as subsp. of *gibbera*). Type-locality: Maoka [= Nevelsk], Sakhalin (USSR).
- idiopyga** ALEXANDER, 1953: Philipp. J. Sci., 82: 62 (*Dicranota*). Type-locality: Mt. Tsurugi, Awa, Kawati to Minokosi, Shikoku (Japan).—Distr.: Asia: Japan (Shikoku).
- luteola** ALEXANDER, 1938: Philipp. J. Sci., 67: 152 (*Dicranota*). Type-locality: Ompo (North Korea).—Distr.: USSR: FE (Primorskiy kray); Asia: North Korea.
- macracantha** ALEXANDER, 1947: Ann. ent. Soc. Am., 40: 354 (*Dicranota*). Type-locality: Kamikochi, Shinano, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- mesasiatica** SAVCHENKO, 1973: Dopov. Akad. Nauk ukr. RSR (B), 1973: 568 (*Dicranota*). Type-locality: Vanch, Darvaz Mts (USSR: Tj).—Distr.: USSR: KZ (Zailiyskiy Alatau), SMA (Tj).
- neoconsors** ALEXANDER, 1938: Philipp. J. Sci., 67: 153 (*Dicranota*). Type-locality: Seren Mts (North Korea).—Distr.: USSR: FE (Primorskiy kray); Asia: North Korea.
- ompoana** ALEXANDER, 1945: Trans. R. ent. Soc. Lond., 95: 246 (*Dicranota*). Type-locality: Ompo (North Korea).—Distr.: Asia: North Korea.
- ontakensis** ALEXANDER, 1947: Ann. ent. Soc. Am., 40: 355 (*Dicranota*). Type-locality: Ontake, Hida, southern Alps, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- paraconsors** ALEXANDER, 1955: Ann. ent. Soc. Am., 48: 372 (*Dicranota*). Type-locality: Mt. Yatsuga, Shinano, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- persessilis** ALEXANDER, 1954: Philipp. J. Sci., 82: 291 (*Dicranota*). Type-locality: Mt. Saragamine, Iyo, Shikoku (Japan).—Distr.: Asia: Japan (Shikoku).
- platymera** ALEXANDER, 1934: Philipp. J. Sci., 53: 279 (*Dicranota*). Type-locality: Yumoto, Shimotsuke, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- polymera** ALEXANDER, 1933: Philipp. J. Sci., 51: 537 (*Dicranota*). Type-locality: Wakasugiyama, Chizuzen, Kyushu (Japan).—Distr.: Asia: Japan (Shikoku, Kyushu).



- praecisa** ALEXANDER, 1938: Philipp. J. Sci., **66**: 319 (*Dicranota*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- profunda** ALEXANDER, 1950: Ann. ent. Soc. Am., **43**: 425 (*Dicranota*). Type-locality: Funakosi, Iwate pref., Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- punctipennis** (EDWARDS, 1928): Ann. Mag. nat. Hist., (10) **1**: 703 (*Rhaphidolabis*). Type-locality: Yatung, Tibet (China).—Distr.: Asia: China (Tibet).
- sinoalpina** ALEXANDER, 1933: Philipp. J. Sci., **50**: 148 (*Dicranota*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- spina** ALEXANDER, 1933: Philipp. J. Sci., **51**: 398 (*Dicranota*). Type-locality: Mt. Kurobegoro, Echiu, Honshu (Japan).—Distr.: USSR: FE (Kuril Is); Asia: Japan (Hokkaido, Honshu).
- squarrosa** SAVCHENKO in SAVCHENKO and KRIVOLUTSKAYA, 1976: Limoniidae of the south Kuril Islands and south Sakhalin: 43 (*Dicranota*). Type-locality: near Novo-Alexandrovsk, Sakhalin (USSR).—Distr.: USSR: FE (Sakhalin, Kuril Is).
- subconsors** ALEXANDER, 1924: Philipp. J. Sci., **24**: 571 (*Dicranota*). Type-locality: lake Shikotsu, Hokkaido (Japan).—Distr.: Asia: Japan (Hokkaido).
- trilobulata** ALEXANDER, 1958: Philipp. J. Sci., **86**: 303 (*Dicranota*). Type-locality: Kurokawa, Echigo, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- tuberculata** ALEXANDER, 1936: Philipp. J. Sci., **59**: 241 (*Dicranota*). Type-locality: Kibune, Kyoto pref., Honshu (Japan).—Distr.: USSR: ?FE (?Primorskiy kray); Asia: Japan (Hokkaido, Honshu).
- tumidosa** ALEXANDER, 1960: Philipp. J. Sci., **88**: 167 (*Dicranota*). Type-locality: Khoghozi, Hindukush range, Chitral (Pakistan).—Distr.: USSR: KZ (Zailiyskiy Alatau); Asia: Pakistan (north), India (Kashmir).
- yanoana** ALEXANDER, 1958: Trans. Shikoku ent. Soc., **6**: 3 (*Dicranota*). Type-locality: Omogokei, Iyo, Shikoku (Japan).—Distr.: Asia: Japan (Shikoku).

### **Heterangaeus** ALEXANDER, 1925

ALEXANDER, 1925: Ann. Mag. nat. Hist., (9) **15**: 78.

Type-species: *Polyangaeus gloriosus* ALEXANDER, 1924: Philipp. J. Sci., **24**: 569 (orig. des.).

- esakii** ALEXANDER, 1925: Ann. Mag. nat. Hist., (9) **15**: 79 (*Heterangaeus*). Type-locality: lake Ozenuma, on boundary between Iwashiro-no-kuni and Kotsuke-no-kuni, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- gloriosus** (ALEXANDER, 1924): Philipp. J. Sci., **24**: 569 (*Polyangaeus*). Type-locality: Shimizu [= Chistovidnoye], Kholmsk district, Sakhalin (USSR).—Distr.: USSR: FE (Sakhalin, Kuril Is); Asia: North Korea, Japan (Honshu).

- gloriosus kusunokii** ALEXANDER, 1954: *Philipp. J. Sci.*, **82**: 290 (*Heterangaesus*). Type-locality: Yuyama, near Matsuyama, Iyo, Shikoku (Japan).—Distr.: Asia: Japan (Shikoku).
- japonicus** (ALEXANDER, 1919): *Ann. ent. Soc. Am.*, **12**: 342 (*Polyangaesus*). Type-locality: Saitama pref., Honshu (Japan).—Distr.: Asia: Japan (Honshu, Shikoku, Kyushu).
- japonicus crenatus** ALEXANDER, 1933: *Philipp. J. Sci.*, **51**: 541 (*Heterangaesus*). Type-locality: Mt. Ohdai, Nara pref., Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- laticinctus** ALEXANDER, 1931: *Philipp. J. Sci.*, **44**: 355 (*Heterangaesus*). Type-locality: Hirayu, Japanese Alps, Shinano, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- pallidellus** ALEXANDER, 1933: *Philipp. J. Sci.*, **51**: 540 (*Heterangaesus*). Type-locality: Mt. Kurobegoro, Echium, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- spectabilis** ALEXANDER, 1925: *Ann. Mag. nat. Hist.*, (9) **15**: 80 (*Heterangaesus*). Type-locality: Hinoemata, Iwashiro-no-kuni, Honshu (Japan).—Distr.: Asia: Japan (Honshu).

#### **Nasiternella WAHLGREN, 1904**

WAHLGREN, 1904: *Arkiv Zool.*, **2**(7): 4 (as new name for *Nasiterna* WALLENGREN, 1882, a junior homonym of *Nasiterna* WAGLER, 1832).

Type-species: *Limnobia varinervis* ZETTERSTEDT, 1851: *Dipt. scand.*, **10**: 3813 (aut.).

*Nasiterna* WALLENGREN, 1882: *Ent. Tidskr.*, (1) **2**(4): 179 and 191. Type-species: *Limnobia varinervis* ZETTERSTEDT, 1851: *Dipt. scand.*, **10**: 3813 (mon.).

**regia** RIEDEL, 1914: *Annl. hist.-nat. Mus. natn. hung.*, **12**: 150 (*Nasiternella*). Type-locality: Ungarn: Brassó [= Brasov, Roumania].—Distr.: Europe: A, AL, R.

**varinervis** (ZETTERSTEDT, 1851): *Dipt. scand.*, **10**: 3813 (*Limnobia*). Type-locality: Garnäs Vaerdaliae (Norway).—Distr.: Europe: CS, N: USSR: SET (Carpathians), ES (south), FE (Kamchatka, Primorskiy kray, Sakhalin, Kuril Is); Asia: North Korea, Japan (Hokkaido, Shikoku).

**hokkaidensis** (ALEXANDER, 1934): *Philipp. J. Sci.*, **53**: 278 (*Pedicia*). Type-locality: Sounkyo, Hokkaido (Japan).

**Nipponomyia** ALEXANDER, 1924

ALEXANDER, 1924: *Insecutor Inscit. menstr.*, **12**: 158.

Type-species: *Tricyphona kuwanai* ALEXANDER, 1913: *Can. Ent.*, **45**: 318 (orig. des.).

**gracilis** SAVCHENKO, 1983: *Limoniidae south Primorye*: 34 (*Nipponomyia*). Type-locality: Petr Velikiy bay, 3 km S Ryazanovka river, Khasan district, Primorskiy kray (USSR).—Distr.: USSR: FE (Primorskiy kray).

**kuwanai** (ALEXANDER, 1913): *Can. Ent.*, **45**: 318 (*Tricyphona*). Type-locality: Tokyo, Honshu (Japan).—Distr.: Asia: Japan (Honshu).

**pentacantha** ALEXANDER, 1958: *Philipp. J. Sci.*, **86**: 293 (*Nipponomyia*). Type-locality: Mt. Amakazari, Echigo, Honshu (Japan).—Distr.: Asia: Japan (Honshu).

**szechwanensis** ALEXANDER, 1935: *Philipp. J. Sci.*, **56**: 550 (*Nipponomyia*). Type-locality: Kwanhsien, Sichuan (China).—Distr.: Asia: China (Sichuan).

**trispinosa** (ALEXANDER, 1920): *Trans. Am. ent. Soc.*, **46**: 15 (*Tricyphona*). Type-locality: ?Kyoto, Honshu (Japan).—Distr.: USSR: FE (Kurul Is); Asia: Japan (Honshu, Shikoku).

**Pedicia** LATREILLE, 1809

LATREILLE, 1809: *Gen. Crust. Ins.*, **4**: 255.

Type-species: *Tipula rivosa* LINNAEUS, 1758: *Syst. Nat.*, Ed. 10, **1**: 585 (mon.).

*Daimiotipula* MATSUMURA, 1916: *Thousand Ins. Japan, Add.* **2**: 463. Type-species:

*Daimiotipula daimio* MATSUMURA, 1916: *l.c.*: 462 and 463 (orig. des.).

*Amalopis* HALIDAY, 1856: see below as subgenus.

*Crunobia* KOLENATI, 1859: see below as subgenus.

Subgenus **AMALOPIS** HALIDAY, 1856

HALIDAY *in* WALKER, 1856: *Ins. Brit., Dipt.*, **3**, Addenda and corrigenda: 15 (as genus).

Type-species: *Limnobia occulta* MEIGEN, 1830: *Syst. Besch.*, **6**: 279 (orig. des.).

*Olecranopelma* ENDERLEIN, 1936: *Tierwelt Mitteleurop.*, **6**(2), *Ins.*, **3**(16): 23 (as genus). Type-species: *Olecranopelma transversa*: ENDERLEIN, 1936: *l.c.*: 23, not MEIGEN, 1804, misidentification (orig. des.) [= *occulta* (MEIGEN, 1830)].

**depressiloba** ALEXANDER, 1945: *Trans. R. ent. Soc. Lond.*, **95**: 244 (*Pedicia*). Type-locality: Ompo (North Korea).—Distr.: USSR: FE (Khabarovskiy kray, Primorskiy kray); Asia: North Korea.

- reductiloba* SAVCHENKO in SAVCHENKO and KRIVOLUTSKAYA, 1976: Limoniidae of the south Kuril Islands and south Sakhalin: 29 (*Pedicia*, as subsp. of *vetusta* ALEXANDER). Type-locality: Benevskoye, Lazovskiy district, Primorskiy kray (USSR).
- fimbriatula** ALEXANDER, 1953: Philipp. J. Sci., **82**: 59 (*Pedicia*). Type-locality: Mt. Tsurugi, Awa, Minokosi to Nagoro, Shikoku (Japan).—Distr.: Asia: Japan (Shikoku).
- norikuræ** ALEXANDER, 1958: Philipp. J. Sci., **86**: 289 (*Pedicia*). Type-locality: Mt. Norikura, Shinano, Honshu (Japan).—Distr.: USSR: FE (Amur obl., Sakhalin, Kuril Is); Asia: Japan (Honshu).
- occulta** (MEIGEN, 1830): Syst. Besch., **6**: 279 (*Limnobia*). Type-locality: not given (?near Stolberg [D]).—Distr.: Europe: A, AL, B, BG, CH, CS, D, DDR, E, F (incl. Corsica), GB, GR (Crete), H, I, IRE, PL, R, YU; USSR: SET (Carpathians, Crimea), TC; Asia: Lebanon.
- gmundensis* (EGGER, 1863): Verh. zool.-bot. Ges. Wien, **13**: 1104 (*Amalopsis*). Type-locality: Gmunden (Austria).
- opaca* (EGGER, 1863): Verh. zool.-bot. Ges. Wien, **13**: 1104 (*Amalopsis*). Type-locality: Gmunden (Austria).
- transversa*: ENDERLEIN, 1936: Tierwelt Mitteleurop., **6**(2), Ins., **3**(16): 23, not MEIGEN, 1804. misidentification.
- pallida** SAVCHENKO in SAVCHENKO and KRIVOLUTSKAYA, 1976: Limoniidae of the south Kuril Islands and south Sakhalin: 30 (*Pedicia*). Type-locality: near Malokurilskoye, Shikotan, Kuril Is (USSR).—Distr.: USSR: FE (Kuril Is).
- seticauda** (ALEXANDER, 1925): Ann. Mag. nat. Hist., (9) **15**: 77 (*Tricyphona*). Type-locality: lake Ozenuma on boundary between Iwashiro-no-kuni and Kotsuke-no-kuni, Honshu (Japan).—Distr.: USSR: FE (Kuril Is); Asia: Japan (Hokkaido, Honshu, Shikoku, Kyushu).
- setipennis** (ALEXANDER, 1931): Philipp. J. Sci., **44**: 355 (*Tricyphona*). Type-locality: Mt. Norikura, Japanese Alps, Shinano, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- tenuiloba** ALEXANDER, 1957: Philipp. J. Sci., **85**: 354 (*Pedicia*). Type-locality: Kurokawa, Ecunigo, Honshu (Japan).—Distr.: USSR: FE (Kuril Is, ?Moneron); Asia: Japan (Honshu).
- tenuiloba grisea** SAVCHENKO in SAVCHENKO and KRIVOLUTSKAYA, 1976: Limoniidae of the south Kuril Islands and south Sakhalin: 27 and 30 (*Pedicia*). Type-locality: near Novo-Alexandrovsk, Sakhalin (USSR).—Distr.: USSR: FE (Sakhalin).
- vetusta** (ALEXANDER, 1913): Can. Ent., **45**: 320 (*Tricyphona*). Type-locality: Tokyo, Honshu (Japan).—Distr.: USSR: FE (Kuril Is); Asia: Japan (Hokkaido, Honshu, Shikoku).

## Subgenus CRUNOBIA KOLENATI, 1859

KOLENATI, 1859: Jahresh. nat. Sect. k.k. mähr.-schles. Ges. Ackerbau, Natur-, Landesk., 1858: 59 (as genus).

Type-species: *Crunobia schienerii* KOLENATI, 1859: l.c.: 59 (mon.) [= *straminea* (MEIGEN, 1838)].

- dispar** SAVCHENKO, 1978: Zool. Zh., 57: 700 (*Pedicia*). Type-locality: between Adigeni and Goderdzi pass, Arsian Mts, Adzhar ASSR (USSR: Ge).—Distr.: USSR: TC (southwest).
- littoralis** (MEIGEN, 1804): Klass. Beschr., 1: 56 (*Limonia*). Type-locality: not given (?near Stolberg [D]).—Distr.: Europe: A, B, BG, CH, CS, D, DDR, DK, F (incl. Corsica), GB, ?H, I, IRE, NL, PL, R, S, YU; USSR: SET (Carpathians).
- binotata** (MEIGEN, 1838): Syst. Beschr., 7: 29 (*Limnobia*). Type-locality: near Liège (Belgium).
- tipulina** (EGGER, 1863): Verh. zool.-bot. Ges. Wien, 13: 1103 (*Amalopis*). Type-locality: Silesia (Poland).
- inconstans**: European authors, not OSTEN SACKEN, 1860, misidentifications.
- lobifera** SAVCHENKO, 1986: Fauna Ukrainy, 14(2): 159 (*Pedicia*). Type-locality: near Nevitskoye, Uzhgorod district, Zakarpatskaya obl. (USSR: Uk).—Distr.: USSR: SET (Carpathians).
- patens** ALEXANDER, 1938: Philipp. J. Sci., 67: 148 (*Pedicia*). Type-locality: Ompo (North Korea).—Distr.: USSR: FE (Primorskiy kray); Asia: North Korea.
- persica** ALEXANDER, 1974: JI N.Y. ent. Soc., 82: 279 (*Pedicia*). Type-locality: Haradan (Iran).—Distr.: Asia: Iran.
- riedeli** (LACKSCHEWITZ, 1940): Annln naturh. Mus. Wien, 50: 106 (*Tricyphona*). Type-localities: near Reinerz [= Duszniki Zdrój, W of Klodzko] (Poland); Frankenfels (Austria); Raibl (Yugoslavia).—Distr.: Europe: A, CS, D, DDR, PL, YU (north).
- riedeli nielseni** (SLÍPKA, 1955): Zool. Anz., 154: 69 (*Tricyphona*, as species). Type-locality: Temnosmrecinovska valley, High Tatra (Czechoslovakia).—Distr.: Europe: BG, CS, R; USSR: SET (Carpathians).
- semireducta** SAVCHENKO, 1978: Zool. Zh., 57: 706 (*Pedicia*). Type-locality: near Khandy, Akhalkalaki district, Dzhavakhet Mts (USSR: Ge).—Distr.: USSR: TC (Ge).
- spinifera** STARÝ, 1974: Annotnes zool.-bot. Bratisl., 99: 3 (*Pedicia*). Type-locality: Yamakov, Rila Mts (Bulgaria).—Distr.: Europe: BG, R.
- staryi** SAVCHENKO, 1978: Zool. Zh., 57: 709 (*Pedicia*). Type-locality: near Vorokhta, Ivano-Frankovsk obl. (USSR: Uk).—Distr.: USSR: SET (Carpathians).
- straminea** (MEIGEN, 1838): Syst. Beschr., 7: 28 (*Limnobia*). Type-locality: not given (?near Stolberg [D]).—Distr.: Europe: A, B, CH, CS, D, DDR, DK, F,

- GB, ?H, I, N, NL, PL, R, S, SF, YU; USSR: NET (west), CET (west), SET (west).
- geniculata* (MEIGEN, 1818): Syst. Besch., 1: 124 (*Limnobia*). Type-locality: Harz (Germany). [A questionable senior synonym.]
- schienerei* (KOLENATI, 1859): Jahresh. nat. Sect. k.k. mähr.-schles. Ges. Ackerbau, Natur-, Landesk., 1858: 59 (*Crunobia*). Type-locality: sources of Tess [= Desná] stream, Altvater [= Praded], Moravia (Czechoslovakia).
- tjederi* MENDL, 1974: Fragm. ent., Roma, 10: 30 (*Pedicia*). Type-locality: Torre Sorna S of St. Giacomo, Monte Baldo (Italy).—Distr.: Europe: I.
- zangheriana* NIELSEN, 1950: Bull. Soc. ent. ital., 80: 48 (*Pedicia*). Type-locality: Ladino, Forli (Italy).—Distr.: Europe: F, I.
- zernyi* (LACKSCHEWITZ, 1940): Annln naturh. Mus. Wien, 50: 107 (*Tricyphona*). Type-locality: Breno valley near Dubrovnik (Yugoslavia).—Distr.: Europe: A, AL, GR (incl. Kerkira), PL [= ?subsp. *pallens*], R, YU.
- zernyi elegantula* SAVCHENKO, 1978: Zool. Zh., 57: 703 (*Pedicia*). Type-locality: near Bakhmaro, Adzharo-Imeretin Mts (USSR: Ge).—Distr.: USSR: TC (Ge, Az).
- zernyi pallens* SAVCHENKO, 1978: Zool. Zh., 57: 703 (*Pedicia*). Type-locality: near Vorokhta, Ivano-Frankovsk obl. (USSR: Uk).—Distr.: Europe: CS, ?PL, R; USSR: SET.

#### Subgenus PEDICIA LATREILLE, 1809

- arctica* FREY, 1921: Notul. ent., 1: 110 (*Pedicia*). Type-locality: Ponoy, Kola peninsula (USSR).—Distr.: USSR: NET (north), WS (north), ES (Yakutsk ASSR), FE (Amur obl.).
- baikalica* (ALEXANDER, 1930): Philipp. J. Sci., 42: 66 (*Tricyphona*). Type-locality: Turan, Baikal (USSR).—Distr.: USSR: ES (Buryat ASSR).
- brachycera* ALEXANDER, 1933: Philipp. J. Sci., 50: 145 (*Pedicia*). Type-locality: Mt. Shirouma, Japanese Alps, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- cockerelli* ALEXANDER, 1925: Proc. U.S. natn. Mus., 68: 9 (*Pedicia*). Type-locality: Olga, Primorskiy kray (USSR).—Distr.: USSR: FE (Primorskiy kray, Sakhalin).
- cubitalis* ALEXANDER, 1933: Philipp. J. Sci., 51: 396 (*Pedicia*). Type-locality: Mt. Kurobegoro, Echiu, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- daimio* (MATSUMURA, 1916): Thousand Ins. Japan, Add. 2: 462 and 463 (*Daimio-tipula*). Type-locality: Sapporo, Hokkaido (Japan).—Distr.: Asia: Japan (Hokkaido).
- gaudens* (ALEXANDER, 1925): Ann. ent. Soc. Am., 17: 440 (*Tricyphona*). Type-locality: Kyoto, Honshu (Japan).—Distr.: Asia: Japan (Honshu).

- gifuensis** KARIYA, 1934: Philipp. J. Sci., **53**: 305 (*Pedicia*). Type-locality: Mt. Kinkwa, Gifu, Honshu (Japan).—Distr.: USSR: FE (Kuril Is); Asia: Japan (Hokkaido, Honshu, Kyushu).
- gifuensis sawadai** KARIYA, 1934: Philipp. J. Sci., **53**: 306 (*Pedicia*). Type-locality: Gora, Hakone, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- grandior** (ALEXANDER, 1923): Ann. ent. Soc. Am., **16**: 69 (*Tricyphona*). Type-locality: Mt. Hakuba, Shinano, Honshu (Japan).—Distr.: Asia: Japan (Honshu, Kyushu).
- issikiella** ALEXANDER, 1953: Philipp. J. Sci., **82**: 57 (*Pedicia*). Type-locality: Mt. Tsurugi, Awa, Minokosi, Shikoku (Japan).—Distr.: Asia: Japan (Shikoku).
- kuwayamai** ALEXANDER, 1966: Mushi, **39**: 124 (*Pedicia*). Type-locality: Uennai [= Petrovo], Kunashir, Kuril Is (USSR).—Distr.: USSR: FE (Sakhalin, Kuril Is).
- laetabilis** ALEXANDER, 1938: Philipp. J. Sci., **67**: 144 (*Pedicia*). Type-locality: Ompo (North Korea).—Distr.: USSR: FE (Amur obl., Primorskiy kray, Sakhalin); Asia: North Korea.
- nawai** KARIYA, 1934: Philipp. J. Sci., **53**: 304 (*Pedicia*). Type-locality: Mt. Ontake, Hida, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- rivosa** (LINNAEUS, 1758): Syst. Nat., Ed. 10, **1**: 585 (*Tipula*). Type-locality: Europe.—Distr.: Europe: A, B, BG, CH, CS, D, DDR, DK, F (incl. Pyrenees), GB, H, I, IRE, N, NL, PL, R, S, SF; USSR: NET, CET, SET, ?WS (?Altai).
- triangularis* (FABRICIUS, 1775): Syst. entom.: 749 (*Tipula*). Type-locality: Scotland (Great Britain).
- rivosa mannheimsi** LINDNER, 1966: Stuttg. Beitr. Naturk., No **149**: 7 (*Pedicia*). Type-locality: Schwarzwald [D].—Distr.: Europe: D, F.
- simulata** ALEXANDER, 1938: Philipp. J. Sci., **67**: 146 (*Pedicia*). Type-locality: Chonsani, Paiktusan (North Korea).—Distr.: USSR: FE (Primorskiy kray); Asia: North Korea.
- subtransversa** ALEXANDER, 1933: Philipp. J. Sci., **50**: 146 (*Pedicia*). Type-locality: Mt. Shirouma, Japanese Alps, Honshu (Japan).—Distr.: Asia: North Korea, Japan (Honshu).
- subtransversa triacantha** ALEXANDER, 1958: Philipp. J. Sci., **86**: 287 (*Pedicia*). Type-locality: Mt. Amakazari, Echigo, Honshu (Japan).—Distr.: Asia: Japan (Honshu).

### Savchenkolana KOCÁK, 1981

KOCÁK, 1981: Priamus, **1**: 111 (as new name for *Eugenia* SAVCHENKO, 1977, a junior homonym of *Eugenia* GOULD, 1856).

Type-species: *Eugenia mokrzhitskae* SAVCHENKO, 1977: Dokl. Akad. Nauk ukr. RSR (B), **1977**: 568 (aut.).

*Eugenia* SAVCHENKO, 1977: Dokl. Akad. Nauk ukr. RSR (B), 1977: 567. Type-species: *Eugenia mokrzhitskiae* SAVCHENKO, 1977: l.c.: 568 (orig. des.).

**mokrzhitskiae** (SAVCHENKO, 1977): Dokl. Akad. Nauk ukr. RSR (B), 1977: 568 (*Eugenia*). Type-locality: near Primorskiy, Khasan district, Primorskiy kray (USSR).—Distr.: USSR: FE (Primorskiy kray).

### **Tricyphona ZETTERSTEDT, 1837**

ZETTERSTEDT, 1837: Isis (Oken's), 1837(1): 65.

Type-species: *Limonia immaculata* MEIGEN, 1804: Klass. Beschr., 1: 58 (mon.).

*Tricyphona* ZETTERSTEDT, [1838]: Insecta Lapp.: 851. Type-species: *Limonia immaculata* MEIGEN, 1804: Klass. Beschr., 1: 58 (mon.).

*Bophrosia* RONDANI, 1856: Dipt. Ital. Prodromus, 1: 183. Type-species: *Limonia immaculata* MEIGEN, 1804: Klass. Beschr., 1: 58 (orig. des.).

*Trifurcaria* LACKSCHEWITZ, 1964: see below as subgenus.

### Subgenus TRICYPHONA ZETTERSTEDT, 1837

**acicularis** (ALEXANDER, 1945): Trans. R. ent. Soc. Lond., 95: 242 (*Pedicia*). Type-locality: Puksu Pyaksan, Kankyo Nanda (North Korea).—Distr.: Asia: North Korea.

**acuspica** (ALEXANDER, 1974): JI N.Y. ent. Soc., 82: 284 (*Pedicia*). Type-locality: Mughan (Iran).—Distr.: Asia: Iran.

**alticola** STROBL, 1909: Mitt. naturw. Ver. Steierm., 46: 281 (*Tricyphona*). Type-localities: Natterriegel; Bösenstein (Austria).—Distr.: Europe: A, AL, CH, D, F, I.

[**brevifurcata** ALEXANDER, 1919: Rep. Can. arct. Exped., 1913-1918, 3 (C: Diptera): 6 (*Tricyphona*). Type-locality: W Konganevik, Camden bay, Alaska (USA).—Distr.: USSR: ?FE (?Chukotka); Nearctic Region.]

**confluens** ALEXANDER, 1922: Insecutor Inscit. menstr., 10: 186 (*Tricyphona*). Type-locality: Gifu, Honshu (Japan).—Distr.: Asia: Japan (Honshu).

**confluens subconfluens** (ALEXANDER, 1958): Philipp. J. Sci., 86: 287 (*Pedicia*). Type-locality: Mt. Amakazari, Echigo, Honshu (Japan).—Distr.: Asia: Japan (Honshu).

**diaphanoides** (ALEXANDER, 1938): Philipp. J. Sci., 67: 150 (*Pedicia*). Type-locality: Ompo (North Korea).—Distr.: Asia: North Korea, Japan (Honshu).

**elburzensis** (ALEXANDER, 1974): JI N.Y. ent. Soc., 82: 283 (*Pedicia*). Type-locality: Mt. Elburz, Quattekas (Iran).—Distr.: Asia: Iran.

**immaculata** (MEIGEN, 1804): Klass. Beschr., 1: 58 (*Limonia*). Type-locality: not given (?near Stolberg [D]).—Distr.: Europe: A, B, BG, CH, CS, D, DDR, DK



(incl. Faeroes), E, F (incl. Corsica), GB, H, I, IRE, N, NL, PL, R, S, SF, YU; USSR: NET (incl. Novaya Zemlya), CET, SET, TC, KZ (Zailiyskiy Alatau), SMA (Ki), WS (Altai); Asia: Lebanon.

- insulana** ALEXANDER, 1913: Can. Ent., **45**: 319 (*Tricyphona*). Type-locality: Tokyo, Honshu (Japan).—Distr.: USSR: FE (Kamchatka, Primorskiy kray, Kuril Is); Asia: Japan (Honshu, Shikoku, Kyushu).
- kirishimensis** ALEXANDER, 1928: Philipp. J. Sci., **35**: 474 (*Tricyphona*). Type-locality: Mt. Kirishima, Kyushu (Japan).—Distr.: Asia: Japan (Honshu, Shikoku, Kyushu).
- livida** MADARASSY, 1881: Természetr. Füzet., **5**: 38 (*Tricyphona*). Type-locality: near Franzdorf, at the foot of Mt. Semenik, Komitat Krassó (Roumania).—Distr.: Europe: A, BG, CH, CS, D, DDR, F, I, PL, R, SF; USSR: NET (southwest), CET (Li), SET (Carpathians), TC (Ge).
- contraria* BERGROTH, 1888: Verh. zool.-bot. Ges. Wien, **38**: 650 (*Tricyphona*). Type-localities: Nassfeld, Hohe Tauern; Salzburg (Austria).
- alpigena* (STROBL, 1909): Mitt. naturw. Ver. Steierm., **46**: 282 (*Dicranota*). Type-locality: Natterriegel (Austria).
- longiloba** (ALEXANDER, 1938): Philipp. J. Sci., **67**: 149 (*Pedicia*). Type-locality: Ompo (North Korea).—Distr.: Asia: North Korea.
- omeiana** (ALEXANDER, 1938): Philipp. J. Sci., **66**: 471 (*Pedicia*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- optabilis** ALEXANDER, 1924: Ann. ent. Soc. Am., **17**: 70 (*Tricyphona*). Type-locality: Otaki, Chichibu, Saitama pref., Honshu (Japan).—Distr.: USSR: FE (Kuril Is); Asia: Japan (Hokkaido, Honshu, Shikoku, Kyushu).
- [**orophila** (ALEXANDER, 1928): Philipp. J. Sci., **36**: 463 (*Pedicia*). Type-locality: Noko (Taiwan).—Distr.: Asia: Taiwan.]
- orophila trichophora** (ALEXANDER, 1971): Trans. Shikoku ent. Soc., **11**: 12 (*Pedicia*). Type-locality: Mt. Inao, Kyushu (Japan).—Distr.: Asia: Japan (Kyushu).
- pectinata** ALEXANDER, 1931: Philipp. J. Sci., **44**: 354 (*Tricyphona*). Type-locality: Mt. Norikura, Japanese Alps, Shinano, Honshu (Japan).—Distr.: Asia: Japan (Honshu, Shikoku).
- pyrenaica** (VERRALL, 1888): Entomologist's mon. Mag., **25**: 97 (*Amalopsis*). Type-locality: Pyrenees.—Distr.: Europe: E/F (Pyrenees), R. [Generic position not certain.]
- schummeli** EDWARDS, 1921: Trans. R. ent. Soc. Lond., **1921**: 227 (*Tricyphona*). Type-locality: Brodick, Arran (Great Britain).—Distr.: Europe: A, AL, B, BG, CS, D, DK, F, GB, I, IRE, N, NL, PL, R, S, SF; USSR: NET (west), CET (west), SET (west).
- unicolor** (SCHUMMEL, 1829): Beitr. Ent., Breslau, **1**: 187 (*Limnobia*). Type-localities: near Wrocław; near Pöpelwitz (Poland).—Distr.: Europe: A, B, CS, D, DDR, DK, F, GB, I, NL, PL, R, S, SF; USSR: NET (west, incl. Novaya Zemlya), CET (west), SET (west).

- ussurica** (ALEXANDER, 1934): Philipp. J. Sci., **52**: 334 (*Pedicia*). Type-locality: near Shkotovo, Maiche region, Primorskiy kray (USSR).—Distr.: USSR: FE (Primorskiy kray).
- yakushimana** ALEXANDER, 1930: Philipp. J. Sci., **42**: 67 (*Tricyphona*). Type-locality: Kosugidani, Yakushima, Kyushu (Japan).—Distr.: Asia: Japan (Shikoku, Kyushu).
- zwicki** MENDEL, 1973: Mitt. schweiz. ent. Ges., **46**: 291 (*Tricyphona*). Type-locality: Akijama pass (Turkey).—Distr.: USSR: TC; Asia: Turkey (Civcan-Dagi).

#### Subgenus TRIFURCARIA LACKSCHEWITZ, 1964

- LACKSCHEWITZ, 1964: Ent. Obozr., **43**: 732 (as genus).  
Type-species: *Trifurcaria arctica* LACKSCHEWITZ, 1964: l.c.: 732 (mon.).
- arctica** (LACKSCHEWITZ, 1964): Ent. Obozr., **43**: 732 (*Trifurcaria*). Type-locality: Kamenniy Is, mouth of Kolyma river, Yakutsk ASSR (USSR).—Distr.: USSR: ES (mouth of Kolyma river), FE (Chukotka).

### Subfamily Hexatomiinae

#### Tribe Phyllolabini

#### **Grahamomyia** ALEXANDER, 1935

- ALEXANDER, 1935: Philipp. J. Sci., **56**: 554.  
Type-species: *Grahamomyia bicellula* ALEXANDER, 1935: l.c.: 556 (orig. des.).
- bicellula** ALEXANDER, 1935: Philipp. J. Sci., **56**: 556 (*Grahamomyia*). Type-locality: Wei Chow, 65 mi NW Chengdu, Sichuan (China).—Distr.: Asia: China (Sichuan).

#### **Phyllolabis** OSTEN SACKEN, 1877

- OSTEN SACKEN, 1877: Bull. U.S. geol. geogr. Survey Terr., **3**: 202.  
Type-species: *Phyllolabis clavigera* OSTEN SACKEN, 1877: l.c.: 203 (des. COQUILLET, 1910: Proc. U.S. natn. Mus., **37**: 590); not Palaearctic.
- alexanderi** LACKSCHEWITZ, 1940: Annln naturh. Mus. Wien, **50**: 95 (*Phyllolabis*). Type-locality: Pashtrik (Albania).—Distr.: Europe: AL, BG, GR.

- ghilarovi** SAVCHENKO, 1983: Vestn. zool., 1983(1): 15 (*Phyllolabis*). Type-locality: Lichk, Megrinskiy district (USSR: Arm).—Distr.: USSR: TC (Arm).
- gohli** MENDEL, 1976: NachrBl. bayer. Ent., 25: 33 (*Phyllolabis*). Type-locality: Stilhachtal, Allgäuer Alpen [D].—Distr.: Europe: D.
- hemmingseni** NIELSEN, 1959: Ent. Meddr, 29: 65 (*Phyllolabis*). Type-locality: Acequia de Marrero in Barranco de la Higuera, Gran Canaria (Canary Is).—Distr.: Canary Is.
- laudata** ALEXANDER, 1936: Philipp. J. Sci., 60: 342 (*Phyllolabis*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- lindneri** MANNHEIMS, 1959: Bonn. zool. Beitr., 10: 151 (*Phyllolabis*). Type-locality: Taygetos, on pass from Sparti to Kalamae (Greece).—Distr.: Europe: GR.
- macroura** (SIEBKE, 1863): Nyt Mag. Naturvid., 12: 179 (*Limnobia*). Type-localities: Fokstua; Hjerkins, Drivdalen (Norway).—Distr.: Europe: A, CH, CS, I, N, PL, S, SF; USSR: NET (north).
- macrura* SIEBKE: incorrect subsequent spelling.
- mannheimsiana** NIELSEN, 1961: Ent. Meddr, 31: 112 (*Phyllolabis*). Type-locality: Barranco de la Lechucilla-Barranco de los Vinatigos, Gran Canaria (Canary Is).—Distr.: Canary Is.
- nielseni** MANNHEIMS, 1959: Bonn. zool. Beitr., 10: 153 (*Phyllolabis*). Type-locality: Oiti Mts (Greece).—Distr.: Europe: GR.
- pictivena** ALEXANDER, 1932: Philipp. J. Sci., 49: 394 (*Phyllolabis*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- pubipennis** LACKSCHEWITZ, 1940: Annln naturh. Mus. Wien, 50: 96 (*Phyllolabis*). Type-locality: Korab (Albania).—Distr.: Europe: A, AL, BG, CH, I, R.
- savtshenkoi** THEOWALD, 1981: Bull. zool. Mus. Univ. Amsterdam, 8: 47 (*Phyllolabis*). Type-locality: Famara, Lanzarote (Canary Is).—Distr.: Canary Is.
- theowaldi** MANNHEIMS, 1959: Bonn. zool. Beitr., 10: 155 (*Phyllolabis*). Type-locality: Oiti Mts (Greece).—Distr.: Europe: GR.
- tjederi** SAVCHENKO, 1967: Vestn. zool., 1967(4): 17 (*Phyllolabis*). Type-locality: west slopes of Goderdzi pass, Arsian Mts, Adzhar ASSR (USSR: Ge).—Distr.: USSR: TC (Ge).
- vulpecula** ALEXANDER, 1936: Philipp. J. Sci., 60: 344 (*Phyllolabis*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).

### Taiwanomyia ALEXANDER, 1923

ALEXANDER, 1923: Philipp. J. Sci., 22: 476.

Type-species: *Tasiocera fragilicornis* RIEDEL, 1917: Arch. Naturgesch., 82(A)(5): 112 (orig. des.); not Palaearctic.

*Esakiomyia* ALEXANDER, 1925: Ann. Mag. nat. Hist., (9) 15: 73. Type-species: *Esakiomyia fillicornis* ALEXANDER, 1925; l.c.: 74 (orig. des.).

- babaella** ALEXANDER, 1957: Philipp. J. Sci., **85**: 358 (*Taiwanomyia*). Type-locality: Kurokawa, Echigo, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- filicornis** (ALEXANDER, 1925): Ann. Mag. nat. Hist., (9) **15**: 74 (*Esakiomyia*). Type-locality: Mt. Hakone, Sagami-no-Kuni, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- seticornis** (ALEXANDER, 1926): Philipp. J. Sci., **31**: 375 (*Troglophila*). Type-locality: hills S of Ning-po, Zhejiang (China).—Distr.: Asia: China (Zhejiang).
- szechwanensis** (ALEXANDER, 1933): Philipp. J. Sci., **50**: 149 (*Troglophila*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).

### Tribe Paradelphomyiini

#### Paradelphomyia ALEXANDER, 1936

ALEXANDER, 1936: Philipp. J. Sci., **60**: 184 (as subgenus of *Adelphomyia* BERGROTH, 1891).

- Type-species: *Adelphomyia crossospila* ALEXANDER, 1936: l.c.: 184 (orig. des.).
- Haploneura* LOEW, 1850: Programm k. Realschule zu Meseritz, **1850**: 36 (as genus) (fossil); see ALEXANDER, 1931: Bernst. Forsch., **2**: 92, 111 and 112.
- Adelphomyia*: authors, not BERGROTH, 1891, misinterpretations.
- Oxyrhiza* DE MEIJERE, 1946: see below as subgenus.

#### Subgenus OXYRHIZA DE MEIJERE, 1946

DE MEIJERE, 1946: Ent. Ber., Amst., **12**: 68 (as genus, as new name for *Oxydiscus* DE MEIJERE, 1913, a junior homonym of *Oxydiscus* KOKEN, 1889).

- Type-species: *Oxydiscus nebulosus* DE MEIJERE, 1913: Tijdschr. Ent., **56**: 350 (aut.); not Palaearctic.
- Oxydiscus* DE MEIJERE, 1913: Tijdschr. Ent., **56**: 350 (as genus). Type-species: *Oxydiscus nebulosus* DE MEIJERE, 1913: l.c.: 350 (mon.); not Palaearctic.
- Gonomyiella* KUNTZE, 1919: Dt. ent. Z., **1919**: 141 (as genus). Type-species: *Gonomyiella furcata* KUNTZE, 1919: l.c.: 142 (mon.) [= *fuscula* (LOEW, 1873)]. [A junior homonym of *Gonomyiella* MEUNIER, 1899.]

- brevifurca** SAVCHENKO, 1976: Zool. Zh., **55**: 389 (*Paradelphomyia*). Type-locality: Sennaya Polyana, Great Caucasus nature reserve, Krasnodarskiy kray (USSR).—Distr.: USSR: SET (southeast), TC (Ge).
- cerina** (ALEXANDER, 1936): Philipp. J. Sci., **60**: 341 (*Adelphomyia*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).

- chosenica** ALEXANDER, 1950: Ann. ent. Soc. Am., **43**: 427 (*Paradelphomyia*). Type-locality: Kankyo Nando, Puksu Pyaksan (North Korea).—Distr.: USSR: ?FE (?Sakhalin, ?Kuril Is); Asia: North Korea.
- czizekiana** STARÝ, 1971: Cas. morav. Mus. Brno, **55**: 135 (*Paradelphomyia*). Type-locality: Brno-Cernovice, Moravia (Czechoslovakia).—Distr.: Europe: BG, CH, CS, D, DDR; USSR: SET (Uk); Asia: Iran.
- dalei** (EDWARDS, 1939): Entomologist's mon. Mag., **75**: 246 (*Oxydiscus*). Type-locality: Glanvilles Wootton, Dorset (Great Britain).—Distr.: Europe: GB; USSR: TC (Ge).
- dissita** ALEXANDER, 1960: Philipp. J. Sci. **88**: 170 (*Paradelphomyia*). Type-locality: Kaghan (Pakistan).—Distr.: USSR: SMA (Tj); Asia: Pakistan.
- ecalcarata** (EDWARDS, 1938): Trans. Soc. Br. Ent., **5**: 95 (*Oxydiscus*). Type-locality: Llangollen, Denbigh, Wales (Great Britain).—Distr.: Europe: CH, CS, D, DDR, GB, PL; USSR: SET (Carpathians).
- fuscula** (LOEW, 1873): Berl. ent. Z., **17**: 35 (*Cladura*). Type-locality: not given (1873: Besch. europ. Dipt., **3**: 64: Wiener Schneeberg (Austria), Kreuth, Bayern [D], Herkulesbad [= Baile Herculane] (Roumania)).—Distr.: Europe: A, BG, CH, CS, D, DDR, DK, GB, IRE, PL, R, S, SF; USSR: NET (south-west), CET (Li), SET (Uk); Asia: Iran.
- furcata* (KUNTZE, 1919): Dt. ent. Z., **1919**: 142 (*Gonomyiella*). Type-locality: Ry (Denmark).
- interposita** SAVCHENKO, 1976: Zool. Zh., **55**: 390 (*Paradelphomyia*). Type-locality: Sennaya Polyana, Great Caucasus nature reserve, Krasnodarskiy kray (USSR).—Distr.: USSR: SET (southeast), TC (Ge).
- laterostriata** SAVCHENKO, 1976: Zool. Zh., **55**: 387 (*Paradelphomyia*). Type-locality: Eidelmanova Polyana, Great Caucasus nature reserve, Krasnodarskiy kray (USSR).—Distr.: USSR: SET (southeast), TC (Ge, Az).
- latissima** (ALEXANDER, 1932): Philipp. J. Sci., **49**: 392 (*Adelphomyia*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: USSR: ?FE (?Primorskiy kray); Asia: China (Sichuan).
- latior* (ALEXANDER, 1938): Philipp. J. Sci., **66**: 472 (*Oxydiscus*). Type-locality: Mt. Omei, Sichuan (China). [Synonymy not certain.]
- macracantha** ALEXANDER, 1957: Philipp. J. Sci., **85**: 357 (*Paradelphomyia*). Type-locality: Kami-Ishikawa, Echigo, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- majuscula** (ALEXANDER, 1936): Philipp. J. Sci., **59**: 244 (*Adelphomyia*). Type-locality: Beh-Luh-Din, 30 mi N Chengdu, Sichuan (China).—Distr.: Asia: China (Sichuan).
- mediterranea** (LACKSCHEWITZ, 1940): Annln naturh. Mus. Wien, **50**: 70 (*Adelphomyia*). Type-locality: Kerkira (Greece).—Distr.: Europe: GR (Kerkira).
- nielseni** (KUNTZE, 1919): Dt. ent. Z., **1919**: 142 (*Gonomyia*). Type-locality: Silkeborg (Denmark).—Distr.: Europe: D, DK, F, GB, NL.

- nigrina** (LACKSCHEWITZ, 1940): *Annln naturh. Mus. Wien*, **50**: 69 (*Adelphomyia*). Type-locality: not given (Yukki, Leningrad obl., USSR, by lectotype des. of SAVCHENKO and KANDYBINA, 1987).—Distr.: Europe: CS, S; USSR: NET (southwest), CET (La).
- septentrionalis* (TJEDER, 1952): *Opusc. ent.*, **17**: 125 (*Oxyrhiza*). Type-locality: Jutänget, Karlsbyn, Sundborn, Dalecarlia (Sweden).
- nimbicolor** ALEXANDER, 1950: *Ann. ent. Soc. Am.*, **43**: 427 (*Paradelphomyia*). Type-locality: Funakosi, Iwate pref., Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- nipponensis** (ALEXANDER, 1925): *Ann. Mag. nat. Hist.*, (9) **15**: 77 (*Adelphomyia*). Type-locality: Yumoto, Simotsuke-no-kuni, Honshu (Japan).—Distr.: USSR: FE (Sakhalin, Kuril Is); Asia: Japan (Honshu), China (Sichuan).
- pygmaea** SAVCHENKO, 1973: *Dopov. Akad. Nauk ukr. RSR* (B), **1973**: 280 (*Paradelphomyia*). Type-locality: Rikotskiy pass, Suram Mts (USSR: Ge).—Distr.: USSR: SET (southeast), TC (Ge).
- reducta** (ALEXANDER, 1938): *Philipp. J. Sci.*, **66**: 322 (*Oxydiscus*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- senilis** (HALIDAY, 1833): *Ent. Mag.*, **1**: 153 (*Limnobia*). Type-locality: not given (Holywood in Downshire, Ireland).—Distr.: Europe: A, B, BG, CH, CS, D, DDR, DK, E, F, GB, I, IRE, NL, PL, R, S, YU; USSR: CET (southwest), SET, TC, SMA (Ki).
- nitidicollis* (MEIGEN, 1818): *Syst. Besch.*, **1**: 126 (*Limnobia*). Type-locality: not given (?near Stolberg [D]). [A questionable senior synonym.]
- pilipennis* (STROBL, 1880): *Progr. k.k. Ober-Gymn. Benedictiner Seitenstetten*, **1880**: 64 (*Gonomyia*). Type-locality: Seitenstetten (Austria).

#### Subgenus PARADELPHOMYIA ALEXANDER, 1936

- crossospila** (ALEXANDER, 1936): *Philipp. J. Sci.*, **60**: 184 (*Adelphomyia*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).

### Tribe Epiphragmini

#### **Austrollmnophila** ALEXANDER, 1920

ALEXANDER, 1920: *Arkiv Zool.*, **13**(6): 4 (as subgenus of *Limnophila* MACQUART, 1834).

Type-species: *Limnophila eutaeniata* BIGOT, 1888: *Mission scient. Cap Horn*, **6**(2): 9 (orig. des.); not Palaearctic.

*Polymoria*: ALEXANDER, 1924: *Ann. Mag. nat. Hist.*, (9) **13**: 367, not PHILIPPI, 1865, misinterpretation.

*Archilimnophila* ALEXANDER, 1934: see below as subgenus.

## Subgenus ARCHILIMNOPHILA ALEXANDER, 1934

ALEXANDER in CURRAN, 1934: Fam. Gen. N. Am. Dipt.: 47 (as genus).

Type-species: *Limnophila unica* OSTEN SACKEN, 1869: Smithson. misc. Collns, 8(219): 205 (orig. des.).

**arborea** SAVCHENKO, 1978: Dokl. Akad. Nauk ukr. RSR (B), 1978: 380 (*Austrolimnophila*). Type-locality: Khabar-Daman, Buryat ASSR (USSR).—Distr.: USSR: ES (Buryat ASSR).

**harperi** (ALEXANDER, 1926): Insector Inscit. menstr., 14: 23 (*Limnophila*). Type-locality: Athabasca Delta, Alberta (Canada).—Distr.: Europe: S; USSR: WS (Tyumen obl.); Nearctic Region.

*consobrina* TJEDER, 1955: Opusc. ent., 20: 225 (*Austrolimnophila*). Type-locality: Abisko (Sweden).

**subpolaris** SAVCHENKO, 1969: Dopov. Akad. Nauk ukr. RSR (B), 1969: 1117 (*Austrolimnophila*, figured as *subarctica*). Type-locality: Dudinka, Krasnoyarskiy kray (USSR).—Distr.: USSR: NET (northeast), ES (Krasnoyarskiy kray).

**subunicoides** (ALEXANDER, 1950): Ann. ent. Soc. Am., 43: 428 (*Archilimnophila*). Type-locality: Puksu Pyaksan (North Korea).—Distr.: USSR: NET (northeast), ES (south), FE (Magadan obl.); Asia: North Korea.

**unica** (OSTEN SACKEN, 1869): Smithson. misc. Collns, 8(219): 205 (*Limnophila*). Type-locality: White Mts, New Hampshire (USA).—Distr.: Europe: A, BG, CH, CS, D, DDR, DK, F, I, N, PL, R, S, SF, YU; USSR: NET, CET, SET (Carpathians), WS (Altai), ES (Buryat ASSR), FE (Primorskiy kray, Sakhalin, Kuril Is); Asia: Japan (Hokkaido, Honshu); Nearctic Region.

*humilis* (MEIGEN, 1830): Syst. Besch., 6: 275 (*Limnobia*). Type-locality: not given ("von Hrn. Wiedemann"). [A questionable senior synonym.]

*prolixicornis* (LUNDSTRÖM, 1907): Acta Soc. Fauna Flora fenn., 29(8): 26 (*Limnophila*). Type-localities: Kuustö; Forssa; Lappo; Uleåborg (Finland) (the first by lectotype des. of TJEDER, 1969).

*unicoides* (ALEXANDER, 1924): Philipp. J. Sci., 24: 574 (*Limnophila*). Type-locality: Shimizu [= Chistovidnoye], Kholmsk district, Sakhalin (USSR).

## Subgenus AUSTROLIMNOPHILA ALEXANDER, 1920

**analis** (SANTOS ABREU, 1923): Mems R. Acad. Cienc. Artes Barcelona, 18: 150 (*Limnophila*). Type-locality: Barranco del Río, La Palma (Canary Is).—Distr.: Canary Is. [See *ochracea*.]

**asiatica** (ALEXANDER, 1925): Proc. U.S. natn. Mus., 68(4): 7 (*Pseudolimnophila*, as subsp. of *ochracea* MEIGEN). Type-locality: Okeanskaya, near Vladivostok, Primorskiy kray (USSR).—Distr.: USSR: WS (Altai), ES (Buryat ASSR), FE (Amur obl., Primorskiy kray, Sakhalin, Kuril Is).

- ligulata* SAVCHENKO in SAVCHENKO and KRIVOLUTSKAYA, 1976: Limoniidae of the south Kuril Islands and south Sakhalin: 55 (*Austrolimnophila*). Type-locality: near Tretiakovo, Kunashir, Kuril Is (USSR).
- brevicellula** STARÝ, 1977: Entomologica, 13: 66 (*Austrolimnophila*). Type-locality: Pyrgos, Samos (Greece).—Distr.: Europe: GR (Samos).
- erecta** (ALEXANDER, 1934): Philipp. J. Sci., 53: 281 (*Pseudolimnophila*). Type-locality: lake Chuzenji (Tzujenji), Shimotsuke, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- horii** (ALEXANDER, 1925): Ann. Mag. nat. Hist., (9) 15: 391 (*Pseudolimnophila*). Type-locality: Gokanoshō, Higo-no-kuni, Kyushu (Japan).—Distr.: Asia: Japan (Shikoku, Kyushu).
- kirishimensis** (ALEXANDER, 1925): Ann. ent. Soc. Am., 17: 438 (*Limnophila*). Type-locality: Mt. Kirishima, on boundary between Osumi and Hiuga, Kyushu (Japan).—Distr.: Asia: Japan (Shikoku, Kyushu).
- latistyla** STARÝ, 1977: Entomologica, 13: 68 (*Austrolimnophila*). Type-locality: Molitg les Bs., Pyrenees (France).—Distr.: Europe: E, F (incl. Corsica), GR (Crete), I, YU.
- mobilis** (ALEXANDER, 1934): Philipp. J. Sci., 53: 280 (*Pseudolimnophila*). Type-locality: Sounkyo, Hokkaido (Japan).—Distr.: Asia: Japan (Hokkaido).
- ochracea** (MEIGEN, 1804): Klass. Beschr., 1: 55 (*Limonia*). Type-locality: not given (?near Stolberg [D]).—Distr.: Europe: A, B, BG, CH, CS, D, DDR, DK, E, F (incl. Corsica), GB, H, I, IRE, L, N, NL, PL, R, S, YU; USSR: NET (excl. north), CET, SET, TC; Asia: Iran. [Records from Madeira and Canary Is probably refer to *analis*.]
- sessilis* (MACQUART, 1826): Mém. Soc. Sci. Agric. Lille, 1823-1824: 150 (*Limnobia*). Type-locality: Lille (France).
- aberrans* (WALKER, 1848): List Dipt. Brit. Mus., 1: 51 (*Limnobia*). Type-locality: England (Great Britain).
- tempestiva* (WALKER, 1848): List Dipt. Brit. Mus., 1: 53 (*Limnobia*). Type-locality: England (Great Britain).
- pallida* (BELING, 1873): Verh. zool.-bot. Ges. Wien, 23: 556 (*Limnophila*). Type-locality: not given [D].
- yumotana** (ALEXANDER, 1934): Philipp. J. Sci., 53: 281 (*Pseudolimnophila*). Type-locality: Yumoto, Shimotsuke, Honshu (Japan).—Distr.: Asia: Japan (Honshu).

### **Dactylolabis** OSTEN SACKEN, 1860

OSTEN SACKEN, 1860: Proc. Acad. nat. Sci. Philad., 1859: 240 (as subgenus of *Limnophila* MACQUART, 1834).

Type-species: *Limnophila montana* OSTEN SACKEN, 1860: l.c.: 240 (mon.); not Palaearctic.



- Rhinoptila* NOWICKI, 1867: Verh. zool.-bot. Ges. Wien, **17**: 337. Type-species:  
*Rhinoptila wodzickii* NOWICKI, 1867: l.c.: 339 (mon.).  
*Coenolabis* SAVCHENKO, 1969: see below as subgenus.  
*Bothrophorus* SAVCHENKO, 1984: see below as subgenus.

#### Subgenus BOTHROPHORUS SAVCHENKO, 1984

SAVCHENKO in SAVCHENKO and PLYUSHCH, 1984: Ent. Obozr., **63**: 169 (as subgenus of *Dactylolabis* OSTEN SACKEN, 1860).

Type-species: *Austrolimnophila monstrosa* SAVCHENKO, 1971: Dokl. Akad. Nauk Tadzhik SSR, **4**: 58 (orig. des.).

**monstrosa** (SAVCHENKO, 1971): Dokl. Akad. Nauk Tadzhik SSR, **4**: 58 (*Austrolimnophila*). Type-locality: Ruydasht, 40 km N Dushanbe, Gissar Mts (USSR: Tj).—Distr.: USSR: SMA (Tj).

#### Subgenus COENOLABIS SAVCHENKO, 1969

SAVCHENKO, 1969: Vestn. zool., **1969**(6): 36 (as subgenus of *Dactylolabis* OSTEN SACKEN, 1860).

Type-species: *Dactylolabis aberrans* SAVCHENKO, 1963: Dopov. Akad. Nauk ukr. RSR (B), **1963**: 129 (orig. des.).

**aberrans** SAVCHENKO, 1963: Dopov. Akad. Nauk ukr. RSR (B), **1963**: 129 (*Dactylolabis*). Type-locality: Crimea State reserve (USSR: Uk).—Distr.: USSR: SET (Crimea, southeast).

**aberrans arsonianensis** SAVCHENKO, 1969: Vestn. zool., **1969**(6): 39 (*Dactylolabis*). Type-locality: Goderdzi pass, Arsian Mts, Adzhar ASSR (USSR: Ge).—Distr.: USSR: TC (southwest).

**aberrans imeretica** SAVCHENKO, 1969: Vestn. zool., **1969**(6): 39 (*Dactylolabis*). Type-locality: near Bakhmaro, Adzharo-Imeretin Mts (USSR: Ge).—Distr.: USSR: TC (southwest).

**posthabita** (BERGROTH, 1888): Verh. zool.-bot. Ges. Wien, **38**: 648 (*Limnophila*). Type-locality: Laibach [= Ljubljana] (Yugoslavia).—Distr.: Europe: R, YU.

#### Subgenus DACTYLOLABIS OSTEN SACKEN, 1860

**anomala** (KUNTZE, 1913): Dt. ent. Z., **1913**: 545 (*Dicranophragma*). Type-locality: not given (Corsica, France).—Distr.: Europe: F (Corsica).

- carbonaria** SAVCHENKO, 1972: *Insects of Mongolia*, 1: 726 (*Dactylolabis*). Type-locality: Yalmatyn-Ama gorge, 20 km NW Turgen Uul peak, Uvs aimak (Mongolia).—Distr.: USSR: WS (Altai, Tuva); Asia: Mongolia.
- cingulata** SAVCHENKO, 1978: *Zool. Zh.*, 57: 1180 (*Dactylolabis*). Type-locality: north slopes of Zekar pass, Adzharo-Imeretin Mts (USSR: Ge).—Distr.: USSR: SET (southeast), TC (Ge).
- confinis** LACKSCHEWITZ, 1940: *Annln naturh. Mus. Wien*, 50: 81 (*Dactylolabis*). Type-locality: Pashtrik (Albania).—Distr.: Europe: AL, YU.
- corsicana** EDWARDS, 1928: *Encycl. ent. (B II) Dipt.*, 4: 184 (*Dactylolabis*). Type-localities: Restonica valley; Aitone forest; Borgo (France: Corsica).—Distr.: Europe: F (Corsica).
- degradans** SAVCHENKO, 1978: *Zool. Zh.*, 57: 1185 (*Dactylolabis*). Type-locality: basin of Chon-Kyzyl-Su, Terskey Alatau (USSR: Ki).—Distr.: USSR: SMA (Ki).
- denticulata** (BERGROTH, 1891): *Mitt. naturf. Ges. Bern*, 1890: 132 (*Limnophila*). Type-locality: Weissenburg (Switzerland).—Distr.: Europe: A, CH, CS, D, F, I, PL, R, YU.
- dilatata** (LOEW, 1856): *Programm k. Realschule zu Meseritz*, 1856: 24 (*Limnobia*). Type-locality: Croatia (Yugoslavia).—Distr.: Europe: A, AL, I, R, YU.
- dilatatoides** SAVCHENKO, 1978: *Zool. Zh.*, 57: 1181 (*Dactylolabis*). Type-locality: 6 km NE Topolevka, Sarkand district, Dzhungarskiy Alatau (USSR).—Distr.: USSR: KZ (east).
- diluta** ALEXANDER, 1922: *Insecutor Inscit. menstr.*, 10: 183 (*Dactylolabis*). Type-locality: Gifu, Honshu (Japan).—Distr.: Asia: Japan (Honshu, Shikoku).
- gracilistylus** ALEXANDER, 1926: *Philipp. J. Sci.*, 31: 372 (*Dactylolabis*). Type-locality: hills S of Ning-po, Zhejiang (China).—Distr.: Asia: China (Zhejiang).
- grunini** SAVCHENKO, 1978: *Zool. Zh.*, 57: 1183 (*Dactylolabis*). Type-locality: Tarbagatay Mts, Semipalatinsk obl. (USSR).—Distr.: USSR: KZ (east).
- hirtipes** SAVCHENKO, 1978: *Zool. Zh.*, 57: 1184 (*Dactylolabis*). Type-locality: Provideniye bay, Chukotka (USSR).—Distr.: USSR: FE (Chukotka, ?Amur obl.); Asia: ?Mongolia.
- jonica** LACKSCHEWITZ, 1940: *Annln naturh. Mus. Wien*, 50: 80 (*Dactylolabis*). Type-locality: Englouvi, Levkás (Greece).—Distr.: Europe: GR (Levkás).
- laticellula** SAVCHENKO, 1978: *Zool. Zh.*, 57: 1182 (*Dactylolabis*). Type-locality: Turchak on Biya river, Altai (USSR).—Distr.: USSR: WS (Altai).
- longicauda** ALEXANDER, 1922: *Insecutor Inscit. menstr.*, 10: 184 (*Dactylolabis*). Type-locality: Mt. Minomo, Honshu (Japan).—Distr.: USSR: ?FE (?Sakhalin); Asia: Japan (Honshu, Shikoku, Kyushu).
- flavidipennis* ALEXANDER, 1922: *Insecutor Inscit. menstr.*, 10: 184 (*Dactylolabis*). Type-locality: Gifu, Honshu (Japan). [Synonymy not certain.]

- longicauda megastylata** ALEXANDER, 1930: Philipp. J. Sci., **42**: 521 (*Dactylo-labis*). Type-locality: Kosugidani, Yakushima, Kyushu (Japan).—Distr.: Asia: Japan (Kyushu).
- longipennis** STROBL, 1901: Jber. naturh. Landesmus. Kärnten, **26**: 188 (*Dactylo-labis*, as form of *sexmaculata* MACQUART). Type-locality: Federaun [= S of Villach] (Austria).—Distr.: Europe: A. [Subgeneric position not certain.]
- mokanica** ALEXANDER, 1940: Notes Ent. chin., **8**: 22 (*Dactylo-labis*). Type-locality: Mt. Mokan, Zhejiang (China).—Distr.: Asia: China (Zhejiang).
- novaezembrae** (ALEXANDER, 1925): Ann. Mag. nat. Hist., (9) **15**: 390 (*Limno-philila*). Type-locality: Chaîne Fallières, Novaya Zemlya (USSR).—Distr.: extreme north of Eurasia from basin of Pechora river and Novaya Zemlya in the west to Magadan obl. and Wrangel Is in the east.
- nubecula** KUNTZE, 1913: Dt. ent. Z., **1913**: 546 (*Dactylo-labis*). Type-locality: not given (Corsica, France).—Distr.: Europe: F (Corsica).
- opaca** SAVCHENKO, 1978: Vestn. zool., **1978**(5): 42 (*Dactylo-labis*). Type-locality: Talgar gorge, Zailiyskiy Alatau (USSR).—Distr.: USSR: KZ (Zailiyskiy Alatau), SMA (Ki).
- pechlaneri** MENDL, 1976: Ber. naturw.-med. Ver. Innsbruck, **63**: 279 (*Dactylo-labis*). Type-locality: Kleiner Solstein, Karwendel Gebirge, Tirol (Austria).—Distr.: Europe: A.
- retrograda** SAVCHENKO, 1978: Zool. Zh., **57**: 1175 (*Dactylo-labis*). Type-locality: southern slopes of Zekar pass, Adzharo-Imeretin Mts (USSR: Ge).—Distr.: USSR: TC (Ge).
- rhodia** LOEW, 1869: Besch. europ. Dipt., **1**: 7 (*Dactylo-labis*). Type-locality: Rodhos (Greece).—Distr.: Europe: GR (Rodhos).
- satanas** SAVCHENKO, 1971: Ent. Obozr., **50**: 163 (*Dactylo-labis*). Type-locality: Haanhohij-Uul, Uvz aimak (Mongolia).—Distr.: Asia: Mongolia.
- sexmaculata** (MACQUART, 1826): Mém. Soc. Sci. Agric. Lille, **1823-1824**: 147 (*Limnobia*). Type-locality: Lille (France).—Distr.: Europe: A, AL, B, BG, CH, CS, D, F, GB, I, PL, R, YU; USSR: SET (Carpathians).
- frauenfeldi* EGGER, 1863: Verh. zool.-bot. Ges. Wien, **13**: 1107 (*Dactylo-labis*). Type-locality: Austria.
- brevinervis* STROBL, 1901: Jber. naturh. Landesmus. Kärnten, **26**: 189 (*Dactylo-labis*, as var. of *sexmaculata*). Type-locality: Admont (Austria).
- diluta* LACKSCHEWITZ, 1940: Annln naturh. Mus. Wien, **50**: 79 (*Dactylo-labis*, as var. of *sexmaculata*). Type-localities: Frankenfels (Austria); Tschaun (Italy); Trebevic (Yugoslavia); Gjalica Ljums (Albania).
- dilutior* ALEXANDER, 1953: Rec. Indian Mus., **50**: 327 (*Dactylo-labis*, as subsp. of *sexmaculata*, as new name for *Dactylo-labis diluta* LACKSCHEWITZ, 1940, a junior primary homonym of *Dactylo-labis diluta* ALEXANDER, 1922).
- subdilata** STARÝ, 1969: Cas. morav. Mus. Brne, **54**: 123 (*Dactylo-labis*). Type-locality: Jeseníky Mts, Velky Kotel, Moravia (Czechoslovakia).—Distr.: Europe: CS.

- symplectoidea** EGGER, 1863: Verh. zool.-bot. Ges. Wien, **13**: 1107 (*Dactylolabis*).  
Type-locality: Küstenland, Oesterreich [= NE Italy].—Distr.: Europe: AL, I, ?NL, YU; North Africa: Morocco.
- transversa** (MEIGEN, 1804): Klass. Beschr., **1**: 57 (*Limonia*). Type-locality: not given (?near Stolberg [D]).—Distr.: Europe: A, AL, B, BG, CH, CS, D, E, F, GB, H, I, PL, R, YU; USSR: SET (Carpathians).
- tergestina** EGGER, 1863: Verh. zool.-bot. Ges. Wien, **13**: 1107 (*Dactylolabis*).  
Type-locality: Oesterreich, Küstenland [= NE Italy].
- gracilipes** LOEW, 1869: Beschr. europ. Dipt., **1**: 8 (*Dactylolabis*). Type-localities: Taunus [D]; Karlovy Vary (Czechoslovakia).
- angustipennis** LACKSCHEWITZ, 1940: Annln naturh. Mus. Wien, **50**: 77 (*Dactylolabis*, as subsp. of *tergestina*). Type-locality: Monistrol (Spain).
- wodzickii** (NOWICKI, 1867): Verh. zool.-bot. Ges. Wien, **17**: 339 (*Rhinoptila*).  
Type-locality: Tatra (Czechoslovakia).—Distr.: Europe: CS, PL.

### **Epiphragma** OSTEN SACKEN, 1860

OSTEN SACKEN, 1860: Proc. Acad. nat. Sci. Philad., **1859**: 238 (as subgenus of *Limnophila* MACQUART, 1834).

Type-species: *Limnophila pavonina* OSTEN SACKEN, 1860: l.c.: 239 (des. COQUILLET, 1910: Proc. U.S. natn. Mus., **37**: 539) [= *fasciipenne* (SAY, 1823)]; not Palaearctic.

- bicinctiferum** ALEXANDER, 1935: Philipp. J. Sci., **56**: 553 (*Epiphragma*). Type-locality: Beh-Luh-Din, 30 mi N Chengdu, Sichuan (China).—Distr.: Asia: China (Sichuan).
- evanescens** ALEXANDER, 1940: Lingnan Sci. J., **19**: 130 (*Epiphragma*). Type-locality: Mt. Tien-mu, Zhejiang (China).—Distr.: Asia: China (Zhejiang), Japan (Honshu, Shikoku).
- ocellare** (LINNAEUS, 1761): Fauna Sveciae, Ed. 2: 433 (*Tipula*). Type-locality: Europe.—Distr.: Europe: A, B, BG, CH, CS, D, DDR, DK, F (incl. Pyrenees), GB, H, I, IRE, L, N, NL, PL, R, S, SF, YU; USSR: NET (in the north to Petrozavodsk and Olonez), CET, SET, TC, WS (south), ES (south); Nearctic Region.
- pictum** (FABRICIUS, 1798): Suppl. entom. syst.: 550 (*Tipula*). Type-locality: Halle [DDR].
- punctatum** (MEIGEN, 1818): Syst. Beschr., **1**: 122 (*Limnobia*). Type-locality: not given (?near Stolberg [D]).
- decoloratum** LACKSCHEWITZ, 1940: Annln naturh. Mus. Wien, **50**: 71 (*Epiphragma*, as var. of *ocellare*). Type-locality: Vallombrosa (Italy).

- symplectoidea** EGGER, 1863: Verh. zool.-bot. Ges. Wien, **13**: 1107 (*Dactylolabis*).  
Type-locality: Küstenland, Oesterreich [= NE Italy].—Distr.: Europe: AL, I, ?NL, YU; North Africa: Morocco.
- transversa** (MEIGEN, 1804): Klass. Beschr., **1**: 57 (*Limonia*). Type-locality: not given (?near Stolberg [D]).—Distr.: Europe: A, AL, B, BG, CH, CS, D, E, F, GB, H, I, PL, R, YU; USSR: SET (Carpathians).
- tergestina** EGGER, 1863: Verh. zool.-bot. Ges. Wien, **13**: 1107 (*Dactylolabis*).  
Type-locality: Oesterreich, Küstenland [= NE Italy].
- gracilipes** LOEW, 1869: Beschr. europ. Dipt., **1**: 8 (*Dactylolabis*). Type-localities: Taunus [D]; Karlovy Vary (Czechoslovakia).
- angustipennis** LACKSCHEWITZ, 1940: Annln naturh. Mus. Wien, **50**: 77 (*Dactylolabis*, as subsp. of *tergestina*). Type-locality: Monistrol (Spain).
- wodzickii** (NOWICKI, 1867): Verh. zool.-bot. Ges. Wien, **17**: 339 (*Rhinoptila*).  
Type-locality: Tatra (Czechoslovakia).—Distr.: Europe: CS, PL.

### **Epiphragma** OSTEN SACKEN, 1860

- OSTEN SACKEN, 1860: Proc. Acad. nat. Sci. Philad., **1859**: 238 (as subgenus of *Limnophila* MACQUART, 1834).  
Type-species: *Limnophila pavonina* OSTEN SACKEN, 1860: l.c.: 239 (des. COQUILLET, 1910: Proc. U.S. natn. Mus., **37**: 539) [= *fasciapenne* (SAY, 1823)]; not Palaearctic.
- bicinctiferum** ALEXANDER, 1935: Philipp. J. Sci., **56**: 553 (*Epiphragma*). Type-locality: Beh-Luh-Din, 30 mi N Chengdu, Sichuan (China).—Distr.: Asia: China (Sichuan).
- evanescens** ALEXANDER, 1940: Lingnan Sci. J., **19**: 130 (*Epiphragma*). Type-locality: Mt. Tien-mu, Zhejiang (China).—Distr.: Asia: China (Zhejiang), Japan (Honshu, Shikoku).
- ocellare** (LINNAEUS, 1761): Fauna Sveciae, Ed. 2: 433 (*Tipula*). Type-locality: Europe.—Distr.: Europe: A, B, BG, CH, CS, D, DDR, DK, F (incl. Pyrenees), GB, H, I, IRE, L, N, NL, PL, R, S, SF, YU; USSR: NET (in the north to Petrozavodsk and Olonez), CET, SET, TC, WS (south), ES (south); Nearctic Region.
- pictum** (FABRICIUS, 1798): Suppl. entom. syst.: 550 (*Tipula*). Type-locality: Halle [DDR].
- punctatum** (MEIGEN, 1818): Syst. Beschr., **1**: 122 (*Limnobia*). Type-locality: not given (?near Stolberg [D]).
- decoloratum** LACKSCHEWITZ, 1940: Annln naturh. Mus. Wien, **50**: 71 (*Epiphragma*, as var. of *ocellare*). Type-locality: Vallombrosa (Italy).

- longicauda megastylata** ALEXANDER, 1930: Philipp. J. Sci., **42**: 521 (*Dactylobasis*). Type-locality: Kosugidani, Yakushima, Kyushu (Japan).—Distr.: Asia: Japan (Kyushu).
- longipennis** STROBL, 1901: Jber. naturh. Landesmus. Kärnten, **26**: 188 (*Dactylobasis*, as form of *sexmaculata* MACQUART). Type-locality: Federaun [= S of Villach] (Austria).—Distr.: Europe: A. [Subgeneric position not certain.]
- mokanica** ALEXANDER, 1940: Notes Ent. chin., **8**: 22 (*Dactylobasis*). Type-locality: Mt. Mokan, Zhejiang (China).—Distr.: Asia: China (Zhejiang).
- novaezembrae** (ALEXANDER, 1925): Ann. Mag. nat. Hist., (9) **15**: 390 (*Limnophila*). Type-locality: Chaîne Fallières, Novaya Zemlya (USSR).—Distr.: extreme north of Eurasia from basin of Pechora river and Novaya Zemlya in the west to Magadan obl. and Wrangel Is in the east.
- nubecula** KUNTZE, 1913: Dt. ent. Z., **1913**: 546 (*Dactylobasis*). Type-locality: not given (Corsica, France).—Distr.: Europe: F (Corsica).
- opaca** SAVCHENKO, 1978: Vestn. zool., **1978**(5): 42 (*Dactylobasis*). Type-locality: Talgar gorge, Zailiyskiy Alatau (USSR).—Distr.: USSR: KZ (Zailiyskiy Alatau), SMA (Ki).
- pechlaneri** MENDL, 1976: Ber. naturw.-med. Ver. Innsbruck, **63**: 279 (*Dactylobasis*). Type-locality: Kleiner Solstein, Karwendel Gebirge, Tirol (Austria).—Distr.: Europe: A.
- retrograda** SAVCHENKO, 1978: Zool. Zh., **57**: 1175 (*Dactylobasis*). Type-locality: southern slopes of Zekar pass, Adzharo-Imeretin Mts (USSR: Ge).—Distr.: USSR: TC (Ge).
- rhodia** LOEW, 1869: Besch. europ. Dipt., **1**: 7 (*Dactylobasis*). Type-locality: Rodhos (Greece).—Distr.: Europe: GR (Rodhos).
- satanas** SAVCHENKO, 1971: Ent. Obozr., **50**: 163 (*Dactylobasis*). Type-locality: Haanhohij-Uul, Uvz aimak (Mongolia).—Distr.: Asia: Mongolia.
- sexmaculata** (MACQUART, 1826): Mém. Soc. Sci. Agric. Lille, **1823-1824**: 147 (*Limnobia*). Type-locality: Lille (France).—Distr.: Europe: A, AL, B, BG, CH, CS, D, F, GB, I, PL, R, YU; USSR: SET (Carpathians).
- frauenfeldi** EGGER, 1863: Verh. zool.-bot. Ges. Wien, **13**: 1107 (*Dactylobasis*). Type-locality: Austria.
- brevinervis** STROBL, 1901: Jber. naturh. Landesmus. Kärnten, **26**: 189 (*Dactylobasis*, as var. of *sexmaculata*). Type-locality: Admont (Austria).
- diluta** LACKSCHEWITZ, 1940: Annln naturh. Mus. Wien, **50**: 79 (*Dactylobasis*, as var. of *sexmaculata*). Type-localities: Frankenfels (Austria); Tschaun (Italy); Trebevic (Yugoslavia); Gjalica Ljums (Albania).
- dilutior** ALEXANDER, 1953: Rec. Indian Mus., **50**: 327 (*Dactylobasis*, as subsp. of *sexmaculata*, as new name for *Dactylobasis diluta* LACKSCHEWITZ, 1940, a junior primary homonym of *Dactylobasis diluta* ALEXANDER, 1922).
- subdilata** STARÝ, 1969: Cas. morav. Mus. Brne, **54**: 123 (*Dactylobasis*). Type-locality: Jeseníky Mts, Velky Kotel, Moravia (Czechoslovakia).—Distr.: Europe: CS.

