

**Tiger-moths of Eurasia**

(Lepidoptera, Arctiinae)

by

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(Nyctemerini by ROB DE VOS &amp; VLADIMIR V. DUBATOLOV)

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**Introduction:** Tiger-moths (Arctiinae) are one of the best studied moth subfamilies in the world. The catalogues of the American (FRANCLEMONT, 1983; FERGUSON & OPLER, 2007; WATSON & GOODGER, 1986), African (GOODGER & WATSON, 1995) and Australian (EDWARDS, 1996) species were published during the last 30 years. Nevertheless, there are no such lists for the Palearctic and Oriental tiger-moths till now. However, some vast territories of these zoogeographical regions have been studied well enough. They are: Western Europe and North-West Africa (DE FREINA & WITT, 1987), the territory of the former USSR (Russia and the neighboring countries) (DUBATOLOV, 1996d; MURZIN, 2003) and China (FANG, 1982b, 1985, 2000). Only few countries, neighboring to the former USSR, have been studied carefully, they are: Turkey (DE FREINA, 1979, 1981, 1983, 1999a), Iraq (WILTSHIRE, 1957), Iran (DUBATOLOV, ZAHIRI, 2005; DE FREINA, 2007), Korea (BRYK, 1949; KISHIDA & INOMATA, 1981; WITT, 1980b, 1985; NAM, 1985; PRZYBYLOWICZ, PARK, 2001; CHOI, 2004), Japan (INOUE, 1982). Information about tiger-moths from some countries was diffused in many small articles; such countries are: Afghanistan (KOTZSCH, 1939; WILTSHIRE, 1961; DANIEL, 1965b, 1966, 1971; LENEK, 1966; EBERT, 1973, 1974; BENDER & NAUMANN, 1980; DE FREINA, 1982; THOMAS, 1984), Mongolia (STAUDINGER, 1895, 1897; STAUDINGER & REBEL, 1900; A. BANG-HAAS, 1912; DANIEL, 1965a, 1967, 1968, 1970a; ALBERTI, 1971; GROSSER, 1982; DUBATOLOV, 1982, 1990c, 2004a; ZOLOTUHIN, 1994). The Indian subcontinent and Indochina are less studied. After a comprehensive study by English lepidopterologists (COTES & SWINHOE, 1887; HAMPSON, 1893, 1894, 1901, 1910, 1920), many of later new taxa descriptions and geographical reviews by Indian and Pakistan specialists (like NARGIS VIQAR, 2004) look to introduce synonyms or contain incorrect determinations. The most careful studies concerning tiger-moths are following: reviews by ARORA & CHAUDHURY (1982) on Arunachal Pradesh and ARORA (1983) on Andaman and Nicobar Islands. On the other hand, a nice series concerning moths of Nepal, with Arctiinae part by KISHIDA (1992, 1994b, 1995, 1998), looks to be a careful study, although it contains few incorrect determinations. Tiger-moths from Indochina are still poorly studied (CANDÈZE, 1927), only the work by ČERNÝ & PINRATANA (2009) about Thailand is best qualitative. Arctiinae from different Sundaland islands were studied unevenly, but the most careful and useful is the work by HOLLOWAY (1988) on the tiger-moths of Borneo. There are many articles concerning Sumatra, Java, Lesser Sundaland, but they contain only new species descriptions or generic reviews. The Philippines are also not comprehensively studied, the monograph on Lepidoptera of this country (SEMPER, 1899) is too old, and all modern articles contain new descriptions only. The most correct information concerning distribution of some Oriental tiger-moths is provided in articles by DE VOS (2002, 2007; DE VOS & ČERNÝ, 1999) but it concerns only Nyctemerini species. The best atlases with color figures of the tiger-moth from Eurasia are: HAMPSON (1901, 1920), SEITZ (1910, 1915), ROTHSCHILD (1914), DRAUDT (1931), DE FREINA & WITT (1987), MURZIN (2003), KISHIDA (2004a, 2004b, 2008).

The following Catalogue contains the full species check-list of tiger-moths from Eurasia (within the Palearctic and Oriental Zoogeographical Regions, excluding Africa, as well as its Palearctic part), west of the Wallace Line. I added taxa from Lesser Sundaland situated east of this line (Lombok, Flores, Sumba, Sumbawa), because they are well studied. On the other hand, I did not included all taxa from Sulawesi, Moluccas and New Guinea since tiger-moths from these islands are not enough studied yet. Occasionally introduced species are not included unless permanent populations have been formed. Synonymy and all taxa based on extraeurasian material are not included into this Catalogue. Intrasubspecific names are also not cited; only few of them are mentioned if later they were transformed into subspecific names. The Nyctemerini part is prepared together with ROB DE VOS.

Information of geographical distribution was taken mainly from original descriptions and reviews mentioned above, other records are marked. The system of the subfamily is mainly original, first published only in Russian (DUBATOLOV, 1990c, 1996d). MURZIN (2003) accepted this system. The order of genera in this Catalogue was based on phylogenetic studies (JACOBSON, WELLER, 2002; DA COSTA, WELLER, 2005; DUBATOLOV, 2006a, 2007a, 2008b, 2009).

The distributional maps are based on vast tiger-moth data that I obtained during my life, mainly on collections of the Zoological Institute (St.-Petersburg, Russia), Siberian Zoological Museum of the Institute of Systematics and Ecology of Animals (Novosibirsk, Russia), the Zoological Museum of Moscow State University (Moscow, Russia), the Institute of Biology and Pedology (Vladivostok, Russia), the Yakutian Institute of Biology (Yakutsk, Sakha-Yakutia, Russia), the Zoological Museum of Kiev State University (Kiev, Ukraine), many private collections, and from various literature.

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## Tiger-moths (Lepidoptera, Arctiinae) of Eurasia

### Arctiidae

#### Arctiinae

#### **Euchaetini** (= *Euchaetes clade* sensu JACOBSON & WELLER, 2002)

Type genus: *Euchaetes* HARRIS, 1841

#### ***Pareuchaetes*** GROTE, 1865; Proc. Ent. Soc. Philad. 5: 245.

Type species: *Pareuchaetes cadaverosa* GROTE, 1865, *ibid.* 5: 245, by subsequent designation by KIRBY, 1892; Synonymic Cat.

Lepid. Heterocera 1: 237.

*Pareuchaetes pseudoinsulata* REGO BARROS, 1956, Revta. Bras. Ent. 6: 79-83, fig. 6 (p. 68), 40-53. Type locality: "Venezuela, Caracas". Venezuela, Trinidad. Introduced into some Asian countries: Sri Lanka, Thailand, Borneo (Indonesia), Palawan (Philippines), Guam (HOLLOWAY, 1988).

#### **Amerilini** (=Rhodogastrini sensu KIRIAKOFF, 1950)

Type genus: *Amerila* WALKER, 1855

#### ***Amerila*** WALKER, 1855; List Spec. lep. Ins. Colln Br. Mus. 3: 725.

Type species: *Sphinx astreus* DRURY, 1773, by subsequent designation by HAMPSON, 1900a; Ann. S. Afr. Mus. 2: 60 (cited as *astreus*). = *Rhodogastria* auct.

*Amerila abdominalis* (ROTHSCHILD, 1933); Ann. Mag. Nat. Hist. (10) 11: 192 (Rhodogastrina). Type locality: "... at sea, Straits of Malacca" [Malaysia, Singapore or Indonesia]. Indonesia; Malaysia.

*Amerila arthusibertrandi* (GUÉRIN-MÉNEVILLE, 1830); Voy. Coquille Atlas Lépid.: t. 19, f. 5 (*Lithosia* ARTHUS BERTRAND). Type locality: Offak [Indonesia, Irian Jaya].

= *Rhodogastria roseibarba* (DRUCE, 1901); Ann. Mag. Nat. Hist. (7) 7: 74. Type locality: "Sooloo Islands" [Sulu Archipelago, Philippines]. Synonymy following: HAMPSON (1920), ROTHCHILD (1914), HÄUSER (1993).

Philippines: Sulu; eastern Indonesia: Sulawesi, Aru, Irian Jaya; New Guinea.

Note: a record from Assam (SINGH & SINGH, 1999) belongs to *A. omissa* ROTHCHILD.

*Amerila astreus* (DRURY, 1773); Ill. nat. Hist. Exot. Insects 2: index, pl. 28, f. 4 (*Sph.[inx] ... Astreus*) Type locality: "Bengal" [India/Bangladesh].

= *Phalaena melanthus* CRAMER, 1780; Utitl. Kapellen (Pap. Exot.) 3: 166-167, t. 286, f. B ([*Phalaena*] *Melanthus*). Type locality: "Ceylon" [Sri Lanka].

= *Rhodogastria astreus hainana* ROTHCHILD, 1910, Novit. Zool. 17 (2): 185. Type locality: "Cheng-Mai, Hainan, ...". Lectotype as a type from China, Hainan, Chang-mai designated by HAMPSON (1920: 526).

= *astrea* auct. Pakistan (NARGIS VIQAR, 2004); Sri Lanka; India: Maharashtra, Tamil Nadu, Arunachal Pradesh (ARORA & CHAUDHURY, 1982); Nepal; China: Sichuan, Yunnan, Guangdong, Hainan, Guangxi; Taiwan; Burma (Myanmar); Indochina; Philippines; Indonesia; New Guinea.

*A. astreus curtisi* (ROTHSCHILD, 1910); Novit. Zool. 17: 185 (*Rhodogastria astreus curtisi*). Type locality: "Penang" [=Pinang, Malaysia].

= [*Rhodogastria astreus*] *dohertyi* ROTHCHILD, 1914; in SEITZ, Gross-Schmett. Erde 10: 261. Type locality: "Insel Bali" [Indonesia]. Sundaland (HOLLOWAY, 1988).

*Amerila eugenia* (FABRICIUS, 1794); Ent. Syst. 3 (2): 19-20 (N[octua] ... Eugenia). Type locality: "India".

= *Rhodogastra fraterna* MOORE, 1884; Trans. Ent. Soc. London 1884: 356. Type locality: "Bombay" [India: Mumbai].

Pakistan: Karachi (COTES & SWINHOE, 1889); Sri Lanka; central and southern India; China: eastern Tibet (FANG, 1985).

*A. eugenia moorei* (ROTHSCHILD, 1914); in: SEITZ, Gross-Schmett. Erde 10: 261 ([*Rhodogastria eugenia*] *moorei*). Type locality: "Ceylon" [Sri Lanka] (endemic).

*Amerila lactea* (ROTHSCHILD, 1910); Novit. Zool. 17 (2): 185-186 (Rhodogastrina). Type locality: "Minbu, Burma" [Myanmar: Magwe]. Nepal; Burma (Myanmar).

*Amerila omissa* (ROTHSCHILD, 1910); Novit. Zool. 17 (2): 184-185; 18: pl. 5, f. 11, 12 (*Rhodogastrina*). Type locality: "Khasia Hills, Assam" [India: Meghalaya].

India: North-Western Himalayas, Assam (SINGH & SINGH, 1998, as *A. artusibertrandi* GUÉR.-MÉN.), Meghalaya; China: Yunnan; Indochina; Sundaland (Sumatra, Borneo).

*Amerila rhodopa* WALKER, 1864; List Spec. lep. Ins. Colln. Br. Mus. 31: 305. Type locality: "South Hindostan" [India].

India: Sikkim, Nagaland, southern India.

*Amerila vitrea* PLÖTZ, 1880; STETT. ENT. Z. **41**: 84 (*Amerila Vitrea*). Type locality: „Eningo“ [West Africa]. South-western Arabia (WILTSHIRE, 1980); the whole Afrotropics, including Madagascar.

### Callimorphini

Type genus: *Callimorpha* LATREILLE, 1809

*Calpenia* MOORE, 1872; Proc. Zool. Soc. London **1872**: 571.

Type species: *Calpenia saundersi* MOORE, 1872, by monotypy.

*Calpenia saundersi* MOORE, 1872; Proc. Zool. Soc. London **1872**: 571, t. 33, fig. 1. Type locality: “India” [Sikkim?] (WATSON et al., 1980). Eastern India; China: Yunnan; northern Indochina (Map 1).

Subgenus *Sebastia* KIRBY, 1892; Syn. Cat. Lep. Het. **1**: 383, replaced name for *Grotea* MOORE, 1866.

=*Grotea* MOORE, 1866; Proc. Zool. Soc. London **1865**: 797, nec *Grotea* CRESSON, 1864; Proc. Ent. Soc. Philad. **3**: 397 (Hymenoptera).

Type species: *Grotea elegans* MOORE, 1866, by monotypy.

=*Moorea* HAMPSON, 1894; Fauna Br. India (Moths) **2**: vi, 2, 32, replaced name for *Grotea* MOORE, 1866.

*Calpenia (Sebastia) argus* (WALKER, 1862b); Trans. Ent. Soc. London (3) **1**: 73-74 (*Hypercompa Argus*). Type locality: “Hindostan” [India].

=*Grotea elegans* MOORE, 1866; Proc. Zool. Soc. London **1865**: 797, pl. 43, fig. 1. Type locality: “N.E. Bengal” [India].

Eastern India; Bangladesh?; China: Yunnan.

*Nikaea* MOORE, 1879, in: HEWITSON & MOORE, Descr. new Indian lep. Ins. Colln late Mr. W. S. ATKINSON (**1**): 11.

Type species: *Hypercompa longipennis* WALKER, 1855, by monotypy.

*Nikaea longipennis* (WALKER, 1855); List Spec. lep. Ins. Colln Br. Mus. **3**: 655-656 (*Hypercompa*). Type locality: “Silhet” [Bangladesh].

Bangladesh?; India: Uttar Pradesh (Kumaon), Sikkim, Assam; Nepal; China: Sichuan, Yunnan, Shaanxi, Hubei, Jiangxi, Zhejiang, Fujian (Map 2).

*Nikaea matsumurai* KISHIDA, 1983; Japan Heterocerist's J. **123**: 362. Replaced name for *Nikaea longipennis formosana* MATSUMURA, 1930, nec *Nicaea formosana* MIYAKE, 1907, Annot. zool. jap. **6**: 80-81 (*Aglaomorpha histrio formosana*).

=*Nikaea longipennis formosana* MATSUMURA, 1930, Ins. Matsum. **5**: 36, 63, t. 1, fig. 9. Type locality: “Formosa... Horisha” [Taiwan].

Taiwan; Japan: Ryukyu (Ishigaki, Iriomote) (Map 2).

*Kishidaria* DUBATOLOV, 2004; Atalanta **35** (1/2): 73-78.

Type species: *Calpenia khasiana* MOORE, 1878, by original designation.

*Kishidaria khasiana* (MOORE, 1878); Proc. Zool. Soc. London **1878**: 5-6 (*Calpenia*). Type locality: “Khasia hills” [India: Meghalaya].

Eastern India; China: Yunnan; northern Indochina (Thailand, Vietnam) (Map 3).

*Kishidaria siniaevi* (WITT & SPEIDEL, 2006) **comb. nov.**; Entomofauna **27** (2): 38-39, Abb. 2, 4, 6, 8, (*Calpenia*). Type locality: “China - Jiangxi, Wuyi Shan, Xipaihe ... H= 1500 m, 27°54'N, 117°20'E”. China: Guizhou, Jiangxi, Fujian (Map 4).

Note: formerly known as continental specimens of *K. takamukui* MTSM. However, it might be no more than a subspecies of the following species, because differences in the wing pattern and the genital morphology are very small and better expressed in the vesica structure only.

*Kishidaria takamukui* (MATSUMURA, 1930); Ins. Matsum. **5**: 32 (*Calpenia*). Type locality: “Formosa ... Horisha” [Taiwan] (Map 4).

*Kishidaria zerenaria* (OBERTHÜR, 1886); Ét. d'Et. **11**: 30, t. 3, f. 17 (*Euprepia Zerenaria*) Type locality: “de Chine”.

China: Tibet, Sichuan, Yunnan, Hubei, Hunan, Zhejiang (Map 5).

*Callimorpha* LATREILLE, 1809; Genera Crust. Insect. **4**: 220.

Type species: *Phalaena dominula* LINNAEUS, 1758, by subsequent designation by DESMAREST (1857), in: CHENU, Encycl. Hist. nat. (Papillons nocturnes): 33.

=*Panaxia* TAMS, 1939, Entomologist **72**: 73. Type species: *Phalaena dominula* LINNAEUS, 1758, by original designation.

*Callimorpha dominula* (LINNAEUS, 1758); Syst. Nat. (Edn. 10) **1**: 509 ([*Phalæna Noctua*] *Dominula*). Type locality: not stated, probably Europe (WATSON et al., 1980). Lectotype designation by MIKKOLA & HONEY (1993: 126).

=*Bombyx domina* HÜBNER, [1800-03]; Samml. Europ. Schmett. Lep. **3**, Bomb.: t.27, f. 117-118, [1803-08]: t. 52, f. 223. Type locality: not stated, probably Augsburg vic. [Germany].

=*Callimorpha dominula insubrica* WACKERZAPP, 1890; Stettin. Ent. Z. **51**: [215]-216, 221. Type locality: “Val Vedro” [Simplon, Switzerland].

=*Panaxia dominula rhodanica* KETTLEWELL, 1943a; Proceedings of the South London Entomological and Nat. Hist. Society. Part **1**: 25-26, pl. 3, f. 2. Type locality: “In Valais, Switzerland, along the valley of the Rhone”.

Central and Southern Europe (excluding Iberian peninsula); southern England; southern Scandinavia; Baltia; Belarus; Ukraine, Crimea; Moldova; European Russia, north to southern Carelia (KAISILA, 1947), Upper Volga, east to southern Bashkiria, Caucasus; Transcaucasia; Turkey; Iraq; northern Iran; southern Turkmenistan (Map 6).

*C. dominula kurdistanica* THOMAS, 1983; Ent. Z. **93** (8): 107-110. Type locality: “Türkei, Hakkari, vic. Üzümcü, 1200-1400 m”. South-eastern Turkey; probably also northern Iraq.

*C. dominula lusitanica* STAUDINGER, 1894; Dt. Ent. Z. Iris **7**: 255-256 (*Callimorpha dominula* L. var. *lusitanica*). Type locality: “nördlichen Portugal (bei Geres)”.

=*Callimorpha dominula* L. var. (ab.?) *bieli* STAUDINGER, 1894; Dt. Ent. Zeit. Iris **7**: 255-256. Type locality: “nördlichen Portugal (bei Geres)”. Iberian peninsula: Portugal. Note: The subspecies is characterized by entirely yellow spots on the forewings; hindwings are yellow in the typical form, and rose in ab. *bieli* STGR.

- C. dominula persona** (HÜBNER, 1790); Beitr. Gesch. Schmett. **2** (4): 97-98, 128, t. 4, f. 5 (*Ph.[alaena] Bomb.[y:x] persona*). Type locality: "Gegend um Neapel" [province of Napoli, Campania, Italy].  
 = *Phalaen.[a] donna* ESPER, 1786; Schmett. Abb. nach der Natur **4**: 184, t. 180, f. 1. Type locality: "Italienische... Neapel" [Napoli, Italy].  
 = *Callimorpha donna* COSTA, 1842; Ann. Soc. Ent. Fr. **11**: 239-241, t. 9, fig. 7, 8. Type locality: "environs de Naples" [Napoli, Italy].  
 = *Callimorpha dominula italica* STANDFUSS, 1884; Corr.bl. Ent. Ver. Iris **1**: 26, t.1, f.9. Type locality: "in gewissen Gegenden Piemont's" [Italy].  
 = *Callimorpha dominula majellica* DANNEHL, 1929; Mitt. Münch. Ent. Ges. **19**: 101. Type locality: "Val Sagittario. 1000 bis 2300 m" [Abruzzi, Italy]. Europe: Italy south of the Alps, excluding Piedmont and southern Alpine valleys (DE FREINA & WITT, 1987).
- C. dominula philippsi** BARTEL, 1906; Soc. Ent. **21** (6): 41-42 (*Callimorpha Philippsi*), figured by PHILIPPS, 1912: Taf. VII, Fig. 9. Type locality: "Russisch-Turkmenien (Kuschk)" [Turkmenistan].  
 = *Callimorpha dominula persica* LE CERF, 1913; Ann. Hist. Nat. Perse Ent. **2**: 82-83, t. 1, f. 10. Type locality: "Perse septentrionale, Serdeb-e-Bala, Ghilan [900 mètr. alt.]" [Iran]. Azerbaijan (Talysh); northern Iran.  
 Note: There exists no modern material from Turkmenistan (DARICHEVA & DUBATOLOV, 1989).
- C. dominula pompalis** NITSCHKE, [1926]; Verh. zool.-bot. Ges. Wien **74/75**: (65) (*Callimorpha dominula* var. *pompalis*). Type locality: "Waidbruck" [South Tirol].  
 = [*Callimorpha dominula*] *subalpina* DANNEHL, 1928; Ent. Z. **42**: 131. Type locality: "in den Tälern: Unteres Villnös, Gröden, Eisack-, Tierser-, Eggen-, Sarntal, Ausgang des Ultentals (Gaulschlucht), unteres Sarca- und Fleimstal" [Italy].  
 Europe: southern Alpine valleys (DE FREINA & WITT, 1987).  
 Note: *Callimorpha dominula* var. *romanovi* STANDFUSS, 1896; Handbuch paläarkt. Gross-Schmett. Jena: 65, 140, 169, 222, 330, 332, Taf. 5, f. 6-8, was described as a hybrid. So, it has no taxonomic status.
- C. dominula profuga** (GOEZE, 1781) stat. nov. et stat. rev.; Ent. Beytr. **3** (3): 238, n 317 (*Phalaena Noctua Profuga*). Type locality: "In Archipelago prope insulam Meteline excepta in navi" [islands around Mytilene, Lesbos Is., Greece].  
 = [*Callimorpha Dominula*] v. *Bithynica* STAUDINGER, 1871 syn. nov.; Cat. Lep. europ. Faunengeb. (Ed.2): 56. Type locality: "Bith. [ynia]" [north-western Turkey].  
 = *Callimorpha dominula balcanica* DANIEL, 1951 syn. nov.; Veroff. Zool. Staatssammlung München **2**: 26, T. 2, f. 3, 4. Type locality: "Crni" [Crna, Macedonia (Scopje)], from the holotype label [T. 2, f. 4, nec 3]!.  
 Europe: Balkans: Macedonia (Scopje); Albania; Greece; West Turkey.
- C. dominula rossica** KOLENATI, 1846; Mel. Ent. fasc. **5**: 95. Type locality: "Occurrit tantum in Rossia et Transcaucasia" [Russia and Georgia]. Lectotype ♀, "Caucas." (ZIN), designated here.  
 = *Callimorpha dominula teberdina* SHELJUZHKO, 1934; Ent. Z. **48**: 73-75. Type locality: "Teberda-Gebiete (im nördl Kaukasus)" [Karachajevo-Cherkessia, North Caucasus, Russia].  
 = [*Callimorpha dominula*] *swanetica* REICH, 1935; Ent. Rundschau **53** (1): 8-9. Type locality: "Swanetien im Kaukasus, 3000 m Höhe" [north-western Georgia].  
 Russia: North Caucasus; Georgia; eastern Turkey (probably); Armenia; Azerbaijan (excluding Talysh); north-western Iran.  
 Note: *C. d. rossica* KOL. and *C. d. philippsi* BART. have a narrower and longer uncus and probably might be different species (KETTLEWELL, 1943a, b). *C. d. kurdistanica* THOMAS should be related to them.
- C. dominula trinacriae** NARDELLI & GIANDOLFO, 1996; Nachr. Ent. Ver. Apollo NF **17** (3): 293-296, T. 1, fig. 1-3, T. 2, fig. 9-14, Abb. 4 (gen.). Type locality: "Sizilien, Nebrodi-Berge, 7 km nördl. Maniace (Catania), östlich Porticelle Suprane, Forst Chiusitta (Foresta Vecchia), Bachlauf Scagliola, 1400 m" [Italy]. Europe: Sicily/Italy.

*Taicallimorpha* DUBATOLOV & KISHIDA, 2006; Tinea **19** (2): 123.

Type species: *Callimorpha albipuncta* WILEMAN, 1910, by original designation.

- Taicallimorpha albipuncta** (WILEMAN, 1910); Entomologist **43**: 137 (*Callimorpha*). Type locality: "Arizan ... 7300 feet. ... Formosa" [Taiwan]. Lectotype designated by DUBATOLOV & KISHIDA (2006b: 124).  
 = *Areas arizana* MATSUMURA, 1911, Thous. Ins. Jap., Suppl. **3**: 13-14, t. 31, fig. 1. Type locality: "Arisan (Formosa)" [Taiwan]. Lectotype designated by DUBATOLOV & KISHIDA (2006b: 124).

*Callindra* RÖBER, 1925; Stettin. Ent. Z. **86** (1): 172. Type species: *Callindra gigantea* RÖBER, 1925.

- = *Eucallimorpha* DUBATOLOV, 1990b; Таксономия насекомых и гельминтов [Taxonomy of insects and helminths]. Novosibirsk: 99-100. Type species: *Callimorpha principalis fedtschenko* GRUM-GRSHIMAILO, 1902 (the genus was revised by DUBATOLOV & KISHIDA, 2006b).

- Callindra arginalis** (HAMPSON, 1894); Fauna Br. India (Moths) **2**: 26 (*Areas arginalis*). Type locality: "Nága Hills, 3500 feet" [India].  
 = *Callimorpha gigantea* RÖBER, 1925; Stettin. Ent. Z. **86** (1-2): 171. Type locality: "Naga Hills" [India]. RÖBER, 1933; Ent. Rundsch. **50**: 296.  
 Eastern India; China: Yunnan, Guangxi; Burma (Myanmar); northern Indochina (Thailand, Laos) (Map 7).

- Callindra equitalis** (KOLLAR, [1844]); in HÜGEL, Kaschmir **4** (2): 465-466, t.20, f.3 (*Euprepia*). Type locality: "Himal., Massuri" [India: Uttar Pradesh]. Lectotype designated by DUBATOLOV & KISHIDA (2006b: 119).

- = *Callimorpha Equitalis* Var. *Ochricolor* ALPHERAKY, 1897a; Mém. lep. Ed. N. M. ROMANOFF **9**: 128-129. Type locality: "des montagnes du Kham" [montes Batan] [China: Sichuan]. Lectotype designated by DUBATOLOV (1996a: 347).

India: Kashmir, NW and NE Himalayas, Meghalaya (Khasi Hills); Nepal; China: eastern Tibet, Sichuan, Yunnan, Shaanxi, Hunan (FANG, 1992b, 2000); Burma (Myanmar), northern Indochina (Thailand, Laos, Vietnam) (Map 8).

Note: BRYK (1937) and VAN ECKE (1927b) cited the species from Sumatra; this was a mistake.

- Callindra lenzeni** (DANIEL, 1943); Mitt. Münch. Ent. Ges. **33** (2/3): 263-264, t. 13, fig. 6 (*Callimorpha*). Type locality: "Likiang" [China: Yunnan]. China: Yunnan (Map 9).

- Callindra nepos* (LEECH, 1899); Trans. Ent. Soc. London 1899: 166 (*Callimorpha*). Type locality: “Chia-ting-fu” [China: Sichuan]. = *Callimorpha eques* REICH, 1932; Int. Ent. Z. **26**: 234-235, t. 2, f. 5. Type locality: “Sikkim” [India]. Eastern India; China: Sichuan, Yunnan; Burma (Myanmar); northern Indochina (northern Thailand, northern Vietnam) (ČERNÝ & PINRATANA, 2009, as *Callimorpha nyctemerata*) (Map 10).
- Callindra nyctemerata* (MOORE, 1879); Descr. New Indian Lepid. Ins. Atkinson. London: 38-39 (*Hypercompa*). Type locality: “Darjiling” [India: West Bengal]. Lectotype designated by DUBATOLOV & KISHIDA (2006b: 115). Nepal; eastern India; Bhutan; China: eastern Tibet, Yunnan (Map 11).
- C. nyctemerata fangchenglaiae* DUBATOLOV & KISHIDA, 2006b; Tinea **19** (2): 117, fig. 14-15, 51-52 (gen.). Type locality: “China, NW Yunnan, Gaoligong Mt., Tenchong, ca. 3000 m”. China: eastern Tibet, Yunnan.
- Callindra principalis* (KOLLAR, [1844]); in HÜGEL, Kaschmir **4** (2): 465, t. 20, f. 2 (*Euprepia*). Type locality: “Himal., Massuri” [India: Uttar Pradesh]. Lectotype designated by DUBATOLOV & KISHIDA (2006b: 121). Central Asia: Kyrgyzstan (southern slope of Transalai Range); Tadzhikistan (Pamir); mountains of Afghanistan and Pakistan; India (Himalayas); Nepal; Bhutan; Burma (Myanmar); China: Tibet, Gansu (via A. SALDAITIS), Sichuan, Yunnan, Hubei, Hunan, Jiangxi, Jiangsu, Zhejiang. The nominal subspecies occurs in western Kashmir within Pakistan and India, Uttar Pradesh and partly in Himachal Pradesh in India (Map 12).
- C. principalis fedtschenkoi* (GRUM-GRSHIMAILO, 1902); Ежегодник Зоологического Музея [Ann. Mus. Zool. Acad. Imp. Sci. St.-Petersb.] **7** (1-2): 197 (*Callimorpha principalis* Var. *fedtschenkoi*). Type locality: “in regione Pamir dicta, in valle fl. Gunt” [Sardym-Khorog, by the type label] [Tadzhikistan, Pamir]. Kyrgyzstan (only the southern slope of Transalai Range); Tadzhikistan (Pamir). Probably also in neighbouring mountains of China, Xinjiang.
- C. principalis flavicolor* (MOORE, 1879); Proc. Zool. Soc. Lond. **1879**: 397 (*Hypercompa*). Type locality: “Simla, N.W.Himalaya” [India: Himachal Pradesh]. = *Callimorpha principalis ladakensis* REICH, 1933 (a), Int. Ent. Z. **27**: 133. Type locality: “in Leh, der Hauptstadt von Ladak, 3700 m” [India: Kashmir]. India: Kashmir, Himachal Pradesh. Probably also in neighbouring Tibet territories.
- C. principalis nuristanica* (KARDAKOFF, 1937); Arbeit. morphol. und taxon. Ent. Berlin-Dahlem **4** (3): 191. Type locality: “Ramgul-Tal” [Afghanistan, prov. Laghman: Nuristan, river Ramgol]. The holotype is figured in DANIEL (1943a: Taf. 13, Fig. 1). Afghanistan: Laghman. Probably also in neighbouring Pakistan territories.
- C. principalis regalis* (LEECH, 1889); Trans. Ent. Soc. London **1889**: 125, t. 9, fig. 4 (*Hypercompa principalis*, KOLLAR, var. *regalis*). Type locality: “Kiukiang” [China: Jiangxi]. Lectotype designated by DUBATOLOV & KISHIDA (2006b: 122). Nepal; China: Gansu, Shaanxi, Hubei, Hunan, Jiangxi, Zhejiang, Fujian.
- Callindra similis* (MOORE, 1879); Proc. Zool. Soc. London **1879**: 397-398. (*Hypercompa*) Type locality: “Dharmsala, N.W. Himalaya” [India: Himachal Pradesh]. India: Himachal Pradesh and probably Uttar Pradesh, Sikkim; Nepal; Bhutan; China: Tibet (few valleys on the western slopes of the Himalayas only) (Map 13).
- Aglaomorpha* KŌDA, 1987; Tyô to Ga **38** (3): 187-193.  
Type species: *Hypercompa histrio* WALKER, 1855, by original designation.  
= *Neocallimorpha* DUBATOLOV, 1990b; Таксономия насекомых и гельминтов [Taxonomy of insects and helminths]. Novosibirsk: 100.  
Type species: *Hypercompa histrio* WALKER, 1855, by original designation.
- Aglaomorpha histrio* (WALKER, 1855); List Spec. lep. Ins. Colln. Br. Mus. **3**: 654-655 (*Hypercompa*). Type locality: “Shanghai, North China” + “North China”.  
= *Callimorpha coreana* MATSUMURA, 1927 (a); J. Coll. Agric. Hokkaido Imp. Univ. **19** (1): 60. Type locality: “Corea (Genzan)” [North Korea: Wonsan].  
= *Callimorpha histrio chosensis* BRYK, 1948 [1949]; Ark. Zool. **41A** (1): 46-47, t. 3, f. 4. Type locality: “Myokosan” [North Korea]. Korea; China: Sichuan, Yunnan, Guizhou, Gansu, Jilin, Hubei, Hunan, Jiangxi, Jiangsu, Shanghai, Zhejiang, Fujian; Taiwan; Japan (Tsushima) (Map 14).
- A. histrio formosana* (MIYAKE, 1907); Annot. zool. jap. **6**: 80-81 (*Nicea formosana*). Type locality: “Jukirin” [Taiwan]. Taiwan.
- Aglaomorpha plagiata* (WALKER, 1855); List Spec. lep. Ins. Colln. Br. Mus. **3**: 655 (*Hypercompa*). Type locality: “Silhet” [Bangladesh or India: West Bengal]. Northern Pakistan (NARGIS VIQAR, 2004); Bangladesh (?); India: NW and NE Himalayas; Nepal; China: Tibet, Yunnan, Guangxi; Burma (Myanmar); northern Indochina (Thailand, Laos, Vietnam) (Map 15).
- Euplagia* HÜBNER, [1820] 1816; Verz. bekannter Schmett.: 180.  
Type species: *Phalaena hera* LINNAEUS, 1767, by subsequent designation by KIRBY (1892): Synonymic Cat. Lepid. Heterocera **1** (2): 834 (as *Phalaena quadripunctaria* PODA, 1761).
- Euplagia quadripunctaria* (PODA, 1761); Insecta Musei Graecensis: 89-90, No 20 [*P.[halaena] Noctua] Quadripunctaria*). Type locality: “Græcii” [Greece]: Graecii typis Haeredum Widmanstadii, Anno MDCCLXI [1761] (OBERTHÜR, 1911a; Et. lep. comp. **5**: 25). = *Phalena Plantaginis* SCOPOLI, 1763; Ent. Carniol.: 203-204. Type locality: “In sylvis nostris faginis” [Carniolian Alps] [Slovenia: Julian Alps/Karavanken]. = *Phalena Noctua hera* LINNAEUS, 1767; Syst. Nat. (Edn.12) **1**(2): 834-835. Type locality: “Italia, Germania”. Lectotype designated by MIKKOLA & HONEY, 1993: 134. = *Callimorpha quadripunctaria magna* SPULER, 1906; Schmett. Eur. **2**: 141. Type locality: “Südeuropa, bes. in Dalmatien” [Croatia]. Central Europe (excluding the North and Baltic sea coasts); South Europe; southern England; Lithuania; Belarus (probably, southern regions only); Ukraine, Crimea; Moldova; European Russia north to St.-Petersburg, Middle Volga, east to South

Ural, North Caucasus; Transcaucasia; Turkey; "Syria" (this records are from Hatay, southern Turkey), northern Iran, southern Turkmenistan (Kopetdagh Mts.) (Map 16).

