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## A SYSTEMATIC AND SYNONYMIC LIST OF THE PALAEARCTIC REPRESENTATIVES OF THE SO-CALLED GLYPHIPTERYGIDAE MEYRICK, 1913 (LEPIDOPTERA), WITH DESCRIPTIONS OF TWO NEW TAXA

by

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Diakonoff, A.: A systematic and synonymic list of the Palaeartic representatives of the so-called Glyphipterygidae Meyrick, 1913 (Lepidoptera), with descriptions of two new taxa.

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A list of synonyms of Palaeartic Glyphipterygidae is presented and *Choreutis caradjai* spec. nov. and *C. atrosignata sinica* subspec. nov. are described.

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With the steadily increasing general interest for the taxonomy of the so-called Microlepidoptera, several less known or neglected groups are receiving renewed attention. One of these is the so-called "family Glyphipterygidae sensu Meyrick, 1913". This group with a world-wide distribution, comprising often large, noctuid-like or other, beautifully and brightly coloured and marked species, has been notorious for its vague limits and appallingly heterogeneous character. For a long time the group needed extensive revision. This is taking place at present, started more or less simultaneously from different directions: the New World Fauna is tackled by Heppner, that of Japan, by Arita, that of the U.S.S.R., by Danilevsky and by Zaguljaev and that of the Palaeartic Region, by the present author.

The last mentioned study is intended to form the 7th volume of the well-known series "Microlepidoptera Palaeartica". Although the manuscript has been terminated a couple of years ago, it now awaits the finishing of the colour illustrations and its turn for publication. In the meantime often questions as to the systematics and synonymies of the species reach the author. For the ready use for other students he therefore decided to present the results of his

investigation in the shape of this systematic and synonymic list, anticipating the publication of the volume.

Since Meyrick's time this group has been strongly divided. The present Palearctic list contains representatives of four superfamilies of Ditrysiian Lepidoptera, with five families, comprising 20 genera, with 153 species, 3 subspecies, 5 varieties, 5 formae and 3 aberrations: among these one species and one subspecies are described as new. Synonyms are given in full, but misspellings of generic and specific names mostly are omitted.

An exception forms the genus *Brachodes* Guenée, 1845 (= *Atychia* Ragonot, 1809, praeocc.), that has been revised by Zaguljaev and for a part has been published already (1979). It is omitted from the present list.

The authorship of the family-group names is treated following the Art. 36 of the International Code of Zoological Nomenclature.

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#### GLYPHIPTERYGIDAE SENSU MEYRICK, 1913

TORTRICOIDEA Latreille [1803]: 415

TORTRICIDAE Latreille [1803]: 415

CHLIDANOTINAE Meyrick, 1906a: 412

HILAROGRAPHINI Diakonoff, 1977a: 76

*Mictocommosis* Diakonoff, 1977b: 8

*nigromaculata* (Issiki, 1930: 423)

*takaonis* Matsumura, 1931: 1081

*Charitographa* Diakonoff, 1979: 291

*micadonis* (Stringer, 1930: 418)

*Thaumatographa* Walsingham, 1897: 52

*decoris* (Diakonoff & Arita, 1976: 191)

*eremnotorna* (Diakonoff & Arita, 1976: 185)

*aurosa* (Diakonoff & Arita, 1976: 181)

*machaerophora* (Diakonoff & Arita, 1976: 180)

*leucopyrga* (Meyrick, 1912: 36)

SESIOIDEA Boisduval, 1829: 29

Glyphipterygoidea Meyrick, 1928: 599 (partim)

Agerioidea Mosher, 1916: 48

BRACHODIDAE Agenjo, 1966: 148

BRACHODINAE Agenjo, 1966: 148

- Atychides Duponchel, 1835: 169
- Chimaerites Blanchard, 1840: 474
- Atychidae Duponchel, 1843: 329
- Atychioidae Lederer, 1853: 67
- Atychiidae Speyer, 1856: 88
- Brachodidae Heppner, 1979: 127

*Brachodes* Guenée, 1845: 311

*Atychia* Latreille, 1809: 214 (nec Ochsenheimer, 1808). This genus has been revised by Zaguljaev (1979) and published, as far as the fauna of the U.S.S.R. is concerned; his survey of the fauna of this family from other parts of the Palaearctic Region still awaits publication.