- ocellare gracilistylus** ALEXANDER, 1933: Philipp. J. Sci., **52**: 141 (*Epiphragma*). Type-locality: Tigrovoy, Partisansk district, Primorskiy kray (USSR).—Distr.: USSR: FE (Primorskiy kray, Sakhalin, Kuril Is).
- subfascipenne** ALEXANDER, 1920: Trans. Am. ent. Soc., **46**: 10 (*Epiphragma*). Type-locality: Saitama pref., Honshu (Japan).—Distr.: USSR: FE (Khabarovskiy kray, Primorskiy kray, Sakhalin, Kuril Is); Asia: Japan (Hokkaido, Honshu, Shikoku, Kyushu).
- subinsigne** ALEXANDER, 1920: Trans. Am. ent. Soc., **46**: 11 (*Epiphragma*). Type-locality: Saitama pref., Honshu (Japan).—Distr.: USSR: FE (Sakhalin, Kuril Is); Asia: Japan (Hokkaido, Honshu, Shikoku, Kyushu).
- subobsoletum** ALEXANDER, 1936: Philipp. J. Sci., **59**: 245 (*Epiphragma*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- sultana** ALEXANDER, 1938: Philipp. J. Sci., **66**: 324 (*Epiphragma*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- trichomera** ALEXANDER, 1955: Philipp. J. Sci., **83**: 286 (*Epiphragma*). Type-locality: Mt. Saragamine, Iyo, Shikoku (Japan).—Distr.: Asia: Japan (Shikoku).

### Tribe Limnophilini

#### **Adelphomyia** BERGROTH, 1891

BERGROTH, 1891: Mitt. naturf. Ges. Bern, **1890**: 134.

Type-species: *Adelphomyia helvetica* BERGROTH, 1891: l.c.: 134 (mon.) [= *punctum* (MEIGEN, 1818)].

*Tricholimnophila* ALEXANDER, 1928: Philipp. J. Sci., **35**: 476 (as subgenus of *Limnophila* MACQUART, 1834). Type-species: *Limnophila pilifer* ALEXANDER, 1919: Ann. ent. Soc. Am., **12**: 339 (orig. des.).

**acicularis** (ALEXANDER, 1954): Philipp. J. Sci., **82**: 293 (*Limnophila*). Type-locality: Mt. Tsurugi, Awa, Minokosi to Nagoro, Shikoku (Japan).—Distr.: Asia: Japan (Shikoku).

**acicularis bidens** SAVCHENKO, 1983: Limoniidae of south Primorye: 53 (*Adelphomyia*). Type-locality: Kedrovaya Pad, Khasan district, Primorskiy kray (USSR).—Distr.: USSR: FE (Primorskiy kray).

**biacus** (ALEXANDER, 1954): Philipp. J. Sci., **82**: 295 (*Limnophila*). Type-locality: Mt. Ishizuchi, Iyo, Shikoku (Japan).—Distr.: Asia: Japan (Shikoku).

**breviramus** (ALEXANDER, 1925): Ann. Mag. nat. Hist., (9) **15**: 71 (*Limnophila*). Type-locality: Yumoto, Shimotsuke-no-kuni, Honshu (Japan).—Distr.: Asia: Japan (Honshu, Shikoku, Kyushu).

**caesiella** (ALEXANDER, 1929): Philipp. J. Sci., **40**: 538 (*Limnophila*). Type-locality: Hirao hill, near Fukuoka, Kyushu (Japan).—Distr.: Asia: Japan (Shikoku, Kyushu).

- flavella** (ALEXANDER, 1920): Trans. Am. ent. Soc., **46**: 12 (*Limnophila*). Type-locality: Tokyo, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- macrotrichiata** (ALEXANDER, 1923): Ann. ent. Soc. Am., **16**: 65 (*Limnophila*). Type-locality: Teshio, Hokkaido (Japan).—Distr.: USSR: FE (Primorskiy kray); Asia: North Korea, Japan (Hokkaido).
- pilifer** (ALEXANDER, 1919): Ann. ent. Soc. Am., **12**: 339 (*Limnophila*). Type-locality: Meguro, Tokyo, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- prionolaboides** (ALEXANDER, 1934): Philipp. J. Sci., **53**: 285 (*Limnophila*). Type-locality: Yumoto, Shimotsuke, Honshu (Japan).—Distr.: USSR: FE (Sakhalin, Kuril Is); Asia: Japan (Honshu).
- punctum** (MEIGEN, 1818): Syst. Besch., **1**: 128 (*Limnobia*). Type-locality: not given (?near Stolberg [D]).—Distr.: Europe: A, CH, CS, D, DK, NL, PL, S; USSR: NET (south), CET (Li), SET (Carpathians), FE (Kamchatka, Primorskiy kray).
- helvetica* BERGROTH, 1891: Mitt. naturf. Ges. Bern, **1890**: 134 (*Adelphomyia*). Type-locality: Weissenburg (Switzerland).
- saitamae** (ALEXANDER, 1920): Trans. Am. ent. Soc., **46**: 13 (*Limnophila*, as subsp. of *flavella* ALEXANDER). Type-locality: Saitama pref., Honshu (Japan).—Distr.: Asia: Japan (Honshu, Kyushu).
- satsumicola** (ALEXANDER, 1930): Philipp. J. Sci., **42**: 524 (*Limnophila*). Type-locality: Shiroyama hill, Kagoshima, Kyushu (Japan).—Distr.: Asia: Japan (Kyushu).
- simplicistyla** (ALEXANDER, 1940): Philipp. J. Sci., **71**: 190 (*Limnophila*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).

### **Afrollmnophila** ALEXANDER, 1956

ALEXANDER, 1956: Ruwenzori Exp. 1934-35, **1**: 284 (as subgenus of *Limnophila* MACQUART, 1834).

Type-species: *Limnophila dichroica* ALEXANDER, 1956: l.c.: 286 (orig. des.); not Palaearctic.

- abludens** (SAVCHENKO, 1971): Vestn. zool., **1971**(6): 14 (*Limnophila*). Type-locality: between Lenkoran and Bilyasar, Talysh (USSR: Az).—Distr.: USSR: TC (Az).
- aino** (ALEXANDER, 1929): Philipp. J. Sci., **40**: 340 (*Limnophila*). Type-locality: Jozankei, Hokkaido (Japan).—Distr.: USSR: FE (Sakhalin, Kuril Is); Asia: Japan (Hokkaido).
- basispina** (SAVCHENKO, 1971): Vestn. zool., **1971**(6): 13 (*Limnophila*). Type-locality: near Khotsubani, Kobuleti district, Adzharo-Imeretin Mts (USSR: Ge).—Distr.: USSR: TC (southwest).



- fenestrella** (ALEXANDER, 1940): Philipp. J. Sci., **71**: 186 (*Limnophila*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- minima** (SAVCHENKO, 1971): Vestn. zool., **1971**(6): 11 (*Limnophila*). Type-locality: near Paraga, Ordubad district, Zangezur Mts, Nakhichevan ASSR (USSR: Arm).—Distr.: Europe: GR (incl. Kerkira, Andros, Crete), R; USSR: TC (excl. Talysh).

### Conosia VAN DER WULP, 1880

VAN DER WULP, 1880: Tijdschr. Ent., **23**: 159.

Type-species: *Limnobia irrorata* WIEDEMANN, 1828: Aussereurop. zweifl. Insekt., **1**: 574 (orig. des.).

- irrorata** (WIEDEMANN, 1828): Aussereurop. zweifl. Insekt., **1**: 574 (*Limnobia*). Type-locality: Djakarta, Java (Indonesia).—Distr.: North Africa: Egypt; Asia: Israel, Afghanistan, China, North Korea, South Korea, Japan; Old World tropical and subtropical regions, incl. Africa, southeast Asia, Indonesia, Fiji and Australia.
- substituta** (WALKER, 1848): List Dipt. Brit. Mus., **1**: 39 (*Limnobia*). Type-locality: China.

### Eloeophila RONDANI, 1856

RONDANI, 1856: Dipt. Ital. Prodrusus, **1**: 182.

Type-species: *Limnobia marmorata* MEIGEN, 1818: Syst. Besch., **1**: 121 (orig. des.) [= *maculata* (MEIGEN, 1804)].

**Ephelia** SCHINER, 1863: Wien. ent. Mschr., **7**: 222. Type-species: *Limnobia marmorata* MEIGEN, 1818: Syst. Besch., **1**: 121 (orig. des.) [= *maculata* (MEIGEN, 1804)].

*Elaeophila*: authors, unjustified emendation.

- albofascia** (ALEXANDER, 1975): JI N.Y. ent. Soc., **83**: 135 (*Limnophila*). Type-locality: Durbadam (Iran).—Distr.: Asia: Iran.
- apicata** (LOEW, 1871): Besch. europ. Dipt., **2**: 9 (*Ephelia*). Type-localities: "Mittelgebirge, Harz, Riesengebirge, Galizien am Fusse der Tatra" (Germany, Poland).—Distr.: Europe: A, BG, CH, CS, D, ?DDR, E, F, GB, I, IRE, PL, R, YU; USSR: CET (Li), SET (Uk), TC (southwest), SMA (Tu).
- maculatifrons** (PIERRE, 1924): Encycl. ent. (B II) Dipt., **1**: 89 (*Ephelia*, as "*maculatifrons*", incorrect original spelling). Type-locality: Lozère (France).

- czernyi** (STROBL in CZERNY and STROBL, 1909): Verh. zool.-bot. Ges. Wien, **49**: 140 (*Ephelia*). Type-locality: Algeciras (Spain).—Distr.: Europe: E, F (Corsica).
- dietziana** (ALEXANDER, 1925): Ann. ent. Soc. Am., **17**: 437 (*Limnophila*). Type-locality: Mt. Hakone, Sagami-no-kuni, Honshu (Japan).—Distr.: USSR: FE (Kuril Is); Asia: Japan (Honshu, Shikoku, Kyushu).
- hidana** (ALEXANDER, 1970): Trans. Shikoku ent. Soc., **10**: 71 (*Limnophila*). Type-locality: Ontake, Hida, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- kintaro** (ALEXANDER, 1957): Philipp. J. Sci., **85**: 362 (*Limnophila*). Type-locality: Kurokawa, Echigo, Honshu (Japan).—Distr.: USSR: FE (Kuril Is); Asia: Japan (Honshu).
- laciniata** (EDWARDS, 1928): Encycl. ent. (B II) Dipt., **4**: 185 (*Idioptera*). Type-locality: Calvi, Corsica (France).—Distr.: Europe: F (Corsica).
- lilliputina** (ALEXANDER, 1936): Philipp. J. Sci., **59**: 246 (*Limnophila*). Type-locality: Kibune, Kyoto pref., Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- maculata** (MEIGEN, 1804): Klass. Beschr., **1**: 61 (*Limonia*). Type-locality: not given (?near Stolberg [D]).—Distr.: Europe: A, B, BG, CH, CS, D, DDR, DK, F (incl. Corsica), GB, GR (Crete), H, I, IRE, N, NL, PL, R, S, SF, YU; USSR: NET, CET, SET, TC, KZ (northwest); Asia: Turkey (Bursa).
- marmorata* (MEIGEN, 1818): Syst. Beschr., **1**: 121 (*Limnobia*). Type-locality: not given (?near Stolberg [D]).
- decora* (HALIDAY, 1833): Ent. Mag., **1**: 153 (*Limnobia*). Type-locality: not given (Holywood in Downshire, Ireland).
- guttata* (MACQUART, 1834): Hist. nat. Ins., Dipt., **1**: 97 (*Limnophila*). Type-locality: Bordeaux (France). [Synonymy not certain.]
- spoliata* (LOEW, 1871): Beschr. europ. Dipt., **2**: 14 (*Ephelia*). Type-locality: not given [D].
- aegle* (EDWARDS, 1938): Trans. Soc. Br. Ent., **5**: 81 (*Limnophila*, as var. of *maculata*). Type-locality: Ireland.
- melanoptera* (LACKSCHEWITZ, 1940): Annln naturh. Mus. Wien, **50**: 74 (*Ephelia*, as var. of *marmorata*). Type-locality: Obladis (Austria).
- miliaria** (EGGER, 1863): Verh. zool.-bot. Ges. Wien, **13**: 1106 (*Ephelia*). Type-locality: Austria.—Distr.: Europe: A, AL, BG, CS, D, DDR, F, H, I, PL, R; USSR: SET (Uk); Asia: Turkey.
- mishimai** (ALEXANDER, 1969): Trans. Shikoku ent. Soc., **10**: 39 (*Limnophila*). Type-locality: Mt. Ontake, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- mundata** (LOEW, 1871): Beschr. europ. Dipt., **2**: 12 (*Ephelia*). Type-localities: "Deutschland, Galizien am Fusse der Tatra" (Germany, Poland).—Distr.: Europe: A, B, BG, CH, CS, D, DDR, DK, GB, F, I, IRE, N, PL, R, S, YU; USSR: SET (Uk).
- persalsa** (ALEXANDER, 1940): Philipp. J. Sci., **71**: 46 (*Limnophila*). Type-locality: Seren Mts (North Korea).—Distr.: USSR: WS (Tuva), ES (Buryat ASSR), FE (Kamchatka, Primorskiy kray, Sakhalin, Kuril Is); Asia: North Korea.

- pusilla** (KUNTZE, 1920): Dt. ent. Z., 1920: 56 (*Ephelia*). Type-locality: Vizzavona, Corsica (France).—Distr.: Europe: F (Corsica).
- serenensis** (ALEXANDER, 1940): Philipp. J. Sci., 71: 47 (*Limnophila*). Type-locality: Seren Mts (North Korea).—Distr.: USSR: FE (Primorskiy kray); Asia: North Korea.
- serrulata** (ALEXANDER, 1932): Philipp. J. Sci., 49: 120 (*Limnophila*). Type-locality: Kwanhsien, Sichuan (China).—Distr.: Asia: China (Sichuan).
- similissima** (ALEXANDER, 1941): Philipp. J. Sci., 76: 54 (*Limnophila*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- subaprilina** (ALEXANDER, 1919): Ann. ent. Soc. Am., 12: 340 (*Limnophila*). Type-locality: Meguro, Tokyo, Honshu (Japan).—Distr.: Asia: Japan (Honshu, Shikoku), North Korea.
- subaprilina yezoensis** (ALEXANDER, 1925): Ann. Mag. nat. Hist., (9) 15: 72 (*Limnophila*). Type-locality: Jozankei, Ishikari-no-kuni, Hokkaido (Japan).—Distr.: USSR: FE (Primorskiy kray, Sakhalin, Kuril Is); Asia: Japan (Hokkaido), North Korea.
- submarmorata** (VERRALL, 1887): Entomologist's mon. Mag., 23: 264 (*Ephelia*). Type-localities: Tunbridge Wells; Frant; Loch Maree (Great Britain).—Distr.: Europe: A, BG, CH, CS, D, DDR, DK, F, GB, I, IRE, NL, PL, R, S, SF; USSR: SET (south), TC (southwest); Asia: Iran.
- bistriata** (EDWARDS, 1938): Trans. Soc. Br. Ent., 5: 83 (*Limnophila*, as var. of *submarmorata*). Type-locality: Edge Barton, Devon (Great Britain).
- eatoni** (EDWARDS, 1938): Trans. Soc. Br. Ent., 5: 83 (*Limnophila*, as var. of *submarmorata*). Type-locality: near Seaton, Devon (Great Britain).
- oligosticta** (EDWARDS, 1938): Trans. Soc. Br. Ent., 5: 83 (*Limnophila*, as var. of *submarmorata*). Type-localities: several localities in Devon, Hereford, Sussex, Yorkshire (Great Britain).
- pentasticta** (EDWARDS, 1938): Trans. Soc. Br. Ent., 5: 84 (*Limnophila*, as var. of *submarmorata*). Type-localities: several localities in Arran, Devon, Dorset (Great Britain).
- suffumata** (EDWARDS, 1938): Trans. Soc. Br. Ent., 5: 83 (*Limnophila*, as var. of *submarmorata*). Type-localities: several localities in Devon (Great Britain).
- suensoni** (ALEXANDER, 1926): Philipp. J. Sci., 31: 142 (*Limnophila*). Type-locality: hills S of Ning-po, Zhejiang (China).—Distr.: Asia: China (Zhejiang).
- trimaculata** (ZETTERSTEDT, [1838]): Insecta Lapp.: 833 (*Limnobia*). Type-locality: Bossekop (Norway).—Distr.: Europe: A, B, BG, CH, CS, D, DDR, DK, F, GB, I, IRE, N, NL, PL, R, S, SF; USSR: NET, CET (northwest), SET (Carpathians).
- ussuriana** (ALEXANDER, 1933): Philipp. J. Sci., 52: 142 (*Limnophila*). Type-locality: Tigrovoy, Partisansk district, Primorskiy kray (USSR).—Distr.: USSR: FE (Primorskiy kray, Sakhalin, Kuril Is); Asia: North Korea.

- ussuriana iwatensis** (ALEXANDER, 1936): Philipp. J. Sci., **60**: 187 (*Limnophila*). Type-locality: Iwate-gun, Iwate pref., Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- verralli** (BERGROTH, 1912): Entomologist's mon. Mag., **23**: 134 (*Ephelia*). Type-localities: Warwickshire; Derbyshire (Great Britain).—Distr.: Europe: BG, CH, CS, D, DK, E, F, GB, NL, PL, R, SF, YU; USSR: NET (southwest), CET (northwest); North Africa: Algeria.
- dalei* (EDWARDS, 1921): Trans. R. ent. Soc. Lond., **1921**: 221 (*Idioptera*). Type-locality: probably Dorset (Great Britain).
- verrucosa** SAVCHENKO in SAVCHENKO and KRIVOLUTSKAYA, 1976: Limoniidae of the south Kuril Islands and south Sakhalin: **60** (*Eloeophila*). Type-locality: near Alekhino, Kunashir, Kuril Is (USSR).—Distr.: USSR: FE (Kuril Is).

### Euphyllidorea ALEXANDER, 1972

ALEXANDER, 1972: Ent. News, **83**: 32 (as subgenus of *Limnophila* MACQUART, 1834).

Type-species: *Limnophila niveitarsis* OSTEN SACKEN, 1869: Smithson. misc. Collns, **8**(219): 209 (orig. des.); not Palaearctic.

- aperta** (VERRALL, 1887): Entomologist's mon. Mag., **24**: 108 (*Limnophila*). Type-locality: south coast to Sutherlandshire (Great Britain).—Distr.: Europe: A, B, BG, CS, D, DDR, DK, F, GB, IRE, NL, PL, R; USSR: SET (Uk).
- crocotula** (SÉGUY, 1941): Revue fr. Ent., **8**: 28 (*Phyllidorea*). Type-locality: Tachdirt, Toubkal (Morocco).—Distr.: North Africa: Morocco.
- dispar** (MEIGEN, 1818): Syst. Besch., **1**: 129 (*Limnobia*). Type-locality: not given ("von Hrn. Megerle" and "von Hrn. Wiedemann").—Distr.: Europe: A, B, ?CH, CS, D, DDR, DK, F, GB, H, IRE, NL, R, S, SF; USSR: NET (southwest), CET (northwest).
- lineola** (MEIGEN, 1804): Klass. Besch., **1**: 56 (*Limonia*). Type-locality: not given (?near Stolberg [D]).—Distr.: Europe: A, B, BG, CH, CS, D, DDR, DK, F, GB, H, I, IRE, NL, PL, R, S, SF, YU; USSR: NET (southwest), CET (west), SET (west); Asia: Israel; North Africa: Morocco.
- meigenii** (VERRALL, 1887): Entomologist's mon. Mag., **23**: 265 (*Limnophila*, as new name for *Limnobia nigrina* MEIGEN, 1830, a junior primary homonym of *Limnobia nigrina* WIEDEMANN, 1828).—Distr.: Europe: A, B, CH, CS, D, DDR, DK (incl. Faeroes), F, GB, I, IRE, PL, IS, N, NL, R, S, SF; USSR: CET (Li).
- nigrina* (MEIGEN, 1830): Syst. Besch., **6**: 277 (*Limnobia*). Type-locality: not given (?near Stolberg [D]).

- maxima* (AGRELL, 1945): Opusc. ent., 10: 24 (*Limnophila*). Type-locality: Hyllstofta, Skåne (Sweden).
- phaeostigma** (SCHUMMEL, 1829): Beitr. Ent., Breslau, 1: 165 (*Limnobia*). Type-locality: not given (?Silesia, Poland).—Distr.: Europe: A, B, CH, CS, D, DDR, DK, F, GB, I, N, NL, PL, R, S, SF, YU; USSR: NET (west), CET (northwest), SET (Carpathians) (?as far east as lake Baikal).
- pratorum* (MEIGEN, 1830): Syst. Besch., 6: 277 (*Limnobia*). Type-locality: not given (?near Stolberg [D]).
- arctica* (ZETTERSTEDT, [1838]): Insecta Lapp.: 834 (*Limnobia*). Type-localities: several localities in "Lapponia Norvegica".
- subadusta** (ALEXANDER, 1924): Philipp. J. Sci., 24: 576 (*Limnophila*). Type-locality: Manui [= Perevalnoye], Dolinskiy district, Sakhalin (USSR).—Distr.: USSR: FE (Sakhalin).

### **Eutonla** VAN DER WULP, 1874

VAN DER WULP, 1874: Tijdschr. Ent., 17: 147.

- Type-species: *Limonia barbipes* MEIGEN, 1804: Klass. Besch., 1: 61 (orig. des.).
- Gagamba* MATSUMURA, 1916: Thousand Ins. Japan, Add. 2: 472. Type-species: *Gagamba takei* MATSUMURA, 1916: l.c.: 471 and 472 (orig. des.) [= *satsuma* (WESTWOOD, 1876)].

- barbipes** (MEIGEN, 1804): Klass. Besch., 1: 61 (*Limonia*). Type-locality: near Aachen [D].—Distr.: Europe: A, B, CS, D, DDR, DK, F, H, NL, PL, S, SF; USSR: NET, CET, SET.
- satsuma** (WESTWOOD, 1876): Trans. R. ent. Soc. Lond., 1876: 504 (*Limnobia*). Type-locality: not given (Japan).—Distr.: Asia: Japan (Honshu, Shikoku, Kyushu).
- takei* (MATSUMURA, 1916): Thousand Ins. Japan, Add. 2: 471 and 472 (*Gagamba*). Type-localities: Saitama; Kyoto; Osaka (Japan).

### **Idioptera** MACQUART, 1834

MACQUART, 1834: Hist. nat. Ins., Dipt., 1: 94.

- Type-species: *Idioptera maculata* MACQUART, 1834: l.c.: 94 (mon.) [= *pulchella* (MEIGEN, 1830)].
- linnei** OOSTERBROEK, 1992: nom. nov. Replacement name for *Tipula fasciata* LINNÉ, 1767, a junior primary homonym of *Tipula fasciata* SCOPOLI, 1763 (*Idioptera*).—Distr.: Europe: A, B, CS, D, DDR, DK, F, GB, I (Sicily), N,

- NL, PL, S, SF; USSR: NET, CET (northwest), SET (Uk), WS, ES, FE (Amur obl.).  
*fasciata* (LINNÉ, 1767): Syst. Nat., Ed. 12, 1(2): 973 (*Tipula*). Type-locality: Europe.
- macropteryx** (TJEDER, 1955): Opusc. ent., 20: 225 (*Limnophila*). Type-locality: Åsele (Sweden).—Distr.: Europe: N, S, SF; USSR: NET (north), CET (Li, Uk), SET (Uk), WS (Altai), ES (south), FE (Magadan obl., Amur obl.).
- pulchella** (MEIGEN, 1830): Syst. Besch., 6: 275 (*Limnobia*). Type-locality: near Hamburg [D].—Distr.: Europe: A, B, BG, CS, D, DDR, DK, F, GB, N, NL, PL, R, S, SF, YU; USSR: NET, CET, SET (Uk), WS (south), ES (south), FE (Amur obl.).
- maculata* MACQUART, 1834: Hist. nat. Ins., Dipt., 1: 94 (*Idioptera*). Type-locality: Hamburg [D].

### **Limnophila** MACQUART, 1834

- MACQUART, 1834: Hist. nat. Ins., Dipt., 1: 95.  
 Type-species: *Limnobia pictipennis* MEIGEN, 1818: Syst. Besch., 1: 119 (des. WESTWOOD, 1840: Synopsis: 128).
- Limnomya* RONDANI, 1861: Dipt. Ital. Prodr., 4: 11 (as [unnecessary] new name for *Limnophila* MACQUART, 1834, not preoccupied in zoology). Type-species: *Limnobia pictipennis* MEIGEN, 1818: Syst. Besch., 1: 119 (aut.).
- Poecilostola* SCHINER, 1863: Wien. ent. Mschr., 7: 222. Type-species: *Limnobia pictipennis* MEIGEN, 1818: Syst. Besch., 1: 119 (orig. des.).
- Dicranophragma* OSTEN SACKEN, 1860: see below as subgenus.
- Dendrolimnophila* ALEXANDER, 1949: see below as subgenus.

### Subgenus DENDROLIMNOPHILA ALEXANDER, 1949

- ALEXANDER, 1949: Am. Midl. Nat., 42: 314 (as subgenus of *Limnophila* MACQUART, 1834).  
 Type-species: *Shannonomyia albomanicata* ALEXANDER, 1945: Pan-Pacif. Ent., 21: 96 (orig. des.); not Palaearctic.
- shikokuensis** ALEXANDER, 1953: Philipp. J. Sci., 82: 66 (*Limnophila*). Type-locality: Nasigawa to Kokusen, near Yanase, Tosa, Shikoku (Japan).—Distr.: Asia: Japan (Shikoku).

## Subgenus DICRANOPHRAGMA OSTEN SACKEN, 1860

OSTEN SACKEN, 1860: Proc. Acad. nat. Sci. Philad., 1859: 240 (as subgenus of *Limnophila* MACQUART, 1834).

Type-species: *Limnophila fuscovaria* OSTEN SACKEN, 1860: l.c.: 240 (mon.); not Palaearctic.

- formosa** ALEXANDER, 1920: Ann. ent. Soc. Am., 13: 258 (*Limnophila*). Type-locality: Funkiko (Taiwan).—Distr.: USSR: ?FE (?Kuril Is); Asia: Japan (Honshu); Taiwan.
- laetithorax** ALEXANDER, 1933: Philipp. J. Sci., 52: 144 (*Limnophila*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- melaleuca** ALEXANDER, 1933: Philipp. J. Sci., 52: 143 (*Limnophila*). Type-locality: Wakasugiyama, Chikuzen, Kyushu (Japan).—Distr.: Asia: Japan (Kyushu).
- melaleuca ignava** ALEXANDER, 1933: Philipp. J. Sci., 52: 144 (*Limnophila*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- microspila** ALEXANDER, 1953: Philipp. J. Sci., 82: 165 (*Limnophila*). Type-locality: Mt. Ishizuchi, Koguti, Iyo, Shikoku (Japan).—Distr.: Asia: Japan (Shikoku).
- perlata** ALEXANDER, 1955: Philipp. J. Sci., 83: 289 (*Limnophila*). Type-locality: Mt. Saragamine, Iyo, Shikoku (Japan).—Distr.: Asia: Japan (Shikoku).
- upsilon** ALEXANDER, 1925: Ann. Mag. nat. Hist., (9) 15: 72 (*Limnophila*). Type-locality: Hinoemata, Iwashiro-no-kuni, Honshu (Japan).—Distr.: Asia: Japan (Honshu).

## Subgenus LIMNOPHILA MACQUART, 1834

- arnoudi** THEOWALD, 1971: Tijdschr. Ent., 114: 234 (*Limnophila*). Type-locality: Streythagerbeek (The Netherlands).—Distr.: Europe: B, CH, CS, D, NL; USSR: SET (Carpathians).
- benoisti** SÉGUY, 1938: Trav. Nat. Vall. Loing, 9: 37 (*Limnophila*). Type-locality: Forêt de Fontainebleau, Seine-et-Marne (France).—Distr.: Europe: F. [Generic position not certain.]
- gentilis** (LOEW, 1869): Besch. europ. Dipt., 1: 5 (*Poecilostola*). Type-locality: Silesia (Poland).—Distr.: Europe: PL.
- japonica** ALEXANDER, 1913: Can. Ent., 45: 316 (*Limnophila*). Type-locality: Tokyo, Honshu (Japan).—Distr.: USSR: FE (Sakhalin, Kuril Is); Asia: Japan (Hokkaido, Honshu, Shikoku, Kyushu).
- martynovi** ALEXANDER, 1933: Philipp. J. Sci., 52: 146 (*Limnophila*). Type-locality: Shkotovo, Partisansk district, Primorskiy kray (USSR).—Distr.: USSR: FE (Primorskiy kray).

- pictipennis** (MEIGEN, 1818): Syst. Besch., 1: 119 (*Limnobia*). Type-locality: not given (?near Stolberg [D]).—Distr.: Europe: A, B, BG, CH, CS, D, DDR, DK, F, GB, H, I (Sicily), NL, PL, R, S, SF, YU; USSR: CET, SET, TC, WS (south), ES (south), FE (Khabarovskiy kray, Primorskiy kray); Asia: Mongolia.
- angustipennis* (MEIGEN, 1818): Syst. Besch., 1: 120 (*Limnobia*). Type-locality: not given (?near Stolberg [D]).
- politostriata** ALEXANDER, 1934: Philipp. J. Sci., 52: 338 (*Limnophila*). Type-locality: Osernaya, mouth of Amur river (USSR).—Distr.: USSR: FE (south, Sakhalin).
- pruinosa** (MACQUART, 1834): Hist. nat. Ins., Dipt., 1: 99 (*Limnophila*). Type-locality: northern France.—Distr.: Europe: F.
- schranski** OOSTERBROEK, 1992: nom. nov. Replacement name for *Tipula punctata* SCHRANK, 1781, a junior primary homonym of *Tipula punctata* MÜLLER, 1764 (*Limnophila*).—Distr.: Europe: A, B, BG, CH, CS, D, DDR, DK, F, GB, H, I (incl. Sicily), N, NL, PL, R, S, SF, YU; USSR; NET (in the north to Petrozavodsk), CET, SET, TC, KZ (northwest).
- punctata* (SCHRANK, 1781): Enum. ins. austr. indig.: 425 (*Tipula*). Type-locality: Linz (Austria).
- soldatovi** ALEXANDER, 1934: Philipp. J. Sci., 52: 336 (*Limnophila*). Type-locality: Osernaya, mouth of Amur river (USSR).—Distr.: USSR: FE (Khabarovskiy kray).
- varicornis** COQUILLET, 1898: Proc. U.S. natn. Mus., 21: 304 (*Limnophila*). Type-locality: not given (Japan).—Distr.: Asia: Japan (?Shikoku), China (Jiangsu); China (Jiangxi).

### Neolimnomyia SÉGUY, 1937

SÉGUY, 1937: Bull. mens. Ass. Nat. Vall. Loing, 13: 6.

Type-species: *Neolimnomyia sylvestris* SÉGUY, 1937: l.c.: 6 (orig. des.).

*Brachylimnophila* ALEXANDER, 1966: see below as subgenus.

*Mixolimnomyia* SAVCHENKO, 1979: see below as subgenus.

### Subgenus BRACHYLIMNOPHILA ALEXANDER, 1966

ALEXANDER, 1966: Trans. Am. ent. Soc., 92: 119 (as subgenus of *Limnophila* MACQUART, 1834).

Type-species: *Limnophila brevifurca* OSTEN SACKEN, 1860: Proc. Acad. nat. Sci. Philad., 1859: 237 (orig. des.); not Palearctic.



- adjuncta** (WALKER, 1848): List Dipt. Brit. Mus., 1: 40 (*Limnobia*). Type-locality: England (Great Britain).—Distr.: Europe: B, CH, D, E, F (incl. Corsica), GB, I, IRE, NL, R; USSR: SET (southeast), TC (Ge); Asia: Lebanon. [?Conspecific with *nemoralis* MEIGEN, 1818; see MENDL, 1987: Spixiana, 10: 214.]
- dimidiata* (DE MEIJERE, 1918): Tijdschr. Ent., 61: 132 (*Limnophila*). Type-locality: not given (The Netherlands).
- noscibilis* (EDWARDS, 1921): Trans. R. ent. Soc. Lond., 1921: 225 (*Limnophila*, as var. of *nemoralis* MEIGEN). Type-localities: Norfolk; Hants; Devon; N Wales; Arran (Great Britain).
- extremiborealis** SAVCHENKO, 1978: Trudy biol.-pochv. Inst. DVNC AN SSSR, Vladivostok, (N.S.), 49(152): 64 (*Neolimnomyia*). Type-locality: near Shelekhovo, Paramushir, Kuril Is (USSR).—Distr.: USSR: FE (Kuril Is).
- nemoralis** (MEIGEN, 1818): Syst. Besch., 1: 126 (*Limnobia*). Type-locality: not given (?near Stolberg [D]).—Distr.: Europe: A, AL, B, BG, CH, CS, D, DDR, DK (incl. Faeroes), F (incl. Corsica), GB, GR (incl. Crete), H, I (incl. Sicily), IRE, L, N, NL, PL, R, S, SF, YU; USSR: NET (in the north to Mt. Khibiny), CET, SET, TC, KZ (southeast), SMA (Ki, Tj), WS (Altai), ES (south), FE (Primorskiy kray, Sakhalin, Kuril Is); North Africa: Morocco. [See *adjuncta*.]
- leucophaea* (MEIGEN, 1818): Syst. Besch., 1: 127 (*Limnobia*). Type-locality: not given ("aus der Sammlung des Hrn. Grafen von Hoffmannsegg").
- plebeia* (MEIGEN, 1818): Syst. Besch., 1: 127 (*Limnobia*). Type-locality: not given (?near Stolberg [D]).
- inclusa* (WALKER, 1848): List Dipt. Brit. Mus., 1: 41 (*Limnobia*). Type-localities: England (Great Britain); Alten [= Alta] (Norway).
- separata* (WALKER, 1848): List Dipt. Brit. Mus., 1: 56 (*Limnobia*). Type-locality: Hammerfest (Norway).
- collina* (EDWARDS, 1921): Trans. R. ent. Soc. Lond., 1921: 224 (*Limnophila*, as var. of *nemoralis*). Type-localities: Scotland; N Wales (Great Britain).
- quadrata* (EDWARDS, 1921): Trans. R. ent. Soc. Lond., 1921: 224 (*Limnophila*, as var. of *nemoralis*). Type-localities: Arran; Bonawe; Argyll; Cromarty Point (Great Britain).
- minuscula* (EDWARDS, 1921): Trans. R. ent. Soc. Lond., 1921: 224 (*Limnophila*, as var. of *nemoralis*). Type-localities: Bushy Heath; Knebworth (Great Britain).
- subnemoralis** (ALEXANDER, 1925): Ann. Mag. nat. Hist., (9) 15: 73 (*Limnophila*). Type-locality: Yumoto, Shimotsuke-no-kuni, Honshu (Japan).—Distr.: Asia: Japan (Honshu, Shikoku, Kyushu).
- transitoria** (ALEXANDER, 1941): Philipp. J. Sci., 76: 56. (*Limnophila*). Type-locality: Kamikochi, Honshu (Japan).—Distr.: Asia: Japan (Honshu).

## Subgenus MIXOLIMNOMYIA SAVCHENKO, 1979

SAVCHENKO, 1979: Dopov. Akad. Nauk ukr. RSR (B), 1979: 482 (as subgenus of *Neolimnomyia* SÉGUY, 1937).

Type-species: *Neolimnomyia rufula* SAVCHENKO, 1978: l.c.: 484 (orig. des.).

**rufula** SAVCHENKO, 1979: Dopov. Akad. Nauk ukr. RSR (B), 1979: 484 (*Neolimnomyia*). Type-locality: Krasnaya polijna, Pslukh river, Grushovoy pass, Tuapse district, Krasnodarskiy kray (USSR).—Distr.: USSR: SET (southeast), TC (Arm).

## Subgenus NEOLIMNOMYIA SÉGUY, 1937

**batava** (EDWARDS, 1938): Trans. Soc. Br. Ent., 5: 91 (*Limnophila*). Type-localities: Beds (Barton); Morayshire (Nairn); Notts; Wexford; Yorks (Great Britain).—Distr.: Europe: A, AL, B, BG, CH, CS, D, DDR, DK, F, GB, I, IRE, L, NL, PL, R, S; USSR: CET (Li), SET (Uk).

**filata** (WALKER, 1856): Ins. Brit., Dipt., 3: 305 (*Limnobia*). Type-locality: not given (Great Britain).—Distr.: Europe: A, B, CH, CS, D, DDR, DK, F, GB, H, IRE, NL, R, YU; USSR: CET (northwest), SET (Uk). [See *sylvestris*.]

**sylvestris** SÉGUY, 1937: Bull. mens. Ass. Nat. Vall. Loing, 13: 6 (*Neolimnomyia*). Type-locality: Fontainebleau, Seine-et-Marne (France).—Distr.: Europe: F. [?Conspecific with *filata* WALKER, 1856.]

**Nippolimnophila** ALEXANDER, 1930

ALEXANDER, 1930: Philipp. J. Sci., 42: 70.

Type-species: *Nippolimnophila kiusiuensis* ALEXANDER, 1930: l.c.: 71 (orig. des.).

**kiusiuensis** ALEXANDER, 1930: Philipp. J. Sci., 42: 71 (*Nippolimnophila*). Type-locality: Mt. Kirishima, Kyushu (Japan).—Distr.: Asia: Japan (Kyushu).

**omogiana** ALEXANDER, 1955: Philipp. J. Sci., 83: 291 (*Nippolimnophila*). Type-locality: Omogo valley, Iyo, Shikoku (Japan).—Distr.: Asia: Japan (Shikoku).

**perproducta** ALEXANDER, 1957: Philipp. J. Sci., 85: 363 (*Nippolimnophila*). Type-locality: Kurokawa, Echigo, Honshu (Japan).—Distr.: Asia: Japan (Honshu).

**yakushimensis** ALEXANDER, 1930: Philipp. J. Sci., 42: 72 (*Nippolimnophila*). Type-locality: Kosugidani, Yakushima, Kyushu (Japan).—Distr.: Asia: Japan (Kyushu).

**Phyllidorea BIGOT, 1854**

BIGOT, 1854: *Annls Soc. ent. Fr.*, (3) 2: 456 and 472 (as genus).

Type-species: *Limnobia ferruginea* MEIGEN, 1818: *Syst. Besch.*, 1: 128 (des. COQUILLET, 1910: *Proc. U.S. natn. Mus.*, 37: 590).

*Veruina* WALLENGREN, 1882: *Ent. Tidskr.*, (1) 2(4): 180 (as genus). Type-species:

*Limnobia bifurcata* ZETTERSTEDT, 1837: *Isis* (Oken's), 1837(1): 63 (mon.) [? = *ferruginea* (MEIGEN, 1818)].

*Macrolabina* SAVCHENKO, 1986: see below as subgenus.

*Paraphyllidorea* SAVCHENKO, 1986: see below as subgenus.

**Subgenus MACROLABINA SAVCHENKO, 1986**

SAVCHENKO, 1986: *Vestn. zool.*, 1986(5): 20 (as subgenus of *Phyllidorea* BIGOT, 1854).

Type-species: *Limnobia nigronotata* SIEBKE, 1870: *Nyt Mag. Naturvid.*, 17: 305 (orig. des.).

**alexanderi** (STARÝ, 1974): *Cas. morav. Mus. Brne*, 58: 114 (*Limnophila*). Type-locality: Pirin, near Baude Begovica (Bulgaria).—Distr.: Europe: BG.

**latistyla** SAVCHENKO, 1986: *Vestn. zool.*, 1986(5): 25 (*Phyllidorea*). Type-locality: Kolyma river, Magadan obl. (USSR).—Distr.: USSR: FE (Magadan obl.).

**nigronotata** (SIEBKE, 1870): *Nyt Mag. Naturvid.*, 17: 305 (*Limnobia*). Type-locality: Hesla bridge, Hemsil river, Gol (Norway).—Distr.: Europe: DDR, DK, N, PL, S, SF; USSR: NET (southwest), CET (northwest), ES (Taymyr), FE (Chukotka, Sakhalin, Primorskiy kray); Asia: Mongolia.

*conifera* (LACKSCHEWITZ, 1935): *Tromsø Mus. Årsh.*, (4) 53(4): 26 (*Limnophila*, as new name for *Limonia bicolor*: NIELSEN, 1925, not MEIGEN, 1804, misidentification).

**nigronotata macrocera** SAVCHENKO, 1986: *Vestn. zool.*, 1986(5): 23 (*Phyllidorea*). Type-locality: Narva, Mana river, Krasnoyarskiy kray (USSR).—Distr.: USSR: WS (Altai), ES (south), FE (Amur obl.).

**pernigrita** (ALEXANDER, 1938): *Philipp. J. Sci.*, 67: 156 (*Limnophila*). Type-locality: Chonsani, Paiktusan (North Korea).—Distr.: USSR: FE (Chukotka, Primorskiy kray); Asia: North Korea.

## Subgenus PARAPHYLIDOREA SAVCHENKO, 1986

SAVCHENKO, 1986: Fauna Ukrainy, **14**(2): 290 (as subgenus of *Phylidorea* BIGOT, 1854).

Type-species: *Limnobia fulvonervosa* SCHUMMEL, 1829: Beitr. Ent., Breslau, **1**: 164 (orig. des.).

**fulvocostalis** (COQUILLET in JORDAN, 1899): Fur seals and fur-seal islands of the North Pacific Ocean, **4**: 342 (*Limnophila*). Type-locality: Bering Is (USSR).—Distr.: USSR: FE (Bering Is, Kamchatka, Kuril Is).

*kamtchatkensis* (ALEXANDER, 1927): Arkiv Zool., **19**(A)(9): 3 (*Limnophila*). Type-locality: Petropavlovsk, Kamchatka (USSR). [Synonymy not certain.]

**fulvonervosa** (SCHUMMEL, 1829): Beitr. Ent., Breslau, **1**: 164 (*Limnobia*). Type-localities: near Charlottenbrunn [= Jedlina Zdrój; S of Walbrzych]; near Wrocław (Poland).—Distr.: Europe: A, B, BG, CH, CS, D, DDR, DK, F, GB, I, IRE, N, NL, PL, R, S, SF; USSR: NET, CET, SET, FE (Primorskiy kray, Sakhalin, Kuril Is); Asia: Japan (Hokkaido).

*lineolella* (VERRALL, 1887): Entomologist's mon. Mag., **23**: 266 (*Limnophila*). Type-locality: Lymington to Tongue (Great Britain).

*sapporensis* (ALEXANDER, 1921): Insecutor Inscit. menstr., **9**: 181 (*Limnophila*). Type-locality: Sapporo, Hokkaido (Japan).

## Subgenus PHYLIDOREA BIGOT, 1854

**abdominalis** (STAEGER, 1840): Naturh. Tidsskr., **3**: 29 (*Limnophila*). Type-locality: Leersøen (Denmark).—Distr.: Europe: A, B, CS, D, DDR, DK, F, GB, H, N, NL, PL, S, SF; USSR: NET, CET, SET (Uk).

*robusta* (WAHLGREN, 1905): Ent. Tidsskr., **26**: 69 (*Limnophila*). Type-localities: Uppland; Östergötland; Småland; Öland (Sweden).

**axillaris** (STROBL, 1906): Mems R. Soc. esp. Hist. nat., **3**: 413 (*Limnophila*). Type-locality: Malgrat (Spain).—Distr.: Europe: E. [Subgeneric position not certain.]

**bicolor** (MEIGEN, 1804): Klass. Beschr., **1**: 54 (*Limonia*). Type-locality: not given (?near Stolberg [D]).—Distr.: Europe: A, B, CH, CS, D, DDR, F, PL, R, S, SF, YU; USSR: NET, CET (northwest), SET (Uk).

**brevifurcata** (STROBL, 1906): Mems R. Soc. esp. Hist. nat., **3**: 414 (*Limnophila*, as ?var. of *axillaris* STROBL). Type-locality: Malgrat (Spain).—Distr.: Europe: E. [Subgeneric position not certain.]

**celaena** (ALEXANDER, 1970): Trans. Shikoku ent. Soc., **10**: 72 (*Limnophila*). Type-locality: Mt. Ontake, Hida, Honshu (Japan).—Distr.: Asia: Japan (Honshu).

- contraria** (WOLLASTON, 1858): Ann. Mag. nat. Hist., (3) 1: 114 (*Limnobia*). Type-locality: Cruzinhas (Madeira).—Distr.: Madeira.
- costalis** (SANTOS ABREU, 1923): Mem. R. Acad. Cienc. Artes Barcelona, 18: 154 (*Limnophila*). Type-locality: Barranco del Ancón, La Palma (Canary Is).—Distr.: Canary Is.
- ferruginea** (MEIGEN, 1818): Syst. Besch., 1: 128 (*Limnobia*). Type-locality: not given (?near Stolberg [D]).—Distr.: Europe: A, B, BG, CH, CS, D, DDR, DK (incl. Faeroes), F (incl. Corsica), GB, H, I, IRE, N, NL, PL, R, S, SF, YU; USSR: NET (southwest), CET, SET, TC, KZ, SMA, WS (Tuva); Asia: Mongolia.
- fulvescens* (MEIGEN, 1818): Syst. Besch., 1: 127 (*Limnobia*). Type-locality: not given ("aus der Sammlung des Hrn. Grafen von Hoffmannsegg").
- praeusta* (SCHUMMEL, 1829): Beitr. Ent., Breslau, 1: 169 (*Limnobia*). Type-locality: near Wrocław (Poland).
- bifurcata* (ZETTERSTEDT, 1837): Isis (Oken's), 1837(1): 63 (*Limnobia*). Type-locality: not given (Sweden). [Synonymy not certain.]
- unicolor* (WALKER, 1856): Ins. Brit., Dipt., 3: 289 (*Limnobia*). Type-locality: not given (Great Britain).
- gracilistyla** SAVCHENKO, 1973: Dopov. Akad. Nauk ukr. RSR (B), 1973: 372 (*Phylidorea*). Type-locality: west slopes of Goderdzi pass, Arsian Mts, Adzhar ASSR (USSR: Ge).—Distr.: USSR: SET (southeast), TC (southwest).
- heterogyna** (BERGROTH, 1913): Acta Soc. Fauna Flora fenn., 37(6): 7 (*Limnophila*). Type-locality: Rodga (Sweden).—Distr.: Europe: B, CS, D, DDR, DK, F, GB, S, SF; USSR: NET (southwest), CET (La).
- hokkaidensis** (ALEXANDER, 1947): Ann. ent. Soc. Am., 40: 357 (*Limnophila*). Type-locality: Sapporo, Hokkaido (Japan).—Distr.: USSR: FE (Sakhalin, Kuril Is); Asia: Japan (Hokkaido).
- kuwayamai** (ALEXANDER, 1925): Ann. ent. Soc. Am., 17: 440 (*Limnophila*). Type-locality: Sapporo, Ishikari-no-kuni, Hokkaido (Japan).—Distr.: Asia: Japan (Hokkaido).
- longicornis** (SCHUMMEL, 1829): Beitr. Ent., Breslau, 1: 168 (*Limnobia*). Type-locality: near Wrocław (Poland).—Distr.: Europe: A, B, CS, D, DK, F, GB, N, NL, PL, R, S, SF; USSR: NET (to Kola peninsula), CET, SET, WS (Salekhard, Tuva).
- glabricula* (MEIGEN, 1830): Syst. Besch., 6: 276 (*Limnobia*). Type-locality: not given ("von Hrn. Wiedemann").
- binotata* (ZETTERSTEDT, 1837): Isis (Oken's), 1837(1): 63 (*Limnobia*). Type-locality: not given (Sweden).
- longicornis pietatis** (ALEXANDER, 1950): Ann. ent. Soc. Am., 43: 431 (*Limnophila*, as species). Type-locality: Puksu Pyaksan (North Korea).—Distr.: USSR: FE (from Kamtchatka to Primorskiy kray); Asia: North Korea.

- melanomata** (ALEXANDER, 1921): Ann. ent. Soc. Am., **14**: 120 (*Limnophila*). Type-locality: Koiwai farm, near Morioka, Honshu (Japan).—Distr.: USSR: FE (Sakhalin, Kuril Is); Asia: Japan (Hokkaido, Honshu).
- melanura** (LACKSCHEWITZ, 1964): Ent. Obozr., **43**: 728 (*Limnophila*). Type-locality: northwest shore of lake Khassein, Gydanskiy peninsula, Tyumen obl. (USSR).—Distr.: USSR: WS (north), ES (Taymyr, Yakutsk ASSR), FE (Chukotka [= ?new subsp.]).
- modesta** (LACKSCHEWITZ, 1964): Ent. Obozr., **43**: 729 (*Limnophila*). Type-locality: lake Kisi at mouth of Taba river, basin of Amur river (USSR).—Distr.: USSR: FE (Khabarovskiy kray).
- mundella** (ALEXANDER, 1931): Philipp. J. Sci., **44**: 357 (*Limnophila*). Type-locality: Mt. Norikura, Japanese Alps, Shinano, Honshu (Japan).—Distr.: Asia: Japan (Honshu, Shikoku).
- nervosa** (SCHUMMEL, 1829): Beitr. Ent., Breslau, **1**: 167 (*Limnobia*). Type-locality: ?near Wrocław (Poland).—Distr.: Europe: A, CS, D, DDR, DK, F, PL, R, SF, YU; USSR: NET (southwest), CET (northwest), SET (Uk).  
*nigricollis* (MEIGEN, 1830): Syst. Besch., **6**: 276 (*Limnobia*). Type-locality: not given (?near Stolberg [D]).
- squalens** (ZETTERSTEDT, [1838]): Insecta Lapp.: 834 (*Limnobia*). Type-localities: Lycksele; Brattiksfjell (Sweden); Senja; Dovre (Norway).—Distr.: Europe: A, B, CH, CS, D, DDR, DK, F, GB, IRE, N, NL, PL, R, S, SF; USSR: NET, CET (west), SET (Uk).  
*denudata* (ZETTERSTEDT, [1838]): Insecta Lapp.: 831 (*Erioptera*). Type-localities: several localities in Lapland.  
*tarda* (WALKER, 1848): List Dipt. Brit. Mus., **1**: 41 (*Limnobia*). Type-locality: England (Great Britain).
- squalens multidentata** (ALEXANDER, 1938): Philipp. J. Sci., **67**: 155 (*Limnophila*, as subsp. of *subpoetica*). Type-locality: Chonsani, Paiktusan (North Korea).—Distr.: Asia: North Korea.
- squalens subpoenaetica** (ALEXANDER, 1924): Philipp. J. Sci., **24**: 575 (*Limnophila*, as species). Type-locality: Toyohara [= Yuzhno-Sakhalinsk], Sakhalin (USSR).—Distr.: USSR: FE (Sakhalin, Kuril Is, ?Magadan obl.).
- umbrarum** (KROGERUS, 1937): Notul. ent., **17**: 57 (*Limnophila*). Type-localities: several localities in NE Finland (Salla, Finland, by lectotype des. of TJEDER, 1969).—Distr.: Europe: SF; USSR: NET (Komi), WS (north Ural), ES, FE; Asia: North Korea.  
*megapygia* (ALEXANDER, 1938): Philipp. J. Sci., **67**: 154 (*Limnophila*). Type-locality: Chonsani, Paiktusan (North Korea).  
*subglabricula* (LACKSCHEWITZ, 1964): Ent. Obozr., **43**: 730 (*Limnophila*). Type-locality: Urkan river, tributary of Zeya river, Khabarovskiy kray (USSR).
- yamamotoi** (ALEXANDER, 1936): Philipp. J. Sci., **60**: 186 (*Limnophila*). Type-locality: Iwate-gun, Iwate pref., Honshu (Japan).—Distr.: USSR: ?FE (?Kuril Is); Asia: Japan (Honshu).

**Pilaria** SINTENIS, 1889

SINTENIS, 1889: Sber. naturf. Ges. Univ. Dorpat, **8**: 398.

Type-species: *Limnobia pilicornis* ZETTERSTEDT, 1851: Dipt. scand., **10**: 3885 (des. SHARP, 1890: Zool. Rec., **1889**, Ins.: 281) [= *meridiana* (STAEGER, 1840)].

**decolor** (ZETTERSTEDT, 1851): Dipt. scand., **10**: 3824 (*Limnobia*, as new name for *Limnobia unicolor* ZETTERSTEDT, 1838, a junior primary homonym of *Limnobia unicolor* SCHUMMEL, 1829).—Distr.: Europe: CS, D, N, NL, S, SF; USSR: TC (Ge).

*unicolor* (ZETTERSTEDT, [1838]): Insecta Lapp.: 834 (*Limnobia*). Type-locality: Lycksele (Sweden).

**discicollis** (MEIGEN, 1818): Syst. Besch., **1**: 125 (*Limnobia*). Type-locality: Austria.—Distr.: Europe: A, B, BG, CH, CS, D, DDR, DK, F (incl. Corsica), GB, H, I (incl. Sicily), IRE, N, NL, PL, R, S, SF, YU; USSR: NET (southwest), CET, SET; Asia: Iran. [See *ripicola*.]

*ruralis* (MEIGEN, 1838): Syst. Besch., **7**: 27 (*Limnobia*). Type-locality: not given.

**discicollis simulans** SAVCHENKO, 1983: Limoniidae of south Primorye: 61 (*Pilaria*). Type-locality: near Vladivostok, Primorskiy kray (USSR).—Distr.: USSR: FE (Primorskiy kray).

**dorsalis** ALEXANDER, 1924: Philipp. J. Sci., **24**: 577 (*Pilaria*). Type-locality: Konuma [= Novo-Alexandrovsk], Sakhalin (USSR).—Distr.: USSR: FE (Sakhalin, Kuril Is); Asia: Japan (Hokkaido).

**fuscipennis** (MEIGEN, 1818): Syst. Besch., **1**: 125 (*Limnobia*). Type-locality: not given (?near Stolberg [D]).—Distr.: Europe: A, B, BG, CH, CS, D, DDR, DK, F (incl. Corsica), GB, H, ?I, IRE, NL, PL, R, S, SF, YU; USSR: NET (southwest), CET (west), SET, ?FE.

**hypermea** ALEXANDER, 1970: Trans. Shikoku ent. Soc., **10**: 75 (*Pilaria*). Type-locality: Kurokawa, Echigo, Honshu (Japan).—Distr.: USSR: FE (Sakhalin, Kuril Is); Asia: Japan (Honshu, Shikoku).

**melanota** ALEXANDER, 1922: Insecutor Inscit. menstr., **10**: 185 (*Pilaria*). Type-locality: Gifu, Honshu (Japan).—Distr.: USSR: FE (Sakhalin); Asia: Japan (Honshu, Shikoku).

**meridiana** (STAEGER, 1840): Naturh. Tidsskr., **3**: 41 (*Limnobia*). Type-locality: not given (Denmark).—Distr.: Europe: CS, DDR, DK, GB, IRE, N, PL, S, SF, ?YU; USSR: NET, CET (northwest), WS (near Tomsk), FE (Sakhalin); Nearctic Region.

*pilicornis* (ZETTERSTEDT, 1851): Dipt. scand., **10**: 3885 (*Limnobia*). Type-localities: Ejsta; Hoburg (Sweden).

**nigropunctata** (AGRELL, 1945): Opusc. ent., **10**: 25 (*Limnophila*). Type-locality: Hyllstofta, Skåne (Sweden).—Distr.: Europe: CS, D, PL, S.

- ripicola** GÉRARD, 1968: Trav. Lab. Hydrobiol. Piscic. Univ. Grenoble, **59/60**: 165 (*Pilaria*). Type-localities: between Montbonnet and Domène; Sonnant; between Gières and Uriage; 3 km from Uriage (France).—Distr.: Europe: F. [?Conspecific with *discicollis* (MEIGEN, 1818).]
- scutellata** (STAEGER, 1840): Naturh. Tidsskr., **3**: 34 (*Limnophila*). Type-locality: Leersøen (Denmark).—Distr.: Europe: A, B, CS, D, DDR, DK, F, GB, H, NL, R, S, SF, YU; USSR: CET (La), SMA (Ki, Tj); Asia: Iran.
- subtincta* (ZETTERSTEDT, 1851): Dipt. scand., **10**: 3823 (*Limnobia*). Type-locality: Lund (Sweden).
- stigmosa** (MACQUART, 1834): Hist. nat. Ins., Dipt., **1**: 97 (*Limnophila*). Type-locality: northern France.—Distr.: Europe: F.
- tokionis** (ALEXANDER, 1920): Trans. Am. ent. Soc., **46**: 13 (*Limnophila*). Type-locality: Tokyo, Honshu (Japan).—Distr.: Asia: Japan (Honshu).

### **Polymera WIEDEMANN, 1820**

WIEDEMANN, 1820: Dipt. exot., Ed. 1, **1**: 40.

Type-species: *Chironomus hirticornis* FABRICIUS, 1805: Syst. antl.: 46 (mon.); not Palearctic.

- parvicornis** ALEXANDER, 1932: Philipp. J. Sci., **49**: 119 (*Polymera*). Type-locality: Kibune, Kyoto pref., Honshu (Japan).—Distr.: Asia: Japan (Honshu). [Generic position not certain.]

### **Prionolabis OSTEN SACKEN, 1860**

OSTEN SACKEN, 1860: Proc. Acad. nat. Sci. Philad., **1859**: 239 (as subgenus of *Limnophila* MACQUART, 1834).

Type-species: *Limnophila rufibasis* OSTEN SACKEN, 1860: l.c.: 239 (mon.); not Palearctic.

- acanthophora** (ALEXANDER, 1938): Philipp. J. Sci., **67**: 157 (*Limnophila*). Type-locality: Ompo (North Korea).—Distr.: USSR: FE (Primorskiy kray); Asia: North Korea.
- acutistylus** (ALEXANDER, 1925): Ann. Mag. nat. Hist., (9) **15**: 389 (*Limnophila*). Type-locality: Mt. Wakasugi, Chikuzen-no-kuni, Kyushu (Japan).—Distr.: Asia: Japan (Shikoku, Kyushu).
- astans** STARÝ, 1982: Bull. zool. Mus. Univ. Amsterdam, **9**: 27 (*Prionolabis*). Type-locality: Ronco, Genua (Italy).—Distr.: Europe: I.
- atrofemorata** (ALEXANDER, 1954): Trans. Shikoku ent. Soc., **4**: 30 (*Limnophila*, as new name for *Limnophila nigrofemorata* ALEXANDER, 1938, a junior pri-



- mary homonym of *Limnophila nigrofemorata* ALEXANDER, 1927).—Distr.: Asia: Japan (Honshu, Shikoku).
- nigrofemorata* (ALEXANDER, 1938): Philipp. J. Sci., **66**: 117 (*Limnophila*). Type-locality: Mt. Nansho, Iwate pref., Honshu (Japan).
- auribasis* (ALEXANDER, 1918): Ann. ent. Soc. Am., **11**: 446 (*Limnophila*). Type-locality: Osaka, Honshu (Japan).—Distr.: Asia: Japan (Honshu, Shikoku).
- carbonis* (ALEXANDER, 1938): Philipp. J. Sci., **66**: 325 (*Limnophila*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- clavaria* (ALEXANDER, 1950): Ann. ent. Soc. Am., **43**: 429 (*Limnophila*). Type-locality: Kankyo Nando, Puksu Pyaksan, Toorisani (North Korea).—Distr.: USSR: ?WS (?Altai, ?Minusinsk), ?FE (?Sakhalin); Asia: North Korea.
- cognata* (LACKSCHEWITZ, 1940): Annln naturh. Mus. Wien, **50**: 87 (*Limnophila*). Type-locality: Pashtrik (Albania).—Distr.: Europe: AL, YU.
- dis* (ALEXANDER, 1950): Ann. ent. Soc. Am., **43**: 430 (*Limnophila*). Type-locality: Puksu Pyaksan (North Korea).—Distr.: Asia: North Korea.
- elapsa* (BERGROTH, 1888): Verh. zool.-bot. Ges. Wien, **38**: 649 (*Limnophila*, as new name for *Limnobia unicolor* AM STEIN, 1860, a junior primary homonym of *Limnobia unicolor* ZETTERSTEDT, 1838).—Distr.: Europe: ?A, CH. [See *longeantennata*.]
- unicolor* (AM STEIN, 1860): Jber. naturf. Ges. Graubünden (N.F.), **5**: 100 (*Limnobia*). Type-locality: not given (Switzerland).
- extensa* (ALEXANDER, 1958): Trans. Shikoku ent. Soc., **6**: 6 (*Limnophila*). Type-locality: Misaka pass, Iyo, Shikoku (Japan).—Distr.: Asia: Japan (Shikoku).
- hospes* (EGGER, 1863): Verh. zool.-bot. Ges. Wien, **13**: 1108 (*Limnophila*). Type-locality: Austria.—Distr.: Europe: A, B, BG, CH, CS, D, DDR, E, F, H, I, N, PL, R, YU; USSR: SET (southwest).
- platyptera* (MACQUART, 1834): Hist. nat. Ins., Dipt., **1**: 106 (*Limnobia*). Type-locality: Lorraine (France). [A junior primary homonym of *Limnobia platyptera* MACQUART, 1826.]
- imanishii* (ALEXANDER, 1932): Philipp. J. Sci., **49**: 122 (*Limnophila*). Type-locality: Bogaya, Toyama pref., Japanese Alps, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- inermis* (ALEXANDER, 1934): Philipp. J. Sci., **53**: 285 (*Limnophila*). Type-locality: lake Chuzenji (Tzuzenji), Shimotsuke, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- inopis* (ALEXANDER, 1970): Trans. Shikoku ent. Soc., **10**: 74 (*Limnophila*). Type-locality: Yokomura, Mino, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- isis* (ALEXANDER, 1958): Trans. Shikoku ent. Soc., **6**: 4 (*Limnophila*). Type-locality: Mt. Hukumi, Iyo, Shikoku (Japan).—Distr.: Asia: Japan (Shikoku).
- ioyensis* (ALEXANDER, 1955): Philipp. J. Sci., **83**: 288 (*Limnophila*). Type-locality: Mt. Kuro, Iyo, Shikoku (Japan).—Distr.: Asia: Japan (Shikoku).
- kunimiana* (ALEXANDER, 1969): Trans. Shikoku ent. Soc., **10**: 39 (*Limnophila*). Type-locality: Mt. Kunimi, Kyushu (Japan).—Distr.: Asia: Japan (Kyushu).

- lictor** (ALEXANDER, 1940): Philipp. J. Sci., **71**: 188 (*Limnophila*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- liponeura** (ALEXANDER, 1930): Philipp. J. Sci., **42**: 523 (*Limnophila*). Type-locality: Mt. Kirishima, Kyushu (Japan).—Distr.: Asia: Japan (Kyushu).
- lipophleps** (ALEXANDER, 1930): Philipp. J. Sci., **42**: 522 (*Limnophila*). Type-locality: Kosugidani, Yakushima, Kyushu (Japan).—Distr.: Asia: Japan (Kyushu).
- longeantennata** (STROBL, 1909): Mitt. naturw. Ver. Steierm., **46**: 278 (*Limnophila*). Type-locality: near Admont (Austria).—Distr.: Europe: A. [?Conspecific with *elapsa* BERGROTH, 1888.]
- luteibasalis** (ALEXANDER, 1934): Philipp. J. Sci., **53**: 283 (*Limnophila*). Type-locality: Konsei pass, Shimotsuke, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- majorina** (ALEXANDER, 1958): Trans. Shikoku ent. Soc., **6**: 5 (*Limnophila*). Type-locality: Misaka pass, Iyo, Shikoku (Japan).—Distr.: Asia: Japan (Shikoku).
- mendli** SAVCHENKO, 1983: Limoniidae of south Primorye: 58 (*Prionolabis*). Type-locality: near Vladivostok, Primorskiy kray (USSR).—Distr.: USSR: FE (Primorskiy kray).
- neomunda** (ALEXANDER, 1925): Ann. ent. Soc. Am., **17**: 437 (*Limnophila*). Type-locality: Sapporo, Ishikari-no-kuni, Hokkaido (Japan).—Distr.: Asia: Japan (Hokkaido).
- nigrilunae** (TOKUNAGA, 1935): Annotnes zool. jap., **15**: 196 (*Limnophila*). Type-locality: Kamikochi, Nagano pref., Japanese Alps, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- odai** (ALEXANDER, 1933): Philipp. J. Sci., **51**: 401 (*Limnophila*). Type-locality: not given (near Tokyo, Honshu, Japan).—Distr.: Asia: Japan (Honshu, Shikoku).
- pilosula** (ALEXANDER, 1936): Philipp. J. Sci., **59**: 247 (*Limnophila*). Type-locality: Wen Chuan, Sichuan (China).—Distr.: Asia: China (Sichuan).
- poliochroa** (ALEXANDER, 1940): Philipp. J. Sci., **71**: 189 (*Limnophila*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- recurvans** (ALEXANDER, 1953): Philipp. J. Sci., **82**: 64 (*Limnophila*). Type-locality: Nisigawa to Yanase, Tosa, Shikoku (Japan).—Distr.: Asia: Japan (Shikoku).
- rufipennis** (ALEXANDER, 1919): Ann. ent. Soc. Am., **12**: 341 (*Limnophila*). Type-locality: Chichibu, Saitama pref., Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- shikokuana** (ALEXANDER, 1953): Philipp. J. Sci., **82**: 65 (*Limnophila*). Type-locality: Mt. Tsurugi, Awa, Shikoku (Japan).—Distr.: Asia: Japan (Shikoku).
- sounkyana** (ALEXANDER, 1934): Philipp. J. Sci., **53**: 282 (*Limnophila*). Type-locality: Sôunkyô, Hokkaido (Japan).—Distr.: USSR: FE (Sakhalin, Kuril Is); Asia: Japan (Hokkaido).

- subcognata** SAVCHENKO, 1971: *Dopov. Akad. Nauk ukr. RSR (B)*, 1971: 754 (*Prionolabis*). Type-locality: near Bakhmaro, Adzharo-Imeretin Mts (USSR: Ge).—Distr.: USSR: TC (southwest).
- submunda** (ALEXANDER, 1918): *Ann. ent. Soc. Am.*, 11: 446 (*Limnophila*). Type-locality: Kyoto, Honshu (Japan).—Distr.: Asia: Japan (Honshu, Shikoku, Kyushu).
- uncinata** (ALEXANDER, 1954): *Philipp. J. Sci.*, 82: 296 (*Limnophila*). Type-locality: Omogokei, Shikoku (Japan).—Distr.: Asia: Japan (Shikoku).
- yamamotoana** (ALEXANDER, 1938): *Philipp. J. Sci.*, 66: 118 (*Limnophila*). Type-locality: Matsuo, Iwate pref., Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- yankovskiyana** (ALEXANDER, 1940): *Philipp. J. Sci.*, 71: 50 (*Limnophila*). Type-locality: Seren Mts (North Korea).—Distr.: USSR: FE (Primorskiy kray); Asia: North Korea.

### **Pseudolimnophila** ALEXANDER, 1919

ALEXANDER, 1919: *Mem. Cornell Univ. agric. Exp. Stn*, 25: 917 (as subgenus of *Limnophila* MACQUART, 1834).

Type-species: *Limnophila luteipennis* OSTEN SACKEN, 1860: *Proc. Acad. nat. Sci. Philad.*, 1859: 236 (des. ALEXANDER, 1920: *Mem. Cornell Univ. agric. Exp. Stn*, 38: 849); not Palearctic.

- brunneinota** ALEXANDER, 1933: *Philipp. J. Sci.*, 52: 141 (*Pseudolimnophila*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- ebullata** STARÝ, 1982: *Bull. zool. Mus. Univ. Amsterdam*, 9: 26 (*Pseudolimnophila*). Type-locality: Biviere di Cesaro, Sicily (Italy).—Distr.: Europe: I (Sicily).
- inconcussa** (ALEXANDER, 1913): *Can. Ent.*, 45: 313 (*Limnophila*). Type-locality: Tokyo, Honshu (Japan).—Distr.: USSR: FE (Kuril Is); Asia: from Japan (Hokkaido) to south China (Guangdong, Guangxi) and Taiwan.
- lucorum** (MEIGEN, 1818): *Syst. Besch.*, 1: 125 (*Limnobia*). Type-locality: not given (?near Stolberg [D]).—Distr.: Europe: A, B, BG, CH, CS, CY, D, DDR, DK, F (incl. Corsica), GB, H, I, IRE, NL, PL, R, S, SF, YU; USSR: NET (excl. the extreme north), CET, SET, TC, SMA (Tu); Asia: Iran.
- tetrasticta* (BERGROTH, 1888): *Verh. zool.-bot. Ges. Wien*, 38: 647 (*Limnophila*). Type-locality: Ljubljana (Yugoslavia).
- melanura** SAVCHENKO in SAVCHENKO and PLYUSHCH, 1984: *Ent. Obozr.*, 63: 170 (*Pseudolimnophila*). Type-locality: near Varzob, Odzhuk river (USSR: Tj).—Distr.: USSR SMA (Tj).
- sepium** (VERRALL, 1886): *Entomologist's mon. Mag.*, 22: 200 (*Limnophila*). Type-localities: Lyndhurst; Freshwater; Lymington (Great Britain).—Distr.: Europe: A, AL, B, BG, CH, CS, D, DDR, DK, F (incl. Corsica), GB, GR

(incl. Kerkira), I, IRE, L, NL, PL, R, S, YU; USSR: NET (excl. the extreme north), CET, SET, TC, SMA (Tu, Ki); Asia: Turkey, Afghanistan.

**telephallus** ALEXANDER, 1957: Philipp. J. Sci., **85**: 360 (*Pseudolimnophila*). Type-locality: Kurokawa, Echigo, Honshu (Japan).—Distr.: USSR: ?FE (?Kurul Is); Asia: Japan (Honshu).

### **Ulomorpha** OSTEN SACKEN, 1869

OSTEN SACKEN, 1869: Smithson. misc. Collns, **8**(219): 232.

Type-species: *Limnophila pilosella* OSTEN SACKEN, 1860: Proc. Acad. nat. Sci. Philad., **1859**: 241 (mon.); not Palaearctic.

**nigricolor** ALEXANDER, 1925: Ann. Mag. nat. Hist., (9) **15**: 75 (*Ulomorpha*). Type-locality: lake Ozenuma, on boundary between Iwashiro-no-kuni and Kotsuke-no-kuni, Honshu (Japan).—Distr.: Asia: Japan (Honshu, Shikoku, Kyushu), North Korea.

**polytricha** ALEXANDER, 1930: Philipp. J. Sci., **42**: 72 (*Ulomorpha*). Type-locality: Kosugidani, Yakushima, Kyushu (Japan).—Distr.: Asia: Japan (Kyushu).

## Tribe Atarbini

### **Atarba** OSTEN SACKEN, 1869

OSTEN SACKEN, 1869: Smithson. misc. Collns, **8**(219): 127.

Type-species: *Atarba picticornis* OSTEN SACKEN, 1869: l.c.: 128 (mon.); not Palaearctic.

*Atarbodes* ALEXANDER, 1920: see below as subgenus.

### Subgenus ATARBODES ALEXANDER, 1920

ALEXANDER, 1920: Ann. ent. Soc. Am., **13**: 255 (as subgenus of *Atarba* OSTEN SACKEN, 1869).

Type-species: *Atarba pallidicornis* EDWARDS, 1916: Ann. Mag. nat. Hist., (8) **18**: 249 (orig. des.); not Palaearctic.

**bipunctulata** ALEXANDER, 1932: Philipp. J. Sci., **49**: 126 (*Atarba*). Type-locality: Kwanhsien, Sichuan (China).—Distr.: Asia: China (Sichuan).

**minuticornis** ALEXANDER, 1930: Philipp. J. Sci., **42**: 526 (*Atarba*). Type-locality: Kosugidani, Yakushima, Kyushu (Japan).—Distr.: Asia: Japan (Shikoku, Kyushu).

## Tribe Hexatomini

**Hexatoma** LATREILLE, 1809

LATREILLE, 1809: Gen. Crust. Ins., 4: 260.

Type-species: *Hexatoma nigra* LATREILLE, 1809: l.c.: 260 (mon.).

*Nematocera* MEIGEN, 1818: Syst. Besch., 1: 209. Type-species: *Nematocera bicolor* MEIGEN, 1818: l.c.: 209 (present designation).

*Anisomera* MEIGEN, 1818: Syst. Besch., 1: 210. Type-species: *Anisomera obscura* MEIGEN, 1818: l.c.: 210 (mon.).

*Peronecera* CURTIS, 1836: Brit. Ent., 13: 589. Type-species: *Peronecera fuscipennis* CURTIS, 1836: l.c.: 589 (mon.).

*Trimacromera* ENDERLEIN, 1936: Tierwelt Mitteleurop., 6(2), Ins., 3(16): 23. Type-species: *Nematocera nubeculosa* BURMEISTER, 1829: Entom. Arch., 2(1): 36 (mon.).

*Eriocera* MACQUART, 1838: see below as subgenus.

*Cladolipes* LOEW, 1865: see below as subgenus.

## Subgenus CLADOLIPES LOEW, 1865

LOEW, 1865: Z. ges. Naturw., 26: 424 (as genus).

Type-species: *Cladolipes simplex* LOEW, 1865: l.c.: 425 (mon.).

**haiasana** (SAVCHENKO, 1972): Dopov. Akad. Nauk ukr. RSR (B), 1972: 469 (*Cladolipes*). Type-locality: Byurakan (USSR: Arm).—Distr.: USSR: TC (Ge, Arm).

**simplex** (LOEW, 1865): Z. ges. Naturw., 26: 425 (*Cladolipes*). Type-locality: Greece.—Distr.: Europe: AL, BG, R, GR (incl. Rodhos).

**simplex asiatica** (SAVCHENKO, 1972): Dopov. Akad. Nauk ukr. RSR (B), 1972: 467 (*Cladolipes*). Type-locality: near Archivan, Astara district, Talysh (USSR: Az).—Distr.: USSR: TC (Az), SMA (Tu).

## Subgenus ERIOCERA MACQUART, 1838

MACQUART, 1838: Dipt. exot., 1(1): 74 (as genus).

Type-species: *Limnobia nigra*: authors, not WIEDEMANN, 1828: Aussereurop. zweifl. Insekt., 1: 27, misidentification (mon.) [= *macquarti* (ENDERLEIN, 1912)]; not Palearctic.

*Caloptera* GUÉRIN-MÉNEVILLE in DUPERREY, 1831: Voyage corvette sa majesté La Coquille, Zool., Atlas: pl. 20, fig. 2 (as genus). Type-species: *Caloptera fasciata*

GUÉRIN-MÉNEVILLE, 1831: l.c.: pl. 20, fig. 2 (orig. des.); not Palaearctic.

[In the interest of stability and in accordance with usage the authors have adopted for this catalogue the name *Eriocera*, whereas *Caloptera* is the correct name under the I.C.Z.N. rules. Suspension of I.C.Z.N. rules is required to preserve the junior synonym *Eriocera* as a valid name.]

*Allarithmia* LOEW, 1850: Programm k. Realschule zu Meseritz, 1850: 38 (as genus) (fossil). Type-species: *Allarithmia palpata* LOEW, 1850: l.c.: 38 (mon.) (fossil); see ALEXANDER, 1931: Bernst. Forsch., 2: 85.

*Penthoptera* SCHINER, 1863: Wien. ent. Mschr., 7: 220 (as genus). Type-species: *Tipula chirothecata* SCOPOLI, 1763: Entom. carniolica: 320 (orig. des.).

*Globericera* MATSUMURA, 1916: Thousand Ins. Japan, Add. 2: 471 (as genus). Type-species: *Globericera moriokana* MATSUMURA, 1916: l.c.: 469 and 470 (orig. des.).

*Coreozelia* ENDERLEIN, 1936: Tierwelt Mitteleurop., 6(2), Ins., 3(16): 22 (as genus). Type-species: *Tipula cimicoides* SCOPOLI, 1763: Entom. carniolica: 320 (mon.).

[**abdominalis** (ALEXANDER, 1922): Bull. Mus. natn. Hist. nat. Paris, (1) 28: 297 (*Eriocera*). Type-locality: Jiangxi (China).—Distr.: Asia: China (Jiangxi).]

**aequinigra** ALEXANDER, 1934: Philipp. J. Sci., 52: 339 (*Hexatoma*). Type-locality: Tigrovoy, Partisansk district, Primorskiy kray (USSR).—Distr.: USSR: FE (Primorskiy kray).

**alboguttata** (MATSUMURA, 1916): Thousand Ins. Japan, Add. 2: 468 and 469 (*Eriocera*). Type-localities: Atami, Honshu; Iyo, Shikoku; Kumamoto, Kyushu (Japan).—Distr.: Asia: Japan (Hokkaido, Honshu, Shikoku, Kyushu).

**arrogans** (ALEXANDER, 1927): Proc. U.S. natn. Mus., 72: 5 (*Eriocera*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).

**atripes** ALEXANDER, 1934: Philipp. J. Sci., 52: 341 (*Hexatoma*). Type-locality: Vinogradovka, Primorskiy kray (USSR).—Distr.: USSR: FE (Primorskiy kray).