***E. quadripunctaria fulgida*** (OBERTHÜR, 1896); Étud. d'Ent. **20**: 56, t.10, f.174 ([*Callimorpha Hera*] var. *Fulgida*). Type locality: "vient d'Akbes, en Syrie" [South Turkey, Iskanderun]. South Turkey; Syria (?); Lebanon (Zerny, 1933).

Note: there are no modern specimens from the type locality and neighbouring territories; the species is usually collected from northern regions of Turkey. In the Zoological Institute (St.-Petersburg, Russia) collection, topotypes were determined by STAUDINGER as "*Callimorpha quadripunctaria magna* STGR."

***E. quadripunctaria rhodosensis*** (DANIEL, 1953); Mitt. Münch. Ent. Ges. **43**: 253, T. 7, f. 12 (*Callimorpha quadripunctaria rhodosensis*). Type locality: "Rhodos, Ägäis" [Greece].

=*Panaxia quadripunctaria ingridae* ROESLER, 1969 **syn. nov.**; Ent. Z. **78**: 281-282, Abb. 4 (p. 283). Type locality: "W.-Türkei, S. v. Izmir, 10 km O v. Kusadasi". Western Turkey and neighbouring islands of Greece. Note: according to the figures in the original descriptions, both, *ingridae* ROESLER and *rhodosensis* DANIEL are marked by a narrower light pattern on the forewings.

***Euplagia splendidior*** (TAMS, 1922); Entomologist **55**: 196-197 (*Callimorpha quadripunctaria*). Type locality: "Harir (5300 ft.), N.W. Persia" [Iran].

=*Callimorpha quadripunctaria tkatshukovi* SHELJUZHKO, 1935 (a); Zeitschr. Öster. Ent. Ver. Wien **20**: 21-22. Type locality: "Armenien (ehemaliges Gouvernement Erivan): Inoklju, am Abhange des Alagöz-Berges" [Armenia].

South-eastern Transcaucasia: Armenia and Azerbaijan (Nakhichevan); eastern Turkey; northern Iraq; western Iran (Map 17).

***Euleechia*** DYAR, 1900; Can. Ent. **32**: 347, replaced name for *Callarctia* LEECH, 1899.

=*Callarctia* LEECH, 1899; Trans. Ent. Soc. Lond. **1899**: 168, nec *Callarctia* PACKARD, 1864. Type species: *Chelonia bieti* OBERTHÜR, 1883, by original designation.

=*Neochelonia* DRAESEKE, 1926; Dt. Ent. Z. **40**: 47-48. Type species: *Chelonia bieti* OBERTHÜR, 1883.

=*Nikaeoides* MATSUMURA, 1931; 6000 illust. Insects Japan-Empire: 972. Type species *Nicaea arisana* MATSUMURA, 1911, by monotypy.

***Euleechia arisana*** (MATSUMURA, 1911); Thous. Ins. Jap., Suppl. **3**: 26-27, t. 31, fig. 3 (*Nicaea arisana*). Type locality: "Formosa (Arisan)" [Taiwan]. Taiwan (Map 18). Note: the species was revised by KÔDA & KISHIDA (1995).

***Euleechia bieti*** (OBERTHÜR, 1883); Bull. Soc. Ent. Fr. (6) **3**: XLIII (*Chelonia*). Type locality: "Ta-t sien-lou" [China: Sichuan].

China: Yunnan, Sichuan, Gansu, Shaanxi, Shanxi, Hebei (Beijing), Hubei, Zhejiang (Map 19). The nominotypical subspecies is recorded from Sichuan and Yunnan.

***E. bieti hoenei*** (O. BANG-HAAS, 1933); Ent. Zeit. **46**: 263 (*Neochelonia bieti*). Type locality: "China or., Tsche-kiang, Hang-tschou. 1500 m" [China: Zhejiang]. China: Zhejiang, probably also Hubei.

***E. bieti minschani*** (O. BANG-HAAS, 1933); Ent. Zeit. **46**: 263 (*Neochelonia bieti*). Type locality: "Kansu mer. occ., Minschan, .... Lih-sien, Tsinglingshan, ein einzelnes Stück aus Jehol" [China: Gansu, Shaansi, Hebei]. China: Gansu, Shaanxi, Shanxi, Hebei.

***Euleechia pratti*** (LEECH, 1890); Entomologist **23**: 111 (*Chelonia bieti pratti*). Type locality: "Chang Yang" [China: Hubei].

=*Chelonia Poultoni* OBERTHÜR, 1913; Et. Léop. comp. **7**: 671, t. 190, fig. 1834. Type locality: "Tâ-t sien-lou" [China: Sichuan].

China: Yunnan, Sichuan, Hubei, Jiangxi, Zhejiang (Map 18). Note: the species was revised by KISHIDA (2004).

#### ***Euleechia*** (sensu lato)

***Euleechia miranda*** (OBERTHÜR, 1894); Ét. d'Ent. **19**: 33-34, t. 6, fig. 50 (*Chelonia Miranda*). Type locality: "Mœnia (Thibet)". I could not localize the type locality.

=*Chelonia Miranda* var. *Dubernardi* OBERTHÜR, 1912; Etud. Lep. Comp. **6**: 324, t. 119, fig. 1050. Type locality: "Tse-kou" [China: Sichuan].

=*Chelonia Miranda-Lugens* OBERTHÜR, 1912; Etud. Lep. Comp. **6**: 324, t. 120, fig. 1051. Type locality: "Tâ-tsin-lou" [China: Sichuan].

China: Tibet (probably eastern regions), Yunnan, Sichuan (Map 20). Note: Var. *dubernardi* OBTH. looks to be a ♀ of *E. miranda* OBTH.; var. *lugens* OBTH. is probably a ♂ and a melanistic form of the same species.

***Axiopoena*** MÉNÉTRIÈS, 1842; Bull. Acad. Imp. Sci. St. Petersb. **9**: 42.

Type species: *Bombyx maura* EICHWALD, 1830, by monotypy (the genus was revised by DUBATOLOV, 1989).

***Axiopoena karelini*** MÉNÉTRIÈS, 1863; Cat. lep. Petersb. **3**: 160-161, t. 17, f. 5 (*Axiopoena Karelini*). Type locality: "nous reçumes de Tiflis" [Georgia: Tbilisi].

=*Axiopoena maura transcaucasica* SHELJUZHKO, 1926, Dt. Ent. Z. **40**: 58-60. Type locality: "Suchum (Westküste Süd-Transkaukasiens)" [Abkhasia: Sukhum].

=*Axiopoena maura manissadjiani* O. BANG-HAAS, 1927, Horae Macrolep. **1**: 71. Type locality: "Asia minor: Kurdistan, Malatia" [Turkey]. Lectotype designated by DUBATOLOV (1989: 12). Russia: Caucasus (Sochi); Abkhasia; Georgia; Armenia; Azerbaijan (Nakhichevan); eastern Turkey; northern Iraq; western Iran (western slopes of Zagros) (Map 21).

***Axiopoena maura*** (EICHWALD, 1830); Zool. spec. **2**: 196 (*B[ombyx] maura*). Type locality: "Hab.[itat] oram orientalem caspii maris, in situ balchanensi; prope Krasnowodsk" [Turkmenistan: Balkhan Mts. near Turkmenbashi].

=*Axiopoena fluviatilis* SWINHOE, 1885b; Trans. Ent. Soc. Lond. **1885**: 351, t. 9, f. 7. Type locality: "Quetta" [Pakistan].

Azerbaijan (Nakhichevan) (?); Iran (east from eastern slopes of Zagros); Turkmenistan; Afghanistan; north-western Pakistan (Map 21).

***Carcinopyga*** C. & R. FELDER, 1874; Reise öst. Fregatte Novara (Zool.) **2** (Abt. 2): t. 101, f. 3.

Type species: *Carcinopyga lichenigera* FELDER, 1874, by monotypy.

=*Euarctia* STAUDINGER, 1887 (a); Stettin. Ent. Z. **48**: 79. Type species: *Euarctia proserpina* STAUDINGER, 1887, by monotypy.

*Carcinopyga gurkoi* KAULT & SALDAITIS, 1997; Nachr. Ent. Ver. Apollo N.F. **18** (2/3): 130-132, Abb. 12-21, SW-Abb. 10. Type locality: "West-Pamir, Distr. Rushan, South of Rushan, 3300-3500 m" [Tadzhikistan: Pamir].  
Tadzhikistan: Pamir; Afghanistan/Badakhshan (Map 23).

*Carcinopyga lichenigera* C. & R.FELDER, 1874; Reise öst. Fregatte Novara. Zool. **2** (Abt. 2): t. 101, fig. 3. Type locality: "Ladak" (FELDER, 1875; Erklärung: 2). Lectotype from "Kargil" [India: Jammu and Kashmir] designated by DE FREINA (1982: 10). Eastern Afghanistan (mountains); northern Pakistan (mountains); India: Kashmir and Ladakh (Map 22). The nominotypical subspecies is distributed in eastern Afghanistan, Kashmir (within Pakistan and India) and Ladakh.

*C. lichenigera nuytenae* DE FREINA, 1982; Entomofauna **3** (1): 14-15, Abb. 2 (p.4), Abb. 5a (p.9), Abb. 14-16 (p.18). Type locality: "Pakistan, SW-Himalaja, Indus-Kohistan, Kaghan-Tal, Naran, 3200-4500 m" [North West Frontier Province, Pakistan].  
North Pakistan: Kohistan in the North West Frontier Province, Azad Kashmir.

*Carcinopyga proserpina* (STAUDINGER, 1887); Settin. Ent. Z. **48**: 80-81 (*Euarctia proserpina*). Type locality: "Provinz Samarkand" [Uzbekistan].  
South Kazakhstan (West Tien Shan); Uzbekistan (West Tien Shan); Kyrgyzstan; Tadzhikistan; eastern Afghanistan (Map 24).

*C. proserpina lindti* ČERNÝ, 1986; Neue Ent. Nachr. **19** (1/2): 31-33 (*Carcinopyga lindti*). Type locality: "Kirghisia, Tsolpon-Ata" [Kyrgyzstan].  
West Tien Shan within Kazakhstan, Uzbekistan and Kyrgyzstan, North Tien Shan within Kyrgyzstan.

*Cymbalophora* RAMBUR, 1866, Cat. syst. Lep. Andalousie (**2**): 231-234.

Type species: *Phalaena pudica* ESPER, 1785, by monotypy.

*Cymbalophora oertzeni* (LEDERER, 1855); Verh. zool.-bot. Ges. Wien **5**: 201, t. 2, fig. 8-9 (Arctia). Type locality: "Beirut" [Lebanon].  
Palestina: Israel, Lebanon, southern Turkey (Hatay, Bitlis) (Map 25).

*Cymbalophora pudica* (ESPER, 1785); Die Schmett. **3**: 177, pl. 33, fig. 1 (*Ph.[alaena] B.[ombus]*). Type locality: "savoyischen Gebürge" [France].  
Lion [http://www.zsm.mwn.de/Lepidoptera/esper\_typ\_bom.htm].

=*Phal.[aena] Noctua tessellata* DE VILLERS, 1789; Ent. Linn. **2**: 274, t. 5, fig. 18. Type locality: "in Europa. Prope Lugdunum" [Lion, France].

=*Euprepia (Cymbalophora) pudica rosina* ZERNY, 1927, Eos **3**: 436-437, t. 9, f. 21. Type locality: "auch bei Orihuela und an anderen Punkten der Sierra" [Spain].

North-West Africa: from Morocco to Tunisia and NW Libya; South Europe east to Balkans, Corsica, Sardinia, Sicily, Malta.

*Cymbalophora rivularis* (MÉNÉTRIÈS, 1832); Cat. raison.: 263-264 (*Chelonia rivularis*). Type locality: "sur le bord du fleuve Terek" [Russia: Caucasus: Chechnya?].

=*Euprepia rivularis dannehl* TURATI, 1928; Mitt. Münch. Ent. Ges. **19**: 101 (*Euprepia rivularis* MÈN. *dannehl* TT.). Type locality: "Die europäische Form" [southern Abruzzi, Italy].  
Central Italy; Macedonia (Scopje); northern Greece; south-eastern Bulgaria; southern Ukraine (Kherson); Turkey; north-western Iran; Transcaucasia: Armenia and western Azerbaijan; Russia: East Caucasus: Chechnya, Dagestan (Map 26).

*Tyria* HÜBNER, [1819] 1816; Verz. bekannter Schmett.: 166.

Type species: *Phalaena jacobaeae* LINNAEUS, 1758, by subsequent designation by HAMPSON (1901), Cat. Lep. Phalaenae Br. Mus. **3**: 185.

=*Hypocrita* HÜBNER, [1806], Tentamen determ. digest...: [1] (rejected name);

=*Euchelia* BOISDUVAL, 1828, Eur. Lep. Index meth.: 39. Type species: *Phalaena jacobaeae* LINNAEUS, 1758, by subsequent designation by BLANCHARD (1845), Hist. Insectes **2**: 377 (as *jacobaeae*).

*Tyria jacobaeae* (LINNAEUS, 1758); Syst. Nat. (Edn.10) **1**: 511 (*Phalæna Noctua* *Jacobææ*). Type locality: not stated, Europe (WATSON et al., 1980). Lectotype designated by MIKKOLA & HONEY (1993: 136).

=*Callimorpha senecionis* GODART, 1822 [1823]; Hist. Nat. Lep. Pap. Fr. **4**, Nocturnes **1**: 377-378, t. 39, f. 1, t. 42, fig. 4. Type locality: ["France"].  
West Europe, north to Ireland, southern Scotland, southern Scandinavia; Baltia; Belarus, Ukraine, Crimea; Moldova; European Russia north to Vologda and Vyatka, North Caucasus; Transcaucasia (Abkhasia, Georgia, Armenia, western Azerbaijan); Turkey; Kazakhstan (northern regions, mountains of eastern and southern parts of the country); mountains of eastern Central Asia (within Uzbekistan, Kyrgyzstan and North Tadzhikistan); Asian Russia: West Siberia north to Tyumen, Tomsk, east to Krasnoyarsk and Minusinsk; north-western China (Xinjiang) (Map 27). Introduced into North America (southern Canada, northern U.S.A.), New Zealand and Tasmania (Australia).

*Dodia* DYAR, 1901; J. New York Ent. Soc. **9**: 85.

Type species: *Dodia albertae* DYAR, 1901, by original designation.

=*Hyalocoa* HAMPSON, 1901; Cat. Lep. Phal. Br. Mus. **3**: xi, 5, 202. Type species: *Lithosia diaphana* EVERSMANN, 1848, by original designation [the genus was revised by TSHISTJAKOV & LAFONTAINE (1984) and TSHISTJAKOV (1988)].

*Dodia albertae* DYAR, 1901; J. New York Ent. Soc. **9**: 85. Type locality: "Calgary, Alberta, Canada"; Calgary, Alberta, head of Pine Creek, by the lectotype designation by TSHISTJAKOV & LAFONTAINE (1984: 1552-1553).

North Russia: Polar Ural, southern Taimyr, Yakutia, Upper Kolyma, Okhotia, East Sayan, Transbaikalia; northern Mongolia (Map 28); North America: USA: Alaska; Canada east to Quebec.

*D. albertae atra* (A. BANG-HAAS, 1912); Dt. Ent. Z. Iris **26**: 109 (*Hypocrita atra*). Type locality: "Arasagun-gol (Sajan)" [Mongolia: western part of Chövsgöl aimak]. Lectotype designated by TSHISTJAKOV & LAFONTAINE (1984: 1553).

=*Hyperborea kozhantshikovi* SHELJUZHKO, 1918; Neue Beiträge zur systematischen Insektenkunde **1** (13): 104. Type locality: "in

montes Dzhugdzhur, ad flum. Dzhelinda” [Russia: Khabarovsk Province, Uchur river headwater]. Lectotype designation by TSHISTIAKOV & LAFONTAINE (1984: 1553) is not valid because the selected specimen was not included in the type series (DUBATOLOV, 1996a). Types of this name are deposited in Zoological Museum of Kiev State University, Ukraine, and not in Zoological Institute, St.-Petersburg, Russia, as was stated by TSHISTIAKOV & LAFONTAINE.

East Russia: eastern Yakutia, Upper Kolyma, Okhotia, East Sayan, Transbaikalia; northern Mongolia.

**D. albertae eudiopta** TSHISTIAKOV, 1988; ЭНТОМОЛОГИЧЕСКОЕ ОБОЗРЕНИЕ [Entomol. Obozr.] **67** (3): 638, fig. 5. Type locality: “р. Оленек между нижней Томб.[ой] и р. Алаkit” [Russia: Yakutia: river Olenek between rivers Lower Tomba and Alakit].  
Russia: North-West Siberia: Polar Ural, Таймыр, north-western Yakutia.

**Dodia diaphana** (EVERSMANN, 1848); Bull. Soc. Imp. Nat. Moscou **21** (3): 212-213 (*Lithosia Diaphana*). Type locality: “im östlichen Sibirien, in der Gegend von Irkutsk” [Russia: Irkutsk Province or Buryatia].

Russia: mountains of South Siberia from south-eastern Altai to Transbaikalia and Stanovoi Range, middle part of the Amur river basin, Sikhote-Alin Mts., Yakutia, Magadan Province, South Chukotka. The nominotypical subspecies is distributed in South Siberian mountains, Central Yakutia, Amur basin, Sikhote-Alin and northern Mongolia (Map 29).

**D. diaphana arctica** TSHISTIAKOV, 1988; ЭНТОМОЛОГИЧЕСКОЕ ОБОЗРЕНИЕ [Entomol. Obozr.] **67** (3): 641-642, fig. 7. Type locality: “Магаданская обл., 18 км С. Кулу, 800 м над ур. м.” [Russia: Magadan Province: 18 km N from Kulu, 800 m a.s.l.].  
North-East Russia: eastern Yakutia, Magadan province, southern Chukotka.

**Dodia kononenkoi** TSHISTIAKOV & LAFONTAINE, 1984; Canad. Ent. **116**: 1553-1554, f.5, 6, 9. Type locality: “Magadanskaya Oblast, Bolshoy Annachag Range” [Russia].

Asian Russia: Buryatia (Barguzin), Magadan Province (Upper Kolyma) (Map 30); Canada (Yukon).

**Dodia maja** REKELJ & ČESANEK, 2009; Acta Zool. Acad. Scient. Hungaricae **55** (3): 276-281, fig. 4-5 (moths), 10, 13-14, 16 (gen.). Type locality: “Russia, Far E. Magadanskaia oblast, Khasinskii okrug, Maimandzhinskii khrebet, Goluboe ozero, km 25 of road to Talaia village, 800–900 m, (61°06'41”N; 152°15'41”E)”. Asian Russia: Magadan province (Map 30).

**Dodia sazonomi** DUBATOLOV, 1990c; Членистоногие и гельминты [Arthropods and helminths]. Novosibirsk: 148-149, fig. 2л (p.157). Type locality: “Алтай, окр. Акташа, рудник, 2500-2700 м” [Russia: Altai: Aktash, mine, 2500-2700 m a.s.l.].  
Asian Russia: Altai, south-western Tuva (Map 30).

**Dodia sikhotensis** TSHISTIAKOV, 1988; ЭНТОМОЛОГИЧЕСКОЕ ОБОЗРЕНИЕ [Entomol. Obozr.] **67** (3): 636, fig. 3 (p. 635) (*Dodia kononenkoi sikhotensis*). Type locality: “Приморский край, гора Голец, 1450 м над ур. м., голцы” [Russia: Primorskii Krai: Golets Mt., 1450 m a.s.l.]. Asian Russia: Sikhote-Alin Mts. (Map 30). Note: the specific status is provisional only: unfortunately, while preparation of the description the vesica was not everted and it is impossible to study its structure. Other taxa from this specific complex have distinguishing characters of specific level mainly in the vesica structure.

**Dodia transbaikalensis** TSHISTIAKOV, 1988; ЭНТОМОЛОГИЧЕСКОЕ ОБОЗРЕНИЕ [Entomol. Obozr.] **67** (3): 634-636, fig. 2 (*Dodia kononenkoi transbaikalensis*). Type locality: “Иркутская обл., 15 км Ю Слюдянки, хр. Хамар-Дабан, южный склон пика Черского, 1850 м над ур. м.” [Russia: Irkutsk Province: 15 km S from Slyudyanka, Khamar-Daban Mts., southern slope of Cherskii Mt., 1850 m a.s.l.].  
Asian Russia: Tuva, Transbaikalia: Khamar-Daban, Yablonovyi Mts., Sokhondo (Map 30).

**Lacydes** WALKER, 1855; List Spec. lep. Ins. Colln. Br. Mus. 3: 685.

Type species: *Eyprepia intercissa* FREYER, 1842 (cited as *incisa*), by monotypy.

= *Acymba* RAMBUR, 1866; Cat. syst. Lep. Andalousie (2): 235. Type species: *Noctua spectabilis* TAUSCHER, 1806, by monotypy.

= *Palparctia* SPULER, 1906; Schmett. Eur. 2: 133. Type species: *Noctua spectabilis* TAUSCHER, 1806, by monotypy.

= *Volgarctia* ALPHERAKY, 1908; Труды Русского энтомологического общества [Hogae Soc. Ent. Ross.] **38**: 606. Type species: *Noctua spectabilis* TAUSCHER, 1806, by monotypy.

**Lacydes incurvata** EBERT, 1973; Reichenbachia **14** (8): 68-74, Abb. 10 (p. 67). Type locality: “Südost-Afganistan, Safed Koh Südseite, Kotkai, 2350 m” [Afghanistan: Paktia: Spingar Range]. South-eastern Afghanistan; western Pakistan (Map 32).

**Lacydes spectabilis** (TAUSCHER, 1806); Mem. Soc. Nat. Univ. Imp. Mosc. **1**: 212, t. 13, f. 6. (*Noctua Spectabilis*). Type locality: “Russia australiori” [southern part of European Russia].

= *Eyprepia intercissa* FREYER, 1842; Neuere Beitr. Schmett. **4**: 118-119, pl. 356. Type locality: “südlichen Russland” [southern part of European Russia].

= *Eyprepia incissa* FREYER, 1842; Neuere Beitr. Schmett. **4**: pl. 356, subsequent incorrect spelling.

= *Lacydes spectabilis sheljuzhkoii* DUBATOLOV, 1996d; Neue Ent. Nach. **37**: 44, 70, Fig. 2a (p. 74). Type locality: “Armenia, Transcauc. m., pag. Engidzha ad fl. Arax (prope stat. Norashen)”. South-Eastern Europe: south-eastern Ukraine: Lugansk province; European Russia, north to Penza and Vyatka, southern part of West Siberia: steppe and forest-steppe of Kurgan, Novosibirsk and Altai (Barnaul) Provinces; Kazakhstan; Central Asia: Turkmenistan, Kyrgyzstan, Uzbekistan, Tadzhikistan; eastern Turkey; eastern Transcaucasia: Armenia and Nakhichevan (Azerbaijan); northern Iraq; Iran; Afghanistan; western and southern Mongolia; north-western China (Xinjiang) (Map 31). Note: *L. s. sheljuzhkoii* DUBAT. description was based on specimens with a smashed wing pattern colour due to a special method of collecting with glue traps. Modern specimens from East Turkey show their identity with the nominotypical subspecies.

**L. spectabilis annelata** (CHRISTOPH, 1887); Mém. l'ép. 3: 55-56, t. 3, f. 2 (*Arctia spectabilis*). Type locality: “bei Ashkhabad und wohl überall in der Steppe” [Turkmenistan: mountains near Ashkhabad]. Lectotype designated by DUBATOLOV (1996a: 345).

= *Volgarctia (Lacydes) kendevari* SCHWINGENSCHUSS, 1937; Z. öst. Ent. Ver. **22**: 60-61, t. 3, f. 7. Type locality: “Kendevarpaß in 3000 m Höhe”



[Alburz Mts., northern Iran]. Northern Iran (Alburz Mts.); southern Turkmenistan (Great Balkhan Mts., Kopetdagh Mts.).

*Spiris* HÜBNER, [1819] 1816; Verz. bekannter Schmett.: 169.

Type species: *Phalaena grammica* LINNAEUS, 1758, by monotypy.

=*Callopis* Billberg, 1820; Enum. Insect. Mus. G. J. BILLBERG: 91. Type species: *Phalaena grammica* LINNAEUS, 1758, by subsequent designation by WATSON et al. (1980: 182).

=*Eulepia* CURTIS, 1825; Br. Ent. 2: 56. Type species: *Phalaena grammica* LINNAEUS, 1758, by original designation.

=*Ctenia* LE PELETIER, 1825; Encycl. méth. 10 (Insectes): 650. Type species: *Phalaena grammica* LINNAEUS, 1758, by monotypy (but attributed to LATREILLE, an incorrect authorship).

=*Emydia* BOISDUVAL, 1828; Eur. Lepid. Index meth.: 39. Type species: *Phalaena grammica* LINNAEUS, 1758, by subsequent designation by BLANCHARD (1840), Hist. Nat. Insectes 3: 489.

*Spiris bipunctata* (STAUDINGER, 1892); Dt. Ent. Z. Iris 5: 345-346 (*Emydia striata*). Type locality: "Kentei" [Dorfe Kudara] [Russia: Buryatia: Malkhan Mts., Kudara-Somon]. Asian Russia: South Siberian mountains: southern slopes of West Sayan, Tuva, Transbaikalia, Middle Amur; central and eastern Mongolia; China: Xinjiang, Qinghai, Shanxi, Heilongjiang (Map 34).

*Spiris striata* (LINNAEUS, 1758); Syst. Nat. (Edn.10) 1: 502 (*Phalaena Bombyx*] *striata*). Type locality: "Germania" [Germany].

=*Phalaena Bombyx*] *grammica* LINNAEUS, 1758; Syst. Nat. (Edn.10) 1: 822. Type locality: "Germania" [Germany]. Lectotype designated by MIKKOLA & HONEY (1993: 132).

=*Euprepia funerea* EVERSMANN, 1847; Bull. Soc. Imp. Nat. Moscou 20 (3): 77, t. 5, f. 5. Type locality: "Sibiria orientali" Irkuzk [Russia: Irkutsk], by the lectotype designation by DUBATOLOV (1985b: 137).

=*Coscinia striata strandi* OBRAZTSOV, 1936; Festschr. E. STRAND 2: 239. Type locality: "Sk[adovsk]" [Ukraine: Kherson Province].

=*Coscinia striata slovenica* DANIEL, 1939; Mitt. Münch. Ent. Ges. 29 (2/3): [355]-356 Type locality: "Triglav-Gebietes" [Slovenia].

=*Coscinia striata wisniewskii* WOJTUSIAK & NIESOLOWSKI, 1946; Acta Mus. Hist. nat. Acad. polon., No 6: 62, pl. 11, f. 7. Type locality: "Tubenel 1500 m" [Russia: North Caucasus: Kabardino-Balkaria: Balkaria].

=*Coscinia striata hospitali* MARTEN, 1948; Trab. Mus. Cienc. Nat. Barcelona, N.S. Zool. 1 (2): 17-19. Type locality: "Entre los 1.800 y 2.000 m. de altura de la Sierra Nevada y de otras Sierras de Andalucía". „Prov. Almería" [Granada, Sierra Nevada], by the lectotype designation by DE FREINA & WITT (1984a: 228).

South and Central Europe (excluding North Sea coast, southern and central parts of Iberian Peninsula); Baltia; Belarus; Ukraine, Crimea; European Russia, north to Luga and Upper Volga, North Caucasus; Transcaucasia (Georgia and Azerbaijan); Turkey; Syria (?), northern and eastern Kazakhstan; north-western China (Xinjiang); Asian Russia: South Siberia north to Kurgan, Tomsk, Krasnoyarsk, Irkutsk, Transbaikalia, central Yakutia; western and central Mongolia (Map 33).

*Coscinia* HÜBNER, [1819] 1816; Verz. bekannter Schmett.: 169.

Type species: *Phalaena cribrum* LINNAEUS, 1761, by subsequent designation by HAMPSON (1901), Cat. Lep. Phalaenae Br. Mus. 3: 203, 204 (cited as *P. cribraria*).

*Coscinia cribraria* (LINNAEUS, 1758); Syst. Nat. (Edn.10) 1: 507 (*Phalaena Bombyx*] *cribraria*). Type locality: "Habitat in terris meridionalibus" [South Sweden]. Lectotype designation by MIKKOLA & HONEY (1993: 122).

=*Ph[alae]na*] *Bombyx cribrum* LINNAEUS, 1761; Fauna Suecica (Edn.2): 302. Type locality: "in Suecia australi". MIKKOLA & HONEY (1993): unnecessary replacement name.

=*Phalaena Bombyx*] *cribrellum* ESPER, [1794]; Schmett. 3 (2): 47, Tab. 87, Fig. 2, 3. Type locality: „in der Gegend von Nimes in Languedoc" [Nîmes, Gard, France] (ex coll. GERNING) ([http://www.zsm.mwn.de/Lepidoptera/esper\\_typ\\_bom.htm](http://www.zsm.mwn.de/Lepidoptera/esper_typ_bom.htm)).

=*Bombyx colon* HÜBNER, 1793 [1800-1803]; Sammlung auserlesener Vögel und Schmett.: 9, Taf. 37; Samml. Europ. Schmett. Lep. 3, Bomb.: t. 131, f. 119. Type locality: not stated, probably Augsburg vic. [Germany].

=*Bombyx chrysocephala* HÜBNER, [1809-10]; Samml. Europ. Schmett. Lep. 3, Bomb.: t. 58, f. 251. Type locality: not stated, probably Augsburg vic. [Germany].

=*Eyprepia coscinia* OCHSENHEIMER, 1810; Schmett. Eur. 3: 300. Type locality: "aus Portugal".

=*Emydia rippertii* BOISDUVAL, 1834; Icones hist. Lep. 2: 94, t. 57, f. 4. Type locality: "dans les Pyrénées espagnoles" [Spain].

=*B[ombyx]*] *Punctigera* FREYER, 1834; Neuere Beitr. zur Schmett. 2 (24): 76-78, t. 140, f. 1a-c. Type locality: "Gunzenhausen" [Germany: Bavaria].

=*Euprepia inquinata* RAMBUR, 1866; Cat. Syst. Lép. d'Andalousie (2): 223 (222-224). Type locality: "Poitiers" [Vienne, France], by the lectotype designation by de TOULGOËT (1981: 130).

=*Emydia cribrum sibirica* STAUDINGER, 1892c; Dt. Ent. Z. Iris 5: 346. Type locality: "Kentei" [Dorf Kudara] [Russia: Buryatia: Malkhan Mts., Kudara-Somon].

=*Emydia cribrum*] *bivittata* SOUTH, 1900; Entomologist 33: (67)-68, fig. 1-5, 6-7. Type locality: "[England] Ringwood" [Hampshire, U.K.].

=*Euprepia Cribraria*] [forma geograph.] *Anglica* OBERTHÜR, 1911; Ét. Lep. comp. 5 (1): 171-172, 334, t. 80, f. 735-736. Type locality: "Angleterre" [England].

=*Euprepia Cribraria*] [forma geograph.] *Nevadensis* OBERTHÜR, 1911; Ét. Lep. comp. 5 (1): 175-176, 333-334, t. 80, f. 733-734. Type locality: "dans les montagnes de la Sierra-Nevada" [Spain].

=*Euprepia Cribraria*] [forma geograph.] *Rondoui* OBERTHÜR, 1911; Ét. Lep. comp. 5 (1): 179, 334, t. 80, f. 740-741. Type locality: "Cauterets (Hautes-Pyrénées; altitud. 1.200 mètres)" [France].

=*Euprepia Cribraria*] [forma geograph.] *Canigulensis* OBERTHÜR, 1911; Ét. Lep. comp. 5 (1): 180, 334, t. 80, f. 744-745. Type locality: "dans les hautes montagnes aux environs de Vernet-les-Bains ... Hautes Montagnes des Pyrénées-Orientales; altitud.. 2.500 mètres + Jasse de Cadi; au pied du Pic du Canigou; altitud. 2.500 mètres" [France].

=*Euprepia Cribraria*] [forma geograph.] *Vertenensis* OBERTHÜR, 1911; Ét. Lep. comp. 5 (1): 180, 334, t. 80, f. 737-738. Type locality: "aux proches environs de Vernet-les-Bains ... Vernet-les-Bains (Pyrénées-Orientales); altitude 7-900 mètres" [France].

=*Coscinia cribraria fumidaria* O. BANG-HAAS, 1927; Horae Macrolepid. 1: 58, t. 8, f. 3. Type locality: "Tannuola mont., südöstl.