PHYCODINAE Heppner, 1981: 12

*Phycodes* Guenée, 1852: 389 (nec *Chimaera* Ochsenheimer, 1808: 2)

- Tegna* Walker, 1866: 1809
- chalcocrossa* Meyrick, 1909: 424
- mesopotamica* Rebel, 1910: 11 (syn. nov.)
- radiata* (Ochsenheimer, 1808: 5)
- hirudinicornis* Guenée, 1852: 389
- hyblaeella* Walker, 1866: 1810
- superbella* Rebel, 1910: 11 (nom. nud.)
- tertiana* Diakonoff, 1978a: 42 (syn. nov.)
- minor* Moore, 1881: 378
- lucasseni* Snellen, 1901: 74
- cymineuta* Meyrick, 1909: 424
- omnimicans* Diakonoff, 1978a: 42 (syn. nov.)
- bushii* Arita, 1980: 63
- Nigilgia* Walker, 1863: 511
- adjectella* Walker, 1863: 512
- limata* Diakonoff & Arita, 1979b: 90

CHOREUTIDAE Stainton, 1854: 2

- Choreutina Von Heinemann & Wocke, 1876: 1
- Simaethidae Swinhoe & Cotes, 1889: 700
- Hemerophilidae Busck, 1910: 242
- Simaethinae Janse, 1932: 61

MILLIERIINAE Heppner, 1982a: 2

- Millieria* Ragonot, 1874: 173
- Ripismia* Wocke, 1876: 399
- Rhipismia* Reutti, 1898: 180 (emend.)

- Milliereia* Spuler, 1910: 298 (emend.)  
*Milliera* Le Marchand, 1937: 192 (laps.)  
*Millieroa* Le Marchand, 1937: 192 (laps.)  
*dolosana* Herrich-Schäffer, 1854: 95  
*dolosalis* Heydenreich, 1851: 63 (nom. nud.)  
BRENTHIINAE Heppner, 1981: 48  
*Brenthia* Clemens, 1860: 172  
*Microaethia* Chambers, 1878: 76  
*nephelosema* Diakonoff, 1978a: 31  
*formosensis* Issiki, 1930: 425  
*yaeyamae* Arita, 1971: 350  
*pileae* Arita, 1971: 351  
*ardens* Meyrick, 1912: 52  
*Litobrenthia* Diakonoff, 1978a: 28  
*stephanephora* Diakonoff, 1979: 292  
*tetartodipla* Diakonoff, 1978a: 33  
*japonica* (Issiki, 1930: 424)  
*kiiensis* Matsumura, 1931: 1078  
*carola* Meyrick, 1912: 53  
*grammodes* Diakonoff, 1979: 296  
CHOREUTINAE Stainton, 1854: 2  
*Anthophila* Haworth, [1811]: 471  
*Simaethis* Leach, 1815: 35  
*Xylopoda* Berthold, 1827: 484  
*abhasica* Danilevsky, 1969: 928  
*fabriciana* (Linnaeus, 1767: 880)  
*oxyacanthella* Linnaeus, 1767: 886  
*dentana* Hübner, [1799]: pl. 1 fig. 4  
*fabricii* Haworth, [1811]: 471 (emend.)  
*oxyacanthae* Haworth, [1811]: 471 (emend.)  
*dentanalisis* Treitschke, 1829: 158 (emend.)  
*alternalis* Treitschke, 1829: 160  
*parietariae* Stainton, 1855: 42  
*oxyacanthana* Halle, 1855: 220 (emend.)  
*urticana* Denis & Schiffermüller, 1775: 132  
*dischides* Diakonoff, 1978a: 3  
*threnodes* (Walsingham, 1910: 257) (comb. nov.)  
*armata* Danilevsky, 1969: 950  
*armata* forma *superba* Diakonoff, 1979: 299  
*oreina* Diakonoff, 1979: 297

*filipjevi* Danilevsky, 1969: 927  
*colchica* Danilevsky, 1969: 931  
*decolorana* Danilevsky, 1969: 931  
*Prochoreutis* Diakonoff & Heppner, 1980: 196  
*Choreutis auctorum* (nec Hübner, [1825]: 373)