**caesarea** (ALEXANDER, 1931): Philipp. J. Sci., 44: 358 (*Eriocera*). Type-locality: Kwanshien, Sichuan (China).—Distr.: Asia: China (Sichuan).

**caesia** SAVCHENKO, 1979: Vestn. zool., 1979(1): 25 (*Hexatoma*, as new name for *Hexatoma canescens* SAVCHENKO, 1976, a junior primary homonym of *Hexatoma canescens* ALEXANDER, 1949).—Distr.: USSR: FE (Sakhalin, Kuril Is).

*canescens* SAVCHENKO in SAVCHENKO and KRIVOLUTSKAYA, 1976: Limoniidae of the south Kuril Islands and south Sakhalin: 77 and 78 (*Hexatoma*). Type-locality: near Tretiakovo, Kunashir, Kuril Is (USSR).

**cantonensis** ALEXANDER, 1938: Philipp. J. Sci., 66: 124 (*Hexatoma*). Type-locality: Mt. Paak Wan, Guangdong (China).—Distr.: Asia: China (Zhejiang); China (Jiangxi, Guangdong).

**cerberus** ALEXANDER, 1953: Philipp. J. Sci., 82: 167 (*Hexatoma*). Type-locality: Omogokei, Iyo, Shikoku (Japan).—Distr.: Asia: Japan (Shikoku).

- chirothecata** (SCOPOLI, 1763): Entom. carniolica: 320 (*Tipula*). Type-locality: Kärnten (Austria).—Distr.: Europe: A, AL, BG, CH, CS, GR, H, I, YU; USSR: SET (southwest), ?TC.
- cimicoides** (SCOPOLI, 1763): Entom. carniolica: 320 (*Tipula*). Type-locality: not given.—Distr.: Europe: A, CS, YU; USSR: CET (Li), SET (Carpathians).
- cleopatra** ALEXANDER, 1933: Philipp. J. Sci., **52**: 163 (*Hexatoma*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- cybele** (ALEXANDER, 1927): Proc. U.S. natn. Mus., **72**: 4 (*Eriocera*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- davidi** (ALEXANDER, 1923): Bull. Mus. natn. Hist. nat. Paris, (1) **29**: 295 (*Eriocera*). Type-locality: Sichuan (China).—Distr.: Asia: China (Sichuan, Zhejiang); China (Jiangxi, Fujian, Guangdong).
- diploneura** ALEXANDER, 1934: Philipp. J. Sci., **54**: 330 (*Hexatoma*). Type-locality: Chengdu, along banks of Min river, Sichuan (China).—Distr.: Asia: China (Sichuan).
- fulvibasis** (ALEXANDER, 1923): Ann. ent. Soc. Am., **16**: 67 (*Eriocera*). Type-locality: Teshio, Hokkaido (Japan).—Distr.: Asia: Japan (Hokkaido).
- fumidipennis** (ALEXANDER, 1927): Proc. U.S. natn. Mus., **72**: 3 (*Eriocera*). Type-locality: Suifu, Sichuan (China).—Distr.: Asia: China (Sichuan).
- geminata** (ALEXANDER, 1923): Ann. ent. Soc. Am., **16**: 67 (*Eriocera*). Type-locality: Tokyo-Fu, Oshima, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- gifuensis** ALEXANDER, 1933: Philipp. J. Sci., **52**: 153 (*Hexatoma*). Type-locality: Gifu, Mino, Honshu (Japan).—Distr.: Asia: Japan (Honshu, Shikoku).
- grahami** (ALEXANDER, 1927): Proc. U.S. natn. Mus., **72**: 3 (*Eriocera*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- grisea** (RIEDEL, 1914): Annl. hist.-nat. Mus. natn. hung., **12**: 147 (*Pentoptera*). Type-locality: Körösmezö, Ungarn [= Yasinia, Carpathians (USSR)].—Distr.: Europe: BG; USSR: SET (Carpathians).
- hemicera** (ALEXANDER, 1933): Philipp. J. Sci., **50**: 150 (*Eriocera*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- hilpa** (WALKER, 1848): List Dipt. Brit. Mus., **1**: 79 (*Pterocosmus*). Type-locality: Hong Kong.—Distr.: Asia: China (Zhejiang); Hong Kong.
- hilpoides** (ALEXANDER, 1922): Bull. Mus. natn. Hist. nat. Paris, (1) **28**: 296 (*Eriocera*). Type-locality: Sichuan (China).—Distr.: Asia: China (Sichuan).
- imperator** ALEXANDER, 1953: Philipp. J. Sci., **82**: 169 (*Hexatoma*). Type-locality: Odamiyama, Iyo, Shikoku (Japan).—Distr.: Asia: Japan (Shikoku).
- issikii** (ALEXANDER, 1928): Philipp. J. Sci., **36**: 471 (*Eriocera*). Type-locality: Zyogi, near Sendai, Miyagi pref., Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- jozana** (ALEXANDER, 1924): Philipp. J. Sci., **24**: 578 (*Eriocera*). Type-locality: Jozankei, Hokkaido (Japan).—Distr.: USSR: FE (Sakhalin); Asia: Japan (Hokkaido).

- kamiyai** (ALEXANDER, 1932): Philipp. J. Sci., **49**: 125 (*Eriocera*). Type-locality: Kamikochi, Shinano, Japanese Alps, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- kariyai** ALEXANDER, 1933: Philipp. J. Sci., **52**: 160 (*Hexatoma*). Type-locality: Gifu, Mino, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- klapperichiana** ALEXANDER, 1957: Ann. Mag. nat. Hist., (12) **10**: 110 (*Hexatoma*). Type-locality: Sarekanda Mts, Badakhshan (Afghanistan).—Distr.: Asia: Afghanistan.
- [**kiangsuana** ALEXANDER, 1939: Arkiv Zool., **30(B)**(6): 2 (*Hexatoma*). Type-locality: Jiangxi (China).—Distr.: Asia: China (Jiangxi).]
- [**kolthoffi** ALEXANDER, 1939: Arkiv Zool., **30(B)**(6): 3 (*Hexatoma*). Type-locality: Jiangxi (China).—Distr.: Asia: China (Jiangxi).]
- lanigera** ALEXANDER, 1933: Philipp. J. Sci., **52**: 149 (*Hexatoma*). Type-locality: Yin-Kuan-Tsai (China).—Distr.: Asia: China (Sichuan-Tibet border).
- longeantennata** (LACKSCHEWITZ, 1964): Ent. Obozr., **43**: 731 (*Eriocera*). Type-locality: Aldan river at mouth of Tympton river, Yakutsk ASSR (USSR).—Distr.: USSR: ES (Yakutsk ASSR).
- longifurca** (ALEXANDER, 1920): Trans. Am. ent. Soc., **46**: 14 (*Eriocera*). Type-locality: Saitama pref., Honshu (Japan).—Distr.: Asia: Japan (Honshu, Shikoku).
- luteicostalis** ALEXANDER, 1933: Philipp. J. Sci., **52**: 156 (*Hexatoma*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- masakii** ALEXANDER, 1934: Philipp. J. Sci., **55**: 48 (*Hexatoma*). Type-locality: Suigen (North Korea).—Distr.: Asia: North Korea.
- mediofila** ALEXANDER, 1933: Philipp. J. Sci., **52**: 151 (*Hexatoma*). Type-locality: Yu-Long-Si (China).—Distr.: Asia: China (Tibet border).
- minensis** ALEXANDER, 1934: Philipp. J. Sci., **54**: 329 (*Hexatoma*). Type-locality: Chengdu, along banks of Min river, Sichuan (China).—Distr.: Asia: China (Sichuan).
- moriokana** (MATSUMURA, 1916): Thousand Ins. Japan, Add. **2**: 469 and 470 (*Globericera*). Type-locality: Morioka, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- morula** (ALEXANDER, 1922): Bull. Mus. natn. Hist. nat. Paris, (1) **28**: 297 (*Eriocera*). Type-locality: Sichuan (China).—Distr.: Asia: China (Sichuan).
- nepalensis** (WESTWOOD, 1835): Annls Soc. ent. Fr., (1) **4**: 681 (*Caloptera*). Type-locality: Nepal.—Distr.: Asia: Afghanistan, China (Sichuan); India (Assam), Malaya, Nepal.
- nigrotrochanterata** (ALEXANDER, 1932): Philipp. J. Sci., **49**: 123 (*Eriocera*). Type-locality: Mt. Ohdai, Yamato, Honshu (Japan).—Distr.: Asia: Japan (Honshu, Shikoku).
- nipponensis** (ALEXANDER, 1918): Ann. ent. Soc. Am., **11**: 446 (*Eriocera*). Type-locality: Kyoto, Honshu (Japan).—Distr.: Asia: Japan (Honshu, Shikoku).



- nudivena** ALEXANDER, 1933: Philipp. J. Sci., **52**: 158 (*Hexatoma*). Type-locality: Zya-Ha pass (China).—Distr.: Asia: China (Tibet border).
- omeiana** ALEXANDER, 1933: Philipp. J. Sci., **52**: 155 (*Hexatoma*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- pernigrina** ALEXANDER, 1938: Philipp. J. Sci., **67**: 159 (*Hexatoma*). Type-locality: Ompo (North Korea).—Distr.: Asia: North Korea.
- pieli** ALEXANDER, 1937: Notes Ent. chin., **4**: 81 (*Hexatoma*). Type-locality: Chusan, Zhejiang (China).—Distr.: Asia: China (Zhejiang).
- pieliana** ALEXANDER, 1940: Notes Ent. chin., **8**: 23 (*Hexatoma*). Type-locality: Mt. Mokan, Zhejiang (China).—Distr.: Asia: China (Zhejiang).
- platysoma** (ALEXANDER, 1930): Philipp. J. Sci., **42**: 73 (*Eriocera*). Type-locality: Kwanhsien, Sichuan (China).—Distr.: Asia: China (Sichuan).
- pleskei** ALEXANDER, 1933: Philipp. J. Sci., **52**: 161 (*Hexatoma*). Type-locality: Tigrovoy, Partisansk district, Primorskiy kray (USSR).—Distr.: USSR: FE (Primorskiy kray).
- posticata** ALEXANDER, 1937: Notes Ent. chin., **4**: 85 (*Hexatoma*). Type-locality: Mt. Tien-mu, Zhejiang (China).—Distr.: Asia: China (Zhejiang).
- [**pterotricha** ALEXANDER, 1940: Notes Ent. chin., **8**: 26 (*Hexatoma*). Type-locality: Kuling, Jiangxi (China).—Distr.: Asia: China (Jiangxi).]
- [**quadriatrata** ALEXANDER, 1938: Philipp. J. Sci., **63**: 387 (*Hexatoma*). Type-locality: Tai-au-hong, Jiangxi (China).—Distr.: Asia: China (Jiangxi).]
- [**regina** ALEXANDER, 1937: Notes Ent. chin., **4**: 82 (*Hexatoma*). Type-locality: Kuling, Jiangxi (China).—Distr.: Asia: China (Jiangxi).]
- regina kiuhuana** ALEXANDER, 1941: Philipp. J. Sci., **73**: 414 (*Hexatoma*). Type-locality: Mt. Kiuhoa, Anhui (China).—Distr.: Asia: China (Anhui).
- sachalinensis** (ALEXANDER, 1924): Philipp. J. Sci., **24**: 579 (*Eriocera*). Type-locality: Takinosava [= Perevalniy], Aniva district, Sakhalin (USSR).—Distr.: USSR: WS (Altai), FE (Primorskiy kray, Sakhalin).
- schnusei** (KUNTZE, 1913): Dt. ent. Z., **1913**: 547 (*Penthoptera*). Type-localities: Ajaccio; Vizzavona (France: Corsica).—Distr.: Europe: F (Corsica).
- sinensis** (EDWARDS, 1921): Ann. Mag. nat. Hist., (9) **8**: 87 (*Eriocera*). Type-locality: Golden Buddha Mts, N of Changking, Sichuan (China).—Distr.: Asia: China (Sichuan).
- stackelbergi** ALEXANDER, 1933: Philipp. J. Sci., **52**: 152 (*Hexatoma*). Type-locality: Tigrovoy, Partisansk district, Primorskiy kray (USSR).—Distr.: USSR: FE (Primorskiy kray, ?Khabarovskiy kray, ?Sakhalin).
- stricklandi** (EDWARDS, 1921): Ann. Mag. nat. Hist., (9) **8**: 82 (*Eriocera*). Type-locality: Japan.—Distr.: Asia: Japan (Shikoku).
- stricklandi pallidibasis** ALEXANDER, 1953: Philipp. J. Sci., **82**: 68 (*Hexatoma*). Type-locality: Mt. Ishizuchi, Iyo, Shikoku (Japan).—Distr.: Asia: Japan (Shikoku).
- subpusilla** ALEXANDER, 1933: Philipp. J. Sci., **52**: 159 (*Hexatoma*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).

- subrectangularis** (ALEXANDER, 1925): Ann. Mag. nat. Hist., (9) 15: 76 (*Eriocera*). Type-locality: Kofu, Kai-no-kuni, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- superba** SAVCHENKO in SAVCHENKO and KRIVOLUTSKAYA, 1976: Limoniidae of the south Kuril Islands and south Sakhalin: 77 (*Hexatoma*). Type-locality: near Tretiakovo, Kunashir, Kuril Is (USSR).—Distr.: USSR: FE (Kuril Is).
- tibetana** ALEXANDER, 1933: Philipp. J. Sci., 52: 150 (*Hexatoma*). Type-locality: near Tang-gu (China).—Distr.: Asia: China (Sichuan-Tibet border).
- ussuriensis** ALEXANDER, 1934: Philipp. J. Sci., 52: 341 (*Hexatoma*). Type-locality: Bikin, Bikin river, 134°10'E/46°N (USSR).—Distr.: USSR: FE (Amur obl., Primorskiy kray).
- [**verticalis** (WIEDEMANN, 1828): Aussereurop. zweifl. Ins., 1: 56 (*Megistocera*). Type-locality: Java (Indonesia).—Distr.: Asia: ?Japan; widespread in southeast Asia.]
- waterstoni** (EDWARDS, 1921): Ann. Mag. nat. Hist., (9) 8: 83 (*Eriocera*). Type-locality: Rendino gorge, Macedonia (Yugoslavia).—Distr.: Europe: YU.

#### Subgenus HEXATOMA LATREILLE, 1809

- bicolor** (MEIGEN, 1818): Syst. Besch., 1: 209 (*Nematocera*). Type-locality: not given ("aus der Sammlung des Hrn. Baumhauer").—Distr.: Europe: A, AL, B, BG, CH, CS, D, E, F, GB, I, PL, R, YU; USSR: SET (Uk).
- lucidipennis** (CURTIS, 1836): Brit. Ent., 13: 589 (*Peronecera*). Type-locality: Perthshire (Great Britain).
- aequalis** (LOEW, 1865): Z. ges. Naturw., 26: 416 (*Anisomera*). Type-locality: Lombardia (Italy).
- pyrenaica** (BERGROTH, 1907): Bull. Soc. ent. Fr., 1907: 144 (*Anisomera*). Type-locality: Ax-les-Thermes, Ariège (France).
- fuscipennis** (CURTIS, 1836): Brit. Ent., 13: 589 (*Peronecera*). Type-localities: near Ambleside; Low Wood (Great Britain).—Distr.: Europe: A, CS, D, DK, F (incl. Corsica), GB, H, PL, S, SF; USSR: CET (northwest), SET, TC; Asia: Turkey.
- burmeisteri** (LOEW, 1865): Z. ges. Naturw., 26: 419 (*Anisomera*). Type-locality: not given (Poland).
- miki** (NOWICKI, 1869): Rocznik Tow. Nauk. Kraków, (3) 14: 109 (*Anisomera*). Type-locality: coast of Dnjestr river near Zalestshiki, Ternopol obl. (USSR: Uk).
- gaedii** (MEIGEN, 1830): Syst. Besch., 6: 292 (*Anisomera*). Type-locality: near Liège (Belgium).—Distr.: Europe: A, B, CS, D, DDR, E, F (incl. Corsica), I, NL, PL; USSR: SET, TC; Asia: ?Afghanistan; North Africa: Morocco.

- saxonum* (LOEW, 1865): Z. ges. Naturw., **26**: 417 (*Anisomera*). Type-locality: not given [DDR].
- tenuipes* LACKSCHEWITZ, 1940: Annln naturh. Mus. Wien, **50**: 103 (*Hexatoma*, as var. of *gaedii*). Type-locality: Algeciras, Andalusia (Spain).
- japonica* ALEXANDER, 1922: Insecutor Inscit. menstr., **10**: 185 (*Hexatoma*). Type-locality: Gifu, Honshu (Japan).—Distr.: Asia: Japan (Honshu, Shikoku).
- kiangsiana* ALEXANDER, 1937: Notes Ent. chin., **4**: 77 (*Hexatoma*). Type-locality: Kulin, Jiangxi (China).—Distr.: Asia: China (Zhejiang); China (Jiangxi).
- longipes* (LOEW, 1865): Z. ges. Naturw., **26**: 415 (*Anisomera*). Type-locality: Alps.—Distr.: Europe: Alps.
- nigra* LATREILLE, 1809: Gen. Crust. Ins., **4**: 260 (*Hexatoma*). Type-locality: Paris (France).—Distr.: Europe: E, F, I; USSR: ?TC (?Az).
- nubeculosa* (BURMEISTER, 1829): Entom. Arch., **2**(1): 36 (*Nematocera*). Type-localities: Leipzig; Halle [DDR].—Distr.: Europe: A, B, CS, D, DDR, F, I, NL, PL, SF; USSR: CET.
- striata* (FABRICIUS, 1794): Entom. syst., **4**: 238 (*Tipula*). Type-locality: Italy. [A questionable senior synonym.]
- nubeculosa longivena* SAVCHENKO, 1972: Insects of Mongolia, **1**: 729 (*Hexatoma*). Type-locality: middle branch of Podkamennaya Tunguska river, Krasnoyarskiy kray (USSR).—Distr.: USSR: ES (north); Asia: Mongolia.
- obscura* (MEIGEN, 1818): Syst. Besch., **1**: 210 (*Anisomera*). Type-locality: Portugal.—Distr.: Europe: E, P; Asia: Mongolia.
- perproducta* ALEXANDER, 1958: Trans. Shikoku ent. Soc., **6**: 7 (*Hexatoma*). Type-locality: Iwazeki, near Matsuyama, Iyo, Shikoku (Japan).—Distr.: Asia: Japan (Shikoku).
- vittata* (MEIGEN, 1830): Syst. Besch., **6**: 292 (*Anisomera*). Type-locality: not given ("von Hrn. von Winthem", "aus Baumhauer's Sammlung").—Distr.: Europe: A, B, CS, D, DDR, ?S, YU; USSR: CET (northwest).

## Subfamily Eriopterinae

### Tribe Cladurini

#### *Chlonea* DALMAN, 1816

DALMAN, 1816: K. svenska VetenskAkad. Handl., (3) **19**: 102.

Type-species: *Chlonea araneoides* DALMAN, 1816: l.c.: 102 (mon.).

*Sphaeconophilus* BECKER, 1912: see below as subgenus.

## Subgenus CHIONEA DALMAN, 1816

- araneoides** DALMAN, 1816: K. svenska VetenskAkad. Handl., (3) 19: 102 (*Chionea*). Type-locality: not given (Sweden).—Distr.: Europe: A, CH, CS, ?D, I, N, PL, R, S, SF, YU; USSR: NET (west), "Siberia".
- dalmani* LOEW, 1871: Rocznik Tow. Nauk Kraków, 42: 173 (*Chionea*). Type-locality: Mödling near Vienna (Austria). [Synonymy not certain.]
- brevirostris* TAHVONEN, 1932: Notul. ent., 12: 44 (*Chionea*). Type-locality: Jyväskylä (Finland).
- minuta* TAHVONEN, 1932: Notul. ent., 12: 41 (*Chionea*). Type-localities: Toivakka; Jyväskylä (Finland).
- hrabei* KRATOCHVÍL, 1936: Bull. Soc. ent. Fr., 41: 247 (*Chionea*). Type-locality: High Tatra (Czechoslovakia).
- crassipes** BOHEMAN, 1846: Öfvers. K. VetenskAkad. Förh., 1846: 179 (*Chionea*). Type-locality: not given.—Distr.: Europe: N, S, SF; USSR: NET (north), ES (south), FE (Amur obl., Primorskiy kray); Asia: North Korea, Japan (Honshu).
- gracilistyla* ALEXANDER, 1936: Philipp. J. Sci., 60: 187 (*Chionea*). Type-locality: Chiosen, Honshu (Japan).
- kanenoi** SASAKAWA, 1986: Akitu (N.S.), 77: 2 (*Chionea*). Type-locality: Dôsenbô, Minamiyamashiro-mura, Kyoto pref., Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- major** STROBL, 1900: Wiss. Mitt. Bosn. Herzeg., 7: 663 (*Chionea*, as var. of *araneoides* DALMAN). Type-localities: Tarciu; Trebevic (Yugoslavia).—Distr.: Europe: YU. [Subgeneric position not certain.]
- nipponica** ALEXANDER, 1932: Philipp. J. Sci., 49: 127 (*Chionea*). Type-locality: Mt. Tsurugi, Toyama pref., Japanese Alps, Honshu (Japan).—Distr.: USSR: FE (Primorskiy kray); Asia: Japan (Hokkaido, Honshu).
- pusilla** SAVCHENKO, 1983: Limoniidae of south Primorye: 71 (*Chionea*). Type-locality: Kédrovaya Pad, Khasan region, Primorskiy kray (USSR).—Distr.: USSR: FE (Primorskiy kray).
- racovitzai** BURGHELE-BĂLĂCESCO, 1969: Annl. Soc. ent. Fr. (N.S.), 5: 999 (*Chionea*). Type-locality: Scarisoara Glacier (Roumania).—Distr.: Europe: R.

## Subgenus SPHAECONOPHILUS BECKER, 1912

BECKER, 1912: Annl. Soc. ent. Belg., 56: 142 (as genus).

Type-species: *Sphaeconophilus belgicus* BECKER, 1912: l.c.: 142 (mon.).

*Niphadobata* ENDERLEIN, 1936: Tierwelt Mitteleurop., 6(2), Ins., 3(16): 19 (as genus). Type-species: *Chionea lutescens* LUNDSTRÖM, 1907: Acta Soc. Fauna Flora fenn., 29(8): 18 (mon.).

- alpina** BEZZI, 1908: *Societas ent.*, **23**(13): 98 (*Chionea*). Type-locality: Chiareggio, Valmalenco, Sondrio (Italy).—Distr.: Europe: A, CH, D, E, F, I, YU.
- italica* VENTURI, 1956: *Memorie Mus. civ. Stor. nat. Verona*, **5**: 101 (*Chionea*). Type-locality: not given (Appennini liguri, Italy).
- ancae** (MENIER et MATILE, 1976): *Bull. Soc. ent. Fr.*, **81**: 277 (*Niphadobata*). Type-locality: Les Combes, Doubs (France).—Distr.: Europe: F.
- arverna** (BRUNHES, 1986): *Bull. Soc. ent. Fr.*, **91**: 48 (*Niphadobata*). Type-locality: Chaîne des Dômes, Sarcoui, Puy-de-Dôme (France).—Distr.: Europe: F.
- austriaca** (CHRISTIAN, 1980): *Z. Arbgem. öst. Ent.*, **32**: 77 (*Niphadobata*). Type-locality: Schagerhöhle im Mitterkeil, Schwarzenbach/Pielach (Austria).—Distr.: Europe: A.
- belgica** (BECKER, 1912): *Annl. Soc. ent. Belg.*, **56**: 142 (*Sphaeconophilus*). Type-locality: near Francorchamps, Ardennes (Belgium).—Distr.: Europe: B, D, DDR, DK, NL.
- besucheti** (BOURNE, 1979): *Revue suisse Zool.*, **86**: 239 (*Niphadobata*). Type-locality: Forêt de Kesswil, Thurgau (Switzerland).—Distr.: Europe: CH.
- botosaneanui** (BURGHELE-BĂLĂCESCO, 1969): *Annl. Soc. ent. Fr. (N.S.)*, **5**: 995 (*Niphadobata*). Type-locality: Obîrsia Ialomitei, Bucegi Mts (Roumania).—Distr.: Europe: CS, PL, R.
- kratochvili* (BURGHELE-BĂLĂCESCO, 1969): *Annl. Soc. Ent. Fr. (N.S.)*, **5**: 993 (*Niphadobata*). Type-locality: lake Bîlea, Fagarac Mts (Roumania).
- catalonica** (BOURNE, 1979): *Revue suisse Zool.*, **86**: 243 (*Niphadobata*). Type-locality: Grallera Gran de Cornellana, Serra del Cadi (Spain).—Distr.: Europe: E (central Pyrenees).
- jurassica** (BOURNE, 1979): *Revue suisse Zool.*, **86**: 239 (*Niphadobata*). Type-locality: Grotte du Cormoran, Torcieu, Ain (France).—Distr.: Europe: F.
- lutescens** LUNDSTRÖM, 1907: *Acta Soc. Fauna Flora fenn.*, **29**(8): 18 (*Chionea*). Type-localities: Helsinki; Sjundeå; Esbo (Finland).—Distr.: Europe: A, B, BG, CH, CS, D, DDR, DK, E, F, H, I, N, ?NL, PL, R, S, SF, YU; USSR: NET, CET, SET.
- bohemica* KRATOCHVÍL, 1936: *Bull. Soc. ent. Fr.*, **41**: 245 ( (*Chionea*, as var. of *lutescens*). Type-localities: several localities in Czechoslovakia.
- lutescens stelviana** SÜSS, 1982: *Boll. Zool. agr. Bachic.*, (2) **16**: 129 (*Chionea*). Type-locality: S. Antonio Valfurva, Sondrio (Italy).—Distr.: Europe: I.
- pyrenaica** (BOURNE, 1981): *Revue suisse Zool.*, **88**: 765 (*Niphadobata*). Type-locality: Ariège (France).—Distr.: Europe: F (Pyrenees).

**Cladura OSTEN SACKEN, 1860**

OSTEN SACKEN, 1860: Proc. Acad. nat. Sci. Philad., 1859: 229.

Type-species: *Cladura flavoferruginea* OSTEN SACKEN, 1860: l.c.: 229 (mon.); not Palaearctic.

- alpicola** ALEXANDER, 1929: Philipp. J. Sci., 40: 341 (*Cladura*). Type-locality: Mt. Yariga, Japanese Alps, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- alpicola setuliloba** ALEXANDER, 1947: Ann. ent. Soc. Am., 40: 360 (*Cladura*). Type-locality: Mt. Myotaka, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- autumna** ALEXANDER, 1920: Insecutor Inscit. menstr., 8: 137 (*Cladura*). Type-locality: Meguro, Tokyo, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- babai** ALEXANDER, 1955: Bull. Brooklyn ent. Soc., 50: 18 (*Cladura*). Type-locality: Kurokawa, Echigo, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- bicornuta** ALEXANDER, 1955: Ann. ent. Soc. Am., 48: 373 (*Cladura*). Type-locality: Shirahone-onsen, Shinano, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- bidens** ALEXANDER, 1926: Philipp. J. Sci., 31: 369 (*Cladura*). Type-locality: Maruyama, near Sapporo, Ishikari-no-kuni, Hokkaido (Japan).—Distr.: Asia: Japan (Hokkaido, Honshu).
- brevifila** ALEXANDER, 1958: Philipp. J. Sci., 86: 307 (*Cladura*). Type-locality: Mt. Tanigawa, Kotsuke, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- daimio** ALEXANDER, 1947: Ann. ent. Soc. Am., 40: 359 (*Cladura*). Type-locality: Morioka, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- decemnotata** ALEXANDER, 1925: Ann. ent. Soc. Am., 17: 436 (*Cladura*). Type-locality: Aburayama, Chikuzen, Kyushu (Japan).—Distr.: Asia: Japan (Shikoku, Kyushu).
- fuscivena** ALEXANDER, 1955: Ann. ent. Soc. Am., 48: 372 (*Cladura*). Type-locality: Sugadiara, Shinano, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- hakonensis** ALEXANDER, 1947: Ann. ent. Soc. Am., 40: 362 (*Cladura*). Type-locality: Gora, Hakone district, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- hakonensis porrecta** ALEXANDER, 1955: Philipp. J. Sci., 83: 294 (*Cladura*). Type-locality: Omogo valley, Iyo, Shikoku (Japan).—Distr.: Asia: Japan (Shikoku).
- itoi** ALEXANDER, 1955: Bull. Brooklyn ent. Soc., 50: 19 (*Cladura*). Type-locality: Sigakôgen, Shinano, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- japonica** (ALEXANDER, 1918): Ann. ent. Soc. Am., 11: 448 (*Crypteria*). Type-locality: ?Kyoto, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- machidella** ALEXANDER, 1934: Philipp. J. Sci., 55: 50 (*Cladura*). Type-locality: Mt. Hiei, Kyoto, Honshu (Japan).—Distr.: Asia: Japan (Honshu, Shikoku).
- megacauda** ALEXANDER, 1926: Philipp. J. Sci., 31: 370 (*Cladura*). Type-locality: Sapporo, Ishikari-no-kuni, Hokkaido (Japan).—Distr.: USSR: FE (Sakhalin); Asia: Japan (Hokkaido, Honshu).

- microphallus** ALEXANDER, 1955: Philipp. J. Sci., **83**: 296 (*Cladura*). Type-locality: Omogo valley, Iyo, Shikoku (Japan).—Distr.: Asia: Japan (Shikoku).
- monacantha** ALEXANDER, 1947: Ann. ent. Soc. Am., **40**: 363 (*Cladura*). Type-locality: Tottori pref., Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- monacantha fimbriata** ALEXANDER, 1947: Ann. ent. Soc. Am., **40**: 364 (*Cladura*). Type-locality: Gora, Hakone district, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- nipponensis** ALEXANDER, 1920: Insecutor Inscit. menstr., **8**: 136 (*Cladura*). Type-locality: Tokyo, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- recurvalis** ALEXANDER, 1957: Philipp. J. Sci., **85**: 368 (*Cladura*). Type-locality: Kurokawa, Echigo, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- sawanoi** ALEXANDER, 1957: Philipp. J. Sci., **85**: 366 (*Cladura*). Type-locality: Mt. Daisen, Hoki, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- serrimargo** ALEXANDER, 1953: Philipp. J. Sci., **82**: 70 (*Cladura*). Type-locality: Sugitate, Iyo, Shikoku (Japan).—Distr.: Asia: Japan (Shikoku).
- shirahatai** ALEXANDER, 1955: Bull. Brooklyn ent. Soc., **50**: 21 (*Cladura*). Type-locality: Sakata, Uzen, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- shomio** ALEXANDER, 1955: Philipp. J. Sci., **83**: 297 (*Cladura*). Type-locality: Mt. Saragamine, Iyo, Shikoku (Japan).—Distr.: Asia: Japan (Shikoku).
- supernumeraria** ALEXANDER, 1957: Philipp. J. Sci., **85**: 364 (*Cladura*). Type-locality: Kurokawa, Echigo, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- telephallus** ALEXANDER, 1955: Ann. ent. Soc. Am., **48**: 373 (*Cladura*). Type-locality: Oze, Hatomati Toge, Kotsuke, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- tetraspila** ALEXANDER, 1947: Ann. ent. Soc. Am., **40**: 361 (*Cladura*). Type-locality: Gora, Hakone district, Honshu (Japan).—Distr.: Asia: Japan (Honshu, Shikoku).
- trifilosa** ALEXANDER, 1957: Philipp. J. Sci., **85**: 370 (*Cladura*). Type-locality: Kurokawa, Echigo, Honshu (Japan).—Distr.: Asia: Japan (Honshu).

### **Crypteria** BERGROTH, 1913

BERGROTH, 1913: Acta Soc. Fauna Flora fenn., **37**(6): 4.

Type-species: *Crypteria limnophiloides* BERGROTH, 1913: l.c.: 6 (orig. des.).

- limnophiloides** BERGROTH, 1913: Acta Soc. Fauna Flora fenn., **37**(6): 6 (*Crypteria*). Type-localities: Messuby; Pargas (Finland); Rodga; Nobynäs (Sweden).—Distr.: Europe: A, B, BG, CH, CS, D, DDR, DK, F, GB, IRE, N, PL, R, S, SF, YU; USSR: NET (west), CET (west), SET (west), TC (southwest).
- luteipennis** ALEXANDER, 1938: Philipp. J. Sci., **66**: 327 (*Crypteria*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).

**spectralis** ALEXANDER, 1935: Philipp. J. Sci., **56**: 556 (*Crypteria*). Type-locality: Beh-Luh-Din, 30 mi N Chengdu, Sichuan (China).—Distr.: Asia: China (Sichuan).

### Franckomyia ALEXANDER, 1936

ALEXANDER, 1936: Philipp. J. Sci., **60**: 345.

Type-species: *Franckomyia discalis* ALEXANDER, 1936: l.c.: 346 (orig. des.).

**discalis** ALEXANDER, 1936: Philipp. J. Sci., **60**: 346 (*Franckomyia*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).

### Neolimnophila ALEXANDER, 1920

ALEXANDER, 1920: Proc. Calif. Acad. Sci., (4) **10**: 37 (as subgenus of *Limnophila* MACQUART, 1834).

Type-species: *Limnophila ultima* OSTEN SACKEN, 1860: Proc. Acad. nat. Sci. Philad., **1859**: 238 (orig. des.).

*Crypteriella* SOOT-RYEN, 1928: Meddr zool. Mus. Oslo, **14**: 4. Type-species: *Crypteriella sverdrupi* SOOT-RYEN, 1928: l.c.: 6 (orig. des.) [*placida* (MEIGEN, 1830)].

**bergrothi** (KUNTZE, 1919): Dt. ent. Z., **1919**: 366 (*Crypteria*). Type-localities: near Dresden [DDR]; Anina (Roumania); Dauphiné (France); Kärnten (Austria).—Distr.: Europe: A, CS, DDR, F, I, R, YU.

**carteri** (TONNOIR in GOETGHEBUER and TONNOIR, 1921): Bull. Soc. ent. Belg., **3**: 47 (*Crypteria*). Type-localities: Forêt de Soignes; Hockai (Belgium).—Distr.: Europe: A, B, BG, CH, CS, D, DDR, DK, F, GB, I, N, NL, PL, R, S, SF; USSR: NET (southwest), CET (west), SET (west).

*nigrescens* (LACKSCHEWITZ, 1940): Annln naturh. Mus. Wien, **50**: 46 (*Crypteria*, as var. of *carteri*). Type-locality: Musallah [= Musala], Rila (Bulgaria).

**fuscocubitalis** ALEXANDER, 1934: Arkiv Zool., **27**(A)(17): 20 (*Neolimnophila*). Type-locality: Yu-Long-Si (China).—Distr.: Asia: China (Gansu, Sichuan-Tibet border).

**perreducta** ALEXANDER, 1935: Philipp. J. Sci., **57**: 215 (*Neolimnophila*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).

**picturata** ALEXANDER, 1931: Philipp. J. Sci., **44**: 359 (*Neolimnophila*). Type-locality: Mupin, Sichuan (China).—Distr.: Asia: China (Sichuan).

**placida** (MEIGEN, 1830): Syst. Besch., **6**: 275 (*Limnobia*). Type-locality: not given (?near Stolberg [D]).—Distr.: Europe: A, B, CH, CS, D, DDR, F (incl. Corsica), GB, N, NL, PL, S, SF; USSR: NET (incl. Novaya Zemlya), CET



- (northwest), SET (Uk), KZ (north), Siberia in the north to Taymyr and Yakutsk ASSR, in the east to Primorskiy kray and Sakhalin); Asia: Mongolia.
- hyalipennis* (ZETTERSTEDT, 1851): Dipt. scand., 10: 3842 (*Limnobia*). Type-locality: Lärketorp, Östergötland (Sweden).
- sverdrupi* (SOOT-RYEN, 1928): Meddr zool. Mus. Oslo, 14: 6 (*Crypteriella*). Type-locality: Firsøileø [= Four Pillar Is, Medvezhiy island-group, East Siberian sea] (USSR). [Synonymy not certain.]
- ultima** (OSTEN SACKEN, 1860): Proc. Acad. nat. Sci. Philad., 1859: 238 (*Limnophila*). Type-localities: Washington; Maine (USA).—Distr.: USSR: ?FE (?Sakhalin); Asia: Japan; Nearctic Region.
- japonica* (MATSUMURA, 1915): Konchu Bunruigaku, Tokyo, 2: 64 (*Limnobia*). Type-locality: Japan. [See Alexander, 1930: Konowia, 9: 105.]

### Tribe Eriopterini

#### Arctococonopa ALEXANDER, 1955

ALEXANDER, 1955: Misc. Publs Mus. Zool. Univ. Mich., 90: 17 (as subgenus of *Erioptera* MEIGEN, 1803).

Type-species: *Psilococonopa forcipata* LUNDSTRÖM, 1915: Mém. Acad. Sci. Petersb., (8) 29(8): 27 (orig. des.).

- aldrichi** (ALEXANDER, 1924): Proc. U.S. natn. Mus., 64: 4 (*Erioptera*). Type-locality: Valdez, Alaska (USA).—Distr.: USSR: FE (Chukotka, Kamchatka); Nearctic Region.
- australis** SAVCHENKO in SAVCHENKO and RYBIN, 1982: Ent. Obozr., 61: 392 (*Arctococonopa*). Type-locality: near Gulcha (USSR: Ki).—Distr.: USSR: SMA (Ki).
- bifurcata** (ALEXANDER, 1919): Ann. ent. Soc. Am., 12: 338 (*Erioptera*). Type-locality: Meguro, Tokyo, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- forcipata** (LUNDSTRÖM, 1915): Mém. Acad. Sci. Petersb., (8) 29(8): 27 (*Psilococonopa*). Type-locality: Sytychantala, Chara-Ullach Mts, Yakutsk ASSR (USSR).—Distr.: Europe: SF; USSR: NET (northeast), ES (Taymyr), FE (Chukotka, Wrangel Is, Kamchatka); Nearctic Region.
- lapponica* TJEDER, 1972: Acta Soc. Fauna flora fenn., 80: 228 (*Arctococonopa*). Type-locality: Siilaskoski, Lapland (Finland).
- forcipata kostjukovi** SAVCHENKO, 1971: Vestn. zool., 1971(1): 16 (*Arctococonopa*, as species). Type-locality: near Mugur-Aksy, Zagan-Shibetu Mts, Tuva (USSR).—Distr.: USSR: WS (Tuva), FE (Amur obl., Primorskiy kray).
- insulana** SAVCHENKO, 1971: Vestn. zool., 1971(1): 14 (*Arctococonopa*). Type-locality: Ogonki, Aniva district, Sakhalin (USSR).—Distr.: USSR: FE (Sakhalin).

- megaura** (ALEXANDER, 1932): Philipp. J. Sci., **49**: 398 (*Erioptera*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- melampodia** (LOEW, 1873): Beschr. europ. Dipt., **3**: 48 (*Acyphona*). Type-localities: Harz (Germany); Poznań; Silesia (Poland).—Distr.: Europe: A, B, BG, CH, CS, D/DDR (Harz), DK, F, GB, I, N, PL, YU; USSR: CET, SET (Uk, Mo), TC, ES (Krasnoyarskiy kray).
- unicolor* (LACKSCHEWITZ, 1936): Norsk ent. Tidsskr., **4**: 110 (*Ilisia*, as var. of *melampodia*). Type-locality: Nethy Bridge, Inverness, Scotland (Great Britain).
- obscuripes** (ZETTERSTEDT, 1851): Dipt. scand., **10**: 3790 (*Erioptera*). Type-localities: Suul; Kälähög; Christiania [= Oslo] (Norway); Skalstugan; Lulea (Sweden).—Distr.: Europe: N, S, SF; USSR: WS (Tuva), ES, FE (Magadan obl.); ?Nearctic Region.
- umbratica* (STORM, 1898): Norske Selsk. Skrift, **1895**: 232 (*Erioptera*). Type-locality: near Trondheim (Norway). [Synonymy not certain.]
- [*katmai* (ALEXANDER, 1920): Ohio J. Sci., **20**: 195 (*Erioptera*). Type-locality: Savonoski, Naknek Lake, Alaska (USA).] [Synonymy not certain.]
- quadrivittata** (SIEBKE, 1872): Nyt Mag. Naturvid., **19**: 59 (*Erioptera*). Type-locality: "Aaset i Naerheden af Aastaelven" (Norway).—Distr.: Europe: N, S, SF; USSR: ES (Taymyr); Asia: Mongolia.
- taimyrensis** (LACKSCHEWITZ, 1964): Ent. Obozr., **43**: 721 (*Psiloconopa*). Type-locality: Amu-Tarida river, Taymyr, Krasnoyarskiy kray (USSR).—Distr.: USSR: arctic Siberia from Taymyr in the west to Chukotka in the east. [?Conspecific with *kluane* (ALEXANDER, 1955) from the Nearctic Region.]
- zonata** (ZETTERSTEDT, 1851): Dipt. scand., **10**: 3899 (*Limnobia*). Type-locality: Skalstugan (Sweden).—Distr.: Europe: N, S, SF; USSR: NET, CET (north-west), ES (Taymyr), FE (Primorskiy kray); Asia: Mongolia.

### Baeoura ALEXANDER, 1924

ALEXANDER, 1924: Ann. ent. Soc. Am., **17**: 67 (as subgenus of *Erioptera* MEIGEN, 1803).

Type-species: *Erioptera nigrolatera* ALEXANDER, 1920: Ann. Mag. nat. Hist., (9) **6**: 31 (orig. des.); not Palaearctic.

- afghanica** (ALEXANDER, 1954): Ann. Mag. nat. Hist., (12) **7**: 905 (*Cryptolabis*). Type-locality: Schiva, Badakhshan (Afghanistan).—Distr.: Asia: Afghanistan.
- alexanderi** MENDL et TJEDER, 1974: Ent. scand., **5**: 247 (*Baeoura*). Type-locality: Fassatal, W of Chliaro, Crete (Greece).—Distr.: Europe: GR (Crete).
- armata** MENDL, 1985: Articulata, **2**: 196 (*Baeoura*). Type-locality: Mithi, Crete (Greece).—Distr.: Europe: GR (Crete).

- directa** (KUNTZE, 1914): *Annln naturh. Mus. Wien*, **28**: 385 (*Psiloconopa*). Type-locality: Corsica (France) (the same by lectotype des. of STARÝ, 1981).—Distr.: Europe: F (Corsica).
- ebenina** STARÝ, 1981: *Reichenbachia*, **19**: 101 (*Baeoura*). Type-locality: Zanara near Ronda, Andalusia (Spain).—Distr.: Europe: E.
- longefiligera** MENDL, 1986: *Articulata*, **2**: 296 (*Baeoura*). Type-locality: N Rio Almonte, Arroyo de la Vid, Caceres (Spain).—Distr.: Europe: E.
- malickyi** MENDL et TJEDER, 1976: *Ent. scand.*, **7**: 237 (*Baeoura*). Type-locality: Karia, north Thessalia (Greece).—Distr.: Europe: GR (central, Rodhos), R.
- mediofiligera** SAVCHENKO in SAVCHENKO and PLYUSHCH, 1984: *Ent. Obozr.*, **63**: 174 (*Baeoura*). Type-locality: near Varzob, Odzhuk river (USSR: Tj).—Distr.: USSR SMA (Tj, Uz).
- perductilis** (ALEXANDER, 1938): *Philipp. J. Sci.*, **66**: 334 (*Cryptolabis*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- schachti** MENDL, 1986: *Articulata*, **2**: 293 (*Baeoura*). Type-locality: Vargös, SW Yüsekova, Sat Dag, Hakkari (Turkey).—Distr.: Asia: Turkey.
- septentrionalis** (ALEXANDER, 1940): *Philipp. J. Sci.*, **71**: 54 (*Cryptolabis*). Type-locality: Seren Mts (North Korea).—Distr.: USSR: FE (Primorskiy kray); Asia: North Korea.
- szadziewskii** KRZEMIŃSKI et STARÝ, 1984: *Polskie Pismo ent.*, **54**: 359 (*Baeoura*). Type-locality: Tichi near Bejaia (5<sup>0</sup>11'E/36<sup>0</sup>40'N) (Algeria).—Distr.: North Africa: Algeria.

### Beringomyia SAVCHENKO, 1980

SAVCHENKO in SAVCHENKO and PARKHOMENKO, 1980: *Freshwater Fauna of the Far East, Vladivostok*: 99.

Type-species: *Ormosia cata* ALEXANDER, 1940: *Philipp. J. Sci.*, **71**: 57 (orig. des.).

- cata** (ALEXANDER, 1940): *Philipp. J. Sci.*, **71**: 57 (*Ormosia*). Type-locality: Seren Mts (North Korea).—Distr.: Asia: North Korea.
- deprava** (ALEXANDER, 1941): *Philipp. J. Sci.*, **76**: 62 (*Ormosia*). Type-locality: Kamikochi, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- politonigra** SAVCHENKO in SAVCHENKO and PARKHOMENKO, 1980: *Freshwater Fauna of the Far East, Vladivostok*: 103 (*Beringomyia*). Type-locality: coast of Gavriila bay at Orianda lagoon, Beringovskiy district (USSR).—Distr.: USSR: FE (Chukotka).
- prava** (ALEXANDER, 1940): *Philipp. J. Sci.*, **71**: 58 (*Ormosia*). Type-locality: Seren Mts (North Korea).—Distr.: USSR: FE (Primorskiy kray, Sakhalin, Kuril Is); Asia: North Korea.

## Erioptera MEIGEN, 1803

MEIGEN, 1803: Mag. Insektenk., 2: 262.

Type-species: *Erioptera lutea* MEIGEN, 1804: Klass. Beschr., 1: 52 (des. COQUILLET, 1910: Proc. U.S. natn. Mus., 37: 540).

[In the interest of stability and in accordance with usage the authors set aside prior type-designations by BLANCHARD (in AUDION et al.), 1848, and by RONDANI, 1856, that would render *Erioptera* a senior synonym of *Molophilus* CURTIS. Suspension of I.C.Z.N. rules is required to validate COQUILLET's type-species designation; see also ALEXANDER, 1947: Revta Ent., 18: 338, MELVILLE, 1960: Bull. zool. Nom., 18: 30, ALEXANDER, 1969: Trans. Am. ent. Soc., 95: 460.]

*Polymeda* MEIGEN, 1800: Nouve. class.: 14. Type-species: *Erioptera lutea* MEIGEN, 1804: Klass. Beschr., 1: 52 (des. COQUILLET, 1910: Proc. U.S. natn. Mus., 37: 593). [Suppressed by I.C.Z.N., Bull. zool. Nom., 20: Opinion 678.]

*Polyraphia* MEIGEN, 1818: Syst. Beschr., 1: 111. Type-species: *Erioptera taenionota* MEIGEN, 1818: l.c.: 111 (mon.) [= *lutea* MEIGEN, 1804].

*Octavia* BIGOT, 1854: Anns Soc. ent. Fr., (3) 2: 456 and 474. Type-species: *Erioptera taenionota* MEIGEN, 1818: Syst. Beschr., 1: 111 (des. COQUILLET, 1910: Proc. U.S. natn. Mus., 37: 577) [= *lutea* MEIGEN, 1804].

*Chemalida* RONDANI, 1856: Dipt. Ital. Prodromus, 1: 180. Type-species: *Erioptera taenionota* MEIGEN, 1818: Syst. Beschr., 1: 111 (orig. des.) [= *lutea* MEIGEN, 1804].

*Ilisophila* RONDANI, 1856: Dipt. Ital. Prodromus, 1: 180. Type-species: *Erioptera lutea* MEIGEN, 1804: Klass. Beschr., 1: 52 (orig. des.).

*Limnoea* RONDANI, 1856: Dipt. Ital. Prodromus, 1: 181. Type-species: *Tipula flavescens*: MEIGEN, 1804, not LINNAEUS, 1758, misinterpretations (mon.) [= *flavata* WESTHOFF, 1882].

*Limnoica* RONDANI, 1861: Dipt. Ital. Prodromus, 4: 11 (as [unnecessary] new name for *Limnoea* RONDANI, 1856, not a junior homonym of *Limnaea* POLI, 1791). Type-species: *Tipula flavescens*: MEIGEN, 1804, not LINNAEUS, 1758, misinterpretations (aut.) [= *flavata* WESTHOFF, 1882].

*Mesocyphona* OSTEN SACKEN, 1869: see below as subgenus.

*Teleneura* ALEXANDER, 1931: see below as subgenus.

*Meterioptera* ALEXANDER, 1934: see below as subgenus.

*Tasiocerodes* ALEXANDER, 1958: see below as subgenus.

## Subgenus ERIOPTERA MEIGEN, 1803

[*alboguttata* EDWARDS, 1916: Ann. Mag. nat. Hist., (8) 18: 252 (*Erioptera*). Type-locality: Arisan (Taiwan).—Distr.: Asia: Taiwan.]

- alboguttata daisenica** ALEXANDER, 1936: Philipp. J. Sci., **59**: 252 (*Erioptera*). Type-locality: Mt. Daisen, Hoki, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- beckeri** KUNTZE, 1914: Annln naturh. Mus. Wien, **28**: 378 (*Erioptera*). Type-locality: Sellivarge (Sweden).—Distr.: Europe: DK, S, SF; USSR: NET (southwest), CET, WS (Tyumen obl.), ES (Buryat ASSR), FE (Primorskiy kray).
- biaculeata** SAVCHENKO, 1981: Zool. Zh., **60**: 1585 (*Erioptera*). Type-locality: Mjussera, Pizunda nature reserve, Abkhaz ASSR (USSR: Ge).—Distr.: USSR: SET (southeast), TC (northwest).
- bicornifer** ALEXANDER, 1921: Ann. ent. Soc. Am., **14**: 116 (*Erioptera*). Type-locality: Nakano, Honshu (Japan).—Distr.: Asia: Japan (Honshu), North Korea.
- brevirama** ALEXANDER, 1931: Philipp. J. Sci., **44**: 362 (*Erioptera*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- cervula** SAVCHENKO, 1972: Zool. Zh., **51**: 673 (*Erioptera*). Type-locality: near Alekhino, Kunashir, Kuril Is (USSR).—Distr.: USSR: FE (Kuril Is).
- cornuta** SAVCHENKO in SAVCHENKO and PLYUSHCH, 1984: Ent. Obozr., **63**: 176 (*Erioptera*). Type-locality: near Varzob (USSR: Tj).—Distr.: USSR: SMA.
- dama** ALEXANDER, 1958: Philipp. J. Sci., **86**: 324 (*Erioptera*). Type-locality: Kurokawa, Echigo, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- divisa** (WALKER, 1848): List Dipt. Brit. Mus., **1**: 55 (*Limnobia*). Type-locality: England (Great Britain).—Distr.: Europe: A, B, BG, CH, CS, D, DDR, DK, F, GB, I, N, NL, PL, R, S, SF, YU; USSR: NET (southwest), CET (west), SET (west), TC (Ge).
- macrophthalma* LOEW, 1871: Besch. europ. Dipt., **2**: 6 (*Erioptera*). Type-localities: Saltzbrunn; Silesia (Poland); Leningrad (USSR).
- flavata** (WESTHOFF, 1882): Bau Hypopygiums Tipula: 54 (*Trichosticha*, as new name for *Tipula flavescens*: MEIGEN, 1804, not LINNAEUS, 1758, misidentification).—Distr.: Europe: A, AL, B, BG, CH, CS, D, DDR, DK, E, F, GB, ?H, I, IRE, N, NL, PL, R, S, SF, YU; USSR: NET, CET, SET, WS.
- flavescens*: MEIGEN, 1804, not LINNAEUS, 1758, misidentification.
- gemina* TJEDER, 1967: Opusc. ent., **32**: 228 (*Erioptera*, as [unnecessary] new name for *Tipula flavescens*: MEIGEN, 1804, not LINNAEUS, 1758, misidentification).
- flavissima** STARÝ, 1972: Annotnes zool.-bot. Bratisl., **81**: 1 (*Erioptera*). Type-locality: Michurin (Bulgaria).—Distr.: Europe: BG, CS, R.
- flavohumeralis** ALEXANDER, 1924: Philipp. J. Sci., **24**: 582 (*Erioptera*). Type-locality: Toyohara [= Yuzhno-Sakhalinsk], Sakhalin (USSR).—Distr.: USSR: FE (Sakhalin).
- fuscipennis** MEIGEN, 1818: Syst. Besch., **1**: 111 (*Erioptera*). Type-locality: not given (?near Stolberg [D]).—Distr.: Europe: A, B, CH, CS, D, DDR, DK (incl. Faeroes), E, F (incl. Corsica), GB, GR, H, IRE, N, NL, PL, R, S, SF,

- YU; USSR: NET (south), CET, SET, TC (Az); Asia: Iran; North Africa: Morocco, Algeria.
- nigra* MACQUART, 1826: Mém. Soc. Sci. Agric. Lille, **1823-1824**: 163 (*Erioptera*). Type-locality: not given (northern France). [Synonymy not certain.]
- fusculenta* EDWARDS, 1938: Trans. Soc. Br. Ent., **5**: 124 (*Erioptera*). Type-localities: several localities in Herts, Middlesex, Salop, Suffolk, Yorkshire (Great Britain).—Distr.: Europe: BG, CH, CS, D, DDR, DK, F, GB, H, NL, PL, R, S; USSR: CET (Uk), SET (Uk, Mo), TC, SMA (Tu).
- gorgona* SAVCHENKO, 1981: Zool. Zh., **60**: 1587 (*Erioptera*). Type-locality: Kverno-Zakhari on Lekhura river, Yugo Osetinsk AO (USSR: Ge).—Distr.: USSR: TC (Ge).
- griseipennis* MEIGEN, 1838: Syst. Besch., **7**: 23 (*Erioptera*). Type-locality: not given.—Distr.: Europe: A, B, BG, CH, CS, D, DDR, DK, F, GB, H, I, NL, PL, R, S, SF, YU; USSR: NET (southwest), CET (west), SET (west).
- gracilipes* LOEW, 1871: Besch. europ. Dipt., **2**: 7 (*Erioptera*). Type-localities: Silesia; Galicia (Poland).
- haplostyla* ALEXANDER, 1934: Philipp. J. Sci., **54**: 339 (*Erioptera*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- horii* ALEXANDER, 1924: Philipp. J. Sci., **24**: 583 (*Erioptera*). Type-locality: Jozankei, Hokkaido (Japan).—Distr.: USSR: FE (Primorskiy kray, Sakhalin, Kuril Is); Asia: North Korea, Japan (Hokkaido, Honshu, Shikoku).
- mabelanoides* SAVCHENKO, 1972: Zool. Zh., **51**: 671 (*Erioptera*). Type-locality: near Malo-Kurilsk, Shikotan, Kuril Is (USSR).
- juvenilis* ALEXANDER, 1933: Philipp. J. Sci., **50**: 157 (*Erioptera*). Type-locality: Mt. Shirouma, Japanese Alps, Honshu (Japan).—Distr.: Asia: Japan (Honshu), China (Sichuan).
- laticrista* SAVCHENKO, 1977: Trudy biol.-pochv. Inst. DVNC AN SSSR, Vladivostok, (N.S.), **45**(148): 100 (*Erioptera*, as new name for *Erioptera cristata* SAVCHENKO, 1972, a junior primary homonym of *Erioptera cristata* ALEXANDER, 1956).—Distr.: USSR: FE (Primorskiy kray).
- cristata* SAVCHENKO, 1972: Zool. Zh., **51**: 674 (*Erioptera*). Type-locality: Ryabokon peninsula, south coast of lake Khanka, Primorskiy kray (USSR).
- leucosticta* ALEXANDER, 1933: Philipp. J. Sci., **50**: 158 (*Erioptera*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- limbata* LOEW, 1873: Besch. europ. Dipt., **3**: 47 (*Erioptera*). Type-locality: Galicia (Poland).—Distr.: Europe: A, B, BG, CH, CS, D, F, GB, PL, R; USSR: CET (Li), SET (Uk).
- longicauda* LOEW, 1871: Besch. europ. Dipt., **2**: 8 (*Erioptera*). Type-locality: near Kraków (Poland).—Distr.: Europe: ?F, PL. [Subgeneric position not certain.]
- lutea* MEIGEN, 1804: Klass. Besch., **1**: 52 (*Erioptera*). Type-locality: not given (?near Stolberg [D]).—Distr.: Europe: A, B, BG, CH, CS, D, DDR, DK (incl. Faeroes), E, F (incl. Corsica), GB, H, I (incl. Sicily), IRE, L, N, NL, PL, R,

- S, SF, YU; USSR: NET, CET, SET, TC, KZ (southeast), SMA, WS (Altai, Tuva); Asia: Turkey, Israel, ?Iran.
- taenionota* MEIGEN, 1818: Syst. Besch., 1: 111 (*Erioptera*). Type-locality: not given (?near Stolberg [D]).
- analis* ZETTERSTEDT, [1838]: Insecta Lapp.: 830 (*Erioptera*). Type-locality: Björvik, Ofotenfjord (Norway).
- lutea fuscobalterata* ALEXANDER, 1925: Proc. U.S. natn. Mus., 68: 11 (*Erioptera*, as species). Type-locality: Amagu village, Siberia (USSR).—Distr.: USSR: ES (south), FE (Primorskiy kray); Asia: Mongolia, North Korea.
- luteicornis* ALEXANDER, 1930: Philipp. J. Sci., 42: 531 (*Erioptera*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- mediofusca* ALEXANDER, 1940: Philipp. J. Sci., 71: 63 (*Erioptera*). Type-locality: Seren Mts (North Korea).—Distr.: Asia: North Korea.
- meijerei* EDWARDS, 1921: Trans. R. ent. Soc. Lond., 1921: 211 (*Erioptera*). Type-locality: Wicken (Great Britain).—Distr.: Europe: D, GB, I, NL.
- minor* DE MEIJERE, 1920: Tijdschr. Ent., 63: 71 (*Erioptera*). Type-locality: Nieuwersluis (The Netherlands).—Distr.: Europe: CS, D, NL.
- minor distinguenda* STARY, 1983: Annotnes zool.-bot. Bratisl., 154: 10 (*Erioptera*). Type-locality: Turna nad Bodvou, Kosice-vidiek district, Slovakia (Czechoslovakia).—Distr.: Europe: CS, DDR; USSR: CET (By).
- nielseni* DE MEIJERE, 1921: Tijdschr. Ent., 64: 108 (*Erioptera*). Type-locality: Silkeborg (Denmark).—Distr.: Europe: A, B, D, DK, F, GB, I, NL, PL, SF; USSR: CET (northwest).
- affinis* LACKSCHEWITZ, 1925: Arb. NaturfVer. Riga (N.F.), 16: 6 (*Erioptera*). Type-localities: "Leegenschen Laubwalde" [= Liege]; "Paltemoor bei Gawesen" [= ?Baltpurvs near Gavieze] (USSR: La).
- nyblaei* ZETTERSTEDT, [1838]: Insecta Lapp.: 830 (*Erioptera*). Type-locality: Dovre (Norway).—Distr.: Europe: N. [Subgeneric position not certain.]
- orbitalis* ALEXANDER, 1924: Philipp. J. Sci., 24: 584 (*Erioptera*). Type-locality: Sapporo, Hokkaido (Japan).—Distr.: Asia: Japan (Hokkaido); India, Sri Lanka, Indonesia (Sumatra).
- orientalis* BRUNETTI, 1912: Fauna Brit. India, Dipt., 1: 453 (*Erioptera*). Type-locality: Darjeeling (India).—Distr.: Asia: Japan (Honshu, Shikoku), "Korea", China (Shanghai); India, Malaya.
- dictenidia* ALEXANDER, 1921: Ann. ent. Soc. Am., 14: 115 (*Erioptera*). Type-locality: Shibuya, Tokyo, Honshu (Japan).
- pallidivena* ALEXANDER, 1938: Philipp. J. Sci., 67: 161 (*Erioptera*). Type-locality: Chonsani, Paiktusan (North Korea).—Distr.: USSR: ?FE (?Primorskiy kray); Asia: North Korea.
- pederi* TJEDER, 1969: Opusc. ent., 34: 253 (*Erioptera*). Type-locality: Ransvik Kullaberg, Skåne (Sweden).—Distr.: Europe: A, D, CS, R, S; USSR: SMA (Tj, Ki).

- phoinix** SAVCHENKO, 1972: Zool. Zh., **51**: 676 (*Erioptera*). Type-locality: Archivan, Astara district, Talysh (USSR: Az).—Distr.: USSR: TC (southeast).
- quadrihamata** SAVCHENKO, 1972: Zool. Zh., **51**: 677 (*Erioptera*). Type-locality: Magdagachi, Amur obl. (USSR).—Distr.: USSR: FE (south).
- sexaculeata** ALEXANDER, 1940: Philipp. J. Sci., **71**: 64 (*Erioptera*). Type-locality: Seren Mts (North Korea).—Distr.: USSR: FE (Primorskiy kray); Asia: North Korea.
- sordida** ZETTERSTEDT, [1838]: Insecta Lapp.: 829 (*Erioptera*). Type-localities: Björkvik (Norway); Härnösand (Sweden) (the first by lectotype des. of TJEDER, 1973).—Distr.: Europe: A, CS, D, DK, F, GB, N, PL, R, S, SF; USSR: NET (southwest), CET (west), SET (west), ES (Buryat ASSR), FE (Sakhalin, Kuril Is).
- flavipennis* STAEGER, 1840: Naturh. Tidsskr., **3**: 55 (*Erioptera*). Type-locality: not given (Denmark).
- riedeli* LACKSCHEWITZ, 1925: Arb. NaturfVer. Riga (N.F.), **16**: 5 (*Erioptera*). Type-locality: Amboten [= Embute] (USSR: La).
- squalida** LOEW, 1871: Besch. europ. Dipt., **2**: 5 (*Erioptera*). Type-localities: Halle (DDR); Silesia (Poland).—Distr.: Europe: A, B, CS, D, DDR, DK, E, GB, ?I, NL, PL, R, S, SF; USSR: NET (southwest), CET (west), SET (southwest).
- sudetica** KOLENATI, 1860: Wien. ent. Mschr., **4**: 392 (*Erioptera*). Type-locality: sources of Knoblauchwasser [= Cesnekovy brook], Altvater [= Praded], Moravia (Czechoslovakia).—Distr.: Europe: CS. [Subgeneric position not certain.]
- tenuirama** SAVCHENKO, 1972: Zool. Zh., **51**: 677 (*Erioptera*). Type-locality: near Lodiziri, near Goderdzi pass, Arsian Mts, Adzhar ASSR (USSR: Ge).—Distr.: Europe: CS; USSR: SET (southeast), TC (west).
- tordi** TJEDER, 1973: Ent. scand., **4**: 111 (*Erioptera*). Type-locality: Sångån, Leksand, Dalecarlia (Sweden).—Distr.: Europe: S; USSR: FE (Kuril Is).
- transmarina** BERGROTH, 1889: Wien. ent. Ztg., **8**: 114 (*Erioptera*). Type-locality: Algeria.—Distr.: North Africa: Morocco, Algeria. [Subgeneric position not certain.]
- verralli** EDWARDS, 1921: Trans. R. ent. Soc. Lond., **1921**: 212 (*Erioptera*). Type-locality: Dovedale (Great Britain).—Distr.: Europe: A, B, CH, CS, D, GB, I, PL, R; USSR: SET (Carpathians).
- nigripalpis* GOETGHEBUER in GOETGHEBUER and TONNOIR, 1920: Bull. Soc. ent. Belg., **2**: 141 (*Erioptera*). Type-locality: Forêt de Soignes, Brussels district (Belgium). [A junior primary homonym of *Erioptera nigripalpis* DE MEIJERE, 1913.]
- xanthoptera** ALEXANDER, 1924: Philipp. J. Sci., **24**: 582 (*Erioptera*). Type-locality: Konuma [= Novo-Alexandrovsk], Sakhalin (USSR).—Distr.: USSR: FE (Sakhalin, Kuril Is); Asia: Japan (Honshu).
- holoxantha* ALEXANDER, 1936: Philipp. J. Sci., **60**: 190 (*Erioptera*). Type-locality: Iwate-gun, Iwate pref., Honshu (Japan). [Synonymy not certain.]



## Subgenus MESOCYPHONA OSTEN SACKEN, 1869

OSTEN SACKEN, 1869: *Smithson. misc. Collns*, 8(219): 152 (as subgenus of *Erioptera* MEIGEN, 1803).

Type-species: *Erioptera caliptera* SAY, 1823: *J. Acad. nat. Sci. Philad.*, 3: 17 (des. BRUNETTI, 1912: *Fauna Brit. India, Dipt.*, 1: 458); not Palearctic.

**bivittata** (LOEW, 1873): *Beschr. europ. Dipt.*, 3: 41 (*Rhypholophus*). Type-localities: Harz (Germany); Silesia; Poznań; Galicia (Poland).—Distr.: Europe: A, BG, CS, D, DDR, DK, F, GB, H, I, NL, PL, R, S; USSR: NET (west), CET (west), SET (west), TC (Az), KZ (Zailiyskiy Alatau), SMA (Ki), WS (south), ES (south), FE (Primorskiy kray); Asia: Iran, Mongolia.

*chankana* (ALEXANDER, 1934): *Philipp. J. Sci.*, 52: 344 (*Ormosia*). Type-locality: Kamen-Rybolov, lake Chanka, Primorskiy kray (USSR).

**conica** (SAVCHENKO, 1972): *Vestn. zool.*, 1972(5): 29 (*Mesocyphona*). Type-locality: 8 km W Zangelan river, Zangelan district (USSR: Az).—Distr.: USSR: TC (Az), SMA (Ki).

**fossarum** (LOEW, 1873): *Beschr. europ. Dipt.*, 3: 51 (*Mesocyphona*). Type-locality: Meseritz [= Miedzyrzecz] (Poland).—Distr.: Europe: CS, H, PL, R; USSR: SET (Uk).

**horrida** (LACKSCHEWITZ, 1964): *Ent. Obozr.*, 43: 719 (*Mesocyphona*). Type-locality: Dudinka, Krasnoyarskiy kray (USSR).—Distr.: USSR: ES (Krasnoyarskiy kray). [By THEOWALD, 1971: *Beaufortia*, 19: 55, as *Erioptera* (*Symplecta*) *novaezembiae horrida*.]

**lilliputina** (SAVCHENKO, 1972): *Vestn. zool.*, 1972(5): 30 (*Mesocyphona*). Type-locality: near Chardzhou (USSR: Tu).—Distr.: USSR: SMA (Tu).

**minuta** (LACKSCHEWITZ, 1940): *Annln naturh. Mus. Wien*, 50: 36 (*Mesocyphona*). Type-locality: not given.—Distr.: Europe: ?A.

**spinifera** (SAVCHENKO, 1972): *Vestn. zool.*, 1972(5): 28 (*Mesocyphona*). Type-locality: near Erzin, floodplain of Tes-khem river, Tuva (USSR).—Distr.: USSR: WS (Tuva).

**testacea** (LACKSCHEWITZ, 1964): *Ent. Obozr.*, 43: 720 (*Mesocyphona*). Type-locality: Halcha, Tuin-Gol river (Mongolia).—Distr.: USSR: WS (Tuva); Asia: Mongolia. [By THEOWALD, 1971: *Beaufortia*, 19: 54, as *Erioptera* (*Symplecta*) *stictica testacea*.]

## Subgenus METERIOPTERA ALEXANDER, 1934

ALEXANDER, 1934: *Philipp. J. Sci.*, 53: 462 (as subgenus of *Erioptera* MEIGEN, 1803).

Type-species: *Erioptera javanensis* DE MEIJERE, 1911: *Tijdschr. Ent.*, 54: 45 (orig. des.); not Palearctic.

**insignis** EDWARDS, 1916: Ann. Mag. nat. Hist., (8) 18: 251 (*Erioptera*). Type-locality: Arisan (Taiwan).—Distr.: Asia: Japan (Honshu); Taiwan.

#### Subgenus TASIOCERODES ALEXANDER, 1958

ALEXANDER, 1958: Philipp. J. Sci., 86: 321 (as subgenus of *Erioptera* MEIGEN, 1803).

Type-species: *Erioptera persessilis* ALEXANDER, 1958: l.c.: 321 (orig. des.).

**persessilis** ALEXANDER, 1958: Philipp. J. Sci., 86: 321 (*Erioptera*). Type-locality: Kurokawa, Echigo, Honshu (Japan).—Distr.: Asia: Japan (Honshu).

#### Subgenus TELENEURA ALEXANDER, 1931

ALEXANDER, 1931: Philipp. J. Sci., 46: 286 (as subgenus of *Erioptera* MEIGEN, 1803).

Type-species: *Erioptera fusca* DE MEIJERE, 1913: Tijdschr. Ent., 56: 351 (orig. des.); not Palaearctic.

**leucopoda** ALEXANDER, 1932: Philipp. J. Sci., 49: 399 (*Erioptera*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).

**luteiclavata** ALEXANDER, 1932: Philipp. J. Sci., 49: 400 (*Erioptera*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).

**perlugubris** ALEXANDER, 1940: Philipp. J. Sci., 71: 195 (*Erioptera*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).

**perornata** ALEXANDER, 1934: Philipp. J. Sci., 53: 292 (*Erioptera*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).

#### Gonempeda ALEXANDER, 1924

ALEXANDER, 1924: Proc. U.S. natn. Mus., 64: 8 (as subgenus of *Erioptera* MEIGEN, 1803).

Type-species: *Limnobia flava* SCHUMMEL, 1829: Beitr. Ent., Breslau, 1: 148 (orig. des.).

**armata** SAVCHENKO, 1971: Dopov. Akad. Nauk ukr. RSR (B), 1971: 949 (*Gonempeda*). Type-locality: near Lysogorsk, Lachin district, Karabakhsk AO (USSR: Az).—Distr.: USSR: TC (Az).

**flava** (SCHUMMEL, 1829): Beitr. Ent., Breslau, 1: 148 (*Limnobia*). Type-locality: ?near Wrocław (Poland).—Distr.: Europe: A, B, BG, CH, CS, D, DDR, DK, F, GB, IRE, NL, PL, R, S; USSR: CET (west), SET (west).

### **Gonomyodes** ALEXANDER, 1948

ALEXANDER, 1948: Am. Midl. Nat., 39: 78 (as subgenus of *Erioptera* MEIGEN, 1803).

Type-species: *Erioptera knowltonia* ALEXANDER, 1948: l.c.: 78 (orig. des.); not Palaearctic.

**similissima** SAVCHENKO, 1980: Vestn. zool., 1980(1): 20 (*Gonomyodes*). Type-locality: Talgar gorge, Zailiyskiy Alatau (USSR).—Distr.: USSR: KZ (Zailiyskiy Alatau).

### **Hesperoconopa** ALEXANDER, 1948

ALEXANDER, 1948: Am. Midl. Nat., 39: 76 (as subgenus of *Erioptera* MEIGEN, 1803).

Type-species: *Gnophomyia aperta* COQUILLET, 1905: JI N.Y. ent. Soc., 13: 58 (orig. des.); not Palaearctic.

**acutistyla** SAVCHENKO, 1980: Vestn. zool., 1980(1): 22 (*Hesperoconopa*). Type-locality: Sernovodsk, Kunashir, Kuril Is (USSR).—Distr.: USSR: FE (Kuril Is).

### **Scleroprocta** EDWARDS, 1938

EDWARDS, 1938: Trans. Soc. Br. Ent., 5: 137 (as subgenus of *Ormosia* RONDANI, 1856).

Type-species: *Ormosia danica* NIELSEN, 1923: Vidensk. Meddr dansk naturh. Foren., 76: 111 (orig. des.) [= *sororcula* (ZETTERSTEDT, 1851)].

**acifurca** SAVCHENKO, 1979: Dokl. Akad. Nauk ukr. RSR (B), 1979: 771 (*Scleroprocta*). Type-locality: Avadkhara, Gagrinskiy Mts, Abkhaz ASSR (USSR: Ge).—Distr.: USSR: TC (northwest).

**balcanica** STARÝ, 1976: Annotnes zool.-bot. Bratisl., 112: 1 (*Scleroprocta*). Type-locality: Pirin, Popina laka, Begovica stream (Bulgaria).—Distr.: Europe: BG, YU.

- cinctifer** (ALEXANDER, 1919): Ann. ent. Soc. Am., **12**: 336 (*Ormosia*). Type-locality: Meguro, Tokyo, Honshu (Japan).—Distr.: USSR: FE (Primorskiy kray, Sakhalin, Kuril Is); Asia: Japan (Honshu, Shikoku).
- hexacantha** (ALEXANDER, 1970): Trans. Shikuko ent. Soc., **10**: 76 (*Ormosia*). Type-locality: Hirugano, Mino, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- latiprocta** SAVCHENKO, 1973: Ent. Obozr., **52**: 461 (*Scleroprocta*). Type-locality: near Toki, Aspindsk district, Dzhavachet Mts (USSR: Ge).—Distr.: USSR: TC (Ge).
- pentagonalis** (LOEW, 1873): Berl. ent. Z., **17**: 35 (*Rhypholophus*). Type-locality: not given (1873: Besch. europ. Dipt., **3**: 46: Poznań, Silesia (Poland), Herkulesbad [= Baile Herculane], Orsova (Roumania)).—Distr.: Europe: A, B, BG, CH, CS, D, DDR, DK, F, GB, H, I, NL, PL, R, S; USSR: SET (UK), KZ (southeast).
- sororcula** (ZETTERSTEDT, 1851): Dipt. scand., **10**: 3888 (*Limnobia*). Type-locality: Mulfjellet (Sweden).—Distr.: Europe: A, CH, CS, D, DK, F, GB, I, N, NL, PL, R, S, SF; USSR: CET (Li, southwest), SET (UK).
- danica* (NIELSEN, 1923): Vidensk. Meddr dansk naturh. Foren., **76**: 111 (*Ormosia*). Type-localities: Jelling; Aabenraa (Denmark).

### **Styringomyia** LOEW, 1845

- LOEW, 1845: Öffentl. K. Friedrich-Wilhelms Gymnasium zu Posen, **1845**: 6.  
Type-species: *Styringomyia venusta* LOEW, 1845: l.c.: 6 (orig. des.) (fossil).
- Styringia* BERENDT, 1845: Bernst. befindl. organ. Reste Vorwelt, **1**(2): 57, unjustified emendation.
- Mesomyites* COCKERELL, 1917: Proc. U.S. natn. Mus., **52**: 377 (fossil). Type-species: *Mesomyites concinnus* COCKERELL, 1917: l.c.: 377 (orig. des.) (fossil).
- angustipennis** ALEXANDER, 1936: Philipp. J. Sci., **60**: 356 (*Styringomyia*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- formosana** EDWARDS, 1914: Trans. R. ent. Soc. Lond., **1914**: 219 (*Styringomyia*). Type-localities: Tainan; Koshun (Taiwan).—Distr.: Asia: Japan (Honshu); Taiwan.
- nipponensis** ALEXANDER, 1929: Philipp. J. Sci., **40**: 345 (*Styringomyia*). Type-locality: Asahara, Honshu (Japan).—Distr.: USSR: FE (Kuril Is); Asia: Japan (Honshu, Shikoku); Taiwan.
- omeiensis** ALEXANDER, 1935: Philipp. J. Sci., **56**: 367 (*Styringomyia*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- siberiensis** ALEXANDER, 1935: Philipp. J. Sci., **56**: 366 (*Styringomyia*). Type-locality: Vinogradovka, Primorskiy kray (USSR).—Distr.: USSR: FE (Primorskiy kray).

**sinensis** ALEXANDER, 1930: Philipp. J. Sci., 43: 533 (*Styringomyia*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan); Taiwan.

### **Symplecta** MEIGEN, 1830

MEIGEN, 1830: Syst. Besch., 6: 282.

Type-species: *Limnobia punctipennis* MEIGEN, 1818: Syst. Besch., 1: 147 (des. WESTWOOD, 1840: Synopsis: 128) [= *hybrida* (MEIGEN, 1804)].

*Helobia* LEPELETIER et SERVILLE in LATREILLE et al., 1828: Encycl. meth. (Ins.), (2) 10: 585. Type-species: *Limnobia punctipennis* MEIGEN, 1818: Syst. Besch., 1: 147 (mon.) [= *hybrida* (MEIGEN, 1804)]. [A junior homonym of *Helobia* STEPHENS, 1827.]

*Kowarzia* THALHAMMER, 1900: Fauna Reg. Hung., 3, Dipt.: 19. Type-species: *Symplecta grata* LOEW, 1873: Besch. europ. Dipt., 3: 53 (mon.).

*Psiloconopa* ZETTERSTEDT, 1838: see below as subgenus.

*Trimicra* OSTEN SACKEN, 1861: see below as subgenus.

*Podoneura* BERGROTH, 1888: see below as subgenus.

*Hoploeriptera* ALEXANDER, 1953: see below as subgenus.

### Subgenus HOPLOERIOPTERA ALEXANDER, 1953

ALEXANDER, 1953: Philipp. J. Sci., 82: 171 (as subgenus of *Erioptera* MEIGEN, 1803).