- Schawyr, 2000 m" [Russia: Tuva / Mongolia: Chövsgöl aimak].  
 = *Coscinia cribrum (cribraria)* var. *pseudobifasciata* DANNEHL, 1929; Mitt. Münch. Ent. Ges. **19** (5-9): 100. Type locality: "Hilden i. Rheinland" [Düsseldorf suburbs, Nordrhein-Westfalen, Germany].  
 = *Coscinia cribrum (cribraria) splendida* DANNEHL, 1929; Mitt. Münch. Ent. Ges. **19** (5-9): 100-101. Type locality: "Majella, Monte Paradiso, Rotella, Sirente" [Italy: Toscana: Monte Paradiso; Marche: Rotella; Abruzzi: Majella, Sirente].  
 = *Coscinia cribraria* race *arenaria* LEMPKE, 1937; Lambillionea **37**: 150, pl. 10, f. 5, 6. Type locality: "... des dunes littoral ... du littoral néerlandais ... Zandvoort (Hollande)" [Netherlands].  
 = *Coscinia cribraria nikitini* O. BANG-HAAS, 1938; Ent. Z. **52** (22): 179. Type locality: "Mandschuria occ., Chingan mont., Barin" [China: Nei Mongol].  
 = *Coscinia cribraria pseudobifasciata* LEMPKE, 1961; Tijdschr. Ent. **104** (8): 127. Type locality: "Leuvenum" [Netherlands].  
 = *Coscinia cribraria pannonica* DANIEL, 1955; Z. Wien. Ent. Ges. **40**: 196-197. Type locality: "Nordostungarn, Komitat Szabolcs Nyírbátor (Bátorliget)" [Hungary].  
 = *Coscinia cribraria galega* AGENJO, [1977] 1975; Graellsia **31**: 39-40, lám. 1, f. 1-6. Type locality: "de Miño, a 10 m., provincia de la Coruña" [Spain].  
 = *Coscinia cribraria centralis* AGENJO, [1977] 1975; Graellsia **31**: 40-41, lám. 1, f. 7-12. Type locality: "de la Estación de Montaña del Instituto Español d Entomologia, en El Ventorrillo, a 1.481 m., Cercedilla, provincia d Madrid" [Spain].  
 = *Coscinia cribraria marcosae* AGENJO, [1977] 1975; Graellsia **31**: 41-42, lám. 1, f. 13-16. Type locality: "de Alela, a 99 m., provincia de Barcelona" [Spain].  
 = *Coscinia benderi* MARTEN, 1957; Ent. Z. **67**: 89-91, fig. Type locality: "von Huelva in Südsanien" [Spain].  
 = *Coscinia cribraria guidoi* DA SILVA CRUZ, 1978; Publ. Inst. Zool. „Dr. Augusto Nobre“ Nr. **143**: 14; repeat in: An. Fac. ciênc. Univ. Porto **61** (1-4): 58-63, photo, fig. 2-4. Type locality: "environs de la ville de Abrantes" [Portugal].  
 = *Coscinia cribraria ibicenca* KOBES, 1990 [1991]; Nachr. Ent. Ver. Apollo NF **11** (4): 194-203, Abb. 3 & 4. Type locality: "Hispania, Is. Baleares, Ibiza, San Antonio"; synonymy by VIVES MORENO (1994). North-West Africa (from Morocco to Tunisia); Central and South Europe; south-eastern England; southern Scandinavia; Baltia; Belarus; northern Ukraine; European Russia north to Carelia and Vyatka, south to Samara; northern Kazakhstan; Asian Russia north to Tyumen, Tomsk, Angara River, central Yakutia; northern Mongolia; China: North Xinjiang, Heilongjiang (Map 35).  
*Coscinia libyssa* (PÜNGELER, 1907); Soc. Ent. **22** (4): 25-26 (*Euprepia*). Type locality: "Vaterlandsangabe Magent'a (Algier)" [Algeria].  
 = *Emydia (Coscinia) powelli* OBERTHÜR, 1907; Bull. Soc. Ent. Fr. **1907**: 330-331 [*Emydia (Coscinia) Powellii*]. Type locality: "... ont été obtenus à Sebdoù".  
 = *E[mydia] (Coscinia) powelli* var. *haroldi* OBERTHÜR, 1907; Bull. Soc. Ent. Fr. **1907**: 331 [E. (*Coscinia*) *Powellii* var. *Haroldi*]. Type locality: "... ont été obtenus à Sebdoù". North-West Africa: from Lybia to Morocco; Italy: Sicily: Etna Mt. The nominotypical subspecies is distributed in North-West Africa.  
*C. libyssa caligans* TURATI, 1907; Naturalista sicil. **20** (1-2-3): 45-46, t. 3, f. 21 (*Coscinia caligans*). Type locality: "sui Monti Rossi, nel gruppo dell'Etna" [Italy: Sicily]. Italy: Sicily: Etna Mt.  
*Coscinia mariarosae* EXPÓSITO, 1991; Rev. Lep. **19** (73): 31-33, fig. 1, 2, 3. Type locality: "Mallorca (Baleares), Monte Alfabia, a 1.068 m" [Spain]. Europe: Spain: Baleares.  
*Coscinia romei* DE SAGARRA, 1924; Bull. Inst. Catal. Hist. Nat. (2a Ser.) **4** (9): 196-197. Type locality: "Albarracín (Aragó)" [Spain]. Europe: Central and southern Spain.  
 Subgenus *Lerautia* KEMAL & KOÇAK, 2006, Centre Ent. Stud. Misc. Papers **100**: 5. Replacement name for *Eucoscinia* LERAUT, 1993, nec PORNELL, 1872, Pal. Oran. **5**: 83 (Spongia).  
 = *Eucoscinia* LERAUT, 1993; Ent. Gallica **4** (4): 136; Type species: *Lithosia bifasciata* RAMBUR, 1832, by original designation.  
*Coscinia (Lerautia) bifasciata* (RAMBUR, 1832); Ann. Soc. ent. Fr. **1**: 270-271, pl. 8, fig. 11 (*Lithosia bifasciata*). Type locality: "... se montre dans toute la Corse, mais il affectionne surtout les montagnes" / [France: Corse] „principalement en montagna“ (de TOULGOËT, 1981). Mediterranean: France: Corsica; Italy: Sardinia.  
*Epimydia* STAUDINGER, 1892; Dt. Ent. Z. Iris **5**: 346.  
 Type species: *Epimydia dialampra* STAUDINGER, 1892, by monotypy.  
*Epimydia dialampra* STAUDINGER, 1892; Dt. Ent. Z. Iris **5**: 346-347, t. 3, f. 2. Type locality: "Kentei" [Dorf Kudara] [Russia: Buryatia: Malkhan Mts., Kudara-Somon]. Asian Russia: South Siberian mountains: Altai, Kuznetsk Mts., Tuva, West and East Sayan, Baikal, Transbaikalia, central and eastern Yakutia; northern Mongolia (Map 36).  
 Note: Record from the East Tien Shan was based on an incorrect label.  
*Tinoliodes* WILEMAN, 1915; Entomologist **48**: 110 (attributed to HAMPSON).  
 Type species: *Tinoliodes benguetensis* WILEMAN, 1915, by original designation.  
 = *Niasana* ROEPKE, 1937; Ent. Z. **51**: 194. Type species: *Arctia dehanna* PAGENSTECHER, 1885, by original designation.  
*Tinoliodes benguetensis* WILEMAN, 1915; Entomologist **48**: 110. Type locality: "Palali (2000 ft.) in the subprovince of Benguet, Luzon" [Philippines].  
*Tinoliodes dehanna* (PAGENSTECHER, 1885); Jb. Nassau. Ver. Naturk. **38**: 14, pl. 1, fig. 10 (*Arctia Dehanna*). Type locality: "Insel Nias" [Indonesia].  
 = *Niasana dehanna ruberrima* ROEPKE, 1937; Ent. Z. **51** (18): 195. Type locality: "Simalur" [Is.] [Indonesia].  
 = *Niasana dehanna javana* ROEPKE, 1937; Ent. Z. **51** (18): 195. Type locality: "W.-Java" [Indonesia].  
 = *Niasana dehanna borneana* ROEPKE, 1937; Ent. Z. **51** (18): 196, fig. 8. Type locality: "Beide von Sangkulirang, O.-Borneo" [eastern Malaysia]. Western Sundaland: Sumatra, Java, Borneo.

**Nyctemerini**Type genus: *Nyctemera* HÜBNER, [1820]

by

ROBERT DE VOS &amp; VLADIMIR V. DUBATOLOV

***Utetheisa*** HÜBNER, [1819] 1816, Verz. bekannter Schmett.: 168.Type species: *Phalaena ornatrix* LINNAEUS, 1758, by subsequent designation by KIRBY (1892), Syn. Cat. Lep. Het. **1**: 345.  
= *Deiopeia* CURTIS, 1827, Br. Ent. **4**: 169. Type species: *Phalaena pulchella* LINNAEUS, 1758, by original designation.***Utetheisa antennata*** (SWINHOE, 1893); Ann. Mag. Nat. Hist. (6) **12**: 215-216 (*Deiopeia*). Type locality: "Nicobars, Camorta" [India].  
Indian Ocean: India: Nicobar Isl.***Utetheisa lotrix*** (CRAMER, 1779); Pap. Exot. **2**: 19-21, pl. 109, figs. E, F ([*Phal.[aena] Tineae*] *Lotrix*). Type locality: "Côte de Coromandel" [India].= *Utetheisa pulchella tenuella* SEITZ, 1910; Gross-Schmett. Erde **2**: 73, fig. 13k. Type locality: "... Ost-Asiaten ...".= *Utetheisa indica* ROEPKE, 1941; Tijdschr. Ent. **84** (1): 6. Type locality: "Eastern species ... Sumatra ... Java ... India".= *Utetheisa lutescens* ROEPKE, 1941; Tijdschr. Ent. **84** (1): 7. Type locality: "Sumatra".Western and southern Arabia; south-eastern Iran (DUBATOLOV & ZAHIRI, 2005); south-eastern Afghanistan (EBERT, 1973); Pakistan; Sri Lanka; India; Nepal; China: eastern Tibet, Sichuan, Yunnan, Guangdong, Fujian; Taiwan; vagrant in Japan (recorded north to Honshu); Burma (Myanmar); Indochina; Philippines; Indonesia; New Guinea; Australia; New Zealand (immigrant); south-western Oceania east to Loyalty Is.; North (Tunis: DE FREINA & WITT, 1987: Taf. 4, Fig. 72, as *U. pulchella pulchella* (L.) f. *pallida*), West, Central and East Africa, Madagascar, Seychelles.***Utetheisa pulchella*** (LINNAEUS, 1758); Syst. Nat. (Edn. 10) **1**: 534 ([*Phalæna Pyralis*] *pulchella*). Type locality: "Habitat in Europa australi; in Mauritania" [South Europe and North Africa]. Lectotype designated by ROBINSON & NIELSEN (1983: 225).= *N.[octua] pulchra* [DENIS & SCHIFFERMÜLLER], 1775, nomen nudum; Ankündigung syst. Werkes Schmett. Wienergegend: 68. Type locality: "Wienergegend" [Austria].= *Ph.[alaena] Noctua Pulchra* ESPEY, 1786; Schmett. Abb. nach der Natur **4**: 570-575, pl. 164, fig. 3-5. Type locality: "Wien" [Austria].= *Deiopeia thyter* BUTLER, 1877b; Trans. Ent. Soc. London **1877**: 361-362. Type locality: "Turkey, Punjab" [India/Pakistan: Punjab].= *Utetheisa shyama* BHATTACHERJEE & GUPTA, 1969; Entomologist **102**: 211-213, text figs. A. Type locality: "Pusa (Bihar)" [India].= *Utetheisa shiba* BHATTACHERJEE & GUPTA, 1969; Entomologist **102**: 213-214, text figs. B. Type locality: "Pusa (Bihar)" [India].= *Utetheisa menoni* BHATTACHERJEE & GUPTA, 1969; Entomologist **102**: 217-218, text figs. E. Type locality: "Delhi" [India].

Africa; Mediterranean, vagrant into Central Europe, north to southern England, southern Scandinavia, Belarus, vagrant in European Russia north to Ladoga Lake and Lower Kama; Arabia; Near East; Turkey; Transcaucasus; Iraq; Iran; Central Asia, vagrant into Kazakhstan north to Semipalatinsk; Afghanistan (EBERT, 1973); Pakistan; Sri Lanka; India; Burma (Myanmar); China: Xinjiang (ALPHERAKY, 1982: 25). Introduced into the West Indian islands: Guadelupe (from 1983), Martinique (from 1963) and Sent-Bartolomeo.

***Utetheisa pulchelloides*** HAMPSON, 1907; Ann. Mag. Nat. Hist. (7) **19**: 239-240 (*Utetheisa pulchelloides*). Type locality: "CHAGOS IS., Peros Banhos" (JORDAN, 1939).

Pakistan; India north to Rajasthan, Sikkim and Assam; Sri Lanka; Indochina; Malaysia; Indonesia; Philippines; China: eastern Tibet, Yunnan, Guangdong, Guangxi; Taiwan; vagrant to Japan north to Honshu; islands of Indian Ocean, including Madagascar; New Guinea; Australia; Oceania, vagrant to Vanuatu, New Caledonia, Norfolk, New Zealand (HOLLOWAY, 1988). Nominotypical subspecies is distributed in Chagos Is.; Seychelles; Amirantes and Cargados Carajos Is. (JORDAN, 1939).

***U. pulchelloides vaga*** JORDAN, 1939; Novit. Zool. **41**: 284-285, figs. 228, 232, 252-254 (*Utetheisa pulchelloides vaga*). Type locality: "Semplak, W. Java" [Indonesia].= *Utetheisa lotrix*, sensu ROEPKE, 1941; Tijdschr. Ent. **84** (1): 3. Pakistan; India; Sri Lanka; Indochina; Malaysia; Indonesia east to Moluccas; Australia; Oceania (partly); Philippines; China; Taiwan; vagrant to Japan; vagrant to Madagascar. Note: FANG (1985: 77) recorded *U. p. pectinata* auct., nec HAMPSON, 1907 from China: Guangdong. The status of such specimens is uncertain.***Utetheisa (pulchelloides) amhara*** JORDAN, 1939, Novit. Zool. **41**: 276. Type locality: "Somaliland: Dunbar; Abyssinia: Harar, Diré Daoua, Kumbi, Hauash R. west of Addis Abeba; Cheren in Eritrea; Sokoke near coast of Kenya." Ethiopia, Somalia, Kenya, Saudi Arabia (GOODGER & WATSON, 1995).***Utetheisa semara*** MOORE, 1859; Cat. Lep. Ins. Mus. Nat. Hist. East Ind. House **2**: 307, t. 7a, f. 12. Type locality: "Java" [Indonesia].  
Indonesia: Java, Lombok, Sulawesi (JORDAN, 1939).***Utetheisa sumatrana*** ROTHSCHILD, 1910; Novit. Zool. **17** (2): 182; 18: t. 6, f. 31. Type locality: "Deli, North-East Sumatra" [Indonesia].  
Indonesia: north-eastern Sumatra.Subgenus ***Pitasila*** MOORE, 1877, Proc. Zool. Soc. London **1877**: 599.Type species: *Pitasila leucospilota* MOORE, 1877, by monotypy (the subgenus was revised by DE VOS, 2007).**Selecta group*****Utetheisa (Pitasila) abraxoides*** (WALKER, 1862); J. Proc. Linn. Soc. London (Zool.) **6**: 93 (*Nyctemera*). Type locality: "Sarawak, in Borneo" [Malaysia]. Sundaland: Borneo.***Utetheisa (Pitasila) assamica*** DE VOS, 2007; Aldrovandia **3**: 46, figs 26, 104, 170. Type locality: "NE India - Assam, Dibru Saikova Wildlife Sankt., 20 km N Tinsukia, 100 m, 27°35'N - 95°22'E". India: Assam.***Utetheisa (Pitasila) disrupta*** (BUTLER, 1887); Ann. Mag. Nat. Hist. (5) **19**: 223 (*Pitasila disrupta*). Type locality: "Alu" [Solomon Is.]. Lectotype designated by DE VOS (2007: 47). Philippines (Negros); Caroline Islands; Indonesia: Sumatra, Natuna (Bunguran), Sulawesi, Moluccas, Irian Jaya; New Guinea; Solomon Isl. (DE VOS, 2007).

- U. (Pitasila) disrupta burica* (HOLLAND, 1900); Novit. Zool. 7 (3): 560 (*Nyctemera burica*). Type locality: "Buru" [Indonesia]. Lectotype designated by DE VOS (2007: 48).  
 =*Nyctemera angalensis* MATSUMURA, 1930; Ins. Matsum. 5: 32, 61, t. 1: 13. Type locality: "Micronesia ... Angal". Philippines (Negros); Caroline Islands; Indonesia: Sumatra, Natuna (Bunguran), Sulawesi, Moluccas, Irian Jaya; New Guinea (DE VOS, 2007).
- Utetheisa (Pitasila) flavothoracica* DE VOS, 2007; Aldrovandia 3: 50-51, figs 33-34, 107, 141, 171. Type locality: "Phil., ... Leyte, 600 m, Mahaplag, Hilusig, Mt. Balocau" [Philippines]. Philippines: Leyte, Mindanao, Samar (DE VOS, 2007).
- U. (Pitasila) flavothoracica camarinensis* DE VOS, 2007; Aldrovandia 3: 51-52, figs 35-36, 171. Type locality: "Philippines, Camarines Sur: Mt. Isarog, 800-900 m". Philippines: Province Camarines del Sur, southern Luzon.
- Utetheisa (Pitasila) fractifascia* (WILEMAN, 1911); Entomologist 44: 31-32 (*Deilemera fractifascia*). Type locality: "Kanshrei (1000 ft.) ... Poppawnia, Suisha (3000-4000 ft.?)" [Taiwan]. Lectotype designated by DE VOS (2007: 40).  
 =*Nyctemera basistrigata* REICH, 1932; Int. Ent. Z. 26: 237, t. 1, f. 6. Type locality: "S. Formosa, Kosempo" [Taiwan].
- Utetheisa (Pitasila) inconstans* (BUTLER, 1880); Proc. Zool. Soc. London 1880: 672 (*Pitasila inconstans*). Type locality: "Formosa ... at Takow". Lectotype designated by DE VOS (2007: 39).  
 =*Nyctemera brylancik* BRYK, 1937; Lep. Cat. 82: 64, replacement name for *Pitasila inconstans*.  
 =*Nyctemera okinawensis* INOUE, 1982; Moths of Japan 1: 658-659, 2: 341, pl. 162, fig. 14-16. Type locality: "Iriomote [upper valley]" [Japan]. Taiwan. Japan: Ryukyu: Tokunoshima, Okinawa, Ishigaki, Iriomote, Minami-Daitoshima.
- Utetheisa (Pitasila) leucospilota* (MOORE, 1877); Proc. Zool. Soc. London 1877: 599, pl. 59, fig. 7 (*Pitasila leucospilota*). Type locality: "S. Andamans (Port Blair)". Lectotype designated by DE VOS (2007: 43).  
 Indian Ocean: India: Andaman and Nicobar Islands (DE VOS, 2007).
- Utetheisa (Pitasila) mendax* DE VOS, 2007; Aldrovandia 3: 50, figs 32, 106, 171. Type locality: "P.I. [Philippine Islands], Misamis Or., Minubanan, 1050-1200 m". Philippines: Misamis oriental, Mindanao (DE VOS, 2007).
- Utetheisa (Pitasila) nivea* DE VOS, 2007; Aldrovandia 3: 49-50, figs 31, 140, 171. Type locality: "Boloboc, Sanga Sanga Is., Tawi Tawi Gr., Phil., 15 m". Philippines: Sanga sanga Island, a small island in the Tawi tawi group of the Sulu Archipelago (DE VOS, 2007).
- Utetheisa (Pitasila) selecta* (WALKER, 1854); List Spec. lep. Ins. Colln Br. Mus. 2: 399 (*Nyctemera*). Type locality: "-?" not stated, probably, Philippines.  
 =*Nyctemera bijunctella* WALKER, 1866; List Spec. lep. Ins. Colln. Br. Mus. 35: 1880-1881. Type locality: "Philippine Isles".  
 =*P.[itasila] Bipunctella* KIRBY, 1892; Syn. Cat. Lep. Het. 1: 424, replacement name for *Nyctemera bijunctella* WALKER, 1866 (cited as *bipunctella* WALKER, 1866); Cat. Lep. Het. B. M. 35: 1880.  
 =*Leptosoma maculosum* FELDER, [1868], 1869; Reise ost. Fregatte Novara (Zool.) 2 (Abt. 2): 6, t. 103, f. 2. Type locality: "Luzon" [Philippines].  
 =*Deilemera semperi* SWINHOE, 1903b; Trans. Ent. Soc. London 1903: 57-58. Type locality: "PALAWAN" [Philippines].  
 Philippines, including Palawan (DE VOS, 2007).
- Utetheisa (Pitasila) varians* (WALKER, 1854); List Spec. lep. Ins. Colln. Br. Mus. 2: 400-401 (*Nyctemera varians*). Type locality: "East Indies" [Moulmein, Burma], by the lectotype designation by DE VOS (2007: 45).  
 =*Pitasila moolaica* MOORE, 1878c; Proc. Zool. Soc. London 1878: 847, t. 53, f. 10. Type locality: "Moolai, 3000-6000 feet". Lectotype designated by DE VOS (2007: 45).  
 Northern India (Himalayas, including Kashmir, Sikkim, Assam, Arunachal Pradesh); Bhutan; Bangladesh; South China: Yunnan, Guangxi, Hainan; Burma (Myanmar); Indochina (DE VOS, 2007).
- Utetheisa (Pitasila) variolosa* (FELDER & ROGENHOFER, [1869] 1874); Reise öst. Fregatte Novara (Zool.) 2 (Abt. 2): 14, t. 129, f. 15 (*Nyctemera*). Type locality: "patr.? Ind.?"  
 =*Nyctemera nicobarensis* REICH, 1932; Int. Ent. Z. 26: 236, t. 2, f. 2. Type locality: "Nicobaren" [India]. Lectotype designated by DE VOS (2007: 44).  
 Indian Ocean: India: Andaman and Nicobar islands; very rare (DE VOS, 2007)
- Utetheisa (Pitasila) witti* DE VOS, 2007; Aldrovandia 3: 52-53, figs 37-38, 108, 142, 172. Type locality: "Philippinen, Mindanao, Bukidnun, Mt. Kitanglad Süd, Intavas, 2200 m". Philippines: Mountains in Mindanao and Negros (DE VOS, 2007).

#### *Specularis group*

- Utetheisa (Pitasila) vandenbergi* (NIEUWENHUIS, 1948); Tijds. Ent. 89: 142, pl. 2, f. 9 (*Nyctemera*). Type locality: "Banggai-Archipel ... Noelion" [Indonesia]. Indonesia: Sulawesi, Banggai, Bali.

#### *Vollenhovii group*

- Utetheisa (Pitasila) balinensis* DE VOS, 2007; Aldrovandia 3: 63-65, figs 61-62, 117, 152, 174. Type locality: "Nederlands Indië, Bali, 1500 m, Git-Git" [Indonesia].  
 Indonesia: Bali, Nusa Penida (a small island east of Bali), Kangean (north of Bali) and Lombok (DE VOS, 2007).

*Nyctemera* HÜBNER, [1820], 1816, Verz. bekannter Schmett.: 178.

Type species: *Phalaena lactinicia* CRAMER, 1777, by subsequent designation by HAMPSON (1894),

Fauna Br. India (Moths) 2: 46.

- =*Leptosoma* BOISDUVAL, 1832; Voyage de Découvertes de l'Astrolabe (Faune ent.) 1: 197, nec Desmarest, 1823; Dict. Sci. nat. 28: 421 (Crustacea). Type species: *Leptosoma annulatum* BOISDUVAL, 1832, by subsequent designation by MEYRICK (1912), Trans. N. Z. Inst. 44: 93.  
 =*Amathes* GISTL, 1848; Naturg. Thierreichs: IX, replacement name for *Leptosoma* BOISDUVAL, 1832, nec *Amathes* HÜBNER, [1821] 1816; Verz. bekannter Schmett.: 222 (Noctuidae).

- Nyctemera (Nyctemera) baulus* (BOISDUVAL, 1832); Voyage de Découvertes de l'Astrolabe (Faune ent.) 1: 200 (*L.[leptosoma] baulus*). Type locality: "Bourou" [Indonesia]. India: Great Nicobar; Thailand; Malaysia; Taiwan (HEPPNER & INOUE, 1992); Philippines; Indonesia; New Guinea; northern Australia (Queensland); Oceania: Samoa (HOLLOWAY, 1988), New Caledonia (DE VOS & ČERNÝ, 1999).
- N. (Nyctemera) baulus baulus* (BOISDUVAL, 1832); Voyage de Découvertes de l'Astrolabe (Faune ent.) 1: 200 (Leptosoma). Type locality: Buru (ROEPKE, 1949).  
 =*Nyctemera mundipicta* WALKER, 1859; J. Proc. Linn. Soc. London (Zool.) 3: 184. Type locality: "Singapore".  
 =*Nyctemera integra* WALKER, 1866; List Spec. lep. Ins. Colln. Br. Mus. 35: 1879. Type locality: "Philippine Isles".  
 Main part of the species distribution excluding some islands in Oceania, Solomon Is. and few small islands east from Sulawesi.
- Nyctemera (Nyctemera) cenis* (CRAMER, 1777); Pap. Exot. 2: 82, 148, t. 147, fig. E (*Phal.[aena] Geomet.[ra] ... Cenis*). Type locality: "China ... Chine".  
 =*Nyctemera (Orphanos) interlecta* WALKER, 1854; List Spec. lep. Ins. Colln Br. Mus. 2: 400. Type locality: "Silhet" [Bangladesh: Sylhet]. Synonymy by HEPPNER & INOUE (1992).  
 =*Deilemema cenis parva* SWINHOE, 1917b; Ann. Mag. Nat. Hist. (8) 19: 414. Type locality: "Au-San, Central Formosa" [Taiwan].  
 Bangladesh; India: Kashmir; Himalayas within Himachal Pradesh, Uttar Pradesh, West Bengal, Sikkim, Assam, Arunachal Pradesh, Meghalaya (ARORA & CHAUDHURY, 1982); Nepal; Bhutan; Burma (Myanmar); Vietnam; China: Yunnan, Zhejiang; Taiwan; Japan (Ryukyu).
- Nyctemera (Nyctemera) lactinia* (CRAMER, 1779); Uitlandsche Kapellen [Papillons Exot.] 2: 47, 149, pl. 128, fig. E (*Phal.[aena] Geomet.[ra] ... Lactinia*). Type locality: "op de Kust van Coromandel ... à la Côte de Coromandel" [India].  
 =*Deilemema homogona* SWINHOE, 1917b; Ann. Mag. Nat. Hist. (8) 19: 414-415. Type locality: "Hué, Annam".  
 =*Deilemema latera* SWINHOE, 1917c; Ann. Mag. Nat. Hist. (8) 20: 159-160. Type locality: "Kiayih, Central Formosa." Synonymy by Heppner & Inoue (1992).  
 =[*Nyctemera latistriga*] subsp. *simplicior* BRYK, 1937; Lep. Cat. 82: 68, replaced name for *Nyctemera latistriga* ab. *simplicior* SEITZ, 1915; Gross-Schmetterlinge der Erde 10: 268, fig. 29c. Type locality: "Nias" [Indonesia]. Sri Lanka; Bangladesh; India: southern India, West Bengal, Assam, Meghalaya, Andaman Is.; Nepal; China: Guangdong, Zhejiang; Hong Kong; Taiwan; Japan (Ryukyu); Burma (Myanmar); Thailand; Vietnam; Cambodja; Malaysia; Sundaland east to Borneo. Indian Ocean: Maldive Islands.
- Nyctemera (Nyctemera) latistriga* WALKER, 1854, List Spec. lep. Ins. Colln. Br. Mus. 2: 397. Type locality: "East Indies" + "Silhet" + "North India" + "Ceylon". Moulmein [Burma] (SWINHOE, 1892).  
 =*Leptosoma inconstans* SNELLEN VAN VOLLENHOVEN, 1863; Tijdschr. Dierk. 1: 47-48. Type locality: "Java ... Borneo".  
 =*Nyctemera latistriga negritorum* SEITZ, 1915; Gross-Schmett. Erde 10: 268, f. 29c. Type locality: "Nias" [Indonesia].  
 =*Leptosoma leucostigma* SNELLEN VAN VOLLENHOVEN, 1863; Tijdschr. Dierk. 1: 44. Type locality: "Java" [Indonesia].  
 =*Leptosoma nubecula* SNELLEN VAN VOLLENHOVEN, 1863; Tijdschr. Dierk. 1: 44-45. Type locality: "Java" [Indonesia].  
 =*Deilemema ovada* SWINHOE, 1903b; Trans. Ent. Soc. London 1903: 82. Type locality: "Waingapo, Sumba Isl." [Indonesia].  
 =*Leptosoma pallens* SNELLEN VAN VOLLENHOVEN, 1863; Tijdschr. Dierk. 1: 45-46. Type locality: "Java" [Indonesia].  
 =*Tanada? amplificata* WALKER, 1865; List Spec. lepid. Ins. Colln. Br. Mus. 32: 377-378. Type locality: "-?".  
 =*Leptosoma flavescens* SNELLEN VAN VOLLENHOVEN, 1863; Tijdschr. Dierk. 1: 46-47. Type locality: "Sumatra" [Indonesia].  
 Sri Lanka; Bangladesh; East India, Andaman and Nicobar Is.; Burma (Myanmar); China (Hainan Island); Vietnam; Malaysia Malay Peninsula; Sundaland (Sumatra, Nias, Java, Borneo, east to Lombok, Sumba, Ambon, Sulawesi, Bangai Islands); Philippines.
- Nyctemera (Nyctemera) pagenstecheri* PAGENSTECHER, 1898; Jahrb. Nassau. Ver. Naturk. 51: 198-200. Type locality: "Lombok" [Indonesia]. Indonesia: Lesser Sunda Islands: Lombok, Sumbawa, Flores, Pulau Laut (S. Borneo).
- Nyctemera (Nyctemera) sontica* (SWINHOE, 1892); Cat. Lep. Het. Mus. Oxf. 1: 142 (*Leptosoma sontica*). Type locality: "Philippines".  
 = *Nyctemera sontica* ab. *homologa* SEITZ, 1915; Gross-Schmett. Erde 10: 272, f. 30b. Type locality: "Camotes" [Philippines].  
 =*Deilemema purata* SWINHOE, 1917; Ann. Mag. Nat. Hist. (8) 19: 335. Type locality: "Luzon, Philippines". Philippines; Borneo.
- Subgenus *Orphanos* HÜBNER, [1825] 1816
- Verz. bek. Schmett.: 306. Type species: *Phalaena tripunctaria* LINNAEUS, 1758, by subsequent designation by WATSON et al. (1980: 136).  
 =*Trypheromera* BUTLER, 1881c, Ill. typ. Spec. Lep. Het. Colln Br. Mus. 5: ix, 45. Type species: *Nyctemera plagifera* WALKER, 1854, by original designation.  
 =*Zonosoma* BUTLER, 1881c; Ill. typ. Spec. Lep. Het. Colln Br. Mus. 5: ix, 44, nec LEDERER, 1853; Verh. zool.-bot. Ver. Wien 3: 194 (Geometridae). Type species: *Nyctemera interlecta* WALKER, 1854, by original designation.  
 =*Tristania* KIRBY, 1892; Syn. Cat. Lep. Het. 1: 423, replacement name for *Zonosoma* BUTLER, 1881; nec BÖTTGER (1878), Offenbacher Ver. Naturk. 17-18: 19 (Mollusca).
- Nyctemera (Orphanos) adversata* (SCHALLER, 1788); Beytr. ges. exot. Pap. Naturforscher, Halle (Jena) 23: 52, pl. 1, fig. 13 (*Phalaena Geometra*). Type locality: „Das Vaterland dieses Vogels kann nicht eigentlich bestimmt werden.“ [Not stated, probably, East Asia].  
 =*Nyctemera plagifera* WALKER, 1854; List Spec. lep. Ins. Colln Br. Mus. 2: 400. Type locality: "Silhet" [Bangladesh] + "Hong Kong".  
 =*Nyctemera plagifera* f. *lacticolora* REICH, 1932; Int. Ent. Z. 26 (22): 235, t. 1, f. 2. Type locality: "Cherra Punji." [Khasi Hills, Meghalaya, India]. Sri Lanka; Bangladesh; India; Nepal; Bhutan; China: Tibet, Sichuan, Yunnan, Guangdong, Hainan, Hong Kong, Guangxi, Henan, Hunan, Jiangxi, Zhejiang, Fujian; Taiwan; Japan north to Honshu; Thailand; Malay Peninsula; Sundaland: Sumatra, Java, Borneo; Philippines (DE VOS & ČERNÝ, 1999).
- Nyctemera (Orphanos) apensis* SEMPER, 1899; Philipp. Schmett. 2: 496, t. 55, f. 9. Type locality: "Berge Apó in Südost-Mindanao, 2060 m. hoch." Philippines: Mindanao.