*P. myllerana* group of species

*myllerana* (Fabricius, 1794: 377)  
*milleri* Haworth, [1811]: 472 (emend.)  
*angustana* Hübner, [1813]: pl. 32 fig. 204  
*urticana* Hübner, [1819]: pl. 44 fig. 273 (nec Denis & Schiffermüller, 1775)  
*scintilulana* Hübner, [1825]: 373  
*scintilulalis* Treitschke, 1835: 33 (emend.)  
*albipunctalis* Zetterstedt, [1840]: 974  
*augustana* Guenée, 1845: 191 (laps.)  
*sehestediana* (Fabricius, 1776: 293)  
*punctosa* Haworth, [1811]: 472  
*philonyma* Meyrick, 1912: 55 (**syn. nov.**)  
*phalaraspis* Meyrick, 1923: 617 (**syn. nov.**)

*P. monognoma* group of species

*monognoma* (Diakonoff, 1978a: 5)

*P. holotoxa* group of species

*ultimana* (Krulikovsky, [1909]: 275)  
*montelli* Hackman, 1947: 73 (**syn. nov.**)  
*hadrogastra* (Diakonoff, 1978a: 11)  
*holotoxa* (Meyrick, 1903: 6)  
*sibirica* Hackman, 1947: 74 (**syn. nov.**)  
*incerta* Capuse, 1970: 354 (**syn. nov.**)  
*solaris* (Erschoff, 1877: 342)  
*alpina* (Arita, 1976: 119)

*P. delicata* group of species

*arisema* (Diakonoff, 1978a: 14)  
*delicata* (Arita, 1976: 119)

*P. ussurica* group of species

*sachalinensis* (Danilevsky, 1969: 919)  
*calliclisa* Diakonoff, 1978a: 7 (**syn. nov.**)  
*ussurica* (Danilevsky, 1969: 921)  
*stellaris* (Zeller, 1847b: 642)  
*irradiata* Meyrick, 1913: 67 (**syn. nov.**)

*talyshensis* (Danilevsky, 1969: 921)

*brunescens* (Diakonoff, 1978a: 16)

*P. intermediana* group of species

*atrox* (Diakonoff, 1978a: 18)

*intermediana* (Rebel, 1910: 10)

*intermedia* Diakonoff, 1978a: 21 (laps.)

*chionocosma* (Diakonoff, 1978a: 21)

*radians* (Diakonoff, 1978a: 9)

*P. drosodoxa* group of species

*drosodoxa* (Meyrick, 1933: 370)

*P. hestiarcha* group of species

*hestiarcha* (Meyrick, 1912: 54)

*Peotyle* Diakonoff, 1978a: 23

*atmodesma* (Meyrick, 1933: 371)

*batangensis* (Caradja, 1940: 119)

*Tebenna* Billberg, 1820: 90 (nec Hübner, [1825])

*Porpe* Hübner, [1825]: 373

*Tebeuna* Danilevsky, 1969: 922 (laps.)

*caucasica* Danilevsky, 1976: 34

*bjerkandrella* (Thunberg, 1784: 24)

*cardui* Ström, 1783 (nom. reject.)

*bierkandrana* Fabricius, 1784: 236 (emend., laps.)

? *prunerella* Rossi, 1794 (nom. dubium)

*vibrana* Hübner, [1813]: pl. 32 fig. 202

*fibrana* Hübner, [1825]: 373 (laps.)

*vibralis* Treitschke, 1835: 33 (emend.)

*kawabei* Arita, 1975: 301 (**syn. nov.**)

*bjerkandrella pretiosana* (Duponchel, 1842) (var., status nov.)

*vibralis* var. *australis* (Zeller, 1847b: 643)

*micalis* (Mann, 1857: 181)

*isshikii* Matsumura, 1931: 1078 (**syn. nov.**)

*bradleyi* Clarke, 1971: 168 (**syn. nov.**)

*submicalis* Danilevsky, 1969: 923

*chodzhajevi* (Gerasimov, 1930: 30)

*chingana* Danilevsky, 1969: 922

*Choreutis* Hübner, [1825]: 373

*Hemerophila* Hübner, [1806]: 31 (nom. reject.)

*Eutromula* Frölich, 1828: 11

*Choreutes* Treitschke, 1835: 31 (emend.)

*Macropia* O. G. Costa, [1836]: [196] (nec Malloch, 1930)

*Entomoloma* Ragonot, 1875: 45

*Orchemia* Fernald, 1900: 238 (nec Guenée, 1845)

*Hemerophila* Fernald, 1900: 238 (nec Hübner, 1806, nec Hübner, 1817, nec Stephens, 1829)

*Choreutidia* Sauber, 1902: 702

*Allononyma* Busck, 1904: 745

*Allonyma* Fracker, 1915: 77 (laps.)