Type-species: *Erioptera shikokuensis* ALEXANDER, 1953: l.c.: 171 (orig. des.).

**honshuensis** (ALEXANDER, 1958): Philipp. J. Sci., 86: 323 (*Erioptera*). Type-locality: Mt. Amakazari, Echigo, Honshu (Japan).—Distr.: Asia: Japan (Honshu).

**luctuosipes** ALEXANDER, 1953: Philipp. J. Sci., 82: 172 (*Symplecta*). Type-locality: Nisigawa to Yanase, Tosa, Shikoku (Japan).—Distr.: Asia: Japan (Shikoku).

**shikokuensis** ALEXANDER, 1953: Philipp. J. Sci., 82: 171 (*Symplecta*). Type-locality: Mt. Tsurugi, Awa, Minokosi, Shikoku (Japan).—Distr.: Asia: Japan (Shikoku).

Subgenus *PODONEURA* BERGROTH, 1888

BERGROTH, 1888: Ent. Tidskr., 9: 133 (as genus).

Type-species: *Podoneura anthracogramma* BERGROTH, 1888: l.c.: 133 (mon.); not Palearctic.

**peregrinator** (ALEXANDER, 1944): Proc. R. ent. Soc. Lond. (B), 13: 79 (*Erioptera*). Type-locality: Minusinsk, S of Krasnoyarsk (USSR).—Distr.: USSR: ? NET (?Komi ASSR), SMA (Ki), Siberia from Tyumen obl. and Yakutsk ASSR in the north to Minusinsk in the south (WS, ES).

**punctigera** (LACKSCHEWITZ, 1964): Ent. Obozr., 43: 719 (*Podoneura*). Type-locality: Minusinsk, Krasnoyarskiy kray (USSR).

Subgenus *PSILOCONOPA* ZETTERSTEDT, 1838

ZETTERSTEDT, [1838]: Insecta Lapp.: 847 (as genus).

Type-species: *Psiloconopa meigeni* ZETTERSTEDT, [1838]: l.c.: 847 (mon.).

*Symplectomorpha* MIK, 1886: Wien. ent. Ztg, 5: 318 (as genus). Type-species: *Limnobia stictica* MEIGEN, 1818: Syst. Besch., 1: 148 (orig. des.).

*Pseuderioptera* ALEXANDER, 1975: JI N.Y. ent. Soc., 83: 123 (as subgenus of *Erioptera* MEIGEN, 1803). Type-species: *Erioptera schmidi* ALEXANDER, 1975: l.c.: 123 (orig. des.) [= *alexanderi* (SAVCHENKO, 1973)].

[The taxonomic position of a number of *Psiloconopa* species described by ALEXANDER is uncertain because in many cases it is not stated whether the species possess a hypopygium inversum.]

**alexanderi** (SAVCHENKO, 1973): Dopov. Akad. Nauk ukr. RSR (B), 1973: 569 (*Erioptera*). Type-locality: lower reaches of Akra-Chaj river, Zangelan district (USSR: Az).—Distr.: Europe: R; USSR: TC (southeast); Asia: Iran.

**schmidi** (ALEXANDER, 1975): JI N.Y. ent. Soc., 83: 123 (*Erioptera*). Type-locality: Dashte Maghan (Iran).

**bergrothi** (STROBL, 1898): Mitt. naturw. Ver. Steierm., 34: 296 (*Psiloconopa*). Type-locality: near Steinbrück (Austria).—Distr.: Europe: A.

**beringiana** SAVCHENKO, 1979: Dopov. Akad. Nauk ukr. RSR (B), 1979: 1053 (*Symplecta*). Type-locality: Uelen, Chukotka (USSR).—Distr.: USSR: FE (Chukotka).

**cancriformis** (ALEXANDER, 1975): JI N.Y. ent. Soc., 83: 125 (*Erioptera*). Type-locality: Durbadam (Iran).—Distr.: Asia: Iran. [Subgeneric position not certain.]

**carsoni** (ALEXANDER, 1955): Misc. Publs Mus. Zool. Univ. Mich., 90: 21 (*Erioptera*). Type-locality: banks of the Chatanika river, Steese highway, Alaska (USA).—Distr.: USSR: FE (Chukotka); Nearctic Region.

- gobiensis** (ALEXANDER, 1921): Bull. Mus. natn. Hist. nat. Paris, (1) 27: 303 (*Erioptera*). Type-locality: Cha-Tché ou, Pa-hou-lian, Inner Mongolia (China).—Distr.: Asia: China (Inner Mongolia).
- laudatrix** (ALEXANDER, 1947): Ann. ent. Soc. Am., 40: 364 (*Erioptera*). Type-locality: Gifu, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- lindrothi** (TJEDER, 1955): Opusc. ent., 20: 226 (*Erioptera*). Type-locality: Likenäs (Sweden).—Distr.: Europe: S.
- meigeni** (ZETTERSTEDT, [1838]): Insecta Lapp.: 847 (*Psiloconopa*). Type-localities: several localities in Lapland (Norway, Sweden).—Distr.: Europe: A, CS, GB, N, R, S, SF; USSR: NET, WS (Polar Ural, Altai), ES (Taymyr, Krasnoyarskiy kray).
- nigrohalterata** (ALEXANDER, 1958): Trans. Shikoku ent. Soc., 6: 8 (*Erioptera*). Type-locality: Matsuyama, Iyo, Shikoku (Japan).—Distr.: Asia: Japan (Shikoku).
- propensa** (ALEXANDER, 1935): Philipp. J. Sci., 57: 222 (*Erioptera*). Type-locality: Chengdu, Sichuan (China).—Distr.: Asia: China (Sichuan).
- pusilla** (SCHINER, 1865): Verh. zool.-bot. Ges. Wien, 15: 995 (*Gnophomyia*). Type-locality: Brigittenau (Austria).—Distr.: Europe: A, BG, CS, D, GB, PL, R, YU; USSR: SET (Bukovina).
- stictica** (MEIGEN, 1818): Syst. Besch., 1: 148 (*Limnobia*). Type-locality: not given (?near Stolberg [D]).—Distr.: Europe: A, AL, B, BG, CH, CS, D, DDR, DK, E, F (incl. Corsica), GB, GR (incl. Samos), H, I, IRE, N, NL, PL, R, S, SF, YU; USSR: NET (south), CET, SET, TC, SMA (Kopet Dag); Asia: Turkey, Israel, Iran, Afghanistan; Nearctic Region.
- similis* (SCHUMMEL, 1829): Beitr. Ent., Breslau, 1: 156 (*Limnobia*). Type-locality: near Wrocław (Poland).
- tridenticulata** (ALEXANDER, 1934): Arkiv Zool., 27(A)(17): 21 (*Erioptera*). Type-locality: Kung-tze-tagga, Tsaluk valley, Min Mts, Gansu (China).—Distr.: Asia: China (Gansu).
- trilaciniata** SAVCHENKO, 1982: Vestn. zool., 1982(2): 70 (*Symplecta*). Type-locality: bank of Shchutchja river, Tyumen obl. (USSR).—Distr.: USSR: WS (Tyumen obl.).
- verna** (ALEXANDER, 1920): Insecutor Inscit. menstr., 8: 135 (*Psiloconopa*). Type-locality: Tamagawa, Tokyo, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- yasumatsui** (ALEXANDER, 1954): Mushi, 27: 31. (*Erioptera*). Type-locality: Tungyehchen, Shanxi (China).—Distr.: Asia: China (Shanxi).

## Subgenus SYMPLECTA MEIGEN, 1830

- chosenensis** (ALEXANDER, 1940): Philipp. J. Sci., **71**: 67 (*Erioptera*). Type-locality: Seren Mts (North Korea).—Distr.: Europe: CS, R; USSR: SMA (Ki, Uz), ES, FE (Primorskiy kray); Asia: Mongolia, North Korea, China (north, west).
- mongolica* (LACKSCHEWITZ, 1964): Ent. Obozr., **43**: 718 (*Helobia*). Type-locality: Halcha, Tuin-Gol river (Mongolia).
- elongata** LOEW, 1874: Z. ges. Naturw., **43**: 414 (*Symplecta*). Type-locality: Schahrud (Iran).—Distr.: Asia: Iran. [Subgeneric position not certain.]
- grata** LOEW, 1873: Besch. europ. Dipt., **3**: 53 (*Symplecta*). Type-locality: Neusiedler See (Austria).—Distr.: Europe: A, CS, I (Sicily), R; USSR: SET (Donetsk hills, Crimea), SMA; Nearctic Region.
- [*hardyi* (ALEXANDER, 1948): Am. Midl. Nat., **39**: 68 (*Erioptera*). Type-locality: Junction, Utah (USA)].
- hybrida** (MEIGEN, 1804): Klass. Besch., **1**: 57 (*Limonia*). Type-locality: not given (?near Stolberg [D]).—Distr.: Europe: A, B, BG, CH, CS, D, DDR, DK, E, F (incl. Corsica), GB, H, I (incl. Sicily), IRE, IS, N, NL, PL, R, S, SF, YU; USSR: NET, CET, SET, TC, SMA, KZ, WS, ES (incl. Kotelnii Is), FE; North Africa: Morocco, Algeria, Egypt; Asia: Israel, Lebanon, Iran, Afghanistan, China (as far south as Tibet and Sichuan), North Korea, Japan; Azores; Oriental and Nearctic Regions.
- punctipennis* (MEIGEN, 1818): Syst. Besch., **1**: 147 (*Limnobia*). Type-locality: not given (?near Stolberg [D]).
- intermedia** (LACKSCHEWITZ, 1964): Ent. Obozr., **43**: 717 (*Helobia*). Type-locality: Turkhanovo near Kanin Nos, Arkhangelsk obl. (USSR).—Distr.: USSR: NET (north), WS (Altai), ES (north), FE (Magadan obl.); Asia: ?Mongolia.
- novaezemiae** (ALEXANDER, 1922): Results Norw. Exped. Novaya Zemlya, 1921, **5**: 5 (*Psiloconopa*). Type-locality: Pomorskaya bay, Matotchkin strait, Novaya Zemlya (USSR).—Distr.: USSR: NET (Yugorskiy peninsula, Novaya Zemlya), ES (Taymyr).
- novaezemiae mabelana** (ALEXANDER, 1955): Misc. Publs Mus. Zool. Univ. Mich., **90**: 25 (*Erioptera*, as species). Type-locality: Lake creek, Yukon (Canada).—Distr.: USSR: FE (Kamchatka, Sakhalin); Nearctic Region.
- novaezemiae scotica** (EDWARDS, 1938): Trans. Soc. Br. Ent., **5**: 127 (*Erioptera*, as species). Type-locality: Dingwall, Ross, Scotland (Great Britain).—Distr.: Europe: GB, N, S, SF; USSR: NET (Kola peninsula); Nearctic Region.
- sheldoni** (ALEXANDER, 1955): Misc. Publs Mus. Zool. Univ. Mich., **90**: 28 (*Erioptera*). Type-locality: Teklanika river, McKinley national park, Alaska (USA).—Distr.: USSR: FE (Chukotka); Nearctic Region.
- tripilata** (ALEXANDER, 1957): Ann. Mag. nat. Hist., (12) **10**: 296 (*Erioptera*). Type-locality: Talas, Kashmir (India).—Distr.: USSR: SMA (Ki); Asia: India.



## Subgenus TRIMICRA OSTEN SACKEN, 1861

OSTEN SACKEN, 1861: Proc. Acad. nat. Sci. Philad., 1861: 290 (as genus).

Type-species: *Trimicra anomala* OSTEN SACKEN, 1861: l.c.: 290 (mon.) [= *pilipes* (FABRICIUS, 1787)].

- pilipes** (FABRICIUS, 1787): Mantissa insect., 2: 324 (*Tipula*). Type-locality: Kiel [D].—Distr.: Europe: A, B, CS, D, DDR, DK, E, F (incl. Corsica), GB, IRE, N, NL, PL, R, S, SF, YU; USSR; NET, CET, SET (Uk), WS, ES, FE (Primorskiy kray); Asia: Israel, Saudi Arabia, Mongolia; North Africa: Morocco, Algeria, Egypt; Azores, Madeira, Canary Is; cosmopolitan.
- fimbriata* (MEIGEN, 1818): Syst. Besch., 1: 132 (*Limnobia*). Type-locality: not given (?near Stolberg [D]).
- umbripennis* (SCHUMMEL, 1829): Beitr. Ent., Breslau, 1: 148 (*Limnobia*). Type-locality: near Wrocław (Poland).
- brunnipennis* (MACQUART, 1834): Hist. nat. Ins., Dipt., 1: 106 (*Limnobia*). Type-locality: Lorraine (France).
- hirsutipes* (MACQUART in WEBB and BERTHELOT, 1839): Hist. nat. Iles Canaries, 2(2): 101 (*Limnobia*). Type-locality: not given (Canary Is).
- haligena* (WOLLASTON, 1858): Ann. Mag. nat. Hist., (3) 1: 114 (*Limnobia*). Type-locality: Porto Santo and southern Dezerta (Madeira).
- andalusiaca* (STROBL, 1900): Wien. ent. Ztg, 19: 213 (*Trimicra*). Type-locality: Algeciras (Spain).
- marina* (PIERRE, 1924): Encycl. ent. (B II) Dipt., 1: 88 (*Psiloconopa*). Type-locality: Slack, Ambleteuse near Wimereux, Pas de Calais (France).
- pauliani* (SÉGUY, 1942): Bull. Lab. marit. Dinard, 24: 77 (*Molophilus*). Type-localities: several littoral localities in Ille-et-Vilaine (France).
- [See for additional synonyms: ALEXANDER, 1962: Opusc. zool., 61: 1-5 and 1962: Pacif. Insects, 4: 939-941.]

## Tribe Molophilini

**Chellotrichia** ROSSI, 1848

ROSSI, 1848: Verz. österreich. Dipt.: 12.

Type-species: *Erioptera imbuta* MEIGEN, 1818: Syst. Besch., 1: 114 (mon.).  
*Empeda* OSTEN SACKEN, 1869: see below as subgenus.

## Subgenus CHEILOTRICHIA ROSSI, 1848

- aemula** SAVCHENKO, 1974: Dopov. Akad. Nauk ukr. RSR (B), 1974: 943 (*Cheilotrichia*). Type-locality: near Shapsugskoe, Abinsk district, Krasnodarskiy kray (USSR).—Distr.: USSR: SET (southeast).
- cinerea** (STROBL, 1898): Mitt. naturw. Ver. Steierm., 34: 295 (*Psiloconopa*). Type-locality: Gesäuse [= near Admont] (Austria).—Distr.: Europe: A, CH, CS, D, F, H, I, R, YU; USSR: SET (Carpathians).
- exigua* LACKSCHEWITZ, 1940: Annln naturh. Mus. Wien, 50: 44 (*Cheilotrichia*). Type-locality: Raibl (Yugoslavia).
- imbuta** (MEIGEN, 1818): Syst. Besch., 1: 114 (*Erioptera*). Type-locality: not given ("von Hrn. Wiedemann").—Distr.: Europe: A, B, BG, CH, CS, D, DDR, DK, F, GB, N, NL, PL, R, S, SF, YU; USSR: NET (south), CET, SET, TC, WS (Altai), FE (Primorskiy kray, Sakhalin, Kuril Is).
- cothurnata* (MACQUART, 1826): Mém. Soc. Sci. Agric. Lille, 1823-1824: 161 (*Limnobia*). Type-locality: not given (northern France).
- laetipennis** (ALEXANDER, 1936): Philipp. J. Sci., 59: 252 (*Erioptera*). Type-locality: Kibune, Kyoto Pref., Honshu (Japan).—Distr.: USSR: FE (Kuril Is); Asia: Japan (Honshu).
- meridiana** MENDL, 1974: Fragm. ent., Roma, 9: 210 (*Cheilotrichia*). Type-locality: Fiume Cadone below Fiora, Amiata region, Toscana (Italy).—Distr.: Europe: F, I; USSR: SMA (Tu).
- monstrosa** BANGERTER, 1947: Mitt. schweiz. ent. Ges., 20: 379 (*Cheilotrichia*). Type-locality: Sense near Schwarzsee (Switzerland).—Distr.: Europe: CH, D.
- vagans** SAVCHENKO, 1972: Dopov. Akad. Nauk ukr. RSR (B), 1972: 560 (*Cheilotrichia*). Type-locality: 95-100 km from Tbilisi on road to Krestoviy pass (USSR: Ge).—Distr.: USSR: SET (southeast), TC (Ge).

## Subgenus EMPEDA OSTEN SACKEN, 1869

- OSTEN SACKEN, 1869: Smithson. misc. Collns, 8(219): 183 (as genus).  
Type-species: *Empeda stigmatica* OSTEN SACKEN, 1869: l.c.: 184 (des. COQUILLET, 1910: Proc. U.S. natn. Mus., 37: 537); not Palearctic.
- Platyoma* LIOY, 1863: Atti R. Ist. veneto Sci., (3) 9: 226 (as genus). Type-species: *Erioptera cinerascens* MEIGEN, 1804: Klass. Besch., 1: 52 (orig. des.). [A junior homonym of *Platyoma* DEJEAN, 1833.]
- affinis** (LACKSCHEWITZ, 1927): KorrespBl. NaturfVer. Riga (N.F.), 59: 10 (*Empeda*). Type-locality: Embute (USSR: La).—Distr.: Europe: A, CH, CS, D, DDR, PL, R; USSR: CET (northwest), SET (Carpathians). [?Conspecific with *nemorensis* SANTOS ABREU, 1923.]

- areolata** (LUNDSTRÖM, 1912): Acta Soc. Fauna Flora fenn., **36**(1): 61 (*Empeda*). Type-localities: Muonio; Enontekis (Finland) (the first by lectotype des. of TJEDER, 1963).—Distr.: Europe: N, S, SF; USSR: NET (Kola Peninsula), FE (Chukotka, Kamchatka, Amur obl., Primorskiy kray, Kuril Is); ?Nearctic Region.
- [*rectispina* (ALEXANDER, 1955): Misc. Publs Mus. Zool. Univ. Mich., **90**: 13 (*Erioptera*). Type-locality: 5 mi W Valdez, Alaska (USA).] [Synonymy not certain.]
- [**baluchistanica** (ALEXANDER, 1944): Proc. R. ent. Soc. Lond. (B), **13**: 80 (*Erioptera*). Type-locality: Quetta, Baluchistan (Pakistan).—Distr.: Asia: Pakistan.]
- brachyclada** (ALEXANDER, 1940): Philipp. J. Sci., **71**: 195 (*Erioptera*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- brumalis** (ALEXANDER, 1947): Ann. ent. Soc. Am., **40**: 365 (*Erioptera*). Type-locality: Gifu, Honshu (Japan).—Distr.: Asia: Japan (Honshu, Shikoku).
- caerulea** STARÝ, 1987: Acta ent. Mus. natn. Prag., **42**: 261 (*Cheilotrichia*). Type-locality: Rejvíz, Jeseníky Mts (Czechoslovakia).—Distr.: Europe: A, CS, D, DDR.
- cinerascens** (MEIGEN, 1804): Klass. Beschr., **1**: 52 (*Erioptera*). Type-locality: not given (?near Stolberg [D]).—Distr.: Europe: A, B, BG, CH, CS, D, DDR, DK (incl. Faeroes), E, F, GB, H, I (incl. Sicily), IRE, N, NL, PL, R, S, SF, YU; USSR: NET, CET, SET, TC; Asia: Iran; Canary Is.
- nubila* (SCHUMMEL, 1829): Beitr. Ent., Breslau, **1**: 147 (*Limnobia*). Type-locality: ?near Wrocław (Poland).
- diluta* (ZETTERSTEDT, 1851): Dipt. scand., **10**: 3793 (*Erioptera*). Type-localities: Esperöd; Lärketorp (Sweden); Christiania [= Oslo] (Norway).
- tenella* (WALKER, 1856): Ins. Brit., Dipt., **3**: 129 (*Asynapta*). Type-locality: not given (Great Britain).
- alpina* (STROBL, 1895): Mitt. naturw. Ver. Steierm., **31**: 232 (*Empeda*, as form of *nubila*). Type-locality: Scheiplsee, Bösenstein (Austria).
- fuscogalterata* (STROBL, 1906): Mems R. Soc. esp. Hist. nat., **3**: 413 (*Empeda*, as var. of *nubila*). Type-locality: Algeciras (Spain). [Synonymy not certain.]
- fuscocincta** (ALEXANDER, 1940): Philipp. J. Sci., **71**: 196 (*Erioptera*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- japonica** (ALEXANDER, 1920): Insecutor Inscit. menstr., **8**: 134 (*Erioptera*). Type-locality: Tokyo, Honshu (Japan).—Distr.: USSR: ?FE (?Sakhalin); Asia: Japan (Honshu, Shikoku).
- kolbei** (WESTHOFF, 1882): Bau Hypopygiums Tipula: 57 (*Trichosticha*). Type-locality: Handorf near Münster [D].—Distr.: Europe: D. [Subgeneric position not certain.]
- mendli** STARÝ, 1987: Acta ent. Mus. natn. Prag., **42**: 267 (*Cheilotrichia*). Type-locality: Musei, Sardinia (Italy).—Distr.: Europe: I (Sardinia), P.

- microdonta** ALEXANDER, 1957: Ann. Mag. nat. Hist., (12) **10**: 295 (*Cheilotrichia*). Type-locality: Mahthantir Gah, Kashmir (India).—Distr.: Asia: China (Tibet); India.
- microtrichiata** (ALEXANDER, 1930): Philipp. J. Sci., **42**: 80 (*Erioptera*). Type-locality: Mt. Kirishima, Kyushu (Japan).—Distr.: Asia: Japan (Kyushu).
- minima** (STROBL, 1898): Glasn. zemalj. Mus. Bosni Herceg., **10**: 606 (*Gonomyia*). Type-locality: Mostar, Bosnia (Yugoslavia).—Distr.: Europe: A, AL, BG, CS, R, YU; USSR: SET (Carpathians), SMA; Asia: Iran, Afghanistan.
- gnoma* ALEXANDER, 1975: JI N.Y. ent. Soc., **83**: 122 (*Cheilotrichia*). Type-locality: Ardehjan (Iran).
- [**minuscula** (ALEXANDER, 1920): Ann. ent. Soc. Am., **13**: 256 (*Erioptera*). Type-locality: Shishito (Taiwan).—Distr.: Asia: ?Japan, Taiwan.]
- neglecta** (LACKSCHEWITZ, 1927): KorrespBl. NaturfVer. Riga (N.F.), **59**: 10 (*Empeda*). Type-locality: Paplaken [= Papluka] (USSR: La) (the same by lectotype des. of STARÝ, 1987).—Distr.: Europe: CS, PL, R, SF; USSR: CET (northwest).
- nemorensis** (SANTOS ABREU, 1923): Mem. R. Acad. Cienc. Artes Barcelona, **18**: 118 (*Polymeda*). Type-localities: Cumbre Vieja; Barrancos de los Mastrantes; La Madera (Canary Is: La Palma).—Distr.: Canary Is, Madeira. [See *affinis*.]
- obscura* (SANTOS ABREU, 1923): Mem. R. Acad. Cienc. Artes Barcelona, **18**: 121 (*Polymeda*, as var. of *nemorensis*). Type-localities: Cumbre Vieja; Barrancos de los Mastrantes; La Madera (Canary Is: La Palma).
- nigroapicalis** (ALEXANDER, 1920): Ann. ent. Soc. Am., **13**: 255 (*Erioptera*). Type-locality: Funkiko (Taiwan).—Distr.: Asia: Japan (Shikoku); Taiwan.
- nigrostylata** (ALEXANDER, 1936): Philipp. J. Sci., **60**: 191 (*Erioptera*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- praelata** (ALEXANDER, 1934): Arkiv Zool., **27**(A)(17): 22 (*Erioptera*). Type-locality: Kung-tze-tagga, Tsaluk valley, Min Mts, Gansu (China).—Distr.: Asia: China (Gansu).
- staryi** MENDEL, 1973: NachrBl. bayer. Ent., **22**: 65 (*Cheilotrichia*). Type-locality: Kreuzthal-Eisenbach, Westallgäu [D].—Distr.: Europe: A, BG, CH, CS, D, F, I, R; USSR: CET (Li).
- subnubila** (ALEXANDER, 1940): Philipp. J. Sci., **71**: 69 (*Erioptera*). Type-locality: Seren Mts (North Korea).—Distr.: USSR: FE (Primorskiy kray); Asia: North Korea.
- sulfureoclavata** (ALEXANDER, 1930): Philipp. J. Sci., **43**: 529 (*Erioptera*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- vallanti** (ALEXANDER, 1921): Bull. Mus. natn. Hist. nat. Paris, (1) **27**: 305 (*Erioptera*). Type-locality: Cha Tchéou at Kan Tchéou, Nan Chan, Inner Mongolia (China).—Distr.: Asia: China (Inner Mongolia).

**Erloconopa** STARÝ, 1976

STARÝ, 1976: Acta ent. bohemoslov., 73: 420.

Type-species: *Erioptera trivialis* MEIGEN, 1818: Syst. Besch., 1: 112 (orig. des.).

- diuturna** (WALKER, 1848): List Dipt. Brit. Mus., 1: 54 (*Limnobia*). Type-locality: England (Great Britain).—Distr.: Europe: A, BG, CS, D, E, F, GB, I, IRE, N, PL, S, SF; USSR: NET (southwest), CET (northwest), SET (Uk).  
*forsslundi* (TJEDER, 1936): Ent. Tidskr., 57: 132 (*Erioptera*). Type-locality: Stång-tjäm, Dalekarlia (Sweden).  
*zetterstedti* (LACKSCHEWITZ, 1936): Norsk ent. Tidsskr., 4: 115 (*Erioptera*). Type-locality: Kiruna (Sweden).
- elegantula** (ALEXANDER, 1913): Can. Ent., 45: 290 (*Erioptera*). Type-locality: Tokyo, Honshu (Japan).—Distr.: USSR: FE (Primorskiy kray, Sakhalin, Kuril Is); Asia: Japan (Hokkaido, Honshu, Shikoku).
- harukawai** (ALEXANDER, 1926): Philipp. J. Sci., 31: 368 (*Erioptera*). Type-locality: Kurashiki, Okayama pref., Honshu (Japan).—Distr.: USSR: FE (Sakhalin, Kuril Is); Asia: Japan (Honshu).
- interposita** STARÝ, 1976: Acta ent. bohemoslov., 73: 422 (*Eriocnopa*). Type-locality: Bajtava near Stúrovo, Slovakia (Czechoslovakia).—Distr.: Europe: CS; USSR: SET (Podolian hills).
- symplectoides** (KUNTZE, 1914): Anln naturh. Mus. Wien, 28: 378 (*Erioptera*). Type-locality: Retezat [= Retezatului] (Roumania).—Distr.: Europe: AL, BG, F, GR, ?N, R; USSR: SET, TC (Ge, Az); Asia: Turkey; North Africa: ?Morocco.
- parumpunctata* (STORM, 1898): Norske Selsk. Skrift, 1895: 231 (*Erioptera*). Type-localities: Mostadmarken in Selbu; Sör Trøndelag near Trondheim (Norway). [A questionable senior synonym.]
- tadzika** (SAVCHENKO, 1972): Zool. Zh., 51: 679 (*Erioptera*). Type-locality: near Dushanbe (USSR: Tj).—Distr.: USSR: KZ (Zailiyskiy Alatau), SMA (Ki, Tj).
- jaroslavi* SAVCHENKO, 1980: Ent. Obozr., 59: 395 (*Eriocnopa*). Type-locality: Talgar gorge, Zailiyskiy Alatau (USSR).
- trivialis** (MEIGEN, 1818): Syst. Besch., 1: 112 (*Erioptera*). Type-locality: not given (?near Stolberg [D]).—Distr.: Europe: A, B, BG, CH, CS, D, DDR, DK (incl. Faeroes), E, F, GB, H, I, IRE, IS, N, NL, PL, R, S, SF, YU; USSR: NET (incl. Kola peninsula, Novaya Zemlya), CET, SET, TC; Asia: Turkey, Iran.
- sericea* (MACQUART, 1826): Mém. Soc. Sci. Agric. Lille, 1823-1824: 159 (*Limnobia*). Type-locality: Lille (France). [Synonymy not certain.]
- ciliaris* (SCHUMMEL, 1829): Beitr. Ent., Breslau, 1: 151 (*Limnobia*). Type-localities: near Wrocław; near Pöpelwitz (Poland).

**Hoplolabis OSTEN SACKEN, 1869**

OSTEN SACKEN, 1869: *Smithson. misc. Collns.*, **8**(219): 152 (as subgenus of *Erioptera* MEIGEN, 1803).

Type-species: *Erioptera armata* OSTEN SACKEN, 1860: *Proc. Acad. nat. Sci. Philad.*, **1859**: 227 (mon.); not Palaearctic.

*Lunaria* SAVCHENKO, 1982: see below as subgenus.

*Parilisia* SAVCHENKO, 1976: see below as subgenus.

**Subgenus HOPLOLABIS OSTEN SACKEN, 1869**

**asiatica** (ALEXANDER, 1918): *Ann. ent. Soc. Am.*, **11**: 447 (*Erioptera*). Type-locality: Kyoto, Honshu (Japan).—Distr.: USSR: FE (Kamchatka, Magadan obl., Primorskiy kray, Sakhalin, Kuril Is); Asia: Mongolia, China (north), North Korea, Japan (Hokkaido, Honshu, Shikoku); Nearctic Region.

**Subgenus LUNARIA SAVCHENKO, 1982**

SAVCHENKO, 1982: *Fauna Ukrainy*, **14**(3): 182 (as subgenus of *Ilisia* RONDANI, 1856).

Type-species: *Ilisia idiophallus* SAVCHENKO, 1973: *Zbirn. Prats zool. Mus., Kiev*, **35**: 38 (orig. des.).

**amseliana** (NIELSEN, 1961): *Beitr. naturk. Forsch. Südwdtl.*, **19**: 306 (*Erioptera*). Type-locality: Polichomri (Afghanistan).—Distr.: USSR: TC (Arm), SMA (Tj, Ki, Tu); Asia: Afghanistan.

**idiophallus** (SAVCHENKO, 1973): *Zbirn. Prats zool. Mus., Kiev*, **35**: 38 (*Ilisia*). Type-locality: near Bronki, Irshava district, Zakarpatskaya obl. (USSR).—Distr.: Europe: BG, CS, R; USSR: SET (Carpathians).

**Subgenus PARILISIA SAVCHENKO, 1976**

SAVCHENKO *in* SAVCHENKO and KRIVOLUTSKAYA, 1976: *Limoniidae of the south Kuril Islands and south Sakhalin*: 91 (as subgenus of *Ilisia* RONDANI, 1856).

Type-species: *Erioptera areolata* SIEBKE, 1872: *Nyt Mag. Naturvid.*, **19**: 59 (orig. des.).

**albibasis** (SAVCHENKO, 1983): *Vestn. zool.*, **1983**(4): 3 (*Ilisia*). Type-locality: Talgar gorge, Zailiyskiy Alatau (USSR).—Distr.: USSR: KZ (Zailiyskiy Alatau), SMA (Ki).

- areolata** (SIEBKE, 1872): *Nyt Mag. Naturvid.*, **19**: 59 (*Erioptera*). Type-locality: Aamodt, at lake Storsøen, Buskerud (Norway).—Distr.: Europe: A, B, CH, CS, D, DDR, DK, E, F, GB, I, IRE, N, NL, PL, R, S, SF, YU; USSR: NET, CET, SET.
- pallens* (LOEW, 1873): *Beschr. europ. Dipt.*, **3**: 50 (*Acyphona*). Type-locality: Biberich [D].
- badakhensis** (ALEXANDER, 1954): *Ann. Mag. nat. Hist.*, (12) **7**: 904 (*Erioptera*). Type-locality: Firgamu, Kokscha valley, Badakhshan (Afghanistan).—Distr.: USSR: ?SMA (?Tj); Asia: Afghanistan; India.
- caudata** (SAVCHENKO, 1983): *Vestn. zool.*, **1983**(4): 6 (*Ilisia*). Type-locality: Alma Atinsko lake, Zailiyskiy Alatau (USSR).—Distr.: USSR: KZ (Zailiyskiy Alatau), SMA (Ki).
- complicata** (BANGERTER, 1947): *Mitt. schweiz. ent. Ges.*, **20**: 356 (*Ilisia*). Type-locality: Sensetal (Switzerland).—Distr.: Europe: A, CH, D, F.
- dichroa** (ALEXANDER, 1938): *Philipp. J. Sci.*, **66**: 337 (*Erioptera*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- estella** (ALEXANDER, 1955): *Misc. Publs Mus. Zool. Univ. Mich.*, **90**: 23 (*Erioptera*). Type-locality: Teklanika river, McKinley national park, Alaska (USA).—Distr.: USSR: WS (Tuva), FE (Kamchatka); Asia: Mongolia; Nearctic Region.
- fluviatilis** (VAILLANT, 1970): *Trav. Lab. Hydrobiol. Piscic. Univ. Grenoble*, **61**: 21 (*Ilisia*). Type-locality: Isère (France).—Distr.: Europe: CH, F.
- forcipula** (SAVCHENKO, 1978): *Vestn. zool.*, **1978**(5): 45 (*Ilisia*). Type-locality: Talgar gorge, Zailiyskiy Alatau (USSR).—Distr.: USSR: KZ (Zailiyskiy Alatau).
- incisurata** (SAVCHENKO, 1982): *Fauna Ukrainy*, **14**(3): 181 (*Ilisia*). Type-locality: Kvasy, Carpathians (USSR: Uk).—Distr.: USSR: SET (Carpathians). [?Con-specific with *mannheimsi* MENDEL, 1974.]
- iranica** (ALEXANDER, 1973): *Jl N.Y. ent. Soc.*, **81**: 83 (*Erioptera*). Type-locality: Zanus, Mazandaran (Iran).—Distr.: USSR: SET (southeast), TC; Asia: Iran.
- latiloba** (SAVCHENKO, 1978): *Vestn. zool.*, **1978**(5): 45 (*Ilisia*). Type-locality: near Alma-Ata (USSR).—Distr.: USSR: KZ (southeast), SMA (Tj).
- machidai** (ALEXANDER, 1931): *Philipp. J. Sci.*, **44**: 363 (*Erioptera*). Type-locality: Hirayu, Japanese Alps, Shinano, Honshu (Japan).—Distr.: Asia: Japan (Honshu). [Subgeneric position not certain.]
- mannheimsi** (MENDEL, 1974): *Fragm. ent.*, Roma, **9**: 214 (*Erioptera*). Type-locality: north of Tuscania, Lazio (Italy).—Distr.: Europe: AL, CS, GR, I, PL, R, YU; Asia: ?Turkey. [See *incisurata*.]
- multiserrata** (ALEXANDER, 1957): *Ann. Mag. nat. Hist.*, (12) **10**: 298 (*Erioptera*). Type-locality: Darkot, Kashmir (India).—Distr.: USSR: KZ (Zailiyskiy Alatau), SMA (Tj, Ki); Asia: India.
- obtusirama** (SAVCHENKO, 1983): *Vestn. zool.*, **1983**(4): 7 (*Ilisia*). Type-locality: north slope of Darvazkiy Mts (USSR: Tj).—Distr.: USSR: SMA (Tj).

- postrema** (ALEXANDER, 1936): Philipp. J. Sci., **60**: 350 (*Erioptera*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- punctigera** (LACKSCHEWITZ, 1940): Annln naturh. Mus. Wien, **50**: 36 (*Ilisia*). Type-locality: Bioce (Yugoslavia).—Distr.: Europe: AL, BG, F, GR (incl. Crete), I, R, YU.
- punctigera obtusiapex** (SAVCHENKO, 1982): Fauna Ukrainy, **14**(3): 175 (*Ilisia*). Type-locality: Novosilky, Petrikov district, Gomel obl. (USSR).—Distr.: Europe: CS, R; USSR: CET (south), SET (west).
- sachalina** (ALEXANDER, 1924): Philipp. J. Sci., **24**: 584 (*Erioptera*). Type-locality: Shimizu [= Tchistovidnoye], Kholmsk district, Sakhalin (USSR).—Distr.: Europe: CS; USSR: ES (south), FE (Sakhalin); Asia: Mongolia, China (Sichuan).
- subareolata* (ALEXANDER, 1932): Philipp. J. Sci., **49**: 130 (*Erioptera*). Type-locality: Chengdu, Sichuan (China).
- serenicola** (ALEXANDER, 1940): Philipp. J. Sci., **71**: 65 (*Erioptera*). Type-locality: Seren Mts (North Korea).—Distr.: Asia: North Korea.
- serratofalcata** (SAVCHENKO, 1983): Vestn. zool., **1983**(4): 6 (*Ilisia*). Type-locality: north slope of Darvazskiy Mts (USSR: Tj).—Distr.: USSR: SMA (Tj).
- sororcula** (LACKSCHEWITZ, 1940): Annln naturh. Mus. Wien, **50**: 38 (*Ilisia*). Type-locality: Gorizia (Italy).—Distr.: Europe: CH, CS, D, F, I, R; USSR: SET (Carpathians).
- intermedia* (BANGERTER, 1947): Mitt. schweiz. ent. Ges., **20**: 354 (*Ilisia*). Type-locality: Sensetal (Switzerland).
- sparsiguttula** (ALEXANDER, 1966): Bull. Brooklyn ent. Soc., **59/60**: 19 (*Erioptera*). Type-locality: Chanlacha, near Kunduz (Afghanistan).—Distr.: USSR: TC (Az), SMA; Asia: Afghanistan.
- spinosa** (NIELSEN, 1953): Z. wien. ent. Ges., **38**: 35 (*Erioptera*). Type-locality: near Admont (Austria).—Distr.: Europe: A, CS, PL; USSR: SET (Uk, Mo).
- spinosa pontica** (SAVCHENKO, 1984): Vestn. zool., **1984**(1): 88 (*Ilisia*). Type-locality: Khanakka gorge, Rybachye Alushta district, Crimea (USSR).—Distr.: USSR: SET (Crimea).
- spinula** (MENDL, 1973): NachrBl. bayer. Ent., **22**: 114 (*Erioptera*). Type-locality: Obertilliach, east Tirol (Austria).—Distr.: Europe: A, D.
- subalpina** (BANGERTER, 1947): Mitt. schweiz. ent. Ges., **20**: 355 (*Ilisia*). Type-locality: near Ruine Grasburg (Switzerland).—Distr.: Europe: BG, CH, CS, D, P, R, S, YU; USSR: CET (Li, By), SET (Uk).
- variegata** (SAVCHENKO, 1983): Vestn. zool., **1983**(4): 5 (*Ilisia*). Type-locality: north slope of Darvazskiy Mts (USSR: Tj).—Distr.: USSR: SMA (Tj).
- vicina** (TONNOIR in GOETGHEBUER and TONNOIR, 1920): Bull. Soc. ent. Belg., **2**: 142 (*Acyphona*). Type-localities: Linkebeek; Watermael (Belgium).—Distr.: Europe: A, AL, B, BG, CH, CS, D, DDR, DK, F, GB, H, N, NL, PL, R, S, SF, YU; USSR: NET, CET, SET, TC.



- yezoana** (ALEXANDER, 1924): Philipp. J. Sci., **24**: 585 (*Erioptera*). Type-locality: Shitakara, Hokkaido (Japan).—Distr.: Europe: A, BG, CH, CS, D, F (incl. Corsica), IRE, R, YU; USSR: NET (west), CET (northwest), SET (Uk), TC, SMA (Tu, Ki), WS (south), FE (Primorskiy kray, Sakhalin, Kuril Is); Asia: Iran, Japan (Hokkaido).
- czizeki** (BANGERTER, 1947): Mitt. schweiz. ent. Ges., **20**: 353 (*Ilisia*). Type-locality: Ochoz [= near Brno] (Czechoslovakia).

### Ilisia RONDANI, 1856

- RONDANI, 1856: Dipt. Ital. Prodrusus, **1**: 182.  
Type-species: *Erioptera maculata* MEIGEN, 1804: Klass. Besch., **1**: 51 (orig. des.).  
*Trichosticha* SCHINER, 1863: Wien. ent. Mschr., **7**: 221. Type-species: *Erioptera maculata* MEIGEN, 1804: Klass. Besch., **1**: 51 (des. ISHIDA, 1961: Sci. Rep. Hyogo Univ. Agric., Ser. Nat. Sci., **5**(1): 3).
- asymmetrica** (ALEXANDER, 1913): Can. Ent., **45**: 289 (*Erioptera*). Type-locality: Tokyo, Honshu (Japan).—Distr.: USSR: SMA (Ki, Tj), FE (Primorskiy kray, Kuril Is); Asia: North Korea, Japan (Hokkaido, Honshu, Shikoku, Kyushu); India.
- incongruens** (ALEXANDER, 1913): Can. Ent., **45**: 288 (*Erioptera*). Type-locality: Tokyo, Honshu (Japan).—Distr.: USSR: FE (Primorskiy kray, Kuril Is); Asia: Japan (Honshu).
- inermis** MENDEL, 1979: Spixiana, **2**: 176 (*Ilisia*). Type-locality: Festos, Ieropotamos, Crete (Greece).—Distr.: Europe: CS, GR (Crete, Levkas); Asia: Syria.
- maculata** (MEIGEN, 1804): Klass. Besch., **1**: 51 (*Erioptera*). Type-locality: near Solingen [D].—Distr.: Europe: A, AL, B, BG, CH, CS, D, DDR, DK, F (incl. Corsica), GB, H, I (incl. Sicily), IRE, NL, PL, R, S, YU; USSR: NET (south), CET, SET, TC; Asia: Turkey, ?Israel, Iran.
- occoecata** EDWARDS, 1936: Entomologist, **69**: 219 (*Ilisia*). Type-locality: Ffrith, Flintshire (Great Britain).—Distr.: Europe: A, BG, CH, CS, D, DDR, DK, F, GB, L, PL, S.
- parchomenkoi** SAVCHENKO, 1974: Zool. Zh., **53**: 474 (*Ilisia*). Type-locality: near Arslanvov, Fergana Mts (USSR: Ki).—Distr.: USSR: SMA (Ki).
- tenuisentis** (ALEXANDER, 1930): Philipp. J. Sci., **42**: 79 (*Erioptera*). Type-locality: Arisan (Taiwan).—Distr.: Asia: China (Sichuan); China (Jiangxi), Taiwan.

**Molophilus** CURTIS, 1833

CURTIS, 1833: Brit. Ent., **10**: 444.

Type-species: *Molophilus brevipennis* CURTIS, 1833: l.c.: 444 (mon.) [= *ater* (MEIGEN, 1804)].

[See annotation under generic heading for *Erioptera* MEIGEN, 1803.]

*Promolophilus* ALEXANDER, 1966: see below as subgenus.

Subgenus **MOLOPHILUS** CURTIS, 1833

- aduncus** STARÝ, 1978: Acta ent. bohemoslov., **75**: 344 (*Molophilus*). Type-locality: Banskó, near Damianitsa river (Bulgaria).—Distr.: Europe: BG, E; USSR: TC (Ge), SMA (southeast).
- aequirama** SAVCHENKO, 1982: Vestn. zool., **1982**(4): 81 (*Molophilus*, as new name for *Molophilus aequistylus* SAVCHENKO, 1979, a junior primary homonym of *Molophilus aequistylus* ALEXANDER, 1927).—Distr.: USSR: TC (northwest).
- aequistylus* SAVCHENKO, 1979: Dokl. Akad. Nauk ukr. RSR (B), **1979**: 683 (*Molophilus*). Type-locality: Myussera, Pitsunda nature reserve, Abkhaz ASSR (USSR: Ge).
- albireo** ALEXANDER, 1932: Philipp. J. Sci., **49**: 131 (*Molophilus*). Type-locality: Kwanhsien, Sichuan (China).—Distr.: Asia: China (Sichuan).
- albohalteratus** ALEXANDER, 1925: Ann. ent. Soc. Am., **17**: 435 (*Molophilus*). Type-locality: Mt. Takao, Musashi-no-kuni, Honshu (Japan).—Distr.: USSR: FE (Kuril Is); Asia: Japan (Honshu, Shikoku, Kyushu).
- alexanderianus** NIELSEN, 1963: Stuttg. Beitr. Naturk., No **118**: 7 (*Molophilus*). Type-locality: Paghman (Afghanistan).—Distr.: USSR: KZ, SMA (Ki, Tj); Asia: Afghanistan.
- antares** ALEXANDER, 1932: Philipp. J. Sci., **49**: 403 (*Molophilus*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- anthracinus** LACKSCHEWITZ, 1940: Annln naturh. Mus. Wien, **50**: 17 (*Molophilus*). Type-locality: Korab (Albania).—Distr.: Europe: A, AL.
- apicidentatus** ALEXANDER, 1955: Philipp. J. Sci., **83**: 301 (*Molophilus*). Type-locality: Omogo valley, Iyo, Shikoku (Japan).—Distr.: Asia: Japan (Shikoku).
- appendiculatus** (STAEGER, 1840): Naturh. Tidsskr., **3**: 55 (*Erioptera*). Type-locality: not given (Denmark).—Distr.: Europe: A, B, BG, CH, CS, D, DDR, DK, E, F, GB, H, I, IRE, L, N, NL, PL, R, S, SF, YU; USSR: NET (southwest), CET, SET (west), WS (Altai).
- armatus* DE MEIJERE, 1918: Tijdschr. Ent., **61**: 130 (*Molophilus*). Type-locality: not given (The Netherlands).
- armatissimus* BANGERTER, 1947: Mitt. schweiz. ent. Ges., **20**: 360 (*Molophilus*). Type-locality: Schüpfenfluh (Switzerland).

- ariel** ALEXANDER, 1932: Philipp. J. Sci., **49**: 402 (*Molophilus*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- ater** (MEIGEN, 1804): Klass. Besch., **1**: 50 (*Erioptera*). Type-locality: not given (?near Stolberg [D]).—Distr.: Europe: A, B, BG, CS, D, DDR, DK (incl. Faeroes), F (incl. Corsica), GB, H, IRE, N, NL, PL, R, S, SF; USSR: NET, CET, SET, WS (south), ES (south).
- eriopterus* (FABRICIUS, 1805): Syst. antl.: 33 (*Tipula*). Type-locality: not given.
- brevipennis* CURTIS, 1833: Brit. Ent., **10**: 444 (*Molophilus*). Type-locality: Red Skrees, between Ambleside and Ullswater (Great Britain).
- limnophilaeformis* (NOWICKI in BEUTHIN, 1887): Verh. Ver. naturw. Heimatforsch., Hamburg, **6**: 56 (*Rhinoptila*). Type-locality: near Hamburg [D].
- astrostylus** SAVCHENKO, 1978: Ent. Obozr., **57**: 413 (*Molophilus*). Type-locality: Sakalto (USSR: Ge).—Distr.: USSR: TC (west), SMA (southeast).
- avidus** ALEXANDER, 1940: Philipp. J. Sci., **71**: 73 (*Molophilus*). Type-locality: Seren Mts (North Korea).—Distr.: Asia: North Korea.
- babanus** ALEXANDER, 1957: Philipp. J. Sci., **85**: 382 (*Molophilus*). Type-locality: Kurokawa, Echigo, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- baezi** THEOWALD, 1981: Bull. zool. Mus. Univ. Amsterdam, **8**: 47 (*Molophilus*). Type-locality: Meriga, Gomera (Canary Is).—Distr.: Canary Is, Madeira.
- bardus** ALEXANDER, 1934: Philipp. J. Sci., **53**: 296 (*Molophilus*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- bidigitifer** SAVCHENKO, 1976: Ent. Obozr., **55**: 449 (*Molophilus*). Type-locality: near Lodididziri near Goderdzi pass, Arsian Mts, Adzhar ASSR (USSR: Ge).—Distr.: USSR: TC (southwest), SMA (southeast).
- bifidus** GOETGHEBUER in GOETGHEBUER and TONNOIR, 1920: Bull. Soc. ent. Belg., **2**: 135 (*Molophilus*). Type-localities: Rouge-Cloître; Forêt de Soignes; Virton (Belgium).—Distr.: Europe: A, AL, B, BG, CH, CS, D, DDR, DK, F (incl. Corsica), GB, I, IRE, L, N, NL, PL, R, S, YU; USSR: CET (northwest), SET (Uk); Asia: Iran.
- bihamatus** DE MEIJERE, 1918: Tijdschr. Ent., **61**: 131 (*Molophilus*). Type-locality: not given (The Netherlands).—Distr.: Europe: A, B, BG, CS, D, DK, GB, IRE, NL, PL, S; USSR: NET (southwest), CET (northwest).
- bischofi** LACKSCHEWITZ, 1940: Annln naturh. Mus. Wien, **50**: 18 (*Molophilus*). Type-locality: Wienerwald (Austria).—Distr.: Europe: A, CH, CS, D.
- brevihamatus** BANGERTER, 1947: Mitt. schweiz. ent. Ges., **20**: 363 (*Molophilus*). Type-locality: Sensetal (Switzerland).—Distr.: Europe: A, BG, CH, CS, D, DDR, YU; USSR: SET (Carpathians).
- carstensis** STARÝ, 1971: Annotnes zool.-bot. Bratisl., **70**: 2 (*Molophilus*). Type-locality: Hacavská valley, Slovakian Karst (Czechoslovakia).—Distr.: Europe: CS, D, R.
- cinereifrons** DE MEIJERE, 1920: Tijdschr. Ent., **63**: 59 (*Molophilus*, fig. as *griseifrons*). Type-localities: Linschoten; Houthem; Valkenburg; Nieuwersluis (The

- Netherlands).—Distr.: Europe: A, B, CH, CS, D, DDR, DK, F, GB, IRE, NL, PL, R, S, SF; USSR: NET (southwest), CET (west), SET (west).
- claessoni** MENDL, 1986: *Articulata*, **2**: 235 (*Molophilus*). Type-locality: Kakopetros, Crete (Greece).—Distr.: Europe: GR (Crete).
- clavistylus** MENDL, 1979: *Spixiana*, **2**: 178 (*Molophilus*). Type-locality: 12 km E Pertuli (Greece).—Distr.: Europe: GR.
- corniger** DE MEIJERE, 1920: *Tijdschr. Ent.*, **63**: 64 (*Molophilus*). Type-locality: Valkenburg (The Netherlands).—Distr.: Europe: A, B, BG, CH, CS, D, DDR, DK, F, GB, NL, PL, R, S, YU; USSR: NET (southwest), CET (west), SET (west).
- crassipygus** DE MEIJERE, 1918: *Tijdschr. Ent.*, **61**: 131 (*Molophilus*). Type-locality: not given (The Netherlands).—Distr.: Europe: A, B, BG, CH, CS, D, DDR, DK, F, GB, IRE, NL, PL, R, S, SF; USSR: NET (west), CET (west), SET (west).
- ochrescens* EDWARDS, 1938: *Trans. Soc. Br. Ent.*, **5**: 148 (*Molophilus*). Type-localities: several localities in Argyllshire, Midlothian, Suffolk, Yorkshire (Great Britain).
- dentifer* AGRELL, 1945: *Opusc. ent.*, **10**: 22 (*Molophilus*). Type-locality: Hyllestofta, Skåne (Sweden).
- crassulus** ALEXANDER, 1934: *Philipp. J. Sci.*, **53**: 295 (*Molophilus*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- crimensis** SAVCHENKO, 1976: *Ent. Obozr.*, **55**: 448 (*Molophilus*). Type-locality: near Khir Alan cordon, floodplain of Alma river, Chatyr Dag, Crimea (USSR).—Distr.: USSR: SET (Crimea, southeast).
- curvatus** TONNOIR *in* GOETGHEBUER and TONNOIR, 1920: *Bull. Soc. ent. Belg.*, **2**: 136 (*Molophilus*). Type-locality: Forêt de Soignes, Brussels district (Belgium).—Distr.: Europe: A, B, BG, CH, CS, D, DDR, DK, F, GB, H, I, NL, PL, R, S, YU; USSR: SET (Uk).
- dentatus* BANGERTER, 1947: *Mitt. schweiz. ent. Ges.*, **20**: 362 (*Molophilus*). Type-locality: Sensetal (Switzerland).
- cygnus** ALEXANDER, 1932: *Philipp. J. Sci.*, **49**: 132 (*Molophilus*). Type-locality: Kwanhsien, Sichuan (China).—Distr.: Asia: China (Sichuan).
- czizeki** LACKSCHEWITZ *in* CZIŽEK, 1931: *Z. mähr. Landesmus.*, **28**: 94 (*Molophilus*). Type-localities: Moravia: Adamstal [= Adamov]; Karthaus [= Královo Pole, suburb of Brno] (Czechoslovakia) (invalid [holo]-type des. by LACKSCHEWITZ, 1940).—Distr.: Europe: A, B, BG, CS, GB, IRE, R; USSR: SET (Carpathians).
- daimio** ALEXANDER, 1953: *Philipp. J. Sci.*, **82**: 173 (*Molophilus*). Type-locality: Imanoyama, Tosa, Shikoku (Japan).—Distr.: Asia: Japan (Shikoku).
- diferox** ALEXANDER, 1958: *Philipp. J. Sci.*, **86**: 325 (*Molophilus*). Type-locality: Kurokawa, Echigo, Honshu (Japan).—Distr.: Asia: Japan (Honshu).

- directidens** STARÝ, 1976: Annotnes zool.-bot. Bratisl., **112**: 4 (*Molophilus*). Type-locality: between Rilski Monastir and Partizanska Poljana (Bulgaria).—Distr.: Europe: BG.
- duplicatus** ALEXANDER, 1940: Lingnan Sci. J., **19**: 118 (*Molophilus*). Type-locality: Mt. Tien-mu, Zhejiang (China).—Distr.: Asia: China (Zhejiang).
- efferox** ALEXANDER, 1947: Ann. ent. Soc. Am., **40**: 370 (*Molophilus*). Type-locality: Kamikochi, Shinano, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- ermolenkoi** SAVCHENKO, 1976: Dokl. Akad. Nauk ukr. RSR (B), **1976**: 373 (*Molophilus*). Type-locality: Mt. Pozhizhevskaya, Chernogory Mts (USSR: Uk).—Distr.: USSR: SET (Carpathians).
- facinus** ALEXANDER, 1940: Philipp. J. Sci., **71**: 71 (*Molophilus*). Type-locality: Ompo (North Korea).—Distr.: USSR: FE (Primorskiy kray); Asia: North Korea.
- ferox** ALEXANDER, 1931: Philipp. J. Sci., **44**: 365 (*Molophilus*). Type-locality: Mt. Norikura, Japanese Alps, Shinano, Honshu (Japan).—Distr.: Asia: Japan (Honshu, Shikoku).
- flagellatus** STARÝ, 1976: Annotnes zool.-bot. Bratisl., **112**: 5 (*Molophilus*). Type-locality: Pirin, Begovica stream (Bulgaria).—Distr.: Europe: BG.
- flavus** GOETGHEBUER in GOETGHEBUER and TONNOIR, 1920: Bull. Soc. ent. Belg., **2**: 135 (*Molophilus*). Type-locality: Hockai (Belgium).—Distr.: Europe: A, B, CH, CS, D, DDR, DK, F, GB, I, IRE, N, NL, PL, R, S, SF; USSR: NET (southeast), SET (Uk).
- latihamatus* BANGERTER, 1947: Mitt. schweiz. ent. Ges., **20**: 361 (*Molophilus*). Type-locality: Selital (Switzerland).
- fluviatilis** BANGERTER, 1947: Mitt. schweiz. ent. Ges., **20**: 364 (*Molophilus*). Type-locality: Sensetal (Switzerland).—Distr.: Europe: A, CH, CS, D, PL, R, YU; USSR: SET (Carpathians).
- franzi** CASPERS, 1980: Spixiana, **3**: 137 (*Molophilus*). Type-locality: Röderbach near Thalfang, Hunsrück [D].—Distr.: Europe: D, DDR, F.
- furiosus** ALEXANDER, 1938: Philipp. J. Sci., **66**: 338 (*Molophilus*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- gracilipes** ALEXANDER, 1959: Ent. News, **70**: 51 (*Molophilus*). Type-locality: west side of Sonora pass, along middle fork of Stanislaus river, Tuolumne Co., California (USA).—Distr.: USSR: FE (Chukotka); Nearctic Region.
- griseus** (MEIGEN, 1804): Klass. Besch., **1**: 51 (*Erioptera*). Type-locality: not given (?near Stolberg [D]).—Distr.: Europe: A, B, CS, D, DDR, DK, E, F (incl. Corsica), GB, I, IRE, N, NL, PL, R, S, SF, YU; USSR: NET (southwest), CET (west), SET (west), TC; Asia: ?Israel; Canary Is.
- bifilatus* VERRALL, 1886: Entomologist's mon. Mag., **22**: 199 (*Molophilus*). Type-locality: not given (Great Britain).
- testaceus* LACKSCHEWITZ, 1940: Annln naturh. Mus. Wien, **50**: 22 (*Molophilus*, as var. of *bifilatus*). Type-locality: Albarracin (Spain).

- ripicolus* GACHET, 1967: Trav. Lab. Hydrobiol. Piscic. Univ. Grenoble, **57/58**: 51 (*Molophilus*). Type-locality: L'étang de Brié, near Grenoble (France).
- hyrcanus** SAVCHENKO, 1978: Ent. Obozr., **57**: 403 (*Molophilus*). Type-locality: between Lerik and Orand-chay, Talysh (USSR: Az).—Distr.: USSR: TC (Az).
- incurvus** MENDEL, 1979: Spixiana, **2**: 179 (*Molophilus*). Type-locality: upper reaches of Neto river, Sila Grande (Italy).—Distr.: Europe: I.
- inimicus** ALEXANDER, 1935: Philipp. J. Sci., **57**: 223 (*Molophilus*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- ishizuchianus** ALEXANDER, 1954: Philipp. J. Sci., **82**: 304 (*Molophilus*). Type-locality: Joju, Mt. Ishizuchi, Shikoku (Japan).—Distr.: Asia: Japan (Shikoku).
- itoanus** ALEXANDER, 1953: Philipp. J. Sci., **82**: 73 (*Molophilus*). Type-locality: Mt. Tsurugi, Sugeoi, Awa, Shikoku (Japan).—Distr.: Asia: Japan (Shikoku).
- iyoanus** ALEXANDER, 1953: Philipp. J. Sci., **82**: 175 (*Molophilus*). Type-locality: Okadamura, Iyo, Shikoku (Japan).—Distr.: Asia: Japan (Shikoku).
- kallemuelleri** MENDEL, 1984: Articulata, **2**: 101 (*Molophilus*). Type-locality: below Manolates, Samos (Greece).—Distr.: Europe: Greece (Samos).
- kiushiuensis** ALEXANDER, 1941: Philipp. J. Sci., **73**: 416 (*Molophilus*). Type-locality: Mt. Fugan, Kyushu (Japan).—Distr.: Asia: Japan (Honshu, Kyushu).
- klementi** MENDEL, 1973: NachrBl. bayer. Ent., **22**: 68 (*Molophilus*). Type-locality: Kreuzthal-Eisenbach, Westallgäu [D].—Distr.: Europe: A, CH, D, R.
- kotenkoi** SAVCHENKO, 1986: Vestn. zool., **1986**(1): 29 (*Molophilus*). Type-locality: Khumbosyr, Chegem river, Kabardino-Balkarsk ASSR (USSR).—Distr.: USSR: SET (Caucasus).
- lackschewitzianus** ALEXANDER, 1953: Rec. Indian Mus., **50**: 327 (*Molophilus*, as new name for *Molophilus hastatus* LACKSCHEWITZ, 1940, a junior primary homonym of *Molophilus hastatus* ALEXANDER, 1927).—Distr.: Europe: A, BG, CH, CS, D, GB, IRE, PL, YU; USSR: SET (Carpathians, southeast).
- hastatus* LACKSCHEWITZ, 1940: Annln naturh. Mus. Wien, **50**: 20 (*Molophilus*). Type-locality: Steinbrück (Austria).
- lackschewitzianus hebetatus** SAVCHENKO, 1976: Ent. Obozr., **55**: 446 (*Molophilus*). Type-locality: near Khino, Kobuleti district, Adzharo-Imeretin Mts (USSR: Ge).—Distr.: USSR: TC (Ge, Arm).
- lanceolatus** STARÝ, 1971: Annotnes zool.-bot. Bratisl., **70**: 4 (*Molophilus*). Type-locality: near Bansko, Benderica valley, Pirin Mts (Bulgaria).—Distr.: Europe: BG.
- lautereri** STARÝ, 1974: Cas. morav. Mus. Brne, **58**: 117 (*Molophilus*). Type-locality: south of Mt. Kovatsch, Rila Mts (Bulgaria).—Distr.: Europe: BG.
- lobiferus** ALEXANDER, 1925: Proc. U.S. natn. Mus., **68**(4): 11 (*Molophilus*). Type-locality: Olga, Primorskiy kray (USSR).—Distr.: USSR: FE (Primorskiy kray).
- longistylus** SAVCHENKO in SAVCHENKO and KRIVOLUTSKAYA, 1976: Limoniidae of the south Kuril Islands and south Sakhalin: 101 (*Molophilus*).

Type-localities: South Sakhalin, and several localities in Kunashir and Shikotan (USSR) (invalid holotype des. by SAVCHENKO, 1978).—Distr.: USSR: FE (Sakhalin, Kuril Is).

**macracanthus** SAVCHENKO, 1983: Limoniidae of south Primorye: 89 (*Molophilus*). Type-locality: Primorskiy, Khasan district, Primorskiy kray (USSR).—Distr.: USSR: FE (Primorskiy kray).

**maurus** LACKSCHEWITZ, 1925: Arb. NaturfVer. Riga (N.F.), 16: 4 (*Molophilus*). Type-locality: "Bathensche Talschlucht (Kurl.)" [= Bata] (USSR: La).—Distr.: Europe: CS; USSR: NET (southwest), CET (northwest).

**medius** DE MEIJERE, 1918: Tijdschr. Ent., 61: 131 (*Molophilus*). Type-locality: not given (The Netherlands).—Distr.: Europe: A, B, BG, CH, CS, D, DDR, DK, F (? incl. Corsica), GB, N, NL, PL, R, S, SF, YU; USSR: NET (southwest), CET (northwest), SET (Uk).

**memnon** ALEXANDER, 1971: Trans. Shikoku ent. Soc., 11: 13 (*Molophilus*). Type-locality: Kurokawa, Echigo, Honshu (Japan).—Distr.: Asia: Japan (Honshu).

**monacanthus** ALEXANDER, 1940: Philipp. J. Sci., 71: 70 (*Molophilus*). Type-locality: Seren Mts (North Korea).—Distr.: USSR: FE (Primorskiy kray); Asia: North Korea.

**monstrosus** MENDL, 1974: Fragm. ent., Roma, 9: 218 (*Molophilus*). Type-locality: near Bagnaia, E of Viterbo, Lazio (Italy).—Distr.: Europe: I (central).

**montanus** MENDL, 1973: Opusc. zool., 123: 4 (*Molophilus*). Type-locality: Tacht i Suleiman, Sär dab valley (Vandarban), Elburs Mts (Iran).—Distr.: Asia: Iran.

**multilobatus** SAVCHENKO, 1976: Ent. Obozr., 55: 440 (*Molophilus*). Type-locality: near Malo-Kurilsk, Shikotan, Kuril Is (USSR).—Distr.: USSR: FE (Sakhalin, Kuril Is).

**nakamurai** ALEXANDER, 1933: Philipp. J. Sci., 51: 403 (*Molophilus*). Type-locality: Mt. Shirouma, Shinano, Honshu (Japan).—Distr.: Asia: Japan (Honshu).

**nesioticus** ALEXANDER, 1953: Philipp. J. Sci., 82: 176 (*Molophilus*). Type-locality: Mt. Tsurugi, Awa, Otiai, Shikoku (Japan).—Distr.: Asia: Japan (Shikoku).

**niger** GOETGHEBUER in GOETGHEBUER and TONNOIR, 1920: Bull. Soc. ent. Belg., 2: 137 (*Molophilus*). Type-localities: Vinderhaute; Nukerke; Grimbergen; Linkebeek; Leuw St-Pierre (Belgium).—Distr.: Europe: A, B, CH, CS, D, DDR, F, GB, PL, R, YU; USSR: SET (Uk).

**nigrescens** LACKSCHEWITZ, 1940: Annln naturh. Mus. Wien, 50: 17 (*Molophilus*). Type-locality: Algeciras (Spain).—Distr.: Europe: E.

**nocticolor** ALEXANDER, 1953: Philipp. J. Sci., 82: 177 (*Molophilus*). Type-locality: Totidani, near Yanase, Shikoku (Japan).—Distr.: Asia: Japan (Shikoku).

**nodicornis** LACKSCHEWITZ, 1935: Natuurh. Maandbl., 24: 12 (*Molophilus*). Type-locality: Wölfelsgrund [= Miedzygorze], Silesia (Poland).—Distr.: Europe: CS, PL.

- nodulifer** SAVCHENKO, 1978: Ent. Obozr., **57**: 399 (*Molophilus*). Type-locality: 132 km from Batumi, Goderdzi pass toward Adigeni, Arsian Mts, Adzhar ASSR (USSR: Ge).—Distr.: USSR: SET (Caucasus), TC.
- obscurus** (MEIGEN, 1818): Syst. Besch., **1**: 113 (*Erioptera*). Type-locality: not given (?near Stolberg [D]).—Distr.: Europe: A, AL, B, BG, CH, CS, D, DDR, DK, E, F (incl. Corsica), GB, GR (incl. Crete), H, I, IRE, NL, PL, R, S, SF, YU; USSR: NET (south), CET, SET, TC; Asia: Lebanon.
- crassipes* (CURTIS, 1835): Brit. Ent., **12**: 557 (*Erioptera*). Type-locality: Scotland (Great Britain).
- obsoletus** LACKSCHEWITZ, 1940: Annln naturh. Mus. Wien, **50**: 24 (*Molophilus*). Type-locality: Mussalah [= Musala], Rila (Bulgaria).—Distr.: Europe: BG, R.
- occultus** DE MEIJERE, 1918: Tijdschr. Ent., **61**: 131 (*Molophilus*). Type-locality: Vlodrop (The Netherlands).—Distr.: Europe: B, CS, D, DDR, DK, E, F, GB, IRE, NL, PL, S.
- falciger* GOETGHEBUER in GOETGHEBUER and TONNOIR, 1920: Bull. Soc. ent. Belg., **2**: 135 (*Molophilus*). Type-locality: Hockai (Belgium).
- ochraceus** (MEIGEN, 1818): Syst. Besch., **1**: 114 (*Erioptera*). Type-locality: not given (?near Stolberg [D]).—Distr.: Europe: A, B, BG, CH, CS, D, DDR, DK, F, GB, ?GR (?Crete), H, I, IRE, NL, PL, R, S, SF; USSR: NET (southwest), CET (west), SET, TC.
- okadai** ALEXANDER, 1936: Philipp. J. Sci., **60**: 201 (*Molophilus*). Type-locality: Sapporo, Ishikari, Hokkaido (Japan).—Distr.: USSR: FE (Sakhalin, Kuril Is); Asia: Japan (Hokkaido).
- oldenbergi** LACKSCHEWITZ, 1935: Natuurh. Maandbl., **24**: 9 (*Molophilus*). Type-locality: Vallombrosa (Italy).—Distr.: Europe: I.
- pallidipes** ALEXANDER, 1975: JI N.Y. ent. Soc., **83**: 126 (*Molophilus*). Type-locality: Pul-i-Zoghal (Iran).—Distr.: Asia: Iran.
- pallipennis** (MACQUART, 1834): Hist. nat. Ins., Dipt., **1**: 112 (*Erioptera*). Type-locality: Bordeaux (France).—Distr.: Europe: F.
- palpifer** SAVCHENKO, 1976: Ent. Obozr., **55**: 444 (*Molophilus*). Type-locality: near Mleti, southern slopes of Krestoviy pass (USSR: Ge).—Distr.: USSR: SET (southeast), TC (Ge).
- paucispinus** ALEXANDER, 1957: Philipp. J. Sci., **85**: 385 (*Molophilus*). Type-locality: Kurokawa, Echigo, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- pauper** SAVCHENKO, 1978: Ent. Obozr., **57**: 409 (*Molophilus*). Type-locality: southern slopes of Krestoviy pass (USSR: Ge).—Distr.: USSR: SET (southeast), TC (Ge).
- pegasus** ALEXANDER, 1913: Can. Ent., **45**: 291 (*Molophilus*). Type-locality: Tokyo, Honshu (Japan).—Distr.: Asia: Japan (Honshu, Shikoku, Kyushu).
- perferox** ALEXANDER, 1957: Philipp. J. Sci., **85**: 383 (*Molophilus*). Type-locality: Kurokawa, Echigo, Honshu (Japan).—Distr.: Asia: Japan (Honshu).



- perflaveolus** ALEXANDER, 1918: Can. Ent., **50**: 160 (*Molophilus*). Type-locality: Fieldbrook, California (USA).—Distr.: Asia: Japan (Honshu); Nearctic Region.
- pictifemoratus** ALEXANDER, 1933: Philipp. J. Sci., **51**: 402 (*Molophilus*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- pictitibia** ALEXANDER, 1969: Trans. Shikoku ent. Soc., **10**: 40 (*Molophilus*). Type-locality: Mt. Kunimi, Kyushu (Japan).—Distr.: Asia: Japan (Kyushu).
- pieltaini** EDWARDS, 1938: Trans. Soc. Br. Ent., **5**: 141 (*Molophilus*). Type-locality: Sierra de Guadarrama (Spain).—Distr.: Europe: E.
- pleuralis** DE MEIJERE, 1920: Tijdschr. Ent., **63**: 60 (*Molophilus*). Type-localities: Amsterdam; Diemen; Haarlem; Abcoude; Hilversum; Uitgeest; Leimuiden; Zwammerdam (The Netherlands).—Distr.: Europe: A, B, CS, D, DDR, DK, F (Corsica), GB, H, IRE, NL, PL, R, S; USSR: CET (Li, By), SET, TC, KZ (Zailiyskiy Alatau), SMA (Tj, Ki), ES (Taymyr), FE (Wrangel Is); Asia: Iran, Afghanistan.
- pleurolineatus** STARÝ, 1971: Cas. morav. Mus. Brne, **55**: 181 (*Molophilus*). Type-locality: Ain Draham (Tunisia).—Distr.: North Africa: Tunisia.
- politonigrus** SAVCHENKO, 1983: Vestn. zool., **1983**(1): 52 (*Molophilus*, as subsp. of *tjederi* STARÝ). Type-locality: Khosrovskiy nature reserve (USSR: Arm).—Distr.: USSR: TC (Arm).
- polycanthus** ALEXANDER, 1936: Philipp. J. Sci., **59**: 254 (*Molophilus*). Type-locality: Kibune, Kyoto pref., Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- ponticus** SAVCHENKO, 1982: Fauna Ukrainy, **14**(3): 212 (*Molophilus*). Type-locality: northern slopes of Chatyr Dag, Crimea (USSR).—Distr.: USSR: SET (Crimea), TC (Ge, Az).
- priapoides** STARÝ, 1971: Acta ent. bohemoslov., **68**: 96 (*Molophilus*). Type-locality: Rejvíz, Jeseníky Mts, Moravia (Czechoslovakia).—Distr.: Europe: A, BG, CH, CS, D, F.
- priapus** LACKSCHEWITZ, 1935: Naturh. Maandbl., **24**: 12 (*Molophilus*). Type-locality: Gesäuse, Styria (Austria).—Distr.: Europe: A, CS; USSR: SET (Carpathians).
- propinquus** (EGGER, 1863): Verh. zool.-bot. Ges. Wien, **13**: 1105 (*Erioptera*). Type-locality: Austria.—Distr.: Europe: A, AL, B, BG, CH, CS, D, DDR, DK, E, F, GB, GR (incl. Samos), H, I, IRE, N, NL, PL, R, S, SF, YU; USSR: NET (west, northeast), CET (west), SET, TC, WS (south), ES (south), FE (Primorskiy kray, Sakhalin, Kuril Is); Asia: Turkey; North Africa: Morocco.
- opacus* (MEIGEN, 1830): Syst. Besch., **6**: 273 (*Erioptera*). Type-locality: not given ("von Herm Wiedemann"). [A questionable senior synonym.]
- gladius* DE MEIJERE, 1920: Tijdschr. Ent., **63**: 62 (*Molophilus*). Type-locality: not given (The Netherlands).
- obscurus* LACKSCHEWITZ, 1940: Annln naturh. Mus. Wien, **50**: 23 (*Molophilus*, as var. of *propinquus*). Type-locality: Albarracin (Spain).

- propinquus debilispinus** ALEXANDER, 1957: Philipp. J. Sci., **85**: 385 (*Molophilus*, as subsp. of *triacanthus*). Type-locality: Yoshikiya, Shinano, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- propinquus triacanthus** ALEXANDER, 1934: Philipp. J. Sci., **53**: 294 (*Molophilus*, as species). Type-locality: Yumoto, Shimotsuke, Honshu (Japan).—Distr.: USSR: FE (Primorskiy kray); Asia: North Korea, Japan (Honshu, Shikoku).
- proximus** MENDEL, 1979: Spixiana, **2**: 182 (*Molophilus*). Type-locality: Archipolis, Rodhos (Greece).—Distr.: Europe: GR (Rodhos).
- pseudopropinquus** MENDEL, 1973: NachrBl. bayer. Ent., **22**: 71 (*Molophilus*). Type-locality: Ochsentobel, Kürnach near Kempten [D].—Distr.: Europe: CH, CS, D, F, R.
- pullus** LACKSCHEWITZ, 1927: KorrespBl. NaturfVer. Riga (N.F.), **59**: 9 (*Molophilus*). Type-locality: Kandau (USSR: La).—Distr.: Europe: A, CH, CS, D, R, YU; USSR: CET (northwest).
- mystrophorus* BANGERTER, 1947: Mitt. schweiz. ent. Ges., **20**: 365 (*Molophilus*). Type-locality: Sensetal (Switzerland).
- pusillus** EDWARDS, 1921: Trans. R. ent. Soc. Lond., **1921**: 214 (*Molophilus*). Type-locality: Dregghorn, Ayrshire (Great Britain).—Distr.: Europe: GB, IRE.
- repentinus** STARÝ, 1971: Cas. morav. Mus. Brne, **55**: 183 (*Molophilus*). Type-locality: Adamov, Moravia (Czechoslovakia).—Distr.: Europe: A, CH, CS, D, F, R; USSR: SET (Carpathians).
- savtshenkoi** STARÝ, 1972: Annotnes zool.-bot. Bratisl., **81**: 3 (*Molophilus*). Type-locality: Rejvíz, Jeseníky Mts, Moravia (Czechoslovakia).—Distr.: Europe: CS, R; USSR: SET (Carpathians).
- scutellatus** GOETGHEBUER, 1929: Bull. Ann. Soc. ent. Belg., **69**: 240 (*Molophilus*). Type-locality: Col du Lautaret (France).—Distr.: Europe: A, BG, CH, CS, D, DDR, F, I, PL, R; USSR: SET (Carpathians).
- rothschildi* EDWARDS, 1938: Trans. Soc. Br. Ent., **5**: 141 (*Molophilus*). Type-locality: Lautaret, Haut Dauphiné (France).
- flavoscutellatus* LACKSCHEWITZ, 1940: Annln naturh. Mus. Wien, **50**: 16 (*Molophilus*). Type-locality: Heiligenblut (Austria).
- sericatus** ALEXANDER, 1925: Ann. Mag. nat. Hist., (9) **15**: 68 (*Molophilus*). Type-locality: Jozankei, Ishikari-no-kuni, Hokkaido (Japan).—Distr.: Asia: Japan (Hokkaido).
- serpentiger** EDWARDS, 1938: Trans. Soc. Br. Ent., **5**: 147 (*Molophilus*). Type-localities: several localities in Beds, Devon, Flintshire, Hants, Herts, Kerry, Renfrew, Surrey, Sussex, Westmorland (Great Britain).—Distr.: Europe: A, B, CH, CS, D, DDR, DK, F, GB, H, I, IRE, NL, PL, R, S; USSR: CET (southwest), SET (Uk).
- serratus** SAVCHENKO, 1976: Ent. Obozr., **55**: 441 (*Molophilus*). Type-locality: cape Kray Sveta, Shikotan, Kuril Is (USSR).—Distr.: USSR: FE (Sakhalin, Kuril Is).