- Nyctemera (Orphanos) calcicola* HOLLOWAY, 1988; *Moths of Borneo* 6: 71, pl. 5: 16, fig. 120, 138 (gen.). Type locality: "SARAWAK: Gunong Mulu Nat. Park ... 1200 m Pinnacles Camp" [Malaysia]. Sundaland: Borneo.
- Nyctemera (Orphanos) distincta* WALKER, 1854; List Spec. lep. Ins. Colln. Br. Mus. 2: 392-393 Type locality: "-?" + "Java" [Indonesia]. = *Leptosoma anthracinum* SNELLEN VAN VOLLENHOVEN, 1863; Tijdschr. Dierk. 1: 38-39. Type locality: "Java" [Indonesia]. Indonesia: Java, Bali, Flores, Adonara, Pura.
- Nyctemera (Orphanos) clarior* ROEPKE, 1957; Tijdschr. Ent. 100: 151-153, pl. 8, f. 10 (*Nyctemera floresicola clarior*). Type locality: "Kaju Aro, Mount Korintji, about 1600 m" [Sumatra, Indonesia]. = *Nyctemera floresicola corbeti* ROEPKE, 1957; Tijdschr. Ent. 100: 163. Type locality: "Bukit Kutu" [Malaysia]. Malay Peninsula; Indonesia: Sumatra, Siantar (Anambas Islands).
- Nyctemera (Orphanos) kinibalina* SNELLEN, 1899; Tijdschr. Ent. 42: 110-111, t. 5, f. 2 (*Nyctemera Kinibalina*). Type locality: "Noord-Borneo (Kini-Baloe)." Sundaland: Borneo. = *Deilemera kinabalina*, SWINHOE, 1903b; Trans. Ent. Soc. London 1903: 81, incorrect subsequent spelling.
- Nyctemera (Orphanos) malaccana* ROEPKE, 1957; Tijdschr. Ent. 100: 165, pl. 9, f. 6, 12, text-fig. 7: Type locality: "Pahang, Federated Malay States, Cameron Highlands, 4800 feet" [Malay Peninsula].
- Nyctemera (Orphanos) ploesslo* ČERNÝ, 2009; *Moths of Thailand* 6: 203-204 (*Nyctemera ploesslo*). Type locality: "SW Thailand, Nakhon Si Thammarat, khao Luang NP, 270 m".
- Nyctemera (Orphanos) popiya* (SWINHOE, 1903); Trans. Ent. Soc. London 1903: 69, t. 3, f. 3, 7 (*Deilemera popiya*). Type locality: "JAVA" [Indonesia].
- Nyctemera (Orphanos) radiata* WALKER, 1856; List Spec. lep. Ins. Colln. Br. Mus. 7: 1664. Type locality: "Manilla" [Philippines]. = *Nyctemera alternata* WALKER, 1866; List Spec. lep. Ins. Colln. Br. Mus. 35: 1879-1880. Type locality: "Philippine Isles", Manilla (SWINHOE, 1892). = *Leptosoma proprium* SWINHOE, 1892; Cat. East. Austral. Lep. Het. Oxf. Mus. 1: 144, t. 5, f. 12. Type locality: "Manilla, Philippine Islands". = *Leptosoma eryla*, BOISDUVAL, i.l.: SEMPER, 1899; Philipp. Schmett. 2 (Het.): 494. Introduced as a synonym of *Nyctemera radiata* Wlk. Type locality: "Luzon, Bohol, Cebu, camiguin de Mindanao, Mindanao" [Philippines]. = *Leptosoma convexa* SEMPER, 1899; Philipp. Schmett. 2 (Het.): 495 [described as a synonym of *Nyctemera radiata*]. Type locality: "Luzon, Camiguin de Mindanao, Mindanao" [Philippines]. = *Nyctemera propria loligo* SEITZ, 1915; Gross-Schmett. Erde 10: 268, fig. 29c. Type locality: "Camotes" [Philippines]. = *Nyctemera alternata semibrunea* SEITZ, 1915; Gross-Schmett. Erde 10: 268, fig. 29d, replaced name for *alternata* sensu SEMPER. = *Nyctemera latistriga kotoshonis* MATSUMURA, 1930; Ins. Matsum. 5: 33, pl. 1, fig. 16. Type locality: "Formosa ... Kotosho" [Taiwan]. Philippines, Taiwan. Note: HEPPNER & INOUE (1992) treated *kotoshonis* MATSUMURA, 1930 as a good species.
- Nyctemera (Orphanos) regularis* (SNELLEN, 1880); Midden Sumatra 4 (8): 34-35 ([*Leptosoma*] *Regularis*). Type locality: "Soengei Aboe" [Sumatra, Indonesia]. = *Secusio picatus* BUTLER, 1881a; Ann. Mag. Nat. Hist. (5) 8: 380. Type locality: Sumatra (ROEPKE, 1957). Sundaland: Sumatra, Nias, Laut Tadoe, Java, Borneo.
- N. (Orphanos) regularis crameri* ROEPKE, 1949; Trans. Roy. Ent. Soc. London 100: 53, pl. I, fig. 9 ♂, 10 ♀; text-fig. 4 (*Nyctemera crameri crameri*), replaced name for *lacticinia* auct., nec CRAMER. Type locality: "E. Java only (Mt. Mayang, Mt. Raung, Mt. Idjen)". Indonesia: Java.
- N. (Orphanos) regularis snelleni* PAGENSTECHER, 1901; Jahrb. Nassau Ver. Naturk. 54: 139, 48 (*Nyct[emera] snelleni* STAUD. i. l., as a synonym of *Nyctemera regularis* SNELL.). Type locality: "Borneo (Kinibalu)" [East Malaysia]. Sundaland: Borneo.
- Nyctemera (Orphanos) sumatrensis* HEYLAERTS, 1890; Compt. Roy. Soc. Ent. Belg. 34: XVII. Type locality: Pahang, Sumatra [Indonesia] (ROEPKE, 1957). = *Nyctemera nesites* SEITZ, 1915; Gross-Schmett. Erde 10: 269, f. 29f, replacement name for *sumatrensis* HEYL., nec PAG. = *Deilemera instar* ROTHSCHILD, 1920; J. Fed. Malay. St. Mus. 8 (3): 135. Type locality: "Korinchi, West Sumatra ... Sungei Kumbang, Korinchi, 4,500 feet, ...; Barong Bharu, Korinchi, 4,000 feet, ...; Japan, Lat. 2° S." [Indonesia]. Indonesia: Sumatra, Java (?).
- Nyctemera (Orphanos) tenompoka* HOLLOWAY, 1988; *Moths of Borneo* 6: 70, pl. 5: 8, fig. 25 (gen.). Type locality: "Tenompok, 1500 m" [East Malaysia, Borneo].
- Nyctemera (Orphanos) tripunctaria* (LINNAEUS, 1758); Syst. Nat. (Edn. 10) 1: 523 ([*P.[halena] Geometra*] *tripunctaria*). Type locality: "Asia" [Malaysia or Indonesia] (WATSON et al., 1980). = *Phalaena petulca* LINNAEUS, 1768; Iter in Chinam: 8. Type locality: China. = *Nyctemera atralba* HÜBNER, [1820]; Verzeichniss bekannter Schmetterlinge: 178. Type locality: unknown, probably Malaysia. = [*Nyctemera*] *perconfusa* ROEPKE, 1948 [1949]; Tijdschr. Ent. 89: 212. Type locality: "Brastagi, Deli" [India]. East India: Assam; Burma (Myanmar); Indochina; China: Guangdong, Guangxi; Malay Peninsula; Sundaland east to Sulawesi and Sumba; Philippines (Palawan) (DE VOS & ČERNÝ, 1999).
- N. (Orphanos) tripunctaria aequimargo* ROTHSCHILD, 1920; J. Fed. Malay Mus. 8 (3): 134 (*Deilemera aequimargo*). Type locality: "West Sumatra ... Pasir Ganting, Lat. 2° S" [Indonesia]. = [*Nyctemera tripunctaria*] *elzuniaekruscheae* BRYK, 1937; Lep. Cat. 82: 83, 92, replacement name for *sumatrensis* PAGENSTECHER, 1901, nec HEYLAERTS, 1890. Indonesia: Sumatra. Note: *N. t. aequimargo* ROTHSCHILD and *N. t. assimilis* SNELLEN VAN VOLLENHOVEN form a cline from West to East with specimens getting darker.
- N. (Orphanos) tripunctaria assimilis* (SNELLEN VAN VOLLENHOVEN, 1863); Tijdschr. Dierk. 1: 39 (*Leptosoma assimile*). Type locality: "Java" [Indonesia].

- =*Leptosoma confusum* SWINHOE, 1892; Cat. East. Austral. Het. Oxf. Mus. **1**: 144. Type locality: "Java" [Indonesia].
- =*Leptosoma kondekum* SWINHOE, 1892; Cat. East. Austral. Lep. Het. Oxf. Mus. **1**: 144. Type locality: "Java" [Indonesia].
- =*Deilemera coequalis* SWINHOE, 1915; Ann. Mag. Nat. Hist. (8) **16**: 177. Type locality: "Sumatra".
- =*Deilemera absurdum strictifascia* ROTHSCHILD, 1915; Novit. Zool. **22** (2): 215. Type locality: "Danau Bratan, Bali, 2500 ft."  
Indonesia: Sumatra (?), Java, Bali.
- N. (Orphanos) tripunctaria celsa* WALKER, 1864; List Spec. lep. Ins. Colln. Br. Mus. **31**: 199 (*Nyctemera celsa*). Type locality: "Cambodia" [Cambodja]. China: Hainan; Indochina.
- =*Nyctemera tripunctaria* *candidissima* SEITZ, 1915; Die Gross-Schmett. Erde **10**: 267, fig. 29b. Type locality: "Hainan" [China].
- N. (Orphanos) tripunctaria cydippe* WEYMER, 1885; Stettin. Ent. Z. **46** (1-3): 274-275, Taf. 2, fig. 8 (*Nyctemera Cydippe*). Type locality: "Nias" [Indonesia].
- =*Deilemera niasana* SWINHOE, 1906; Ann. Mag. Nat. Hist. (7) **18** (108): 406-407. Type locality: "Nias" [Indonesia].
- =*Deilemera optata* SWINHOE, 1903; Trans. Ent. Soc. London **1903**: 82, t. 4: 3. Type locality: "Sumatra", an error (!), should be Nias [Indonesia]. Indonesia: Nias, Siberut. Note: *optata* phenotypes have only been found on Sumatra in the opposite of the Island of Nias and on Nias itself (and Siberut).
- N. (Orphanos) tripunctaria lombokiana* (SWINHOE, 1903); Trans. Ent. Soc. London **1903**: 71 (*Deilemera lombokiana*). Type locality: "LOMBOCK" [Indonesia].
- =*Nyctemera floresicola* ROEPKE, 1954; Tijdschr. Ent. **97**: 259, pl. 3, f. 3; fig. 4 (gen.). Type locality: "Central Flores, Hua Besi, 700 m".  
Indonesia: Lombok, Flores, Sumba, Sumbawa, Alor.
- N. (Orphanos) tripunctaria simalura* ROEPKE, 1957; Tijdschr. Ent. **100**: 176, pl. 9, f. 8. Type locality: "Simalur" [Indonesia].
- Nyctemera (Orphanos) kiauensis* HOLLOWAY, 1976; Moths of Borneo **6**: 5, fig. 15, pl. 2: 22 (*Nyctemera kiauensis*). Type locality: "Kiau" [near Kampong Kiau (1000 m) at the foot of G.Kinabalu, Borneo].
- Subgenus *Arctata* ROEPKE, 1949, Trans. Roy. Ent. Soc. London **100**: 50.  
Type species: *Nyctemera arctata* WALKER, 1856, by monotypy.
- Nyctemera (Arctata) angustipennis* KISHIDA, 1994; Tinea **14** (1): 13-14, fig. 3-4, 15 (gen.). Type locality: "Philippines, Luzon, Mountain Prov., Mt. Data 2,250 m". Philippines.
- Nyctemera (Arctata) arctata* WALKER, 1856; List Spec. lep. Ins. Colln. Br. Mus. **7**: 1664 (*Nyctemera*). Type locality: [India]: Hindostan; [Assam], [Cherrapunji] "Cherra Poonjee".
- =*Nyctemera maculosa* WALKER, 1864; List Spec. lep. Ins. Colln. Br. Mus. **31**: 198. Type locality: "Hindostan" [India].  
Northern and eastern India; Bhutan; Nepal; China: Tibet, Yunnan; Burma (Myanmar); Thailand; Indonesia: Sumatra, Java.
- N. (Arctata) arctata javana* REICH, 1932; Int. Ent. Z. **26**: 237-238, t. 1, f. 3, 7 (*Deilemera arctata javana*). Type locality: "Java occ. ... Preanger, Vulkan Gede, Westjava ... Java ohne nähere Bezeichnung" [Indonesia].
- =*Nyctemera dentifascia*, KALIS, 1934a; Ent. Rundschau **51**: 41, figs. (nec SNELLEN). Locality: "auf dem Wilisgebirge - in Ost-Java; ... Dorado ... in einer Höhe von twa 3000 Fuß" [Indonesia]. Indonesia: Java, Bali.
- N. (Arctata) arctata regalis* ROEPKE, 1954; Tijdschr. Ent. **97**: 258-259 (*Nyctemera regalis*). Type locality: "Central Flores, 1200 m" [Indonesia, Flores].
- N. (Arctata) arctata scalaria* (SNELLEN VAN VOLLENHOVEN, 1863); Tijdschr. Dierk. **1**: 50-51 (*Leptosoma scalarium*). Type locality: "Java".
- =*Tripheromera zerenoides* BUTLER, 1881; Ann. Mag. Nat. Hist. (5) **8**: 380. Type locality: Sumatra (ROEPKE, 1957).  
Indonesia: Sumatra, Java.
- N. (Arctata) arctata tenuifascia* SNELLEN, 1898; Tijdschr. Ent. **41**: 26, t. 1, f. 2 (*Nyctemera tenuifascia*). Type locality: "Lombok; 4000 voet".
- N. (Arctata) albofasciata* (WILEMAN, 1911); Entomologist **44**: 31 (*Deilemera albofasciata*). Type locality: "from Kagi district (7000 ft.), Formosa" [Taiwan].
- =*Deilemera arctata* f. *tamahonis* MATSUMURA, 1931; 6000 illust. Insects Japan Empire: 953, fig. Type locality: Taiwan [in Japanese].  
Taiwan; Philippines: LUZON (DE VOS & ČERNÝ, 1999).
- Nyctemera (Arctata) browni* (SCHULTZE, 1908), Philipp. J. Sci. **3**: 31, t. 1: 6 (*Deilemera browni*). Type locality: "Manila, P[hilippine] I[slands]".
- =*Deilemera conjuncta* WILEMAN, 1915; Entomologist **48**: 111. Type locality: "Baguio, Benguet subprovince, Luzon (5000 ft.)".  
Philippines (DE VOS & ČERNÝ, 1999).
- Nyctemera (Arctata) consobriniformis* DE VOS & ČERNÝ, 1999; Nachr. Ent. Ver. Apollo NF **20** (2): 155-157, fig. 18, 36-37. Type locality: "Philippinen, Mindanao, Bukidnon, 40 km NW Maramag, Dalongdong, 800 m, Talakag, 7°53'N, 123°54'E, Waldrand".
- Nyctemera (Arctata) gratia* SCHULTZE, 1910; Philipp. J. Sci. **5**: 164, t. 1, f. 3. Type locality: "Province of Benguet, Pauai, P[hilippine] I[slands], 2,250 meters".
- =*Deilemera venata* WILEMAN, 1915; Entomologist **48**: 111. Type locality: "Haight's Place, Pauai, Luzon (7000 ft.)" [Philippines].
- =*Migoplastis philippinensis* ROTHSCHILD, 1933; Ann. Mag. Nat. Hist. (10) **11**: 192. Type locality: "Haight's Place, Panai, Pr. Benguet, Luzon, 7000 ft." [Philippines]. Philippines: Luzon, western Negros.
- Nyctemera (Arctata) kinabaluensis* (REICH, 1932); Int. Ent. Z. **26** (22): 238, t. 1, f. 5. (*Deilemera arctata kinabaluensis*). Type locality: "Kina balu" [East Malaysia, Borneo].
- Nyctemera (Arctata) kishidai* DE VOS & ČERNÝ, 1999; Nachr. Ent. Ver. Apollo NF **20** (2): 174, replacement name for *Nyctemera apoensis* KISHIDA, nec *N. apensis* SEMPER, 1899.

- =*Nyctemera apoensis* KISHIDA, 1994; *Tinea* **14** (1): 17-19, fig. 11, 17 (gen.). Type locality: "Philippines, Mindanao, Davao, Upper Baracatan, Apo Range, Mt Talamo 1,100 m". Philippines.
- Nyctemera (Arctata) lunulata* DE VOS & ČERNÝ, 1999; *Nachr. Ent. Ver. Apollo NF* **20** (2): 171-172, fig. 25-26, 45-46. Type locality: "Philippinen, Mindanao, Bukidnon, Mt. Kitanglad Süd, Intavas, 2200 m".
- Nyctemera (Arctata) luzonensis* WILEMAN, 1915; *Entomologist* **48**: 111-112. Type locality: "Haight's Place, Pauai, Luzon (7000 ft.)". Philippines: Luzon. The nominotypical subspecies is distributed in the central part of North Luzon.
- N. (Arctata) luzonensis squalida* DE VOS & ČERNÝ; *Nachr. Ent. Ver. Apollo NF* **20** (2): 178, fig. 31, 48-49. Type locality: "Philippines, S Luzon, Mt. Isarog".
- Nyctemera (Arctata) montana* HOLLOWAY, 1976; *Moths of Borneo*: 6, pl. 2: fig. 23 (*Nyctemera montana*). Type locality: "Kamburongoh ... [SABAH: Mt. Kinabalu, Kamborogoh 2110 m.]" [East Malaysia, Borneo].
- Nyctemera (Arctata) owadai* KISHIDA, 1994; *Tinea* **14** (1): 16-17, fig. 9-10, 16 (gen.). Type locality: "Philippines, Luzon, Mountain Prov., Sagada 1,550 m". Philippines.
- Nyctemera (Arctata) palawanica* DE VOS & ČERNÝ, 1999; *Nachr. Ent. Ver. Apollo NF* **20** (2): 158-163, fig. 20, 39. Type locality: "Philippinen, Insel Palawan, Mt. Magcasaw, Brooke's Point".
- Nyctemera (Arctata) robusta* DE VOS & ČERNÝ, 1999; *Nachr. Ent. Ver. Apollo NF* **20** (2): 167-170, fig. 24, 43-44. Type locality: "Philippinen, Mindanao, Bukidnon, Mt. Kitanglad, 1700 m".
- Nyctemera (Arctata) undulata* DE VOS & ČERNÝ, 1999; *Nachr. Ent. Ver. Apollo NF* **20** (2): 164-166, fig. 23, 41-42. Type locality: "Philippinen, Mindanao, Bukidnon, Mt. Kitanglad-Süd, Intavas, 2200 m".

Subgenus *Deilemema* HÜBNER, [1820] 1816, *Verz. bekannter Schmett.*: 179.

Type species: *Phalaena evergista* STOLL, 1781, by monotypy (the subgenus was revised by DE VOS, 2002).

- Nyctemera (Deilemema) carissima* (SWINHOE, 1891); *Trans. Ent. Soc. Lond.* **1891**: 477, pl. 19, fig. 1 (*Deilemema*). Type locality: "Khasia Hills" [Meghalaya, India]. Eastern India: Sikkim, Assam, Meghalaya (Khasis), Nagaland (Naga Hills), Arunachal Pradesh; Nepal; China: Guangdong, Hunan, Zhejiang, Fujian; Thailand; Malay Peninsula; Indonesia: northern Sumatra (DE VOS, 2002).
- N. (Deilemema) carissima formosana* (SWINHOE, 1908); *Ann. Mag. Nat. Hist.* (8) **1**: 63-64 (*Deilemema formosana*). Type locality: "Formosa". Taiwan; Japan: Ryukyu: Iriomote (YANAGITA, 1999). Note: HEPPNER & INOUE (1982) consider this taxon as a good species, but DE VOS (2002), after the type studying, thinks that it is not more than a subspecies.
- Nyctemera (Deilemema) luzonica* (SWINHOE, 1917); *Ann. Mag. Nat. Hist.* (8) **19**: 335 (*Deilemema luzonica*). Type locality: "Luzon, Philippines"; Luzon is not the correct locality, possibly, the type locality is South Philippines (DE VOS, 2002). Philippines: Luzon, Mindanao, Bohol, Sebu, Leite, Negros, Samar, Sibuyan (DE VOS, 2002).
- N. (Deilemema) luzonica plesiastes* WEST, 1932; *Novit. Zool.* **37** (2): 207-208 (*Deilemema plesiastes*). Type locality: "Philippine Is., Luzon I., subprov. Benguet, Baguio, 5,000 ft." Philippines: Northern Luzon.
- Nyctemera (Deilemema) maculata* WALKER, 1854; *List Spec. lep. Ins. Colln Br. Mus.* **2**: 396 (*Nyctemera maculata*). Type locality: "-?", most likely Java [Indonesia].
- =*Leptosoma noviespunctatum* SNELLEN VAN VOLLENHOVEN, 1863; *Tijdschr. Dierk.* **1**: 42. Type locality: "Java" [Indonesia]. Lectotype designated by DE VOS (2002: 17).
- N. (Deilemema) maculata variamacula* DE VOS, 2002; *Nachr. Ent. Ver. Apollo NF* **23** (1/2): 19, fig. 19-24 (*Nyctemera maculata variamacula*). Type locality: "Nederlands Indië, Bali, Batoeriti, 1100 m" [Indonesia]. Indonesia: Bali, Lombok, Flores (DE VOS, 2002).
- N. (Deilemema) maculata eddela* SWINHOE, 1904; *Ann. Mag. Nat. Hist.* (7) **14**: 420-421 (*Deilemema eddela*). Type locality: "Engano" [Indonesia, near Sumatra].
- =*Nyctemera mülleri enganica* ROEPKE, 1957; *Tijdschr. Ent.* **100**: 175-176, pl. 8, f. 8, 9. Type locality: "Engano" [Indonesia].
- N. (Deilemema) maculata mentawaiensis* DE VOS, 2002; *Nachr. Ent. Ver. Apollo NF* **23** (1/2): 13, fig. 7-8 (*Nyctemera mülleri mentawaiensis*). Type locality: "Sipora I., W. of Sumatra" [Indonesia]. Indonesia: Mentawai Is. (Sipora, Siberut), west from Sumatra.
- Nyctemera (Deilemema) mülleri* (SNELLEN VON VOLLENHOVEN, 1863); *Tijdschr. Dierk.* **1**: 41 (*Leptosoma mülleri*). Type locality: "Sumatra" [Indonesia]. Lectotype designated by DE VOS (2002: 12). South Burma (Myanmar); Indochina; Malay Peninsula; Sundaland: Sumatra, Borneo; south-western Philippines (Palawan, Tawitawi) (DE VOS, 2002).

Subgenus *Coleta* ROEPKE, 1949, *Trans. Roy. Ent. Soc. London* **100**: 53.

Type species: *Phalaena coleta* STOLL, 1781, by monotypy.

- Nyctemera (Coleta) coleta* (STOLL, 1781); *Pap. Exot.* **4**: 153, t. 368, fig. H [*Phalaena (Geometra) ... Coleta*]. Type locality: "sine patria".
- =*Nyctemera coleta* ab. *subvitrea* SEITZ, 1915; *Gross-Schmett. Erde* **10**: 267, f. 29a. Type locality: "Java und Sumatra" [Indonesia]. Sri Lanka; India: southern India, Assam, Andaman and Nicobar is.; China: Yunnan, Guangdong, Hainan; Taiwan; Japan: Ryukyu (Ishigake); Burma (Myanmar); Thailand; Malay Peninsula; Sundaland: Sumatra, Nias, Java, Borneo, Sulawesi, Moluccas, western New Guinea, Biak Island; Philippines.



*N. (Coleta) coleta melaneura* (BUTLER, 1883); Ann. Mag. Nat. Hist. (5) 12: 161 (*Leptosoma*). Type locality: "Island of Nias" [Indonesia].

*N. (Coleta) coleta nigrovenosa* MOORE, 1879; Proc. Zool. Soc. London 1879: 394 (*Nyctemera nigrovenosa*). Type locality: "Ceylon" [Sri Lanka].

Subgenus *Luctuosana* DE VOS **subgen. nov.**

Type species: *Leptosoma luctuosum* SNELLEN VAN VOLLENHOVEN, 1863, by original designation.

**Diagnosis:** The subgenus is closely related to the nomotypical subgenus *Nyctemera* HÜBNER, [1820] which reflects in the similar pattern, shape and venation of the wings and the ♂ antenna strongly bipectinate, in ♀ much shorter pectinated, sometimes dentated. The most distinguishing character of the new subgenus is the bifid valva with a strong cucullus process and an even stronger and usually broader succulus process. There is no small strongly ciliated third process present as in *Nyctemera* s. str. Aedeagus long and slender, bend down distally with a trumpet-shaped apex (fig. 1). ♀ genitalia with lamella vaginalis usually broad, a ribbon-shaped sclerotized ductus bursae and with in fact one signum but which can be just separated into two parts. The shorter distal part of this signum is usually coarsely dentated while the longer caudal part is spoon- or trowel-shaped with tiny scobination, like in *Nyctemera* s. str.



Fig. 1. *Nyctemera (Luctuosana) luctuosa galbana* (SWINHOE, 1892), Philippines, Negros, ♂ genitalia.



Fig. 2. *Nyctemera (Tritomera) trita* WALKER, 1854, Indonesia, Java, ♂ genitalia.

*Nyctemera (Luctuosana) contrasta* DE VOS & ČERNÝ, 1999; Nachr. Ent. Ver. Apollo NF 20 (2): 148-151, fig. 14-16, 34-35. Type locality: "Philippinen, Mindanao, Bukidnon, 40 km NW Maramag, Dalongdong, 800 m, Talakag, 7°53'N, 123°54'E, Waldrand". Philippines. The nominotypical subspecies is distributed in Mindanao.

*N. (Luctuosana) contrasta negrosica* DE VOS & ČERNÝ, 1999; Nachr. Ent. Ver. Apollo NF 20 (2): 152, fig. 15. Type locality: "Philippinen, Negros occ., Mt. Canlaon, 4000 ft." Philippines: Negros, Jolo (Sulu Arch.).

*N. (Luctuosana) contrasta supracontrasta* DE VOS & ČERNÝ, 1999; Nachr. Ent. Ver. Apollo NF 20 (2): 153, fig. 16. Type locality: "Philippines, Palawan, Mantalingajan, Tagembung, 1150 meter".

*Nyctemera (Luctuosana) dentifascia* SNELLEN, 1898; Tijdschr. Ent. 41: 24-25, t. 1, fig. 1 (*Nyctemera Dentifascia*). Type locality "Sumatra; nadere lokaliteit niet bekend" [Indonesia].

=*Nyctemera biserrata* SEITZ, 1915; Gross-Schmett. Erde 10: 269, f. 29f. Type locality: "Sumatra" [Indonesia].

=*Deilemema abraxina* ROTHSCHILD, 1920; J. Fed. Malay Stat. Mus. 8 (3): 135. Type locality: "Korinchi, West Sumatra" [Indonesia].

=*Deilemema personata* TALBOT, 1929; Bull. Hill Mus. 3 (1): 90-91. Type locality: "South-west Sumatra: North Korintji Valley, 5,000 feet".

*Nyctemera (Luctuosana) herklotsii* (SNELLEN VAN VOLLENHOVEN, 1863); Tijdschr. Dierk. 1: 39-40 (*Leptosoma herklotsii*). Type locality: "Java".

=*Leptosoma quadriguttatum* SNELLEN VAN VOLLENHOVEN, 1863; Tijdschr. Dierk. 1: 40. Type locality: "Java" [Indonesia].

*Nyctemera (Luctuosana) luctuosa* (SNELLEN VAN VOLLENHOVEN, 1863); Tijdschr. Dierk. 1: 42-43 (*Leptosoma luctuosum*). Type locality: "Batjan" [Bacan, Indonesia]. Eastern Malay Archipelago, including Papua, Australia and the Philippines (ROEPKE, 1957).

*N. (Luctuosana) luctuosa galbana* (SWINHOE, 1892); Cat. East. Austral. Lep. Het. Oxf. Univ. Mus. 1: 146 (*Leptosoma galbanum*). Type locality: "Philippine Islands".

=*Nyctemera luctuosum rostrigera* PROUT, 1918; Ann. Mag. Nat. Hist. (9) 1: 317. Type locality: "Philippines: Cebu".

Philippines: Luzon, Mindanao, Negros, Bongao, Mindoro, Siquior, Sebu.

*Nyctemera (Luctuosana) ludekingii* (SNELLEN VAN VOLLENHOVEN, 1863); Tijdschr. Dierk. 1: 49 (*Leptosoma ludekingii*). Type locality: "Sumatra" [Indonesia].

=*Nyctemera variegata* REICH, 1932; Int. Ent. Z. 26 (22): 236-237, t. 2, f. 3. Type locality: "Ober-Langkat, Deli, Sumatra" [Indonesia]. Sundaland: Sumatra, Borneo.

*Nyctemera (Luctuosana) simulatrix* WALKER, 1864; List Spec. lep. Ins. Colln. Br. Mus. 31: 198-199. Type locality: "Celebes" Mak[assar], Celeb[es] (type) (DE VOS, 1997).

=*Deilemema delocyma* SWINHOE, 1917; Ann. Mag. Nat. Hist. (8) 19: 415-416. Type locality: "Flores Isl." [Indonesia] (DE VOS, 1995).

=*Deilemema everetti* SWINHOE, 1917; Ann. Mag. Nat. Hist. (8) 20: 160. Type locality: "Flores" [Indonesia] (DE VOS, 1995).

Indonesia: Flores, Sulawesi, Banggai.

Subgenus *Tritomera* DE VOS & DUBATOLOV **subgen. nov.**

Type species: *Nyctemera trita* WALKER, 1854, by original designation.

**Diagnosis:** By the wing pattern, the new subgenus does not differ significantly from several other subgenera of *Nyctemera* HÜBNER, [1820], s. lat. *Nyctemera* s. str. and *Orphanos* HÜBNER, [1825], by presence of a single oblique pale band on the forewings and pale central spot on the hindwings, and by bipectinate antennae in ♂♂. Nevertheless, the ♂ genitalia structure is quite different (fig. 2): uncus is short with two socii-like enlargements on each side; valvae have a bifurcate apical process; the ventral edge of valve with a membranose process covered with long setae: all these characters appear to be autapomorphic in the subgenus.

*Nyctemera (Tritomera) trita* WALKER, 1854; List Spec. lep. Ins. Colln. Br. Mus. 2: 394-395 (*Nyctemera trita*). Type locality: "Java". Malay Peninsula; Indonesia: Sumatra, Java, Bali, Lombok.

*N. (Tritomera) trita tritoides* HEYLAERTS, 1890; Compt. R. Soc. Ent. Belg. 34: XVII (*Nyctemera tritoides*). Type locality: Sumatra (BRYK, 1937).

=*Nyctemera assimilis* SEITZ, 1915; Gross-Schmett. Erde 10: 268, fig. 29e ([*Nyctemera*] *assimilis* VOLL.). Type locality: "Java und Sumba" [Indonesia].

=[*Nyctemera assimilis*] *battakorum* SEITZ, 1915; Gross-Schmett. Erde 10: 268, fig. 29e. Type locality: "Java" [Indonesia].

=*Nyctemera seitzi* VAN EECHE, 1927; Ent. Berg. Amsterdam 7: 223 (= *assimilis* by SEITZ). Type locality: not stated, phenotype from Sumatra [Indonesia].

=*Nyctemera seitzi* VAN EECHE, 1928; Zool. Meded. 11: 62-63, pl. VII, f. 3. Type locality: "Sumatra ... en Java" [Indonesia]

=*Deilemema hearca reducta* ROTHSCHILD, 1920; J. Fed. Malay Stat. Mus. 8 (3): 134. Type locality: „West Sumatra ... Sandaran Agung, Korinchi, 2,450 feet" [Indonesia].

*N. (Tritomera) trita harca* (SWINHOE, 1893); Ann. Mag. Nat. Hist. (6) 12: 215 (*Leptosoma harca*). Type locality: „Selangor, Malay Peninsula".

*Chiromachla* STRAND, 1909, Ann. Soc. Ent. Belg. 53: 326, 327, 333.

Type species: *Nyctemera leuconoe* HOPFFER, 1858, designated by WATSON et al. (1980: 37)  
(raised to generic status by DUBATOLOV, 2006)

*Chiromachla torbeni* (WILTSHIRE, 1983), Fauna Saudi Arabia 5: 307-308, pl. 2: 11, 11a-f (*Nyctemera*). Type locality: „Yemen Arab Republic (N Yemen): Wadi Dhabab".

*Galtara* WALKER, [1863], List Spec. lep. Ins. Colln Br. Mus. 26: 1688.

Type species: *Galtara purata* WALKER, [1863]

*Galtara somaliensis* (HAMPSON, 1916), Proc. Zool. Soc. London 1916: 102-103, pl. 1: 2 (*Secusio*). Type locality: „Somalia...Mandera". Somalia (GOODGER & WATSON, 1995) and Saudi Arabia.

*G. somaliensis regalis* WILTSHIRE, 1980, Fauna Saudi Arabia 2: 204-205, pl. 20: 30a. Type locality: „Village Qaraan, 2000 m, near King's Palace, Khamis Mushayat". Saudi Arabia.

*Argina* Hübner, [1819] 1816, Verz. bekannter Schmett.: 167.

Type species: *Phalaena cribraria* CLERCK, [1764] (attributed by HÜBNER to CRAMER, an incorrect authorship),  
by subsequent designation by KIRBY (1892), Syn. Cat. Lepid. Het. 1: 350.

*Argina astrea* (DRURY, 1773); Illust. nat. Hist. exot. Insects 2: index, 11, pl. 6, fig. 3 (*Phal.[aena] Noct.[ua] ... Astrea*). Type locality: "the Gold Coast ... in Africa ... de la Cote d'Oren Afrique" [Ghana: probably not the correct locality].

=*Phalaena cribraria* CLERCK, 1759 [1764], Icon. Insect. rariorum 2: pl. [54], fig. 4 & register; nec LINNAEUS, 1758; Type locality: not stated [India] (WATSON et al., 1980).

=*B.[ombyx] ... Pylotis* FABRICIUS, 1775; Syst. Ent.: 585. Type locality: "nova Hollandia" [Indonesia].

=*Deiopeia dulcis* WALKER, 1854; List Spec. lep. Ins. Colln Br. Mus. 2: 569. Type locality: "Malabar Coast" + "East Indies" + "-?" [India and Burma (Myanmar)].

=*astraea* auct.

=*Argina notata* BUTLER, 1877b; Trans. Ent. Soc. London 1877: 365. Type locality: "North India". Southern Iran; Pakistan; Bangladesh; Sri Lanka; India, including Andaman and Nicobar Is.; Nepal; China: Yunnan, Guangdong, Hong Kong, Zhejiang; Taiwan; Japan: Ryukyu; Philippines, Burma (Myanmar); Indochina; Indonesia; New Guinea; North Australia; New Caledonia; Oceania: Samoa, east to Palau, Guam, Taiti. Indian Ocean: Mauritius; East Africa.

*Mangina* KALEKA & KIRTI, 2001; J. Bombay Nat. Hist. Soc. 98 (2): 251.

Type species: *Euprepia argus* KOLLAR, [1844] (as *Argina argus* KOLLAR), by original designation.

*Mangina argus* (KOLLAR, [1844]); Kaschmir 4 (2): 467-468, pl. 21, f. 3 (*Euprepia?*). Type locality: "Himaleya, Massuri" [India: Uttar Pradesh]. Pakistan; Sri Lanka; India; Nepal; Bhutan; Burma (Myanmar); Indochina; China: East Tibet, Yunnan, Guangdong, Guangxi, Hunan, Jiangsi, Zhejiang, Fujian; Taiwan; Japan: Ryukyu (Okinawa) (Kishida & Kimura, 2008).

*Mangina syringa* (CRAMER, 1775); Pap. Exot. 1: t. 5: f. C, D (*Phalaena*). Type locality: "Coromandel" [India].