*Allomyia* Fergusson, 1975: 41 (laps.)

*Asterophaga* Horning & Greenwood, 1977: 294 (nom. nud.)

*Asterivora* Dugdale, 1979: 461 (**syn. nov.**)

*C. basalis* group of species

*minuta* (Diakonoff & Arita, 1979a: 10)

*xanthogramma* (Meyrick, 1912: 42)

*basalis* (Felder & Rogenhofer, 1875: 18)

*chionodesma* Lower, 1896: 167

*C. ophiosema* group of species

*ophiosema* (Lower, 1896: 167)

*C. sexfasciella* group of species

*sexfasciella* (Sauber, 1902: 702)

*fulminea* Meyrick, 1912: 48 (**syn. nov.**)

*C. amethystodes* group of species

*amethystodes* (Meyrick, 1914: 57)

*cyanogramma* (Diakonoff & Arita, 1979a: 15)

*C. japonica* group of species

*japonica* (Zeller, 1877: 178)

*cunuligera* (Diakonoff, 1978b: 205)

*C. ialeura* group of species

*yakushimensis* (Marumo, 1923: 198)

*ialeura* (Meyrick, 1912: 46)

**caradjai** spec. nov.

*achyrodes* (Meyrick, 1912: 46)

*albofascialis* Marumo, 1923: 199

*kochiensis* Matsumura, 1931: 1080

*diana* (Hübner, [1822]: pl. 44 fig. 247)

- dianalis* Treitschke, 1835: 31 (emend.)  
*decorana* Zetterstedt, [1840]: 982  
*luridana* Walker, 1863: 318  
*vicarialis* Zeller, 1875: 322  
*bathysema* (Diakonoff, 1978a: 25)  
*mesolyma* (Diakonoff, 1978a: 27)

*C. pariana* group of species

- aegyptiaca* (Zeller, 1867: 461)  
*hypocroca* Diakonoff, 1978a: 23 (syn. nov.)  
*pariana* (Clerck, 1759: pl. 10 fig. 9)  
*lutosa* Haworth, [1811]: 472  
*parialis* Treitschke, 1829: 159 (emend.)  
*atrosignata* (Christoph, 1888: 311)  
*moiwana* Matsumura, 1931: 1080  
*ussuriensis* Danilevsky, 1973: 15  
*atrosignata sinica* subsp. nov.  
*vinosa* (Diakonoff, 1978b: 202)  
*vinosa discolor* (Diakonoff & Arita, 1979: 29 (subsp.))  
*pariana* Matsumura, 1931: 1080 (nec Clerck, 1759)  
*montana* (Danilevsky, 1973: 16)

*C. nemorana* group of species

- hyligenes* (Butler, 1879: 80)  
*nemorana* (Hübner, [1799]: pl. 1 fig. 3)  
*nemoratalis* Treitschke, 1829: 158  
*incisalis* Treitschke, 1829: 157.  
*sandaracina* (Meyrick, 1907: 748)

*C. antiptila* group of species

- antiptila* (Meyrick, 1912: 56)

- IMMOIDEA Heppner, 1977: 131  
IMMIDAE Heppner, 1977: 131  
*Alampla* Diakonoff, 1978a: 36  
*palaeodes* (Meyrick, 1914: 57)  
*cretostrigalis* Caradja, 1925: 372  
*arcifraga* (Meyrick, 1914: 57)  
*Imma* Walker, [1859]: 159

The following list of surmised synonyms has been compiled by Meyrick in his 1906 revision of the genus *Imma*. This list is given for completeness' sake. In the meantime a synopsis of the family Immidae has been published by Heppner (1982b).