- spinifer** LACKSCHEWITZ, 1940: *Annln naturh. Mus. Wien*, **50**: 21 (*Molophilus*). Type-locality: Osogova Planina (Bulgaria).—Distr.: Europe: BG, R.
- stroblianus** NIELSEN, 1953: *Z. wien. ent. Ges.*, **38**: 36 (*Molophilus*). Type-locality: near Admont (Austria).—Distr.: Europe: A, CS, D, YU.
- stroblianus decoloratus** SAVCHENKO, 1978: *Ent. Obozr.*, **57**: 409 (*Molophilus*). Type-locality: near Bokovo-Antratsit, Voroshilovgrad obl. [= Donetskaya obl.] (USSR: Uk).—Distr.: USSR: SET (Uk, southeast), TC.
- subgriseus** SAVCHENKO, 1976: *Ent. Obozr.*, **55**: 446 (*Molophilus*). Type-locality: Archivan, Astara district, Talysh (USSR: Az).—Distr.: USSR: TC (southeast).
- subochraceus** SAVCHENKO, 1976: *Ent. Obozr.*, **55**: 443 (*Molophilus*). Type-locality: near Bakhmaro, Adzharo-Imeretin Mts (USSR: Ge).—Distr.: USSR: SET (southeast), TC (Ge).
- takaoensis** ALEXANDER, 1933: *Philipp. J. Sci.*, **51**: 404 (*Molophilus*). Type-locality: Mt. Takao, Musashi, Honshu (Japan).—Distr.: Asia: Japan (Honshu, Shikoku).
- tetragonus** ALEXANDER, 1934: *Philipp. J. Sci.*, **54**: 339 (*Molophilus*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- tjederi** STARÝ, 1968: *Acta ent. bohemoslov.*, **65**: 239 (*Molophilus*). Type-locality: at margin of Slaná river, Plesivec, Slovakia (Czechoslovakia).—Distr.: Europe: CS, R; USSR: SET (Carpathians).
- tricuspidatus** MENDL, 1979: *Spixiana*, **2**: 183 (*Molophilus*). Type-locality: Dirfis Mts, Euboea (Greece).—Distr.: Europe: GR.
- trifilatus** ALEXANDER, 1920: *Trans. Am. ent. Soc.*, **46**: 9 (*Molophilus*). Type-locality: Meguro, Tokyo, Honshu (Japan).—Distr.: Asia: Japan (Honshu, Shikoku).
- tseni** ALEXANDER, 1940: *Philipp. J. Sci.*, **71**: 200 (*Molophilus*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- undulatus** TONNOIR in GOETGHEBUER and TONNOIR, 1920: *Bull. Soc. ent. Belg.*, **2**: 136 (*Molophilus*). Type-localities: Buysinghen; Virton (Belgium).—Distr.: Europe: A, B, CH, CS, D, DDR, F, GB, PL, R; USSR: SET (west).
- uniclavatus** ALEXANDER, 1938: *Philipp. J. Sci.*, **66**: 339 (*Molophilus*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- urodontus** SAVCHENKO, 1978: *Ent. Obozr.*, **57**: 403 (*Molophilus*). Type-locality: north slopes of Avash pass near Chayuzu, Talysh (USSR: Az).—Distr.: USSR: TC, SMA (Tu).
- urodontus brachyurus** SAVCHENKO, 1978: *Ent. Obozr.*, **57**: 406 (*Molophilus*). Type-locality: north slope of Tskhra-Tskaro pass, Trialeti Mts (USSR: Ge).—Distr.: USSR: SET (southeast), TC (Ge).
- urodontus cephaliger** SAVCHENKO, 1978: *Ent. Obozr.*, **57**: 407 (*Molophilus*). Type-locality: Angara pass, Chatyr Dag, Crimea (USSR).—Distr.: USSR: SET (Crimea).

- vafer** LACKSCHEWITZ, 1940: *Annln naturh. Mus. Wien*, **50**: 25 (*Molophilus*).  
Type-locality: Becharré (Lebanon).—Distr.: Europe: CS, D, GR (incl. Crete),  
R; USSR: SET (Carpathians); Asia: Lebanon.
- unguifer* STARÝ, 1978: *Acta ent. bohemoslov.*, **75**: 346 (*Molophilus*). Type-locality: Tatranská Kotlina, Belá valley, Belanské Tatry, Slovakia (Czechoslovakia).
- variispinus** STARÝ, 1971: *Cas. morav. Mus. Brne*, **55**: 187 (*Molophilus*). Type-locality: Adamov, Moravia (Czechoslovakia).—Distr.: Europe: CS, D, DDR, GB, PL.
- velvetus** ALEXANDER, 1926: *Philipp. J. Sci.*, **31**: 367 (*Molophilus*). Type-locality: hills S of Ning-po, Zhejiang (China).—Distr.: Asia: China (Zhejiang).

#### Subgenus PROMOPHILUS ALEXANDER, 1966

ALEXANDER, 1966: *Trans. Am. ent. Soc.*, **92**: 131 (as subgenus of *Molophilus* CURTIS, 1833).

Type-species: *Molophilus nitidus* COQUILLET, 1905: *Jl N.Y. ent. Soc.*, **13**: 58 (orig. des.); not Palaearctic.

- afghanicus** ALEXANDER, 1969: *Trans. Am. ent. Soc.*, **95**: 461 (*Molophilus*).  
Type-locality: Pagmange Mts (Afghanistan).—Distr.: Asia: Afghanistan.
- albibasis** ALEXANDER, 1924: *Philipp. J. Sci.*, **24**: 581 (*Molophilus*). Type-locality: Toyohara [= Yuzhno-Sakhalinsk], Sakhalin (USSR).—Distr.: USSR: FE (Sakhalin).
- apollyon** ALEXANDER, 1954: *Ann. Mag. nat. Hist.*, (12) **7**: 906 (*Molophilus*).  
Type-locality: Kamdesch, Bashgul valley, Nuristan (Afghanistan).—Distr.: Asia: Afghanistan; Pakistan, India.
- avazhon** SAVCHENKO, 1976: *Ent. Obozr.*, **55**: 439 (*Molophilus*). Type-locality: Kondara gorge, Varzob river valley, Gissar Mts (USSR: Tj).—Distr.: USSR: KZ, SMA (Ki, Tj).
- avazon* SAVCHENKO: incorrect subsequent spelling.
- bilobulus** ALEXANDER, 1938: *Philipp. J. Sci.*, **66**: 474 (*Molophilus*). Type-locality: Pehlütung (Beh-Luh-Din), 30 mi N Chengdu, Sichuan (China).—Distr.: Asia: China (Sichuan).
- nigropolitus** ALEXANDER, 1935: *Philipp. J. Sci.*, **56**: 559 (*Molophilus*). Type-locality: Kwanh sien, Sichuan (China).—Distr.: Asia: China (Sichuan).

**Ormosia RONDANI, 1856**

RONDANI, 1856: Dipt. Ital. Prodrumus, 1: 180.

Type-species: *Erioptera nodulosa* MACQUART, 1826: Mém. Soc. Sci. Agric. Lille, 1823-1824: 164 (orig. des.).

*Ilisomyia* RONDANI, 1856: Dipt. Ital. Prodrumus, 1: 180. Type-species: *Ilisomyia nubipennis* RONDANI, 1856: l.c.: 180 (orig. des.).

*Oreophila* LACKSCHEWITZ, 1935: see below as subgenus.

*Parormosia* ALEXANDER, 1965: see below as subgenus.

**Subgenus OREOPHILA LACKSCHEWITZ, 1935**

LACKSCHEWITZ, 1935: Tromsø Mus. Årsh., (4) 53(4): 7 (as genus).

Type-species: *Rhypholophus bergrothi* STROBL, 1895: Mitt. naturw. Ver. Steierm., 31: 227 (orig. des.).

**bergrothi** (STROBL, 1895): Mitt. naturw. Ver. Steierm., 31: 227 (*Rhypholophus*).

Type-locality: alpine meadows of Kalbling (Austria).—Distr.: Europe: A, CS, I, YU (north); USSR: ?NET/WS (?Polar Ural).

**confluenta** ALEXANDER, 1922: Insecutor Inscit. menstr., 10: 182 (*Ormosia*). Type-locality: Mt. Minomo, Honshu (Japan).—Distr.: USSR: FE (Sakhalin, Kuril Is); Asia: Japan (Honshu, Shikoku).

**longicornis** SAVCHENKO, 1980: Ent. Obozr., 59: 396 (*Ormosia*). Type-locality: Talgar gorge, Zailiyskiy Alatau (USSR).—Distr.: USSR: KZ (Zailiyskiy Alatau).

**sootryeni** (LACKSCHEWITZ, 1935): Tromsø Mus. Årsh., (4) 53(4): 8 (*Oreophila*). Type-locality: Røsvik (Norway).—Distr.: Europe: N, S; USSR: FE (Primorskiy kray, Sakhalin, Kuril Is); Asia: North Korea, Japan (Honshu).

*ducalis* ALEXANDER, 1938: Philipp. J. Sci., 67: 162 (*Ormosia*). Type-locality: Ompo (North Korea).

**subducalis** ALEXANDER, 1940: Philipp. J. Sci., 71: 197 (*Ormosia*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).

**weymarni** ALEXANDER, 1950: Ann. ent. Soc. Am., 43: 434 (*Ormosia*). Type-locality: Kaolingtze, Manchuria (China).—Distr.: Asia: North Korea, China (northeast).

**yankovskyi** ALEXANDER, 1940: Philipp. J. Sci., 71: 59 (*Ormosia*). Type-locality: Ompo (North Korea).—Distr.: USSR: FE (Primorskiy kray); Asia: North Korea.

## Subgenus ORMOSIA RONDANI, 1856

- aciculata** EDWARDS, 1921: Trans. R. ent. Soc. Lond., 1921: 217 (*Ormosia*). Type-locality: Stonesdale, Yorks (Great Britain).—Distr.: Europe: A, CH, CS, D, F, GB, PL, R; USSR: NET (southwest), CET (northwest), SET (Uk, Mo).
- aculeata** ALEXANDER, 1924: Ann. ent. Soc. Am., 17: 65 (*Ormosia*). Type-locality: Mt. Takao, Musashi-no-kuni, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- affinis** (LUNDBECK, 1898): Vidensk Meddr dansk naturh. Foren., (5) 10: 266 (*Rhypholophus*). Type-localities: Tunugdliarfikfjord; Sermiligarsukfjord; Neriafjord; Ivigtut (Greenland) (lectotype and type-locality [Ivigtut] des. by TJEDER, 1970).—Distr.: USSR: FE (Sakhalin, Kuril Is); Nearctic Region.  
[*manicata* (DOANE, 1900): JI N.Y. ent. Soc., 8: 187 (*Rhypholophus*). Type-locality: Collins, Idaho (USA).]  
[*modica* DIETZ, 1916: Trans. Am. ent. Soc., 42: 141 (*Ormosia*). Type-locality: Sonoma Co., California (USA).]  
[*deviata* DIETZ, 1916: Trans. Am. ent. Soc., 42: 143 (*Ormosia*). Type-locality: Hazleton, Pennsylvania (USA).]  
[*stylifer* ALEXANDER, 1919: Insecutor Inscit. menstr., 7: 146 (*Ormosia*). Type-locality: Forest Grove, Washington Co., Oregon (USA).]  
[*fuscopyga* ALEXANDER, 1924: Proc. U.S. natn. Mus., 64: 3 (*Ormosia*). Type-locality: Clio, Plumas Co., California (USA).]  
*subdeviata* ALEXANDER, 1924: Philipp. J. Sci., 24: 586 (*Ormosia*). Type-locality: Toyohara [= Yuzhno-Sakhalinsk], Sakhalin (USSR).
- affixa** ALEXANDER, 1936: Philipp. J. Sci., 60: 198 (*Ormosia*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- albitibia** EDWARDS, 1921: Trans. R. ent. Soc. Lond., 1921: 217 (*Ormosia*). Type-locality: Church Stretton (Great Britain).—Distr.: Europe: A, B, BG, CH, CS, D, F, GB, PL, R; USSR: SET (west).
- alexanderi** SAVCHENKO in SAVCHENKO and KRIVOLUTSKAYA, 1976: Limoniidae of the south Kuril Islands and south Sakhalin: 95 and 96 (*Ormosia*). Type-locality: Alekhino, Kunashir, Kuril Is (USSR).—Distr.: USSR: FE (Kuril Is).
- amakazarii** ALEXANDER, 1958: Philipp. J. Sci., 86: 318 (*Ormosia*). Type-locality: Mt. Amakazari, Echigo, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- amicorum** SAVCHENKO et TOMOV, 1975: Dokl. Akad. Nauk ukr. RSR (B), 1975: 950 (*Ormosia*). Type-locality: Chernatitsa Mts, Rodopi Mts (Bulgaria).—Distr.: Europe: BG.
- auricosta** ALEXANDER, 1933: Philipp. J. Sci., 50: 156 (*Ormosia*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- autumna** SAVCHENKO in SAVCHENKO and KRIVOLUTSKAYA, 1976: Limoniidae of the south Kuril Islands and south Sakhalin: 95 and 98 (*Ormosia*). Type-locality: near Mendeleyevo, west slopes of volcano Mendeleyev, Kunashir, Kuril Is (USSR).—Distr.: USSR: FE (Kuril Is).

- baldensis** MENDEL, 1974: NachrBl. bayer. Ent., **23**: 13 (*Ormosia*). Type-locality: Torro Sorna near St. Giacomo, Monte Baldo, Trentino-Alto Adige (Italy).—Distr.: Europe: I, R.
- beatifica** ALEXANDER, 1938: Philipp. J. Sci., **66**: 335 (*Ormosia*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- biannulata** ALEXANDER, 1936: Philipp. J. Sci., **59**: 250 (*Ormosia*). Type-locality: Beh-Luh-Din, 30 mi N Chengdu, Sichuan (China).—Distr.: Asia: China (Sichuan).
- bicornis** (DE MEIJERE, 1920): Tijdschr. Ent., **62**: 167 (*Rhypholophus*, as new name for *Rhypholophus cornutus* DE MEIJERE, 1918, a junior primary homonym of *Rhypholophus cornutus* DOANE, 1908).—Distr.: Europe: B, CS, D, F, GB, NL, YU; USSR: SET (Crimea).  
*cornuta* (DE MEIJERE, 1918): Tijdschr. Ent., **61**: 130 (*Rhypholophus*). Type-locality: Linschoten (The Netherlands).
- bifida** (LACKSCHEWITZ, 1940): Annln naturh. Mus. Wien, **50**: 31 (*Rhypholophus*). Type-locality: Göll, Salzburg (Austria).—Distr.: Europe: A, BG, CH, CS, D, DDR, F, I, PL, R, YU; USSR: SET (Carpathians).
- bihamata** LACKSCHEWITZ, 1935: Natuurh. Maandbl., **24**: 12 (*Ormosia*). Type-locality: Macugnaga (Italy).—Distr.: Europe: A, CH, CS, I.  
*armata* BANGERTER, 1947: Mitt. schweiz. ent. Ges., **20**: 359 (*Ormosia*). Type-locality: Gantrisch region (Switzerland).
- brevinervis** (LUNDSTRÖM, 1907): Acta Soc. Fauna Flora fenn., **29**(8): 12 (*Rhypholophus*). Type-localities: Kilpisjärvi (Finland); Kola peninsula (USSR) (the first by lectotype des. of TJEDER, 1965).—Distr.: Europe: S, SF; USSR: NET, CET (Li).
- caucasica** SAVCHENKO, 1973: Ent. Obozr., **52**: 452 (*Ormosia*). Type-locality: near Krivenkovskaya, Tuapse district, Krasnodarskiy kray (USSR).—Distr.: USSR: SET (southeast), TC (Ge).
- clavata** (TONNOIR in GOETGHEBUER and TONNOIR, 1920): Bull. Soc. ent. Belg., **2**: 140 (*Rhypholophus*). Type-locality: Virton, Jura (Belgium).—Distr.: Europe: A, B, BG, CH, CS, D, DDR, F, PL, R, S, SF; USSR: NET (southwest), CET (northwest), SET (Carpathians).
- cornutoides** ALEXANDER, 1940: Philipp. J. Sci., **71**: 60 (*Ormosia*). Type-locality: Ompo (North Korea).—Distr.: Asia: North Korea.
- croatica** STARÝ, 1971: Cas. morav. Mus. Brne, **55**: 170 (*Ormosia*). Type-locality: Vaganjski Vrh, Croatia (Yugoslavia).—Distr.: Europe: YU.
- curvispina** ALEXANDER, 1936: Philipp. J. Sci., **60**: 354 (*Ormosia*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- cuspidata** SAVCHENKO, 1973: Ent. Obozr., **52**: 448 (*Ormosia*). Type-locality: near Lodiziri, near Goderdzi pass, Arsian Mts, Adzhar ASSR (USSR: Ge).—Distr.: USSR: SET (southeast), TC (southwest).
- decorata** ALEXANDER, 1940: Philipp. J. Sci., **71**: 199 (*Ormosia*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).

- defessa** ALEXANDER, 1938: *Philipp. J. Sci.*, **66**: 335 (*Ormosia*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- depilata** EDWARDS, 1938: *Trans. Soc. Br. Ent.*, **5**: 134 (*Ormosia*). Type-localities: Arran; Cheshire; Cornwall; Hants; Nairn; Ross; Salop; Sutherland; Yorkshire (Great Britain).—Distr.: Europe: A, B, CH, CS, D, DDR, DK, F, GB, I, NL, PL, R, S, SF; USSR: NET (southwest), CET (northwest), SET (Uk).
- dicax** ALEXANDER, 1947: *Ann. ent. Soc. Am.*, **40**: 369 (*Ormosia*). Type-locality: Hamasaka, Hyogo pref., Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- echigoensis** ALEXANDER, 1957: *Philipp. J. Sci.*, **85**: 381 (*Ormosia*). Type-locality: Kurokawa, Echigo, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- egena** (BERGROTH, 1891): *Mitt. naturf. Ges. Bern*, **1890**: 131 (*Rhypholophus*). Type-locality: Weissenburg (Switzerland).—Distr.: Europe: A, AL, CH, CS, D, F, I, PL, YU; USSR: SET (Carpathians).
- fascipennis** (ZETTERSTEDT, [1838]): *Insecta Lapp.*: 831 (*Erioptera*). Type-localities: Tromsø (Norway); Greenland.—Distr.: Europe: A, AL, BG, CH, CS, D, DK, F, GR, H, I, IS, N, NL, PL, R, S, SF, YU; USSR: NET (incl. Novaya Zemlya), CET (northwest), SET, TC, WS (Tuva), ES (Taymyr, south), FE (Chukotka, Bering Is, Kuril Is); Asia: North Korea, Japan (Honshu); Nearctic Region.
- fuscipennis* (ZETTERSTEDT, 1837): *Isis* (Oken's), **1837**(1): 62 (*Erioptera*). Type-locality: not given (Sweden). [A junior primary homonym of *Erioptera fuscipennis* MEIGEN, 1818.]
- tephronota* (LOEW, 1873): *Beschr. europ. Dipt.*, **3**: 43 (*Rhypholophus*). Type-localities: Galizia (Poland); Pontresina; Rigi (Switzerland).
- helvetica* (LOEW, 1873): *Beschr. europ. Dipt.*, **3**: 45 (*Rhypholophus*). Type-locality: Chur (Switzerland).
- holtedahli* ALEXANDER, 1922: *Results Norw. Exped. Novaya Zemlya, 1921*, **5**: 4 (*Ormosia*). Type-locality: Admiralty peninsula, Novaya Zemlya (USSR).
- devota* ALEXANDER, 1940: *Philipp. J. Sci.*, **71**: 55 (*Ormosia*). Type-locality: Seren Mts (North Korea).
- ontakeana* ALEXANDER, 1947: *Ann. ent. Soc. Am.*, **40**: 367 (*Ormosia*). Type-locality: Mt. Ontake, Hida, southern Japanese Alps, Honshu (Japan).
- filifera** (LACKSCHEWITZ, 1940): *Annln naturh. Mus. Wien*, **50**: 31 (*Rhypholophus*). Type-locality: Becharré (Lebanon).—Distr.: Asia: Lebanon.
- fixa** ALEXANDER, 1936: *Philipp. J. Sci.*, **60**: 195 (*Ormosia*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- flavida** SAVCHENKO, 1973: *Ent. Obozr.*, **52**: 442 (*Ormosia*). Type-locality: Kvak, Kondara river, Gissar Mts (USSR: Tj).—Distr.: USSR: SMA (Tj).
- fragmentata** ALEXANDER, 1940: *Philipp. J. Sci.*, **71**: 62 (*Ormosia*). Type-locality: Ompo (North Korea).—Distr.: USSR: FE (Primorskiy kray); Asia: North Korea.



- fugitiva** ALEXANDER, 1935: Philipp. J. Sci., **57**: 222 (*Ormosia*). Type-locality: Wei Chow, 65 mi NW Chengdu, Sichuan (China).—Distr.: Asia: China (Sichuan).
- furcata** SAVCHENKO, 1973: Ent. Obozr., **52**: 449 (*Ormosia*). Type-locality: near Lazarevskaya, Krasnodarskiy kray (USSR).—Distr.: USSR: SET (southeast).
- grahami** ALEXANDER, 1931: Philipp. J. Sci., **44**: 364 (*Ormosia*). Type-locality: Mupin, Sichuan (China).—Distr.: Asia: China (Sichuan); Burma, India.
- hartigi** MENDEL, 1973: Entomologica, **9**: 181 (*Ormosia*). Type-locality: near Gambarie, Aspromonte, Calabria (Italy).—Distr.: Europe: F (Corsica), I.
- hederae** (CURTIS, 1835): Brit. Ent., **12**: 557 (*Erioptera*). Type-locality: Suffolk (Great Britain).—Distr.: Europe: A, B, BG, CH, CS, D, DDR, DK (incl. Faeroes), F (incl. Corsica), GB, IRE, IS, NL, PL, R, S; USSR: SET, TC (Ge, Az), SMA (Pamir).
- uncinata* (DE MEIJERE, 1918): Tijdschr. Ent., **61**: 130 (*Rhypholophus*). Type-locality: not given (The Netherlands).
- helifera** SAVCHENKO in SAVCHENKO and PARKHOMENKO, 1978: Vestn. zool., **1978**(1): 30 (*Ormosia*). Type-locality: Uryukty, southern slopes of Zailiyskiy Alatau (USSR).—Distr.: USSR: KZ (Zailiyskiy Alatau), SMA (Ki).
- horiana** ALEXANDER, 1925: Ann. Mag. nat. Hist., (9) **15**: 69 (*Ormosia*). Type-locality: Mt. Wakasugi, Chikuzen-no-kuni, Kyushu (Japan).—Distr.: Asia: Japan (Kyushu).
- inaequispina** ALEXANDER, 1940: Philipp. J. Sci., **71**: 198 (*Ormosia*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- inaperta** SAVCHENKO in SAVCHENKO and KRIVOLUTSKAYA, 1976: Limoniidae of the south Kuril Islands and south Sakhalin: **95** (*Ormosia*). Type-locality: near Pravda, Kholmsk district, Sakhalin (USSR).—Distr.: USSR: FE (Sakhalin).
- inflexa** SAVCHENKO, 1973: Ent. Obozr., **52**: 440 (*Ormosia*). Type-locality: Suputinka nature reserve, Primorskiy kray (USSR).—Distr.: USSR: FE (Primorskiy kray).
- insolita** ALEXANDER, 1938: Philipp. J. Sci., **66**: 473 (*Ormosia*). Type-locality: Pehlütig (Beh-Luh-Din), 30 mi N Chengdu, Sichuan (China).—Distr.: Asia: China (Sichuan).
- kamikochiae** ALEXANDER, 1947: Ann. ent. Soc. Am., **40**: 368 (*Ormosia*). Type-locality: Kamikochi, Shinano, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- lackschewitzi** BANGERTER, 1947: Mitt. schweiz. ent. Ges., **20**: 357 (*Ormosia*). Type-locality: Sensetal (Switzerland).—Distr.: Europe: CH, I.
- laevistyla** ALEXANDER, 1933: Philipp. J. Sci., **50**: 155 (*Ormosia*). Type-locality: Kibune, Kyoto pref., Honshu (Japan).—Distr.: Asia: Japan (Honshu, Shikoku).

- levanidovae** SAVCHENKO, 1983: Limoniidae of south Primorye: 84 (*Ormosia*). Type-locality: Kedrovaya Pad, Khasan district, Primorskiy kray (USSR).—Distr.: USSR: FE (Primorskiy kray).
- lineata** (MEIGEN, 1804): Klass. Besch., 1: 51 (*Erioptera*). Type-locality: not given (?near Stolberg [D]).—Distr.: Europe: A, B, BG, CH, CS, D, DDR, DK, F, GB, H, N, NL, PL, R, S, SF; USSR: NET (southwest), CET (west), SET (Uk).
- apparens** (WALKER, 1848): List Dipt. Brit. Mus., 1: 57 (*Limnobia*). Type-locality: England (Great Britain).
- distincta** (EGGER, 1863): Verh. zool.-bot. Ges. Wien, 13: 1105 (*Dasyptera*). Type-locality: Dornbach near Vienna (Austria).
- longispina** SAVCHENKO, 1983: Vestn. zool., 1983(1): 18 (*Ormosia*). Type-locality: Megradzor, Razdan district (USSR: Arm).—Distr.: USSR: TC (Arm).
- lotida** SAVCHENKO, 1973: Ent. Obozr., 52: 443 (*Ormosia*). Type-locality: southern slopes of Krestoviy pass (USSR: Ge).—Distr.: USSR: SET (southeast), TC (Ge).
- loxia** STARÝ, 1983: Annotnes zool.-bot. Bratisl., 154: 15 (*Ormosia*, as subsp. of *aciculata* EDWARDS). Type-locality: Hlubocky near Olomouc, Moravia (Czechoslovakia).—Distr.: Europe: CS, DDR.
- machidana** ALEXANDER, 1933: Philipp. J. Sci., 51: 401 (*Ormosia*). Type-locality: Mt. Shirouma, Shinano, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- microstyla** SAVCHENKO, 1973: Ent. Obozr., 52: 451 (*Ormosia*). Type-locality: near Smolenskaya, Krasnodarskiy kray (USSR).—Distr.: Europe: BG; USSR: SET (Donetsk hills, southeast).
- moravica** STARÝ, 1969: Cas. morav. Mus. Brne, 54: 127 (*Ormosia*). Type-locality: Hrubá Vada near Olomouc, Moravia (Czechoslovakia).—Distr.: Europe: CS, PL, R; USSR: SET (Carpathians).
- multidentata** SAVCHENKO, 1973: Ent. Obozr., 52: 454 (*Ormosia*). Type-locality: near Yuzhno-Sakhalinsk, Sakhalin (USSR).—Distr.: USSR: FE (Sakhalin).
- multidentata curvata** SAVCHENKO, 1973: Ent. Obozr., 52: 455 (*Ormosia*). Type-locality: eastern slopes of Sikhote-Alin Mts, Primorskiy kray (USSR).—Distr.: USSR: FE (Primorskiy kray).
- nana** STARÝ, 1974: Annotnes zool.-bot. Bratisl., 99: 7 (*Ormosia*). Type-locality: Jeseniky, Praded, Bilá Opava valley, Moravia (Czechoslovakia).—Distr.: Europe: CS.
- nantaisana** ALEXANDER, 1921: Ann. ent. Soc. Am., 14: 117 (*Ormosia*). Type-locality: Mt. Nantai, near Nikko, Honshu (Japan).—Distr.: Asia: Japan (Honshu, Shikoku).
- nodulosa** (MACQUART, 1826): Mém. Soc. Sci. Agric. Lille, 1823-1824: 164 (*Erioptera*). Type-locality: not given (northern France).—Distr.: Europe: A, B, CH, CS, D, DDR, DK, F, GB, H, I, IRE, NL, N, PL, R, S, YU; USSR: CET (west).

- nubipennis** (RONDANI, 1856): Dipt. Ital. Prodrromus, 1: 180 (*Ilisomyia*). Type-locality: not given (Italy).—Distr.: Europe: I. [Subgeneric position not certain.]
- officiosa** ALEXANDER, 1936: Philipp. J. Sci., 60: 197 (*Ormosia*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- orientobifida** SAVCHENKO, 1983: Limoniidae of south Primorye: 85 (*Ormosia*). Type-locality: Kedrovaya Pad, Khasan district, Primorskiy kray (USSR).—Distr.: USSR: FE (Primorskiy kray).
- pirinensis** STARÝ, 1971: Acta ent. bohemoslov., 68: 95 (*Ormosia*). Type-locality: near Bansko, Benderica valley, Pirin Mts (Bulgaria).—Distr.: Europe: BG.
- praecisa** ALEXANDER, 1932: Philipp. J. Sci., 49: 401 (*Ormosia*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- profesta** ALEXANDER, 1936: Philipp. J. Sci., 60: 196 (*Ormosia*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- pseudosimilis** (LUNDSTRÖM, 1912): Acta Soc. Fauna Flora fenn., 36(1): 58 (*Rhypholophus*). Type-localities: Pargas; Kuustö; Sammati; Helsing; Tuovilanlaks; Seitjaur (Finland and USSR) (Helsing, Finland, by lectotype des. of TJEDER, 1972).—Distr.: Europe: B, CS, D, DDR, DK, F, GB, IRE, N, NL, PL, R, S, SF; USSR: NET (west), CET (northwest).
- rectangularis** ALEXANDER, 1934: Philipp. J. Sci., 53: 293 (*Ormosia*). Type-locality: Yumoto, Shimotsuke, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- remissa** ALEXANDER, 1953: Philipp. J. Sci., 82: 71 (*Ormosia*). Type-locality: Mt. Tsurugi, Awa, Shikoku (Japan).—Distr.: Asia: Japan (Shikoku).
- rostrifera** SAVCHENKO, 1973: Ent. Obozr., 52: 446 (*Ormosia*). Type-locality: near Syanki, near Uzhok pass, Lvov obl. (USSR: Uk).—Distr.: Europe: CS; USSR: SET (Carpathians).
- ruficauda** (ZETTERSTEDT, [1838]): Insecta Lapp.: 830 (*Erioptera*). Type-locality: Stoettingsfjellet (Sweden).—Distr.: Europe: A, B, CH, CS, D, DDR, N, PL, R, S, SF; USSR: NET (southwest), CET, SET (Uk).
- murina* (GOETGHEBUER in GOETGHEBUER and TONNOIR, 1920): Bull. Soc. ent. Belg., 2: 139 (*Rhypholophus*). Type-localities: Gedinne; Hockai (Belgium).
- seclusa** ALEXANDER, 1936: Philipp. J. Sci., 58: 422 (*Ormosia*). Type-locality: Konseitoge, Shimotsuke, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- serrata** SAVCHENKO, 1973: Ent. Obozr., 52: 453 (*Ormosia*). Type-locality: northern slopes of Zekar pass, Adzharo-Imeretin Mts (USSR: Ge).—Distr.: USSR: TC (southwest).
- solita** ALEXANDER, 1936: Philipp. J. Sci., 60: 355 (*Ormosia*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- staegeriana** ALEXANDER, 1953: Rec. Indian Mus., 50: 327 (*Ormosia*, as new name for *Erioptera similis* STAEGER, 1840, at time of replacement a junior secondary homonym of *Limnobia similis* SCHUMMEL, 1829).—Distr.: Europe: A, AL, B, BG, CH, CS, D, DDR, DK, GB, I, N, PL, R, S, SF, YU; USSR: NET (west), CET (west), SET (Uk).

- montana* (MEIGEN, 1818): Syst. Besch., 1: 110 (*Erioptera*). Type-locality: near Imgenbroich [D]. [A questionable senior synonym.]
- similis* (STAEGER, 1840): Naturh. Tidsskr., 3: 53 (*Erioptera*). Type-locality: Ordrupskrat (Denmark).
- subalpina** ALEXANDER, 1947: Ann. ent. Soc. Am., 40: 366 (*Ormosia*). Type-locality: Mt. Kurobegoro, Toyama pref., Japanese Alps, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- subfascipennis** SAVCHENKO, 1973: Ent. Obozr., 52: 444 (*Ormosia*). Type-locality: southern slopes of Krestoviy pass (USSR: Ge).—Distr.: USSR: SET (southeast), TC (Ge).
- subserrata** SAVCHENKO, 1976: Zool. Zh., 55: 304 (*Ormosia*). Type-locality: Abago, Great Caucasus nature reserve, Krasnodarskiy kray (USSR).—Distr.: USSR: SET (southeast).
- takahashii** ALEXANDER, 1919: Ann. ent. Soc. Am., 12: 337 (*Ormosia*). Type-locality: Meguro, Tokyo, Honshu (Japan).—Distr.: USSR: ?FE (?Kuril Is); Asia: Japan (Honshu).
- takeuchii** ALEXANDER, 1921: Ann. ent. Soc. Am., 14: 117 (*Ormosia*). Type-locality: Gifu, Honshu (Japan).—Distr.: USSR: FE (Kuril Is); Asia: Japan (Hokkaido, Honshu, Shikoku, Kyushu).
- tenuispinosa** ALEXANDER, 1936: Philipp. J. Sci., 60: 193 (*Ormosia*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- tokionis** ALEXANDER, 1919: Ann. ent. Soc. Am., 12: 336 (*Ormosia*). Type-locality: Meguro, Tokyo, Honshu (Japan).—Distr.: Asia: Japan (Honshu, Shikoku).
- tokunagai** ALEXANDER, 1932: Philipp. J. Sci., 49: 129 (*Ormosia*). Type-locality: Kibune, Kyoto pref., Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- uralensis** LACKSCHEWITZ, 1964: Ent. Obozr., 43: 716 (*Ormosia*). Type-locality: near Salekhard, river Sobj district, Tyumen obl. (USSR).—Distr.: USSR: NET/WS (Polar Ural), WS (Altai, Tuva).

#### Subgenus PARORMOSIA ALEXANDER, 1965

ALEXANDER, 1965: JI N.Y. ent. Soc., 73: 34 (as subgenus of *Ormosia* RONDANI, 1856).

Type-species: *Rhypholophus nigripilus* OSTEN SACKEN, 1869: Smithson. misc. Collns, 8(219): 142 (orig. des.); not Palearctic.

- angustaurata** ALEXANDER, 1936: Philipp. J. Sci., 60: 353 (*Ormosia*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- diversipes** ALEXANDER, 1919: Ann. ent. Soc. Am., 12: 334 (*Ormosia*). Type-locality: Meguro, Tokyo, Honshu (Japan).—Distr.: USSR: FE (Sakhalin, Kuril Is, ?Primorskiy kray); Asia: Japan (Honshu, Shikoku, Kyushu).

- atripes* ALEXANDER, 1919: Ann. ent. Soc. Am., 12: 335 (*Ormosia*). Type-locality: Meguro, Tokyo, Honshu (Japan).
- lataurata* ALEXANDER, 1936: Philipp. J. Sci., 60: 351 (*Ormosia*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- nigripennis* ALEXANDER, 1936: Philipp. J. Sci., 60: 192 (*Ormosia*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- nippoalpina* ALEXANDER, 1941: Philipp. J. Sci., 76: 63 (*Ormosia*). Type-locality: Kamikochi, Honshu (Japan).—Distr.: USSR: ?FE (?Sakhalin); Asia: Japan (Honshu).

### **Rhypholophus KOLENATI, 1860**

KOLENATI, 1860: Wien. ent. Mschr., 4: 393.

Type-species: *Rhypholophus phryganopterus* KOLENATI, 1860: l.c.: 393 (mon.).

*Dasyptera* SCHINER, 1863: Wien. ent. Mschr., 7: 221. Type-species: *Erioptera varia* MEIGEN, 1818: Syst. Besch., 1: 115 (orig. des.).

- bifurcatus* GOETGHEBUER in GOETGHEBUER and TONNOIR, 1920: Bull. Soc. ent. Belg., 2: 138 (*Rhypholophus*). Type-localities: several localities throughout Belgium.—Distr.: Europe: A, B, BG, CS, D, F, GB, I, H; USSR: NET (southwest), CET (northwest), SET (Crimea).
- crassipes* STROBL, 1900: Wien. ent. Ztg., 19: 214 (*Rhypholophus*). Type-locality: Brincola (Spain).—Distr.: Europe: E. [See *lichtwardti*.]
- haemorrhoidalis* (ZETTERSTEDT, [1838]): Insecta Lapp.: 829 (*Erioptera*). Type-localities: Drivstua, Dovrefjell (Norway); Härnösand (Sweden).—Distr.: Europe: A, B, BG, CH, CS, D, DDR, DK, F (incl. Corsica), GB, H, I, N, NL, PL, R, S, SF, YU; USSR: NET (west), CET (west), SET (Uk, Crimea).
- imitator* SAVCHENKO, 1981: Vestn. zool., 1981(1): 24 (*Rhypholophus*). Type-locality: 15 km SE Konstantinovka, Khabarovskiy kray (USSR).—Distr.: USSR: FE (Khabarovskiy kray).
- intermixtus* (SAVCHENKO, 1973): Ent. Obozr., 52: 456. (*Ormosia*). Type-locality: southern slopes of Zekar pass, Adzharo-Imeretin Mts (USSR: Ge).—Distr.: USSR: TC (southwest).
- lichtwardti* (LACKSCHEWITZ, 1935): Natuurh. Maandbl., 24: 13 (*Ormosia*). Type-locality: Altvater [= Praded] (Czechoslovakia).—Distr.: Europe: A, CH, CS, I, R; USSR: SET (Carpathians). [?Conspecific with *crassipes* STROBL, 1900.]
- malickyi* (MENDL, 1975): NachrBl. bayer. Ent., 24: 22 (*Ormosia*). Type-locality: Lechleiten, Lechtal, Tirol (Austria).—Distr.: Europe: A, D.
- obtusistyla* (STARÝ, 1976): Annotnes zool.-bot. Bratisl., 112: 3 (*Ormosia*). Type-locality: between Partizanska Poliana and Rilska ezera, below Mt. Vodnia Chal (Bulgaria).—Distr.: Europe: BG.

- phryganopterus** KOLENATI, 1860: Wien. ent. Mschr., 4: 393 (*Rhypholophus*).  
Type-locality: Altvater [= Praded], Moravia (Czechoslovakia).—Distr.: Europe: A, BG, CH, CS, D, DDR, F, I, PL, R; USSR: SET (Carpathians).
- simulans** (SAVCHENKO, 1973): Ent. Obozr., 52: 458 (*Ormosia*). Type-locality: Krestoviy pass (USSR: Ge).—Distr.: USSR: SET (southeast), TC (Ge).
- varius** (MEIGEN, 1818): Syst. Besch., 1: 115 (*Erioptera*). Type-locality: Berlin.  
—Distr.: Europe: A, B, CH, CS, D, DDR, DK, F, GB, IRE, N, NL, PL, S, SF; USSR: NET (southwest), CET (west), SET (Uk).
- villeneuvei** BERGROTH, 1907: Bull. Soc. ent. Fr., 1907: 143 (*Rhypholophus*).  
Type-locality: Lautaret, Basse-Alpes (France).—Distr.: Europe: F.

### Taslocera SKUSE, 1890

SKUSE, 1890: Proc. Linn. Soc. N.S.W., (2) 4: 815.

Type-species: *Tasiocera tenuicornis* SKUSE, 1890: l.c.: 816 (des. ALEXANDER, 1920: Mem. Qd Mus., 7: 52); not Palaearctic.

*Dasymolophilus* GOETGHEBUER, 1920: see below as subgenus.

### Subgenus DASYMOLOPHILUS GOETGHEBUER, 1920

GOETGHEBUER in GOETGHEBUER and TONNOIR, 1920: Bull. Soc. ent. Belg., 2: 132 (as subgenus of *Molophilus* CURTIS, 1833).

Type-species: *Erioptera murina* MEIGEN, 1818: Syst. Besch., 1: 113 (orig. des.).

- collini** FREEMAN, 1951: Proc. R. ent. Soc. Lond. (B), 20: 33 (*Tasiocera*). Type-locality: Chippenham Fen, Suffolk (Great Britain).—Distr.: Europe: GB, IRE. [?Conspecific with *halesus* SCHMID, 1949.]
- exigua** SAVCHENKO, 1973: Zbirn. Prats zool. Mus., Kiev, 35: 39 (*Tasiocera*). Type-locality: Usteritskoye forestry, Rakhov district (USSR: Uk).—Distr.: Europe: CS, D, DDR, I, R; USSR: SET (Carpathians).
- fuscescens** (LACKSCHEWITZ, 1940): Annln naturh. Mus. Wien, 50: 14 (*Molophilus*). Type-locality: Pashtrik (Albania).—Distr.: Europe: AL, CS, D, GB, IRE, PL, R, S; USSR: SET (Carpathians). [See *muscula*.]
- halesus** (SCHMID, 1949): Mitt. schweiz. ent. Ges., 22: 238 (*Dasymolophilus*). Type-localities: Vidy near Lausanne; Belmont (Switzerland).—Distr.: Europe: CH. [See *collini*.]
- jenkinsoni** FREEMAN, 1951: Proc. R. ent. Soc. Lond. (B), 20: 36 (*Tasiocera*). Type-locality: Crowborough, Sussex (Great Britain).—Distr.: Europe: CS, D, GB, PL, YU.
- jelenae** (SCHMID, 1958): Bull. Ins. r. Sci. nat. Belg., 34(10): 22 (*Dasymolophilus*). Type-locality: near Capari, Macedonia (Yugoslavia).

- jubata** (ALEXANDER, 1936): Philipp. J. Sci., **60**: 199 (*Dasymolophilus*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: FE (Primorskiy kray); Asia: China (Sichuan), ?North Korea.
- kibunensis** (ALEXANDER, 1936): Philipp. J. Sci., **60**: 200 (*Dasymolophilus*). Type-locality: Kibune, Kyoto pref., Honshu (Japan).—Distr.: Asia: Japan (Honshu); Taiwan.
- malickyiana** MENDL, 1985: Articulata, **2**: 155 (*Tasiocera*). Type-locality: below Satzu, Sardinia (Italy).—Distr.: Europe: I (Sardinia).
- minima** MENDL, 1974: Fragm. ent., Roma, **9**: 221 (*Tasiocera*). Type-locality: tributary of Tescio river near Assisi, Umbria (Italy).—Distr.: Europe: I.
- murina** (MEIGEN, 1818): Syst. Besch., **1**: 113 (*Erioptera*). Type-locality: not given (?near Stolberg [D]).—Distr.: Europe: A, B, BG, CH, CS, D, DDR, DK, F (incl. Corsica), GB, H, IRE, N, NL, PL, R, S, SF; USSR: NET (southwest), CET (west), SET, TC.
- pygmaea* (MACQUART, 1826): Mém. Soc. Sci. Agric. Lille, **1823-1824**: 165. (*Erioptera*). Type-locality: not given (northern France).
- muscula** (SCHMID, 1949): Mitt. schweiz. ent. Ges., **22**: 238 (*Dasymolophilus*). Type-localities: Pléiades; Montheron (Switzerland).—Distr.: Europe: CH. [?Conspecific with *fuscescens* LACKSCHEWITZ, 1940.]
- phlebotomus** (SCHMID, 1949): Mitt. schweiz. ent. Ges., **22**: 240 (*Dasymolophilus*). Type-localities: l'Isle; Vidy (Lausanne) (Switzerland).—Distr.: Europe: CH.
- robusta** (BANGERTER, 1947): Mitt. schweiz. ent. Ges., **20**: 366 (*Dasymolophilus*). Type-locality: Sensetal, Obere Sense (Switzerland).—Distr.: A, BG, CH, CS, D, DDR, GB, GR.
- laminata* FREEMAN, 1951: Proc. R. ent. Soc. Lond. (B), **20**: 33 (*Tasiocera*). Type-locality: Woodditton Wood, Cambridge (Great Britain).

### Tribe Gonomyiini

#### **Dasymallomyia** BRUNETTI, 1911

BRUNETTI, 1911: Rec. Indian Mus., **6**: 304.

Type-species: *Dasymallomyia signata* BRUNETTI, 1911: l.c.: 304 (mon.).

- clausa** ALEXANDER, 1940: Lingnan Sci. J., **19**: 115 (*Dasymallomyia*). Type-locality: Mt. Tien-mu, Zhejiang (China).—Distr.: Asia: China (Zhejiang).
- klapperichi** ALEXANDER, 1954: Ann. Mag. nat. Hist., (12) **7**: 903 (*Dasymallomyia*). Type-locality: Kutiau, Nuristan (Afghanistan).—Distr.: USSR: SMA (Tj); Asia: Afghanistan.
- persignata** ALEXANDER, 1932: Philipp. J. Sci., **49**: 396 (*Dasymallomyia*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).

**signata** BRUNETTI, 1911: Rec. Indian Mus., 6: 304 (*Dasymallomyia*). Type-locality: Kurseong, Darjeeling district (India).—Distr.: Asia: China (central); Taiwan, India.

### Dicranoptycha OSTEN SACKEN, 1860

OSTEN SACKEN, 1860: Proc. Acad. nat. Sci. Philad., 1859: 217.

Type-species: *Dicranoptycha germana* OSTEN SACKEN, 1860: l.c.: 217 (des. COQUILLET, 1910: Proc. U.S. nat. Mus., 37: 533); not Palaearctic.

*Marginomyia* MEIGEN, 1818: Syst. Besch., 1: 147. Type-species: *Limnobia cinerascens* MEIGEN, 1818: l.c.: 147 (mon.). [Published in synonymy and unavailable.]

*Ulugbekia* SAVCHENKO, 1970: see below as subgenus.

### Subgenus DICRANOPTYCHA OSTEN SACKEN, 1860

**caesia** ALEXANDER, 1928: Philipp. J. Sci., 36: 466 (*Dicranoptycha*). Type-locality: Tatusawa, near Inawashiro, Fukushima pref., Honshu (Japan).—Distr.: Asia: Japan (Honshu).

**caesia pallidibasis** ALEXANDER, 1931: Philipp. J. Sci., 44: 353 (*Dicranoptycha*). Type-locality: Mt. Norikura, Japanese Alps, Shinano, Honshu (Japan).—Distr.: USSR: FE (Primorskiy kray); Asia: Japan (Honshu), China (Hebei).

**cinerascens** (MEIGEN, 1818): Syst. Besch., 1: 147 (*Limnobia*). Type-locality: Austria (Vranov n. D., Moravia, Czechoslovakia, by neotype des. of STARÝ, 1972).—Distr.: Europe: A, BG, CS, ?D, F, I, PL, SF, YU; USSR: CET (Li).

**diacantha** ALEXANDER, 1938: Philipp. J. Sci., 67: 141 (*Dicranoptycha*). Type-locality: Seren Mts (North Korea).—Distr.: USSR: FE (Primorskiy kray); Asia: North Korea.

**edashigeana** ALEXANDER, 1955: Philipp. J. Sci., 83: 284 (*Dicranoptycha*). Type-locality: Mt. Kajigamori, Tosa, Shikoku (Japan).—Distr.: Asia: Japan (Shikoku).

**fuscescens** (SCHUMMEL, 1829): Beitr. Ent., Breslau, 1: 121 (*Limnobia*). Type-localities: near Wrocław; Pöpelwitz (Poland) (Kruzberk, Opava district, Moravia, Czechoslovakia, by neotype des. of STARÝ, 1972).—Distr.: Europe: A, AL, B, BG, CH, CS, CY, D, E, F (incl. Corsica), GB, GR (Crete, Rodhos, Samos), H, I, N, NL, PL, R, S, SF, YU; USSR: NET (excl. the extreme north), CET, SET, TC, ?KZ; Asia: Turkey, Iran, Lebanon; North Africa: Algeria.

**lundstroemi** (BERGROTH, 1922): Ent. Meddr, 14: 19 (*Limonia*). Type-locality: not given (Finland).



- hasegawai** ALEXANDER, 1955: Ann. ent. Soc. Am., **48**: 371 (*Dicranoptycha*).  
Type-locality: Mt. Norikura, near Reisen-goya, Shinano, Honshu (Japan).  
—Distr.: Asia: Japan (Honshu).
- livescens** LOEW, 1871: Besch. europ. Dipt., **2**: 1 (*Dicranoptycha*). Type-localities:  
near Poznań; Silesia (Poland); Saxony [DDR]; Austria.—Distr.: Europe: A,  
BG, CH, CS, ?D, DDR, F, H, I, PL, R, YU; USSR: CET (Li), SET (Uk,  
Crimea).
- machidana** ALEXANDER, 1932: Philipp. J. Sci., **49**: 117 (*Dicranoptycha*). Type-  
locality: Mt. Hakutai, Chichibu, Honshu (Japan).—Distr.: Asia: Japan  
(Honshu).
- paralivescens** STARÝ, 1972: Acta ent. bohemoslov., **69**: 402, 413 (*Dicranoptycha*).  
Type-locality: Giraltovec, Slovakia (Czechoslovakia).—Distr.: Europe: A, BG,  
CH, CS, D, I, PL, R; USSR: CET (southeast), SET.
- phallosomica** ALEXANDER, 1937: Notes Ent. chin., **4**: 71 (*Dicranoptycha*). Type-  
locality: Kuling, Jiangxi (China).—Distr.: Asia: China (Zhejiang); China  
(Jiangxi).
- prolongata** ALEXANDER, 1938: Philipp. J. Sci., **67**: 139 (*Dicranoptycha*). Type-  
locality: Ompo (North Korea).—Distr.: USSR: FE (Primorskiy kray); Asia:  
North Korea.
- pseudocinerea** STARÝ, 1972: Acta ent. bohemoslov., **69**: 402 and 405 (*Dicrano-*  
*ptycha*). Type-locality: Prater, Vienna (Austria).—Distr.: Europe: A, CH, CS,  
I; USSR: SET (Uk).
- recurvispina** SAVCHENKO, 1974: Vestn. zool., **1974**(6): 31 (*Dicranoptycha*).  
Type-locality: near Kyurgagzhi, Lachin district (USSR: Az).—Distr.: USSR:  
TC.
- stygipes** ALEXANDER, 1938: Philipp. J. Sci., **66**: 113 (*Dicranoptycha*). Type-loc-  
ality: Matsuo, Iwate pref., Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- suensoniana** ALEXANDER, 1941: Philipp. J. Sci., **76**: 48 (*Dicranoptycha*). Type-  
locality: Kawaguchi, Fuji lakes district, Honshu (Japan).—Distr.: Asia: Japan  
(Honshu).
- venosa** ALEXANDER, 1924: Philipp. J. Sci., **24**: 561 (*Dicranoptycha*). Type-loc-  
ality: Shikaripetsu, Hokkaido (Japan).—Distr.: USSR: FE (Sakhalin, Kuril Is);  
Asia: Japan (Hokkaido).
- vulpes** ALEXANDER, 1935: Philipp. J. Sci., **56**: 550 (*Dicranoptycha*). Type-loc-  
ality: Beh-Luh-Din, 30 mi N Chengdu, Sichuan (China).—Distr.: Asia: China  
(Sichuan).
- yamata** ALEXANDER, 1919: Ann. ent. Soc. Am., **12**: 332 (*Dicranoptycha*). Type-  
locality: Meguro, Tokyo, Honshu (Japan).—Distr.: Asia: Japan (Honshu,  
Shikoku, Kyushu).

## Subgenus ULUGBEKIA SAVCHENKO, 1970

SAVCHENKO, 1970: Dopov. Akad. Nauk ukr. RSR (B), 1970: 564 (as subgenus of *Dicranoptycha* OSTEN SACKEN, 1860).

Type-species: *Dicranoptycha mirabilis* SAVCHENKO, 1970: l.c.: 564 (orig. des.).

**mirabilis** SAVCHENKO, 1970: Dopov. Akad. Nauk ukr. RSR (B), 1970: 564 (*Dicranoptycha*). Type-locality: near lake Kholia-Kul, Tigrovaya Balka nature reserve (USSR: Tj).—Distr.: USSR: SMA; Asia: ?Turkey (?Kusadasi).

**savtshenkoi** MENDEL, 1976: NachrBl. bayer. Ent., 25: 36 (*Dicranoptycha*). Type-locality: 1 km W of Kallithie, Rodhos (Greece).—Distr.: Europe GR (Rodhos, Lesbos).

## Ellipteroides BECKER, 1907

BECKER, 1907: Z. syst. Hymenopt. Dipterol., 7: 239.

Type-species: *Ellipteroides piceus* BECKER, 1907: l.c.: 239 (mon.).

*Progonomyia* ALEXANDER, 1920: see below as subgenus.

*Ptilostenodes* ALEXANDER, 1931: see below as subgenus.

*Protogonomyia* ALEXANDER, 1934: see below as subgenus.

## Subgenus ELLIPTEROIDES BECKER, 1907

**ater** (HUGUENIN, 1818): Fauna ins. helv., Dipt. Tipulidae: 50 (*Gonomyia*). Type-locality: near Weissenburg (Switzerland).—Distr.: Europe: CH. [Subgeneric position not certain.]

**bifastigatus** MENDEL, 1987: Articulata, 2: 371 (*Ellipteroides*). Type-locality: Antalya-Finike (36.44°N/30.33°E), Antalya (Turkey).—Distr.: Asia: Turkey (Antalya).

**friesei** (MANNHEIMS, 1967): Beitr. Ent., 17: 471 (*Gonomyia*). Type-locality: Borshi south of Vlora (Albania).—Distr.: Europe: AL.

**lateralis** (MACQUART, 1835): Hist. nat. Ins., Dipt., 2: 653 (*Erioptera*). Type-locality: Liège (Belgium).—Distr.: Europe: A, AL, B, BG, CH, CS, D, DDR, DK, E, F, GB, H, I, IRE, M, NL, PL; USSR: CET (Li); Asia: Lebanon; North Africa: Morocco.

**flavolimbatus** (DALE, 1842): Ann. Mag. nat. Hist., (1) 8: 430 (*Limnobia*). Type-locality: not given (Great Britain).

**manifestus** (WALKER, 1848): List Dipt. Brit. Mus., 1: 53 (*Limnobia*). Type-locality: England (Great Britain).

**cinctus** (EGGER, 1863): Verh. zool.-bot. Ges. Wien, 13: 1106 (*Gonomyia*). Type-locality: Austria.

- pseudolateralis* (BANGERTER, 1947): Mitt. schweiz. ent. Ges., 20: 370 (*Gonomyia*). Type-locality: not given (Flamatt, Switzerland).
- piceus** BECKER, 1907: Z. syst. Hymenopt. Dipterol., 7: 239 (*Ellipteroides*). Type-locality: Zaghouan (Tunisia) (the same by lectotype des. of STARÝ and ROZKOŠNÝ, 1970).—Distr.: North Africa: Algeria, Tunisia.

#### Subgenus PROGONOMYIA ALEXANDER, 1920

- ALEXANDER, 1920: Mem. Cornell Univ. agric. Exp. Stn, 38: 52 (as subgenus of *Gonomyia* MEIGEN, 1818, as new name for *Gonomyella* ALEXANDER, 1916, a junior homonym of *Gonomyella* MEUNIER, 1899 [= *Gomyiella* MEUNIER, 1899]). Type-species: *Gonomyia slossonae* ALEXANDER, 1914: Proc. Acad. nat. Sci. Philad., 1914: 588 (aut.); not Palaearctic.
- Gonomyella* ALEXANDER, 1916: Proc. Acad. nat. Sci. Philad., 1916: 511 (as subgenus of *Gonomyia* MEIGEN, 1818). Type-species: *Gonomyia slossonae* ALEXANDER, 1914: Proc. Acad. nat. Sci. Philad., 1914: 588 (orig. des.); not Palaearctic.
- perturbatus** (ALEXANDER, 1930): Philipp. J. Sci., 42: 528 (*Gonomyia*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).

#### Subgenus PROTOGONOMYIA ALEXANDER, 1934

- ALEXANDER, 1934: Philipp. J. Sci., 55: 52 (as subgenus of *Gonomyia* MEIGEN, 1818). Type-species: *Gnophomyia confluenta* ALEXANDER, 1924: Ann. ent. Soc. Am., 17: 69 (orig. des.); not Palaearctic.
- adrastea** STARÝ et MENDEL, 1984: NachrBl. bayer. Ent., 33: 123 (*Ellipteroides*). Type-locality: Radejov-Lucina, Moravia (Czechoslovakia).—Distr.: Europe: CS.
- alboscuteUellatus** (VON ROSER, 1840): CorrespBl. württ. landw. Ver., Stuttg. (N.S.), 17(1): 51 (*Limnobia*). Type-locality: Württemberg [D].—Distr.: Europe: A, AL, B, BG, CH, CS, D, DDR, E, F, GB, H, I, NL, R, YU; USSR: SET (Carpathians); Asia: Lebanon; North Africa: Morocco.
- collaris* (MEIGEN, 1838): Syst. Besch., 7: 28 (*Limnobia*). Type-localities: Bayern [D]; near Liège (Belgium). [A questionable senior synonym.]
- scuteUellatus* (EGGER, 1863): Verh. zool.-bot. Ges. Wien, 13: 1106 (*Gonomyia*). Type-locality: Austria.
- hutsoni** (STARÝ, 1971): Acta ent. bohemoslov., 68: 319 (*Gonomyia*). Type-locality: Jebel Ayachi, High Atlas (Morocco).—Distr.: North Africa: Morocco.

- ida** STARÝ et MENDEL, 1984: NachrBl. bayer. Ent., **33**: 125 (*Ellipteroides*). Type-locality: Puerto d. l. Ragua, Sierra Nevada (Spain).—Distr.: Europe: E.
- limbatus** (VON ROSER, 1840): CorrespBl. württ. landw. Ver., Stuttg. (N.S.), **17**(1): 50 (*Limnobia*). Type-locality: Württemberg [D].—Distr.: Europe: A, BG, CH, CS, D, F, GB, I, PL, YU; USSR: SET (Carpathians).
- huguenini** (BANGERTER, 1947): Mitt. schweiz. ent. Ges., **20**: 368 (*Gonomyia*). Type-locality: Sensetal (Switzerland).
- quadridens** (SAVCHENKO, 1972): Zool. Zh., **51**: 1331 (*Gonomyia*). Type-locality: near Bilasar, Lenkoran district, Talysh (USSR: Az).—Distr.: USSR: TC (Az).
- quadridens loehmeri** MENDEL, 1987: Articulata, **3**: 17 (*Ellipteroides*). Type-locality: S Beyrisebap, Habur Deresi valley, Hakkari (Turkey).—Distr.: Asia: Turkey.
- tienmuensis** (ALEXANDER, 1940): Lignan Sci. J., **19**: 117 (*Gonomyia*). Type-locality: Mt. Tien-mu, Zhejiang (China).—Distr.: Asia: China (Zhejiang).

#### Subgenus PTILOSTENODES ALEXANDER, 1931

ALEXANDER, 1931: Arch. Hydrobiol., Suppl., **2**: 182 (as subgenus of *Gonomyia* MEIGEN, 1818).

Type-species: *Gonomyia ptilostenella* ALEXANDER, 1931: Philipp. J. Sci., **45**: 441 (orig. des.); not Palaearctic.

- amicula** (ALEXANDER, 1936): Philipp. J. Sci., **60**: 348 (*Gonomyia*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- omissus** (LACKSCHEWITZ, 1940): Annln naturh. Mus. Wien, **50**: 62 (*Gonomyia*). Type-locality: Becharré (Lebanon).—Distr.: USSR: TC (Arm); Asia: Lebanon.
- [**uniplagiatus** (ALEXANDER, 1937): Philipp. J. Sci., **63**: 394 (*Idiocera*). Type-locality: Tau-au-hong, Jiangxi (China).—Distr.: Asia: China (Jiangxi).]

#### *Gnophomyia* OSTEN SACKEN, 1860

OSTEN SACKEN, 1860: Proc. Acad. nat. Sci. Philad., **1859**: 223.

Type-species: *Gnophomyia tristissima* OSTEN SACKEN, 1860: l.c.: 224 (des. COQUILLET, 1910: Proc. U.S. natn. Mus., **37**: 547); not Palaearctic.

- acheron** ALEXANDER, 1950: Ann. ent. Soc. Am., **43**: 433 (*Gnophomyia*). Type-locality: Funakosi, Iwate pref., Honshu (Japan).—Distr.: USSR: WS (Altai, Tuva), FE (Amur obl., Khabarovskiy kray, Primorskiy kray); Asia: Japan (Honshu).
- ctenura** SAVCHENKO in SAVCHENKO and KRIVOLUTSKAYA, 1976: Limoniidae of the south Kuril Islands and south Sakhalin: 104 (*Gnophomyia*). Type-locality:

- lity: near Mendeleyevo, Kunashir, Kuril Is (USSR).—Distr.: USSR: FE (Kuril Is).
- elsneri** STARÝ, 1983: *Annotnes zool.-bot. Bratisl.*, **154**: 17 (*Gnophomyia*). Type-locality: Zemberovce, Levice district, Slovakia (Czechoslovakia).—Distr.: Europe: CS, GB.
- lugubris** (ZETTERSTEDT, [1838]): *Insecta Lapp.*: 846 (*Tipula*). Type-localities: Umea; Brattiksfjell (Sweden).—Distr.: Europe: A, B, CH, CS, DK, F, NL, PL, S, SF, YU; USSR: CET (northwest), SET (Uk), WS (Altai, Tuva), FE (Primorskiy kray, Sakhalin, Kuril Is); Asia: Japan (Honshu).
- tripudians* BERGROTH, 1891: *Mitt. naturf. Ges. Bern*, **1890**: 131 (*Gnophomyia*). Type-locality: Weissenburg (Switzerland).
- tristis* ALEXANDER, 1924: *Philipp. J. Sci.*, **24**: 588 (*Gnophomyia*). Type-locality: Toyohara [= Yuzhno-Sakhalinsk], Sakhalin (USSR).
- nycteris** ALEXANDER, 1924: *Ann. ent. Soc. Am.*, **17**: 68 (*Gnophomyia*). Type-locality: Mt. Minomo, Settsu-no-kuni, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- viridipennis** (GIMMERTHAL, 1847): *Bull. Soc. nat. Moscou*, **20**(2): 146 (*Limnobia*). Type-locality: Curland (USSR).—Distr.: Europe: A, ?B, CS, D, DDR, F, GB, ?NL, PL, R, YU; USSR: NET (southwest), CET, SET (Uk, Caucasus), WS (Tuva).

### Gonomyia MEIGEN, 1818

MEIGEN, 1818: *Syst. Besch.*, **1**: 147. [Published in synonymy but available by established use prior to 1961.]

Type-species: *Limnobia tenella* MEIGEN, 1818: l.c.: 146 (mon.).

*Taphrosia* RONDANI, 1856: *Dipt. Ital. Prodromus*, **1**: 182. Type-species: *Limnobia tenella* MEIGEN, 1818: *Syst. Besch.*, **1**: 146 (orig. des.).

*Gonomyia* OSTEN SACKEN, 1869: *Smithson. misc. Collns*, **8**(219): 176, unjustified emendation.

*Leiponeura* SKUSE, 1890: see below as subgenus.

*Teuchogonomyia* ALEXANDER, 1968: see below as subgenus.

*Idiocerodes* SAVCHENKO, 1972: see below as subgenus.

*Prolipophleps* SAVCHENKO, 1972: see below as subgenus.

### Subgenus GONOMYIA MEIGEN, 1818

**abscondita** LACKSCHEWITZ, 1935: *Natuurh. Maandbl.*, **24**: 13 (*Gonomyia*). Type-locality: Macugnaga (Italy).—Distr.: Europe: A, CS, I, R, ?S; USSR: SET (Carpathians), TC. [?Conspecific with *lucidula* DE MEIJERE, 1920.]

- sulphurea* AGRELL, 1945: Opusc. ent., **10**: 24 (*Gonomyia*). Type-locality: Skärälid, Skåne (Sweden). [Synonymy not certain.]
- basilobata** ALEXANDER, 1975: JI N.Y. ent. Soc., **83**: 6 (*Gonomyia*). Type-locality: Mishgin (Iran).—Distr.: USSR: TC (Arm); Asia: Iran.
- bifida** TONNOIR in GOETGHEBUER and TONNOIR, 1920: Bull. Soc. ent. Belg., **2**: 144 (*Gonomyia*). Type-locality: Virton, Jura (Belgium).—Distr.: Europe: A, B, CH, CS, D, F, GB, I, N, S, SF, YU; USSR: NET (southwest), CET (northwest), SET, TC (Arm).
- chalaza** ALEXANDER, 1957: Ann. Mag. nat. Hist., (12) **10**: 287 (*Gonomyia*). Type-locality: Shardi, NW Frontier prov. (Pakistan).—Distr.: USSR: SMA (Ki); Asia: Pakistan.
- conoviensis** BARNES, 1924: Entomologist's mon. Mag., **60**: 140 (*Gonomyia*, as new name for *Gonomyia bispinosa* BARNES, 1923, a junior primary homonym of *Gonomyia bispinosa* ALEXANDER, 1921).—Distr.: Europe: A, BG, CH, CS, D, DDR, DK, F, GB, GR (Samos), I, IRE, R, YU; USSR: SET (west), TC, SMA; Asia: Iran.
- bispinosa* BARNES, 1923: Entomologist's mon. Mag., **59**: 255 (*Gonomyia*). Type-locality: between Dolgarrog and Talybont, Conway valley, Carnarvonshire (Great Britain).
- oxybeles* ALEXANDER, 1975: JI N.Y. ent. Soc., **83**: 8 (*Gonomyia*). Type-locality: Mughan (Iran).
- copulata** (BECKER, 1908): Mitt. zool. Mus. Berl., **4**: 83 (*Dicranomyia*). Type-locality: Orotava, Tenerife (Canary Is).—Distr.: Europe: GR (central, Crete); Canary Is.
- intermedia* SANTOS ABREU, 1923: Mems R. Acad. Cienc. Artes Barcelona, **18**: 136 (*Gonomyia*). Type-locality: Barranco del Río, La Palma (Canary Is).
- selecta* SANTOS ABREU, 1923: Mems R. Acad. Cienc. Artes Barcelona, **18**: 132 (*Gonomyia*). Type-locality: Barranco del Río, La Palma (Canary Is).
- lunulata* NIELSEN, 1959: Ent. Meddr, **29**: 67 (*Gonomyia*) Type-locality: El Pozo at Barranco de la Herradura about 1 km NW of Los Sauces, La Palma (Canary Is).
- minae* NIELSEN, 1959: Ent. Meddr, **29**: 69 (*Gonomyia*). Type-locality: Barranco de la Mina, Gran Canaria (Canary Is).
- dentata** DE MEIJERE, 1920: Tijdschr. Ent., **63**: 83 (*Gonomyia*). Type-locality: Baarn (The Netherlands).—Distr.: Europe: A, B, CH, CS, D, DDR, DK (incl. Faeroes), F, GB, I, IRE, NL, PL, S, SF; USSR: NET (southwest), CET (northwest), FE (Kamchatka).
- incisurata* TONNOIR in GOETGHEBUER and TONNOIR, 1920: Bull. Soc. ent. Belg., **2**: 145 (*Gonomyia*). Type-locality: Gedinne, Ardennes (Belgium).
- gilvipennis** ALEXANDER, 1928: Philipp. J. Sci., **36**: 477 (*Gonomyia*). Type-locality: Tatusawa, near Inawashiro, Fukushima pref., Honshu (Japan).—Distr.: Asia: Japan (Honshu).

- ingrica** LACKSCHEWITZ, 1964: Ent. Obozr., **43**: 726 (*Gonomyia*). Type-locality: Gobzhitsa, Luga district, Leningrad obl. (USSR).—Distr.: Europe: BG; USSR: NET (southwest).
- justifica** ALEXANDER, 1936: Philipp. J. Sci., **60**: 189 (*Gonomyia*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: USSR: FE (Primorskiy kray); Asia: China (Sichuan).
- kurokawae** ALEXANDER, 1957: Philipp. J. Sci., **85**: 375 (*Gonomyia*). Type-locality: Kurokawa, Echigo, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- lappona** OOSTERBROEK, 1992: nom. nov. Replacement name for *Limnobia gracilis* ZETTERSTEDT, 1838, a junior primary homonym of *Limnobia gracilis* WIEDEMANN, 1828 (*Gonomyia*).—Distr.: Europe: S. [Subgeneric position not certain.]
- gracilis* (ZETTERSTEDT, [1838]): Insecta Lapp.: 838 (*Limnobia*). Type-locality: Kengis (Sweden).
- latilobata** ALEXANDER, 1934: Philipp. J. Sci., **54**: 337 (*Gonomyia*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- lobulata** SAVCHENKO, 1980: Vestn. zool., **1980**(3): 37 (*Gonomyia*). Type-locality: Sary-Chelek nature reserve (USSR: Ki).—Distr.: USSR: SMA (Ki).
- lucidula** DE MEIJERE, 1920: Tijdschr. Ent., **63**: 83 (*Gonomyia*). Type-localities: Valkenburg; Bunde; Oldenzaal; Nieuwersluis (The Netherlands).—Distr.: Europe: A, B, BG, CH, CS, D, DDR, DK, F, GB, IRE, L, N, NL, PL, R, S, YU; USSR: NET (southwest), CET (northwest), SET. [See *abscondita*.]
- lobifera* BANGERTER, 1947: Mitt. schweiz. ent. Ges., **20**: 375 (*Gonomyia*). Type-locality: Sense river between Thörishaus and Grasburg (Switzerland).
- microdentata* BANGERTER, 1947: Mitt. schweiz. ent. Ges., **20**: 376 (*Gonomyia*). Type-locality: Schwarzsee (Switzerland).
- luteipleura** ALEXANDER, 1936: Philipp. J. Sci., **59**: 248 (*Gonomyia*). Type-locality: Mt. Daisen, Hoki, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- marini** ERHAN-DINČA, 1985: Trav. Mus. Hist. nat. Grigore Antipa, **27**: 183 (*Gonomyia*). Type-locality: Portita campsite, Golovita lake, Tulcea Co. (Roumania).—Distr.: Europe: R.
- modica** SAVCHENKO, 1972: Zool. Zh., **51**: 1337 (*Gonomyia*). Type-locality: near Archivan, Astara district, Talysh (USSR: Az).—Distr.: USSR: TC (Ge, Az).
- nansei** ALEXANDER, 1930: Philipp. J. Sci., **43**: 524 (*Gonomyia*). Type-locality: Hassensan (Taiwan).—Distr.: USSR: FE (Kuril Is); Asia: Japan (Shikoku); Taiwan.
- necopina** ALEXANDER, 1957: Philipp. J. Sci., **85**: 376 (*Gonomyia*). Type-locality: Kurokawa, Echigo, Honshu (Japan).—Distr.: USSR: FE (Kuril Is); Asia: Japan (Honshu).
- nigrotuberculata** SAVCHENKO, 1986: Vestn. zool., **1986**(1): 31 (*Gonomyia*). Type-locality: Tashkoro, Issyk Kul obl. (USSR: Ki).—Distr.: USSR: SMA (Ki).

- octospinosa** ALEXANDER, 1936: Philipp. J. Sci., **60**: 349 (*Gonomyia*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- odontostyla** SAVCHENKO, 1972: Zool. Zh., **51**: 1336 (*Gonomyia*). Type-locality: Kvak, Kondara river, Gissar Mts (USSR: Tj).—Distr.: USSR: SMA (Tj).
- omeiensis** ALEXANDER, 1930: Philipp. J. Sci., **42**: 529 (*Gonomyia*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- omogoensis** ALEXANDER, 1955: Philipp. J. Sci., **83**: 299 (*Gonomyia*). Type-locality: Omogo valley, Iyo, Shikoku (Japan).—Distr.: Asia: Japan (Shikoku).
- papposa** SAVCHENKO, 1983: Zool. Zh., **62**: 643 (*Gonomyia*). Type-locality: Khosrovskiy nature reserve, Ararat district (USSR: Arm).—Distr.: USSR: TC (Arm).
- principalis** ALEXANDER, 1938: Philipp. J. Sci., **66**: 330 (*Gonomyia*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- recta** TONNOIR in GOETGHEBUER and TONNOIR, 1920: Bull. Soc. ent. Belg., **2**: 145 (*Gonomyia*). Type-locality: Virton, Jura (Belgium).—Distr.: Europe: A, B, BG, CH, CS, D, DDR, DK, F, GB, R, S, YU; USSR: CET (Li), SET (Uk, Crimea).
- serpentigera** SAVCHENKO, 1983: Limoniidae of south Primorye: 101 (*Gonomyia*). Type-locality: near Primorskiy, Primorskiy kray (USSR).—Distr.: USSR: FE (Primorskiy kray).
- sexlobata** SAVCHENKO in SAVCHENKO and PARKHOMENKO, 1978: Vestn. zool., **1978**(1): 32 (*Gonomyia*). Type-locality: Uryukty, southern slopes of Zailiyskiy Alatau (USSR).—Distr.: USSR: KZ (Zailiyskiy Alatau), SMA (Ki).
- sicula** LACKSCHEWITZ, 1940: Annln naturh. Mus. Wien, **50**: 58 and 59 (*Gonomyia*). Type-locality: Palermo, Sicily (Italy).—Distr.: Europe: I (Sicily).
- simplex** TONNOIR in GOETGHEBUER and TONNOIR, 1920: Bull. Soc. ent. Belg., **2**: 145 (*Gonomyia*). Type-localities: La Hulpe; Forêt de Soignes; Linkebeek (Belgium).—Distr.: Europe: A, B, BG, CH, CS, D, DDR, DK, F, GB, I, IRE, N, PL, R, S, SF; USSR: NET (southwest), CET (northwest), SET (Carpathians).
- spinula** SAVCHENKO, 1983: Limoniidae of south Primorye: 100 (*Gonomyia*). Type-locality: near Vladivostok, Primorskiy kray (USSR).—Distr.: USSR: FE (Primorskiy kray).
- stackelbergi** LACKSCHEWITZ, 1935: Tromsø Mus. Årsh., (4) **53**(4): 11 (*Gonomyia*). Type-localities: Fløifjell; Tromsdal (Norway); Uleåborg (Finland); Jukki (Ingermanland) [= Leningrad obl.] (USSR) (the last by holotype [= lectotype] des. of LACKSCHEWITZ, 1964).—Distr.: Europe: ?DDR, N, S, SF; USSR: NET (west), CET (northwest), FE (Magadan obl., Kamchatka); Asia: Mongolia.
- subtenella** SAVCHENKO, 1972: Zool. Zh., **51**: 1339 (*Gonomyia*). Type-locality: near Lerik, Talysh (USSR: Az).—Distr.: USSR: TC (Ge, Az); Asia: Iran.



- elburzensis* ALEXANDER, 1975: JI N.Y. ent. Soc., **83**: 7 (*Gonomyia*). Type-locality: Lius (Iran).
- superba** ALEXANDER, 1913: Can. Ent., **45**: 285 (*Gonomyia*). Type-locality: Tokyo, Honshu (Japan).—Distr.: USSR: FE (Primorskiy kray, Kuril Is); Asia: North Korea, Japan (Hokkaido, Honshu), China (northeast).
- tenella** (MEIGEN, 1818): Syst. Besch., **1**: 146 (*Limnobia*). Type-locality: not given.—Distr.: Europe: A, B, BG, CH, CS, D, DDR, DK, ?E, F (incl. Corsica), GB, H, I, IRE, N, NL, PL, R, S, SF, YU; USSR: NET, CET, SET; North Africa: ?Morocco, ?Algeria.
- symmetrica* BANGERTER, 1947: Mitt. schweiz. ent. Ges., **20**: 374 (*Gonomyia*). Type-locality: Sense river between Thörishaus and Grasburg (Switzerland).
- theowaldi** STARÝ, 1982: Bull. zool. Mus. Univ. Amsterdam, **9**: 29 (*Gonomyia*). Type-locality: Col de Vizzavona, NE slope, Corsica (France).—Distr.: Europe: F (Corsica), I (Sardinia).
- tristylata** SAVCHENKO, 1983: Limoniidae of south Primorye: 100 (*Gonomyia*). Type-locality: Kedrovaya Pad, Khasan district, Primorskiy kray (USSR).—Distr.: USSR: FE (Primorskiy kray).
- vana** SAVCHENKO, 1980: Vestn. zool., **1980**(3): 36 (*Gonomyia*). Type-locality: near Kurgan-Tyube (USSR: Tj).—Distr.: USSR: SMA (Ki, Tj); Asia: Afghanistan.

#### Subgenus IDIOCERODES SAVCHENKO, 1972

- SAVCHENKO, 1972: Zool. Zh., **51**: 1330 (as subgenus of *Gonomyia* MEIGEN, 1818).  
Type-species: *Gonomyia cognatella* OSTEN SACKEN, 1860: Proc. Acad. nat. Sci. Philad., **1859**: 230 (orig. des.); not Palaearctic.
- concinna** LACKSCHEWITZ, 1940: Annln naturh. Mus. Wien, **50**: 58 and 61 (*Gonomyia*). Type-locality: Skopje (Yugoslavia).—Distr.: Europe: AL, R, YU. [See *diabarica*.]
- diabarica** SAVCHENKO, 1972: Zool. Zh., **51**: 1334 (*Gonomyia*). Type-locality: near Gosmalyan, Diabar gorge, Talysh (USSR: Az).—Distr.: USSR: TC (Az), SMA (Tu). [?Conspecific with *concinna* LACKSCHEWITZ, 1940.]
- subcognatella** ALEXANDER, 1932: Philipp. J. Sci., **49**: 128 (*Gonomyia*). Type-locality: Kwanhsien, Sichuan (China).—Distr.: Asia: China (Sichuan).

## Subgenus LEIPONEURA SKUSE, 1890

SKUSE, 1890: Proc. Linn. Soc. N.S.W., (2) 4: 795 (as genus).

Type-species: *Leiponeura gracilis* SKUSE 1890: l.c.: 796 (des ALEXANDER, 1913: Proc. U.S. natn. Mus., 44: 503) [= *skusei* ALEXANDER, 1919]; not Palearctic.