=*B.[ombyx] ... Crotalariae* FABRICIUS, 1793; Ent. Syst. 3 (1): 473. Type locality: "Indiae Crotalaria" [India].

Sri Lanka; southern India north to Bengal.

*Mangina pulchra* (SWINHOE, 1892); Cat. East. Austral. Lep. Het. Oxf. Mus. 1: 117, t. 3, f. 5 (*Argina*). Type locality: "Philippines".

=*Argina callargus* REICH, 1932; Int. Ent. Z. 26: 234, t. 2, f. 1. Type locality: "Patria: unbekannt. Vermutlich Darjeeling" [India: West Bengal - not correct].

## Arctiini

Type genus: *Arctia* SCHRANK, 1802

+*Stauropolia* SKALSKI, 1988; Вестник зоологии [Vestnik Zoologii] 1988 (4): 21. Type species: *Stauropolia nekrutenkoi* SKALSKI, 1988 (Miocene), by original designation.

+*Stauropolia nekrutenkoi* SKALSKI, 1988; Вестник зоологии [Vestnik Zoologii] 1988 (4): 22. Type locality: “станция Сенгилеевская, Ставропольский край, обнажение 5 ... миоцен, караганский горизонт” [village Sengileevskaya, Stavropol Krai, denudation 5, Miocene, Karagan level] [Russia: North Caucasus]. Miocene of Ciscaucasia.

*Atlantarctia* DUBATOLOV, 1990d; Новости фаунистики и систематики [News of faunistics and systematics]. Kiev: 90.

Type species *Euprepia dido* M. WAGNER, 1841, by original designation.

*Atlantarctia tigrina* (DE VILLERS, 1789); Linn. Ent. 2: 159, t. 5, fig. 5 (*Phal.[aena] Bomb.[us] Tigrina*). Type locality: “in Gallia Aust.” [South France].

=*Phal.[aena] Bomb.[us] fasciata* ESPER, 1785; Eur. Schmett. 3: 178-179, nec SCOPOLI, 1763. Type locality: “Gegend von Lion”. [http://www.zsm.mwn.de/Lepidoptera/esper\_typ\_bom.htm].

=*Apantesis fasciata pyrenaica* ROTHSCHILD, 1910; Novit. Zool. 17: 174. Type locality: “Val d’Aras, Spanish Pyrenees” [Spain].

=*[Arctia] fasciata parvisi* TURATI & VERITY, 1911; Bull. Soc. Ent. Ital. 43: 214-215. Type locality: “[Valle del Gesso (Alpi Marittime)] ... Valdieri” [France].

=*Arctia fasciata* ESP. var. *bifurcata* NAVÁS, 1927; Bol. Soc. Ent. Esp. 10: 83-84. Type locality: “Moncayo (Zaragoza)” [Spain].

=*Chelonia fasciata* forma *virginalis* OBERTHÜR, 1916; Ét. Lep. comp. 11: 19, pl. 325, f. 4695-4696. Type locality: “Digne ... Montpellier” [France]. Europe: Spain; Pyrenees; southern France; north-western Italy.

*A. tigrina esperi* (STAUDINGER, 1870); Berl. Ent. Z. 14: 103-105 (*Arctia Fasciata* ESP. var.? *Esperi*). Type locality: “in der Sierra de Guadarrama (auf der Nordseite in Alt-Castilien), wo sie in einer Höhe von etwa 6000 Fuß ...” [Spain].

=*Arctia fasciata bevani* GÓMEZ BUSTILLO & DE VIEDMA, 1977; Revista Lepidop. 5 (2): 181-[182]-183, fig. Type locality: “Casa Forestal Torre de Vinagre, Sierra de Cazorla (a 740 m.), provincia de Jaén” [Spain]. Northern and south-eastern Spain.

*Arctia* SCHRANK, 1802; Fauna Boica 2 (2): 152.

Type species *Phalaena caja* LINNAEUS, 1758, by subsequent designation by WESTWOOD (1840), Introd. mod. Classif. Insects 2 (Synopsis Genera Br. Insects): 92.

=*Hypercompe* HÜBNER, [1806]; Tentamen determinationis digestionis ...: [1]. Rejected name. Type species: *Phalaena caja* LINNAEUS, 1758.

=*Eyprepia* OCHSENHEIMER, 1810; Schmett. Eur. 3: 299. Type species: *Phalaena caja* LINNAEUS, 1758 (cited as *caia*), by subsequent designation by CURTIS (1824), Br. Ent. 1: 21.

=*Zoote* HÜBNER, [1820] 1816; Verz. bekannter Schmett.: 181. Type species: *Phalaena caja* LINNAEUS, 1758 (cited as *caia*), by subsequent designation by HAMPSON (1901), Cat. Lep. Phalaenae Br. Mus. 3: 463.

=*Chelonia* GODART, [1823] 1822; Hist. nat. Léop. Papillons Fr. 4: 299. Type species: *Phalaena caja* LINNAEUS, 1758, by subsequent designation by DUPONCHEL, 1843, Dict. univ. Hist. nat. 3: 460.

=*Arctinia* EICHWALD, 1830; Zool. spec. 2: 195. Incorrect spelling of *Arctia* SCHRANK, 1802.

=*Euprepia* AGASSIZ, 1846; Nomencl. zool. (Nomina syst. Generum Lepid.): 29. Incorrect subsequent spelling.

=*Callarctia* PACKARD, 1864; Proc. ent. Soc. Philad. 3: 114, replacement name for *Chelonia* GODART, [1823] 1822.

*Arctia caja* (LINNAEUS, 1758); Syst. Nat. (Edn. 10) 1: 500-501 ([*Phalaena Bombyx*] *Caja*). Type locality: not stated [Europe] (WATSON et al., 1980). Lectotype designated by MIKKOLA & HONEY (1993: 116).

=*Ph.[alaena] erinacea* RETZIUS, 1783; Gen. Spec. Ins.: 36-37. Type locality: not stated [Europe].

=*Arctia caja* var. *phantasma* NIEPELT, 1905; Ins. Börse 22: 120. Type locality: “im Waldenburger Gebirge Schlesiens” [Germany].

=*[Arctia caja]* v. (ab.) *lusitana* SPULER, 1906; Schmett. Eur. 2: 135. Type locality: “aus Portugal”.

=*[Arctia caja]* *semibrunnea* VORBRODT, 1914; Die Schmetterlinge der Schweiz 2: 647. Type locality: “[Schweiz]”.

=*[Arctia caja]* *seminigra* VORBRODT, 1914; Die Schmetterlinge der Schweiz 2: 647. Type locality: “[Schweiz]”.

=*Arctia caja* var. *rebeli* WNUKOWSKY, 1929; Zoologische Anzeiger 83 (9/10): 223. Replacement name for *Arctia caja* ab. *confluens* REBEL, 1910, nec *Arctia villica* L. subsp. *confluens* ROMANOV, 1884. Type locality: not stated.

West Europe, excluding Polar regions, Iberian Peninsula and Greece; Baltia; Belarus; Ukraine, Crimea; European Russia north to Arkhangelsk and Ukhta; North Caucasus; Transcaucasia; Turkey; northern Iran; mountains of Afghanistan, Pakistan and northern India; mountains of the eastern part of Central Asia and South Kazakhstan; northern and eastern Kazakhstan; Siberian Russia north to Khanty-Mansiisk, rivers Ket’ and Angara; Mongolia; central and eastern Yakutia; Upper Kolyma; Kamchatka; Amur basin; Primorye; China: Xinjiang, Henan, Hebei, Nei Mongol, Dunbei; Korea; Sakhalin; South Kuriles (Iturup, Kunashir, Shikotan); Japan (Hokkaido, Honshu) (Map 37); North America.

Note: *Arctia caja amboinensis* SWINHOE, 1916 (type locality: „Amboina“), Ann. Mag. Nat. Hist. (8) 18: 484-485, should be treated as a synonym of *Aethalida pasimuntia* (STOLL, 1782).

*A. caja kamtschadalis* DRAUDT, 1931; Macrolep. World 2 Suppl.: 87, fig. 7f. Type locality: “Kamtschatka” [Russia].

*A. caja mazandarana* DUBATOLOV & ZAHIRI, 2005; Atalanta 36 (3/4): 493, col. pl. 8, figs. 24-25. Type locality: “Mazandran, Chalus, Valiabad” [Northern Iran].

*A. caja orientalis* MOORE, 1878; Ann. Mag. Nat. Hist. (5) 1: 230-231 (*Arctia orientalis*). Type locality: “Sonamurg, Cashmere” [north-east from Srinagar, river Sind valley, Kashmir, India]. Northern India: Kashmir (Sonamurg, Allahabad). Note: Occurs together with *Arctia martinhoneyi* DUBATOLOV & GURKO, differs in light brown rather than blackish band on the forewing underside.

*A. caja ossetica* DUBATOLOV, 1996; Neue Ent. Nachr. 37: 50, 71, Fig. 2d (not 2f!). Type locality: “Caucasus, “Ossetia s., Buron, 1250 m” [Russia, North Caucasus, North Osetia-Alania; probably also adjacent territories].

- A. caja pamiroalaica* STSHETKIN, 1982; Известия Академии наук Таджикской ССР. Отделение биологических наук [Izvestiya Akademii nauk Tadjikskoi SSR. Otdelenie biologicheskikh nauk] **86** (1): 39-43, fig. on p. 42. Type locality: “кишлак Ганишоу, 2180 m, северный склон хр. Петра Первого на правобережном водораздельном отроге р. Дарай-Назарак” [Tadjikistan: village Ganishou, 2180 m a.s.l., north slope of the Peter I Range, on right mountain branch in Darai-Nazarak river valley]. Mountains of Alai-Pamirs within Tadjikistan and Afghanistan.
- A. caja phaeosoma* (BUTLER, 1877); Ann. Mag. Nat. Hist. (4) **20**: 395 (*Euprepia phaeosoma*). Type locality: “Yokohama” [Japan]. [= *Euprepia phaeosoma*] var. *auripennis* BUTLER, 1881b; Trans. Ent. Soc. London **1881**: 7. Type locality: “Tokei” [Japan]. Asian Russia: southern Primorye; Korea; eastern China; Japan.
- A. caja sajana* O. BANG-HAAS, 1927; Horae Macrolep. **1**: 72, t. 9, f. 6. Type locality: “Sajan mont.: „Tunkinsk Weißgebirge“, südwestlich Irkutsk, Juli, 2000 m” [Russia: Buryatia]. Asian Russia: South Siberian mountains: East Sayan, Baikal Region, mountains of Transbaikalia, Yakutia, Upper Kolyma, north mountain regions of Amur basin; Mongolia.
- A. caja tschiliensis* DRAUDT, 1931; in: SEITZ, Macrolep. World **2** Suppl.: 87, fig. 7e. Type locality: “Province Chihli” [China: Hebei]. Asian Russia: south-eastern Transbaikalia, Amur basin; western regions of Dunbei in China, northern China.
- A. caja tshingana* SHELJUZHKO, 1935; Mitt. Münch. Ent. Ges. **25**: 31-34, t. 3, f. 7. Type locality: “Tshingan... Höhe von ca. 1500 m” [Uzbekistan]. West Tien Shan within Uzbekistan and probably neighbouring Kyrgyzstan and Kazakhstan.
- A. caja wiskotti* STAUDINGER, [1879] 1878; Horae Soc. Ent. Ross. **14**: 333-334. Type locality: “hinteren Theile der Jenikeui-Hochebeneauf einer nassen Wiesenstelle ... Ak Dagh” [Turkey]. Eastern Transcaucasia; eastern Turkey; north-western Iran (Mazandran).
- Arctia (caja) martinhoneyi* DUBATOLOV & GURKO, 2005; Atalanta **36** (3/4): 539, fig. 2, col. pl. 16, fig. 4-7. Type locality: “Pakistan, prov. Azad Jammu & Kashmir, NW from Junkar [ca. 100 km NW from the Indian Kargil], 3000-3400 m”. [= *orientalis* sensu HAMPSON (1894), Moths of India **2**: 16; from Allahabad.] Kashmir within Pakistan and India.
- Arctia (caja) olschwangi* DUBATOLOV, 1990b; Таксономия насекомых и гельминтов [Taxonomy of insects and helminths]. Novosibirsk: 89-93, fig. 1a, 2 I. Type locality: “Южный Ямал, р. Хадыта” [Russia: South Yamal: river Khadyta]. Polar Russia: Polar Ural, southern Yamal, Yakutia: Lena river delta (Map 38); North America: USA: North Alaska.
- Arctia flavia* (FUESSLY, 1779); Mag. Liebhaber Ent. **2**: 70-71, t. 1, f. 11 (*Phal.[aena]...Flavia*). Type locality: “auch bei Marschlin” [Schweiz]. = *Bombyx virgo* HÜBNER, [1800-03]; Samml. Europ. Schmett. Lep. **3**, Bomb.: t. 30, f. 132. Type locality: not stated, probably Augsburg vic. [Germany]. = *Arctia Flavia Campestris* GRAESER, 1892; Berl. Ent. Z. **37** (2): 212-213. Type locality: “Blagoweschtschensk” [Russia: Amur Province]. Lectotype designated by DUBATOLOV (1996a: 344). = *Arctia flavia wralensis* HEYNE, 1899; Soc. Ent. **14** (13): 97-98. Type locality: “Städtchen Krasnousimsk (südl. von Perm)” [Russia: Ural: Perm Province]. = *Arctia flavia sibirica* HEYNE, 1899; Soc. Ent. **14** (13): 97. Type locality: “Tarbagatai (Saisan?)” [East Kazakhstan]. = *Arctia flavia lederi* O. BANG-HAAS, 1927; Horae Macrolep. **1**: 75, t. 9, f. 1. Type locality: “Mongolei sept.: Uljassutai Sagasin See, ... Tannuola und Sajan mont.” [Mongolia and Russian Tuva]. = *Arctia flavia baicalensis* O. BANG-HAAS, 1927; Horae Macrolep. **1**: 74, t. 9, f. 11. Type locality: “Baikal See, Umgebung der Stadt Irkutsk” [Russia: Irkutsk Province]. = *Arctia flavia jeholensis* O. BANG-HAAS, 1927; Horae Macrolep. **1**: 75, t. 9, fig. 13. Type locality: “Chingan mont. or.: Prov. Tschili, Lin-si-hien, Chi-fong-shien” [China: Hebei]. Europe: Alps; Balkans (Rila Mts.); probably Ukraine (East Carpathians and northern Ukraine); European Russia east from Tver, north to Syktyvkar, south to Saratov province and Orenburg; northern Kazakhstan; Siberian Russia north to Khanty-Mansiisk, Tomsk, Podkamennaya Tunguska river; Mongolia; central Yakutia, mountains of eastern Yakutia, Upper Kolyma, Dzhugdzhur Mts., Shantar Is., Middle Amur, Sikhote-Alin; China: Xinjiang, Nei Mongol, Hebei; North Korea (PRZYBYŁOWICZ & PARK, 2001) (Map 39).
- Arctia rueckbeili* PÜNGELER, 1901; Dt. Ent. Z. Iris **14**: 190, t. 3, f. 11. Type locality: “Wüste südlich von Aksu” [China: Xinjiang]. Kyrgyzstan: Central Tien Shan (Sarydzhas region), Alai valley; Alai and Turkestan Ranges in Kyrgyzstan, Uzbekistan and Tadjikistan; China: Xinjiang (Aksu Region) (Map 40).

#### *Arctia intercalaris*-species group

- Arctia intercalaris* (EVERSMANN, 1843); Bull. Soc. Imp. Nat. Moscou **16** (3): 544, t. 10, f. 1a, b (*Euprepia*). Type locality: “Habitat in promontoriis Altaicus australibus” [East Kazakhstan: “in front of South Altai mountains”]. = *Arctia intercalaris boettcheri* O. BANG-HAAS, 1927; Horae Macrolepid. **1**: 72, t. 9, f. 8. Type locality: “Thianchan mer. or. und centr.: Juldus und Narynsk” [China: Xinjiang and Kyrgyzstan: Naryn Region]. Eastern Kazakhstan: Dzhungar Alatau, Transili Alatau; Tien Shan and Alai-Pamirs mountains within Kyrgyzstan, Uzbekistan and Tadjikistan; mountains of Afghanistan, north-western Pakistan and northern India (from Kashmir to Kulu) (Maps 41-42). The nominotypical subspecies is distributed in Tien Shan.
- A. intercalaris alpherakii* STAUDINGER, 1886; Ent. Month. Mag. **22**: 258-259 (*Arctia Alpherakii*). Type locality: “high mountains in Central Asia (Russian Turkestan)” [Gissar Kette, Liagor Monsdu, Tadjikistan] (O. BANG-HAAS, 1927). Mountains of Alai-Pamirs in Tadjikistan.
- A. intercalaris truncata* KOTZSCH, 1938/1939; Ent. Rundschau **55** (1): 9 (*Arctia truncata*). Type locality: “nordöstlichen Hindukusch, und zwar nur im Nuksar-Paß in der Alpenwiesenzone” [Afghanistan]. = *Arctia intercalaris badakhshana* WILTSHIRE, 1961 **syn. nov.**; Beitr. naturk. Forsch. S.W. Dt. **19**: 340. Type locality: “Badakhshan,

Sarakanda, 3600 m" [Afghanistan]. Mountains of Alai-Pamirs and Badakhshan in Afghanistan. Note: The subspecies is very similar to *A. i. alpherakii* STGR., but clearly differs by an entirely white fringe on the forewings, the character well described in the original description of the first name and visible on the studied paratype specimen of the second one.

*A. intercalaris elisabethana* BENDER & NAUMANN, 1980; *Atalanta* **11** (1): 23-27, Abb. 1-3 (p.22). Type locality: "O-Afghanistan, Panjshir-Tal, vic. Astana, Hindukusch-Hauptkamm. Ab-schobá, 4000-4400 m". Eastern Afghanistan: north-eastern Hindukush. Note: The subspecies is characterized by enlarged dark pattern on forewings, but hindwings have only dark submarginal spots.

*A. intercalaris thibetica* C. & R.FELDER, 1874; Reise öst. Fregatte Novara (Zool.) **2** (Abt. 2): t. 101, f. 12 (*Arctia* ? *thibetica*). Type locality: "Ladak" [India: Kashmir] (FELDER, 1875, Erklärung: 2).

India: North-western Himalayas: Ladakh (Maps 41-42, gray dots). Note: This subspecies is most melanistic: the light pattern is reduced on the forewings, the narrow light band from the costa to tornal angle, if visible, is not bifurcated; sometimes the light pattern is reduced to few small spots, mainly in ♀♀.

*A. intercalaris suttadra* MOORE, 1879; Proc. Zool. Soc. Lond. **1879**: 395-396 (*Arctia suttadra*). Type locality: "Cashmere (Stakpila Pass), 12,000 feet" [Pakistan: Azad Kashmir].

=*Arctia cajula* STAUDINGER, 1886; Ent. Month. Mag. **22**: 258-259. Type locality: "at a great elevation, 13,000 to 14,000 feet, in the North West Himalaya, in the Tibetan valley of Laboul, many days' journey from any inhabited place" [China: Tibet].

=*Arctia intercalaris-thibetica triangulum* PETSCHKE, 1934; Int. Ent. Z. Guben **28**: 432. Type locality: "Gilgit, Baltistan, 6000 Fuß" [Pakistan]. Pakistan: Azad Kashmir (Gilgit and probably Chitral); China: south-western Tibet. Note: This subspecies has more or less expressed light bands on the forewings, including a cross of light band from the costa to tornal angle. The forewing dark pattern is similar to *A. i. elisabethana* BENDER & NAUMANN from Afghanistan, but the dark pattern on the hindwings is also enlarged.

*Epicallia* HÜBNER, [1820] 1816; Verz. bekannter Schmett.: 182.

Type species: *Phalaena villica* LINNAEUS, 1758, by monotypy.

*Epicallia villica* (LINNAEUS, 1758); Syst. Nat. (Edn. 10) **1**: 501 ([*Phalaena Bombyx*] *villica*). Type locality: not stated [Europe] (WATSON et al., 1980). Lectotype designated by MIKKOLA & HONEY (1993: 163).

=*[P.[halae] Bombyx] Vidua* PODA, 1761; Insecta Musei Graecensis: 88, No. 15. Type locality: "Græcii" [Greece].

=*[Chelonia villica] var. Nicaeensis* OBERTHÜR, 1911a; Ét. Lép. comp. **5** (1): 138. Type locality: "Nice ... Alpes Maritimes" [France].

=*[Chelonia villica] Corsica* OBERTHÜR, 1911a; Ét. Lép. comp. **5** (1): 139. Type locality: "Corse" [France].

=*[Arctia villica] v. meridionalis* HEINRICH, 1923; Deutsch. Ent. Z. Iris, Beiheft **1923**: 116-117. Type locality: "[Digne (Basses Alpes)] ... [La colline Granoux ... Le Gravier des Eaux ... Le vallon qui mène au Gravier]" [France: Alpes de Haute-Provence].

North-West Africa from Morocco to Tunisia; Central and South Europe; southern England; Baltia; Belarus; Ukraine, Crimea; European Russia north to St.-Petersburg and Vyatka, Ural, South-West Siberia (Kurghan and Omsk Provinces), North Caucasus; Transcaucasia; Turkey; Near East, western and north-eastern Iran. Nominotypical subspecies is distributed in Central and South Europe; Corsica; East Europe; Caucasus; western Transcaucasia (Georgia) (Map 43).

Note: DE FREINA & NARDELLI (2007) raised *E. v. angelica* Bsd. and *E. v. konewkai* FR. to specific status.

*E. villica angelica* (BOISDUVAL, 1829); Europ. Lep. Ind. Meth.: 42 ([*Chelonia Villica*] *var. Angelica*). Type locality: "Hispania" [Spain].

=*Arctia Villica-Arabum* OBERTHÜR, 1910; Ét. Lép. comp. **4**: 678, t. 53, fig. 447. Type locality: "Algérie, sur le littoral".

European Mediterranean: southern part of Spain; North-West Africa from Morocco to Tunisia.

*E. villica britannica* (OBERTHÜR, 1911); Ét. Lép. comp. **5** (1): 135 ([*Chelonia villica*] *Britannica*). Type locality: "Grande-Bretagne, dans la Bretagne armoricaine et aux environs de Cherbourg" [England]. Europe: southern England. Note: The subspecies has no difference to the nominotypical one in the wing pattern, but the ♂ genitalia are different: the apical valva processus is broader and its hind edge is slightly angled.

*E. villica confluens* (ROMANOFF, 1884); Mém. l'ép. **1**: 87-88, t. 4, f. 9 ([*Arctia Villica*] *var. Confluens* ROM.). Type locality: "Lenkoran" [Azerbaijan]. Lectotype designated by DUBATOLOV (1996a: 344).

Transcaucasia: south-eastern Azerbaijan (Talysh); northern Iran.

*E. villica fulminans* (STAUDINGER, 1871); Cat. Lep. europ. Faunengeb. (Edn 2): 57 ([*Arctia Villica*] *v. Fulminans*). Type locality: "Syr[ia]".

=*[Chelonia villica] Syriaca* OBERTHÜR, 1911; Ét. Lép. comp. **5** (1): 141. Type locality: "... Syrie ... d'Akbès".

Near East: Syria, southern Turkey; Hatay.

*E. villica konewkai* (FREYER, 1831); Neuere Beitr. zur Schmett. **1**: 61-62, 79, 137, (16): 178, t. 33, fig. 1, 2 (*Bomb.[yx] konewkai*). Type locality: "Tivoli bey Rom" (p. 178); this locality is probably not correct [Italy].

=*Arctia domiduca* MEIGEN, 1832; Eur. Schmett. **3**: 267, t. 123, fig. 12. Type locality: "Sicilien" [Italy].

=*[Euprepia villica] var. Sicula* ZELLER, 1847; Isis 1847 (6): 433-435. Type locality: "[Sicilien] ... bey Messina im Gebirge hoch oben" [Italy].

*E. villica marchandi* (DE FREINA, 1983); Mitt. Münch. Ent. Ges. **72**: 112-114, Abb. 24c, 24d (*Arctia villica*). Type locality: "[Prov.] Hakkari, Zab-Tal 20 km östl. Hakkari, 1300-1400 m" [Turkey].

=*Arctia villica daralagezi* O. BANG-HAAS, i.l., nomen nudum. Transcaucasia: southern Armenia; eastern Turkey.

*E. villica transuralica* DUBATOLOV, 2007; *Atalanta* **38** (3/4): 351-352, col. plate 17, fig. 1-2, gen. fig. 1. Type locality: "RUSSIA, Kurghan Province, 5 km SW from Kurghan, Ketovo". Russia: Ural, South-West Siberia (Kurghan and Omsk Provinces).

**Hyphoraia** HÜBNER, [1820] 1816; Verz. bekannter Schmett.: 182.

Type species: *Phalaena aulica* LINNAEUS, 1758, by subsequent designation by KIRBY (1892), Syn. Cat. Lep. Het. 1: 261.

**Hyphoraia aulica** (LINNAEUS, 1758); Syst. Nat. (Edn. 10) 1: 505 ([*Phalena Bombyx*] *Aulica*). Type locality: "in Europa." Probably collected in Sweden (MIKKOLA & HONEY, 1993). Lectotype designated by MIKKOLA & HONEY (1993: 114).

=*Hyphoraia aulica rishiriensis* MATSUMURA, 1927; J. Coll. Agric. Hokkaido Imp. Univ. 19: 59, pl. 4, fig. 3. Type locality: "Hokkaido (Rishiri Island) ... at Oshidomari" [Japan]. Central Europe west to Belge and eastern France, south to Austria, Pannonia, and northern Balkans; southern Scandinavia; Baltia; Belarus; Ukraine; Moldova; European Russia north to South Karelia and Vyatka; North Caucasus; western Transcaucasia (Georgia); Turkey; northern Kazakhstan; Asian Russia north to Tyumen, Novosibirsk, Minusinsk, Transbaikalia, Amur Province, Jewish Autonomous Region, southern part of Khabarovsk Province north to Amur river mouth, Primorye; China: Xinjiang, Heilongjiang, Liaonin; Korea; Japan: Hokkaido (Map 44).

**H. aulica testudinarioides** (SOVINSKY, 1905); Русское Энтомологическое Обозрение [Rus. Entomol. Obozr.] 5 (3-4): 109-110 (*Arctia aulica*). Type locality: "Caucasus septentrionalis: pr. Zheleznovodsk" [Russia: North Caucasus: Stavropol Province]. Caucasus; Transcaucasia and probably Asia minor.

**Hyphoraia testudinaria** (GEOFFROY, 1785); Entom. Paris 2: 260 (*Phalaena testudinaria*). Type locality: "[Agro Parisiensi]" [France].

=*Ph.[alaena] Bomb.[us] Maculania* LANGS, 1789; Verz. seiner Schmetterl.: 91-92. Type locality: "Aus Italien" [Italy].

=*Ph.[alaena] curialis* ESPER, 1790; Schmett. in Abbildungen nach der Natur, Suppl. Bomb. 3: 4. Type locality: "Italienischen" [Italy].

=*Phalaen.[a] Aulica* Variet. *singularis* ESPER, 1790; Schmett. in Abbildungen nach der Natur 3: t.80, fig. 2. 3. Type locality: not stated [Europe].

=*Ph.[alaena] Bomb.[yx] Civica* HÜBNER, 1790; Beitr. Gesch. Schmett. 2 (1): 11-12, t. 1, f. E, (3): 63, t. 2, f. F, (4): 121, 125. Type locality: "bei Florenz" [Italy].

=*A[rcitia] maculata* CARADJA, 1893; Dt. Ent. Z. Iris 6: 198-199. Type locality: "Bouc[onne, Zone I], S[ain]t J[ean], Coy. (1000 M.), Arg[ue]nos in Zone II, 700 M., [Bagnères de] Lu[chon, Zone II, 622 m.] etc." [Spain].

=*[Hyphoraia aulica] meridialpina* DANIEL, 1939; Mitt. Münch. Ent. Ges. 29: [366]-367. Type locality: "Rasse Südfrankreichs" [den Vogesen, Départements Gironde und Alpes Maritimes, ..., Cannes, ..., St. Barnabé] [France].

Europe: Pyrenees; central and southern France; south Alpine valleys, Italy (DE FREINA & WITT, 1987).

**Hyphoraia dejeani** (GODART, 1822 [1823]); Hist. Nat. Lep. Pap. Fr. 4: 326-327 (*Chelonia dejeani*). Type locality: "Espagne ..., et ensuite dans la Cerdagne française..." [Spain].

=*Hyphoraia dejeani carpetana* AGENJO, 1937; Bol. Soc. Esp. Hist. Nat. 37: 57-58, t. 4, f. 7-12. Type locality: "de Estación Alpina, 1480 metros, Cercedilla, Madrid" [Spain]. Europe: East Pyrenees, Spain; northern Portugal.

**Parasemia** HÜBNER, [1820] 1816; Verz. bekannter Schmett.: 181.

Type species: *Phalaena plantaginis* LINNAEUS, 1758, by subsequent designation by KIRBY (1892), Syn. Cat. Lep. Het. 1: 250.

=*Nemeophila* Stephens, 1828; Illust. Br. Ent. (Haustellata) 2: 55, 72. Type species: *Phalaena plantaginis* LINNAEUS, 1758, by monotypy.

**Parasemia plantaginis** (LINNAEUS, 1758); Syst. Nat. (Edn. 10) 1: 501 ([*Phalena Bombyx*] *Plantaginis*). Type locality: not stated, Europe (WATSON et al., 1980). Lectotype designated by MIKKOLA & HONEY (1993: 150).

=*Phalena Alpicola* SCOPOLI, 1763; Ent. Carniol.: 205-206. Type locality: not stated [Carniolian Alps] [Slovenia: Julian Alps/Karavanken].

=*B.[ombyx] hospita* [DENIS & SCHIFFERMÜLLER, 1775]; Ankündigung syst. Werkes Schmett. Wienergegend: 310. Type locality: "Wienergegend" [Austria].

=*Bomb[yx] Matronalis* FREYER, 1843; Neue Beitr. 5: 37, pl. 405. Type locality: "auf unserm bayerischen Alpen in einer Höhe 6000 Fuß" [Germany].

=*Nemeophila plantaginis floccosa* GRAESER, 1888; Berl. Ent. Z. 32: 115. Type locality: "Pokr[ofka]" [Russia, Chita province, Pokrovka at the Amur river source]. Lectotype designated by DUBATOLOV (1996a: 344).

=*Parasemia plantaginis uralensis* KRULIKOWSKY, 1904; Русское энтомологическое обозрение [Rus. Ent. Obozr.] 4 (1): 30 ([*Parasemia plantaginis*] var. *uralensis*). Type locality: "[в ближайших окрестностях Уржума]" [European Russia: Vyatka (Kirov) Province: suburbs of Urzhum].

=*Parasemia plantaginis insularum* SEITZ, 1910; Gross-Schmett. Erde 2: 81, fig. 16f. Type locality: "Orkney-Inseln" [Great Britain].

=*P.[arasemia] p.[lantaginis] carpathica* DANIEL, 1939; Mitt. Münch. Ent. Ges. 29: 358. Type locality: "Klák Geb." [Fatra] [Slovakia].

West Europe, excluding southern Italy and southern Greece; Baltia; Belarus; northern Ukraine, mainly in the Carpathians; European Russia north to Murmansk and Ukhta, south to Krasnodar and Saratov; Caucasus; Transcaucasia; Turkey; northern Iran (Alburz); north-eastern Kazakhstan (Altai, Saur Mts.); Asian Russia north to Berezov on Ob' river, Lower Tunguska, Vilui, Aldan, south regions of Magadan Province, Kamchatka, Amur basin, Primorye; Mongolia; China: Xinjiang, Qinghai, Sichuan, Shanxi, Nei Mongol, Dunbei; Korea; Asian Russia: Sakhalin, Kuriles; Japan: Hokkaido, Honshu (Maps 45-46); North America - *P. p. petrosa* (WALKER, 12855): northern and western Canada; USA: ?Alaska, Cordilleras.

**P. plantaginis araitensis** MATSUMURA, 1929; Ins. Matsum. 3: 168. Type locality: "Kuriles...Araitō" [Russia: North Kurile islands: Alaid Is.].

=*[Chelonia Plantaginis] Var. Kamtschatica* MÉNÉTRIÈS, 1857, nomen nudum; Cat. lep. Petersb. 2: 110.

=*Parasemia plantaginis kamtschadaha* BRYK, 1942, nomen nudum; Dt. Ent. Z. Iris 56: 30.

=*Parasemia plantaginis paramushira* BRYK, 1942; Dt. Ent. Z. Iris 56: 30-31. Type locality: "Paramushir (Nakadobiai und Kakumabetsu)" [Russia: North Kurile islands: Paramushir]. Asian Russia: northern part of Khabarovsk Province (the Sea of Okhotsk coast), Magadan Province (the Sea of Okhotsk coast), Kamchatka, North Kuriles (Paramushir, Alaid).

**P. plantaginis kunashirica** BRYK, 1942; Dt. Ent. Z. Iris 56: 29-30, t. 2, f. 11. Type locality: "Kunashiri (Tomari)" [Russia: South Kuriles: Kunashir: Golovnino].

=*Parasemia plantaginis jezoensis* INOUE, 1976 **syn. nov.**; Bull. Fac. domesc. Sci. Otsum. Univ. 12: 170, pl. 2, fig. 47-48; Type

locality: “Nukabira, Obihiro” [Japan, Hokkaido]. South Kuriles: Kunashir and neighbouring islands; Japan: Hokkaido. Note: In the original description, INOUE noted that he saw no specimen from Kunashir, and *P. p. kunashirica* was known to him by the figure in BRYK’s description only. Comparison of individual variation of specimens from Kunashir with a series of photographs by INOUE (1976) and KISHIDA (2004) shows that both are nearly identical.