- Pingrasa* Walker, [1859]: 266  
*Tortricomorpha* Felder, 1861: 34  
*Moca* Walker, 1863: 170  
*Adricara* Walker, 1863: 114  
*Topaza* Walker, 1864: 808  
*Birhana* Walker, [1865]: 415  
*Alicadra* Walker, [1866]: 114  
*Vinsela* Walker, [1866]: 1260  
*Jobula* Walker, 1866: 1888  
*Methypsa* Butler, 1875: 324  
*Bursadella* Snellen, [1880]: 83  
*Thylacopleura* Meyrick, 1886: 284  
*Davendra* Moore, 1887: 520  
*Callartona* Hampson, 1893: 233  
*Scaptesylix* Hampson, 1896: 283  
*Sthenistis* Hampson, 1896: 541  
*Hyperperissa* Walsingham, 1900: 546  
*Pseudotortrix* Turner, 1900: 15  
*caelestis* Meyrick, 1906b: 182  
*auxobathra* Meyrick, 1906b: 188  
*monocosma* Diakonoff & Arita, 1979: 37  
*torophracta* Meyrick, 1935: 86  
     *hoenei* Caradja, 1938: 252  
*flammula* Diakonoff, 1978a: 40  
*tetropae* (Diakonoff, 1978a: 38) (comb. nov.)
- YPONOMEUTOIDEA** Stephens, 1829: 48  
**GLYPHIPTERYGIDAE** Stainton, 1859: 169  
     Aechmidae Bruand, 1850: 48  
     Glyphipterygidae Stainton, 1859: 169  
*Lepidotarphius* Pryer, 1877: 235  
     *Desmidoloma* Erschoff, 1892: 672  
*perornatellus* (Walker, 1864: 840)  
     *splendens* Pryer, 1877: 235  
     *fulgens* Erschoff, 1892: 347 (subsp.)  
     *perornatellus fulgens* (Erschoff, 1877: 347) (subsp., status nov.)  
*Carmentina* Meyrick, 1930: 597  
     *Metapodistis* Meyrick, 1933: 372  
*molybdotoma* (Diakonoff & Arita, 1979: 93)  
*perculata* (Diakonoff, 1979: 300)

*Chrysocentris* Meyrick, 1914: 284  
*ditiorana* (Walker, 1863: 348)  
*Glyphipterix* Hübner, [1825]: 421  
*Heribeia* Stephens, 1829: 49  
*Aechmia* Treitschke, 1833: 69  
*Glyphipteryx* Zeller, 1839: 203 (nec Curtis, 1827) (emend.)  
*Anacampsoides* Bruand, 1850: 32

*G. amseli* group of species

*amseli* Diakonoff, 1978a: 45

*G. semilunaris* group of species

*semilunaris* E. Wollaston, 1879: 436

*G. thrasonella* group of species

*loricatella* (Treitschke, 1833: 70)  
*thrasonella* (Scopoli, 1763: 253)  
*klemannella* Fabricius, 1781: 304, nec 509 (**syn. nov.**)  
*fueslella* Fabricius, 1787: 250  
*fyeslella* Fabricius, 1794: 318 (laps.)  
*ahornerella* Hübner, 1796: pl. 26 fig. 178  
*sepella* Hübner, 1796: pl. 32 fig. 235  
*aillyella* Hübner, 1796: pl. 64 fig. 431  
*triguttella* Donovan, 1804: pl. 382 fig. 1  
*fueslii* Haworth, 1828: 531 (emend.)  
*equitella* Treitschke, 1833: 71 (nec Scopoli, 1763 (err. identif.))  
*poeyella* Duponchel, 1838: 438  
*cladiella* Stainton, 1859: 364  
*eyndhoveniella* Snellen, 1882: 752 (var.)  
*albardella* Snellen, 1882: 752 (var.)  
*nitens* Bankes, 1907: 204 (aberr.)  
*struvei* Amsel, 1938: 113 (forma, status nov.)  
*bifasciella* Amsel, 1959: 61  
*nigromarginata* Issiki, 1930: 426  
*suzukii* Matsumura, 1931: 1079  
*bergstraesserella* (Fabricius, 1781: 302)  
*linneella* Linnaeus, 1790: 421 (err. ident.)  
*lineana* Hübner, [1799]: pl. 14 fig. 84 (err. ident.)  
*treitschkeana* Frölich, 1828: 76  
*pietruskii* Novicki, 1864: 22 (**syn. nov.**)  
*arcuatella* Klemensiewicz, 1907: 19  
*altiorella* Bauer, 1923: 167 (**syn. nov.**)

*bergstraesserella pietruskii* Novicki, 1864: 22 (forma)  
*nicaeella* Möschler, 1866: 146  
*altiorella* Weber, 1945: 369 (nec Bauer, 1923) (err. ident.)  
*argyrogetella* Ragonot, 1885: lvi  
*pauperella* Ragonot, 1885: lvi (ab.)  
*fuscoviridella* (Haworth, 1828: 569)  
*albicostella* Duponchel, 1838: 397  
*aereinitidella* Millière, 1854: 60