*Lipophleps* BERGROTH, 1915: Psyche, 22: 55 (as genus, as [unnecessary] new name for *Leiponeura* SKUSE, 1890, not a junior homonym of *Liponeura* LOEW, 1844).

Type-species: *Leiponeura gracilis* SKUSE 1890: Proc. Linn. Soc. N.S.W., (2) 4: 796 (aut.) [= *skusei* ALEXANDER, 1919]; not Palearctic.

**angulifera** ALEXANDER, 1933: Philipp. J. Sci., 50: 154 (*Gonomyia*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).

**aquila** ALEXANDER, 1934: Philipp. J. Sci., 54: 334 (*Gonomyia*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).

**[atrox** ALEXANDER, 1937: Philipp. J. Sci., 63: 393 (*Gonomyia*). Type-locality: Mt. Hong, Jiangxi (China).—Distr.: Asia: China (Jiangxi).]

**flavocostalis** ALEXANDER, 1924: Philipp. J. Sci., 24: 590 (*Gonomyia*). Type-locality: Jozankei, Hokkaido (Japan).—Distr.: Asia: Japan (Hokkaido).

**incompleta** BRUNETTI, 1912: Fauna Brit. India, Dipt., 1: 471 (*Gonomyia*). Type-locality: not given (India).—Distr.: Asia: Japan (Honshu), China; India, Malaya, Borneo. [See *melanorhyncha*.]

*insulensis* ALEXANDER, 1913: Can. Ent., 45: 286 (*Gonomyia*). Type-locality: Tokyo, Honshu (Japan).

**[inquisita** ALEXANDER, 1937: Philipp. J. Sci., 63: 390 (*Gonomyia*). Type-locality: Wong-sa-shue, Jiangxi (China).—Distr.: Asia: China (Jiangxi).]

**melanorhyncha** SAVCHENKO, 1987: Zool. Zh., 66: 304 (*Gonomyia*). Type-locality: near Zanadvorovka, Khasan district, Primorskiy kray (USSR).—Distr.: USSR: FE (Primorskiy kray). [?Conspecific with *incompleta* BRUNETTI, 1912.]

**parvispinosa** ALEXANDER, 1938: Philipp. J. Sci., 66: 329 (*Gonomyia*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).

**pusilla** (LACKSCHEWITZ, 1964): Ent. Obozr., 43: 726 (*Lipophleps*). Type-locality: Minusinsk, Krasnóyarskiy kray (USSR).—Distr.: USSR: ES (south).

**quadrifila** ALEXANDER, 1930: Philipp. J. Sci., 42: 530 (*Gonomyia*). Type-locality: Yasakagawa, Oita pref., Kyushu (Japan).—Distr.: Asia: Japan (Shikoku, Kyushu).

**sauteri** ALEXANDER, 1930: Philipp. J. Sci., 43: 525 (*Gonomyia*). Type-locality: Daitotei (Taiwan).—Distr.: Asia: Japan (Shikoku), China (as far west as Sichuan); Taiwan.

## Subgenus PROLIPOPHLEPS SAVCHENKO, 1972

SAVCHENKO, 1972: Zool. Zh., **51**: 1331 (as subgenus of *Gonomyia* MEIGEN, 1818).

Type-species: *Gonomyia abbreviata* LOEW, 1873: Besch. europ. Dipt., **3**: 58 (orig. des.).

**abbreviata** LOEW, 1873: Besch. europ. Dipt., **3**: 58 (*Gonomyia*). Type-locality: Reichenhall [D].—Distr.: Europe: A, B, CH, CS, D, DDR, F, GB, I, NL, PL, R, S; Asia: Iran.

**anomala** STROBL, 1880: Progr. k.k. Ober-Gymn. Benedictiner Seitenstetten, **1880**: 64 (*Gonomyia*). Type-locality: Seitenstetten (Austria).

**brachistyla** SAVCHENKO, 1972: Zool. Zh., **51**: 1340 (*Gonomyia*). Type-locality: near Bilasar, Lenkoran district, Talysh (USSR: Az).—Distr.: USSR: TC (Az).

**divergens** BANGERTER, 1947: Mitt. schweiz. ent. Ges., **20**: 371 (*Gonomyia*). Type-locality: Sensetal (Switzerland).—Distr.: Europe: CH, CS, D, DDR, F, R.

**funesta** ALEXANDER, 1936: Philipp. J. Sci., **60**: 188 (*Gonomyia*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).

**gracilistylus** ALEXANDER, 1925: Ann. Mag. nat. Hist., (9) **15**: 70 (*Gonomyia*). Type-locality: Mt. Hakone, Sagami-no-kuni, Honshu (Japan).—Distr.: USSR: FE (Kuril Is); Asia: Japan (Honshu, Kyushu).

**reducta** BANGERTER, 1947: Mitt. schweiz. ent. Ges., **20**: 373 (*Gonomyia*). Type-locality: Sensetal (Switzerland).—Distr.: Europe: CH.

## Subgenus TEUCHOGONOMYIA ALEXANDER, 1968

ALEXANDER, 1968: Philipp. J. Sci., **96**: 66 (as subgenus of *Gonomyia* MEIGEN, 1818).

Type-species: *Gonomyia noveboracensis* ALEXANDER, 1916: Can. Ent., **48**: 319 (orig. des.); not Palearctic.

**curvistyla** SAVCHENKO in SAVCHENKO and RYBIN, 1982: Ent. Obozr., **61**: 394 (*Gonomyia*). Type-locality: near Gulcha (USSR: Ki).—Distr.: USSR: SMA (Ki).

**edwardsi** LACKSCHEWITZ, 1925: Arb. NaturfVer. Riga (N.F.), **16**: 7 (*Gonomyia*). Type-localities: several localities in "Livland" and "Kurland" (USSR: Li, La).—Distr.: Europe: BG, CH, CS, GB, I, R, S, SF; USSR: CET (northwest).

**horribilis** ALEXANDER, 1941: Philipp. J. Sci., **76**: 60 (*Gonomyia*). Type-locality: Kamikochi, Honshu (Japan).—Distr.: USSR: FE (Sakhalin); Asia: Japan (Honshu). [?Conspecific with *ithyphallus* LACKSCHEWITZ, 1935.]

- ithyphallus** LACKSCHEWITZ, 1935: *Natuurh. Maandbl.*, **24**: 14 (*Gonomyia*).  
Type-locality: Tiers [= Tires] (Italy).—Distr.: Europe: A, CH, CS, D, I, R.  
[See *horribilis*.]
- quadrilobata** SAVCHENKO, 1983: *Limoniidae of south Primorye*: 101 (*Gonomyia*).  
Type-locality: near Primorskiy, Primorskiy kray (USSR).—Distr.: USSR: FE  
(Amur obl., Primorskiy kray).

### Gymnastes BRUNETTI, 1911

- BRUNETTI, 1911: *Rec. Indian Mus.*, **6**: 281.  
Type-species: *Gymnastes violaceus* BRUNETTI, 1911: l.c.: 282 (mon.); not Palearctic.
- Paragymnastes* ALEXANDER, 1922: see below as subgenus.

### Subgenus GYMNASTES BRUNETTI, 1911

- omeicola** ALEXANDER, 1935: *Philipp. J. Sci.*, **57**: 216 (*Gymnastes*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).

### Subgenus PARAGYMNASTES ALEXANDER, 1922

- ALEXANDER, 1922: *Proc. Linn. Soc. N.S.W.*, **47**: 583 (as genus).  
Type-species: *Limnobia fascipennis* THOMSON, 1869: *K. Svenska Fregatten Eugénies*, **2**(1): 447 (orig. des.); not Palearctic.
- flavitibia** (ALEXANDER, 1919): *Ann. ent. Soc. Am.*, **12**: 333 (*Paratropeza*). Type-locality: Chichibu, Saitama pref., Honshu (Japan).—Distr.: USSR: FE (Kuril Is); Asia: Japan (Honshu, Shikoku, Kyushu).
- flavitibia apicata** ALEXANDER, 1940: *Lingnan Sci. J.*, **19**: 115 (*Gymnastes*).  
Type-locality: Mt. Tien-mu, Zhejiang (China).—Distr.: Asia: China (Zhejiang).

### Idiocera DALE, 1842

- DALE, 1842: *Ann. Mag. nat. Hist.*, (1) **8**: 431 (as subgenus of *Limnobia* MEIGEN, 1818).  
Type-species: *Limnobia sexguttata* DALE, 1842: l.c.: 431 (mon.).
- Ptilostena* BERGROTH, 1913: *Ann. Mag. nat. Hist.*, (8) **11**: 575. Type-species: *Ptilostena recurvinervis* BERGROTH, 1913: l.c.: 576 (mon.).

- Pseudogonomyia* SANTOS ABREU, 1923: Mem. R. Acad. Cienc. Artes Barcelona, **18**: 139. Type-species: *Pseudogonomyia filicina* SANTOS ABREU, 1923: l.c.: 140 (mon.) [= *?pulchripennis* (LOEW, 1856)].  
*Euptilostena* ALEXANDER, 1938: see below as subgenus.

### Subgenus EUPTILOSTENA ALEXANDER, 1938

ALEXANDER, 1938: Philipp. J. Sci., **66**: 126 (as subgenus of *Gonomyia* MEIGEN, 1818).

Type-species: *Gonomyia reticulata* ALEXANDER, 1921: Bull. Mus. natn. Hist. nat. Paris, (1) **27**: 305 (orig. des.).

- jucunda** (LOEW, 1873): Besch. europ. Dipt., **3**: 54 (*Gonomyia*). Type-locality: Galizia (Poland).—Distr.: Europe: A, CH, CS, D, F, PL, R, YU; North Africa: ?Morocco.  
**multipunctata** SAVCHENKO in SAVCHENKO and RYBIN, 1982: Ent. Obozr., **61**: 395 (*Idiocera*). Type-locality: 4 km S Kadamchay (USSR: Ki).—Distr.: USSR: SMA (Ki). [?Conspecific with *reticulata* ALEXANDER, 1921.]  
**pseudojucunda** (PIERRE, 1924): Encycl. ent. (B II) Dipt., **1**: 81 (*Gonomyia*). Type-locality: Lozère (France).—Distr.: Europe: F.  
**reticulata** (ALEXANDER, 1921): Bull. Mus. natn. Hist. nat. Paris, (1) **27**: 305 (*Gonomyia*). Type-locality: Cha Tchéou at Kan Tchéou, Nan Chan, Inner Mongolia (China).—Distr.: Asia: China (Inner Mongolia); India (Kashmir). [See *multipunctata*.]

### Subgenus IDIOCERA DALE, 1842

- abjecta** (ALEXANDER, 1933): Philipp. J. Sci., **50**: 152 (*Gonomyia*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).  
**acifurca** (ALEXANDER, 1954): Ann. Mag. nat. Hist., (12) **7**: 899 (*Gonomyia*). Type-locality: Achmedi Dewane, Bashgul valley, Nuristan (Afghanistan).—Distr.: USSR: SMA (Tj); Asia: Afghanistan; Pakistan, India.  
**afghanica** (NIELSEN, 1963): Stuttg. Beitr. Naturk., No **118**: 5 (*Gonomyia*). Type-localities: Almar, Maimaneh region; Ichkachim at entrance of Vakhm (Afghanistan).—Distr.: USSR: SMA (Ki); Asia: Afghanistan.  
**alexanderiana** (LACKSCHEWITZ, 1940): Annln naturh. Mus. Wien, **50**: 53 (*Gonomyia*). Type-locality: Kula Ljums (Albania).—Distr.: Europe: AL, R.  
**ampullifera** (STARÝ, 1979): Entomologists's mon. Mag., **114**: 91 (*Gonomyia*). Type-locality: Siwa depression, Koreishid (Egypt).—Distr.: North Africa: Egypt.

- antilopina** STARÝ, 1982: Bull. zool. Mus. Univ. Amsterdam, **9**: 30 (*Idiocera*).  
Type-locality: Biviere di Cesaro, Sicily (Italy).—Distr.: I (Sicily).
- arete** (ALEXANDER, 1958): Philipp. J. Sci., **86**: 311 (*Gonomyia*). Type-locality:  
Kurokawa, Echigo, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- bidens** SAVCHENKO, 1979: Dokl. Akad. Nauk ukr. RSR (B), **1979**: 772 (*Idiocera*).  
Type-locality: Myussera, Pitsunda nature reserve, Abkhaz ASSR (USSR:  
Ge).—Distr.: USSR: TC (northwest).
- bradleyi** (EDWARDS, 1939): Entomologist's mon. Mag., **75**: 247 (*Gonomyia*).  
Type-locality: Wyre Forest, Worcsire (Great Britain).—Distr.: Europe: CS,  
D, GB, R; USSR: SET (Carpathians), TC (Ge).
- connexa** (LOEW, 1873): Besch. europ. Dipt., **3**: 55 (*Gonomyia*). Type-localities: St.  
Moritz (Switzerland); Wiener Schneeberg (Austria).—Distr.: Europe: A, CH,  
D, F, ?GB [=?*sziladyi*].
- curticurva** (ALEXANDER, 1975): JI N.Y. ent. Soc., **83**: 2 (*Gonomyia*). Type-locality:  
Bar (Iran).—Distr.: Asia: Iran.
- hasta** STARÝ, 1982: Bull. zool. Mus. Univ. Amsterdam, **9**: 32 (*Idiocera*). Type-locality:  
Michurin (Bulgaria).—Distr.: Europe: BG.
- insidiosa** (ALEXANDER, 1938): Philipp. J. Sci., **66**: 331 (*Gonomyia*). Type-locality:  
Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- kowalskii** STARÝ et KRZEMIŃSKI, 1984: Annotnes zool.-bot. Bratisl., **159**: 1  
(*Idiocera*). Type-locality: Monkey valley, Chiffa near Blida (Algeria).—Distr.:  
North Africa: Algeria.
- kuwayamai** (ALEXANDER, 1926): Philipp. J. Sci., **31**: 368 (*Gonomyia*). Type-locality:  
Maruyama, near Sapporo, Ishikari-no-kuni, Hokkaido (Japan).—Distr.:  
Asia: Japan (Hokkaido).
- lackschewitzi** (STARÝ, 1977): Entomologist's mon. Mag., **112**: 69 (*Gonomyia*, as  
new name for *Gonomyia punctata* LACKSCHEWITZ, 1940, a junior primary  
homonym of *Gonomyia punctata* EDWARDS, 1938).—Distr.: Europe: AL.  
*punctata* (LACKSCHEWITZ, 1940): Annln naturh. Mus. Wien, **50**: 52 (*Gonomyia*).  
Type-locality: Kula Ljums (Albania) (the same by lectotype des. of  
STARÝ, 1977).
- laterospina** (ALEXANDER, 1975): JI N.Y. ent. Soc., **83**: 3 (*Gonomyia*). Type-locality:  
Bar (Iran).—Distr.: USSR: TC (Arm); Asia: Iran.
- [**maharaja** (ALEXANDER, 1961): JI N.Y. ent. Soc., **69**: 124 (*Gonomyia*). Type-locality:  
Lata, Pauri Garhwal, Kumaon (India).—Distr.: USSR: ?SMA (?Tj);  
Asia: India.]
- multiarmata** (ALEXANDER, 1940): Philipp. J. Sci., **71**: 193 (*Gonomyia*). Type-locality:  
Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- nigrilobata** (ALEXANDER, 1957): Philipp. J. Sci., **85**: 372 (*Gonomyia*). Type-locality:  
Kurokawa, Echigo, Honshu (Japan).—Distr.: USSR: FE (Kuril Is);  
Asia: Japan (Honshu).
- octavia** (ALEXANDER, 1938): Philipp. J. Sci., **66**: 333 (*Gonomyia*). Type-locality:  
Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).

- octoapiculata** (SAVCHENKO, 1972): Zool. Zh., **51**: 1333 (*Gonomyia*). Type-locality: near Gosmalyan, Diabar gorge, Talysh (USSR: Az).—Distr.: USSR: TC (Az).
- ornatula** (LACKSCHEWITZ, 1964): Ent. Obozr., **43**: 725 (*Gonomyia*). Type-locality: Kazakh (USSR: Az).—Distr.: USSR: TC (Az).
- orthophallus** (ALEXANDER, 1975): JI N.Y. ent. Soc., **83**: 4. (*Gonomyia*). Type-locality: Durbadam (Iran).—Distr.: Asia: Iran.
- pallens** (ALEXANDER, 1928): Philipp. J. Sci., **36**: 474 (*Gonomyia*). Type-locality: Sakunami, near Sendai, Miyagi pref., Honshu (Japan).—Distr.: USSR: FE (Kuril Is); Asia: Japan (Honshu). [See *perpallens*.]
- perpallens** (ALEXANDER, 1938): Philipp. J. Sci., **67**: 160 (*Gonomyia*). Type-locality: Ompo (North Korea).—Distr.: USSR: WS (Sayan Mts), FE (Kamchatka, Primorskiy kray, Kuril Is); Asia: North Korea. [?Conspecific with *pallens* ALEXANDER, 1928.]
- przewalskii** (LACKSCHEWITZ, 1964): Ent. Obozr., **43**: 722 (*Gonomyia*). Type-locality: northeast Zaidam, river Bomyn, Itchegyn, Gobi, Inner Mongolia (China).—Distr.: Asia: China (Inner Mongolia).
- pulchripennis** (LOEW, 1856): Programm k. Realschule zu Meseritz, **1856**: 23 (*Limnobia*). Type-locality: Neusiedler See (Austria).—Distr.: Europe: A, AL, BG, CH, CS, CY, DK, GR, H, PL, R, YU; USSR: SET (Uk), TC, SMA; Asia: Israel, Iran, Afghanistan; North Africa: Morocco, Algeria, Egypt; Canary Is.
- filicina* (SANTOS ABREU, 1923): Mem. R. Acad. Cienc. Artes Barcelona, **18**: 140 (*Pseudogonomyia*). Type-locality: Barranco del Río, La Palma (Canary Is). [Synonymy not certain.]
- similior* (ALEXANDER, 1956): Ann. Mag. nat. Hist., (12) **9**: 50 (*Gonomyia*). Type-locality: Kandahar-Kuna (Afghanistan).
- punctata** (EDWARDS, 1938): Trans. Soc. Br. Ent., **5**: 107 (*Gonomyia*). Type-locality: Mulgrave woods, Yorkshire (Great Britain) (the same by lectotype des. of STARÝ, 1977).—Distr.: Europe: A, BG, CH, CS, GB, I; USSR: TC (Az); Asia: ?Afghanistan.
- recurvinervis** (BERGROTH, 1913): Ann. Mag. nat. Hist., (8) **11**: 576 (*Ptilostena*). Type-localities: Verni [= Alma-Ata]; Kendyktau Mts (USSR).—Distr.: USSR: KZ.
- sachalinensis** (ALEXANDER, 1924): Philipp. J. Sci., **24**: 590 (*Gonomyia*). Type-locality: Toyohara [= Yuzhno-Sakhalinsk], Sakhalin (USSR).—Distr.: USSR: FE (Sakhalin).
- sarobiensis** (NIELSEN, 1961): Beitr. naturk. Forsch. SüdwDtl., **19**: 305 (*Gonomyia*). Type-locality: Sarobi (Afghanistan).—Distr.: USSR: SMA (Tj); Asia: Afghanistan. [?Conspecific with *sziladyi* LACKSCHEWITZ, 1940.]
- schrenkii** (MIK in HEYDEN, 1889): Horae Soc. ent. ross., **23**: 98 (*Gonomyia*). Type-locality: east Kirghizia (USSR).—Distr.: USSR: TC (Az), KZ (Zailiyskiy Alatau), SMA; Asia: Mongolia.

- serrulifera** (ALEXANDER, 1957): Philipp. J. Sci., **85**: 373 (*Gonomyia*). Type-locality: Kurokawa, Echigo, Honshu (Japan).—Distr.: USSR: FE (Primorskiy kray); Asia: Japan (Honshu).
- sexdentata** (NIELSEN, 1963): Stuttg. Beitr. Naturk., No **118**: 6 (*Gonomyia*). Type-locality: Paghman [= ?Paghman] (Afghanistan).—Distr.: Asia: Afghanistan.
- sexguttata** (DALE, 1842): Ann. Mag. nat. Hist., (1) **8**: 431 (*Limnobia*). Type-localities: Cosmore; New Forest; Charmouth (Great Britain).—Distr.: Europe: GB.
- shantungensis** (ALEXANDER, 1930): Philipp. J. Sci., **42**: 77 (*Gonomyia*). Type-locality: Mt. Lau, east of Tsingtao, Shandong (China).—Distr.: USSR: FE (Kuril Is); Asia: Japan (Shikoku), China (Shandong).
- spinulistyla** (ALEXANDER, 1975): JI N.Y. ent. Soc., **83**: 6 (*Gonomyia*). Type-locality: Bar (Iran).—Distr.: Asia: Iran.
- subpruinosa** (ALEXANDER, 1924): Philipp. J. Sci., **24**: 588 (*Gonomyia*). Type-locality: Jozankei, Hokkaido (Japan).—Distr.: Asia: Japan (Hokkaido, Honshu).
- sziladyi** (LACKSCHEWITZ, 1940): Annln naturh. Mus. Wien, **50**: 54 (*Gonomyia*). Type-locality: Varsec (Bulgaria).—Distr.: Europe: BG, CS, ?GB, R; North Africa: Algeria, Egypt; Canary Is. [See *connexa* and *sarobiensis*.]
- teranishii** (ALEXANDER, 1921): Ann. ent. Soc. Am., **14**: 118 (*Gonomyia*). Type-locality: Koiwai farm, near Morioka, Honshu (Japan).—Distr.: USSR: FE (Kuril Is); Asia: Japan (Honshu), China (Sichuan, Zhejiang); China (Fujian).
- theowaldi** SAVCHENKO in SAVCHENKO and RYBIN, 1982: Ent. Obozr., **61**: 396 (*Idiocera*). Type-locality: Osh (USSR: Ki).—Distr.: USSR: SMA (Ki).

### **Idlognophomyia** ALEXANDER, 1956

ALEXANDER, 1956: Ann. Natal Mus., **13**: 403 (as subgenus of *Gnophomyia* OSTEN SACKEN, 1860).

Type-species: *Gnophomyia capicola* ALEXANDER, 1934: Encycl. ent. (B II) Dipt., **7**: 57 (orig. des.); not Palearctic.

- collata** (ALEXANDER, 1932): Philipp. J. Sci., **49**: 395 (*Gnophomyia*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- laterospinosa** (ALEXANDER, 1928): Philipp. J. Sci., **36**: 473 (*Gnophomyia*). Type-locality: Tatusawa, near Inawashiro, Fukushima pref., Honshu (Japan).—Distr.: Asia: Japan (Honshu).



**Lipsothrix** LOEW, 1873

LOEW, 1873: *Beschr. europ. Dipt.*, **3**: 67.

Type-species: *Lipsothrix nobilis* LOEW, 1873: l.c.: 67 (mon.).

*Electrolabis* ALEXANDER, 1931: *Bernst. Forsch.*, **2**: 58 (fossil). Type-species: *Electrolabis extincta* ALEXANDER, 1931: l.c.: 58 (mon.) (fossil).

**apicifusca** ALEXANDER, 1957: *Philipp. J. Sci.*, **85**: 377 (*Lipsothrix*). Type-locality: Kurokawa, Echigo, Honshu (Japan).—Distr.: Asia: Japan (Honshu).

**babai** ALEXANDER, 1958: *Philipp. J. Sci.*, **86**: 314 (*Lipsothrix*). Type-locality: Kurokawa, Echigo, Honshu (Japan).—Distr.: Asia: Japan (Honshu).

**ecucullata** EDWARDS, 1938: *Trans. Soc. Br. Ent.*, **5**: 102 (*Lipsothrix*). Type-locality: Inveran, Sutherland (Great Britain).—Distr.: Europe: A, CS, D, DK, GB, N, S; USSR: NET (southwest), CET (northwest, south Ural), SET (Carpathians).

**errans** (WALKER, 1848): *List Dipt. Brit. Mus.*, **1**: 55 (*Limnobia*). Type-locality: England (Great Britain).—Distr.: Europe: A, B, BG, CH, CS, D, DDR, DK, F, GB, PL, R, S, YU; USSR: NET (southwest), CET (northwest), SET (west).

*icterica* (EGGER, 1863): *Verh. zool.-bot. Ges. Wien*, **13**: 1105 (*Trichosticha*). Type-locality: Gmunden (Austria).

**leucopeza** ALEXANDER, 1953: *Philipp. J. Sci.*, **82**: 170 (*Lipsothrix*). Type-locality: Totidani, near Yanase, Tosa, Shikoku (Japan).—Distr.: Asia: Japan (Shikoku).

**mirabilis** ALEXANDER, 1940: *Philipp. J. Sci.*, **71**: 192 (*Lipsothrix*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).

**nervosa** EDWARDS, 1938: *Trans. Soc. Br. Ent.*, **5**: 103 (*Lipsothrix*). Type-locality: Rousdon, east Devon (Great Britain).—Distr.: Europe: GB.

**nigristigma** EDWARDS, 1938: *Trans. Soc. Br. Ent.*, **5**: 102 (*Lipsothrix*). Type-locality: Clayton-le-Dale, Lancashire (Great Britain).—Distr.: Europe: GB, R; USSR: CET (Li), SET (Crimea), TC (Ge). [?Conspecific with *nobilis* LOEW, 1873.]

**nigristigma iranica** ALEXANDER, 1975: *Jl N.Y. ent. Soc.*, **83**: 121 (*Lipsothrix*, as species). Type-locality: Ardehjan (Iran).—Distr.: USSR: TC (Az); Asia: Iran.

**nobilis** LOEW, 1873: *Beschr. europ. Dipt.*, **3**: 67 (*Lipsothrix*). Type-locality: As (Czechoslovakia).—Distr.: Europe: A, CS, D, F, YU. [See *nigristigma*.]

**remota** (WALKER, 1848): *List Dipt. Brit. Mus.*, **1**: 43. (*Limnobia*). Type-locality: England (Great Britain).—Distr.: Europe: A, AL, B, BG, CH, CS, D, DDR, DK, F, GB, H, I, NL, PL, R, S, YU; USSR: CET (northwest), SET (west). [See *tokunagai*.]

*ignota* (WALKER, 1848): *List Dipt. Brit. Mus.*, **1**: 43 (*Limnobia*). Type-locality: England (Great Britain).

- clara* (TONNOIR in GOETGHEBUER and TONNOIR, 1921): Bull. Soc. ent. Belg., 3: 52 (*Limnophila*). Type-locality: Buzenol, Jura (Belgium).
- tokunagai** ALEXANDER, 1933: Philipp. J. Sci., 50: 152 (*Lipsothrix*). Type-locality: Mt. Daisen, Tottori, Honshu (Japan).—Distr.: USSR: FE (Kuril Is); Asia: Japan (Honshu). [?Conspecific with *remota* WALKER, 1848.]
- yakushimae** ALEXANDER, 1930: Philipp. J. Sci., 42: 75 (*Lipsothrix*). Type-locality: Kosugidani, Yakushima, Kyushu (Japan).—Distr.: Asia: Japan (Kyushu).
- yamamotoana** ALEXANDER, 1950: Ann. ent. Soc. Am., 43: 433 (*Lipsothrix*). Type-locality: Funakosi, Iwate pref., Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- yamamotoana omogoensis** ALEXANDER, 1954: Philipp. J. Sci., 82: 301 (*Lipsothrix*). Type-locality: Omogokei, Shikoku (Japan).—Distr.: Asia: Japan (Shikoku).

### Rhabdomastix SKUSE, 1890

SKUSE, 1890: Proc. Linn. Soc. N.S.W., (2) 4: 828.

Type-species: *Rhabdomastix ostensackeni* SKUSE, 1890: l.c.: 829 (mon.); not Palaearctic.

*Palaeogonomyia* MEUNIER, 1899: see below as subgenus.

*Sacandaga* ALEXANDER, 1911: see below as subgenus.

### Subgenus PALAEOGONOMYIA MEUNIER, 1899

MEUNIER, 1899: Bull. Soc. ent. Fr., 1899: 359 (as genus) (fossil).

Type-species: *Gonomyia pulcherrima* MEUNIER, 1906: Ann. Sci. nat., (Zool.), (9) 4: 372 (des. ALEXANDER, 1931: Bernst. Forsch., 2: 112) (fossil).

**hirticornis** (LACKSCHEWITZ, 1940): Annln naturh. Mus. Wien, 50: 55 (*Gonomyia*). Type-locality: Kula Ljums (Albania).—Distr.: Europe: AL, CH, CS, PL, R; USSR: SET (Bukovina).

*signata* BANGERTER, 1947: Mitt. schweiz. ent. Ges., 20: 377 (*Rhabdomastix*). Type-locality: Sense river between Thörishaus and Grasburg (Switzerland).

**leucophaea** SAVCHENKO, 1976: Dopov. Akad. Nauk ukr. RSR (B), 1976: 561 (*Rhabdomastix*). Type-locality: Saribash (USSR: Az).—Distr.: USSR: TC (Az).

**omeina** ALEXANDER, 1932: Philipp. J. Sci., 49: 394 (*Rhabdomastix*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).

## Subgenus SACANDAGA ALEXANDER, 1911

ALEXANDER, 1911: Ent. News, **22**: 349 (as genus).

Type-species: *Sacandaga flava* ALEXANDER, 1911: l.c.: 351 (orig. des.); not Palearctic.

**angusticellula** ALEXANDER, 1957: Philipp. J. Sci., **85**: 378 (*Rhabdomastix*).  
Type-locality: Kurokawa, Echigo, Honshu (Japan).—Distr.: Asia: Japan (Honshu).

**atrata** ALEXANDER, 1925: Ann. ent. Soc. Am., **17**: 436 (*Rhabdomastix*). Type-locality: Emimura, Chiba pref., Honshu (Japan).—Distr.: USSR: FE (Kuril Is); Asia: Japan (Honshu).

**beckeri** (LACKSCHEWITZ, 1935): Natuurh. Maandbl., **24**: 13 (*Sacandaga*). Type-locality: Orsova, Banat (Roumania).—Distr.: Europe: CS, R.

**cunctans** TJEDER, 1955: Opusc. ent., **20**: 226 (*Rhabdomastix*). Type-locality: Vensnäsudden, Mora (Sweden).—Distr.: Europe: S (central). [?Conspecific with *laeta* LOEW, 1873.]

**edwardsi** TJEDER, 1967: Opusc. ent., **32**: 225 (*Rhabdomastix*). Type-locality: Sidmouth, Devonshire (Great Britain).—Distr.: Europe: CS, GB.

[**emodicola** ALEXANDER, 1957: Ann. Mag. nat. Hist., (12) **10**: 291 (*Rhabdomastix*). Type-locality: Dhanni, Kashmir (Pakistan).—Distr.: USSR: ?SMA (?Ki); Asia: Pakistan.]

**holomelania** ALEXANDER, 1935: Philipp. J. Sci., **56**: 558 (*Rhabdomastix*). Type-locality: Kwanhsien, Sichuan (China).—Distr.: Asia: China (Sichuan).

**inclinata** EDWARDS, 1938: Trans. Soc. Br. Ent., **5**: 116 (*Rhabdomastix*). Type-locality: near Whitby, Mulgrave Woods, Yorkshire (Great Britain).—Distr.: Europe: GB, R; USSR: ?SET (?Carpathians).

**japonica** ALEXANDER, 1924: Ann. ent. Soc. Am., **17**: 69 (*Rhabdomastix*). Type-locality: Tokyo, Honshu (Japan).—Distr.: USSR: FE (Primorskiy kray, Sakhalin, Kuril Is); Asia: North Korea, Japan (Hokkaido, Honshu, Shikoku, Kyushu). [?Conspecific with *laeta* LOEW, 1873.]

**laeta** (LOEW, 1873): Besch. europ. Dipt., **3**: 60 (*Gonomyia*). Type-locality: Reichenhall [D].—Distr.: Europe: A, AL, B, BG, CH, CS, D, DK, F, GB, I, NL, PL, R, S, SF, YU; USSR: NET (southwest), CET (northwest), SET (southwest), WS (Altai); Asia: Mongolia. [See *cunctans* and *japonica*.]

**hilaris** EDWARDS, 1938: Trans. Soc. Br. Ent., **5**: 114 (*Rhabdomastix*). Type-localities: Aviemore; Nethy Bridge; Rannoch (Great Britain).

**lapponica** TJEDER, 1936: Ent. Tidskr., **57**: 133 (*Rhabdomastix*). Type-locality: Påtsojokk, Abisko (Sweden).—Distr.: Europe: N, S; USSR: FE (Chukotka, Kuril Is, ?Kamchatka). [?Conspecific with *borealis* ALEXANDER, 1924, from the Nearctic Region.]

**infuscata** (LACKSCHEWITZ, 1936): Norsk ent. Tidsskr., **4**: 116 (*Sacandaga*). Type-locality: Abiskojokk, Lappmark (Sweden).

- lurida** (LOEW, 1873): *Beschr. europ. Dipt.*, **3**: 62 (*Gonomyia*). Type-localities: Reichenhall; "am Rhein" [D].—Distr.: Europe: A, CH, CS, D, F, I, R; USSR: SET (west).
- luridoides** ALEXANDER, 1940: *Philipp. J. Sci.*, **71**: 53 (*Rhabdomastix*). Type-locality: Seren Mts (North Korea).—Distr.: USSR: FE (Primorskiy kray); Asia: North Korea.
- microxantha** ALEXANDER, 1958: *Philipp. J. Sci.*, **85**: 316 (*Rhabdomastix*). Type-locality: Kurokawa, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- minicola** ALEXANDER, 1934: *Philipp. J. Sci.*, **54**: 338 (*Rhabdomastix*). Type-locality: on Min river, Sichuan (China).—Distr.: Asia: China (Sichuan).
- nebulifera** ALEXANDER, 1957: *Philipp. J. Sci.*, **85**: 380 (*Rhabdomastix*). Type-locality: Kurokawa, Echigo, Honshu (Japan).—Distr.: USSR: ?FE (?Sakhalin); Asia: Japan (Honshu).
- nigroapicata** ALEXANDER, 1940: *Philipp. J. Sci.*, **71**: 51 (*Rhabdomastix*). Type-locality: Seren Mts (North Korea).—Distr.: Asia: North Korea.
- parva** (SIEBKE, 1863): *Nyt Mag. Naturvid.*, **12**: 178 (*Limnobia*). Type-localities: Dovre; Fokstuen; Kongvold (Norway) (Kongvold, Norway, by lectotype des. of TJEDER, 1964).—Distr.: Europe: IS, N, S, SF.
- sadoensis** ALEXANDER, 1958: *Philipp. J. Sci.*, **86**: 317 (*Rhabdomastix*). Type-locality: Mt. Donden, Sado, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- schistacea** (SCHUMMEL, 1829): *Beitr. Ent.*, Breslau, **1**: 146 (*Limnobia*). Type-locality: near Wrocław (Poland).—Distr.: Europe: PL. [Subgeneric position not certain.]
- shansica** ALEXANDER, 1954: *Mushi*, **27**: 30 (*Rhabdomastix*). Type-locality: Wangmaochen, Shanxi (China).—Distr.: Asia: China (Shanxi).
- [**shardiana** ALEXANDER, 1957: *Ann. Mag. nat. Hist.*, (12) **10**: 292 (*Rhabdomastix*). Type-locality: Shardi, NW Frontier prov. (Pakistan).—Distr.: USSR: ?KZ, ?SMA; Asia: Pakistan.]
- spatulifera** ALEXANDER, 1940: *Philipp. J. Sci.*, **71**: 52 (*Rhabdomastix*). Type-locality: Seren Mts (North Korea).—Distr.: USSR: FE (Kuril Is); Asia: North Korea.
- subparva** STARY, 1971: *Cas. morav. Mús. Brne*, **55**: 154 (*Rhabdomastix*). Type-locality: Brno, Ricka-Tal, Moravia (Czechoslovakia).—Distr.: Europe: A, ?AL, BG, CH, CS, D, DDR, I, PL, R, YU; USSR: SET (Carpathians).
- ussurica** ALEXANDER, 1934: *Philipp. J. Sci.*, **52**: 343 (*Rhabdomastix*). Type-locality: Tigrovoy, Partisansk district, Primorskiy kray (USSR).—Distr.: FE (Primorskiy kray).
- usuriensis** ALEXANDER, 1925: *Proc. U.S. natn. Mus.*, **68**(4): 13 (*Rhabdomastix*). Type-locality: Okeanskaya, near Vladivostok, Primorskiy kray (USSR).—Distr.: USSR: FE (Primorskiy kray); Asia: North Korea.

**Teucholabis OSTEN SACKEN, 1860**

OSTEN SACKEN, 1860: Proc. Acad. nat. Sci. Philad., **1859**: 222.

Type-species: *Teucholabis complexa* OSTEN SACKEN, 1860: l.c.: 223 (mon.); not Palearctic.

*Paratropesa* SCHINER, 1866: see below as subgenus.

*Euparatropesa* ALEXANDER, 1946: see below as subgenus.

**Subgenus EUPARATROPEA ALEXANDER, 1946**

ALEXANDER, 1946: Revta Ent., **17**: 378 (as subgenus of *Teucholabis* OSTEN SACKEN, 1860).

Type-species: *Paratropesa jactans* ALEXANDER, 1913: Ent. News, **24**: 447 (orig. des.); not Palearctic.

*esakii* (ALEXANDER, 1924): Philipp. J. Sci., **24**: 591 (*Paratropesa*). Type-locality: Maruyama, Hokkaido (Japan).—Distr.: USSR: FE (Amur obl., Primorskiy kray, Kuril Is); Asia: Japan (Hokkaido).

**Subgenus PARATROPEA SCHINER, 1866**

SCHINER, 1866: Verh. zool.-bot. Ges. Wien, **16**: 932 (as genus).

Type-species: *Paratropesa singularis* SCHINER, 1868: Reise Novara, Zool., **2**(1) (B): 46 (orig. des.); not Palearctic.

*inouei* ALEXANDER, 1955: Ann. ent. Soc. Am., **48**: 374 (*Teucholabis*). Type-locality: Mt. Takao, Musashi, Honshu (Japan).—Distr.: Asia: Japan (Honshu).

**Subgenus TEUCHOLABIS OSTEN SACKEN, 1860**

*scitamenta* ALEXANDER, 1931: Philipp. J. Sci., **44**: 360 (*Teucholabis*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).

*yezoensis* ALEXANDER, 1924: Philipp. J. Sci., **24**: 593 (*Teucholabis*). Type-locality: Shikaripetsu, Hokkaido (Japan).—Distr.: USSR: FE (Amur obl., Khabarovskiy kray, Primorskiy kray); Asia: Japan (Hokkaido).

**Trentepohlia** BIGOT, 1854

BIGOT, 1854: *Annls Soc. ent. Fr.*, (3) 2: 456 and 473.

Type-species: *Limnobia trentepohlii* WIEDEMANN, 1828: *Aussereurop. zweifl. Insekt.*, 1: 551 (mon.); not Palaearctic. [The type-species in the original designation is *Trentepohlia limnobioides* BIGOT, 1854, but this name is a nomen nudum. *Limnobia trentepohlii* WIEDEMANN, 1828, is the only other originally included species.]

*Mongoma* WESTWOOD, 1881: see below as subgenus.

## Subgenus MONGOMA WESTWOOD, 1881

WESTWOOD, 1881: *Trans. R. ent. Soc. Lond.*, 1881: 364 (as genus).

Type-species: *Mongoma fragillima* WESTWOOD, 1881: l.c.: 364 (mon.); not Palaearctic.

**enervata** ALEXANDER, 1936: *Philipp. J. Sci.*, 60: 347 (*Trentepohlia*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).

**pennipes** (OSTEN SACKEN, 1887): *Berl. ent. Z.*, 31: 204 (*Mongoma*). Type-locality: Tumbong Hiong, Kalimantan (Indonesia).—Distr.: Asia: China (Zhejiang); Afrotropical and Oriental Regions, New Guinea, Bismarck Arch.

**subpennipes** ALEXANDER, 1957: *Philipp. J. Sci.*, 85: 371 (*Trentepohlia*). Type-locality: Yoshigohira, Mt. Sumon, Echigo, Honshu (Japan).—Distr.: Asia: Japan (Honshu).

## Subgenus TRENTEPOHLIA BIGOT, 1854

**bifascigera** ALEXANDER, 1940: *Lingnan Sci. J.*, 19: 114 (*Trentepohlia*). Type-locality: Mt. Tien-mu, Zhejiang (China).—Distr.: Asia: China (Zhejiang).

**efflatouni** PIERRE, 1923: *Bull. Soc. R. ent. Égypte*, 1922: 83 (*Trentepohlia*). Type-localities: Ghézireh; Nouzha; Cléopâtra (Egypt).—Distr.: North Africa: Egypt.

**septemtrionalis** ALEXANDER, 1921: *Ann. ent. Soc. Am.*, 14: 119 (*Trentepohlia*). Type-locality: Nakano, Honshu (Japan).—Distr.: Asia: Japan (Honshu).

## Subfamily Limoniinae

## Tribe Elephantomyiini

**Elephantomyia** OSTEN SACKEN, 1860

OSTEN SACKEN, 1860: Proc. Acad. nat. Sci. Philad., 1859: 220.

Type-species: *Limnobia rhynchus canadensis*: OSTEN SACKEN, 1860: l.c.: 220, not *canadensis* WESTWOOD, 1835: Anns Soc. ent. Fr., (1) 4: 684, misidentification (mon.) [=westwoodi OSTEN SACKEN, 1869]; not Palearctic.

*Elephantomyodes* ALEXANDER, 1923: see below as subgenus.

Subgenus **ELEPHANTOMYIA** OSTEN SACKEN, 1860

**carbo** ALEXANDER, 1938: Philipp. J. Sci., 66: 326 (*Elephantomyia*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).

**dietziana** ALEXANDER, 1930: Philipp. J. Sci., 42: 526 (*Elephantomyia*). Type-locality: Kirishima, Kyushu (Japan).—Distr.: Asia: Japan (Honshu, Shikoku, Kyushu).

**dietziana plumbea** ALEXANDER, 1954: Philipp. J. Sci., 82: 298 (*Elephantomyia*). Type-locality: Mt. Tsurugi, Awa, Minokosi, Shikoku (Japan).—Distr.: Asia: Japan (Shikoku).

**edwardsi** LACKSCHEWITZ, 1932: Konowia, 11: 220 (*Elephantomyia*). Type-locality: near Kalwen, 45 km NE Liepāja (USSR: La).—Distr.: Europe: A, CH, CS, D, R, S, SF; USSR: NET (southwest), CET (northwest), SET (Carpathians).

*westwoodi*: European authors, not OSTEN SACKEN, 1869, misidentifications.

**hokkaidensis** ALEXANDER, 1924: Philipp. J. Sci., 24: 580 (*Elephantomyia*). Type-locality: Abashiri, Hokkaido (Japan).—Distr.: USSR: FE (Amur obl., Primorskiy kray, Sakhalin, Kuril Is); Asia: Japan (Hokkaido, Honshu, Shikoku).

**insolita** ALEXANDER, 1940: Philipp. J. Sci., 71: 191 (*Elephantomyia*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).

**krivosheinae** SAVCHENKO, 1976: Dopov. Akad. Nauk ukr. RSR (B), 1976: 467 (*Elephantomyia*). Type-locality: Ussuri nature reserve, Primorskiy kray (USSR).—Distr.: Europe: CS; USSR: CET, WS (Altai, Tuva), FE (Khabarovskiy kray, Primorskiy kray).

**palmata** ALEXANDER, 1947: Ann. ent. Soc. Am., 40: 358 (*Elephantomyia*). Type-locality: Mt. Ontake, Hida, Japanese Alps, Honshu (Japan).—Distr.: Asia: Japan (Honshu).

- subterminalis** ALEXANDER, 1954: *Philipp. J. Sci.*, **82**: 299 (*Élephantomyia*).  
Type-locality: Mt. Tsurugi, Awa, Minokosi to Nagoro, Shikoku (Japan).  
—Distr.: USSR: FE (Khabarovskiy kray, Primorskii kray); Asia: Japan (Shikoku).
- takachihoi** ITO, 1948: *Mushi*, **18**: 90 (*Elephantomyia*). Type-locality: Hikosan (Buzen), Kyushu (Japan).—Distr.: Asia: Japan (Kyushu).
- tetracantha** ALEXANDER, 1954: *Philipp. J. Sci.*, **82**: 300 (*Elephantomyia*). Type-locality: Mt. Tsurugi, Awa, Shikoku (Japan).—Distr.: Asia: Japan (Shikoku).
- zonata** SAVCHENKO in SAVCHENKO and KRIVOLUTSKAYA, 1976: *Limoniidae of the south Kuril Islands and south Sakhalin: 74 (Elephantomyia)*. Type-locality: near Mendeleyevo, Kunashir, Kuril Is (USSR).—Distr.: USSR: FE (Sakhalin, Kuril Is).

### Subgenus ELEPHANTOMYODES ALEXANDER, 1923

ALEXANDER, 1923: *Ann. ent. Soc. Am.*, **16**: 64 (as subgenus of *Elephantomyia* OSTEN SACKEN, 1860).

Type-species: *Elephantomyia major* ALEXANDER, 1923: l.c.: 63 (orig. des.); not Palaearctic.

- sophiarum** ITO, 1948: *Mushi*, **18**: 91 (*Elephantomyia*). Type-locality: Inunaki-tôge (Chikuzen), Kyushu (Japan).—Distr.: Asia: Japan (Kyushu).

### *Helius* LEPELETIER et SERVILLE, 1828

LEPELETIER et SERVILLE in LATREILLE et al., 1828: *Encycl. meth. (Ins.)*, **10**(2): 831 (as alternative original name for *Megarhina* LEPELETIER et SERVILLE, 1828).

Type-species: *Limnobia longirostris* MEIGEN, 1818: *Syst. Besch.*, **1**: 146 (aut.).

*Megarhina* LEPELETIER et SERVILLE in LATREILLE et al., 1828: *Encycl. meth. (Ins.)*, **10**(2): 585. Type-species: *Limnobia longirostris* MEIGEN, 1818: *Syst. Besch.*, **1**: 146 (mon.).

[Of the above-mentioned two concurrently published names the usage of *Helius* has long been settled on the first reviser principle.]

*Leptorhina* STEPHENS, 1829: *Syst. Cat. Brit. Ins.*, **2**: 243. Type-species: *Limnobia longirostris* MEIGEN, 1818: *Syst. Besch.*, **1**: 146 (mon.).

*Rhamphidia* MEIGEN, 1830, *Syst. Besch.*, **6**: 281. Type-species: *Limnobia longirostris* MEIGEN, 1818: *Syst. Besch.*, **1**: 146 (des. WESTWOOD, 1840: *Synopsis*: 129).

- brevioricornis** (ALEXANDER, 1920): *Trans. Am. ent. Soc.*, **46**: 8 (*Rhamphidia*).  
Type-locality: Meguro, Tokyo, Honshu (Japan).—Distr.: Asia: Japan (Honshu).



Shikoku).

- calviensis** EDWARDS, 1928: *Encycl. ent. (B II) Dipt.*, **4**: 183 (*Helius*). Type-locality: Calvi, Corsica (France).—Distr.: Europe: BG, F (Corsica), I (incl. Sicily).
- corniger** SAVCHENKO, 1983: *Limoniidae of south Primorye*: 65 (*Helius*). Type-locality: near Gajvoron, Spassk region, Primorskiy kray (USSR).—Distr.: USSR: FE (Primorskiy kray).
- flavus** (WALKER, 1856): *Ins. Brit., Dipt.*, **3**: 309 (*Rhamphidia*). Type-locality: not given (Great Britain).—Distr.: Europe: A, BG, CH, CS, D, DDR, DK, F, GB, NL, PL, R, S; USSR: NET (southwest), CET (northwest), SET (Carpathians), FE (Primorskiy kray).
- franckianus** ALEXANDER, 1940: *Philipp. J. Sci.*, **71**: 183 (*Helius*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- gibbifer** SAVCHENKO, 1981: *Vestn. zool.*, **1981**(1): 23 (*Helius*). Type-locality: shore of Zun-tarey lake, Chitinsk obl. (USSR).—Distr.: USSR: ES (south).
- gracillimus** ALEXANDER, 1938: *Philipp. J. Sci.*, **67**: 143 (*Helius*). Type-locality: Seren Mts (North Korea).—Distr.: USSR: FE (Primorskiy kray); Asia: North Korea.
- hispanicus** LACKSCHEWITZ, 1928: *Annln naturh. Mus. Wien*, **42**: 242 (*Helius*). Type-locality: Algeciras (Spain).—Distr.: Europe: E, GB (Devon); USSR: TC; Asia: Iran.
- infirmus** ALEXANDER, 1932: *Philipp. J. Sci.*, **49**: 385 (*Helius*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- longirostris** (MEIGEN, 1818): *Syst. Besch.*, **1**: 146 (*Limnobia*). Type-locality: Kiel [D].—Distr.: Europe: A, B, BG, CH, CS, D, DDR, DK, F (incl. Corsica), GB, H, IRE, NL, PL, R, S, SF; USSR: NET (southwest), CET, SET (UK, southeast); Asia: Israel; North Africa: ?Egypt.
- inornatus* (MEIGEN, 1830): *Syst. Besch.*, **6**: 282 (*Rhamphidia*). Type-locality: not given ("von Hrn. Wiedemann").
- dubius* EDWARDS, 1921: *Trans. R. ent. Soc. Lond.*, **1921**: 206 (*Helius*). Type-localities: Lymington; Tunbridge Wells; Radwell; Corriegills; Gormire; Austwick; Hampstead (Great Britain).
- longirostris ussuriensis** SAVCHENKO, 1983: *Limoniidae of south Primorye*: 65 (*Helius*). Type-locality: Primorskiy, Khasan district, Primorskiy kray (USSR).—Distr.: USSR: FE (Primorskiy kray).
- nawaianus** ALEXANDER, 1929: *Philipp. J. Sci.*, **40**: 532 (*Helius*). Type-locality: Oi, Gifu, Honshu (Japan).—Distr.: USSR: FE (Sakhalin, Kuril Is); Asia: Japan (Honshu).
- nipponensis** (ALEXANDER, 1913): *Can. Ent.*, **45**: 207 (*Rhamphidia*). Type-locality: Tokyo, Honshu (Japan).—Distr.: Asia: Japan (Honshu), China (Zhejiang).
- obliteratus** (ALEXANDER, 1920): *Trans. Am. ent. Soc.*, **46**: 7 (*Rhamphidia*). Type-locality: Saitama pref., Honshu (Japan).—Distr.: USSR: FE (Kuril Is); Asia:

Japan (Honshu, Shikoku, Kyushu).

- pallidissimus** ALEXANDER, 1930: Philipp. J. Sci., **42**: 515 (*Helius*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- pallirostris** EDWARDS, 1921: Trans. R. ent. Soc. Lond., **1921**: 206 (*Helius*). Type-localities: Letchworth; Slapton (Great Britain).—Distr.: Europe: A, CH, CS, D, DDR, DK, GB, H, NL, PL, R, S; USSR: CET (west), SET (south-west), TC (Talysh), SMA (Tu, Tj); Asia: Iran.
- pluto** ALEXANDER, 1932: Philipp. J. Sci., **49**: 118 (*Helius*). Type-locality: Kwanhsien, Sichuan (China).—Distr.: Asia: China (Sichuan).
- polionota** ALEXANDER, 1938: Philipp. J. Sci., **67**: 142 (*Helius*). Type-locality: Chonsani, Paiktusan (North Korea).—Distr.: USSR: FE (Amur obl.); Asia: North Korea.
- tenuirostris** ALEXANDER, 1924: Philipp. J. Sci., **24**: 560 (*Helius*). Type-locality: Mt. Minomo, Settsu-no-kuni, Honshu (Japan).—Distr.: Asia: Japan (Hokkaido, Honshu, Shikoku, Kyushu).
- tienmuanus** ALEXANDER, 1940: Lingnan Sci. J., **19**: 129 (*Helius*). Type-locality: Mt. Tien-mu, Zhejiang (China).—Distr.: Asia: China (Zhejiang).

### **Protohelius** ALEXANDER, 1928

ALEXANDER, 1928: Philipp. J. Sci., **35**: 466.

Type-species: *Protohelius issikii* ALEXANDER, 1928: l.c.: 467 (orig. des.); not Palaearctic.

- nigricolor** ALEXANDER, 1940: Lingnan Sci. J., **19**: 113 (*Protohelius*). Type-locality: Mt. Tien-mu, Zhejiang (China).—Distr.: Asia: China (Zhejiang).

## Tribe Antochini

### **Antocha** OSTEN SACKEN, 1860

OSTEN SACKEN, 1860: Proc. Acad. nat. Sci. Philad., **1859**: 219.

Type-species: *Antocha saxicola* OSTEN SACKEN, 1860: l.c.: 219 (des. COQUILLET, 1910: Proc. U.S. nat. Mus., **37**: 508); not Palaearctic.

*Taphrophila* RONDANI, 1856: Dipt. Ital. Prodromus, **1**: 185. Type-species: *Limnobia inusta*: RONDANI, 1856: l.c.: 185, not MEIGEN, 1818: Syst. Besch., **1**: 135, misidentified type-species (orig. des.).

[In the interest of stability and in accordance with usage the authors have adopted for this catalogue the name *Antocha*, whereas HUTSON and VANE-WRIGHT, 1969, recommend to consider *Taphrophila* as a senior synonym of *Antocha*. The original type-designation of *Taphrophila* is based on a misidentification and the description of

*Taphrophila* refers to *Antocha* (HUTSON and VANE-WRIGHT, 1969). In this case a subsequent type-designation is required. Acceptance of the original, misidentified type-species can not be recommended because *Taphrophila* would then become a senior synonym of the genus *Atypophthalmus*.]

*Orimargula* MIK, 1883: see below as subgenus.

*Proantocha* ALEXANDER, 1919: see below as subgenus.

### Subgenus ANTOCHA OSTEN SACKEN, 1860

**biacus** SAVCHENKO, 1981: Vestn. zool., **1981**(1): 27 (*Antocha*). Type-locality: near Varzob, Gissar Mts (USSR: Tj).—Distr.: USSR: SMA (Tj).

**bidens** ALEXANDER, 1932: Philipp. J. Sci., **49**: 391 (*Antocha*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).

**bidigitata** ALEXANDER, 1954: Philipp. J. Sci., **82**: 288 (*Antocha*). Type-locality: Omogokei, Shikoku (Japan).—Distr.: Asia: Japan (Shikoku).

**bifida** ALEXANDER, 1924: Philipp. J. Sci., **24**: 564 (*Antocha*). Type-locality: Jozankei, Hokkaido (Japan).—Distr.: USSR: south Siberia from Altai to Primorskiy kray and Kuril Is; Asia: Japan (Hokkaido, Honshu, Shikoku, Kyushu), North Korea, China (as far south as Guangdong); Taiwan, Philippines.

*pallida* LACKSCHEWITZ, 1964: Ent. Obozr., **43**: 716 (*Antocha*). Type-locality: Ussolye, Irkutsk district (USSR).

**brevinervis** ALEXANDER, 1924: Philipp. J. Sci., **24**: 567 (*Antocha*). Type-locality: Jozankei, Hokkaido (Japan) (invalid new holotype des. by ALEXANDER, 1936).—Distr.: Asia: Japan (Hokkaido, Honshu, Shikoku, Kyushu).

*spicata* ALEXANDER, 1936: Philipp. J. Sci., **59**: 238 (*Antocha*). Type-locality: Kibune, Kyoto pref., Honshu (Japan). [Considered a junior synonym of *brevinervis* ALEXANDER, 1924, because the type-material of *spicata* includes, as a paratype, the original holotype of *brevinervis*.]

**brevistyla** ALEXANDER, 1924: Philipp. J. Sci., **24**: 567 (*Antocha*). Type-locality: Sapporo, Hokkaido (Japan).—Distr.: USSR: FE (Kuril Is); Asia: Japan (Hokkaido).

**confluenta** ALEXANDER, 1926: Philipp. J. Sci., **31**: 364 (*Antocha*). Type-locality: hills S of Ning-po, Zhejiang (China).—Distr.: Asia: China (Zhejiang).

**constricta** ALEXANDER, 1932: Philipp. J. Sci., **49**: 386 (*Antocha*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).

**dentifera** ALEXANDER, 1924: Ann. ent. Soc. Am., **17**: 63 (*Antocha*). Type-locality: Mt. Takao, Musashi-no-kuni, Honshu (Japan).—Distr.: Asia: Japan (Honshu).

**dilatata** ALEXANDER, 1924: Philipp. J. Sci., **24**: 566 (*Antocha*). Type-locality: Kamiotoineppu, Hokkaido (Japan).—Distr.: USSR: FE (Primorskiy kray); Asia: Japan (Hokkaido, Shikoku).

- emarginata** ALEXANDER, 1938: Philipp. J. Sci., **66**: 470 (*Antocha*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- flavidibasis** ALEXANDER, 1938: Philipp. J. Sci., **66**: 318 (*Antocha*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- fortidens** ALEXANDER, 1933: Philipp. J. Sci., **51**: 537 (*Antocha*). Type-locality: near Tang-Gu (China).—Distr.: Asia: China (Tibet border).
- gracillima** ALEXANDER, 1925: Ann. Mag. nat. Hist., (9) **15**: 67 (*Antocha*). Type-locality: Mt. Wakasugi, Chikuzen-no-kuni, Kyushu (Japan).—Distr.: USSR: FE (Primorskiy kray, Sakhalin, Kuril Is); Asia: Japan (Honshu, Shikoku, Kyushu).
- hirtipes** SAVCHENKO, 1971: Dopov. Akad. Nauk ukr. RSR (B), **1971**: 855 (*Antocha*). Type-locality: near Orlovka, Bogdanovskiy district, Dzhavakhet upland (USSR: Ge).—Distr.: USSR: TC (Ge).
- indica** BRUNETTI, 1912: Fauna Brit. India, Dipt., **1**: 426 (*Antocha*). Type-locality: Kurseong, Himalaya (India).—Distr.: Asia: China (Sichuan, Zhejiang); India, Malaya.
- integra** ALEXANDER, 1940: Philipp. J. Sci., **71**: 43 (*Antocha*). Type-locality: Ompo (North Korea).—Distr.: USSR: FE (Amur obl., Primorskiy kray, Sakhalin); Asia: North Korea.
- lacteibasis** ALEXANDER, 1935: Philipp. J. Sci., **57**: 211 (*Antocha*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- libanotica** LACKSCHEWITZ, 1940: Annln naturh. Mus. Wien, **50**: 8 (*Antocha*). Type-locality: Becharré (Lebanon).—Distr.: USSR: TC, SMA (Tu, Tj); Asia: Lebanon, Iran, Afghanistan.
- lindneri** (NIELSEN, 1963): Stuttg. Beitr. Naturk., No **118**: 2 (*Taphrophila*). Type-localities: several localities in Afghanistan.—Distr.: Asia: Afghanistan.
- minuticornis** ALEXANDER, 1931: Philipp. J. Sci., **44**: 351 (*Antocha*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- multidentata** ALEXANDER, 1932: Philipp. J. Sci., **49**: 388 (*Antocha*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- nebulipennis** ALEXANDER, 1931: Philipp. J. Sci., **44**: 352 (*Antocha*). Type-locality: Mupin, Sichuan (China).—Distr.: Asia: Afghanistan, China (Gansu, Sichuan, Tibet); Nepal, India.
- nebulipennis immaculata** ALEXANDER, 1938: Philipp. J. Sci., **66**: 319 (*Antocha*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan); Burma.
- nigribasis** ALEXANDER, 1932: Philipp. J. Sci., **49**: 390 (*Antocha*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- pallidella** ALEXANDER, 1933: Philipp. J. Sci., **50**: 143 (*Antocha*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- phoenicia** THOMAS et DIA, 1982: Anlns Limnol., **18**: 323 (*Antocha*). Type-locality: Nahr el Hamman tributary, basin of Nahr ed Damour, between Saïda and Beyrouth (Lebanon).—Distr.: Asia: Lebanon.

- picturata** ALEXANDER, 1936: Philipp. J. Sci., **58**: 415 (*Antocha*). Type-locality: Gehang, Sichuan (China).—Distr.: Asia: China (Sichuan).
- platyphallus** ALEXANDER, 1935: Philipp. J. Sci., **58**: 247 (*Antocha*). Type-locality: Yumoto, Shimotsuke, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- pterographa** ALEXANDER, 1953: Ann. Mag. nat. Hist., (12) **6**: 185 (*Antocha*). Type-locality: Gautsa, Tibet (China).—Distr.: Asia: China (Tibet).
- ramulifera** SAVCHENKO, 1983: Limoniidae of south Primorye: 107 (*Antocha*). Type-locality: Kedrovaya Pad, Khasan district, Primorskiy kray (USSR).—Distr.: USSR: FE (Primorskiy kray).
- rectispina** ALEXANDER, 1954: Mushi, **27**: 27 (*Antocha*). Type-locality: Siachitui-Kaolochen, Shanxi (China).—Distr.: Asia: China (Shanxi).
- sagana** ALEXANDER, 1932: Philipp. J. Sci., **49**: 116 (*Antocha*). Type-locality: Saga, Kyoto pref., Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- satsuma** ALEXANDER, 1919: Ann. ent. Soc. Am., **12**: 332 (*Antocha*). Type-locality: Meguro, Tokyo, Honshu (Japan).—Distr.: Asia: Japan (Hokkaido, Honshu, Shikoku, Kyushu), ?China.
- scapularis** ALEXANDER, 1968: Proc. R. ent. Soc. Lond. (B), **37**: 48 (*Antocha*). Type-locality: Dhar, Pauri Garhwal, Kumaon (India).—Distr.: USSR: KZ (Zailiyskiy Alatau), SMA (Ki); Asia: India.
- setigera** ALEXANDER, 1933: Philipp. J. Sci., **50**: 144 (*Antocha*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- shansiensis** ALEXANDER, 1954: Mushi, **27**: 28 (*Antocha*). Type-locality: Chenhaissu-Taihuaichen, Shanxi (China).—Distr.: Asia: China (Shanxi).
- spiralis** ALEXANDER, 1932: Philipp. J. Sci., **49**: 389 (*Antocha*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan); India.
- subconfluenta** ALEXANDER, 1930: Philipp. J. Sci., **42**: 516 (*Antocha*). Type-locality: Kosugidani, Yakushima, Kyushu (Japan).—Distr.: Asia: Japan (Shikoku, Kyushu).
- subdentifera** ALEXANDER, 1969: Trans. Shikoku ent. Soc., **10**: 35 (*Antocha*). Type-locality: Kurokawa, Echigo, Honshu (Japan).—Distr.: USSR: FE (Sakhalin, Kuril Is); Asia: Japan (Honshu).
- turkestanica** DE MEIJERE, 1921: Tijdschr. Ent., **64**: 107 (*Antocha*). Type-locality: Turkestan (USSR).—Distr.: USSR: KZ (Zailiyskiy Alatau), SMA; Asia: Afghanistan.
- libitina* ALEXANDER, 1960: Philipp. J. Sci., **88**: 159 (*Antocha*). Type-locality: Qualatak, Salang valley, Hindukush range (Afghanistan).
- afghana* (NIELSEN, 1962): Vidensk. Meddr dansk naturh. Foren., **124**: 167 (*Taphrophila*). Type-locality: Istalif (Afghanistan).
- yatungensis** ALEXANDER, 1963: Bull. Br. Mus. nat. Hist. (B), **14**: 338 (*Antocha*). Type-locality: Yatung, Tibet (China).—Distr.: Asia: China (Tibet).
- vitripennis** (MEIGEN, 1830): Syst. Besch., **6**: 278 (*Limnobia*). Type-locality: not given (?near Stolberg [D]).—Distr.: Europe: A, AL, B, BG, CH, CS, D, DDR, DK, E, F (incl. Corsica), GB, GR, I, IRE, N, NL, PL, R, S, YU;

- USSR: NET (Komi ASSR), CET (west), SET (Carpathians), TC; Asia: Afghanistan.
- obscura* STROBL, 1906: *Mems R. Soc. esp. Hist. nat.*, **3**: 412 (*Antocha*, as var. of *opalizans*: authors, not OSTEN SACKEN). Type-locality: Ronda (Spain).
- fulvescens* LACKSCHEWITZ, 1940: *Annln naturh. Mus. Wien*, **50**: 7 (*Antocha*). Type-locality: Vernet-les-Bains (France).
- opalizans*: European authors, not OSTEN SACKEN, 1860, misidentifications.
- saxicola*: European authors, not OSTEN SACKEN, 1860, misidentifications.

### Subgenus ORIMARGULA MIK, 1883

- MIK, 1883: *Wien. ent. Ztg*, **2**: 198 (as genus).  
Type-species: *Orimargula alpigena* MIK, 1883: l.c.: 199 (orig. des.).
- alpigena** (MIK, 1883): *Wien. ent. Ztg*, **2**: 199 (*Orimargula*). Type-localities: several districts of Austria.—Distr.: Europe: A, BG, CH, CS, D, F, I, YU; USSR: SET (Carpathians), TC (west).
- flavella** (ALEXANDER, 1926): *Philipp. J. Sci.*, **31**: 366 (*Orimargula*). Type-locality: hills S of Ning-po, Zhejiang (China).—Distr.: Asia: China (Zhejiang).
- flavella fuscolineata** (ALEXANDER, 1926): *Philipp. J. Sci.*, **31**: 366 (*Orimargula*). Type-locality: hills S of Ning-po, Zhejiang (China).—Distr.: Asia: China (Zhejiang).

### Subgenus PROANTOCHA ALEXANDER, 1919

- ALEXANDER, 1919: *Ann. ent. Soc. Am.*, **12**: 330 (as subgenus of *Antocha* OSTEN SACKEN, 1860).  
Type-species: *Antocha spinifer* ALEXANDER, 1919: l.c.: 331 (orig. des.).
- spinifer** ALEXANDER, 1919: *Ann. ent. Soc. Am.*, **12**: 331 (*Antocha*). Type-locality: Chichibu, Saitama pref., Honshu (Japan).—Distr.: USSR: FE (Sakhalin); Asia: Japan (Hokkaido, Honshu, Shikoku, Kyushu).
- serricauda* ALEXANDER, 1924: *Philipp. J. Sci.*, **24**: 563 (*Antocha*). Type-locality: Jozankei, Hokkaido (Japan).
- quadrivittata* (ALEXANDER, 1932): *Philipp. J. Sci.*, **49**: 115 (*Proantocha*). Type-locality: Saga, Kyoto pref., Honshu (Japan).
- uyei** (ALEXANDER, 1928): *Philipp. J. Sci.*, **35**: 472 (*Proantocha*). Type-locality: Yamaga, Oita pref., Kyushu (Japan).—Distr.: Asia: Japan (Kyushu).

**Elliptera SCHINER, 1863**

SCHINER, 1863: Wien. ent. Mschr., 7: 222.

Type-species: *Elliptera omissa* SCHINER, 1863: l.c.: 223 (orig. des.).

*Ellipoptera* BERGROTH, 1913: Ann. Mag. nat. Hist., (8) 11: 576, unjustified emendation.

**hungarica** MADARASSY, 1881: Természetr. Füz., 5: 37 (*Elliptera*). Type-locality: Herkules-fürdő [= Baile Herculane] (Roumania).—Distr.: Europe: A, AL, BG, CH, CS, D, F, H, I, R, YU.

**jacoti** ALEXANDER, 1925: Ann. Mag. nat. Hist., (9) 15: 388 (*Elliptera*). Type-locality: Taishan, Shandong (China).—Distr.: USSR: WS (near Krasnoyarsk), FE (Primorskiy kray, Sakhalin); Asia: North Korea, China (Shandong, Zhejiang).

**omissa** SCHINER, 1863: Wien. ent. Mschr., 7: 223 (*Elliptera*). Type-locality: not given (Austria).—Distr.: Europe: A, AL, B, BG, CH, CS, D, F, ?GB, ?H, I, NL, PL, R, YU; USSR: SET (southwest).

**zipanguensis** ALEXANDER, 1924: Philipp. J. Sci., 24: 559 (*Elliptera*). Type-locality: Shikotsu, Hokkaido (Japan).—Distr.: USSR: FE (Primorskiy kray, Sakhalin, Kuril Is); Asia: Japan (Hokkaido, Honshu, Shikoku, Kyushu).

**Limnorimarga ALEXANDER, 1945**

ALEXANDER, 1945: Trans. R. ent. Soc. Lond., 95: 241 (as subgenus of *Orimarga* OSTEN SACKEN, 1869).

Type-species: *Orimarga limonioides* ALEXANDER, 1945: l.c.: 242 (orig. des.).

**limonioides** (ALEXANDER, 1945): Trans. R. ent. Soc. Lond., 95: 242 (*Orimarga*). Type-locality: Ompo (North Korea).—Distr.: USSR: FE (Primorskiy kray); Asia: North Korea, Japan (Shikoku, Kyushu).

**Orimarga OSTEN SACKEN, 1869**

OSTEN SACKEN, 1869: Smithson. misc. Collns, 8(219): 120.

Type-species: *Limnobia alpina* ZETTERSTEDT, 1851: Dipt. scand., 10: 3894 (des. COQUILLET, 1910: Proc. U.S. natn. Mus., 37: 580) [= *attenuata* (WALKER, 1848)].

*Ninguis* WALLENGREN, 1882: Ent. Tidskr., (1) 2(4): 183 and 206. Type-species: *Limnobia virgo* ZETTERSTEDT, 1851, Dipt. scand., 10: 3896 (des. COQUILLET, 1910: Proc. U.S. natn. Mus., 37: 576).

- aequivena** ALEXANDER, 1934: Philipp. J. Sci., **53**: 277 (*Orimarga*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- attenuata** (WALKER, 1848): List Dipt. Brit. Mus., **1**: 56 (*Limnobia*). Type-locality: Hammerfest (Norway).—Distr.: Europe: A, BG, CH, CS, D, F, I, IRE, N, R, S, SF; USSR: CET (west), NET (west), SET (Carpathians), KZ (northeast); North Africa: ?Algeria.
- alpina* (ZETTERSTEDT, 1851): Dipt. scand., **10**: 3894 (*Limnobia*). Type-localities: "alpius Åreskutan et Mulfjellen Jemtlandiae" (Sweden); "Kålahögar Norwegiae.....regionem nivalem" (Norway) (Mulfjell, Sweden, by lectotype des. of TJEDER, 1958).
- hygropetrica* VAILLANT, 1951: Trav. Lab. Hydrobiol. Piscic. Univ. Grenoble, **41/42**: 43 (*Orimarga*). Type-locality: near Grenoble (France).
- basalis** ALEXANDER, 1936: Philipp. J. Sci., **58**: 416 (*Orimarga*). Type-locality: Skardu, Kashmir (India).—Distr.: USSR: SMA (Tj); Asia: India.
- basilobata** ALEXANDER, 1934: Philipp. J. Sci., **54**: 327 (*Orimarga*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- cruciformis** ALEXANDER, 1930: Philipp. J. Sci., **42**: 517 (*Orimarga*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- distalis** ALEXANDER, 1936: Philipp. J. Sci., **59**: 239 (*Orimarga*). Type-locality: Mt. Daisen, Hoki, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- frommeri** ALEXANDER, 1970: Bonn. zool. Beitr., **21**: 145 (*Orimarga*). Type-locality: Ein Gedi (Israel).—Distr.: Asia: Israel.
- guttipennis** ALEXANDER, 1940: Philipp. J. Sci., **71**: 184 (*Orimarga*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- juvenilis** (ZETTERSTEDT, 1851): Dipt. scand., **10**: 3897 (*Limnobia*). Type-localities: Fardhem, Gotland; Bro (Sweden); Sand (?Norway) (the first by lectotype des. of TJEDER, 1958).—Distr.: Europe: A, BG, CH, CS, GB, I, IRE, ?N, S, SF, YU; USSR: SET (Carpathians).
- latissima** ALEXANDER, 1934: Philipp. J. Sci., **54**: 326 (*Orimarga*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- longiventris** SAVCHENKO, 1974: Vestn. zool., **1974**(6): 32 (*Orimarga*). Type-locality: near Lachin, Karabakh upland (USSR: Az).—Distr.: USSR: TC (Az).
- nudivena** ALEXANDER, 1934: Philipp. J. Sci., **53**: 276 (*Orimarga*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- omeina** ALEXANDER, 1930: Philipp. J. Sci., **42**: 518 (*Orimarga*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- pruinosa** ALEXANDER, 1928: Philipp. J. Sci., **36**: 465 (*Orimarga*). Type-locality: Mt. Bantaizan, Fukushima pref., Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- seticosta** ALEXANDER, 1930: Philipp. J. Sci., **42**: 519 (*Orimarga*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- setilobata** ALEXANDER, 1969: Trans. Shikoku ent. Soc., **10**: 36 (*Orimarga*). Type-locality: Kurokawa, Echigo, Honshu (Japan).—Distr.: Asia: Japan (Honshu).



- stenoptera** (SÉGUY, 1936): Bull. Soc. ent. Fr., **41**: 334 (*Gonomyia*). Type-locality: Tizirt (Algeria).—Distr.: North Africa: Algeria.
- stenotes** ALEXANDER, 1969: Trans. Shikoku ent. Soc., **10**: 37 (*Orimarga*). Type-locality: Yoshigahira, near Mt. Sumon, Echigo, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- streptocerca** ALEXANDER, 1936: Philipp. J. Sci., **60**: 181 (*Orimarga*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- virgo** (ZETTERSTEDT, 1851): Dipt. scand., **10**: 3896 (*Limnobia*). Type-locality: Ejsta, Gotland (Sweden) (the same by lectotype des. of TJEDER, 1958).—Distr.: Europe: A, CH, CS, D, F, GB, I, S, YU; USSR. SET (Carpathians); Asia: Lebanon.
- anomala* MIK, 1883: Wien. ent. Ztg, **2**: 201 (*Orimarga*). Type-locality: Gorizia (Italy).
- yakushimana** ALEXANDER, 1930: Philipp. J. Sci., **42**: 517 (*Orimarga*). Type-locality: Kosugidani, Yakushima, Kyushu (Japan).—Distr.: Asia: Japan (Honshu, Shikoku, Kyushu).

### Thaumastoptera MIK, 1866

MIK, 1866: Verh. zool.-bot. Ges. Wien, **16**: 302.

Type-species: *Thaumastoptera calceata* MIK, 1866: l.c.: 303 (mon.).

- calceata** MIK, 1866: Verh. zool.-bot. Ges. Wien, **16**: 303 (*Thaumastoptera*). Type-locality: Gorizia (Italy).—Distr.: Europe: A, B, BG, CH, CS, D, DDR, F, GB, I, IRE, R, YU.
- insignis** LACKSCHEWITZ, 1940: Annln naturh. Mus. Wien, **50**: 9 (*Thaumastoptera*). Type-locality: Algeciras (Spain).—Distr.: Europe: E.
- intermixta** SAVCHENKO, 1974: Vestn. zool., **1974**(6): 34 (*Thaumastoptera*). Type-locality: Khino, Kobuleti district, Adzhar ASSR (USSR).—Distr.: USSR: TC (Ge), SMA (southeast).

## Tribe Limoniini

**Achyrolimonia** ALEXANDER, 1965

ALEXANDER, 1965: Trans. Am. ent. Soc., **91**: 48 (as subgenus of *Limonia* MEIGEN, 1803).

Type-species: *Limnobia trigonia* EDWARDS, 1919: J. fed. Malay St. Mus., **8**: 15 (orig. des.); not Palearctic.

**basispina** (ALEXANDER, 1924): Philipp. J. Sci., **24**: 554 (*Limonia*). Type-locality: Panketo, Hokkaido (Japan).—Distr.: USSR: FE (Primorskiy kray, Kuril Is); Asia: Japan (Hokkaido, Honshu, Shikoku), China (Sichuan).

**coeiana** (NIELSEN, 1959): Glasn. Prirodov. Mus. Beograd (B), **12**: 211 (*Limonia*). Type-locality: P'vice, Croatia (Yugoslavia).—Distr.: Europe: CS, PL, YU; USSR: TC (Az).

**decemmaculata** (LOEW, 1873): Berl. ent. Z., **17**: 35 (*Limnobia*). Type-locality: not given (1873: Besch. europ. Dipt., **3**: 39: Germany, Kurdistan, Galicia (Poland)).—Distr.: Europe: A, B, CH, CS, D, DDR, F, GB, H, I, NL, PL, R, S, SF, YU; USSR: NET, CET, SET, TC; Asia: Iran.

**monacantha** (ALEXANDER, 1924): Philipp. J. Sci., **24**: 553 (*Limonia*). Type-locality: Teppetsu, Hokkaido (Japan).—Distr.: USSR: FE (Primorskiy kray); Asia: Japan (Hokkaido, Honshu, Shikoku, Kyushu), China (Sichuan).