- P. plantaginis macromera*** (BUTLER, 1881); Trans. Ent. Soc. Lond. **1881**: 5 (*Nemeophila macromera*). Type locality: “Tokei” [Japan: Tokyo]. = [*Nemeophila macromera*] Var. *leucomera* BUTLER, 1881; Trans. Ent. Soc. Lond. **1881**: 5. Type locality: “Tokei” [Japan: Tokyo]. Japan: Honshu: North-eastern Nagano and adjacent territories. Note: Light colored subspecies, hindwings yellow or white but with broad dark margin on hindwings.
- P. plantaginis melanomera*** (BUTLER, 1881); Trans. Ent. Soc. Lond. **1881**: 5 ([*Nemeophila macromera*] Var. *melanomera*). Type locality: “Tokei” [Japan: Tokyo]. = *Parasemia plantaginis japonica* INOUE & KOBAYASHI, 1956; Tinea **3**: 138-139, t. 17, f. 4-6. Type locality: “Kamikochi, Nagano Pref.” [Japan]. Japan: Honshu: western Nagano. Note: Dark colored subspecies, hindwings usually black with small white spots.
- P. plantaginis melanissima*** INOUE, 1976; Bull. Fac. domesc. Sci. Otsum. Wom. Univ. **12**: 171-172, pl. 2, fig. 54-57. Type locality: “Kitazawa Pass, S. Alps” [Japan]. Japan: Honshu: south-eastern Nagano, north-western Imanishi. Note: Most melanistic subspecies from Japan, hindwings entirely black; very similar to *P. p. nycticans* MËN.
- P. plantaginis nycticans*** (MËNÉTRIËS, [26 août 1858] 1859); Bull. phys.-math. Acad. Imp. Sci. St.Petersb. **17** (14): 217-218 (*Lithosia nycticans*). Type locality: “Vilui” [Russia: Yakutia]. = *Nemeophila plantaginis* ab. *melas* CHRISTOPH, 1893; Dt. Ent. Z. Iris **6**: 88. Type locality: “Vilui” [Yakutia]. Lectotype designated by DUBATOLOV (1996a: 345). Asian Russia: north regions of West Siberia, Evenkia, Yakutia, Magadan province (excluding the Sea of Okhotsk coast).
- P. plantaginis sachalinensis*** MATSUMURA, 1930; Ins. Matsum. **5**: 72 (*Parasemia plantaginis sachalinensis*). Type locality: “Saghalien” [Russia]. = *Parasemia plantaginis macromera* ab. *sachalinensis* MATSUMURA, 1927; J. Coll. Agr. Hokkaido Imp. Univ. **19** (1): 59. Infrasubspecific form, was introduced as a tetranomen. Asian Russia: Sakhalin.
- P. plantaginis sifanica*** (GRUM-GRSHIMAILO, 1891); Horae Soc. Ent. Ross. **25**: 462 (*Nemeophila Plantaginis* var. *Sifanica*). Type locality: “montibus Sinin-Schan” [mountains between Xining and Lake Kuku-Nor (Qinghai), Qinghai province, China]. Lectotype designated by DUBATOLOV (1996a: 352). = *Parasemia plantaginis altaica* SEITZ, 1910; Gross-Schmett. Erde **2**: 81, fig. 16f. Type locality: “Altai” [Russia]. = *Parasemia plantaginis stoetzneri* O. BANG-HAAS, 1927; Horae Macrolep. **1**: 59, t. 8, fig. 11 (*Parasemia plantaginis stötzneri*). Type locality: “China occ.: Szetschwan sept.; ... Sung-pan (400 km südöstlich des Kuku nors und 320 km nördlich von Tatricula); ... Kwang-juen” [China: Sichuan]. China: mountains of Sichuan and Qinghai; mountains of Mongolia and Russian Altai and Sayan.
- A group of subspecies with red to rosy (sometimes bright yellow) hindwings in  $\sigma\sigma$  that are distributed from the Balkans via Turkey to the Caucasus and Alburz:
- P. plantaginis carbonelli*** DE FREINA, 1993; Linneana Belgica **14** (3): 159, 162, figs 16-24. Type locality: “Turkey: ..., Hakkâri prov., Altin dağlari, 3000 m”. South-eastern Turkey (Kurdistan).
- P. plantaginis caspica*** DANIEL, 1939; Mitt. Münch. Ent. Ges. **29**: [362]-363. Type locality: “... aus dem Nordelburs, bezettelt Elburs monts s., Tacht i Suleiman, Hecarçal Tal, ..., Särdeb-Tal” [Iran]. Northern Iran: Alburz Mts.
- P. plantaginis caucasica*** (MËNÉTRIËS, 1832); Cat. raison.: 262-263 (*Chelonia Caucasica*). Type locality: “sur les Alpes du Caucase” [Russia, North Caucasus: Mt. Elburs region]. Lectotype designated by DUBATOLOV (1996a: 339). = *Parasemia plantaginis passanauriensis* ALBERTI, 1973; Atalanta **4** (6): 389. Type locality: “Zentral-Kaukasus, Passanauri 1700 m” [Georgia]. Russia: North Caucasus; Transcaucasia; north-eastern Turkey (DE FREINA, 1993).
- P. plantaginis hesselbarthi*** DE FREINA, 1981; Atalanta **12** (1): 43-44, 54, f. 17, 18, 31-33. Type locality: “Anatolia sept., Prov. Bursa, Uludâgh, 2000 m” [Western Turkey].
- P. plantaginis interrupta*** DRAUDT, 1931; Macrolep. World **2** Suppl.: 77 (*Parasemia [plantaginis] interrupta*). Type locality: “Bosnia”. = [*Parasemia plantaginis hospita*] f. *interrupta* SCHAWERDA, 1910; Verh. zool.-bot. Ges. Wien **60**: (90). Type locality: “Bosnien ... Trebević”. This name was introduced as a tetranomen of a clearly infraspecific status! Europe: Romania, Balkans (Croatia, Serbia, Bosnia-Herzegovina, Albania, Macedonia-Scopje, Bulgaria, northern Greece).
- Eucharia*** HÜBNER, [1820] 1816, Verz. bekannter Schmett.: 181. Type species *Phalaena hebe* LINNAEUS, 1758, by subsequent designation by KIRBY (1880), Zool. Rec. **15** (1878): 197. = *Ammobiota* WALLENGREN, 1885, Skand. Heterocer-Fjärilar **2**: 304. Type species: *Phalaena hebe* LINNAEUS, 1758, by monotypy.
- Eucharia festiva*** (HUFNAGEL, 1766); Berl. Mag. **2**: 416 (*Phalaena festiva*). Type locality: “Berlin” [Germany]. = *Phalaena Bombyx hebe* LINNAEUS, 1767; Syst. Nat. (Edn. 12) **1** (2): 820. Type locality: “Germania” [Germany]. Lectotype designated by MIKKOLA & HONEY (1993: 132). = *Phalaena monacha* GEOFFROY, 1785; Ent. Paris **2**: 260. Type locality: “[Agro Parisiensis]” [France: Paris rural suburbs]. = *Arctia hebe Ragusai* STAUDER, 1928; Lep. Rundsch. **2**: 114-115. Type locality: “oberhalb Boccadifalco bei Palermo auf den Hutweiden des Monte Cuccio und auf ebensolchem Terrain des Pizzo del Corvo bei Cinisi” [Italy: Sicily]. Central and South Europe (excluding southern regions of Iberian peninsula, western France, coasts of the North and Baltic Seas, Alps and Peloponnes); Baltia (Lithuania); Belarus; Ukraine, Crimea; European Russia north to Kaluga and Lower Kama; North Caucasus; Transcaucasia; Turkey, Near East; Kazakhstan; eastern Central Asia (Tashkent, Alai), Asian Russia: West Siberia north to

Kurgan, Omsk and Novosibirsk, West Altai, Tuva, South Transbaikalia; Mongolia; China: Xinjiang, Nei Mongol, Hebei, Yunnan (Maps 47-48). Note: ♀♀ of the nominotypical subspecies have separated medial bands on forewings. It is distributed in Europe, North Caucasus, northern Kazakhstan, West Siberia.

*E. festiva arafati* (DE FREINA, 1997); Linn. Belg. **16** (1): 56-59, pl. 2, fig. 22-26 (*Arctia festiva arafati*). Type species: "Syrie, Anti-Liban, env. Sadnaya, 1500-1600 m". Near East: Syria and probably neighbouring countries.

*E. festiva collaris* (GRUM-GRSHIMAILO, [1900] 1899); Ежегодник Зоологического музея Императорской академии наук [Ann. Mus. Zool. Imp. Acad. Sci. St.-Petersb] **4**: 462 (*Arctia hebe* var. *collaris*). Type locality: "In montibus In-schan, in itinere inter Peking et Dolon-noor ... въ горах Инъ-Шань къ югу отъ оз. Долонъ-нора" [China: Nei Mongol or North Hebei, in mountains south from Dolonnur (=Duolun)]. Lectotype designated by DUBATOLOV (1996a: 350).

= *Chelonia culoti* OBERTHÜR, 1912; Ét. l'ép. comp. **6**: 322-323, t. 116, f. 10-28. Type locality: "Sibérie orientale" [Russia, probably south-eastern Transbaikalia]. Asian Russia: south-eastern Transbaikalia; eastern Mongolia; China: Nei Mongol, Hebei. Note: this subspecies has entirely red patagiae in ♂♂ and white in ♀♀.

*E. festiva hormozgana* DUBATOLOV, 2005; Atalanta **36** (3/4): 496, fig. 7, col. pl. 9, fig. 38. Type locality: "Iran, Hormozgan, Gouzam (probably, Gurzang near Minab)".

*E. festiva interposita* (O. BANG-HAAS, 1927); Horae Macrolep. **1**: 76, t. 9, f. 21, 22 (*Arctia festiva interposita*). Type locality: "Alai mont. ... Margelan" [Uzbekistan or Kyrgyzstan]. Central Asia: Fergana valley. Specimens from South Karatau in southern Kazakhstan and Tashkent vic. do not differ from the types. Note: The subspecies is characterized by entirely black forewings in ♀♀; I have not seen modern material of this subspecies from the Fergana valley.

*E. festiva interrogationis* (MÉNÉTRIÉS, 1863); Cat. lep. Pet. **3**: 147-148, t. 15, f. 1 (*Chelonia interrogationis*). Type locality: "a été envoyée des mines de Kholivan, en Sibérie" [Russia: Altai]. This label is not correct: Kolyvan district in Altaiskii Krai province is inhabited by a different (nominotypical) subspecies; most probably the type specimen was caught in South-Eastern Altai. Asian Russia: Altai Mts., Tuva, western Transbaikalia; western and central Mongolia. Note: This subspecies has black patagiae margined with red in ♂♂, but white with dark margins in ♀♀. It is transitional to *E. f. collaris* GR.-GR.

*E. festiva karabagha* DUBATOLOV, 2007; Atalanta **38** (3/4): 352, col. plate 17, fig. 3-4. Type locality: "the Azerbaijan/Armenia disputed territory, Karabagh, Jurdi". Eastern Transcaucasia.

*E. festiva murzini* DUBATOLOV, 2005; Atalanta **36** (3/4): 529-530, col. pl. 13, fig. 7. Type locality: "China, N Yunnan, env. Xiaguan, 2100 m". South-western China: Yunnan.

*E. festiva nivea* (O. BANG-HAAS, 1927); Horae Macrolepidop. **1**: 75, t. 9, f. 14, 15 (*Arctia festiva nivea*). Type locality: "Asia minor: Aintab ... Malatia ... Amasia ... Tokat" [Turkey]. Asia minor; western and northern Iran; Transcaucasia; Russia: North Caucasus (partly).

*E. festiva sartha* (Staudinger, 1887); Stett. Ent. Z. **48** (1-3): 82 (*Arctia Hebe* var. *Sartha*). Type locality: "Alai ... Alexandergebirge" [Kyrgyzstan or Uzbekistan].

= *Arctia hebe* L. nov. var. *iliensis* F. WAGNER, 1913; Int. Ent. Z. **7** (1): 4. Type locality: "[Jli-Gebiet]" [Kazakhstan].

= *Arctia festiva philippsi* O. BANG-HAAS, 1927; Horae Macrolepidop. **1**: 76, t. 9, f. 20. Type locality: "Gouv. Syr Darja: Kreis Perowsk, Baig-cum" [Kazakhstan]. Southern and eastern Kazakhstan; Central Asia (Tashkent); China (Xinjiang).

*Pericallia* Hübner, [1820] 1816, Verz. bekannter Schmett.: 182.

Type species: *Phalaena matronula* LINNAEUS, 1758, by monotypy.

= *Pleretes* LEDERER, 1853a, Verh. zool.-bot. Ver. Wien **2** (Abh.): 77. Type species: *Phalaena matronula* LINNAEUS, 1758, by monotypy.

*Pericallia matronula* (LINNAEUS, 1758); Syst. Nat. (Edn. 10) **1**: 509 ([*Phalæna Noctua*] *Matronula*). Type locality: "in Germania".

= *Phalæna idriensis* SCOPOLI, 1772; Annus N.H. **5**: 113-114. Type locality: "in Sylvis Idriensibus Carnioliae" [Slovenia: Idrija, forests].

= *Bombyx matrona* HÜBNER, [1800-03]; Samml. Europ. Schmett. Lep. **3**, Bomb.: t. 32, f. 138, [1803-08]: t. 55, f. 239. Type locality: not stated, probably Augsburg vic. [Germany].

= *Pericallia matronula* var. *centralasiae* O. SCHULTZ, 1905; Ent. Zeit. **18** (31): 213. Type locality: "aus Saisan (Central-Asien)" [Kazakhstan].

= *Pericallia matronula amurensis* SHELJUZHKO, 1926; Deut. Ent. Zeit. Iris **40**: 56. Type locality: "Nikolajevsk (an der Amurmündung)" [Russia: Khabarovsk Province]. Europe: eastern France, southern and central Germany, Alps; Central Europe from central Poland to Hungary and Carpathians in Romania; Baltia (Lithuania); Belarus; northern Ukraine; European Russia north to St.-Petersburg, Upper Volga and Lower Kama, south to Saratov; Asian Russia north to Kurgan, rivers Chulym and Angara, North Baikal (Kichera); Transbaikalia; northern Mongolia; Far Eastern Russia: the whole Amur basin, Primorye, South Sakhalin, South Kuriles; China: Dunbei, North Nei Mongol, Hebei, Shanxi, Ningxia, Gansu; Korea, Japan: Hokkaido, Honshu (Map 49).

*P. matronula sachalinensis* DRAUDT, 1931; in SEITZ, Macrolep. World **2** Suppl.: 84, fig. 7e. Type locality: "Saghalin" [Russia, South Sakhalin].

*P. matronula helena* DUBATOLOV & KISHIDA, 2004; Tinea **18** (3): 226-227, fig. 8-10, 17-19. Type locality: "Southern Kuriles, South-Western Kunashir, Cape Ivanovsky". South Kuriles: Kunashir; Japan: Hokkaido, Honshu.

*Gonerda* MOORE, 1879, Proc. Zool. Soc. London **1879**: 395.

Type species: *Gonerda perornata* MOORE, 1879, by monotypy.

Note: The systematic position of several taxa that KISHIDA (1995) described from Nepal is still uncertain. DE FREINA (1999b) wrote that he has dissected a series of *Gonerda* specimens from the Annapurna Range (that might be attributed to *G. euphrosyne* KISHIDA) and found great individual variability in the ♂ genitalia that is wider than differences between many species from Nepal. So, he synonymized at least *G. auxo* KISHIDA, *G. kale* KISHIDA and *G. thaleia* KISHIDA with *G. bretaudeaui* OBTH. Nevertheless, the status of *G. aglaia* KISHIDA and *G. euphrosyne* KISHIDA was not discussed. It is quite possible that Nepal and Sikkim are inhabited by a single *Gonerda* species, but a serious study is needed to prove this.



- Gonerda aglaia* KISHIDA, 1995; *Tinea* **14** (Suppl. 2): 40-41, pl. 107, fig. 8. Type locality: “Langtang Himal, Bagmati, Langtang (3,880 m)” [Nepal]. Himalayas in the middle part of Nepal (Map 50).
- Gonerda auxo* KISHIDA, 1995; *Tinea* **14** (Suppl. 2): 40, pl. 107, fig. 6, 7. Type locality: “Rolwaling Himal, Janakpur, Na-Gaon (4,050 m)” [Nepal]. Himalayas in the middle part of Nepal (Map 50).
- Gonerda bretaudeaui* OBERTHÜR, 1896; *Ét. d'Ent.* **20**: 55, t. 10, fig. 1790-1800 (*Gonerda Bretaudeaui*). Type locality: “... aux environs d Darjeeling et de Kursong ... de Sikkim” [India]. India: East Himalayas in West Bengal and Sikkim (Map 50).
- Gonerda euphrosyne* KISHIDA, 1995; *Tinea* **14** (Suppl. 2): 40, pl. 107, fig. 4, 5. Type locality: “Manaslu Himal, Gandaki, Mt Manaslu (4,170 m)” [Nepal]. Himalayas in the middle part of Nepal (Map 50).
- Gonerda gloria* DE FREINA, 1999; *Atalanta* **30** (1/4): 180-181, T. 14b, Abb. 1. Type locality: “Fundort Ost-Tibet, Bayi-vil-Wadto, Syzkimla [=Sherkym-La], 4100 m” [China]. China: East Himalayas in south-eastern Tibet (Map 50).
- Gonerda kale* KISHIDA, 1995; *Tinea* **14** (Suppl. 2): 40, pl. 107, fig. 10, 11. Type locality: “Inner Himal, Dhaulagiri, Mustang, Sangda (4,460 m)” [Nepal]. Himalayas in the northern part of Nepal: Mustang (Map 50).
- Gonerda perornata* MOORE, 1879a; *Proc. Zool. Soc. London* **1879**: 395, pl. 32, f. 2. Type locality: “Cashmere” [India or Pakistan]. Pakistan: Azad Kashmir (Kaghan Valley and Junkar Range); India (Kashmir) (Map 50). Localities from central Asia are incorrect.
- Gonerda thaleia* KISHIDA, 1995; *Tinea* **14** (Suppl. 2): 39-40, pl. 109, fig. 9. Type locality: “Kanchenjunga, Mechi, Yangma (4,000 m)” [Nepal]. Himalayas in the southern part of Nepal: Kanchenjunga (Map 50).
- Gonerda watsoni* THOMAS, 1987; *Nachr. Ent. Ver. Apollo N.F.* **7** (4): 125-130, Abb. 3. Type locality: “N. Burma, Adung Valley, 1300 ft.”. East Himalayas on the border between China and North Burma (Myanmar) (Map 50).

***Preparctia*** HAMPSON, 1901, *Cat. Lepid. Phalaenae Br. Mus.* **3**: xi, 5, 219.

Type species: *Chelonia mirifica* OBERTHÜR, 1892, by original designation (genus revised by DUBATOLOV, KISHIDA & WU, 2005).

- Preparctia allardi* (OBERTHÜR, 1911); *Ét. Lep. comp.* **5** (1): 323, t. LXVI, fig. 637 (*Chelonia Allardi*). Type locality: “les montagnes des environs de Tâ-tsién-Lou” ... “Frontière orientale du Thibet” [China]. China: eastern Tibet, Sichuan, southern Qinghai (Map 51).

- P. allardi tibetica* DUBATOLOV, KISHIDA & WU, 2005; *Tinea* **19** (1): 33-34, figs 17-18, 26. Type locality: “China: ... Qinghai, Fumu, N. Yushu, 3000 m”. China: eastern Tibet.

- Preparctia buddenbrocki* KOTZSCH, 1929; *Ent. Z.* **43**: 206, fig. 10. Type locality: “Kansu, Lassa” [China: Gansu]. = *Preparctia buddenbrocki biedermanni* O. BANG-HAAS, 1933; *Ent. Z.* **46**: 263. Type locality: “Kansu mer. occ., Min, Minschan, 3000 m” [China: Gansu]. Probably, this is a good subspecies. China: Gansu, southern Shaanxi (Map 51).

- Preparctia cupido* KISHIDA, 1995; *Tinea* **14** (Suppl. 2): 41, fig. 614, pl. 107, fig. 12. Type locality: “Machhapuchar” [Nepal]. (Map 51).

- Preparctia hannynghoni* HAMPSON, 1910; *J. Bombay Nat. Hist. Soc.* **20** (1): 119, t. F, fig. 34. Type locality: “Kumaon, Niti Pass, 10,000' ” [India]. India: North-West Himalayas; Nepal (Map 51).

- Preparctia mirifica* (OBERTHÜR, 1892); *Ét. d'Ent.* **16**: 8-9, pl. 1, fig. 7 (*Chelonia Mirifica*). Type locality: “Du pays au nord de Tâ-tsién-loû” [China: Sichuan]. China: eastern Tibet, Sichuan, northern Yunnan (Map 51).

Note: Gansu, Qinghai and most part of Tibet (FANG, 1982b, 1992a) are incorrect localities based on incorrect determinations.

- Preparctia romanovi* (GRUM-GRSHIMAILO, 1891); *Horae Soc. Ent. Ross.* **25**: 462 (*Arctia*). Type locality: “in regione subnivea montium Sinin-Schan” [перевал Лянжа-сань: Lyanzha-san' pass] [China: Qinghai]. China: Qinghai, Gansu, North Sichuan (Map 51). Note: Batang and eastern Tibet: Zogang, Markam, are incorrect localities based on incorrect determinations.

***Sinoarctia*** DUBATOLOV, 1987, *Насекомые, клещи и гельминты* [Insects, mites and helminths]. Novosibirsk: 33-35.

Type species: *Sinoarctia kasnakovi* DUBATOLOV, 1987, by original designation.

- Sinoarctia kasnakovi* DUBATOLOV, 1987; *Насекомые, клещи и гельминты* [Insects, mites and helminths]. Novosibirsk: 35-36. Type locality: “Китай, Цинхай, верховье р. Бы чо, горы Баян-Хара-Ула (Нямцо); верховье р. Янцзы, 4500 м” [China, Qinghai, river Bychyu headwater, Bayan-Hara-Ula Mts. (Nyamtso); river Yangtse headwater, 4500 m a.s.l.]. China: Qinghai (Bayan Har Shan Mts.) (Map 52).

- Sinoarctia forsteri* (DANIEL, 1943); *Mitt. Münch. Ent. Ges.* **33** (3): 680, t. XIV, fig. 13 (*Micrarctia forsteri*). Type locality: “Batang (Tibet), Alpine Zone ca. 5000 m” [China, Sichuan]. China: Sichuan (mountains near Batang) (Map 52).

- Sinoarctia sieversi* (GRUM-GRSHIMAILO, 1891); *Horae Soc. Ent. Ross.* **25**: 462-463 (*Arctia*). Type locality: “[Sinin-Schan]” ... „Хунь-гоза“ [Hun-goza], more correctly: „перевал Хун-э-цзы“ [Hun-yo-tsy pass]; this pass is situated in 20 km SW from Huangzhong, or in 45 km SW from Xining, Qinghai, China (DUBATOLOV, 1996a). China: Qinghai, Gansu (Map 52).

***Borearctia*** DUBATOLOV, 1984, *Энтомологическое обозрение* [Entomol. Obozr.] **63**: 337-339.

Type species: *Euprepia menetriesii* EVERS-MANN, 1846 (cited as *Euprepia menetriesi* Ev.), by original designation.

- Borearctia menetriesii* (EVERSMANN, 1846); *Bull. Soc. Imp. Nat. Moscou* **19** (3): 84, t. 1, f. 2 (*Euprepia Menetriesii*). Type locality: [Habitat in promontoriis Altaicus australibus] [East Kazakhstan: in front of South Altai mountains]. Europe: middle Finland; European Russia: Karelia; North Ural; Asian Russia: Lower Ob (Oktyabrskoe), Altai, Sayans; Evenkia, Yakutia; north-eastern Kazakhstan (?); Far Eastern Russia: north parts of Amur basin; Sikhote-Alin Mts.; Sakhalin (river Poronai) (Map 53). Most probably, a record from Dunbei (north-eastern China) (FANG, 1982b: 225, as „*principalis*“) might be attributed to this species.

**Pararctia** SOTAVALTA, 1965; Ann. Ent. Fenn. 31 (3): 173.Type species: *Bombyx lapponica* THUNBERG, 1791 (cited as *Pararctia lapponica*), by original designation.**Pararctia lapponica** (THUNBERG, 1791); Diss. ent. sistens Insecta Suecica 2: 40-41, pl. fig. 7 (*Bombyx lapponica*). Type locality: "Lapponia" [Finland].= *Phal.[aena] Bombyx Festiva* BORKHAUSEN, 1790; Eur. Schmett. 3: 191-192. Type locality: "aus Lappland" [Finland].= *Bombyx avia* HÜBNER, [1803-08]; Samml. Europ. Schmett. Lep. 3, Bomb.: t. 53, f. 230, t. 58, f. 247. Type locality: not stated, probably North Scandinavia.

Europe: Polar Scandinavia; Russia: polar regions (Kola peninsula, Mesen, Kanin Peninsula, Pechora river (Ust-Tsilma), Polar Ural; Yamal, Taimyr, South Siberian mountains (Altai, Tannu-Ola, East Sayan, Transbaikalia, Stanovoi range), Yakutia, Magadan Province, Chukotka, Wrangel Is., Kamchatka (Map 54); North America: USA: Alaska, northern Canada, east to Quebec.

**P. lapponica lemniscata** (STICHEL, 1911 [1912]); Berl. Ent. Z. 56: 99 (*A.[rctia] festiva lemniscata*). Type locality: "Viluisk (Ost-Sibirien)", ниже устья р. Тюкян, около 80 км З Вилюйска, Якутия [downstreams from the river Tyukyan mouth, about 80 km W from Vilyuisk, Yakutia, Russia], from the data of the type collect (26.VI.1889).

Asian Russia, Yakutia: Vilyui river basin, mountains of eastern Yakutia.

**Pararctia subnebulosa** (DYAR, 1899); Ent. News 10: 130-131 (*Hyphoraia subnebulosa*). Type locality: "Nushagak, Alaska ..., Point Barrow ... and Bethel, Kuskoquim River" [USA: Alaska].

Asian Russia: Polar Ural, Yamal, Gydan, Taimyr, Polar Yakutia, mountains of South Yakutia (?), Chukotka, northern Koryakia (Map 55). In North America (Alaska and Yukon) the nominotypical subspecies is distributed.

**P. subnebulosa tundrana** ТШИСТЯКОВ, 1990; Новости систематики насекомых Дальнего Востока [News of systematic of insects from the Far East]. Vladivostok: 97-98, f. 1-3 (*Pararctia tundrana*). Type locality: "Магаданская обл., Чукотский национальный округ: ... Чаплино, горячие ключи" [Russia: Magadan Province, Chukotka National Region: Chaplino, hot springs].

Asian Russia: Polar Ural, Yamal, Gydan, Taimyr, Polar Yakutia, mountains of southern Yakutia (?), Chukotka, northern Koryakia.

**Platarctia** PACKARD, 1864, Proc. Ent. Soc. Philad. 3: 109-110.Type species: *Arctia parthenos* HARRIS, 1850, by subsequent designation by KIRBY (1892), Synonymic Cat. Lep. Het. 1: 257.**Platarctia ornata** (STAUDINGER, 1896) **comb. nov.**; Dt. Ent. Z. Iris 9: 188-190, t.4, f. 1, 2 (*Arctia ornata*). Type locality: "Urga (südlich von Kiachta in der Mongolei gelegen)" [Mongolia].= *Hyphoraia ornata atropurpurea* O. BANG-HAAS, 1927; Horae Macrolep. 1: 117. Type locality: "Gouv. Irkutsk, Sajan mont., südwestl. des Baikal Sees, Chulugaisha, 2600 m" [Russia]. Asian Russia: Middle Enisei, Altai, Sayans, Transbaikalia, Yakutia (excluding polar regions), southern part of Magadan Province; Mongolia (Map 56).Note: SOTAVALTA (1965) considered the name *ornata* STAUDINGER, 1896 to be praecoccupied by *ornata* PACKARD, 1864. Nevertheless, the first one was introduced in *Arctia* SCHRANK, 1802, the second - in *Callarctia* PACKARD, 1864. Both generic names are objective synonyms, so *A. ornata* STGR. and *C. ornata* PACK. were described within the same genus. Nevertheless, according to Article 53.3 on ICZN, two names are homonyms only if they were introduced or later considered under the same generic name, but not in the same genus. So, *ornata* STAUDINGER, 1896 and *ornata* PACKARD, 1864 are not homonyms.**P. ornata sotavaltai** DUBATOLOV, 1996 **comb. nov.**; Neue Ent. Nachr. 37: 49, 70-71, Fig. 2g (not 2d!). Type locality: "E. Yakutia, 180 km ENE of the settlement Khandyga, the upper course of the East Khandyga River, the stream Kyurbelyakh" [Russia].

Asian Russia: mountains of eastern Yakutia, Magadan province.

**Platarctia murzini** DUBATOLOV, 2005; Atalanta 36 (3/4): 530, fig. 13, col. pl. 13, fig. 8. Type locality: "Shaanxi, Tai Bai Shan, 1600 m, 33°35'N 107°43'E" [China]. China: Gansu, Shaanxi (Map 57).**Platarctia souliei** (OBERTHÜR, 1903); Hist. Miss. Thibet Adrien Launay: 413, fig. 4, 5 (*Arctia*). Type locality: "environs de Ta-tsiensiou" [China: Sichuan]. Lectotype designated by DUBATOLOV (2005: 530). China: Sichuan (Map 57).**Orontobia** DE FREINA, 1997; Linn. belg. 16 (1): 50.Type species: *Orontobia dalailama* DE FREINA, 1997, by original designation.**Orontobia coelestina** (PÜNGELER, 1904); Soc. Ent. 19 (16): 121-122 (*Phragmatobia coelestina*). Type locality: "Altyn-Tagh" [China: Xinjiang]. China: Xinjiang: Altyn Shan (Map 58). Note: The species was based on the single ♀; it might belong to the genus *Palerontobia* DUBAT.**Orontobia mooseri** DE FREINA, 1997; Linn. Belg. 16 (1): 54-55, pl. 1, fig. 10-14. Type locality: "Tibet oriental, Demu-La (=Demo-La) 4500 m" [China]. China: eastern Tibet (Map 58).**Orontobia secreta** (DRAUDT, 1931); Macrolep. World 2 Suppl.: 78, fig. 6i (*Oroncus secreta*). Type locality: "N. Kansu" [China: Gansu].= *Orontobia dalailama kansuensis* DE FREINA, 1997, Linn. Belg. 16 (1): 52, pl. 1, fig. 7. Type locality: "Chine/Gansu, Quilian Shan, Jingtianshan, 100 km au sud de Jiayuguan ... 3500-4100 m" [China: Gansu]. China: Gansu, Qinghai, Tibet (Map 58).= *Orontobia secreta dalailama* DE FREINA, 1997; Linn. belg. 16 (1): 51-52, pl. 1, fig. 1-5 (*Orontobia dalailama*). Type locality: "Chine, Tibet, Largeh-La, Namco, 4800-5500 m d'alt." [China: Tibet]. China: Tibet.**Orontobia taglangla** DE FREINA, 1997; Linn. belg. 16 (1): 53-54, pl. 1, fig. 6, 9. Type locality: "Inde septentrionale, Ladakh, Taglang-La, 4400-5200 m" [India: Jammu and Kashmir]. India: Kashmir: Ladakh (Map 58).**Orontobia murzini** DUBATOLOV, 2005; Atalanta 36 (3/4): 528-529, fig. 11, col. pl. 13, fig. 5. Type locality: "China, Sichuan SW, Xiancheng, 3000 m". China: Sichuan (Map 58).

***Palerontobia* DUBATOLOV, 2008; Atalanta 39 (1-4): 351-353.**

Type species: *Palerontobia kozlovi* DUBATOLOV, 2008, by original designation.

*Palerontobia kozlovi* DUBATOLOV, 2008a; Atalanta 39 (1-4): 353-355, fig. 1-2 (gen.), colour plate 15, fig. 1-2. Type locality: "China, Qinghai province, the By-chu (Nyamtso) river, the Blue River basin [Tongtian he, Zhi Qu, Yangtze headwater], 14000" (Map 58).

***Oroncus* SEITZ, 1910; Gross-Schmett. Erde 2: 82-83.**

Type species: *Phragmatobia urania* PÜNGELER, 1904, by subsequent designation by HAMPSON, 1920, Cat. Lep. Phalaenae Br. Mus. (Suppl.) 2: 342 (cited as *Oroncus urania*).

*Oroncus bundeli* DUBATOLOV & GURKO, 2004; Atalanta 35 (3/4): 399-410, fig. 1, colour plate 21 a, fig. 1-5. Type locality: "Tadjikistan, S.-W. Pamirs, Dzhilandy" [Tadjikistan: Pamirs]. Central Asia: Tadjikistan: western Pamirs (Maps 59-60).

*Oroncus elisabethae* (KOTZSCH, 1938/39); Ent. Rundschau 55 (1): 9-10 (*Micrarctia elisabethae*). Type locality: "Chodja Mahomed in der Alpenwiesenzone in der Höhe von 3500 m" [Afghanistan]. Afghanistan: Khvodjeh Mohammad Range in southern Badakhshan (Map 59).

*Oroncus tancrei* (STAUDINGER, 1887); Stettin. Ent. Z. 48 (1-3): 81-82 (*Arctia tancrei*). Type locality: "Issyk-Kul". Issykul, Sulucka = Souka Paß 4270 m ... der Souka Paß auf der Straße Poschewalsk (heißt jetzt Karakol) - Ak-bel-Paß - Utytsch-Turfan - Aksu liegt (O. BANG-HAAS, 1927) [Kyrghyzstan]. Kazakhstan: Dzhungarian Alatau Mts.; Kyrghyzstan (North, Inner and Central Tien Shan, Alai, Transalai); Alai-Pamirs (within Tadjikistan and Uzbekistan); China: Xinjiang (East Tien Shan). The nominotypical subspecies is distributed in North, Inner and Central Tien Shan (Maps 59-60).

*O. tancrei alaica* O. BANG-HAAS, 1927; Horae Macrolep. 1: 61, t. 8, f. 19, 20 (*Oroncus tancrei*). Type locality: "Ferghana: Transalai und Alai mont. ... Transalai mont. ... Alai mont., Ispajran" [Kyrghyzstan]. Central Asia: Alai-Pamirs: Turkestan Range, Alai Range, Transalai Range.

*O. tancrei fasciata* O. BANG-HAAS, 1927; Horae Macrolep. 1: 61, t. 8, f. 17 (*Oroncus tancrei fasciata*). Type locality: "Thianchan sept.: Dsharkent" [Kazakhstan: Taldy-Kurgan Province]. Kazakhstan: Dzhungarian Alatau Mts., probably also in neighbouring China territory.