*G. danilevskii* group of species

*danilevskii* Diakonoff, 1978a: 49

*G. speculiferella* group of species

*magnatella* Erschoff, 1877: 346

*speculiferella* Christoph, 1882: 37

*G. japonicella* group of species

*japonicella* Zeller, 1877: 400

*gemmula* Diakonoff & Arita, 1976: 194

*deliciosa* Diakonoff, 1978a: 55

*G. gaudialis* group of species

*gaudialis* Diakonoff & Arita, 1976: 198

*G. delta* group of species

*maritima* Diakonoff, 1979: 303

*rhinocerope* Meyrick, 1935: 86

*delta* Moriuti & Saito, 1964: 62

*G. basifasciata* group of species

*funditrix* Diakonoff & Arita, 1976: 211

*basifasciata* Issiki, 1930: 427

*jezonica* Matsumura, 1931: 1079

*carenota* Meyrick, 1909: 431

*G. simplicella* group of species

*euleucotoma* Diakonoff & Arita, 1976: 208

*gamma* Moriuti & Saito, 1964: 62

*simplicella* Christoph, 1882: 38

*G. semiflavana* group of species

*macrodrachma* Diakonoff, 1979: 305

*alpha* Moriuti & Saito, 1964: 61

*beta* Moriuti & Saito, 1964: 61

*japonicella* Matsumura, 1931: 1079 (nec Zeller, 1877)  
*ametris* Diakonoff, 1979: 307  
*semiflavana* Issiki, 1930: 426  
*dolichophyes* Diakonoff, 1978a: 50  
*xyridota* Meyrick, 1935: 87 (err. ident.)  
*oxydonta* Diakonoff, 1979: 57 (**syn. nov.**)  
*octotoma* Diakonoff, 1978a: 48  
*luteomaculata* Arita, 1979: 79

*G. chionosoma* group of species

*chionosoma* Diakonoff, 1978a: 54  
*melania* Diakonoff & Arita, 1976: 213  
*trigonodes* Arita, 1979: 79  
*imparfasciata* Arita, 1979: 77

*G. okui* group of species

*okui* Diakonoff & Arita, 1976: 206  
*regula* Diakonoff & Arita, 1976: 202

*G. equitella* group of species

*gianelliella* Ragonot, 1885: lvi  
*equitella* (Scopoli, 1763: 254) (status nov.)  
*majorella* Von Heinemann & Wocke, 1876: 397  
*zermattensis* Amsel, 1933: 20 (**syn. nov.**)  
*sexgutella* Von Toll, 1936: 404 (**syn. nov.**)  
*minorella* Snellen, 1882: 753 (var.) (status nov.)  
*crassilunella* Rebel, 1916: 157 (var.) (status nov.)  
*umbilici* Hering, 1927: 431  
*talhouki* Diakonoff, 1978a: 61 (**syn. nov.**)  
*pertenuis* Diakonoff, 1979: 306  
*persica* Diakonoff, 1979: 309  
*heptaglyphella* Le Marchand, 1925: 314  
*sulcosa* Diakonoff, 1978a: 58

*G. haworthana* group of species

*haworthana* (Stephens, 1834: 262)  
*zonella* Zetterstedt, [1840]: 1009  
*schultzella* Amsel, 1949: 88 (forma)  
*forsterella* (Fabricius, 1781: 509)  
*humerella* (Hübner, 1805: pl. 42 fig. 292)  
*lucasella* Duponchel, 1838: 440  
*oculatella* Zeller, 1850: 157

*albimaculella* Von Heinemann, 1876: 397 (forma)

*nivicaput* Diakonoff, 1979: 311 (forma)

*G. diaphora* group of species

*diaphora* Walsingham, 1894: 258

*longistriatella* Rebel, 1940: 37 (**syn. nov.**)

*G. simpliciella* group of species

*pygmaeella* Rebel, 1896: 132

*simpliciella* Stephens, 1834: 263

*conjunctella* O. G. Costa, 1834a: 5

*colluripenella* O. G. Costa, 1834b: [301]

*cognatella* Stephens, 1834: 261

*aechmiella* Duponchel, 1838: 533 (**syn. nov.**)

*fischeriella* Zeller, 1839: 204

*roeslerstammella* Fischer von Roeslerstamm, 1841: 242

*desiderella* Fischer von Roeslerstamm, 1841: 242

*desideratella* Duponchel, 1842: 322

? *nattani* Gozmáni, 1954: 277

*schoenicolella* Boyd, 1859: 144

*fortunatella* Walsingham, 1908: 989

APPENDIX

***Choreutis caradjai* spec. nov.**

(fig. 1)

Description. — ♂ 11.5 mm. Head pale tawny. Antenna brownish, with narrow pale bands, ciliations over I. Palpus pale tawny, dusted with white, rather short, median segment with a slight tuft below towards apex, terminal segment with a dark fuscous tip. Thorax fuscous. Abdomen grey. Posterior tibia normal.