**neonebulosa** (ALEXANDER, 1924): Philipp. J. Sci., **24**: 555 (*Limonia*, as new name for *Dicranomyia nebulosa* ALEXANDER, 1913, at time of replacement a junior secondary homonym of *Limnobia nebulosa* ZETTERSTEDT, 1838).—Distr.: Europe: A, BG, CH, CS, D, R; USSR: CET (southwest), SET (UK, southeast), WS (Altai), FE (Primorskiy kray, Sakhalin); Asia: Iran, China (as far south as Zhejiang and Sichuan), Japan (Hokkaido, Honshu, Shikoku); Nearctic Region.

*nebulosa* (ALEXANDER, 1913): Can. Ent., **45**: 203 (*Dicranomyia*). Type-locality: Tokyo, Honshu (Japan).

*delicatula* (LACKSCHEWITZ, 1964): Ent. Obozr., **43**: 714 (*Dicranomyia*). Type-locality: Yareski, Poltava obl. (USSR: UK).

**protrusa** (ALEXANDER, 1936): Philipp. J. Sci., **58**: 412 (*Limonia*). Type-locality: hills S of Ning-po, Zhejiang (China).—Distr.: Asia: China (Zhejiang).

**Atypophthalmus** BRUNETTI, 1911

BRUNETTI, 1911: Rec. Indian Mus., **6**: 273.

Type-species: *Atypophthalmus holopticus* BRUNETTI, 1911: l.c.: 273 (mon.) [= *umbratus* (DE MEIJERE, 1911)].

- crinitus** (ALEXANDER, 1924): Insecutor Inscit. menstr., **12**: 154 (*Limonia*). Type-locality: Shimokebo, Hitaka-no-kuni, Hokkaido (Japan).—Distr.: Asia: Japan (Hokkaido).
- inustus** (MEIGEN, 1818): Syst. Besch., **1**: 135 (*Limnobia*). Type-locality: not given (?near Stolberg [D]).—Distr.: Europe: A, B, BG, CH, CS, D, DDR, DK, F, GB, H, N, ?NL, PL, R, S, SF, YU; USSR: NET (southwest), CET (west), SET, TC, WS (Altai, Khakass AO), FE (Primorskiy kray, Sakhalin, Kuril Is); Asia: Japan (Hokkaido).
- obscuricornis* (BELING, 1873): Verh. zool.-bot. Ges. Wien, **23**: 559 (*Limnobia*). Type-locality: not given [DDR].
- kuntzei* (SCHULTZE in KUNTZE, 1920): Dt. ent. Z., **1920**: 57 (*Limnobia*, as new name for *Limnobia meridiana*: STROBL, 1895, not STAEGGER, 1840, misidentification).
- strobli* (NIELSEN, 1920): Ent. Meddr, **13**: 162 (*Limnobia*, as new name for *Limnobia meridiana*: authors, not STAEGGER, 1840, misidentifications).
- angustistria* (ALEXANDER, 1924): Philipp. J. Sci., **24**: 556 (*Limonia*). Type-locality: Kamuikotan, Hokkaido (Japan).
- multisetosus** SAVCHENKO, 1983: Limoniidae of south Primorye: 123 (*Atypophthalmus*). Type-locality: near Vladivostok, Primorskiy kray (USSR).—Distr.: USSR: FE (Primorskiy kray).
- quinquevittatus** (SANTOS ABREU, 1923): Mem. R. Acad. Cienc. Artes Barcelona, **18**: 106 (*Limonia*). Type-localities: Barranco del Río; Lomo de los Gómeros (Canary Is: La Palma) (Lomo de los Gómeros by lectotype des. of THEOWALD, 1977).—Distr.: Canary Is.
- aurifrons* (SANTOS ABREU, 1923): Mem. R. Acad. Cienc. Artes Barcelona, **18**: 110 (*Limonia*). Type-locality: Barranco de la Madera, La Palma (Canary Is).
- stylacantha** (ALEXANDER, 1971): Trans. Shikoku ent. Soc., **11**: 10 (*Limonia*). Type-locality: Kurokawa, Echigo, Honshu (Japan).—Distr.: USSR: FE (Primorskiy kray); Asia: Japan (Honshu).
- umbratus** (DE MEIJERE, 1911): Tijdschr. Ent., **54**: 25 (*Dicranomyia*). Type-locality: Batavia [= Djakarta] (Indonesia).—Distr.: Asia: Israel; pantropical.

### Dicranomyia STEPHENS, 1829

STEPHENS, 1829: Syst. Cat. Brit. Ins., **2**: 243.

Type-species: *Limnobia modesta* MEIGEN, 1818: Syst. Besch., **1**: 134 (des. COUILLETT, 1910: Proc. U.S. natn. Mus., **37**: 533).

*Furcomyia* MEIGEN, 1818: Syst. Besch., **1**: 133. Type-species: *Limnobia lutea* MEIGEN, 1818: Syst. Besch., **1**: 133 (mon.) [= *mitis* (MEIGEN, 1830)]. [Published in synonymy and unavailable.]

*Ataracta* LOEW, 1850: Programm k. Realschule zu Meseritz, **1850**: 38 (fossil).

*Telecephala* PIERRE, 1921: Bull. Soc. Sci. nat. Maroc, **1**: 21. Type-species: *Limnobia*

- longicollis* MACQUART, 1846: Mém. Soc. Agric. Lille, **1844**: 18 (mon.).  
*Tedotea* SANTOS ABREU, 1923: Memos R. Acad. Cienc. Artes Barcelona, **18**:143  
 Type-species: *Tedotea domestica* SANTOS ABREU, 1923: l.c.: 144 (mon.) [= *vicina* (MACQUART, 1839)].  
*Glochina* MEIGEN, 1830: see below as subgenus.  
*Numantia* BIGOT, 1854: see below as subgenus.  
*Euglochina* ALEXANDER, 1921: see below as subgenus.  
*Idioglochina* ALEXANDER, 1921: see below as subgenus.  
*Pseudoglochina* ALEXANDER, 1921: see below as subgenus.  
*Sivalimnobia* ALEXANDER, 1963: see below as subgenus.  
*Melanolimonia* ALEXANDER, 1965: see below as subgenus.  
*Erostrata* SAVCHENKO, 1976: see below as subgenus.  
*Idiopyga* SAVCHENKO, 1987: see below as subgenus.

### Subgenus DICRANOMYIA STEPHENS, 1829

- amplificata** (ALEXANDER, 1940): Philipp. J. Sci., **71**: 180 (*Limonia*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).  
**amurensis** ALEXANDER, 1925: Proc. U.S. natn. Mus., **68**(4): 5 (*Dicranomyia*). Type-locality: Amagu village, Siberia (USSR).—Distr.: USSR: FE (Amur obl.).  
**aperta** WAHLGREN, 1904: Arkiv Zool., **2**(7): 8 (*Dicranomyia*). Type-locality: not given.—Distr.: Europe: A, CH, CS, DK, GB, H, I, S, SF; USSR: NET (southwest), CET (northwest), SMA (Ki, Tj), KZ (Zailiyskiy Alatau), south Siberia from Altai in the west to Transbaikalia in the east; Asia: Afghanistan, Mongolia; Nearctic Region.  
**atropos** SAVCHENKO, 1983: Limoniidae of south Primorye: 134 (*Dicranomyia*). Type-locality: near Vladivostok, Primorskiy kray (USSR).—Distr.: USSR: FE (Primorskiy kray).  
**autumnalis** (STAEGER, 1840): Naturh. Tidsskr., **3**: 51 (*Glochina*). Type-locality: Ordrukskrat. near Copenhagen (Denmark).—Distr.: Europe: A, ?AL, B, CH, CS, D, DDR, DK (incl. Faeroes), E, F, GB, I, IRE, IS, N, NL, PL, R, S, SF, YU; USSR: NET (west), CET (northwest), SET (Uk); Asia: India.  
*unicolor* (STROBL, 1898): Glasn. zemalj. Mus. Bosni Herceg., **10**: 611 (*Limnobia*, as var. of *autumnalis*). Type-locality: Jablanica (Yugoslavia).  
*bifusifera* (EDWARDS, 1927): Ann. Mag. nat. Hist., (9) **20**: 225 (*Limonia*). Type-locality: Kashmir (India).  
**baileyana** (ALEXANDER, 1963): Bull. Br. Mus. nat. Hist. (B), **14**: 355 (*Limonia*). Type-locality: Chumbi valley, Tibet (China).—Distr.: Asia: China (Tibet).  
**baileyi** EDWARDS, 1928, Ann. Mag. nat. Hist., (10) **1**: 702 (*Dicranomyia*). Type-locality: Chumbi valley, Tibet (China).—Distr.: Asia: China (Tibet).

- baileyi omeiana** (ALEXANDER, 1964): Philipp. J. Sci., **93**: 299 (*Limonia*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- basiseta** ALEXANDER, 1925: Ann. Mag. nat. Hist., (9) **15**: 66 (*Dicranomyia*). Type-locality: lake Chuzenji, near Nikko, Shimotsuke-no-kuni, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- chorea** (MEIGEN, 1818): Syst. Besch., **1**: 134 (*Limnobia*). Type-locality: not given (?near Stolberg [D]).—Distr.: Europe: A, AL, B, BG, CH, CS, CY, D, DDR, DK, F (incl. Pyrenees and Corsica), GB, GR (Kerkira, Crete, Samos), H, I, IRE, N, NL, PL, R, S, SF, YU; USSR: NET, CET, SET, TC; Asia: Iran; North Africa: Morocco; Canary Is, ?Madeira; Nearctic Region.
- lutea** (MEIGEN, 1804): Klass. Besch., **1**: 55 (*Limonia*). Type-locality: not given (?near Stolberg [D]). [A questionable senior synonym.]
- quadra** (MEIGEN, 1838): Syst. Besch., **7**: 29 (*Limnobia*). Type-locality: not given (?near Stolberg [D]).
- flavicollis** BECKER, 1908: Mitt. zool. Mus. Berl., **4**: 82 (*Dicranomyia*). Type-locality: Port Orotava, Tenerife (Canary Is).
- longipes** SANTOS ABREU, 1923: Mem. R. Acad. Cienc. Artes Barcelona, **18**: 68 (*Dicranomyia*). Type-locality: Barranco del Río, La Palma (Canary Is).
- vidua** SANTOS ABREU, 1923: Mem. R. Acad. Cienc. Artes Barcelona, **18**: 45 (*Dicranomyia*). Type-locality: Barranco de la Madera, La Palma (Canary Is).
- grisescens** LACKSCHEWITZ, 1928: Annln naturh. Mus. Wien, **42**: 211 (*Dicranomyia*, as form of *chorea*). Type-locality: Vienna (Austria).
- lutescens** LACKSCHEWITZ, 1928: Annln naturh. Mus. Wien, **42**: 211 (*Dicranomyia*, as form of *chorea*). Type-locality: Vienna (Austria).
- circassica** LACKSCHEWITZ in LACKSCHEWITZ and PAGAST, 1941: 16. Limoniidae, Fliegen pal. Reg., **3(5)2**: 19 (*Dicranomyia*). Type-locality: not given (LACKSCHEWITZ, 1964: Kislovodsk, Stavropolskiy kray, USSR).—Distr.: USSR: SET (southeast), TC (Ge).
- clathrata** SAVCHENKO, 1984: Tax. Zoog. Insects, Kiev: 99 (*Dicranomyia*). Type-locality: Akorchashme, source of Nurdovanla river, Gyaz-Gedyk Mts (USSR: Tu).—Distr.: USSR: SMA (Tu, Tj).
- commixta** (ALEXANDER, 1933): Philipp. J. Sci., **50**: 136 (*Limonia*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- conchifera** (STROBL, 1901): Jber. naturh. Landesmus. Kärnten, **26**: 189 (*Limnobia*). Type-locality: Villach (Austria).—Distr.: Europe: A, AL, BG, CH, CS, D, F, GR, I, L, PL, R, YU.
- consimilis** (ZETTERSTEDT, [1838]): Insecta Lapp.: 837 (*Limnobia*). Type-locality: Lycksele (Sweden).—Distr.: Europe: DK, ?F (?Corsica), GB, N, S, SF; USSR: NET, CET (northwest), ES (south), FE (Magadan obl., Primorskiy kray, Sakhalin, Kuril Is); Asia: Japan (Hokkaido, Honshu), North Korea, China (Sichuan).
- mesosternata** ALEXANDER, 1919: Ann. ent. Soc. Am., **12**: 329 (*Dicranomyia*). Type-locality: Meguro, Tokyo, Honshu (Japan).

- coxitalis** (ALEXANDER, 1934): Philipp. J. Sci., **54**: 320 (*Limonia*). Type-locality: Chengdu, Sichuan (China).—Distr.: Asia: China (Sichuan).
- depauperata** ALEXANDER, 1918: Ann. ent. Soc. Am., **11**: 444 (*Dicranomyia*). Type-locality: Kyoto, Honshu (Japan).—Distr.: Asia: Japan (Honshu), China (Sichuan); China (Jiangxi), Taiwan.
- dichroa** SAVCHENKO, 1974: Vestn. zool., **1974**(4): 65 (*Dicranomyia*). Type-locality: Rakhaty, Gissar valley (USSR: Tj).—Distr.: USSR: KZ (Zailiyskiy Alatau), SMA (Tj).
- didyma** (MEIGEN, 1804): Klass. Besch. **1**: 55 (*Limonia*). Type-locality: not given ("aus Herrn Baumhauers Sammlung").—Distr.: Europe: A, AL, B, BG, CH, CS, D, DDR, DK (incl. Faeroes), E, F (incl. Corsica), GB, H, I, IRE, IS, N, NL, P, PL, R, S, SF, YU; USSR: NET, CET, SET, TC; Asia: Iran, Afghanistan, ?China (?Shanxi); North Africa: Morocco.
- trinotata** (MEIGEN, 1818): Syst. Besch., **1**: 143 (*Limnobia*). Type-locality: Portugal.
- oscillans** HALIDAY, 1833: Ent. Mag., **1**: 154 (*Dicranomyia*). Type-localities: Sliebh Donard; Holywood (Ireland).
- novemmaculata** (STROBL, 1906): Mems R. Soc. esp. Hist. nat., **3**: 411 (*Limnobia*). Type-locality: Gibraltar. [Synonymy not certain.]
- distendens** LUNDSTRÖM, 1912: Acta Soc. Fauna Flora fenn., **36**(1): 51 (*Dicranomyia*). Type-localities: Muonio; Karislojo (Finland).—Distr.: Europe: A, B, CH, CS, D, DDR, DK, F, GB, N, NL, PL, R, S, SF; USSR: NET (west), CET (west), SET (west), FE (Kamchatka, Sakhalin, Kuril Is); Nearctic Region.
- [uliginosa** (ALEXANDER, 1929): Bull. Brooklyn ent. Soc., **24**: 27 (*Limonia*). Type-locality: lake Pleasant, Hamilton Co., New York (USA).]
- distendens pallida** SAVCHENKO, 1983: Limoniidae of south Primorye: 130 (*Dicranomyia*). Type-locality: Kedrovaya Pad, Primorskiy kray (USSR).—Distr.: USSR: FE (Primorskiy kray, Kuril Is).
- francki** (ALEXANDER, 1932): Philipp. J. Sci., **49**: 379 (*Limonia*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- frontalis** (STAEGER, 1840): Naturh. Tidsskr., **3**: 52 (*Glochina*). Type-locality: Ordrupskrat, near Copenhagen (Denmark).—Distr.: Europe: A, B, CH, CS, D, DDR, DK, F, GB, H, I, N, NL, PL, R, S, SF, YU; USSR: NET (west), CET (northwest), SET (Uk), TC (Ge), WS (south), ES (south), FE (Magadan obl., Khabarovskiy kray, Primorskiy kray, Sakhalin, Kuril Is); Asia: Mongolia, North Korea, Japan (Hokkaido, Honshu, Shikoku, Kyushu); Pakistan, India, China (Jiangxi); Nearctic Region.
- ostensackeni** WESTHOFF, 1882: Bau Hypopygiums Tipula: 57 (*Dicranomyia*). Type-locality: Coerheide near Münster [D].
- immodestoides** ALEXANDER, 1919: Ann. ent. Soc. Am., **12**: 327 (*Dicranomyia*). Type-locality: Meguro, Tokyo, Honshu (Japan).

- goritiensis** (MIK, 1864): Verh. zool.-bot. Ges. Wien, **14**: 792 (*Limnobia*). Type-locality: Gorizia (Italy).—Distr.: Europe: A, CH, E, F (incl. Corsica), GB, GR (Crete), I, IRE, YU; USSR: SET (Crimea); North Africa: Morocco, Algeria.
- cornubiensis* (EDWARDS, 1938): Trans. Soc. Br. Ent., **5**: 34 (*Limonia*, as var. of *goritiensis*). Type-locality: St. Ives bay, Cornwall (Great Britain).
- gracilirostris** (ALEXANDER, 1938): Philipp. J. Sci., **66**: 469 (*Limonia*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- halobia** (TOKUNAGA, 1936): Annotnes zool. jap., **15**: 465 (*Limonia*). Type-locality: Shiroiwa, Tomioka, Amakusa Is, Kumamoto pref., Kyushu (Japan).—Distr.: Asia: Japan (Kyushu).
- halterata** OSTEN SACKEN, 1869: Smithson. misc. Collns, **8**(219): 71 (*Dicranomyia*). Type-locality: Labrador (Canada).—Distr.: Europe: CS, GB (Scotland), N, S, SF; USSR: NET, CET (northwest), north Siberia eastward to Magadan obl. and Chukotka; Nearctic Region.
- cinereipennis* LUNDSTRÖM, 1912: Acta Soc. Fauna Flora fenn., **36**(1): 52 (*Dicranomyia*). Type-localities: Enontekis; Muonio; Pallastunturi; Messuby (Finland).
- handlirschi** LACKSCHEWITZ, 1928: Annln naturh. Mus. Wien, **42**: 226 (*Dicranomyia*). Type-locality: Prachatice (Czechoslovakia).—Distr.: Europe: A, CH, CS, D, DK, N, PL, R, S; USSR: NET (southwest), CET (northwest), SET (Uk), WS (Tuva), FE (Khabarovskiy kray, Primorskiy kray, Sakhalin, Kuril Is).
- handlirschi ontakeana** (ALEXANDER, 1970): Trans. Shikoku ent. Soc., **10**: 69 (*Limonia*, as species). Type-locality: Mt. Ontake, Hida, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- hyalinata** (ZETTERSTEDT, 1851): Dipt. scand., **10**: 3883 (*Limnobia*). Type-localities: Wadstena; Fylla; Medhamra; Mulfjellet; Skalstugan; Gotland (Sweden).—Distr.: Europe: DK, N, S, SF; USSR: KZ (southeast), WS, ES, FE (from Magadan obl. to Kuril Is); Asia: Mongolia; Nearctic Region.
- [*aquila* DIETZ, 1915: Can. Ent., **47**: 331 (*Dicranomyia*). Type-locality: Fort Resolution, Northwest Territories (Canada).]
- incisurata** LACKSCHEWITZ, 1928: Annln naturh. Mus. Wien, **42**: 216 (*Dicranomyia*). Type-localities: several localities in Austria, north Italy and Yugoslavia.—Distr.: Europe: A, CH, CS, D, I, N, YU; USSR: WS (Tuva); Asia: Mongolia, China (Gansu, Tibet); Nearctic Region.
- sjoestedti* (ALEXANDER, 1934): Arkiv Zool., **27**(A)(17): 18 (*Limonia*). Type-locality: Kung-tze-tagga, Tsaluk valley, Min Mts, Gansu (China).
- infensa** (ALEXANDER, 1938): Philipp. J. Sci., **67**: 135 (*Limonia*). Type-locality: Seren Mts (North Korea).—Distr.: Asia: North Korea.
- intermedia** SANTOS ABREU, 1923: Memos R. Acad. Cienc. Artes Barcelona, **18**: 52 (*Dicranomyia*). Type-localities: Barranco del Río; Mazo (Canary Is: La Palma) (Barranco del Río by lectotype des. of THEOWALD, 1977).—Distr.: Canary Is.

- junctura** (ALEXANDER, 1949): Ann. Mag. nat. Hist., (12) 2: 531 (*Limonia*). Type-locality: Ta-chu-lan, Fujian (China).—Distr.: Asia: North Korea; China (Fujian).
- kandybinae** SAVCHENKO in KANDYBINA, LANTZOV and SAVCHENKO, 1987: Catalog type-specimens Zool. Inst. Leningrad: 10 (*Dicranomyia*, as new name for *Dicranomyia clotho* SAVCHENKO, 1983, a junior secondary homonym of *Limonia clotho* ALEXANDER, 1964, now in *Dicranomyia*).—Distr.: USSR: FE (Primorskiy kray).
- clotho* SAVCHENKO, 1983: Limoniidae of south Primorye: 133 (*Dicranomyia*). Type-locality: Anisimovka, Shkotovo district, Primorskiy kray (USSR).
- kirishimana** ALEXANDER, 1925: Ann. ent. Soc. Am., 17: 432 (*Dicranomyia*). Type-locality: Mt. Kirishima, on boundary between Osumi and Hiuga, Kyushu (Japan).—Distr.: Asia: Japan (Kyushu).
- lachesis** SAVCHENKO, 1983: Limoniidae of south Primorye: 133 (*Dicranomyia*). Type-locality: Kedrovaya Pad, Khasan district, Primorskiy kray (USSR).—Distr.: USSR: FE (Primorskiy kray).
- laticellula** (ALEXANDER, 1932): Philipp. J. Sci., 49: 381 (*Limonia*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan); India. [See *limonioides*.]
- lethe** (ALEXANDER, 1938): Philipp. J. Sci., 66: 317 (*Limonia*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- limonioides** SAVCHENKO, 1974: Dopov. Akad. Nauk ukr. RSR (B), 1974: 470 (*Dicranomyia*). Type-locality: Kvak, near Kondara, Gissar Mts (USSR: Tj).—Distr.: USSR: KZ (Zailiyskiy Alatau), SMA (Tj). [?Conspecific with *laticellula* ALEXANDER, 1932.]
- livornica** LACKSCHEWITZ, 1928: Annln naturh. Mus. Wien, 42: 214 (*Dicranomyia*). Type-localities: Livorno; Sicily (Italy).—Distr.: Europe: F, GR (Crete), I (incl. Sicily).
- longicollis** (MACQUART, 1846): Mém. Soc. Agric. Lille, 1844: 18 (*Limnobia*). Type-locality: Oran (Algeria).—Distr.: Europe: E; North Africa: Morocco, Algeria.
- longipennis** (SCHUMMEL, 1829): Beitr. Ent., Breslau, 1: 104 (*Limnobia*). Type-locality: near Wrocław (Poland).—Distr.: Europe: A, BG, CH, CS, D, E, PL, R, S, SF, YU; USSR: NET, CET, SET, TC, KZ, SMA (Ki, Tj), WS (south), ES (south), FE (Primorskiy kray); Asia: Iran, Mongolia, Japan (Hokkaido, Honshu, Shikoku, Kyushu), ?Syria; India; Nearctic Region.
- tiefii* (STROBL, 1901): Jber. naturh. Landesmus. Kärnten, 26: 190 (*Limnobia*). Type-locality: near Villach (Austria).
- lorettæ** GEIGER, 1985: Bull. zool. Mus. Univ. Amsterdam, 10: 58 (*Dicranomyia*). Type-locality: Vezia (Switzerland).—Distr.: Europe: CH.
- lucida** DE MEIJERE, 1918: Tijdschr. Ent., 61: 128 (*Dicranomyia*). Type-locality: Bunde (The Netherlands).—Distr.: Europe: B, BG, CH, CS, D, F, GB, GR (Crete), NL, R, YU; USSR: TC.



- luteipennis** GOETGHEBUER in GOETGHEBUER and TONNOIR, 1920: Bull. Soc. ent. Belg., 2: 108 (*Dicranomyia*). Type-localities: Hockai; Gedinne; Gand (Belgium).—Distr.: Europe: B, BG, CH, CS, D, F, I, PL, R, ?YU.
- maderensis** (WOLLASTON, 1858): Ann. Mag. nat. Hist., (3) 1: 114 (*Limnobia*). Type-locality: Madeira.—Distr.: Madeira.
- mariana** SELIGO, 1931: Ber. westpreuss. bot.-zool. Ges., 53(9): 9 (*Dicranomyia*). Type-locality: Mariensee [Poland].—Distr.: Europe: PL.
- mattheyi** GEIGER, 1985: Bull. zool. Mus. Univ. Amsterdam, 10: 55 (*Dicranomyia*). Type-locality: Fuorn (Switzerland).—Distr.: Europe: CH.
- melanacaena** (ALEXANDER, 1970): Trans. Shikoku ent. Soc., 10: 67 (*Limonia*). Type-locality: Kurokawa, Echigo, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- melanantha** SAVCHENKO, 1984: Tax. Zoog. Insects, Kiev: 98 (*Dicranomyia*). Type-locality: Khandy, Dzhavakhtskiy Mts, Akhalkalaki district (USSR: Ge).—Distr.: Europe: F (Corsica); USSR: SET (Caucasus), TC (Ge, Az); Asia: ?Lebanon. [?Conspecific with *nigritorus* ALEXANDER, 1975.]
- mesosternatoides** ALEXANDER, 1925: Ann. Mag. nat. Hist., (9) 15: 65 (*Dicranomyia*). Type-locality: Akan, Kushiro-no-kuni, Hokkaido (Japan).—Distr.: USSR: FE (Primorskiy kray, Sakhalin, Kuril Is); Asia: Japan (Hokkaido).
- japonica* LACKSCHEWITZ in LACKSCHEWITZ and PAGAST, 1941: 16. Limoniidae, Fliegen pal. Reg., 3(5)2: 22 (*Dicranomyia*, as var. of *consimilis* ZETTERSTEDT). Type-locality: Japan.
- michaeli** (THEOWALD, 1977): Beaufortia, 26: 177 (*Limonia*). Type-locality: Pico de Vara, São Miguel (Azores).—Distr.: Azores, Madeira, Canary Is.
- micronychia** LACKSCHEWITZ in LACKSCHEWITZ and PAGAST, 1941: 16. Limoniidae, Fliegen pal. Reg., 3(5)2: 29 (*Dicranomyia*). Type-locality: not given ("aus Loew's Sammlung ohne Fundortsangabe").—Distr.: Europe: F (Corsica).
- mishimana** (ALEXANDER, 1970): Trans. Shikoku ent. Soc., 10: 68 (*Limonia*). Type-locality: Mt. Ontake, Hida, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- mitis** (MEIGEN, 1830): Syst. Besch., 6: 278 (*Limnobia*). Type-locality: not given (?near Stolberg [D]).—Distr.: Europe: A, AL, B, BG, CH, CS, D, DDR, DK (incl. Faeroes), E, F (?incl. Corsica), GB, H, I, IRE, L, N, NL, PL, R, S, SF, YU; USSR: NET (south), CET, SET, TC, SMA (Tu); North Africa: Morocco, Algeria. [A junior synonym adopted in accordance with usage.] [*mitis*, *lutea* and *affinis*, as defined by EDWARDS, 1938, are probably valid species with quite different ecologies, STUBBS, in litt., 1990.]
- lutea* (MEIGEN, 1818): Syst. Besch., 1: 133 (*Limnobia*). Type-locality: not given (?near Stolberg [D]). [A junior secondary homonym of *Limonia lutea* MEIGEN, 1804.]
- affinis* (SCHUMMEL, 1829): Beitr. Ent., Breslau, 1: 127 (*Limnobia*). Type-locality: near Wrocław (Poland). [A questionable senior synonym.]

- excisa* (WALKER, 1848): List Dipt. Brit. Mus., 1: 47 (*Limnobia*). Type-locality: Alten [= Alta] (Norway).
- lutea* LACKSCHEWITZ, 1928: Annln naturh. Mus. Wien, 42: 213 (*Dicranomyia*, as form of *mitis*). Type-localities: England, and several localities in Austria and north Italy.
- infuscata* LACKSCHEWITZ, 1928: Annln naturh. Mus. Wien, 42: 213 (*Dicranomyia*, as var. of *mitis*). Type-localities: Algeciras; Albarracin (Spain).
- imbecilla* LACKSCHEWITZ in LACKSCHEWITZ and PAGAST, 1941: 16. Limoniidae, Fliegen pal. Reg., 3(5)2: 30 (*Dicranomyia*, as var. of *mitis*). Type-locality: river Saale near Burgk [D].
- hygropetrica* VAILLANT, 1952: Revue fr. Ent., 19: 250 (*Dicranomyia*). Type-locality: Constantine (Algeria).
- modesta** (MEIGEN, 1818): Syst. Besch., 1: 134 (*Limnobia*). Type-locality: not given (?near Stolberg [D]).—Distr.: Europe: A, B, BG, CH, CS, D, DDR, DK, E, F (incl. Corsica), GB, H, I, IRE, L, N, NL, PL, R, S, SF, YU; USSR: NET, CET, SET, TC, KZ, SMA (Tj, Ki, TU), WS, ES, FE; Asia: Iran, Afghanistan, Japan (all major islands); Nearctic Region.
- simplex* (MEIGEN, 1830): Syst. Besch., 6: 277 (*Limnobia*). Type-locality: not given (?near Stolberg [D]).
- nova* (MEIGEN, 1830): Syst. Besch., 6: 278 (*Limnobia*). Type-locality: not given (?near Stolberg [D]).
- takahashii* ALEXANDER, 1920: Trans. Am. ent. Soc., 46: 2 (*Dicranomyia*). Type-locality: Tokyo, Honshu (Japan).
- spinicauda* ALEXANDER, 1924: Philipp. J. Sci., 24: 545 (*Dicranomyia*). Type-locality: Toyohara [= Yuzhno-Sakhalinsk], Sakhalin (USSR).
- moniliformis** DOANE, 1900: Jl N.Y. ent. Soc., 8: 184 (*Dicranomyia*). Type-localities: Colorado; Long Island; Nantucket Island (USA).—Distr.: Europe: S; Nearctic Region.
- monostromia** (TOKUNAGA, 1930): Mem. Coll. Agric. Kyoto Univ., 10: 1 (*Limonina*). Type-locality: Seto, Wakayama pref., Honshu (Japan).—Distr.: Asia: Japan (Honshu, Shikoku).
- neopulchripennis** (ALEXANDER, 1940): Notes Ent. chin., 8: 19 (*Limonina*). Type-locality: Mt. Tien-mu, Zhejiang (China).—Distr.: Asia: China (Zhejiang); China (Jiangxi).
- nigritorus** (ALEXANDER, 1975): Jl N.Y. ent. Soc., 83: 130 (*Limonina*). Type-locality: Barajan (Iran).—Distr.: Asia: Iran. [See *melanantha*.]
- ochripes** (ALEXANDER, 1955): Philipp. J. Sci., 83: 279 (*Limonina*). Type-locality: Mt. Saragamine, Iyo, Shikoku (Japan).—Distr.: USSR: FE (Kurul Is); Asia: Japan (Shikoku).
- omissinervis** DE MEIJERE, 1918: Tijdschr. Ent., 61: 129 (*Dicranomyia*). Type-locality: Zwammerdam (The Netherlands).—Distr.: Europe: CH, CS, D, F, GB, NL, PL, S, YU; USSR: NET (southwest), CET (northwest), SET (Carpathians), WS (Tuva), ES (Irkutsk obl.), FE (Magadan obl., Kamchatka,

Khabarovskiy kray, Primorskiy kray, Sakhalin, Kuril Is); Asia: Mongolia.

**ornata** (MEIGEN, 1818): Syst. Besch., 1: 144 (*Limnobia*). Type-locality: near Stolberg [D].—Distr.: Europe: A, B, CH, CS, D, DDR, E, F (incl. Corsica), GB, I, L, NL, P, PL, SF, R, YU; USSR: CET (west), SET (Carpathians, Crimea); Asia: Turkey.

**pammelas** ALEXANDER, 1925: Ann. ent. Soc. Am., 17: 433 (*Dicranomyia*). Type-locality: Mt. Minomo, Settsu-no-kuni, Honshu (Japan).—Distr.: Asia: Japan (Honshu, Kyushu), China (Zhejiang).

**patens** LUNDSTRÖM, 1907: Acta Soc. Fauna Flora fenn., 29(8): 7 (*Dicranomyia*). Type-locality: Kuustö (Finland).—Distr.: Europe: ?GB, N, ?PL, S, SF; USSR: NET (west), CET (northwest), ES (south), FE (Magadan obl., Kamchatka, Khabarovskiy kray, Primorskiy kray, Sakhalin, Kuril Is); Nearctic Region.

**paupercula** ALEXANDER, 1921: Ann. ent. Soc. Am., 14: 112 (*Dicranomyia*). Type-locality: Koiwai farm, near Morioka, Honshu (Japan).—Distr.: Asia: Japan (Honshu).

**patricia** STARY, 1982: Bull. zool. Mus. Univ. Amsterdam, 9: 33 (*Dicranomyia*). Type-locality: Bel Mehtia (Tunisia).—Distr.: Europe: ?BG; North Africa: Tunisia.

**poli** (ALEXANDER, 1941): Philipp. J. Sci., 76: 44 (*Limonia*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: Japan (Honshu, Shikoku, Kyushu), China (Sichuan); China (Jiangxi).

**pontica** LACKSCHEWITZ in LACKSCHEWITZ and PAGAST, 1941: 16. Limoniidae, Fliegen pal. Reg., 3(5)2: 20 (*Dicranomyia*). Type-locality: not given (LACKSCHEWITZ, 1964: Adzhary near Chalta on Kodor river, Sukhumi district, Abkhaz ASSR, USSR).—Distr.: USSR: SET (southeast), TC (Ge).

[**punctulata** DE MEIJERE, 1911: Tijdschr. Ent., 54: 26 (*Dicranomyia*). Type-locality: Semarang, Java (Indonesia).—Distr.: Asia: ?Japan (?Kyushu); Taiwan, Malaya, Indonesia, Mentawai Is.]

**rectidens** (ALEXANDER, 1934): Philipp. J. Sci., 54: 323 (*Limonia*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan, Zhejiang); China (Jiangxi), Sri Lanka.

**reductissima** (ALEXANDER, 1952): Ann. Mag. nat. Hist., (12) 5: 1109 (*Limonia*). Type-locality: Poshö, Kyari Dzong, east Tibet (China).—Distr.: USSR: WS (south), ES (south), FE (Magadan obl.); Asia: China (Tibet), Mongolia; Nearctic Region.

[*lindrothi* (TJEDER, 1963): Opusc. ent., 28: 229 (*Limonia*). Type-locality: Nome, Alaska (USA).]

**sachalina** ALEXANDER, 1924: Philipp. J. Sci., 24: 543 (*Dicranomyia*). Type-locality: Sakaehama [= Starodubskoye], Dolinskiy district, Sakhalin (USSR).—Distr.: USSR: FE (Sakhalin).

**schmidiana** (ALEXANDER, 1975): JI N.Y. ent. Soc., 83: 131 (*Limonia*). Type-locality: Darband (Iran).—Distr.: Asia: Iran.

- sera** (WALKER, 1848): List Dipt. Brit. Mus., 1: 46 (*Limnobia*). Type-locality: England (Great Britain).—Distr.: Europe: A, B, BG, CS, D, DDR, DK, F (incl. Corsica), GB, IRE, NL, PL, R, S, SF; USSR: SET, KZ, SMA (Ki), WS (south), ES (south), FE (Chukotka, Primorskiy kray); Asia: Afghanistan, Mongolia; Nearctic Region.
- disjuncta** (WALKER, 1848): List Dipt. Brit. Mus., 1: 48 (*Limnobia*). Type-locality: England (Great Britain).
- globata** (WALKER, 1848): List Dipt. Brit. Mus., 1: 52 (*Limnobia*). Type-locality: England (Great Britain).
- forcipula** DE MEIJERE, 1918: Tijdschr. Ent., 61: 128 (*Dicranomyia*). Type-localities: Diemen; Monnikendam (The Netherlands).
- discors** KUNTZE, 1919: Dt. ent. Z., 1919: 143 (*Dicranomyia*). Type-locality: Esbjerg (Denmark).
- [**erostrata** (ALEXANDER, 1930): Bull. Brooklyn ent. Soc., 25: 71 (*Limonia*). Type-locality: Saltair, Utah (USA).]
- shinanoensis** (ALEXANDER, 1933): Philipp. J. Sci., 50: 137 (*Limonia*). Type-locality: Kumanoyu, Shinano, Honshu (Japan).—Distr.: USSR: FE (Primorskiy kray, Sakhalin, Kuril Is); Asia: Japan (Honshu, Shikoku).
- signata** LACKSCHEWITZ in LACKSCHEWITZ and PAGAST, 1941: 16. Limoniidae, Fliegen pal. Reg., 3(5)2: 31 (*Dicranomyia*). Type-localities: Corsica (France); Palestina.—Distr.: Europe: BG, F (Corsica), I, YU; Asia: Israel.
- sparsa** ALEXANDER, 1924: Philipp. J. Sci., 24: 544 (*Dicranomyia*). Type-locality: Toyohara [= Yuzhno-Sakhalinsk], Sakhalin (USSR).—Distr.: USSR: FE (Sakhalin); Asia: North Korea.
- strobli** PAGAST in LACKSCHEWITZ and PAGAST, 1941: 16. Limoniidae. Fliegen pal. Reg., 3(5)2: 31 (*Dicranomyia*). Type-locality: Alps.—Distr.: Europe: A, CH, CS, D, F, I, R, ?YU.
- subdichroa** SAVCHENKO, 1974: Dopov. Akad. Nauk ukr. RSR (B), 1974: 471 (*Dicranomyia*). Type-locality: Eldere gorge, Kopet-Dag Mts (USSR: Tu).—Distr.: USSR: SMA (Tu).
- subdidyma** (ALEXANDER, 1975): JI N.Y. ent. Soc., 83: 132 (*Limonia*). Type-locality: Darband (Iran).—Distr.: Asia: Iran.
- sublimis** (ALEXANDER, 1932): Philipp. J. Sci., 49: 384 (*Limonia*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan, Tibet); India, Burma.
- subpulchripennis** (ALEXANDER, 1931): Philipp. J. Sci., 44: 350 (*Limonia*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- suspensa** (ALEXANDER, 1933): Philipp. J. Sci., 51: 394 (*Limonia*). Type-locality: Seto, Kii, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- takeuchii** ALEXANDER, 1922: Insecutor Inscit. menstr., 10: 179 (*Dicranomyia*). Type-locality: Mt. Ibuki, Honshu (Japan).—Distr.: USSR: FE (Primorskiy kray, Sakhalin, Kuril Is); Asia: Japan (Honshu, Shikoku).

- terraenovae** ALEXANDER, 1920: Pomona Coll. J. Ent. Zool., **12**: 85 (*Dicranomyia*). Type-locality: Spruce Brook, Newfoundland (Canada).—Distr.: Europe: DK, N, S, SF; USSR: NET, CET (northwest), WS (south), ES (south), FE (Kamchatka, Magadan obl., Khabarovskiy kray); Asia: Mongolia; Nearctic Region.
- tenuipes** (ZETTERSTEDT, [1838]): Insecta Lapp.: 837 (*Limnobia*). Type-localities: Lycksele; Kengis (Sweden). [A junior primary homonym of *Limnobia tenuipes* SAY, 1823.]
- decora** (STAEGER, 1840): Naturh. Tidsskr., **3**: 47 (*Limnobia*). Type-locality: Silkeborg (Denmark). [A junior primary homonym of *Limnobia decora* HALIDAY, 1833.]
- tessulata** (SAVCHENKO, 1974): Vestn. zool., **1974**(4): 68 (*Rhipidia*). Type-locality: Alma-Atinskoye lake, Zailiyskiy Alatau (USSR).—Distr.: USSR: KZ (Zailiyskiy Alatau), SMA (Ki, Tj).
- trifilamentosa** (ALEXANDER, 1932): Philipp. J. Sci., **49**: 112 (*Limonia*). Type-locality: Seto, Wakayama pref., Honshu (Japan).—Distr.: Asia: Japan (Honshu, Kyushu).
- trispinula** (ALEXANDER, 1933): Philipp. J. Sci., **50**: 139 (*Limonia*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- tristina** (ALEXANDER, 1930): Philipp. J. Sci., **42**: 512 (*Limonia*). Type-locality: Kosugidani, Yakushima, Kyushu (Japan).—Distr.: Asia: Japan (Shikoku, Kyushu).
- unicinctifera** (ALEXANDER, 1930): Philipp. J. Sci., **42**: 513 (*Limonia*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- unispinosa** ALEXANDER, 1921: Ann. ent. Soc. Am., **14**: 114 (*Dicranomyia*). Type-locality: Gifu, Honshu (Japan).—Distr.: USSR: FE (Primorskiy kray, Kuril Is); Asia: Japan (Honshu, Kyushu).
- variispina** ALEXANDER, 1925: Ann. Mag. nat. Hist., (9) **15**: 65 (*Dicranomyia*). Type-locality: Hinoemata, Iwashiro-no-kuni, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- ventralis** (SCHUMMEL, 1829): Beitr. Ent., Breslau, **1**: 136 (*Limnobia*). Type-locality: Charlottenbrunn [= Jedlina Zdrój, S of Walbrzych] (Poland).—Distr.: Europe: A, B, BG, CH, CS, D, DDR, DK, E, F, GB, H, I, N, NL, PL, R, S, SF; USSR: NET (west), CET (west), SET (Uk, Crimea), TC, SMA (Ki), Siberia eastward to Yakutsk ASSR; Asia: Iran, Afghanistan, North Korea; India.
- [*simplex* BRUNETTI, 1912: Fauna Brit. India, Dipt., **1**: 384 (*Dicranomyia*). Type-locality: Calcutta (India).]
- perserotina** (ALEXANDER, 1945): Trans. R. ent. Soc. Lond., **95**: 240 (*Limonia*). Type-locality: Ompo (North Korea).
- [*pristomera* (ALEXANDER, 1968): Orient. Ins., **1**: 204 (*Limonia*). Type-locality: Piriapatna, Mysore (India).]

- veternosa** (ALEXANDER, 1935): Philipp. J. Sci., **57**: 208 (*Limonia*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- vicina** (MACQUART *in* WEBB and BERTHELOT, 1839): Hist. nat. Iles Canaries, **2**(2): 101 (*Limnobia*). Type-locality: not given (Canary Is).—Distr.: Azores, Madeira, Canary Is.
- canariensis* BECKER, 1908: Mitt. zool. Mus. Berl., **4**: 82 (*Dicranomyia*). Type-localities: Gran Canaria; Tenerife (Canary Is).
- punctipennis* PIERRE, 1921: Bull. Mus. natn. Hist. nat. Paris, **27**: 298 (*Dicranomyia*). Type-locality: Tafira, Gran Canaria (Canary Is).
- bifasciata* SANTOS ABREU, 1923: Mems R. Acad. Cienc. Artes Barcelona, **18**: 44 (*Dicranomyia*, as var. of *canariensis*). Type-locality: Dehesa de la Encarnación, La Palma (Canary Is).
- domestica* (SANTOS ABREU, 1923): Mems R. Acad. Cienc. Artes Barcelona, **18**: 144 (*Tedotea*). Type-locality: Santa Cruz de la Palma, La Palma (Canary Is).
- pallidula* SANTOS ABREU, 1923: Mems R. Acad. Cienc. Artes Barcelona, **18**: 44 (*Dicranomyia*, as var. of *canariensis*). Type-locality: Barranco de Morera, La Palma (Canary Is).
- zernyi** LACKSCHEWITZ, 1928: Annln naturh. Mus. Wien, **42**: 217 (*Dicranomyia*). Type-locality: Mader in Böhmerwald [= Modrava na Sumave] (Czechoslovakia).—Distr.: Europe: CS, D, N, S; USSR: CET (Li), SET (Carpathians), Ural, ES (Buryat ASSR), FE (Chukotka, Primorskiy kray, Sakhalin, Kuril Is); Nearctic Region.

#### Subgenus EROSTRATA SAVCHENKO, 1976

SAVCHENKO *in* SAVCHENKO and KRIVOLUTSKAYA, 1976: Limoniidae of the south Kuril Islands and south Sakhalin: 130-131 (as subgenus of *Dicranomyia* STEPHENS, 1829).

Type-species: *Dicranomyia globithorax* OSTEN SACKEN, 1869: Smithson. misc. Collns, **8**(219): 74 (orig. des.).

- [**globithorax** OSTEN SACKEN, 1869: Smithson. misc. Collns, **8**(219): 74 (*Dicranomyia*). Type-localities: White Mts; Washington D.C. (USA).—Distr.: USA, Canada.]
- globithorax globulithorax** ALEXANDER, 1924: Philipp. J. Sci., **24**: 547 (*Dicranomyia*, as species). Type-locality: Shikotsu, Hokkaido (Japan).—Distr.: USSR: FE (Primorskiy kray, Kuril Is); Asia: Japan (Hokkaido, Shikoku).
- tabashii** (ALEXANDER, 1934): Philipp. J. Sci., **55**: 39 (*Limonia*). Type-locality: Suigen (North Korea).—Distr.: USSR: FE (Primorskiy kray, Sakhalin, Kuril Is); Asia: North Korea.

## Subgenus EUGLOCHINA ALEXANDER, 1921

ALEXANDER, 1921: Can. Ent., **53**: 207 (as subgenus of *Dicranomyia* STEPHENS, 1829).

Type-species: *Dicranomyia cuneiformis* DE MEIJERE, 1911: Tijdschr. Ent., **54**: 23 (orig. des.) [= *saltens* (DOLESCHALL, 1857)]; not Palearctic.

**curtivena** ALEXANDER, 1922: Insector Inscit. menstr., **10**: 179 (*Dicranomyia*).

Type-locality: Gifu, Honshu (Japan).—Distr.: Asia: Japan (Honshu); Taiwan.

**dignitosa** (ALEXANDER, 1931): Philipp. J. Sci., **44**: 351 (*Limonia*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan, Zhejiang); China (Jiangxi).

## Subgenus GLOCHINA MEIGEN, 1830

MEIGEN, 1830: Syst. Besch., **6**: 280 (as genus).

Type-species: *Glochina sericata* MEIGEN, 1830: l.c.: 280 (by present designation).

*Siagona* MEIGEN, 1830: Syst. Besch., **6**: plate 65 (as genus). Type-species: *Glochina sericata* MEIGEN, 1830: l.c.: 280 (mon.).

*Salebria* SAVCHENKO in SAVCHENKO and KRIVOLUTSKAYA, 1976: Limoniidae of the south Kuril Islands and south Sakhalin: 140 (as subgenus of *Dicranomyia* STEPHENS, 1829). Type-species: *Limnobia tristis* SCHUMMEL, 1829: Beitr. Ent., Breslau, **1**: 135 (orig. des.).

*Salebriella* SAVCHENKO, 1978: Vestn. zool., **1978**(5): 49 (as subgenus of *Dicranomyia* STEPHENS, 1829, as new name for *Salebria* SAVCHENKO, 1976, a junior homonym of *Salebria* ZELLER, 1856). Type-species: *Limnobia tristis* SCHUMMEL, 1829: Beitr. Ent., Breslau, **1**: 135 (aut.).

**bangerteri** (MENDL, 1974): Fragm. ent., Roma, **9**: 205 (*Limonia*). Type-locality: Colla valley, near Diano Castello, Imperia, Liguria (Italy).—Distr.: Europe: CH, F, I.

**basifusca** ALEXANDER, 1919: Ann. ent. Soc. Am., **12**: 328 (*Dicranomyia*). Type-locality: Meguro, Tokyo, Honshu (Japan).—Distr.: Asia: Japan (Honshu, Shikoku, Kyushu); Bonin Is.

*atripleura* ALEXANDER, 1919: Ann. ent. Soc. Am., **12**: 328 (*Dicranomyia*). Type-locality: Choshi, Chiba pref., Honshu (Japan).

**brevispina** SAVCHENKO in SAVCHENKO and KRIVOLUTSKAYA, 1976: Limoniidae of the south Kuril Islands and south Sakhalin: 141 (*Dicranomyia*). Type-locality: near Yuzhno-Kurilsk, Kunashir, Kuril Is (USSR).—Distr.: USSR: FE (Kuril Is).

**cretica** MENDL, 1979: Spixiana, **2**: 170 (*Dicranomyia*). Type-locality: Episkopi, Crete (Greece).—Distr.: Europe: GR (Crete).

- hansiana** STARÝ et GEIGER, 1985: *Annotnes zool.-bot. Bratisl.*, **166**: 2 (*Dicranomyia*). Type-locality: Il Fuorn, Graubünden (Switzerland).—Distr.: Europe: CH, I.
- kaszabi** (MANNHEIMS et SAVCHENKO, 1973): *Annlis hist.-nat. Mus. natn. hung.*, **65**: 260 (*Limonia*). Type-locality: Chamardavaa ul, 80 km SE Somon Chalchingol (Mongolia).—Distr.: Asia: Mongolia.
- kinensis** (ALEXANDER, 1934): *Arkiv Zool.*, **27(A)(17)**: 17 (*Limonia*). Type-locality: Kung-tze-tagga, Tsaluk valley, Min Mts, Gansu (China).—Distr.: Europe: A, CH, CS, I, NL; USSR: TC (Ge), FE (Primorskiy kray); Asia: China (Gansu).
- liberta** OSTEN SACKEN, 1860: *Proc. Acad. nat. Sci. Philad.*, **1859**: 209 (*Dicranomyia*). Type-localities: Washington D.C.; Mobile, Alabama; Dalton, Georgia; Wisconsin (USA).—Distr.: USSR: WS (near Tomsk); Nearctic Region.
- mediterranea** LACKSCHEWITZ in LACKSCHEWITZ and PAGAST, 1942: 16. *Limoniidae*, *Fliegen pal. Reg.*, **3(5)2**: 35 (*Dicranomyia*). Type-localities: Algeria; southern Europe.—Distr.: Europe: AL, I; North Africa: Algeria.
- pauli** GEIGER, 1983: *Revue suisse Zool.*, **90**: 639 (*Dicranomyia*). Type-locality: Verschiez (Switzerland).—Distr.: Europe: CH, GB, I, YU.
- perobtusa** (ALEXANDER, 1945): *Notes Ent. chin.*, **21**: 23 (*Limonia*). Type-locality: Kunming, Yunnan (China).—Distr.: Asia: China (Tibet); China (Yunnan).
- persordida** SAVCHENKO in SAVCHENKO and KRIVOLUTSKAYA, 1976: *Limoniidae of the south Kuril Islands and south Sakhalin*: 142 (*Dicranomyia*). Type-locality: near Alekhino, Kunashir, Kuril Is (USSR).—Distr.: USSR: FE (Kuril Is).
- schineri** LACKSCHEWITZ, 1928: *Annlis naturh. Mus. Wien*, **42**: 223 (*Dicranomyia*). Type-locality: not given.—Distr.: Europe: A, CH, CS, DDR, H, I, R, S, SF; USSR: CET (Ural), SET (south), KZ (Zailiyskiy Alatau), SMA (Ki), WS (Altai, Tuva); Asia: Mongolia.
- schineriana* (ALEXANDER, 1964): *Philipp. J. Sci.*, **93**: 282 (*Limonia*, as new name for *Dicranomyia schineri* LACKSCHEWITZ, 1928, at time of replacement a junior secondary homonym of *Peripheroptera schineri* OSTEN SACKEN, 1887, replaced after 1961 and to date not considered congeneric).
- sericata** (MEIGEN, 1830): *Syst. Besch.*, **6**: 280 (*Glochina*). Type-locality: not given (?near Stolberg [D]).—Distr.: Europe: A, AL, B, BG, CH, CS, D, ?DDR, E, F (incl. Corsica), GB, GR (incl. Crete, Rodhos), H, I (incl. Sicily), R, YU; USSR: SET (Carpathians, Crimea), TC (southeast); Asia: Turkey.
- grisea* (MACQUART, 1826): *Mém. Soc. Sci. Agric. Lille*, **1823-1824**: 156 (*Limnobia*). Type-locality: not given (northern France). [A questionable senior synonym.]
- glabrata* (WALKER, 1856): *Ins. Brit., Dipt.*, **3**: 299 (*Limnobia*). Type-locality: not given (Great Britain).
- croatica* (EGGER, 1863): *Verh. zool.-bot. Ges. Wien*, **13**: 1108 (*Limnobia*). Type-locality: Croatia (Yugoslavia).



- sordida** BRUNETTI, 1912: Fauna Brit. India, Dipt., 1: 382 (*Dicranomyia*). Type-locality: Kurseong, Darjeeling (India).—Distr.: Asia: Tibet; widespread Oriental, Australasian and Oceanian Regions.
- sordidipennis** (ALEXANDER, 1940): Lingnan Sci. J., 19: 111 (*Limonia*). Type-locality: Mt. Tien-mu, Zhejiang (China).—Distr.: USSR: FE (Primorskiy kray); Asia: China (Zhejiang).
- transsilvanica** LACKSCHEWITZ, 1928: Annln naturh. Mus. Wien, 42: 223 (*Dicranomyia*). Type-locality: Siebenbürgen [= Transylvania (Roumania)].—Distr.: Europe: A, CH, CS, ?DDR, I, R, YU; USSR: SET, TC (Arm, Az).
- tristis** (SCHUMMEL, 1829): Beitr. Ent., Breslau, 1: 135 (*Limnobia*). Type-localities: near Wrocław; Pöpelwitz (Poland).—Distr.: Europe: A, B, BG, CH, CS, D, DDR, E, F, H, I, N, NL, PL, R, S, SF, YU; USSR: NET (southwest), CET, SET, TC, SMA (Ki), southern Siberia eastward to Primorskiy kray; North Africa: Algeria; Asia: North Korea, Japan (Hokkaido); China (Jiangxi); Nearctic Region.
- maculosa* (STROBL, 1900): Wien. ent. Ztg, 19: 212 (*Limnobia*, as form of *tristis*). Type-locality: Brincola (Spain). [Synonymy not certain.]
- subtristis* ALEXANDER, 1924: Philipp. J. Sci., 24: 542 (*Dicranomyia*). Type-locality: Kamuikotan, Hokkaido (Japan).
- retroflexa* BANGERTER, 1948: Mitt. schweiz. ent. Ges., 21: 185 (*Dicranomyia*). Type-locality: Sensetal (Switzerland).
- tristoides** (ALEXANDER, 1929): Philipp. J. Sci., 40: 328 (*Limonia*). Type-locality: Koshurei, Kongchuling, Manchuria (China).—Distr.: Asia: Mongolia, China (Manchuria).

#### Subgenus IDIOGLOCHINA ALEXANDER, 1921

ALEXANDER, 1921: Can. Ent., 53: 207 (as subgenus of *Dicranomyia* STEPHENS, 1829).

Type-species: *Rhipidia tusitala* ALEXANDER, 1921: Bull. Brooklyn ent. Soc., 16: 10 (orig. des.); not Palaeartic.

- medidorsalis** (TOKUNAGA, 1936): Annotnes zool. jap., 15: 460 (*Limonia*). Type-locality: Kurose, Tomie, Goto Is, Nagasaki pref., Kyushu (Japan).—Distr.: Asia: Japan (Kyushu).
- tokunagai** (ALEXANDER, 1932): Philipp. J. Sci., 49: 113 (*Limonia*). Type-locality: Seto, Wakayama pref., Honshu (Japan).—Distr.: Asia: Japan (Honshu, Kyushu); Japan (Ryukyu Is).
- tokunagana** (ALEXANDER, 1964): Philipp. J. Sci., 93: 282 (*Limonia*, as new name for *Limonia gloriosa* TOKUNAGA, 1938, a junior secondary homonym of *Furcomyia gloriosa* ALEXANDER, 1912).—Distr.: Asia: Japan (Honshu).
- gloriosa* (TOKUNAGA, 1938): Annotnes zool. jap., 17: 165 (*Limonia*). Type-locality: Hayama, Honshu (Japan).

## Subgenus IDIOPYGA SAVCHENKO, 1987

SAVCHENKO, 1987: Vestn. zool., 1987(6): 81 (as subgenus of *Dicranomyia* STEPHENS, 1829, as new name for *Sphaeropyga* SAVCHENKO, 1976, a junior homonym of *Sphaeropyga* BAIER, 1960).

Type-species: *Limnobia stigmatica* MEIGEN, 1830: Syst. Besch., 6: 278 (aut.).

*Sphaeropyga* SAVCHENKO in SAVCHENKO and KRIVOLUTSKAYA, 1976: Limoniidae of the south Kuril Islands and south Sakhalin: 146 (as subgenus of *Dicranomyia* STEPHENS, 1829). Type-species: *Limnobia stigmatica* MEIGEN, 1830: Syst. Besch., 6: 278 (orig. des.).

**alpina** BANGERTER, 1948: Mitt. schweiz. ent. Ges., 21: 187 (*Dicranomyia*). Type-locality: alpine meadows above Mürren, Berner Oberland (Switzerland).—Distr.: Europe: A, CH, CS, D.

**ctenopyga** (ALEXANDER, 1943): Am. Midl. Nat., 29: 156 (*Limonia*). Type-locality: Copper Creek below Judd Falls, Colorado (USA).—Distr.: USSR: SET (southeast), WS (Altai, Tuva), ES (south), FE (Magadan obl., Kamchatka, Primorskiy kray); Nearctic Region. [?Conspecific with *retrograda* ALEXANDER, 1941.]

**danica** KUNTZE, 1919: Dt. ent. Z., 1919: 144 (*Dicranomyia*). Type-locality: Faeroes (Denmark).—Distr.: Europe: A, CS, D, DDR, DK (incl. Faeroes), GB, H, NL, PL, S, SF; USSR: SMA (Ki).

**esbeni** (NIELSEN, 1940): Ent. Meddr, 20: 575 (*Limonia*). Type-locality: near Lerkenfeld, Jutland (Denmark).—Distr.: Europe: DK.

**grahamiana** (ALEXANDER, 1933): Philipp. J. Sci., 51: 529 (*Limonia*). Type-locality: near Tang-Gu (China).—Distr.: Asia: China (Sichuan-Tibet border).

**halterella** EDWARDS, 1921: Trans. R. ent. Soc. Lond., 1921: 201 (*Dicranomyia*). Type-locality: Catacol, Arran (Great Britain).—Distr.: Europe: A, CH, CS, D, F, GB, N, S, SF; USSR: NET (west), CET (west), SET (Carpathians), SMA (Ki), WS (Altai, Tuva), FE (Magadan obl., Kamchatka, Primorskiy kray, Sakhalin); Nearctic Region.

[*gracilis* DOANE, 1900: JI N.Y. ent. Soc., 8: 184 (*Dicranomyia*, at time of replacement by TJEDER, 1958, a junior secondary homonym of *Limnobia gracilis* WIEDEMANN, 1828, an unplaced species of Limoniidae, and *Limnobia gracilis* ZETTERSTEDT, 1838, now in *Gonomyia*). Type-locality: Mt. Moscow, Idaho (USA).]

**intricata** ALEXANDER, 1927: Can. Ent., 59: 221 (*Dicranomyia*). Type-locality: Lesser Slave lake, Alberta (Canada).—Distr.: Europe: S; Nearctic Region.

*suecica* (NIELSEN, 1953): Z. wien. ent. Ges., 38: 34 (*Limonia*). Type-locality: near Abisko (Sweden).

**klefbecki** (TJEDER, 1941): Opusc. ent., 6: 57 (*Limonia*). Type-locality: Dalecarlia, Floda, Syrholn (Sweden).—Distr.: Europe: S; USSR: CET (Est), ES, FE (Magadan obl., Khabarovskiy kray); Asia: Mongolia; Nearctic Region.

- [*michigana* (ALEXANDER, 1950): Ent. News, **61**: 166 (*Limonia*). Type-locality: Edwin S. George reserve, Livingston Co., Michigan (USA).]
- megapygos* LACKSCHEWITZ, 1964: Ent. Obozr., **43**: 712 (*Dicranomyia*). Type-locality: valley of Ivanovka river, Nizhnyi Kar district, Transbaikalia (USSR).
- lackschewitzi* EDWARDS, 1928: Encycl. ent. (B II) Dipt., **4**: 182 (*Dicranomyia*). Type-locality: 2 mi above Corte, Restonica valley, Corsica (France).—Distr.: Europe: CS, F (Corsica).
- lulensis* (TJEDER, 1969): Opusc. ent., **34**: 250 (*Limonia*). Type-locality: Änonjalma, Kvikkjokk delta, Lapland (Sweden).—Distr.: Europe: S.
- magnicauda* LUNDSTRÖM, 1912: Acta Soc. Fauna Flora fenn., **36**(1): 54 (*Dicranomyia*). Type-locality: Karislojo, Regio Aboënsis (Finland).—Distr.: Europe: DK, GB, S, SF; USSR: NET, CET (northwest), FE (Magadan obl.); ?Nearctic Region.
- [*broweriana* (ALEXANDER, 1941): Ent. News, **52**: 193 (*Limonia*). Type-locality: Richardson lake, near Oquassoc, Oxford Co., Maine (USA).] [Synonymy not certain.]
- megacauda* ALEXANDER, 1924: Philipp. J. Sci., **24**: 546 (*Dicranomyia*). Type-locality: Toyohara [= Yuzhno-Sakhalinsk], Sakhalin (USSR).—Distr.: Europe: CH; USSR: FE (Primorskiy kray, Sakhalin, Kuril Is).
- melleicauda* ALEXANDER, 1917: Can. Ent., **49**: 22 (*Dicranomyia*). Type-locality: Bear Creek, Morrison Co., Colorado (USA).—Distr.: USSR: CET (Saratov), WS (south), ES (south), FE (Magadan obl., Kamchatka); Asia: Mongolia; Nearctic Region.
- trispinosa* LACKSCHEWITZ in LACKSCHEWITZ and PAGAST, 1941: 16. Limoniidae, Fliegen pal. Reg., **3**(5)2: 20 (*Dicranomyia*). Type-locality: not given (Zagan lake, 100 km W Ulan-Bator, Mongolia, by holotype [= lectotype] des. of LACKSCHEWITZ, 1964).
- melleicauda complicata* DE MEIJERE, 1918: Tijdschr. Ent., **61**: 129 (*Dicranomyia*, as species). Type-locality: Diemen (The Netherlands).—Distr.: Europe: B, D, DK, F, GB, NL.
- melleicauda stenoptera* SAVCHENKO, 1970: Dopov. Akad. Nauk ukr. RSR (B), **1970**: 468 (*Dicranomyia*, as subsp. of *complicata*). Type-locality: Khibiny, Murmansk obl. (USSR).—Distr.: USSR: NET (north).
- murina* (ZETTERSTEDT, 1851): Dipt. scand., **10**: 3882 (*Limnobia*). Type-localities: Lapponia Lulenis; Ristanfors (Sweden).—Distr.: Europe: ?D, N, S; USSR: NET (southwest), CET (northwest), WS (Tuva), ES (Yakutsk ASSR), FE (Magadan obl., Kamchatka); Nearctic Region.
- nigristigma* NIELSEN, 1919: Ent. Meddr, **13**: 12 (*Dicranomyia*). Type-localities: Tvilum; Sminge; Funder (Denmark).—Distr.: Europe: CH, CS, D, DK, F, GB.
- piscataquis* (ALEXANDER, 1941): Can. Ent., **73**: 86 (*Limonia*). Type-locality: Sourdnahunk lake, Piscataquis Co., Maine (USA).—Distr.: USSR: FE (Magadan obl., Kamchatka, Kuril Is); Nearctic Region.

- kamtshatica* LACKSCHEWITZ, 1964: Ent. Obozr., **43**: 711 (*Dicranomyia*). Type-locality: Kamchatka (USSR).
- ponojensis** LUNDSTRÖM, 1912: Acta Soc. Fauna Flora fenn., **36**(1): 53 (*Dicranomyia*). Type-locality: Ponoy river, Kola peninsula (USSR).—Distr.: Europe: N, S, SF; USSR: NET (west), CET (northwest), FE (Magadan obl., Kamchatka, Sakhalin); ?Nearctic Region.
- [*sphagnicola* ALEXANDER, 1925: Occ. Pap. Boston Soc. nat. Hist., **5**: 173 (*Dicranomyia*). Type-locality: May lake, Berkshire Co., Massachusetts (USA).] [Synonymy not certain.]
- retrograda** (ALEXANDER, 1941): Philipp. J. Sci., **76**: 45 (*Limonia*). Type-locality: Tatsienlu, Sichuan (China).—Distr.: USSR: SMA (Ki, Tj); Asia: China (Sichuan). [See *ctenopyga*.]
- sternolobata** (ALEXANDER, 1936): Philipp. J. Sci., **60**: 339 (*Limonia*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- stigmatica** (MEIGEN, 1830): Syst. Besch., **6**: 278 (*Limnobia*). Type-locality: near Hamburg [D].—Distr.: Europe: A, B, CH, CS, D, DDR, DK, E, F, GB, I, N, NL, PL, R, S, SF; USSR: NET (southwest), CET (northwest), SET (UK), WS (north), FE (Kamchatka).
- tzeni** (ALEXANDER, 1938): Philipp. J. Sci., **66**: 315 (*Limonia*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- violovitshi** SAVCHENKO, 1974: Vestn. zool., **1974**(4): 67 (*Dicranomyia*). Type-locality: near Shurmak, Tuva (USSR).—Distr.: USSR: WS (Tuva).

#### Subgenus MELANOLIMONIA ALEXANDER, 1965

- ALEXANDER, 1965: Philipp. J. Sci., **93**: 468 (as subgenus of *Limonia* MEIGEN, 1803).
- Type-species: *Tipula morio* FABRICIUS, 1787: Mantissa insect., **2**: 324 (orig.des.).
- azorica** (NIELSEN, 1963): Bolm Mus. munic. Funchal, **17**: 80 (*Limonia*). Type-locality: Caldeira, Faial (Azores).—Distr.: Azores.
- caledonica** EDWARDS, 1926: Entomologist's mon. Mag., **62**: 31 (*Dicranomyia*). Type-locality: Nethy Bridge, Inverness (Great Britain).—Distr.: Europe: A, BG, CH, CS, D, DK (incl. Faeroes), F, GB, H, I, IRE, N, PL, R, S, SF; USSR: NET (west), SET, TC, WS (Tuva), ES (Taymyr), FE (Chukotka).
- hamata** BECKER, 1908: Mitt. zool. Mus. Berl., **4**: 83 (*Dicranomyia*). Type-locality: Villa Orotava, Tenerife (Canary Is).—Distr.: Europe: F (Corsica); Azores, Canary Is.
- saxetana* SANTOS ABREU, 1923: Mems R. Acad. Cienc. Artes Barcelona, **18**: 64 (*Dicranomyia*). Type-locality: Barranco del Río, La Palma (Canary Is).
- umbraticola* SANTOS ABREU, 1923: Mems R. Acad. Cienc. Artes Barcelona, **18**: 58 (*Dicranomyia*). Type-locality: Barranco del Río, La Palma (Canary Is).

- tyrrhenica* EDWARDS, 1928: *Encycl. ent. (B II) Dipt.*, **4**: 182 (*Dicranomyia*).  
Type-localities: Restonica valley; river Porto near Evisa (France: Corsica).
- kansuensis** (ALEXANDER, 1930): *Philipp. J. Sci.*, **42**: 510 (*Limonia*). Type-locality: Hwëih sien, Gansu (China).—Distr.: Asia: China (Gansu).
- kongosana** (ALEXANDER, 1934): *Philipp. J. Sci.*, **55**: 43 (*Limonia*). Type-locality: Mt. Kongo (North Korea).—Distr.: USSR: FE (Sakhalin); Asia: North Korea, Japan (Shikoku).
- morio** (FABRICIUS, 1787): *Mantissa insect.*, **2**: 324 (*Tipula*). Type-locality: Kiel [D].—Distr.: Europe: A, B, CH, CS, D, DDR, DK, F (incl. Corsica), GB, GR, H, I, IRE, N, NL, PL, R, S, SF, YU; USSR: NET (west), CET (northwest), SET, TC; Asia: Iran; North Africa: Morocco.
- leucocephala* (MEIGEN, 1818): *Syst. Besch.*, **1**: 136 (*Limnobia*). Type-locality: not given ("von Hrn. Wiedemann").
- reperita* (WALKER, 1848): *List Dipt. Brit. Mus.*, **1**: 45 (*Limnobia*). Type-localities: Alten [= Alta]; Hammerfest (Norway).
- pauliani* (SÉGUY, 1941): *Revue fr. Ent.*, **8**: 26 (*Limonia*). Type-locality: Tachdirt, Toubkal (Morocco).—Distr.: North Africa: Morocco.
- nesomorio** ALEXANDER, 1928: *Philipp. J. Sci.*, **35**: 465 (*Dicranomyia*). Type-locality: Mt. Rantaizan (Taiwan).—Distr.: USSR: FE (Sakhalin, Kuril Is); Asia: Taiwan.
- occidua** EDWARDS, 1926: *Entomologist's mon. Mag.*, **62**: 32 (*Dicranomyia*). Type-locality: Ingleton, Yorks (Great Britain).—Distr.: Europe: A, CH, CS, D, F, GB, I, N, R, S, YU; USSR: NET (southwest), CET (northwest), SET (Carpathians).
- paramorio** ALEXANDER, 1926: *Philipp. J. Sci.*, **31**: 363 (*Dicranomyia*). Type-locality: hills S of Ning-po, Zhejiang (China).—Distr.: USSR: FE (Kamchatka, Primorskiy kray); Asia: China (Zhejiang).
- paramorio platysoma** (ALEXANDER, 1933): *Philipp. J. Sci.*, **51**: 530 (*Limonia*). Type-locality: Mt. Wakasugi, Chikuzen, Kyushu (Japan).—Distr.: Asia: Japan (Kyushu).
- parviloba** (ALEXANDER, 1940): *Philipp. J. Sci.*, **71**: 41 (*Limonia*). Type-locality: Seren Mts (North Korea).—Distr.: Asia: North Korea.
- parvincisa** (ALEXANDER, 1940): *Philipp. J. Sci.*, **71**: 42 (*Limonia*, as subsp. of *parviloba* ALEXANDER). Type-locality: Ompo (North Korea).—Distr.: USSR: FE (Primorskiy kray, Sakhalin, Kuril Is); Asia: North Korea, Japan (Shikoku).
- nankaidoensis* (ALEXANDER, 1953): *Philipp. J. Sci.*, **82**: 160 (*Limonia*). Type-locality: Mt. Tsurugi, Awa, Shikoku (Japan).
- penita** (ALEXANDER, 1936): *Philipp. J. Sci.*, **59**: 234 (*Limonia*). Type-locality: Wen Chuan, Sichuan (China).—Distr.: Asia: China (Sichuan).
- pseudomorio** ALEXANDER, 1920: *Trans. Am. ent. Soc.*, **46**: 3 (*Dicranomyia*). Type-locality: Saitama pref., Honshu (Japan).—Distr.: Asia: Japan (Honshu, Shikoku, Kyushu).

- rufiventris** (STROBL, 1901): Jber. naturh. Landesmus. Kärnten, **26**: 191 (*Limnobia*, as var. of *morio* FABRICIUS). Type-locality: Silesia (Poland).—Distr.: Europe: A, CH, CS, D, F, GB, N, PL, R, S, SF; USSR: NET (west), CET (northwest), SET (Carpathians), ES (Taymyr, Irkutsk obl.), FE (Magadan obl., Kamchatka, Sakhalin); Asia: Mongolia; Nearctic Region.
- argentea** (MACQUART, 1826): Mém. Soc. Sci. Agric. Lille, **1823-1824**: 153 (*Limnobia*). Type-locality: not given (northern France). [A questionable senior synonym.]
- stylifera** LACKSCHEWITZ, 1928: Annln naturh. Mus. Wien, **42**: 220 (*Dicranomyia*). Type-localities: several localities in Austria (Austria, by lectotype des. of SAVCHENKO and KANDYBINA, 1987).—Distr.: Europe: A, CH, CS, D, F, GB, I, IRE, N, S, SF, YU; USSR: SET (Carpathians).
- angustipennis** (ZETTERSTEDT, [1838]): Insecta Lapp., 838 (*Limnobia*). Type-localities: several localities in Lapland (Umenäs, Lappmark, by [lecto]-type des. of TJEDEK, 1958). [A junior primary homonym of *Limnobia angustipennis* MEIGEN, 1818.]
- subaurita** (ALEXANDER, 1938): Philipp. J. Sci., **67**: 137 (*Limonia*). Type-locality: Ompo (North Korea).—Distr.: USSR: FE (Primorskiy kray, Sakhalin, Kuril Is); Asia: North Korea, China (east).
- submorio** ALEXANDER, 1920: Trans. Am. ent. Soc., **46**: 2 (*Dicranomyia*). Type-locality: Saitama pref., Honshu (Japan).—Distr.: USSR: FE (Sakhalin, Kuril Is); Asia: Japan (Honshu).

#### Subgenus NUMANTIA BIGOT, 1854

BIGOT, 1854: Anns Soc. ent. Fr., (3) **2**: 457 and 470 (as genus).

Type-species: *Limonia fusca* MEIGEN, 1804: Klass. Beschr., **1**: 54 (des. COQUILLET, 1910: Proc. U.S. natn. Mus., **37**: 576).

- fusca** (MEIGEN, 1804): Klass. Beschr., **1**: 54. (*Limonia*). Type-locality: not given (?near Stolberg [D]).—Distr.: Europe: A, B, BG, CH, CS, D, DDR, DK, F (incl. Corsica), GB, H, I, IRE, NL, PL, R, S, SF, YU; USSR: NET (southwest), CET (west), SET, TC, FE (Primorskiy kray, Sakhalin, Kuril Is); Asia: Iran, Japan (Hokkaido, Honshu, Shikoku); Nearctic Region.
- atra** (MACQUART, 1826): Mém. Soc. Sci. Agric. Lille, **1823-1824**: 151 (*Limnobia*). Type-locality: not given (northern France).
- laevigata** (MACQUART, 1826): Mém. Soc. Sci. Agric. Lille, **1823-1824**: 157 (*Limnobia*). Type-locality: not given (northern France).
- turpis** (WALKER, 1856): Ins. Brit., Dipt., **3**: 300 (*Limnobia*). Type-locality: not given (Great Britain).
- pilipennis** (EGGER, 1863): Verh. zool.-bot. Ges. Wien, **13**: 1108 (*Limnobia*). Type-locality: Austria.

## Subgenus PSEUDOGLOCHINA ALEXANDER, 1921

ALEXANDER, 1921: Can. Ent., **53**: 208 (as subgenus of *Libnotes* WESTWOOD, 1876).

Type-species: *Libnotes pulchripes* ALEXANDER, 1920: Proc. R. Soc. Qd, **32**: 95 (orig. des.); not Palaeartic.

**bryophila** (ALEXANDER, 1934): Philipp. J. Sci., **53**: 275 (*Limonia*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).

## Subgenus SIVALIMNOBIA ALEXANDER, 1963

ALEXANDER, 1963: Philipp. J. Sci., **92**: 220 (as subgenus of *Limonia* MEIGEN, 1803).

Type-species: *Dicranomyia fortis* BRUNETTI, 1912: Fauna Brit. India, Dipt., **1**: 385 (orig. des.); not Palaeartic.

**aquosa** VERRALL, 1886: Entomologist's mon. Mag., **23**: 156 (*Dicranomyia*). Type-localities: falls of the Shin river; Oykel (Great Britain).—Distr.: Europe: A, AL, B, BG, CH, CS, F (incl. Corsica), GB, I, IRE, YU.

*pedicellata* EDWARDS, 1928: Encycl. ent. (B II) Dipt., **4**: 181 (*Dicranomyia*). Type-locality: Restonica valley, Corsica (France).

**euphileta** (ALEXANDER, 1924): Insecutor Inscit. menstr., **12**: 154 (*Limonia*). Type-locality: Ozenuma on boundary between Iwashiro-no-kuni and Kotsuke-no-kuni, Honshu (Japan).—Distr.: USSR: FE (Sakhalin, Kuril Is); Asia: Japan (Honshu, Shikoku, Kyushu); Borneo.

*biceps* (ALEXANDER, 1925): Ann. Mag. nat. Hist., (9) **15**: 386 (*Limonia*). Type-locality: Gokanosho, Higo-no-kuni, Kyushu (Japan).

Doubtful species of *Dicranomyia*

*majuscula* PIERRE, 1924: Bull. Soc. Sci. nat. Maroc, **4**: 200 (*Dicranomyia*). Type-locality: Haut Imminen, High Atlas (Morocco).

**Discobola** OSTEN SACKEN, 1865

OSTEN SACKEN, 1865: Proc. ent. Soc. Philad., 4: 226.

Type-species: *Limnobia argus* SAY in KEATING, 1824: Major Long's second expedition, 2: 358 (des. COQUILLET, 1910: Proc. U.S. natn. Mus., 37: 534) [= *annulata* (LINNAEUS, 1758)].

*Trochobola* OSTEN SACKEN, 1869: Smithson. misc. Collns, 8(219): 97 (as [unnecessary] new name for *Discobola* OSTEN SACKEN, 1865). Type-species: *Limnobia argus* SAY in KEATING, 1824: Major Long's second expedition, 2: 358 (des. COQUILLET, 1910: Proc. U.S. natn. Mus., 37: 617) [= *annulata* (LINNAEUS, 1758)].