*O. tancrei urania* (PÜNGELER, 1904); Soc. Ent. 19 (16): 121 (*Phragmatobia urania*). Type locality: "aus den Bergen nördlich von Korla und ... Hochgebirge bei Aksu" [China: Xinjiang]. Central Asia: Kyrghyzstan (Central Tien Shan); China: Xinjiang (Central Tien Shan).

Subgenus ***Arctoroncus* GURKO & DUBATOLOV, 2004; Atalanta 35 (1/2): 84.**

Type species: *Oroncus (Arctoroncus) gurkoi* DUBATOLOV, 2004, by original designation.

*Oroncus (Arctoroncus) gurkoi* DUBATOLOV, 2004; Atalanta 35 (1/2): 84-87, fig. 1, colour plate 4 b, figs 1, 2. Type locality: "Pakistan, prov. Azad Jammu & Kashmir, NW from Junkar [ca. 100 km N from the Indian Kargil], 4400-4800 m". (Map 60)

*Oroncus (Arctoroncus) ladakensis* O. BANG-HAAS, 1927; Horae Macrolep. 1: 116 (*Oroncus ladakensis*). Type locality: "Ladak: Sham, Chalsi, 5000 m" [India: Jammu and Kashmir]. India: Kashmir: Ladakh and Zanskar Ranges (Map 60). Record from Chinese Xinjiang (Aksu) was probably based on incorrect labels.

*Oroncus (Arctoroncus) weigerti* (DE FREINA & WITT, 1985); Nota Lep. 8 (1): 21-23, Abb. 1 (*Arctia weigerti*). Type locality: "Nordpakistan, Karakorum, Naltar, 3600-4000 m" [Pakistan: Azad Kashmir]. North Pakistan: Azad Kashmir: Karakorum Range (Map 60).

***Acerbia* SOTAVALTA, 1963, Ann. Ent. Fenn. 29 (4): 264.**

Type species *Bombyx alpina* QUENSEL, 1802 (cited as *A. alpina*), by original designation.

*Acerbia alpina* (QUENSEL, 1802); Travels through Sweden, Finland and Lapland to North Cape, 1798 & 1799 2: 253, pl. I, fig. 4 (*Bombyx*). Type locality: "Lapland", Enontekiö, Finland (KAISILA, 1959).

= *Bombyx Thulea* DALMAN, 1823; Analecta Ent. Holmiae: 92. Type locality: "ad Enontekis Lapponiæ" [Finland: Enontekiö].

Europe: mountains of Polar Scandinavia (Torne Lappmark in Sweden and Enontekiö region in Finland); Russia: Polar Ural, southern Yamal, Taimyr, Altai, Sayans, Transbaikalia, Stanovoi Range, eastern Yakutia, Magadan Province, Chukotka, Wrangel Is., Okhotia; north-eastern Kazakhstan (Altai); northern Mongolia (Chövsgöl aimak) (Map 61); North America: USA: Northern Alaska; Canada: Northern Yukon.

*A. alpina sibirica* (O. BANG-HAAS, 1927); Horae Macrolep. 1: 70, t. 9, f. 2 (*Hyphoraia alpina sibirica*). Type locality: "Altai mer. or.: Tschuja Mts., 6000-8000 Fuß" [Russia: Altai Republic]. Asian Russia: South Siberian mountains (Altai, Sayans).

*A. alpina johanseni* (O. BANG-HAAS, 1927); Horae Macrolep. 1: 70 (*Hyphoraia alpina johanseni*). Type locality: "Nord Alaska: Collison point ... im Yukon Territorium (Herschel Insel), nördliches Eismeer" [USA: Alaska; Canada: Yukon]. North-eastern Russia: Wrangel Is.; North America: USA: North Alaska; Canada: northern Yukon.

*A. alpina severa* SALDAITIS & IVINSKIS, 2004; Atalanta 35 (1/2): 99-100, figs 8, col. plate 6, fig. 1-3. Type locality: "Chita reg. (Russia, Siberia), Kodar Mts., Leprindo Lake, ..., h-1800 m". Asian Russia: north part of Chita province, eastern Yakutia.

*Acerbia kolpakofskii* (ALPHERAKY, 1882); Horae Soc. Ent. Ross. 17: 26-28, t. 1, fig. 31 (*Callimorpha Kolpakofskii*). Type locality: "près du Kounguesse (4000)" [China: Xinjiang]. China: Xinjiang (East Tien Shan at its fusing with Borohoro Shan) (Map 62).

*Acerbia seitzii*-specific complex (the species complex was revised by SALDAITIS, IVINSKIS & WITT, 2003, 2004)

*Acerbia cornuta* SALDAITIS, IVINSKIS & WITT, 2004; *Atalanta* **35** (3/4): 416-419, figs. 2-3, colour plate 22, figs. 4-6. Type locality: "UDSSR [former Soviet Union, Uzbekistan-Tadzhikistan border], Turkestan [Turkestan Mts.], Kum-Belj-Pass, 2500 m".

Central Asia: Uzbekistan/Tadzhikistan: Turkestan Range (Map 63).

*Acerbia churkini* SALDAITIS, IVINSKIS & WITT, 2003; *Helios* **4**: 295-297, fig. 3-6, pl. 11, fig. 1-3. Type locality: "UdSSR, Kirgizia sept. [Kirgizstan], Tian-Shan, [Chatkal Mts.], Ala-Buka, 40 km N Namangan, 2100-2500 m" [Kyrgyzstan].

Central Asia: Uzbekistan/Kyrgyzstan: West Tien Shan: Talas and Chatkal Ranges, including Mt. Chingan near Tashkent (Map 63).

*Acerbia khumbeli* (O. BANG-HAAS, 1927) **stat. nov.**; *Horae Macrolep.* **1**: 70, t. 9, fig. 4 (*Hyphoraia seitzii khumbeli*). Type locality: "Thianchan centr. sept.: Khum Bel bei Alma-Ata (früher Wjernyi genannt) 3080 m" [Kazakhstan: Transili Range]. (Map 63)

*Acerbia seitzii* (A. BANG-HAAS, 1910); *Dt. Ent. Z. Iris* **24**: 50, t. 3, f. 17 (*Arctia*) Type locality: "Issyk-kul-Gebiete" [Kyrgyzstan].

= *Arctia strandi* NIEPELT, 1911; *Int. Ent. Z.* **5** (38): 274-275. Type locality: "Thian-schan Gebirge, Turkestan" [Kyrgyzstan?].

= *Phragmatobia niepeltiana* Strand, 1919, *Lep. Catal.* **22**: 416. Replacement name for *strandii* NIEPELT, 1911 (attributed to the genus *Phragmatobia*). Central Asia: Tien Shan: Kyrgyzstan (Kyrgyz Range, Kungei Alatau Range, Naryn Range, Kara-Katty range, Fergana Range) (Map 63).

*A. seitzii micropuncta* SALDAITIS, IVINSKIS & WITT, 2004; *Atalanta* **35** (3/4): 419-321, figs. 4-5, colour plate 23, figs. 1-9. Type locality: "Kirghizia centr. [Kirgizia, Inner Tian-Shan]. Kara-Dzhorgo Mts., Dolon-pass" [Kyrgyzstan].

Central Asia: Kyrgyzstan: Inner Tien Shan (Kara-Dzhorgo Range: Dolon Pass, Fergana Range, Lake Karasu).

### Micrarctiini

Type genus: *Micrarctia* SEITZ, 1910

*Divarctia* DUBATOLOV, 1990a; Редкие гельминты, клещи и насекомые [Rare helminths, mites and helminths]. Novosibirsk: 84-85.

Type species: *Ocnogyna diva* STAUDINGER, 1887, by original designation.

*Divarctia diva* (STAUDINGER, 1887); *Stettin. Ent. Z.* **48** (1-3): 84-85 (*Ocnogyna Diva*). Type locality: "Provinz Samarkand" [Uzbekistan].

= *Arctia haberhaueri* ALPHERAKY, 1888; *Stettin. Ent. Z.* **49**: 67. Type locality: "Sarafschantale" [Uzbekistan].

Central Asia: West Tien Shan (Chatkal Range, Karzhantau Range, Chimkent vicinity, Fergana Range); Alai-Pamirs: Zerafshan Range, Turkestan range, Hissar Range, Peter I Range, Hozratishoh Range (Map 64).

*Ebertarctia* DUBATOLOV, 2004; *Atalanta* **35** (1/2): 78-80.

Type species: *Ocnogyna nordstroemi* BRANDT, 1947, by original designation (the genus was revised by EBERT, 1974).

*Ebertarctia afghanicola* (EBERT, 1974); *Beitr. naturk. Forsch. Südwdt.* **33**: 173-174, Abb. 5-7 (p.172) (*Ocnogyna*). Type locality: "Ost-Afghanistan, Salang-Paß Nordseite (Khinjan), 2100 m". Afghanistan: northern slope of Salang Pass, Paghman, Koh-i-Baba (northern slope), Bamian, Safed-Koh (southern slope), Andjuman, Dash-i-Navar NW from Gazni (Map 65).

*Ebertarctia nordstroemi* (BRANDT, 1947); *Ent. Tidskr.* **68**: 90, 1 Foto (*Ocnogyna Nordstroemi*). Type locality: "Iran, Khorassan, Kouh i Binaloud (Meched), 3300 m". North-eastern Iran (Khorassan: Kouh-i-Binaloud Range) (Map 65).

*Ebertarctia solitaria* (EBERT, 1974); *Beitr. naturk. Forsch. Südwdt.* **33**: 174-175, Abb. 8-10 (*Ocnogyna*). Type locality: "Zentral-Afghanistan (Hazaradjat), Deh Zangi, ca. 2500 m". Afghanistan: Hazaradjat (Koh-i-Baba), southern slope of Salang Pass (Map 65).

*Tancrea* PÜNGELER, 1898; *Soc. Ent.* **13** (8): 57.

Type species: *Tancrea pardalina* PÜNGELER, 1898, by monotypy.

*Tancrea pardalina* PÜNGELER, 1898; *Soc. Ent.* **13** (8): 57. Type locality: "Ili flumen" [Kazakhstan or China: Xinjiang].

Central Asia: deserts along river Ili (within Kazakhstan and Chinese Xinjiang); river Kungess (Chinese Xinjiang); Karakum desert (Turkmenistan) (Map 66).

*Centrarctia* DUBATOLOV, 1990; Членистоногие и гельминты [Arthropods and helminths]. Novosibirsk: 157.

Type species: *Arctia mongolica* ALPHERAKY, 1888, by original designation (the genus is well separated from *Palearctia* FERG. by the presence of a spine on the foretibia apex).

*Centrarctia mongolica* (ALPHERAKY, 1888); *Stettin. Ent. Z.* **49**: 67 (*Arctia*). Type locality: „Dschungor“, or headquarters of Dzhungor (Dzhungar), the prince of Ordos nomads, nearly 180 km SE of Baotou (Nei Mongol, China), at 55 „versts“ [i. e. nearly 59 km] from the Huang He River (DUBATOLOV, 1996a).

= *Arctia serarum* GRUM-GRSHIMAILO, [1900] 1899; Ежегодник Зоологического музея Императорской академии наук [Ann. Mus. Zool. Imp. Acad. Sci. St.-Petersb.] **4**: 462-463. Type locality: "in montibus Mongoliae meridionalis" [the Huang He valley and the Yin Shan] (DUBATOLOV, 1996a).

= *Arctia serum* GRUM-GRSHIMAILO, 1902, Ежегодник Зоологического музея Императорской академии наук [Ann. Mus. Zool. Imp. Acad. Sci. St.-Petersb.] **7**: 204. Replace name for *Arctia serarum* GRUM-GRSHIMAILO, 1899.

Russia: southern Tuva (Ubsu Nur hollow); Mongolia: Uvs, Chovd, Gov'-Altaj, Bajanchongor, Övörchangaj, Ömnogov', Dornogov' aimaks; China: southern regions of Nei Mongol (Map 67).

*Sibirarctia* DUBATOLOV, 1987, Насекомые, клещи и гельминты [Insects, mites and helminths]. Novosibirsk: 36-40.

Type species: *Arctia kindermanni* STAUDINGER, 1867, by original designation.

*Sibirarctia kindermanni* (STAUDINGER, 1867); *Stettin. Ent. Z.* **28** (1-3): 102-104. (*Arctia Kindermanni*). Type locality: "im Ural, wahrscheinlich im Orenburg'schen Gouvernement". This region might be a mistake of labelling. The species was described from KINDERMANN'S specimen in GRUNER'S collection. KINDERMANN travelled from South Ural via West Siberia plain to Altai Mts.

Modern specimens have been collected not more westerly than in Omsk Province in West Siberia.

Russia: South Ural (locality might be false), south regions of West Siberia (Omsk, Novosibirsk and Altai-Barnaul Provinces), South Siberian mountains (Altai, Khakasia, south part of Krasnoyarsk Province, Tuva, south part of Irkutsk Province, Transbaikalia), Middle Amur (Amur Province and Jewish Autonomous Region), southern Primorye; Mongolia; China (Gansu, Qinghai, Shanxi, Heilongjiang, Liaonin). The nominotypical subspecies is distributed in West Siberia east to Enisei River (Map 68).

*S. kindermanni albovittata* (Rothschild, 1910); Novit. Zool. **17**: 83, 18: t. 14, fig. 7 (*Ocnogyna pretiosa*). Type locality: “Kuku Nor, Thibet” [China: Qinghai]. China: Gansu, Qinghai and probably Shaanxi to Shanxi.

*S. kindermanni pomona* (STAUDINGER, 1897); Dt. Ent. Z. Iris **10**: 326-327, t. 9, f. 23 (*Arctia Kindermanni*). Type locality: “Apfelgebirges” [Kiachta ... Flussthal des Tschikoi] [Russia: Buryatia].

= *Micrarctia kindermanni rosei* O. BANG-HAAS, 1927; Horae Macrolep. **1**: 65, t. 8, f. 40. Type locality: “Transbaikal centr.: Tschita” [Russia: Chita Province]. Russia: Baikal Region and Transbaikalia; Mongolia.

*S. kindermanni pretiosa* (STAUDINGER, 1887); Mém. lépi. **3**: 192-193, t. 11, f. 4 (*Arctia Pretiosa*). Type locality: “Raddefka” [Russia: Jewish Autonomous Province].

= *Arctia latreillei* var. *chinensis* GRUM-GRSHIMAILO, [1900] 1899; Ann. Mus. Zool. Imp. Acad. Sci. St.-Petersb. **4**: 462-463. Type locality: “in montibus Chingan haud procul ab Tung-tsa-in-tseu, statione legationis, quae christianae doctrinae apud Chinae gentem propagandae missa est, in valle So-lou-keou (42°, 26'), ... абсолютная высота долины р[е]чки Со-лю-гоу у миссионерской станции Тунь-цзя-инь-цзы (42°, 26' с[е]в. шир.) не превышает 4000 фут., а окрестных горь 5000-6000 фут” [China: Liaonin].

= *Micrarctia kindermanni ussuriensis* O. BANG-HAAS, 1927; Horae Macrolep. **1**: 65, t. 8, f. 42. Type locality: “Ussuri” [Russia, Primorye]. Russia: Middle Amur basin (Amur province, Jewish Autonomous Region), Primorye; China: Dunbei (Heilongjiang, Liaonin).

*Sibirarctia buraetica* (O. BANG-HAAS, 1927); Horae Macrolep. **1**: 64, t. 8, f. 35, 36 (*Micrarctia*). Type locality: “Tannuola mont.: Schawyr, Juli 2500 m; Sajan mont., Chulugaisha, Mondy, Juli 3100 m” [Russia: Tuva or Mongolia: Chövsgöl aimak].

= *Micrarctia buraetica ehvesi* O. BANG-HAAS, 1927; Horae Macrolep. **1**: 64, t. 8, f. 38. Type locality: “Altai or. mer.: Ongodai” [Russia: Altai Republic: Ongudai]. Russia: South Siberian mountains (Altai, Tuva, East Sayan, Baikal, Transbaikalia), Central and Yakutia, mountains of eastern Yakutia; northern and central Mongolia (Map 69).

*S. buraetica chajataensis* DUBATOLOV, 1996; Neue Ent. Nachr. **36**: 58, 71, Fig. 2j (not 2i!). Type locality: “E. Yakutia, 180 km ENE of the Khandyga settlement, the upper course of the East Khandyga River, near the mouth of the stream Kyurbelyakh” [Russia]. Russia: Mountains of eastern Yakutia.

*S. buraetica validus* (O. BANG-HAAS, 1927); Horae Macrolep. **1**: 64, t. 8, f. 37 (*Micrarctia buraetica*). Type locality: “Sibir. or.: Transbaikal” [Russia: Buryatia]. Russia: southern Buryatia (south part of Selenga valley); probably also neighbouring Mongolia.

*Micrarctia* SEITZ, 1910; Gross-Schmett. Erde **2**: 83.

Type species *Nyctemera trigona* LEECH, 1899, by subsequent designation by HAMPSON, 1920, Cat. Lepid. Phalaenae Br. Mus. (Suppl.) **2**: 342 (cited as *Micrarctia trigona*).

*Micrarctia trigona* (LEECH, 1899); Trans. Ent. Soc. London **1899**: 170 (*Nyctemera*). Type locality: “from the high plateau to the north of Ta-chien-lu” [China: Sichuan].

= *Nyctemera trigona nigra* LEECH, 1899, Trans. Ent. Soc. London **1899**: 170 (*Nyctemera*). Type locality: “from the high plateau to the north of Ta-chien-lu” [China: Sichuan]. China: Sichuan, Qinghai (Map 70).

*Hyperborea* GRUM-GRSHIMAILO, [1900] 1899, Ezhegod. zool. Muz. Imp. Acad. Nauk **4**: 464.

Type species: *Hyperborea czekanowskii* GRUM-GRSHIMAILO, [1900] 1899, by monotypy.

*Hyperborea czekanowskii* GRUM-GRSHIMAILO, [1900] 1899; Ежегодник Зоологического музея Императорской академии наук [Ezhegod. zool. Muz. Imp. Acad. Nauk] **4**: 464-465. Type locality: “In valle fluminis Tunguska inferioris, ... et in valle fl. Olenek inter fl. Tomba infer. et fl. Alakit, ..., et in valle fl. Adytscha, affluxus fl. Janae ... съ Нижней Тунгуски ... изъ долины р. Яны” [valley of Lower Tunguska river, Evenkia, Russia]. Lectotype designated by DUBATOLOV (1996a: 351).

Asian Russia: Evenkia (Lower Tunguska river), east part of South Siberian mountains (Baikal-Stanovoi highland), northern and eastern Yakutia (Olenek river, Verkhoyan and Oimyakon Regions), Magadan Province (Kolyma river), Chukotka, Wrangel Is., Kamchatka (Map 71); North America: USA, Alaska.

*Palearctia* FERGUSON, 1984, Proc. Ent. Soc. Wash. **82** (2): 454-456.

Type species: *Arctia glaphyra mannii* ALPHERAKY, 1881, by original designation (the genus was revised by DUBATOLOV, 1996c and SALDAITIS & IVINSKIS, 2002).

*Palearctia glaphyra* species group

*Palearctia glaphyra* (EVERSMANN, 1843); Bull. Soc. Imp. Nat. Moscou **16** (3): 544-545, t. 10, f. 4 (*Euprepia*). Type locality: “[Habitat in promontoriis Altaicus australibus]” [East Kazakhstan: “in front of South Altai mountains”].

Eastern Kazakhstan: mountains near Lake Zaisan (?), Dzhungarian Alatau Mts., Transil, Ketman and Kungei Alatau Mts.; Kyrgyzstan: Kyrgyz Alatau Mts., Kurgei Alatau Mts. (eastern part only), Terskei Alatau Mts., Inner and Central Tien Shan west to Moldotoo Mts. and Naryntoo Mts.; China: Xinjiang: East Tien Shan, Kuruktag (Kualukeshan) Mts. (Maps 72-73). Records from Tibet (Fang, 2000) looks to me a mistake, as well as from Hotan in Xinjiang. The nominotypical subspecies is distributed in the Dzhungarian Alatau and in the neighbouring mountains.

*P. glaphyra aksuensis* (O. BANG-HAAS, 1927); Horae Macrolep. **1**: 63, t. 8, f. 26, 27 (*Micrarctia glaphyra*). Type locality: “Thianchan central und mer. or.: „Gebirge nördlich von Aksu“, Kutscha, Juldus mer.; Utsch Kasansk, Juli; Korla, Kuruk Tag” [China: Xinjiang].

- = *Micrarctia glaphyra naryna* O. BANG-HAAS, 1927; Horae Macrolep. 1: 63, t. 8, f. 28. Type locality: “Thianchan centr. mer., Gebirge in der Umgebung der Stadt Narynsk, südlich des Issykkul, Karagaitau mont.” [Kyrgyzstan].  
Kyrgyzstan: Inner and Central Tien Shan north to Terskei Alatau Mts., west to Moldotoo Mts.; China: Xinjiang: southern slopes of Tien Shan from Aksu to Korla and Kuruktag.
- P. glaphyra dublitzkyi* (O. BANG-HAAS, 1927); Horae Macrolep. 1: 63, t. 8, f. 29, 30 (*Micrarctia glaphyra*). Type locality: “Thianchan centr. sept.: Berg Khoum Bel beim Ort Alma Ata, Juli, 3000 m” [Kazakhstan: Transili Mts].  
South-eastern Kazakhstan: Transili Mts.
- P. glaphyra manni* (STAUDINGER, 1881); Stettin. Ent. Z. 42 (10-12): 402 (*Arctia glaphyra manni*). Type locality: “Tianschan” [China: Xinjiang].  
= *Arctia glaphyra mannii* ALPHERAKY, 1882; Horae Soc. Ent. Ross. 17: 29, t. 1, f. 32. Type locality: “fut trouvée pour la première fois près de l'Archane à 6500' d'altitude” [China: Xinjiang]. Lectotype designated by DUBATOLOV (1996a: 347). South-eastern Kazakhstan: Ketmen Mts.; China: Xinjiang: East Tien Shan around Kuldzha (=Gulja, =Yinin): valleys of rivers Künes He and Yulduz.
- Palearctia golbecki* DUBATOLOV, 1996; Neue Ent. Nachr. 36: 19, Fig. 10a, b, Fig. 3g (genitalia). Type locality: “Prov. Syr-Darja, Jug. Alexandrinum, Loc. Tshai-Sandyk” [Kyrgyzstan]. Kyrgyzstan: Kyrgyz Alatau Mts. (Map 74).
- Palearctia gratiosa* (GRUM-GRSHIMAILO, 1890); Mém. lép. 4: 533-535, t. 19, f. 5 (*Arctia Glaphyra* Var. *Gratiosa*). Type locality: “versants septentrionaux de l'Alaï (Artcha Basch - 9,500 p.)” [Kyrgyzstan]. Eastern Central Asian mountains: West Tien Shan, Terskei Alatau; Zerafshan, Hissar, Alai, Transalai; Pamir, Karakorum, Kashmir. Locality Sichuan looks to be a label error. The nominotypical subspecies is distributed in Alai, Peter I Range and, probably, north-western Pamir (Maps 75-76).
- P. gratiosa caroli* DUBATOLOV, 1996; Neue Ent. Nachr. 36: 24, Fig. 9a, c, 4f (genitalia). Type locality: “UdSSR-Kirghisia, Thian-Shan Mts., Alaarcha valley, 2200-2700 m” [Kyrgyzstan]. Kyrgyzstan: Kyrgyz and Chatkal Mts.
- P. gratiosa flavoala* DUBATOLOV, 1996; Neue Ent. Nachr. 36: 25, Fig. 9e-g, 4j (genitalia). Type locality: “, ‘Samarkand’ [Magiyan river, northern slope of the Hissar Range, 30 km SE of Pendzhikent]” [Tadzhikistan].  
Uzbekistan and Tadzhikistan: Zerafshan, Turkestan and Hissar Mts., Fany Mts. in Tadzhikistan.
- P. gratiosa kashmirica* FERGUSON, 1985; Entomography, Ann. Rev. Biosyst. 3: 222-223, f. 44, 101 102 (*Palearctia kashmirica*). Type locality: “Baltistan ... [Pakistan: Azad Kashmir]”.  
= *Micrarctia glaphyra* ab. *nebulosa* REICH, 1932 syn. nov.; Int. Ent. Z. 26 (22): 234, t. 2, f. 4. Type locality: “Rohtang Paß, Kangra India sept., 4053 m”. Pakistan: Azad Kashmir: Baltistan; India: Himachal Pradesh: eastern Pir Pandjal Range; probably, Kashmir also.
- P. gratiosa lochmatteri* (REICH, 1933); Int. Ent. Z. 27 (28): 312 (*Micrarctia lochmatteri*). Type locality: “Drittes Seitental des Shyok-Tals, 4800 m” [Pakistan: Azad Kashmir]. Pakistan, Azad Kashmir: Karakorum Mts. Probably neighbouring India also.  
Note: This might be a senior synonym of *P. rupicola kashmirica* FERGUSON.
- P. gratiosa postflavida* (HAMPSON, 1894); Moths Ind. 2: 18-19, f. 5; 1901: 238, f. 132 (*Ocnogyna postflavida*). Type locality: “Skoro-la, Kashmir” [Pakistan: Azad Kashmir]. Pakistan: Azad Kashmir: Skoro-la in Baltistan.
- P. gratiosa rupicola* (GRUM-GRSHIMAILO, 1890); Mém. lép. 4: 535-536, t. 19, f. 6 (*Arctia Rupicola*). Type locality: “au cours supérieur de l'Aram, dans les montes transalaiens, à une altitude d'environ 10,000 p. Localité: une pente abrupte, semée de monceaux de roches” [Kyrgyzstan].  
= *Arctia glauca* STAUDINGER, 1891 [1892b]; Deut. Ent. Z. Iris 4: 251-253, t. 3, fig. 5. Type locality: “Transalai-Gebiet (Centralasien)” [Kyrgyzstan]. Pamir Mts.: Kyrgyzstan: Transalai Mts.; Tadzhikistan: East Pamir west to the eastern part of the Shugnan Range.
- P. gratiosa saregica* DUBATOLOV, 2003; Atalanta 34 (3/4): 440-441, colour pl. 24b, fig. 1-2. Type locality: “Tadzhikistan, the Pamirs, Rushan District, the Rushan Range near the Lake Sarez, 5 km N of Irkht meteorological station (towards the Usoi Goaf), on a dark scree”. Tadzhikistan: Central Pamir.
- P. gratiosa sarycola* DE FREINA, 1997; Linn. belg. 16 (1): 55-56 (*Palearctia sarycola*). Type locality: “Chine, 4100-4700 m d'alt.; Mts Sarykol, 30 km à l'est du Mt Mustagata” [China: Xinjiang]. China: Xinjiang: Sarykol Range in East Pamir.
- P. gratiosa sergei* DUBATOLOV, 1996; Neue Entl. Nachr. 36: 24, Fig. 8h, 4g (genitalia). Type locality: “SE of the Terskei Ala-Tau, 6 km upstream of the Molo gorge, 12 km of the Kuilyu river (Sary-Dzhaz tributary)” [Kyrgyzstan].  
Kyrgyzstan: south-eastern slope of Terskei Alatau Mts.
- Palearctia rasa* SALDAITIS, IVINSKIS & CHURKIN, 2000; Atalanta 31 (3/4): 506-509, pl. 21b, f. 1-7, gen. fig. 2-4. Type locality: “China, Xin-Jiang, Karlik Mount., 3300 m, 85 km North-East of Hami city”. China: Xinjiang: Karlik Mts. (Map 77).
- Palearctia wagneri* (PÜNGELER, 1918); Zeit. Östr. Ent. Ver. 3: 46, textfig. (*Arctia wagneri*). Type locality: “Sary-Djas” [Kyrgyzstan].  
Kyrgyzstan: Central Tien Shan: mountains along the Sary-Dzhaz river (Map 78).

#### *Palearctia mira* species group

- Palearctia mira* DUBATOLOV & TSHISTJAKOV, 1989; Зоологический журнал [Zool. Zhurnal] 68 (11): 141, f. 1a, b, 2. Type locality: “Алтай, Курайский хребет у Акташа, верховья р. Ярлы-Яры, 2700 м” [Russia: Altai, Kurai range near Aktash, river Yarly-Yary headwater, 2700 m a.s.l.]. Asian Russia: Altai: Kurai range (Map 79).

#### *Palearctia erschoffii* species group

- Palearctia erschoffii* (ALPHERAKY, 1882); Horae Soc. Ent. Ross. 17: 29-31, t. 1, f. 33 (*Arctia*). Type locality: “sur le Jouldousse à une élévation de 7 à 9000' ...” [China: Xinjiang]. Lectotype designated by DUBATOLOV (1996a: 346).  
= *Micrarctia kindermanni korlana* O. BANG-HAAS, 1927, Horae Macrolep. 1: 67, t. 8, fig. 47. Type locality: “Thianchan mer. or.:

Korla (Kuruktau) 1000 m” [China, Xinjiang]. East central Asia mountains: West Tien Shan (including Chatkal Range), Kyrgyz Alatau Mts., Kungei Alatau Mts., Terskei Alatau Mts., Inner and Central Tien Shan; Kazakhstan: Transili Mts., Kungei Alatau Mts.; China: Xinjiang: East Tien Shan, east to Kuruk-tag. The nominotypical subspecies is distributed in the most southeastern regions of Kazakhstan and the Chinese Xinjiang (Map 80).

*P. erschoffii issyka* (STAUDINGER, 1889); Stettin. Ent. Z. **50** (1-3): 25 (*Arctia erschoffii issyka*). Type locality: “in den Gebirgen beim Issyk-Kul” [Issyk-Kul mer.-occ.] (O. BANG-HAAS, 1927). Lectotype designated by DUBATOLOV (1996a: 28). Taking into account the view of O. BANG-HAAS (1927), the type locality should be situated in West Tien Shan.

West Tien Shan (including Chatkal Range), probably within Uzbekistan and Kyrgyzstan. Note: Taking into account the view by PLUSTSCH & DOLGIN (2000) on the differences between different *P. erschoffii* ALPH. subspecies of a minor level, this one should be restored to a subspecific level. Its most remarkable character is large dark spots along the external margin on the hindwings.

*P. erschoffii sarydzhasica* PLUSTSCH & DOLIN, 2000; Lambillionea **100** (3): 436, pl., fig. 7-8 (*Palearctia erschoffii sarydzhasica*). Type locality: “Kyrgyzstan, Issyk-Kul Gebiet, Sarydzhas, N Abhänge Kaindy Gebirge, Utschtschat, Taschkoroo, 2800 m”. Kyrgyzstan: Central Tien Shan along the Sary-Dzhaz river.

*P. erschoffii selmonsi* (BÖTTCHER, 1905); Ent. Z. **19** (12): 62, fig. 18, 19, 20, 21 (*Arctia [Arctia] erschoffii v. selmonsi*). Type locality: “Naryn” [Kyrgyzstan]. Kyrgyzstan: Inner Tien Shan: Naryntoo and At-Bashi Ranges.

*Palearctia ferghana* (STAUDINGER, 1887a); Stettin. Ent. Z. **48** (1-3): 82-84 (*Arctia Erschoffi* var. *Ferghana*). Type locality: “Margelan, ... Alai-Gebirge” [Uzbekistan or Kyrgyzstan]. Uzbekistan: Alai Range; Kyrgyzstan: Alai, Talass and Suussamyr Ranges (Map 81). The nominotypical subspecies is distributed in Alai Range.

*P. ferghana schottlaenderi* (Strand, 1912); Int. Ent. Z. Guben **6** (1): 2 (*Arctia Schottlaendri*). Type locality: “Thianschangebirge”. Tien Shan without exact locality.

*P. ferghana sussamyra* DUBATOLOV, 1996; Neue Ent. Nachr. **36**: 30, Fig. 10k, 6g (genitalia). Type locality: “Kirghizskaya SSR, Suussamyr Range, the Ala-bel pass, 3300 m” [Kyrgyzstan]. Kyrgyzstan: Talass and Suussamyr Ranges.

*Palearctia gracilis* DUBATOLOV, 1996; Neue Ent. Nachr. **36**: 31-32, Fig. 10g-h, 6j (genitalia). Type locality: “Fergana S., Jug. Tshatkal, fontes flum. Ning-Dzilki” [Kyrgyzstan].

=*Palearctia erschoffii miranda* PLUSTSCH & DOLIN, 2000; Lambillionea **100** (3): 436-437, pl., fig. 10-12. Type locality: “Kyrgyzstan, Tian-Schan Occ., Mts. Talasskij-Alatau, fluv. Kara-Buura, alt. 2500-2600 m”. West Tien Shan within Uzbekistan and Kyrgyzstan: Chatkal, Chandalash and Talas Ranges, mountains around Suussamyr valley (Map 82).

*P. gracilis arcana* PLUSTSCH & DOLIN, 2000; Lambillionea **100** (3): 436, pl., fig. 9 (*Palearctia erschoffii arcana*). Type locality: “Kyrgyzstan, Schneidenpunkt der Talsskij und Kyrgyzskij Gebirgskamm, 8 km W Tjuz-Aschu Pass, 3100 m”. Kyrgyzstan: mountains around Suussamyr valley.

*Palearctia marxi* (O. BANG-HAAS, 1927); Horae Macrolep. **1**: 68, t. 8, fig. 51 (*Micrarctia marxi*). Type locality: “Himalaya mont.: „Bashahr Staten, Poo nordöstlich Simla” [India: Himachal Pradesh] (Map 83).

*Palearctia mustangbhoti* (DANIEL, 1961); Veröff. Zool. Staatssaml. München **6** (4): 155, t. 11, f. 8, T. 15, fig. 8 (*Micrarctia mustangbhoti*). Type locality: “Mustangbhot, Tange-Khola 5000 m”. Northern Nepal (Map 83).

*Palearctia turkestanana* DUBATOLOV, 1996; Neue Ent. Nachr. **36**: 30, Fig. 7h, 6h (genitalia) (*Palearctia ferghana turkestanana*). Type locality: “Tadzhikistan, Turkestan mountain range, the Sakhristan pass”. Uzbekistan and Tadzhikistan: Turkestan Mts. (Map 84). Note: The specific status was proved by SALDAITIS & IVINSKIS, 2002.