Fore wing rather short, triangularly dilated, costa strongly arched throughout apex rectangular, termen long, little oblique, twice gently sinuate: slightly rounded and prominent just above middle, gently concave above and below prominence. Light tawny-fulvous, costal edge suffused with blackish, along posterior half suffusion slightly extended over wing; small oblong whitish marginal spots along extreme costal edge, first at 1/3, following four almost equidistant along posterior third; indication of a darker moderate rectangular spot on middle of costa; apex and termen suffused with deeper chestnut colour. Cilia fuscous, with a narrow pale basal line.



Fig. 1. *Choreutis caradjai* spec. nov., nov., genitalia of holotype.

Hind wing fuscous-bronze, with a reddish-purple gloss, colour becoming deeper towards apex. Cilia light fuscous, with a darker basal half and a fine pale basal line.

Male genitalia. Tegumen short, triangular; sclerotic anal tube long, slender, narrowed. Socii, a single row of thin hairs on each side, weak and of diverse size. Vinculum very strong and broad, with a twice arched outer edge. Anellus darkly sclerotic, a moderate, subtruncate cone, posterior edge with a triangular ventral lobe and quadrate lateral lobe short, base with a ventral rectangular sclerite with a round central hole. Valva sclerotic, large, sacculus very broad and rolled at base, roll narrowing posterad, reaching to middle; spines of colliculum rather weak, moderate, in a dense narrow patch, from beyond rolled edge; disc of valva with an oblique weak stripe, separating weaker basal, from heavier apical half of valva; top of valva gradually rounded, with dense, appressed, rather stout spines, quickly becoming smaller towards margin. Aedeagus rather small, basal opening reaching to middle, apical half of aedeagus quickly narrowed towards a simple, pointed top.

Distribution and material. — China, Province N. Yunnan, Li-Kiang, 9.iii.1935 (H. Höne), 1 ♂, holotype, genitalia slide 10240. Museum of Natural History "Grigore Antipa", Bucarest.

Remarks. — The unique specimen is slightly rubbed, but distinct by the shape of the fore wing, the simple markings and chiefly, by the genitalia: the strongly sclerotic anellus, the rolled valva and the wide accolade-shaped vinculum. The species belongs to the group of *Choreutis ialeura* (Meyrick). From the last mentioned species it differs by lighter tawny and stronger dilated fore wings, without a distinct transverse fascia, and especially by the male genitalia (cf. fig. 1).

#### ***Choreutis atrosignata sinica* subsp. nov.**

Description. — ♂ ♀ 13–14 mm. Much paler, with the dark costal patch obliterate, with a slightly marbled, grey basal patch, edged by a zigzag, serrate dark purple line, slightly inwards-oblique and narrowed downwards; beyond this ground colour pale grey, with a contrasting dark, purplish transverse fascia just before middle, spindle-shaped, edges suffused, a posterior prominence above middle; posterior half of wing pale grey, with two black spots on costa and a strongly suffused, excurved darker grey, but little distinct subterminal fascia, inwards-concave above. Cilia light grey, with a darker basal and an apical band.

Hind wing fuscous, lighter in centre, darker along posterior fourth. Cilia

whitish-grey, with a purplish basal and an incomplete and suffused grey or purplish median band.

Male and female genitalia identical to those of the nominate species.

Distribution and material. — China, vicinity of Peking (C.L. Liu), 1 ♂, holotype, genit. slide 10053; the same, 1 ♂, (allotype, genit. slide 9804; 1 ♀, paratype). The females are darker, with less contrasting markings. Museum of the Cornell University, Ithaca, New York, and RMNH.

Remarks. — The subspecies differs from the nominate form by being much paler, without the dark costal patch before the apex, but with the dark median fascia pronounced instead.

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