**acurostris** (ALEXANDER, 1943): Proc. R. ent. Soc. Lond. (B), 12: 177 (*Limonia*).

Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).

**annulata** (LINNAEUS, 1758): Syst. Nat., Ed. 10, 1: 586 (*Tipula*). Type-locality: Europe.—Distr.: Europe: A, BG, CH, CS, D, DDR, F, GB, N, PL, R, S, SF, YU; USSR: NET (southwest), CET (west), SET (west), WS (Altai), ES, FE (Kamchatka, Khabarovskiy kray, Primorskiy kray, Sakhalin, Kuril Is); Asia: from Japan (Hokkaido) to Nepal; India, Taiwan, Philippines, Borneo, New Guinea; Nearctic Region.

*imperialis* (LOEW, 1851): Linn. ent., 5: 403 (*Limnobia*). Type-locality: Leningrad region (USSR).

**armorica** (ALEXANDER, 1942): Rec. Indian Mus., 44: 54 (*Limonia*). Type-locality: Adung valley (Burma).—Distr.: Asia: China (Tibet); Burma.

**caesarea** (OSTEN SACKEN, 1854): Stettin. ent. Ztg, 15: 212 (*Limnobia*). Type-locality: near Leningrad (USSR).—Distr.: Europe: A, CH, CS, D, F, H, I, PL, S, SF; USSR: NET (south), CET, SET (west), WS (Tuva), FE (Khabarovskiy kray, Primorskiy kray).

**freyana** (NIELSEN, 1961): Commentat. biol., 24(2): 5 (*Limonia*). Type-locality: Furnas, São Miguel (Azores).—Distr.: Azores.

**fumihalterata** (ALEXANDER, 1955): Philipp. J. Sci., 83: 281 (*Limonia*). Type-locality: Mt. Takanawa, Shikoku (Japan).—Distr.: USSR: FE (Primorskiy kray, Kuril Is); Asia: Japan (Shikoku, Kyushu).

**margarita** ALEXANDER, 1924: Philipp. J. Sci., 24: 539 (*Discobola*). Type-locality: Kamiotoineppu, Hokkaido (Japan).—Distr.: USSR: FE (Primorskiy kray, Sakhalin, Kuril Is); Asia: Japan (Hokkaido, Honshu, Shikoku, Kyushu), North Korea; Taiwan, Thailand, India.

**moiwana** ALEXANDER, 1924: Philipp. J. Sci., 24: 540 (*Discobola*). Type-locality: Mt. Moiwa, Hokkaido (Japan).—Distr.: Asia: Japan (Hokkaido).

**parvispinula** (ALEXANDER, 1947): Ann. ent. Soc. Am., 40: 350 (*Limonia*). Type-locality: Kamikochi, Shinano, Honshu (Japan).—Distr.: Europe: CS; USSR: NET (Komi ASSR), SET (Carpathians), WS (Altai), ES (Krasnoyarskiy kray), FE (Amur obl., Primorskiy kray, Sakhalin); Asia: Japan (Honshu).



**taivanella** (ALEXANDER, 1930): Philipp. J. Sci., **43**: 511 (*Limonia*). Type-locality: Hassensan (Taiwan).—Distr.: Asia: China (Sichuan); Taiwan.

### **Geranomyia** HALIDAY, 1833

HALIDAY, 1833: Ent. Mag., **1**: 154.

Type-species: *Geranomyia unicolor* HALIDAY, 1833: l.c.: 155 (mon.).

*Aporosa* MACQUART in WEBB and BERTHELOT, 1839: Hist. nat. Iles Canaries, **2**(2): 100. Type-species: *Aporosa maculipennis* MACQUART, 1839: l.c.: 100 (des. COQUILLET, 1910: Proc. U.S. natn. Mus., **37**: 509) [= *canariensis* BERGROTH, 1889].

*Parageranomyia* SANTOS ABREU, 1923: Mems R. Acad. Cienc. Artes Barcelona, **18**: 100. Type-species: *Parageranomyia palmensis* SANTOS ABREU, 1923: l.c.: 101 (mon.) [= *canariensis* BERGROTH, 1889].

**annandalei** EDWARDS, 1913: J. Proc. asiat. Soc. Beng. (N.S.), **9**: 47 (*Geranomyia*). Type-locality: Plain of Gennesaret (Israel).—Distr.: Asia: Israel.

**atlantica** (WOLLASTON, 1858): Ann. Mag. nat. Hist., (3) **1**: 115 (*Limnobia*). Type-locality: Porto Santo (Madeira).—Distr.: Azores, Madeira.

**atlantica annulirostris** PIERRE, 1921: Bull. Mus. natn. Hist. nat. Paris, **27**: 298 (*Geranomyia*, as species). Type-locality: near Las Palmas, Gran Canaria (Canary Is).—Distr.: Canary Is, Selvagens Is.

*cabrerae* SANTOS ABREU, 1923: Mems R. Acad. Cienc. Artes Barcelona, **18**: 81 (*Geranomyia*). Type-locality: Tenerife (Canary Is).

*dimidiata* SANTOS ABREU, 1923: Mems R. Acad. Cienc. Artes Barcelona, **18**: 91 (*Geranomyia*). Type-locality: Barranco de Morera, La Palma (Canary Is).

*teneriffae* SANTOS ABREU, 1923: Mems R. Acad. Cienc. Artes Barcelona, **18**: 97 (*Geranomyia*). Type-locality: Tenerife (Canary Is).

**avocetta** ALEXANDER, 1913: Can. Ent., **45**: 205 (*Geranomyia*). Type-locality: Tokyo, Honshu (Japan).—Distr.: USSR: FE (Sakhalin, Kuril Is); Asia: Japan (Honshu, Shikoku).

**bezzii** ALEXANDER et LEONARD, 1912: Can. Ent., **44**: 205 (*Geranomyia*). Type-locality: Djerba Is (Tunisia).—Distr.: Europe: AL, GB, I; North Africa: Algeria, Tunisia, Libya; Canary Is.

*fusconitens* SANTOS ABREU, 1923: Mems R. Acad. Cienc. Artes Barcelona, **18**: 77 (*Geranomyia*). Type-locality: Barranco de Quintero, La Palma (Canary Is).

*rubida* SANTOS ABREU, 1923: Mems R. Acad. Cienc. Artes Barcelona, **18**: 84 (*Geranomyia*). Type-locality: Dehesa de la Encarnación, La Palma (Canary Is).

**bifurcula** (ALEXANDER, 1933): Philipp. J. Sci., **50**: 141 (*Limonia*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).

**bivittata** BECKER, 1908: Mitt. zool. Mus. Berl., **4**: 187 (*Geranomyia*). Type-locality: north Madeira. —Distr.: Madeira.

- caloptera** MIK, 1867: Verh. zool.-bot. Ges. Wien, **17**: 423 (*Geranomyia*, as new name for *Geranomyia maculipennis* MIK, 1864, a junior primary homonym of *Geranomyia maculipennis* CURTIS, 1835).—Distr.: Europe: A, BG, CH, D, F (incl. Corsica), I, YU.
- maculipennis* MIK, 1864: Verh. zool.-bot. Ges. Wien, **14**: 791 (*Geranomyia*). Type-locality: Gorizia (Italy).
- canariensis** BERGROTH, 1889: Wien. ent. Ztg, **8**: 118 (*Geranomyia*, as new name for *Aporosa maculipennis* MACQUART, 1839, a junior secondary homonym of *Geranomyia maculipennis* CURTIS, 1835).—Distr.: Madeira, Canary Is.
- maculipennis* (MACQUART in WEBB and BERTHELOT, 1839): Hist. nat. Iles Canaries: **2**(2): 100 (*Aporosa*). Type-locality: not given (Canary Is).
- quadrimaculata* SANTOS ABREU, 1923: Mems R. Acad. Cienc. Artes Barcelona, **18**: 76 (*Geranomyia*, as var. of *canariensis*). Type-localities: La Palma; Gomeira (Canary Is).
- terminalis* SANTOS ABREU, 1923: Mems R. Acad. Cienc. Artes Barcelona, **18**: 77 (*Geranomyia*, as var. of *canariensis*). Type-locality: La Palma (Canary Is).
- palmensis* (SANTOS ABREU, 1923): Mems R. Acad. Cienc. Artes Barcelona, **18**: 101 (*Parageranomyia*). Type-locality: Barranco del Río, La Palma (Canary Is).
- gifuensis** ALEXANDER, 1921: Ann. ent. Soc. Am., **14**: 114 (*Geranomyia*). Type-locality: Gifu, Honshu (Japan).—Distr.: USSR: FE (Khabarovskiy kray, Primorskiy kray, Sakhalin, Kuril Is); Asia: Japan (Honshu, Shikoku), North Korea.
- hakoneana** (ALEXANDER, 1955): Ann. ent. Soc. Am., **48**: 371 (*Limonia*). Type-locality: Miyanoshta, Hakone, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- inornata** LACKSCHEWITZ, 1928: Annln naturh. Mus. Wien, **42**: 197 (*Geranomyia*). Type-localities: Trieste (Italy); Durrës (Albania).—Distr.: Europe: AL, I, YU.
- multipuncta** ALEXANDER, 1922: Insecutor Inscit. menstr., **10**: 177 (*Geranomyia*). Type-locality: Gifu, Honshu (Japan).—Distr.: Asia: Japan (Honshu, Shikoku).
- neavocetta** (ALEXANDER, 1938): Philipp. J. Sci., **67**: 138 (*Limonia*). Type-locality: Ompo (North Korea).—Distr.: Asia: North Korea.
- obesistyla** (ALEXANDER, 1940): Philipp. J. Sci., **71**: 181 (*Limonia*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- obscura** STROBL, 1900: Wien. ent. Ztg, **19**: 213 (*Geranomyia*, as var. of *caloptera* MIK). Type-locality: Algeciras (Spain).—Distr.: Europe: E; North Africa: Morocco, Algeria.
- radialis** (ALEXANDER, 1930): Philipp. J. Sci., **42**: 62 (*Limonia*). Type-locality: Kosugidani, Yakushima, Kyushu (Japan).—Distr.: Asia: Japan (Kyushu), ?China.
- suensoniana** (ALEXANDER, 1929): Philipp. J. Sci., **40**: 330 (*Limonia*). Type-locality: hills S of Ning-po, Zhejiang (China).—Distr.: Asia: China (Zhejiang).

- tenuispinosa** (ALEXANDER, 1929): Philipp. J. Sci., **40**: 329 (*Limonia*). Type-locality: hills S of Ning-po, Zhejiang (China).—Distr.: Asia: China (Zhejiang); China (Guangdong).
- unicolor** HALIDAY, 1833: Ent. Mag., **1**: 155 (*Geranomyia*). Type-locality: near harbour of Donaghadee (Ireland).—Distr.: Europe: F, GB, IRE; Azores, Madeira, Canary Is.
- maculipennis* CURTIS, 1835: Brit. Ent., **12**: 573 (*Geranomyia*). Type-locality: Isle of Wight (Great Britain). [Synonymy not certain.]
- inmaculata* SANTOS ABREU, 1923: Mem. R. Acad. Cienc. Artes Barcelona, **18**: 95 (*Geranomyia*). Type-locality: Barranco del Río, La Palma (Canary Is).
- umbratica* SANTOS ABREU, 1923: Mem. R. Acad. Cienc. Artes Barcelona, **18**: 88 (*Geranomyia*). Type-locality: Barranco del Río, La Palma (Canary Is).

### Libnotes WESTWOOD, 1876

WESTWOOD, 1876: Trans. R. ent. Soc. Lond., **1876**: 505.

Type-species: *Libnotes thwaitesiana* WESTWOOD, 1876: l.c.: 505 (mon.); not Palaearctic.

*Laosa* EDWARDS, 1926: see below as subgenus.

*Afrolimonia* ALEXANDER, 1965: see below as subgenus.

### Subgenus AFROLIMONIA ALEXANDER, 1965

ALEXANDER, 1965: Trans. Am. ent. Soc., **91**: 48 (as subgenus of *Limonia* MEIGEN, 1803).

Type-species: *Limonia rhizosema* SPEISER, 1909: Wiss. Ergebn. schwed. zool. Exped. Kilimandjaro, Meru, **10** (Diptera): 48 (orig. des.); not Palaearctic.

**ladogensis** (LACKSCHEWITZ *in* LACKSCHEWITZ and PAGAST, 1940): 16. Limoniidae, Fliegen pal. Reg., **3(5)2**: 6 (*Limonia*). Type-locality: not given (Petrokrepost [= ?Mednaya], Leningrad obl., USSR, by holotype [= lectotype] des. of LACKSCHEWITZ, 1964; invalid lectotype des. by SAVCHENKO and KANDYBINA, 1987).—Distr.: Europe: CS, R, YU; USSR: NET (southwest), CET, SET (Carpathians), WS (Altai, Tuva), FE (Amur obl., Khabarovskiy kray, Primorskiy kray).

*jugoslavica* (NIELSEN, 1959): Glasn. prirod. Mus. Beograd (B), **12**: 211 (*Limonia*). Type-locality: Plitvice, Croatia (Yugoslavia).

**plutonis** (ALEXANDER, 1924): Philipp. J. Sci., **24**: 552 (*Limonia*). Type-locality: Toyohara [= Yuzhno-Sakhalinsk], Sakhalin (USSR).—Distr.: USSR: FE (Sakhalin, Kuril Is); Asia: Japan (Honshu, Shikoku, Kyushu).

## Subgenus LAOSA EDWARDS, 1926

EDWARDS, 1926: *Encycl. ent. (B II) Dipt.*, **3**: 48 (as genus).

Type-species: *Laosa gloriosa* EDWARDS, 1926: l.c.: 49 (orig. des.) [= *iris* (ALEXANDER, 1950)]; not Palaearctic.

**charmosyne** (ALEXANDER, 1958): *Trans. Shikoku ent. Soc.*, **6**: 3 (*Limonia*). Type-locality: Mt. Ishizuchi, Iyo, Shikoku (Japan).—Distr.: Asia: Japan (Shikoku).

**diphragma** (ALEXANDER, 1934): *Philipp. J. Sci.*, **54**: 317 (*Limonia*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).

**kariyana** (ALEXANDER, 1947): *Ann. ent. Soc. Am.*, **40**: 351 (*Limonia*). Type-locality: Mt. Ontake, Hida, Japanese Alps, Honshu (Japan).—Distr.: USSR: FE (Amur obl., Primorskiy kray, Kuril Is); Asia: Japan (Honshu).

## Subgenus LIBNOTES WESTWOOD, 1876

**amatrix** (ALEXANDER, 1922): *Insecutor Inscit. menstr.*, **10**: 181 (*Limnobia*). Type-locality: Mt. Ibuki, Honshu (Japan).—Distr.: USSR: FE (Primorskiy kray, Sakhalin, Kuril Is); Asia: Japan (Honshu, Shikoku, Kyushu).

**basistrigata** (ALEXANDER, 1934): *Philipp. J. Sci.*, **55**: 40 (*Limonia*). Type-locality: Mt. Kongo, Diamond Mts (North Korea).—Distr.: Asia: North Korea; China (Fujian).

**divaricata** (ALEXANDER, 1924): *Ann. ent. Soc. Am.*, **17**: 61 (*Limonia*). Type-locality: Tokyo, Honshu (Japan).—Distr.: Asia: Japan (Honshu, Shikoku).

**infumosa** SAVCHENKO, 1983: *Limoniidae of south Primorye*: 112 (*Libnotes*). Type-locality: Kedrovaya Pad, Khasan district, Primorskiy kray (USSR).—Distr.: USSR: FE (Primorskiy kray).

**longistigma** ALEXANDER, 1921: *Insecutor Inscit. menstr.*, **9**: 180 (*Libnotes*). Type-locality: Kotosho Is (Taiwan).—Distr.: USSR: FE (Khabarovskiy kray, Primorskiy kray, Kuril Is); Asia: Japan (Hokkaido); Taiwan (Kotosho Is).

**nohirai** ALEXANDER, 1918: *Ann. ent. Soc. Am.*, **11**: 445 (*Libnotes*). Type-locality: Iwate, Honshu (Japan).—Distr.: USSR: FE (Primorskiy kray, Sakhalin, Kuril Is); Asia: Japan (Hokkaido, Honshu, Shikoku, Kyushu), North Korea.

*ingentissima* (ALEXANDER, 1947): *Ann. ent. Soc. Am.*, **40**: 352 (*Limonia*). Type-locality: Kamikochi, Shinano, Honshu (Japan).

[**poeciloptera** OSTEN SACKEN, 1881: *Annali Mus. civ. Stor. nat. Genova*, **16**: 403 (*Libnotes*). Type-localities: Mt. Singalang (Sumatra); Java (Indonesia).—Distr.: Asia: ?Japan; Indonesia (Sumatra, Java).]

**puella** ALEXANDER, 1925: *Ann. ent. Soc. Am.*, **17**: 434 (*Libnotes*). Type-locality: Mt. Kirishima, on boundary between Osumi and Hiuga, Kyushu (Japan).—Distr.: Asia: Japan (Kyushu); Japan (Ryukyu Is).

- recurvinervis** (ALEXANDER, 1930): Philipp. J. Sci., **42**: 61 (*Limonia*). Type-locality: Kwanhsien, Sichuan (China).—Distr.: Asia: China (Sichuan).
- regina** ALEXANDER, 1920: Trans. Am. ent. Soc., **46**: 6 (*Libnotes*). Type-locality: Tokyo, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- undulata** MATSUMURA, 1916: Thousand Ins. Japan, Add. **2**: 467 (*Libnotes*). Type-locality: Kyoto, Honshu (Japan).—Distr.: USSR: FE (Amur obl., Khabarovskiy kray, Primorskiy kray); Asia: Japan (Honshu, Shikoku).

### Limonia MEIGEN, 1803

MEIGEN, 1803: Mag. Insektenk., **2**: 262.

Type-species: *Tipula tripunctata* FABRICIUS, 1782: Species insect., **2**: 405 (des. WESTWOOD, 1840: Synopsis: 129) [= *phragmitidis* (SCHRANK, 1781)].

*Amphinome* MEIGEN, 1800: Nouve. class.: 15. Type-species: *Tipula tripunctata* FABRICIUS, 1782: Species insect., **2**: 405 (des. COQUILLET, 1910: Proc. U.S. natn. Mus., **37**: 505) [= *phragmitidis* (SCHRANK, 1781)]. [Suppressed by I.C.Z.N., Bull. zool. Nom., **20**: Opinion 678.]

*Limnobia* MEIGEN, 1818: Syst. Besch., **1**: 116 (as [unnecessary] new name for *Limonia* MEIGEN, 1803). Type-species: *Tipula tripunctata* FABRICIUS, 1782: Species insect., **2**: 405 (aut.) [= *phragmitidis* (SCHRANK, 1781)].

*Unomyia* MEIGEN, 1818: Syst. Besch., **1**: 135. Type-species: *Tipula tripunctata* FABRICIUS, 1782: Species insect., **2**: 405 (des. COQUILLET, 1910: Proc. U.S. natn. Mus., **37**: 618) [= *phragmitidis* (SCHRANK, 1781)].

*Limnomyza* RONDANI, 1856: Dipt. Ital. Prodromus, **1**: 185. Type-species: *Tipula tripunctata* FABRICIUS, 1782: Species insect., **2**: 405 (orig. des.) [= *phragmitidis* (SCHRANK, 1781)].

**albifrons** (MEIGEN, 1818): Syst. Besch., **1**: 137 (*Limnobia*). Type-locality: Austria.—Distr.: Europe: A, CH, CS, D, DDR, F, H, I, PL, R, YU; USSR: CET (Li), SET (west).

**alpicola** (LACKSCHEWITZ, 1928): Annln naturh. Mus. Wien, **42**: 231 (*Limnobia*). Type-locality: Watzmann, Berchtesgadener Alps [D].—Distr.: Europe: A, CH, CS, D, F, R; USSR: SET (Carpathians), ?SMA (?Tj).

**amabilis** ALEXANDER, 1924: Philipp. J. Sci., **24**: 557 (*Limonia*). Type-locality: Kamiotoineppu, Hokkaido (Japan).—Distr.: USSR: ?FE (?Kuril Is); Asia: Japan (Hokkaido, Honshu).

**amabilis antistes** ALEXANDER, 1938: Philipp. J. Sci., **66**: 467 (*Limonia*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).

**annulata** LACKSCHEWITZ in LACKSCHEWITZ and PAGAST, 1940: 16. Limoniidae, Fliegen pal. Reg., **3(5)2**: 6 (*Limonia*). Type-locality: not given (LACKSCHEWITZ, 1964: Kadilniy, west Baikal, USSR; invalid lectotype

- des. by SAVCHENKO and KANDYBINA, 1987).—Distr.: USSR: southern Siberia from Altai in the west to Amur obl. in the east; Asia: Mongolia.
- anthracina** (ALEXANDER, 1922): *Insecutor Inscit. menstr.*, **10**: 180 (*Limnobia*). Type-locality: Mt. Minomo, Honshu (Japan).—Distr.: Asia: Japan (Honshu, Shikoku, Kyushu).
- aquilina** STARÝ, 1984: *Acta ent. bohemoslov.*, **81**: 236 (*Limonia*). Type-locality: Hrubá Voda near Olomouc, Moravia (Czechoslovakia).—Distr.: Europe: CS.
- atrisoma** ALEXANDER, 1940: *Notes Ent. chin.*, **8**: 17 (*Limonia*). Type-locality: Mt. Tien-mu, Zhejiang (China).—Distr.: Asia: China (Zhejiang).
- bidens** SAVCHENKO, 1979: *Ent. Obozr.*, **58**: 153 (*Limonia*). Type-locality: Shirokiy, Selendzhinskiy district, Amur obl. (USSR).—Distr.: USSR: WS (Yamal), ES (Buryat ASSR), FE (Amur obl.).
- caucasica** LACKSCHEWITZ in LACKSCHEWITZ and PAGAST, 1940: 16. *Limoniidae*, *Fliegen pal. Reg.*, **3(5)2**: 13 (*Limonia*). Type-localities: Murov-Dagh, Caucasus (USSR); Iran.—Distr.: USSR: SET (Dagestan), TC (Ge, Arm, Az), SMA (Tu); Asia: Iran.
- dilutor** (EDWARDS, 1921): *Trans. R. ent. Soc. Lond.*, **1921**: 203 (*Limnobia*). Type-localities: Sandy; Woodborough; Victoria Park; Aberlady (Great Britain).—Distr.: Europe: A, D, DDR, DK, F, GB, NL, R, YU.
- dilutissima** ALEXANDER, 1933: *Philipp. J. Sci.*, **51**: 532 (*Limonia*). Type-locality: Yin-Kuan-Tsai (China).—Distr.: Asia: China (Sichuan-Tibet border).
- edura** ALEXANDER, 1935: *Philipp. J. Sci.*, **58**: 242 (*Limonia*). Type-locality: Yumoto, Shimotsuke, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- eos** STARÝ et SAVCHENKO, 1976: *Acta ent. bohemoslov.*, **73**: 183 (*Limonia*). Type-locality: Kacha river, near Shelkovichnoye, Bakhchisaray district, Crimea (USSR).—Distr.: USSR: SET (Crimea, southeast), TC (Ge, Arm).
- episema** ALEXANDER, 1924: *Philipp. J. Sci.*, **24**: 551 (*Limonia*). Type-locality: Toyohara [= Yuzhno-Sakhalinsk], Sakhalin (USSR).—Distr.: USSR: FE (from Kamchatka to Primorskiy kray, Sakhalin and Kuril Is); Asia: Japan (Hokkaido, Honshu).
- esakii** (ALEXANDER, 1922): *Insecutor Inscit. menstr.*, **10**: 78 (*Limnobia*). Type-locality: Tattaka (Taiwan).—Distr.: USSR: FE (Kuril Is); Asia: Japan (Honshu, Shikoku); Taiwan.
- flavipes** (FABRICIUS, 1787): *Mantissa insect.*, **2**: 323 (*Tipula*). Type-locality: Kiel [D].—Distr.: Europe: A, AL, B, BG, CH, CS, D, DDR, DK, F (incl. Corsica), GB, H, I (incl. Sicily), IRE, L, N, NL, PL, R, S, SF, YU; USSR: NET, CET, SET, TC; North Africa: Morocco, ?Algeria.
- nebulosa* (ZETTERSTEDT, [1838]): *Insecta Lapp.*: 836 (*Limnobia*). Type-locality: Bjoerkvik (Norway).
- vallanti* THOMAS, 1968: *Ann. Limnol.*, **4**: 226 (*Limonia*). Type-locality: Lastie river, Pyrenees (France).

- fusciceps** ALEXANDER, 1924: *Insecutor Inscit. menstr.*, **12**: 155 (*Limonia*). Type-locality: Shimokebo, Hitaka-no-kuni, Hokkaido (Japan).—Distr.: USSR: FE (Primorskiy kray, Sakhalin, Kuril Is); Asia: Japan (Hokkaido, Honshu, Shikoku, Kyushu).
- fusciceps nigricuspis** ALEXANDER, 1938: *Philipp. J. Sci.*, **66**: 112 (*Limonia*). Type-locality: Matsuo, Iwate pref., Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- gissarica** SAVCHENKO, 1979: *Ent. Obozr.*, **58**: 155 (*Limonia*). Type-locality: bank of Lajrun river, Gissar Mts (USSR: Tj).—Distr.: USSR: SMA (Tj).
- hercegovinae** (STROBL, 1898): *Glasn. zemalj. Mus. Bosni Herceg.*, **10**: 610 (*Limnobia*). Type-locality: Jablanica (Yugoslavia).—Distr.: Europe: A, AL, B, BG, CH, CS, D, DDR, E, F, GR, H, I, ?IS, NL, R, YU; USSR: SET (Carpathians, southeast), TC; Asia: Iran.
- hostilis** ALEXANDER, 1933: *Philipp. J. Sci.*, **51**: 533 (*Limonia*). Type-locality: near Yien-Long-Shien, Tibet border (China).—Distr.: Asia: China (Tibet border, Sichuan); Pakistan, India, Burma.
- interjecta** STARÝ, 1974: *Annotnes zool.-bot. Bratisl.*, **99**: 1 (*Limonia*). Type-locality: Malá Studená valley, High Tatra (Czechoslovakia).—Distr.: Europe: A, CH, CS, N, PL.
- japonica** (ALEXANDER, 1913): *Can. Ent.*, **45**: 200 (*Dicranomyia*). Type-locality: Tokyo, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- juvenca** ALEXANDER, 1935: *Philipp. J. Sci.*, **58**: 243 (*Limonia*). Type-locality: Yumoto, Shimotsuke, Honshu (Japan).—Distr.: USSR: FE (Primorskiy kray); Asia: Japan (Honshu).
- karafutonis** ALEXANDER, 1924: *Philipp. J. Sci.*, **24**: 550 (*Limonia*). Type-locality: Toyohara [= Yuzhno-Sakhalinsk], Sakhalin (USSR).—Distr.: USSR: FE (Kamchatka, Primorskiy kray, Sakhalin, Kuril Is); Asia: Japan (Honshu), North Korea.
- kashmirica** (EDWARDS, 1927): *Ann. Mag. nat. Hist.*, (9) **20**: 226 (*Limnobia*). Type-locality: Kashmir (India).—Distr.: Asia: China (Tibet); India.
- lackschewitziana** ALEXANDER, 1933: *Philipp. J. Sci.*, **50**: 134 (*Limonia*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Tibet border, Sichuan).
- lindbergi** NIELSEN, 1962: *Vidensk. Meddr dansk naturh. Foren.*, **124**: 166 (*Limonia*). Type-locality: Tchehel Sotoun, 50 km W Kabul (Afghanistan).—Distr.: Asia: Afghanistan.
- macrostigma** (SCHUMMEL, 1829): *Beitr. Ent.*, Breslau, **1**: 108 (*Limnobia*). Type-locality: near Wrocław (Poland).—Distr.: Europe: A, B, BG, CH, CS, D, DDR, DK, F (incl. Corsica), GB, H, I, IRE, N, NL, PL, R, S, SF, YU; USSR: NET, CET, SET, TC, KZ, SMA, WS (Altai), FE (Primorskiy kray); Asia: Mongolia, ?North Korea; Pakistan.
- venerabilis** ALEXANDER, 1938: *Philipp. J. Sci.*, **67**: 134 (*Limonia*). Type-locality: Ompo (North Korea). [Synonymy not certain.]

- maculicosta** (COQUILLET, 1905): JI N.Y. ent. Soc., **13**: 57 (*Limnobia*). Type-locality: Mt. Kokanee, British Columbia (Canada).—Distr.: Europe: ?B, S, SF; USSR: FE (Kamchatka); Asia: Japan (Honshu); Nearctic Region.
- maculipennis** (MEIGEN, 1818): Syst. Besch., **1**: 136 (*Limnobia*). Type-locality: Portugal.—Distr.: Europe: B, D, E, F, GB, ?I, P.
- analis* (MEIGEN, 1818): Syst. Besch., **1**: 141 (*Limnobia*). Type-locality: near Aachen [D].
- nitida* (VERRALL, 1886): Entomologist's mon. Mag., **23**: 124 (*Limnobia*). Type-localities: Plumstead Marshes; Exning-near Newmarket (Great Britain).
- laufferi* (STROBL, 1906): Mem. R. Soc. esp. Hist. nat., **3**: 410 (*Limnobia*, as var. of "nigra Verr." [= *nitida* VERRALL]). Type-locality: prov. Madrid (Spain).
- proxima* (KUNTZE, 1920): Zool. Jb. Syst., **43**: 416 (*Limnobia*). Type-locality: Digne (France).
- masoni** (EDWARDS, 1921): Trans. R. ent. Soc. Lond., **1921**: 204. (*Limnobia*). Type-locality: King's Lynn (Great Britain).—Distr.: Europe: GB, YU.
- messaura** MENDL, 1971: Ent. scand., **2**: 267 (*Limonia*). Type-locality: Messaure, Lapland (Sweden).—Distr.: Europe: S.
- messaura boreorientalis** SAVCHENKO, 1987: Vestn. zool., **1987**(6): 78 (*Limonia*). Type-locality: Icha river, Kamchatka (USSR).—Distr.: USSR: FE (Kamchatka).
- nemoralis** SAVCHENKO, 1983: Limoniidae of south Primorye: 146 (*Limonia*). Type-locality: Kedrovaya Pad, Khasan district, Primorskiy kray (USSR).—Distr.: USSR: FE (Primorskiy kray).
- neoindigena** ALEXANDER, 1924: Philipp. J. Sci., **24**: 549 (*Limonia*). Type-locality: Panketo, Hokkaido (Japan).—Distr.: USSR: FE (Sakhalin, Kuril Is); Asia: Japan (Hokkaido, Honshu).
- nigrella** ALEXANDER, 1929: Philipp. J. Sci., **40**: 246 (*Limonia*, as new name for *Limonia nigronitida* ALEXANDER, 1923, at time of replacement a junior secondary homonym of *Geranomyia nigronitida* ALEXANDER, 1921).—Distr.: Asia: Japan (Hokkaido).
- nigronitida* ALEXANDER, 1923: Ann. ent. Soc. Am., **16**: 60 (*Limonia*). Type-locality: Teshio, Hokkaido (Japan).
- nigropunctata** (SCHUMMEL, 1829): Beitr. Ent., Breslau, **1**: 112 (*Limnobia*). Type-localities: near Wrocław; near Lissa [= W of Wrocław] (Poland).—Distr.: Europe: A, AL, B, BG, CH, CS, D, DDR, DK, F, GB, H, I, NL, PL, R, S, YU; USSR: NET (southwest), CET (west), SET (Uk).
- sexpunctata* (FABRICIUS, 1782): Species insect., **2**: 405 (*Tipula*). Type-locality: Italy. [A questionable senior synonym.]
- nigrescens* (LACKSCHEWITZ, 1928): Annln naturh. Mus. Wien, **42**: 238 (*Limnobia*, as var. of *nigropunctata*). Type-localities: several localities in Austria, Yugoslavia and north Italy.



- nigropunctata intermixta** SAVCHENKO in SAVCHENKO and KRIVOLUTSKAYA, 1976: Limoniidae of the south Kuril Islands and south Sakhalin: 154 (*Limonia*). Type-locality: Sernovodsk, Kunashir, Kuril Is (USSR).—Distr.: USSR: FE (Kuril Is).
- nominata** ALEXANDER, 1936: Philipp. J. Sci., **59**: 233 (*Limonia*). Type-locality: Wen Chuan, Sichuan (China).—Distr.: Asia: China (Sichuan).
- nubeculosa** MEIGEN, 1804: Klass. Beschr., **1**: 60 (*Limonia*). Type-locality: not given (?near Stolberg [D]).—Distr.: Europe: A, B, BG, CH, CS, D, DDR, DK, E, F (incl. Corsica), GB, GR (incl. Kerkira, Crete, Rodhos), H, I (incl. Sicily), IRE, N, NL, PL, R, S, SF, YU; USSR: CET (Li), SET, TC, WS (Altai), FE (Kamchatka, Sakhalin, Kuril Is); Asia: Turkey, North Korea, Japan (Hokkaido, Honshu, Shikoku); North Africa: Morocco, Algeria; Canary Is; Nearctic Region.
- [*sciophila* (OSTEN SACKEN, 1877): Bull. U.S. geol. geogr. Survey Terr., **3**: 197 (*Limnobia*). Type-locality: Several localities in Marin and Sonoma counties, California (USA).]
- subnubeculosa* (ALEXANDER, 1920): Trans. Am. ent. Soc., **46**: 5 (*Limnobia*). Type-locality: Saitama pref., Honshu (Japan).
- omniflava** ALEXANDER, 1936: Philipp. J. Sci., **60**: 336 (*Limonia*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- pabulina** (MEIGEN, 1818): Syst. Beschr., **1**: 140 (*Limnobia*). Type-locality: not given (?near Stolberg [D]).—Distr.: Europe: ?D, R, YU.
- pallidipleura** ALEXANDER, 1924: Insecutor Inscit. menstr., **12**: 150 (*Limonia*). Type-locality: Hinoemata, Iwashiro-no-kuni, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- pannonica** (KOWARZ, 1868): Verh. zool.-bot. Ges. Wien, **18**: 213 (*Limnobia*). Type-locality: "Losoncz" [= Lucenec] (Czechoslovakia).—Distr.: Europe: A, AL, BG, CS, GR (incl. Rodhos), H, I, R; USSR: SET (Uk, Mo).
- parvipennis** ALEXANDER, 1940: Philipp. J. Sci., **71**: 39 (*Limonia*). Type-locality: Seren Mts (North Korea).—Distr.: USSR: FE (Primorskiy kray); Asia: North Korea, Japan (Honshu).
- perbeata** ALEXANDER, 1938: Philipp. J. Sci., **66**: 314 (*Limonia*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- pernigrina** ALEXANDER, 1938: Philipp. J. Sci., **66**: 466 (*Limonia*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- phragmitidis** (SCHRANK, 1781): Enum. ins. austr. indig.: 426 (*Tipula*). Type-locality: not given (?Austria).—Distr.: Europe: A, AL, B, BG, CH, CS, D, DDR, DK, F (incl. Corsica), GB, H, I (incl. Sicily), IRE, L, N, NL, PL, R, S, SF, YU; USSR: NET, CET, SET, TC, KZ (Zailiyskiy Alatau), SMA (Ki), WS (Altai); Asia: Turkey, Israel.
- tripunctata* (FABRICIUS, 1782): Species insect., **2**: 405 (*Tipula*). Type-locality: Italy. [A junior primary homonym of *Tipula tripunctata* MÜLLER, 1764.]

- propior** ALEXANDER, 1963: Bull. Br. Mus. nat. Hist. (B), **14**: 333 (*Limonia*). Type-locality: Zayul, Di Chu valley, SE Tibet (China).—Distr.: Asia: China (Tibet); Burma.
- prudencia** ALEXANDER, 1935: Philipp. J. Sci., **57**: 207 (*Limonia*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- pullata** ALEXANDER, 1924: Insecutor Inscit. menstr., **12**: 151 (*Limonia*). Type-locality: Hinoemata, Iwashiro-no-kuni, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- pullata aquila** SAVCHENKO, 1983: Limoniidae of south Primorye: 145 (*Limonia*). Type-locality: Kedrovaya Pad, Khasan district, Primorskiy kray (USSR).—Distr.: USSR: FE (Primorskiy kray).
- splendens** (KUNTZE, 1920): Zool. Jb. Syst., **43**: 408 (*Limnobia*). Type-localities: Mostar (Yugoslavia); Millstatt (Austria).—Distr.: Europe: A, BG, CS, GR, H, YU.
- stigma** (MEIGEN, 1818): Syst. Besch., **1**: 138 (*Limnobia*). Type-locality: not given (?near Stolberg [D]).—Distr.: Europe: A, B, BG, CH, CS, D, DDR, DK, F, GB, H, I, NL, PL, R, S, SF, YU; USSR: NET (west), CET (northwest), SET (Uk).
- terrestris* (LINNAEUS, 1758): Syst. Nat., Ed. 10, **1**: 586 (*Tipula*). Type-locality: Europe. [A questionable senior synonym.]
- sexnotata* (SCHUMMEL, 1829): Beitr. Ent., Breslau, **1**: 111 (*Limnobia*). Type-locality: near Wrocław (Poland).
- punctigera* (WALKER, 1856): Ins. Brit., Dipt., **3**: 298 (*Limnobia*). Type-locality: not given (Great Britain).
- subaequalis** SAVCHENKO, 1979: Ent. Obozr., **58**: 158 (*Limonia*). Type-locality: near Bakhmaro, Adzharo-Imeretin Mts (USSR: Ge).—Distr.: USSR: SET (Crimea, southeast), TC.
- sylvicola** (SCHUMMEL, 1829): Beitr. Ent., Breslau, **1**: 116 (*Limnobia*). Type-locality: near Charlottenbrunn [= Jedlina Zdrój, S of Walbrzych] (Poland).—Distr.: Europe: A, B, BG, CH, CS, D, DK, F, H, I, N, NL, PL, R, S, SF, YU; USSR: NET (west), CET (northwest), SET (Carpathians), WS (Altai, Tuva), ?ES (?Irkutsk obl.).
- affinis* (ZETTERSTEDT, [1838]): Insecta Lapp.: 836 (*Limnobia*). Type-locality: Kengis (Sweden).
- tripunctata* (ZETTERSTEDT, [1838]): Insecta Lapp.: 837 (*Limnobia*). Type-locality: Härnösand (Sweden).
- synempora** ALEXANDER, 1933: Philipp. J. Sci., **51**: 534 (*Limonia*). Type-locality: Yu-Long-Si (China).—Distr.: Asia: China (Tibet border).
- tanakai** (ALEXANDER, 1921): Ann. ent. Soc. Am., **14**: 111 (*Limnobia*). Type-locality: Ikaho, Gumma pref., Honshu (Japan).—Distr.: Asia: Japan (Honshu, Shikoku).

- taurica** (STROBL, 1895): Mitt. naturw. Ver. Steierm., **31**: 223 (*Limnobia*). Type-locality: Scheiplsee, Bösenstein (Austria).—Distr.: Europe: A, AL, B, BG, CH, CS, D, E, F, I (incl. Sicily), PL, R, YU; USSR: SET (Carpathians); Asia: Turkey.
- sudetica* CZIŽEK, 1931: Z. mähr. Landesmus., **28**: 48 (*Limonia*, as var. of *taurica*). Type-locality: Altvater [= Praded], Moravia (Czechoslovakia).
- tessellatipennis** ALEXANDER, 1936: Philipp. J. Sci., **60**: 337 (*Limonia*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- trivittata** (SCHUMMEL, 1829): Beitr. Ent., Breslau, **1**: 114 (*Limnobia*). Type-localities: near Wrocław at Pöpelwitz; Grüneiche (Poland).—Distr.: Europe: A, B, BG, CH, CS, D, DDR, DK, F, GB, I, IRE, IS, L, N, NL, PL, R, S, SF, YU; USSR: NET (as far north as Ust-Tsylma on Petchora river), CET, SET, TC (Ge), SMA (Ki, Uz), KZ (southeast), WS (Altai, Tuva), ?FE (?Kamchatka).
- nigrirostris* (GIMMERTHAL, 1847): Bull. Soc. nat. Moscou, **20**(2): 145 (*Limnobia*). Type-locality: Curland (USSR). [Synonymy not certain.]
- yakushimensis** ALEXANDER, 1930: Philipp. J. Sci., **42**: 511 (*Limonia*). Type-locality: Kosugidani, Yakushima, Kyushu (Japan).—Distr.: Asia: Japan (Kyushu).
- zebrina** SAVCHENKO, 1979: Ent. Obozr., **58**: 156 (*Limonia*). Type-locality: east of Goderdzi pass, Arsian Mts, Adzhar ASSR (USSR: Ge).—Distr.: USSR: TC (southwest).

#### Doubtful species of *Limonia*

- bibula* (WIEDEMANN, 1828): Aussereurop. zweifl. Insekt., **1**: 552 (*Limnobia*). Type-locality: China.
- flavescens* (MACQUART, 1834): Hist. nat. Ins., Dipt., **1**: 103 (*Limnobia*). Type-locality: Paris (France).
- marginata* (MACQUART, 1826): Mém. Soc. Sci. Agric. Lille, **1823-1824**: 151 (*Limnobia*). Type-locality: not given (northern France).
- sachalinensis* (MATSUMURA, 1911): J. Coll. Agric. Tohoku Imp. Univ., **4**: 63 (*Limnobia*). Type-locality: Tonnaitcha, Sakhalin (USSR).
- unimaculata* (MACQUART, 1826): Mém. Soc. Sci. Agric. Lille, **1823-1824**: 157 (*Limnobia*). Type-locality: not given (northern France).
- vormanni* (WESTHOFF, 1882): Bau Hypopygiums Tipula: 56 (*Limnobia*). Type-localities: Münster; Oeding [D].

**Metalimnobia MATSUMURA, 1911**

MATSUMURA, 1911: J. Coll. Agric. Tohoku imp. Univ., 4: 63.

Type-species: *Metalimnobia vittata* MATSUMURA, 1911: l.c.: 63 (orig. des.) [= *?bifasciata* (SCHRANK, 1781)].

**bifasciata** (SCHRANK, 1781): Enum. ins. austr. indig.: 429 (*Tipula*). Type-locality: Linz (Austria).—Distr.: Europe: A, B, BG, CH, CS, D, DDR, DK, F, GB, H, I, IRE, N, NL, PL, R, S, SF; USSR: NET, CET, SET, TC (Ge), SMA (Tj), Siberia (north and eastward to Yakutsk ASSR), FE (Kamchatka, Amur obl., Primorskiy kray, Sakhalin, Kuril Is); Asia: Mongolia.

*xanthoptera* (MEIGEN, 1804): Klass. Beschr., 1: 56 (*Limonia*). Type-locality: not given.

*vittata* MATSUMURA, 1911: J. Coll. Agric. Tohoku imp. Univ., 4: 63 (*Metalimnobia*). Type-locality: Naitchi, Sakhalin (USSR). [Synonymy not certain.]

**bifasciata avis** (ALEXANDER, 1918): Ann. ent. Soc. Am., 11: 444 (*Limnobia*, as species). Type-locality: Takuhara, Shinano, Honshu (Japan).—Distr.: USSR: FE (Kuril Is); Asia: Japan (Hokkaido, Honshu).

**bifasciata flavoabdominalis** (ALEXANDER, 1918): Ann. ent. Soc. Am., 11: 445 (*Limnobia*, as subsp. of *avis*). Type-locality: not given (Honshu, Japan).—Distr.: Asia: Japan (Honshu, Shikoku).

**cinctipes** (SAY, 1823): J. Acad. nat. Sci. Philad., 3: 21 (*Limnobia*). Type-locality: Missouri (USA).—Distr.: USSR: FE (Primorskiy kray, ?Amur obl.); Nearctic Region.

**dualis** SAVCHENKO, 1986: Vestn. zool., 1986(1): 322 (*Metalimnobia*). Type-locality: Artybash, Gorno-Altai AO (USSR).—Distr.: USSR: WS (Altai), ?FE (?Primorskiy kray). [?Conspecific with *mendax* ALEXANDER, 1924.]

**improvisa** (ALEXANDER, 1933): Philipp. J. Sci., 51: 535 (*Limonia*). Type-locality: near Tong-Gu, Tibet border (China).—Distr.: Asia: China (Tibet border, Sichuan).

**lanceolata** SAVCHENKO, 1983: Limoniidae of south Primorye: 142 (*Metalimnobia*). Type-locality: near Sokolchi, Lozovskiy district, Primorskiy kray (USSR).—Distr.: USSR: FE (Primorskiy kray).

**mendax** (ALEXANDER, 1924): Insecutor Inscit. menstr., 12: 152 (*Limonia*). Type-locality: Jozankei, Ishikari-no-kuni, Hokkaido (Japan).—Distr.: Asia: Japan (Hokkaido). [See *dualis*.]

**quadrinaculata** (LINNAEUS, 1761): Fauna Sveciae, Ed. 2: 430 (*Tipula*). Type-locality: not given (?Sweden).—Distr.: Europe: A, B, CH, CS, D, DDR, DK, F, GB, H, I, N, NL, PL, R, S, SF, YU; USSR: NET, CET, SET, TC, WS (south), ES (south), FE (Kamchatka, Amur obl., Primorskiy kray, Sakhalin, Kuril Is); Asia: Mongolia, Japan (Hokkaido, Honshu); Nearctic Region.

- calmariensis* (LINNAEUS, 1761): Fauna Sveciae, Ed. 2: 430 (*Tipula*). Type-locality: "Calmariae" (Sweden).
- quatuormaculata* (MEIGEN, 1804): Klass. Beschr., 1: 62 (*Limonia*). Type-locality: not given (?near Stolberg [D]).
- annulus* (MEIGEN, 1818): Syst. Beschr., 1: 145 (*Limnobia*). Type-locality: not given (?near Stolberg [D]).
- truncata* (ALEXANDER, 1924): Philipp. J. Sci., 24: 548 (*Limonia*, as subsp. of *annulus*). Type-locality: Shikotsu, Hokkaido (Japan). [Synonymy not certain.]
- quadrinotata** (MEIGEN, 1818): Syst. Beschr., 1: 144 (*Limnobia*). Type-locality: not given (?near Stolberg [D]).—Distr.: Europe: A, B, CH, CS, D, DDR, DK, E, F, GB, H, I, IRE, N, NL, PL, R, S, SF, YU; USSR: NET, CET, SET, SMA (Ki), WS, ES (east to Yakutsk ASSR), FE (Magadan obl., Amur obl.); Asia: China (Gansu), Mongolia.
- variegata* (MACQUART, 1826): Mém. Soc. Sci. Agric. Lille, 1823-1824: 153 (*Limnobia*). Type-locality: not given (northern France).
- quadrinotata tenua** SAVCHENKO in SAVCHENKO and KRIVOLUTSKAYA, 1976: Limoniidae of the south Kuril Islands and south Sakhalin: 151 (*Metallimnobia*). Type-localities: several localities in ES and FE (USSR).—Distr.: USSR: ES (Buryat ASSR), FE (Kamchatka, Primorskiy kray, Sakhalin, Kuril Is); Asia: ?Japan (?Hokkaido).
- xanthopteroides** (RIEDEL, 1917): Arch. Naturgesch., 82(A)(5): 110 (*Limnobia*). Type-locality: Toa Tsui Kutsu (Taiwan).—Distr.: Asia: China (Sichuan, Zhejiang); Taiwan.
- zetterstedti** (TJEDER, 1968): Opusc. ent., 33: 280 (*Limonia*, as new name for *Limnobia elegans* ZETTERSTEDT, 1838, a junior primary homonym of *Limnobia elegans* WIEDEMANN, 1830).—Distr.: Europe: A, B, BG, CH, CS, D, DDR, I, N, PL, S, SF; USSR: CET (Li), NET (west), SET (Carpathians), WS (Tuva), ES (Yakutsk ASSR), FE (Amur obl., Primorskiy kray, Sakhalin); Asia: Mongolia.
- elegans* (ZETTERSTEDT, [1838]): Insecta Lapp.: 837 (*Limnobia*). Type-localities: several localities in Swedish Lapland.

### **Microllimonia** SAVCHENKO, 1976

SAVCHENKO in SAVCHENKO and KRIVOLUTSKAYA, 1976: Limoniidae of the south Kuril Islands and south Sakhalin: 147 (as subgenus of *Dicranomyia* STEPHENS, 1829).

Type-species: *Limonia inelegans* ALEXANDER, 1924: Insecutor Inscit. menstr., 12: 156 (orig. des.).

**bicornigera** (ALEXANDER, 1932): Philipp. J. Sci., 49: 382 (*Limonia*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).

- egressa** (ALEXANDER, 1938): Philipp. J. Sci., **66**: 468 (*Limonia*). Type-locality: Pehlütting (Beh-Luh-Din), 30 mi N Chengdu, Sichuan (China).—Distr.: Asia: China (Sichuan).
- inelegans** (ALEXANDER, 1924): Insecutor Inscit. menstr., **12**: 156 (*Limonia*). Type-locality: Chuzenji, Shimotsuke-no-kuni, Honshu (Japan).—Distr.: USSR: FE (Primorskiy kray, Sakhalin, Kuril Is); Asia: Japan (Hokkaido, Honshu, Shikoku), China (as far west as Sichuan); Taiwan.
- machidai** (ALEXANDER, 1921): Ann. ent. Soc. Am., **14**: 113 (*Dicranomyia*). Type-locality: Nakano, Honshu (Japan).—Distr.: Europe: A, CH, CS, D, H, PL, R; USSR: SET (Carpathians), TC (Az), WS (Altai), FE (Khabarovskiy kray, Primorskiy kray, Sakhalin, Kuril Is); Asia: Japan (Hokkaido, Honshu, Kyushu, Shikoku); China (Jiangxi).
- pusilla* (LACKSCHEWITZ, 1928): Annln naturh. Mus. Wien, **42**: 232 (*Limnobia*). Type-locality: Dornbach near Vienna (Austria).
- omogoensis** (ALEXANDER, 1954): Philipp. J. Sci., **82**: 283 (*Limonia*). Type-locality: Omogokei, Shikoku (Japan).—Distr.: USSR: FE (Khabarovskiy kray, Primorskiy kray); Asia: Japan (Shikoku).

#### **Neolimonia** ALEXANDER, 1964

ALEXANDER, 1964: Bull. Inst. Jamaica, Sci. Ser., **14**: 28. (as subgenus of *Limonia* MEIGEN, 1803).

Type-species: *Furcomyia eiseni* ALEXANDER, 1912: Can. Ent., **44**: 338 (orig. des.); not Palaearctic.

**dumetorum** (MEIGEN, 1804): Klass. Beschr., **1**: 54 (*Limonia*). Type-locality: not given (?near Stolberg [D]).—Distr.: Europe: A, B, BG, CH, CS, D, DDR, DK, E, F (incl. Corsica), GB, H, I, IRE, L, N, NL, PL, R, S, SF, YU; USSR: NET (southwest), CET, SET, TC.

*transversalis* (WALKER, 1856): Ins. Brit., Dipt., **3**: 294 (*Limnobia*). Type-locality: not given (Great Britain).

#### **Rhipidia** MEIGEN, 1818

MEIGEN, 1818: Syst. Beschr., **1**: 153.

Type-species: *Rhipidia maculata* MEIGEN, 1818: l.c.: 153 (mon.).

*Eurhipidia* ALEXANDER, 1965: see below as subgenus.

## Subgenus EURHIPIDIA ALEXANDER, 1965

ALEXANDER, 1965: Trans. Am. ent. Soc., **91**: 53 (as subgenus of *Limonia* MEIGEN, 1803).

Type-species: *Rhipidia rostrifera* EDWARDS, 1916: Ann. Mag. nat. Hist., (8) **17**: 352 (orig. des.) [= *productiva* (ALEXANDER, 1942)]; not Palaearctic.

- expansimacula** (ALEXANDER, 1934): Philipp. J. Sci., **54**: 324 (*Limonia*, as subsp. of *formosana* ALEXANDER). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- garrula** (ALEXANDER, 1933): Philipp. J. Sci., **50**: 140 (*Limonia*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- garruloides** (ALEXANDER, 1933): Philipp. J. Sci., **51**: 395 (*Limonia*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).

## Subgenus RHIPIDIA MEIGEN, 1818

- ctenophora** LOEW, 1871: Besch. europ. Dipt., **2**: 4 (*Rhipidia*). Type-locality: Frankfurt am Main [D].—Distr.: Europe: A, BG, CH, D, F, GB, NL, R.
- degradans** SAVCHENKO, 1983: Limoniidae of south Primorye: 118 (*Rhipidia*). Type-locality: Kedrovaya Pad, Khasan district, Primorskiy kray (USSR).—Distr.: USSR: FE (Primorskiy kray).
- hypomelania** (ALEXANDER, 1936): Philipp. J. Sci., **59**: 236 (*Limonia*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- isospilota** (ALEXANDER, 1936): Philipp. J. Sci., **59**: 235 (*Limonia*). Type-locality: Kibune, Kyoto pref., Honshu (Japan).—Distr.: USSR: FE (Primorskiy kray); Asia: Japan (Honshu).
- lucea** SAVCHENKO, 1974: Vestn. zool., **1974**(4): 70 (*Rhipidia*). Type-locality: near Lerik, Talysh (USSR: Az).—Distr.: USSR: TC (Az).
- maculata** MEIGEN, 1818: Syst. Besch., **1**: 153 (*Rhipidia*). Type-locality: not given (?near Stolberg [D]).—Distr.: Europe: A, B, BG, CH, CS, D, DDR, DK, ?E, F (?incl. Corsica), GB, H, I, IRE, N, NL, PL, R, S, SF, YU; USSR: NET (incl. Kola peninsula), CET, SET, TC, WS, ES, FE (from Magadan obl. and Kamchatka to Primorskiy kray, Sakhalin and Kuril Is); Asia: Japan (Hokkaido, Honshu, Shikoku), China (northeast); Nearctic Region. [Not considered a junior secondary homonym of *Limonia maculata* MEIGEN, 1804, now in *Eloeophila*, and not replaced prior to 1961.]
- [*lecontei* (ALEXANDER, 1940): Am. Midl. Nat., **24**: 624 (*Limonia*, as subsp. of *maculata*). Type-locality: Mt. Leconte, Huffs Lodge, Tennessee (USA).]
- duplicata*: European authors, not DOANE, 1900, misinterpretation.
- monoctenia** (ALEXANDER, 1935): Philipp. J. Sci., **57**: 210 (*Limonia*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).

- pauperior** KUNTZE, 1920: Zool. Jb. Syst., **43**: 421 (*Rhipidia*). Type-localities: Zlatoust (USSR); Chamonix (France).—Distr.: Europe: F; USSR: CET (east).
- punctiplena** MIK, 1887: Verh. zool.-bot. Ges. Wien, **37**: 173 (*Rhipidia*). Type-locality: Aigen near Salzburg (Austria).—Distr.: Europe: A, CH, CS, R; USSR: SET (Carpathians, southeast), ES (Irkutsk obl.), FE (Primorskiy kray).
- reductispina** SAVCHENKO, 1983: Limoniidae of south Primorye: 117 (*Rhipidia*). Type-locality: Kedrovaya Pad, Khasan district, Primorskiy kray (USSR).—Distr.: USSR: FE (Primorskiy kray).
- septentrionis** ALEXANDER, 1913: Can. Ent., **45**: 206 (*Rhipidia*, as subsp. of *pulchra* DE MEIJERE). Type-locality: Tokyo, Honshu (Japan).—Distr.: USSR: FE (Amur obl., Primorskiy kray, Sakhalin, Kuril Is); Asia: Japan (Hokkaido, Honshu, Shikoku, Kyushu), China (northeast).
- synspilota** (ALEXANDER, 1935): Philipp. J. Sci., **56**: 548 (*Limonia*). Type-locality: Kaj-Nag range, Kashmir (India).—Distr.: Asia: China (Tibet); India.
- triarmata** (ALEXANDER, 1930): Philipp. J. Sci., **43**: 514 (*Limonia*). Type-locality: Hassensan (Taiwan).—Distr.: USSR: ES (basin of Indigirka river), FE (Primorskiy kray, Kuril Is); Asia: ?Japan (?Honshu), China (Sichuan); China (Jiangxi), Taiwan.
- uniseriata** SCHINER, 1864: Fauna Austr. Dipt., **2**: 564 (*Rhipidia*). Type-locality: Silesia (Poland).—Distr.: Europe: A, B, BG, CH, CS, D, DDR, DK, F, GB, H, I, NL, PL, R, S, SF, YU; USSR: NET (southwest), CET (northwest), SET, TC (Ge), WS (Tuva, Novosibirsk obl.), FE (Khabarovskiy kray, Primorskiy kray, Kuril Is).
- sibirica* ALEXANDER, 1925: Proc. U.S. natn. Mus., **68**(4): 6 (*Rhipidia*). Type-locality: Okeanskaya, near Vladivostok, Primorskiy kray (USSR).
- uniseriata lutea** SAVCHENKO, 1974: Vestn. zool., **1974**(4): 72 (*Rhipidia*). Type-locality: Sary-Chelek nature reserve, Dzhalal-Abad obl. (USSR: Ki).—Distr.: USSR: SMA (Ki, Tj).

### **Thrypticomyia** SKUSE, 1890

SKUSE, 1890: Proc. Linn. Soc. N.S.W., (2) **4**: 774.

Type-species: *Thrypticomyia aureipennis* SKUSE, 1890: l.c.: 775 (mon.); not Palaearctic.

- unisetosa** (ALEXANDER, 1929): Philipp. J. Sci., **40**: 248 (*Limonia*, as new name for *Thrypticomyia arcuata* ALEXANDER, 1920, at time of replacement a junior secondary homonym of *Peripheroptera arcuata* ALEXANDER, 1913).—Distr.: USSR: FE (Primorskiy kray, Kuril Is); Asia: Japan (Honshu, Shikoku); China (southeast), Taiwan.
- arcuata* ALEXANDER, 1920: Trans. Am. ent. Soc., **46**: 4 (*Thrypticomyia*). Type-locality: Tokyo, Honshu (Japan).



## Doubtful genera and species of Limoniidae

- Alfredia* BEZZI, 1918: Atti Soc. ital. Sci. nat., **57**: 20. Type-species: *Alfredia acrobata* BEZZI, 1918: l.c.: 22 (orig. des.). [?Limnophilini.]
- Dohrnia* BIGOT, 1854: Anns Soc. ent. Fr., (3) **2**: 457 and 470; without included species. [?Limoniini.]
- Orosmya* RONDANI, 1856: Dipt. Ital. Prodrumus, **1**: 182. Type-species: *Orosmya appennina* RONDANI, 1856: l.c.: 182 (orig. des.).
- Pelosia* RONDANI, 1856: Dipt. Ital. Prodrumus, **1**: 185. Type-species: *Pelosia albifrons* RONDANI, 1856: l.c.: 185 (orig. des.).
- Rondania* BIGOT, 1854: Anns Soc. ent. Fr., (3) **2**: 457 and 470 ("Pars gen. *Limnobia* Macq."); without included species. [?Ulini.]
- Spyloptera* RONDANI, 1856: Dipt. Ital. Prodrumus, **1**: 181. Type-species: *Spyloptera meridionalis* RONDANI, 1856: l.c.: 181 (orig. des.). [?Antochini.]
- acrobata* BEZZI, 1918: Atti Soc. ital. Sci. nat., **57**: 22 (*Alfredia*). Type-locality: Piz Ventina (Italy). [?Limnophilini.]
- albifrons* RONDANI, 1856: Dipt. Ital. Prodrumus, **1**: 185 (*Pelosia*). Type-locality: not given (Italy).
- appennina* RONDANI, 1856: Dipt. Ital. Prodrumus, **1**: 182 (*Orosmya*). Type-locality: not given (Italy).
- breviceps* MOTSCHULSKY, 1859: Bull. Soc. nat. Moscou, **32**(3): 503 (*Tipulina*). Type-locality: Nikolayevsk-na-Amure (USSR).
- fuscofemorata* VON ROSER, 1840: CorrespBl. Württ. landw. Ver., Stuttg. (N.S.), **17**(1): 51 (*Limnobia*). Type-locality: not given (Württemberg [D]). [?Limoniini.]
- latipennis* MACQUART, 1834: Hist. nat. Ins., Dipt., **1**: 107 (*Limnobia*). Type-locality: not given ("Du cabinet de M. Percheron"). [Limoniinae; ?Palaeartic.]
- marginepunctata* VON ROSER, 1840: CorrespBl. Württ. landw. Ver., Stuttg. (N.S.), **17**(1): 51 (*Limnobia*). Type-locality: not given (Württemberg [D]). [?Limoniini.]
- meridionalis* RONDANI, 1856: Dipt. Ital. Prodrumus, **1**: 181 (*Spyloptera*). Type-locality: not given (Italy). [?Antochini.]
- nigricans* MACQUART, 1826: Mém. Soc. Sci. Agric. Lille, **1823-1824**: 149 (*Limnobia*). Type-locality: not given (northern France). [?Limnophilini.]
- obsoleta* MEIGEN, 1818: Syst. Besch., **1**: 124 (*Limnobia*). Type-locality: Portugal. [?Limnophilini.]
- platyptera* MACQUART, 1826: Mém. Soc. Sci. Agric. Lille, **1823-1824**: 150 (*Limnobia*). Type-locality: not given (northern France). [Hexatominæ.]

**Family Ptychopteridae**  
(Liriopeidae)

By R. Rozkošný

The adults exhibit a tipuloid appearance, the shining black prevails in their coloration. Head is rather small, wider than long, bearing the convex and well-separated compound eyes, ocelli are missing. The filiform antennae consist of sixteen segments each. Thorax is strongly convex, with a relatively small scutellum. Legs are long, with the strongly developed coxae, tibiae are armed with the terminal spurs and the basitarsi are almost twice as long as the other tarsomeres together. Wings bear mostly conspicuous spots. They are characterized by the circumambient costa, the missing discal cell and by the venae spuriae that run between veins  $R_S$  and  $M$ , and  $Cu$  and  $A$ , respectively. Male abdomen is 9-segmented, the distal segments became shorter but markedly wider. A so-called auxiliary copulatory organ is usually developed on the 3rd abdominal sternum. Female terminalia on the 10-segmented female abdomen consist of scissor-shaped cerci, a vaginal apodeme and a subgenital plate (= 8th sternum). The size varies from 7 to 15 mm.

The metapneustic larvae are slender, long and spindle-shaped, eucephalic. Their anal region is characteristically produced into a long retractable respiratory tube. On the ventral side of the first 3 abdominal segments there are 3 pairs of the tubercle-like prolegs, each with an apical spine. Two slender retractable anal papillae are present ventrally at base of the respiratory tube. From the mouthparts, especially the hypostoma and the hypostomal bridge seem to be of taxonomic importance.

The pupae exhibit the right pupal respiratory horn produced into a respiratory tube that used to be about twice as long as the pupa. The left pupal respiratory horn is small and degenerate.

Larvae and pupae develop in water of a lenitic character; they live in the upper layers of mud, communicating with the water surface only through their respiratory tubes.

At present 64 world species of the family are known, 24 of which have been found in the Palaearctic Region. Two of them belong to the genus *Bittacomorphella* ALEXANDER and the other to the genus *Ptychoptera* MEIGEN.

**References:** BRINDLE, 1962, 1966; FREY, 1959; JOOST, 1974, 1978; PEUS, 1958, 1967; STUBBS, 1972; TJEDER, 1968; WAGNER, 1978; ZITEK-ZWYRTEK, 1971.

**Bittacomorphella** ALEXANDER, 1916

ALEXANDER, 1916: Proc. Acad. nat. Sci. Philad., 1916: 545 (as subgenus of *Bittacomorpha* WESTWOOD, 1835).

Type-species: *Bittacomorpha jonesi* JOHNSON, 1905: Psyche, 12: 75 (orig. des.); not Palaearctic.

**esakii** TOKUNAGA, 1938: Mushi, 11: 189 (*Bittacomorphella*). Type-locality: Kaku-mazawa, Nagano-ken, Honshu (Japan).—Distr.: Asia: Japan.

**nipponensis** ALEXANDER, 1924: Insecutor Inscit. menstr., 12: 51 (*Bittacomorphella*). Type-locality: Hinoemata, Iwashiro-no-kuni (Japan).—Distr.: Asia: Japan.

**Ptychoptera** MEIGEN, 1803

MEIGEN, 1803: Mag. Insektenk., 2: 262.

Type-species: *Tipula contaminata* LINNAEUS, 1758: Syst. Nat., Ed. 10, 1: 586 (des. LATREILLE, 1810: Consid. générales nat. animaux: 442).

*Liriope* MEIGEN, 1800: Nouve. Class.: 14. Type-species: *Tipula contaminata* LINNAEUS, 1758: Syst. Nat., Ed. 10, 1: 586 (des. COQUILLET, 1910: Proc. U.S. natn. Mus., 37: 562). [Suppressed by I.C.Z.N., Bull. zool. Nom., 20: Opinion 678.]

*Parapteroptera* TONNOIR, 1919: Anns Soc. ent. Belg., 59: 115. Type-species: *Ptychoptera paludosa* MEIGEN, 1804: Klass. Beschr., 1(1): 82 (by present designation).

**albimana** (FABRICIUS, 1787): Mantissa insect., 2: 323 (*Tipula*). Type-locality: Kiel [D].—Distr.: Europe: from Central Scandinavia to I; USSR: NET, CET, SET (Uk).

**bellula** ALEXANDER, 1937: Philipp. J. Sci., 63: 367 (*Ptychoptera*). Type-locality: Kiangsi, Hong San (China).—Distr.: Asia: China.

**clitellaria** ALEXANDER, 1935: Philipp. J. Sci., 57: 195 (*Ptychoptera*). Type-locality: Yachow, Sichuan (China).—Distr.: Asia: Japan, China.

**contaminata** (LINNAEUS, 1758): Syst. Nat., Ed. 10, 1: 586 (*Tipula*). Type-locality: "Europe".—Distr.: Europe: from Central Scandinavia to E; USSR: NET, CET, SET.

*fuscipes* (GMELIN, 1790): Syst. Nat., Ed. 13, 1(5): 2819 (*Tipula*). Type-locality: "Europa".

**daimio** ALEXANDER, 1921: Insecutor Inscit. menstr., 9: 80 (*Ptychoptera*). Type-locality: Teshio, Hokkaido (Japan).—Distr.: Asia: Japan.

**handlirschi** (CZIŽEK, 1919): Z. mähr. Landesmus., 17: 13 (*Liriope*). Type-locality: Neudorf, Tesstal [= Zárová, Desná Valley] (Czechoslovakia).—Distr.: Europe: CS, PL.

- helena** (PEUS, 1958): 10b. Liriopidae, Fliegen pal. Reg., 3(1): 31 (*Liriopidae*). Type-locality: Oiti Mts, Phthiotis (Greece).—Distr.: Europe: GR.
- hugoi** TJEDER, 1968: Opusc. ent., 33: 74 (*Ptychoptera*). Type-locality: Gratangen, Troms (Norway).—Distr.: Europe: N, S.
- japonica** ALEXANDER, 1913: Can. Ent., 45: 198 (*Ptychoptera*). Type-locality: Tokyo (Japan).—Distr.: Asia: Japan.
- lacustris** MEIGEN, 1830: Syst. Besch., 6: 291 (*Ptychoptera*). Type-locality: not given (Germany).—Distr.: Europe: from South Scandinavia to F and the Alps; USSR: NET, CET, SET.
- longicauda** (TONNOIR, 1919): Annl. Soc. ent. Belg., 59: 121 (*Paraptychoptera*). Type-localities: Bruxelles, Genval, Virton (Belgium).—Distr.: Europe: GB, S, DK, B, CS.
- minuta** TONNOIR, 1919: Annl. Soc. ent. Belg., 59: 120 (*Ptychoptera*). Type-locality: Audergnem (Belgium).—Distr.: Europe: GB, N, S, SF, DK, NL, B, CS; USSR: NET, WS.
- obscura** (PEUS, 1958): 10b. Liriopidae, Fliegen pal. Reg., 3(1): 33 (*Liriopidae*). Type-locality: Berlin.—Distr.: Europe: Berlin.
- paludosa** MEIGEN, 1804: Klass. Besch., 1(1): 82 (*Ptychoptera*). Type-locality: not given (Germany).—Distr.: Europe: from Central Scandinavia to F and the Alps; USSR: NET, CET, SET.
- peusi** JOOST, 1974: Ent. Nachr., Dresden, 18: 173 (*Ptychoptera*). Type-locality: Irik (Central Caucasus) (USSR).—Distr.: USSR: SET (Rs).
- scutellaris** MEIGEN, 1818: Syst. Besch., 1: 206 (*Ptychoptera*). Type-locality: Stolberg [D].—Distr.: Europe: from GB, S and SF to F and the Alps; USSR: NET, CET, SET (Rs); Asia: Mongolia.
- silvicola** ZWYRTEK et ROZKOŠNÝ, 1967: Acta Mus. Mor., Sci. nat., 52: 197 (*Ptychoptera*). Type-locality: Vihorlat Mts (Czechoslovakia).—Distr.: Europe: CS.
- subscutellaris** ALEXANDER, 1921: Insecutor Inscit. menstr., 9: 81 (*Ptychoptera*). Type-locality: Sapporo, Hokkaido (Japan).—Distr.: Asia: Japan.
- surcoufi** (SÉGUY, 1925): Encycl. ent. (B II) Dipt., 2: 22 (*Paraptychoptera*). Type-locality: Rouiba (Algeria).—Distr.: North Africa: Algeria.
- takeuchii** TOKUNAGA, 1938: Mushi, 11: 187 (*Ptychoptera*). Type-locality: Koyasan, Wakayamaken, Honshu (Japan).—Distr.: Asia: Japan.
- yankovskiana** ALEXANDER, 1945: Trans. R. ent. Soc. Lond., 95: 228 (*Ptychoptera*). Type-locality: Pukso Pyaksan, Kaukyo Nando (Korea).—Distr.: Asia: Korea.
- yasumatsui** TOKUNAGA, 1939: Mushi, 12: 78 (*Ptychoptera*). Type-locality: Hikosan, Buzen, Hukuoka-ken, Kyushu (Japan).—Distr.: Asia: Japan.

## Doubtful species in Ptychoptera

- coerulea* STROBL, 1898: Glasnik. zemalj. Mus. Bosni Herceg., 10: 602 (*Ptychoptera*, as var. of *paludosa* MEIGEN). Type-locality: "Sucha" (Yugoslavia).
- fasciata* (SCOPOLI, 1763): Entom. carniolica: 321 (*Tipula*). Type-locality: not given (Carniola, Yugoslavia).
- ocreata* (SCHRANK, 1781): Enum. ins. austr. indig.: 427 (*Tipula*). Type-locality: "Austria superiore".
- pectinata* MACQUART, 1834: Hist. nat. Ins., Dipt., 1: 77 (*Ptychoptera*). Type-locality: North France. - See also Tipulidae: *Dicthenidia* BRULLÉ, 1833.

## Family Nymphomyiidae

By L. Jedlička

The Nymphomyiidae are small, peculiar, little known, archaic Diptera. Body of imago pale, about 2 mm long. Head small, conical, prognathous in type, anteriorly with a rostrum. Oral opening is on the ventral side of rostrum, but no functional mouthparts present. Eyes separated dorsally, but connected ventrally. Two large ocelli present. Antennae 5-segmented, short. The 3rd segment largest one, 2 distal flagellar segments very small, apical on the 3rd segment. Thorax cylindrical. Pronotum small, divided in two lateral parts. Mesonotal praescutum and scutum fused, postscutellum elongated, scutellum small. Metanotum reduced. Each thoracal segment with a large sternum. Spiracles absent. Legs slender, small, all femora and tibiae subdivided each in 2 parts by membraneous ring. Tarsi 5-segmented, with long claws and a slender empodium. Wings elongated, narrow, triangular, deciduous along a definite line near base, with a long hair fringe along the fore and hind margin. Veins present as slight thickenings only. Abdomen 9-segmented, cylindrical, with paired appendages on different segments. The 8th segment sexually modified, in some genera with paratergal appendages. Hypopygium simple, normal in position. Aedeagus simple, supported by an apodeme. Gonopods large, basistyles long, fused to 9th sternite, dististyles small. Unsegmented cerci large, horn-like, immovable. In female, an ovipositor-like structure present between cerci. The homology of abdominal appendages is uncertain.

Larvae aquatic, small, polypodous, eucephalic, apneustic. Body whitish, 1-2 mm long. head ovoid, yellow to brown, with Y-shaped epicranial suture and anteriorly with a subconical rostrum. A single lateral eyespot on each side. Antennae 3-segmented, 1st segment the longest one, cylindrical; at base of 2nd antennal segment are 2 spatulate sensillae, longer than this segment. Mouthparts of chironomid type. All 3 thoracic segments distinct, cylindrical, without legs. Abdomen with 9 apparent segments, first 7 and

terminal segment each with a pair of 2-segmented prolegs (according to ROHDENDORF pseudosegmentation only), terminated with 1 or 2 crowns of spines.

Pupa libera, about 2.5 mm long. Head prognathous, antennal sheaths parallel with rostrum. Sheaths of wings and legs fixed at the base only. Abdominal segmentation the same type as in imago; on the hind margin of each of 2nd to 8th segments one row of strong triangular thorns.

Adults live in summer, they spring into the air on taking flight by flexing their abdomen. Females enter flowing water to oviposit and remain there with eggs attached to their body until hatching. Microphagous larvae are associated with aquatic mosses. Pupae probably move actively.

Five species are described, four in Asia (one of them Oriental), and one in North America. The subfamily *Oreadomyiinae* with *Oreadomyia albertae* KEVAN et CUTTEN, 1975, was erected by ROHDENDORF (1977) in family rank. An undescribed Brazilian genus assigned by IDE to *Nymphomyiidae* belongs probably to *Cecidomyiidae* (CUTTEN and KEVAN, 1970).

**References:** CUTTEN and KEVAN, 1970; IDE, 1965; MAKARCHENKO, 1979; ROHDENDORF and KALUGINA, 1974; TOKUNAGA, 1932.

### ***Nymphomyia* TOKUNAGA, 1932**

TOKUNAGA, 1932: *Annotnes zool. jap.*, **13**: 560.

Type-species: *Nymphomyia alba* TOKUNAGA, 1932: l.c.: 561 (orig. des.).

**alba** TOKUNAGA, 1932: *Annotnes zool. jap.*, **13**: 561 (*Nymphomyia*). Type-locality: Kibune, Kyoto Pref. (Japan).—Distr.: Asia: Japan (Honshu).

**levanidovae** ROHDENDORF et KALUGINA, 1974, *Ent. Obozr.*, **53**: 687 (*Nymphomyia*). Type-locality: "reka Elduga, bassejn r. Sujfun" (USSR: FE, South Primor'ye region).—Distr.: USSR: FE.

**rohdendorfi** MAKARCHENKO, 1979: *Zool. Zh.*, **58**: 1070 (*Nymphomyia*). Type-locality: "ruchej Anjuradat, pos. Sibit-Tyellach" (USSR: FE, Kolyma river basin).—Distr.: USSR: FE.

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- 1914 The crane-flies collected in Costa Rica by Dr. P. P. Calvert (Tipulidae, Diptera). *Jl N.Y. ent. Soc.*, **22**: 116-124.
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- 1915 New or little known crane-flies from the United States and Canada. Tipulidae, Diptera, 2. *Proc. Acad. nat. Sci. Philad.*, **1915**: 458-514.
- 1915 New Nearctic crane-flies in the United States National Museum (Diptera, Tipulidae). *Insecutor Inscit. menstr.*, **3**: 127-142.
- 1916 New Limnophilina crane-flies from the United States and Canada (Tipulidae, Diptera). *Jl N.Y. ent. Soc.*, **24**: 118-125.
- 1916 New North American species of the genus Gonomyia Meigen (Tipulidae, Diptera). *Can. Ent.*, **48**: 316-325.

- 1916 New or little known crane-flies from the United States and Canada. Tipulidae, Ptychopteridae, Diptera, 3. *Proc. Acad. nat. Sci. Philad.*, **1916**: 486-550.
- 1917 New Nearctic crane-flies (Tipulidae, Diptera), 2. *Can. Ent.*, **49**: 22-31, 61-64.
- 1918 New Nearctic crane-flies (Tipulidae, Diptera), 4. *Can. Ent.*, **50**: 60-71.
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- 1919 The crane-flies collected by the Canadian arctic expedition, 1913-1918. *Rep. can. arct. Exped., 1913-1918*, **3** (C: Diptera): 3-30.
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- 1920 New or little known crane-flies in the Queensland Museum (Tipulidae, Diptera). *Mem. Qd Mus.*, **7**: 52-63.
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## Index

Names are indexed as follows:

**CAPITALS:** All valid names for taxa above the generic level.

**ITALICIZED CAPITALS:** All synonymous names for taxa above the generic level.

**Roman:** All valid names of genera and for taxa below the generic level.

**Italics:** All synonymous names of genera and for taxa below the generic level including nomina dubia, names of doubtful species, errors or emendations, misidentifications.

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