*Palearctia variabilis* (DANIEL, 1966); Mitt. Münch. Ent. Ges. **56** (7): 161-163, t. 3, f. 4-16 (*Micrarctia variabilis*). Type locality: “Afghanistan, Anjuman-paß, 3900-4300 m”. Afghanistan: Anjuman pass (Map 85).

#### *Palearctia hauensteini* species group

*Palearctia ammosovi* DUBATOLOV & GURKO, 2002; Russian Ent. J. **11** (2): 229-231, Fig. a-d, A-E. Type locality: “China, Tibet, North-East of Gyangzê, Yung pass, 5300 m”. China: Tibet (Map 86). Note: there is a small probability that this species is a synonym of *P. hauensteini* KAUTT; but this is possible only if the spinulose field shape on the aedeagus top was not figured correctly in the *P. hauensteini* KAUTT original description. I think that the KAUTT’s description is correct.

*Palearctia hauensteini* KAUTT, 1996; Nachr. Ent Verein Apollo **17** (1): 42-49, Abb. 1-6. Type locality: “China, Tibet, Mt.-Everest-Region, Pang-La, 5000-5200 m”.

=*Palearctia glaphyra altotibetana* DE FREINA, 1997; Linn. Belg. **16** (1): 55, pl. 1, fig. 15, pl. 2, fig. 27. Type locality: “Chine, Tibet, Pang-La, 5200 m d’alt.; env. 100 km au N. Mont Everest”. China: Tibet (Map 86).

*Holoarctia* FERGUSON, 1984, Proc. Ent. Soc. Wash. **82** (2): 452-454.

Type species: *Nemeophila cervini* FALLOU, 1864, by original designation.

*Holoarctia cervini* (FALLOU, 1864); Ann. Soc. Ent. Fr. (Ser. 4) **4**: 23-26, pl. 1, fig. 2, 2a, 2b, pl. 10, f. 1-3 (*Nemeophila*). Type locality: “les montagnes du Haut-Valais, ... sur le Gornergrat, entre Zermatt, le mont Rose et le mont Cervin, par plus de 3,000 mètres d’altitude” [Switzerland].

=*Arctia Cervini* var. *Hnateckii* FREY, 1872; Mitt. Schweiz. Ent. Ges. **3**: 479-481. Type locality: “Wallis”, Augstbordpass, Kanton Wallis, Switzerland (Gerber, 1979).

=*Orodemnius cervini rougemonti* O. BANG-HAAS, 1927; Horae Macrolep. **1**: 60, t. 8, fig. 12-13. Type locality: “Valesia, Augstbordpaß”

[Switzerland].

- =*Orodemnias cervini scrieniensis* BERTHET, 1948; Rev. France Lép. **11** (18/19): 369-371. Type locality: "Hautes Alpes, Glacier Blanc (Glacier de l'Encoula), 3300 mètres" [France].  
 =[*Orodemnias cervini*] *Steiei* RÖBER, 1930; Ent. Z. **44** (1): 21. Type locality: "Oetz=Tale in Nord=Tiro in Höhe von 2900 m" [Austria].  
 =*Orodemnias cervini teriolensis* BURMANN, 1975; Ber. nat.-med. Ver. Innsbruck **62**: 124-129, Foto 13 (p. 127). Type locality: "Teriol sept. Niedertal, Ötztaler-Alpen, 3000 m" [Austria].  
 =*Orodemnias cervini splendida* GERBER, 1979; Mitt. Ent. Ges. Basel **29** (2): 36-37, fig. (p. 42). Type locality: "Südabhang Sennkogel, Oetztal oberhalb Vent, Oesterreich, 3100 m ü. M." [Austria]. Europe: Alps: France (Dauphine Mts.: Glacier d'Encoule, Pic Coolidge); Switzerland (Graubünden, Wallis); Oetztal Alps within Austria and Italy.

*Holoarctia dubatolovi* SALDAITIS & IVINSKIS, 2005; Acta zool. Lituanica **15** (1): 64-66, fig. 1-4. Type locality: "Russia, SW Altai, Katun' River (upper stream), Belukha Mts., Chernyi [Black] glacier, 2,000 m".  
 Asian Russia: South-eastern Altai, south-western Tuva (Map 87).

*Holoarctia marinae* DUBATOLOV, 1985 [February]; Членистоногие Сибири и Дальнего Востока [Arthropods of Siberia and Far East]. Novosibirsk: 152, fig. 2v, 3b; 1985c (December), Ann. Ent. Fenn. **51** (2): 57 (the holotype below, nec above!). Type locality: "USSR, Altai, Ongudai" [Russia]. Asian Russia: central and south-eastern Altai, southern Tuva (Map 88).

*Holoarctia puengeleri* (O. BANG-HAAS, 1927); Horae Macrolep. **1**: 60, t. 8, f. 14 (*Orodemnias puengeleri*). Type locality: "Sajan mont.: ... Obo Sarym ... Munko Sardyk, 2500 m" [Russia: Buryatia or Mongolia: Chövsgöl aimak].

Europe: polar Norway; polar Sweden (Torne Lappmark), European Russia: Kola Peninsula (Khibiny Mts.), South Ural (Great and Small Iremel Mts.); north-western Mongolia; Asian Russia: Altai, East Sayan, Khamar-Daban, Stanovoi Range, mountains of eastern Yakutia (Verkhoyansk Range), Chukotka, Okhotia, Kamchatka (Ichinskaya Sopka Mt.); Korea (KŎDA, 1988, as „*Hyperborea czezanowski*“) (Map 89); North America: USA: Alaska; Canada: Yukon. The nominotypical subspecies is distributed in East Sayan, Khamar-Daban and Stanovoi Range.

*H. puengeleri fridolini* (TORSTENIUS, 1971); Ent. Tidskr. **92** (3-4): 173-176, fig. (*Orodemnias cervini* ssp. *fridolini*). Type locality: "mountain Nissontjärro east of Abisko National Park, Torne lappmark, Sweden".

Europe: Polar Norway; Polar Sweden (Torne Lappmark), European Russia: Kola Peninsula (Khibiny Mts.).

*H. puengeleri iremelica* DUBATOLOV, 2007; Atalanta **38** (3/4): 352, col. plate 17, fig. 7-8. Type locality: "RUSSIA, Chelyabinsk Province, South Ural, Mt. Malyi Iremel". Russia: South Ural (Mt. Iremel).

*H. puengeleri perunovi* DUBATOLOV, 1990; Членистоногие и гельминты [Arthropods and helminths]. Novosibirsk: 152. Type locality: "Алтай, гора Табошак" [Russia: Altai: Taboshak Mt.]. Russia: Altai: Kurai Range; north-western Mongolia.

*H. puengeleri sibirica* DUBATOLOV, 2007; Atalanta **38** (3/4): 352, col. plate 17, fig. 9-10. Type locality: "RUSSIA, Sakha-Yakutia, Suntar-Khayata Range, the East Khandyga River upper flow, Km 232 of the road Khandyga-Magadan, the Baran'ya Mt.". Asian Russia: North-East Siberia: eastern Yakutia (Verkhoyansk range), Chukotka, Kamchatka; North America: USA: Alaska.

*Chelis* RAMBUR, 1866; Cat. syst. Lép. Andalousie (**2**): 256 (the genus was revised by DUBATOLOV, 1988).

Type species: *Bombyx maculosa* GERNING, 1780, by subsequent designation by KIRBY (1892), Syn. Cat. Lep. Het. **1**: 263.

=*Cletis* auct.

*Chelis caecilia* (KINDERMANN, 1853); Verh. zool.-bot. Ges. Wien **3**: 364 (*Arctia Maculosa* [*Arctia Caecilia*]). Type locality: "[in den Vorbergen des Altai zwischen Ustkamenogorsk und Ustbuchtarminsk am Irtysh]" [Kazakhstan].

*Arctia maculosa* var.? *Caecilia* KINDERM. in litt., STAUDINGER (1867); Stettin. Ent. Z. **28** (1-3): 105-106. Type locality: "Altai" [Kazakhstan].

=*Cletis maculosa insularia* KOZHANTSCHIKOV, 1924; Ежегодник Государственного музея имени Н. М. Мартъянова [Ezhgod. Gos. Muz. im. Martjanova] **2** (1): 69-71 "... на Тагарском острове [образуется протокой р. Енисей, на которой расположен г. Минусинск, и р. Енисеем]" "Tagarsky Insel bei Minussinsk" [Russia: Krasnoyarsk Province]. Lectotype designated by DUBATOLOV (1988: 90). Kazakhstan: Altai; Russia: South Ural, Altai, Khakasia, western Buryatia; Mongolia (Map 90).

*Chelis dahurica* (BOISDUVAL, 1834); Icones hist. Lep. **2**: 126, t. 60, f. 1 (*Chelonia*). Type locality: "Elle a été découverte en Sibérie par le professeur Gebler, qui cultive à Barnaoul toutes les branches de l'histoire naturelle avec un égal species" [Altai Mts.] (DUBATOLOV, 1988).

=*Arctia Gruneri* STAUDINGER, 1867; Stettin. Ent. Z. **28** (1-3): 104-105. Type locality: "bei Ust-Kamenogorsk im Altai" [Kazakhstan].

=*Arctia maculosa sojota* TSCHEPVERIKOV, 1904; Русское энтомологическое обозрение [Rus. Entomol. Obozr.] **4** (2-3): 79. Type locality: "... in terra Sojotorum ad fl. Irbek" [р. Эрбек, около 20 км 3 Кызыла, Тува] [river Erbek, about 20 km W from Kyzyl, Tuva, Russia] (DUBATOLOV, 1996a). Lectotype designated by DUBATOLOV (1996a: 353). Russia: South Ural, southern regions of West Siberian plain (Kurgan, Omsk, Novosibirsk and Altai-Barnaul provinces), South Siberian mountains (Altai, Khakasia, Tuva, Sayans, South part of Baikal Region, Transbaikalia); north-eastern Kazakhstan (Altai and Saur Mts.); northern and central Mongolia (Map 91). A locality from Pogranichnyi (Primorye, Russia) is not affirmed by modern data.

*Chelis ferghana* DUBATOLOV, 1988; Таксономия животных Сибири [Taxonomy of animals from Siberia]. Novosibirsk: 92-93, f. 1n (p.85), 2e (p.86-87). Type locality: "Окр. Намангана, р.Пандша-Ата" [Kyrgyzstan: river Padsha-Ata in Chatkal Mts., north from Namangan]. Kazakhstan: Talas Range; Uzbekistan: Chimgan Mt.; Kyrgyzstan: West Tien Shan west from Tolko-gul (Chatkal, Talas Ranges, Toktogul, Sary-Kamysh) (Map 92).

*Chelis maculosa* (GERNING, 1780); Frankf. Beitr. wiss. Z.: 862, t. 2, fig. 1-3 (*B.[ombyx] maculosa*). Type locality: [Frankfurt am Main, Germany].

=*[Phalaena] B.[ombyx] Maculosa* [DENIS & SCHIFFERMÜLLER], 1775, nomen nudum; Ank. syst. Werkes Schmett. Wienergegend: 54. Type locality: "Wienergegend" [Austria].

=*Arctia maculosa monacensis* OSTHELDER, 1933; Mitt. Münch. ent. Ges. Beilage **22**: 551-553. Type locality: "Umgebung Münchens"



[Germany]. West Europe: south and central parts; south part of East Europe; northern and central Kazakhstan; south part of West Siberian plain; China: Xinjiang. The nominotypical subspecies is distributed in Central and southern Germany, eastern Austria, Hungary, northern Balkans (Map 93).

*Ch. maculosa arragonensis* (STAUDINGER, 1894); Dt. Ent. Z. Iris 7: 256-257 (*Arctia maculosa arragonensis*). Type locality: "Albarracin (in Arragonien)" [Spain]. Europe: central Spain (Arragon).

*Ch. maculosa aumayri* HUBER & STENGEL, 1989; Atalanta 20 (1-4): 191-194, 195: Abb. 1-2. Type locality: "Hellas, Peloponnes, Provinz Achaia, Mt. Chelmos ... 1700 m" [Greece]. Europe: Greece (Peloponnes). Note: This might be a different species or a subspecies of *Ch. reticulata* CHR. ♂ genitalia studying is need to prove or deny this.

*Ch. maculosa centralhispanica* DANIEL, 1935; Mitt. Münch. Ent. Ges. 25: 48, t. 5, fig. 9-10. Type locality: "Centralhispanien, Sierra de Guadarrama, Cercedilla, 1500 m" [Spain].

= *Chelis maculosa serratica* AGENJO, 1937; Bol. Soc. Esp. Hist. Nat. 37: 54-55, t. 3, f. 13-16. Type locality: "de Cercedilla, Estación Alpina, 1.480 metros, Madrid" [Spain]. Europe: Central Spain (Castilia and Arragon) (DE FREINA & WITT, 1987). Notes: DE FREINA & WITT (1987) synonymized this subspecies with *C. m. arragonensis* STGR., but de TOULGOËT (1985) treated it as a good one. It is characterized by not so much reduced markings on the forewings.

*Ch. maculosa honesta* (TAUSCHER, 1806); Mem. Soc. Nat. Univ. Imp. Mosc. 1: 208-209, t. 13, f. 2 (*Bombyx Honesta*). Type locality: "Russia australiori" [southern part of European Russia].

= *Chelonia mannerheimii* DUPONCHEL, 1836; Hist. nat. Lep. France (Suppl.) 3: 49-50, t. 4, f. 2. Type locality: "comme ayant été prise dans les steppes des Kirguis" [south-eastern part of European Russia or Kazakhstan]. Europe: Ukraine; Russia: Lower Don, Lower Volga north to the Kama mouth, South Ural, southern regions of West Siberian plain; northern and central Kazakhstan. Note: the senior subspecies name was restored by DUBATOLOV (2003a) following SHELJUZHKO (1941) and several authors in 19<sup>th</sup> century.

*Ch. maculosa latina* (TURATI, 1909) stat. rev.; Nat. Sicil. 21 (1): 117-119, t. 4, f. 14-15 (*Arctia maculosa latina*). Type locality: "nel piano di Migliari nel gruppo del monte Autore, in Provincia di Roma" [Italy].

= *Chelis maculosa marsicana* DANNEHL, 1929; Mitt. Münch. Ent. Ges. 19 (5/9): 102. Type locality: "aus der Montagna Grande, 1000-1800 m, vom Montagna Genzana 2000 m" [Italy: Abruzzo]. Europe: central Italy. Note: DE FREINA & WITT (1987) considered it as a synonym of *C. m. stertzi* SCHULZ, but according to colour figures in the original description, it could easily be distinguished by a presence of double apical spot (not a dot!) on forewing upperside. Such spot is not presented in *C. m. stertzi* SCHULZ.

*Ch. maculosa slivnoensis* (REBEL, 1903); Ann. k.k. nat.-hist. Hofmus. Wien 18: (274)-275 (*Arctia Maculosa*) var. *Slivnoënsis*. Type locality: "Slivno" [Bulgaria]. Europe: Balkans: Greece (excluding Peloponnes), Macedonia-Scopje, Bulgaria, European Turkey.

*Ch. maculosa stertzi* (SCHULZ, 1902); Dt. Ent. Z. Iris 15: 328 (*Arctia maculosa stertzi*). Type locality: "in den Grajischen Alpen in einer Höhe von 1550 m ü. M." [Alpes Grees] [Italy: Valle d'Aosta/Piemonte or France: Savoie].

= *Chelis maculosa boursini* DANIEL, 1935; Mitt. Münch. Ent. Ges. 25: 47, t. 5, fig. 5-6. Type locality: "Dép. Seine et Oise, Saclas près Etampes ... Saclas bei Paris" [France].

= *Chelis maculosa nordiberica* AGENJO, 1937; Bol. Soc. Esp. Hist. Nat. 37: 53, t. 3, f. 7-10. Type locality: "Las Bordas, 900 metros, Valle de Arán, Lérida" [Spain].

= *Chelis maculosa arlanzona* AGENJO, 1937; Bol. Soc. Esp. Hist. Nat. 37: 54, t. 3, f. 5-6. Type locality: "Estepar, 810 metros, Burgos" [Spain]. Europe: northern and north-eastern Spain, Pyrenees, western and southern France, northern Italy, Croatia (Dalmatia). Note: DE TOULGOËT (1985) considered *boursini* DANIEL, *nordiberica* AGENJO, 1937 and *arlanzona* AGENJO, 1937 as good subspecies. However, following DE FREINA & WITT (1987), I could not find any noticeable distinguishing characters between them and *C. m. stertzi* SCHULZ.

*Chelis reticulata* (CHRISTOPH, 1887); Stettin. Ent. Z. 48: 163 (*Arctia Maculosa* var. *Reticulata*). Type locality: "Nuchur" (140 km WNW from Ashkhabad, Turkmenistan). Lectotype designated by DUBATOLOV (1988: 91). Russia: North Caucasus; Transcaucasia; Asia minor; Syria; northern Lebanon, northern Iran; Turkmenistan (Kopetdagh Mts.). The nominotypical subspecies is distributed in northern Iran and southern Turkmenistan (Kopetdagh Mts.) (Map 94).

*Ch. reticulata schwingenschussi* DANIEL, 1933; Dt. Ent. Z. Iris 47: 103-104 (*Chelis mannerheimi schwingenschussi*). Type locality: "[Umgebung des] Zed[ern-wäldchens oberhalb Becharré (ca. 1900 m)]" [Lebanon]. Near East of Asia: northern Lebanon; Syria.

*Ch. reticulata sultana* SCHWINGENSCHUSS, 1938; Ent. Rundsch. 55: 160-161 (*Chelis mannerheimi sultana*). Type locality: "[Akschehir] ... S.D. [Sultan Dagh]" [Turkey]. Asia minor.

*Ch. reticulata transcaucasica* DUBATOLOV, 1988; Таксономия животных Сибири [Taxonomy of animals from Siberia]. Novosibirsk: 92, f. 2д. Type locality: "Армения, Севанский р-н, Семеновка, 1500 м над ур. м." [Armenia, Lake Sevan Region, Semenovka]. Russia: North Caucasus; Transcaucasia.

*Chelis simplonica* (ANDERREGG, 1840); Gen. et Ind. Method.: 64 (*Chelonia Simplonica*). Type locality: "Valesia" [Switzerland].

= *Bomb.[y]x simplonia* FREYER, 1843/5; Neuere Beitr. zur Schmett. 5: 16-17, t. 392, f. 3-5. Type locality: [Simplon] [Switzerland]. Europe: Alps: Haute and Maritime Alps in France; Graubünden and Wallis in Switzerland.

*Chelis strigulosa* (BÖTTCHER, 1905); Ent. Z. 19 (11): 55 (*Arctia maculosa* GERNING v. *strigulosa* Hmps.). Type locality: "Naryn-Sendung" [Kyrgyzstan].

= *Chelis thianshana* DUBATOLOV, 1988, Таксономия животных Сибири [Taxonomy of animals from Siberia]. Novosibirsk: 93-94, f. 1к,л (p.85), 2ж (p. 86-87). Type locality: "Киргизский хр., массив Узун-Гыр" [Kyrgyzstan: Kyrgyz Mts., Uzun-Gyr Range]. Kyrgyzstan: Kyrgyz Range, eastern part of Suussamyr Range, Terskei Alatau Range, Inner Tien Shan; Kazakhstan: Transili Range, Dzhungarian Alatau, Tarbagatai; China: Xinjiang: East Tien Shan (Map 95).

**Grammia** RAMBUR, 1866; Cat. syst. Lép. Andalousie (2): 261.

Type species *Bombyx quenseli* Paykull, 1793, by monotypy.

=*Orodemnias* WALLENGREN, 1885; Skand. Heterocer-Fjärilar 2 (3): 315. Type species *Bombyx quenseli* PAYKULL, 1793, by monotypy.

**Grammia kodara** DUBATOLOV & SCHMIDT, 2005; Евразийский энтомологический журнал [Euroasian Entomological Journal] 4 (1): 53-54, fig. 1-2, 7. Type locality: "RUSSIA: Chita Province, Kodar Mt. Range, near Station Kodar, river Sul'ban, locality Mezhded', 1500 m a.s.l." Asian Russia: northern part of Chita Province (Map 96).

**Grammia philipiana** FERGUSON, 1985; Entomography. Ann. Rev. Biosystematics. 3: 229-230, fig. 53-54. Type locality: "Tussock tundra, elev.1600 ft., ... [Ray Mts., near Torment Cr., 65° 51.5-52' N, 151° 25-27' W]" [USA: Alaska].

=*Grammia olga* DUBATOLOV, 1990, Редкие гельминты, клещи и насекомые [Rare helminths, mites and insects]. Novosibirsk: 79-82. Type locality: "о-в Врангеля, низ. р. Гусиной" [Russia: Chukotka, Wrangel is., rivulet Gusinaya lower flow]. Russia: Chukotka (Wrangel Is.) (Map 97); North America: USA: Alaska.

**Grammia quenseli** (PAYKULL, 1793); Skr. Naturh.-Selsk. Kiøbenhavn 2 (2): 99-100 (*Bombyx Quenseli*). Type locality: "in Lapponia ad Enontekiis" [Finland].

=*[Bombyx] Strigosa* FABRICIUS, 1793; Ent. Syst. 3 (1): 454. Type locality: "in Lapponia" [Finland, Sweden or Norway].

=*[Chelonia quenselii* ab.] *Fallowi* JOURDHEUIL, 1866; Ann. Soc. Ent. Fr. (Ser. 4) 6: (127)-128, t. 2, fig. 14. Type locality: "provenant du haut Valais" [Switzerland].

=*A[rtia] Quenseli* var. *Gelida*, SCHØYEN, 1880, Archiv Mathem. og naturvidsk. 5: 175-176, fig. 3. Type locality: "Sydvaranger ... Jakobselv" [Norway].

=*Apantesis quenselii* var. *norvegica* STRAND, 1919; Cat. Lep. 22: 292, replacement name for *Arctia quenseli gelida* SCHØYEN, 1880, nec MÖSCHLER, 1849.

=*[Arctia quenseli] integra* DANNEHL, 1928; Ent. Z. 42: 130. Type locality: "Stilfser Joch [Großglockner]" [Austria].

=*Orodemnias quenselii* subsp. *alpivolans* WARNECKE, 1949; Z. Wien. Ent. Ges. 34: 127-129. Type locality: "Großglockner in Kärnten" [Austria]. West Europe: Alps, Carpathians (Transylvanian Alps in Romania), Polar Scandinavia (Tromsø, Finmark, Lule Lappmark, Torne Lappmark, Lapponia kemensis, Lapponia enontekiensis); European Russia: Kola Peninsula, Polar Ural; north-eastern Kazakhstan; South Siberian mountains (Altai, Tuva, East Sayan, Transbaikalia); northern Mongolia, Far Eastern Russia: Middle Amur, Yakutia, Khabarovsk and Magadan Provinces, Chukotka, including Wrangel Is., Kamchatka; Japan (Hokkaido: Mt. Daisetsu); North America: from Alaska and Yukon via North-Western Territories to Labrador. The non-typical subspecies is distributed in Alps, Carpathians, Polar Scandinavia; Russia: Cola peninsula, Polar Ural (Map 96).

**G. quenseli saura** DUBATOLOV, 2007; Atalanta 38 (3/4): 353, col. plate 18, fig 11, gen. fig. 5. Type locality: "[Kazakhstan], Saur Tarbagatai Mts., the Uidene River headwaters". North-eastern Kazakhstan: Saur and Tarbagatai Mts.

**Grammia quenseli liturata** (MÉNÉTRIÈS, 1859) [17 avril 1859]; Bull. Acad. ph.-mat. St. Pet. 17 (32): 500 (*Chelonia liturata*). Type locality: "près de la rivière Kaïkhan ... près du lac Toko-Baïkal"; figured by MÉNÉTRIÈS (1863); Cat. lep. Petersb. 3: 149-150, t. 15, f. 4. Type locality: "près du fleuve Khaïkane", etc. [р.Хайкан, левый приток р.Учур на севере Хабаровского края, 56-57" СШ, 132-133" ВД] [river Khaikan, left tributary of the river Uchur, Khabarovsk Province, Russia]. Lectotype designated by DUBATOLOV (1996a: 340).

=*Orodemnias quenselii daisetsuzana* MATSUMURA, 1927; Insecta Matsum. 1: 110, 113-114, fig. 2. Type locality: "Hokkaido (Mt. Daisetsu); ... at Asahidake (about 2280 Meters high)" [Japan]. Asian Russia: South Siberian mountains (Altai, Tuva, East Sayan, Transbaikalia), Middle Amur, Yakutia, Magadan and Khabarovsk Provinces, Kamchatka; northern Mongolia; Japan (Hokkaido: Mt. Daisetsu).

**Grammia quenseli zamolodchikovi** SALDAITIS & IVINSKIS, 2001; Helios 2: 138-139, fig. 9-10, tab. 13, fig. 11, 12. Type locality: "Russia, N E, Wrangel Is., upper reaches of Neizvestnaya river". Asian Russia: Chukotka (Wrangel Is.).

Subgenus **Holarctia** M. E. SMITH, 1938; Revision of the Genus *Apantesis* WALKER. Univ. Illinois: 6.

Type species: *Arctia turbans* CHRISTOPH, 1892, by original designation.

**Grammia (Holarctia) obliterata** (STRETCH, 1885); Ent. Americana 1: 105 (*Arctia obliterata*). Type locality: not stated [northwestern North America] (FERGUSON, 1991). Asian Russia: Khakasia, East Sayan, Baikal Region, Transbaikalia, central Yakutia, Middle Amur; Mongolia (Map 98); North America: Canada (Alberta, Saskatchewan, Manitoba, North-Western Territories).

**G. (Holarctia) obliterata turbans** (CHRISTOPH, 1892); Horae Soc. Ent. Ross. 26: 460-461 (*Arctia turbans*). Type locality: "auf den Tunga-Alpen, südwestlich von Irkutsk" [Russia: Buryatia]. Lectotype designated by DUBATOLOV (1996a: 346). Asian Russia: Khakasia, East Sayan, Baikal Region, Transbaikalia, central Yakutia, Middle Amur; Mongolia.

**Diacrisia** HÜBNER, [1819] 1816, Verz. bekannter Schmett.: 169.

Type species: *Phalaena russula* LINNAEUS, 1758, by monotypy.

=*Euthemonia* STEPHENS, 1828, Illust. Br. Ent. (Haustellata) 2: 55 (key), 68. Type species: *Phalaena russula* LINNAEUS, 1758, by monotypy.

**Diacrisia sannio** (LINNAEUS, 1758); Syst. Nat. (Edn. 10) 1: 506 ([*Phalaena Bombyx] Sannio*). Type locality: "Habitat in Europa". Lectotype designated by MIKKOLA & HONEY (1993: 157).

=*[Phalaena Noctua] russula* LINNAEUS, 1758; Syst. Nat. (Edn. 10) 1: 510. Type locality: "Habitat in Europa". Lectotype designated by MIKKOLA & HONEY (1993: 157).

=*[Phalaena Geometra] vulpinaria* LINNAEUS, 1758; Syst. Nat. (Edn. 10) 1: 520. Type locality: not stated [Europe]. Neotype designated by BRYK (1923); Ent. Tidskr. 44: 114.

=*Nemophila russula pallida* STAUDINGER, 1892; Dt. Ent. Z. 5: 347-348. Type locality: "Kentei" [Dorf Kudara] [Russia: Buryatia].

Malkhan Mts., Kudara-Somon].

=*Diacrisia vulpinaria* f. *nebulosa* BRYK, 1923; Ent. Tidskr. 44 (2): 115. Type locality: “ex. Delsbo (Helsingl.)” [Finland].

=*Diacrisia* [*vulpinaria*] f. *karelica* BRYK, 1923; Ent. Tidskr. 44 (2): 115. Type locality: “Kirjavaltahti am Ladoga-See” [Russia: Karelia].  
Western Europe north to Middle Scandinavia (excluding south-western parts of Iberian Peninsula and Greece); Eastern Europe: Baltia; Belarus; Ukraine, Crimea; Moldova; European Russia north to Karelia, south regions of Arkhangelsk province and Ukhta; North Caucasus; Transcaucasia (east to West Azerbaijan); north-eastern Turkey; northern Kazakhstan, mountains of eastern Kazakhstan; mountains of eastern Central Asia (south to Alai valley); north-western China (Xinjiang, etc.); Asian Russia: Siberia north to Oktyabrskoe on river Ob', Ket and Angara rivers, Transbaikalia, central Yakutia; Mongolia (Map 99). The nominotypical subspecies is distributed in Europe, Siberia, Mongolia and probably Xinjiang in China.

*D. sannio armeniaca* DUBATOLOV, 2007; Atalanta 38 (3/4): 353, col. plate 18, fig. 14, gen. fig. 9. Type locality: “ARMENIA, Darats-hitshag”. Transcaucasia: Armenia and probably north-eastern Turkey.

*D. sannio caucasica* SCHAPOSCHNIKOFF, 1904; Ежегодник Зоологического музея Императорской академии наук [Ezhegod. Zool. Mus. Imp. Akad. Nauk] 9: 253. Type locality: “... вь предгорьях ... северо-западного Кавказа” [Russia: North-West Caucasus, Majkop, by the lectotype label]. Lectotype designated by DUBATOLOV (1996a: 353).

=*Diacrisia sannio caucasiana* STRAND, 1919; Lep. Lep. 22: 416. Replacement name for *Diacrisia sannio caucasica* SCHAPOSCHNIKOFF, 1904. Russia: North-West Caucasus.

*D. sannio mortua* (STAUDINGER, 1887); Stettin. Ent. Z. 48 (1-3): 78-79 (*Nemeophila Russula* var. *Mortua*). Type locality: “Margelan (wohl Alai) ... Alexandergebirge ... Transalai” [Kyrgyzstan or Uzbekistan]. Central Asia: mountains of Tien Shan and Alai-Pamirs within Kyrgyzstan, Uzbekistan and Tadzhikistan. Note: specimens of this subspecies are often very melanistic with a wide dark grey margin on the hindwings.

*D. sannio uniformis* A. BANG-HAAS, 1907; Dt. Ent. Z. Iris 20: 86-87 (*Diacrisia sannio* v. *uniformis*). Type locality: “Samarkand” + “Syr Darja” [Uzbekistan and Kazakhstan].

=*Diacrisia sannio syrdarja* STRAND, 1919; Lep. Catal. 22: 416. Replacement name for *Diacrisia sannio uniformis* A. BANG-HAAS, 1907. Central Asia: River valleys in desert regions of Uzbekistan and Kazakhstan. Note: specimens of this subspecies are very light with worst visible pattern.

*Diacrisia irene* BUTLER, 1881; Trans. Ent. Soc. Lond. 1881: 6. Type locality: “Tokei” [Japan].

=*Diacrisia Russula* Var. *Amuri* STAUDINGER, 1892; Mém. lép. 6: 277. Type locality: “Blag.[oveshchensk], Radd.[efka], Wlad.[iwostok], Sid.[emi], Ask.[old], Sutschan und vom Uss.[uriisk]” [Russia: Amur-Blagoveshchensk Province, Jewish Autonomous Region, Primorye].

=*Diacrisia sannio rishiriensis* MATSUMURA, 1930; Ins. Matsum. 5: 35, t. 1, fig. 2. Type locality: “Hokkaido ... Oshidomari in the Isle Rishiri” [Japan].

=*Diacrisia sannio rubroventralis* BRYK, 1948 [1949]; Ark. Zool. 41A (1): 44-45, t. 1, fig. 19. Type locality: “Gekatsungu” [North Korea]. Far Eastern Russia: Middle Amur (Amur Province, Jewish Autonomous Region, south part of Khabarovsk Province), southern Dzhuzhur (Nelkan), Primorye, Sakhalin, South Kuriles (Kunashir); eastern China; Korea; Japan (Hokkaido, Honshu) (Maps 99-100).

***Rhyparioides*** BUTLER, 1877, Ann. Mag. Nat. Hist. (4) 20: 395-396.

Type species: *Rhyparioides nebulosa* BUTLER, 1877, by original designation.

*Rhyparioides amurensis* (BREMER, 1861); Bull. Acad. Imp. Sci. St. Petersb. 3: 477 (*Chelonia rubescens* Var. *amurensis*). Type locality: “Ussuri-Mündung an bis zur Ema und ... im Bureja-Gebirge” Bureja[-Gebirge] [Russia: Amur-Blagoveshchensk Province], from the lectotype label. Lectotype designated by DUBATOLOV (1996a: 343).

=*[Rhyparioides amurensis] meridei* DANIEL, 1943; Mitt. Münch. Ent. Ges. 33 (2/3): 751, t. 22, fig. 11, 12. Type locality: “vom Hoeng Shan [Hunan] und Kuatun [Fukien]” [China: Hunan and Fujian].

Far Eastern Russia: Amur Province, Jewish Autonomous Region, Khabarovsk Province north to Komsomolsk-na-Amure, Primorye; South Kuriles (Kunashir); China (Dunbei, Nei Mongol, Hebei, Shangdong, Shanxi, Shaanxi, Henan, Zhejiang, Fujian, Jiangxi, Jiangsu, Hubei, Hunan, Guangxi, Guizhou, northern Guangdong, Sichuan, Yunnan); Korea; Japan (Hokkaido, Honshu, Shikoku, Kyushu) (Map 101). The nominotypical subspecies is distributed in the continental part of the species range.

*R. amurensis nipponensis* KISHIDA & INOMATA, 1981; Jap. Het. J. 113: 199-200, fig. 7, 8. Type locality: “Nippara, Okutama, Tokyo” [Japan]. Far Eastern Russia: South Kuriles (Kunashir); Japan (Hokkaido, Honshu, Shikoku, Kyushu).

*Rhyparioides nebulosa* BUTLER, 1877; Ann. Mag. Nat. Hist. (4) 20: 396. Type locality: “Yokohama ..., Hakodaté” [Japan: Hokkaido].

=*Rhyparioides simplicior* BUTLER, 1881; Trans. Ent. Soc. London 1881: 6. Type locality: “Tokei” [Japan: Tokyo].

Far Eastern Russia: Jewish Autonomous Region, Khabarovsk vicinities; Primorye, South Kuriles: Kunashir; China (Dunbei, Nei Mongol); Korea; Japan (Hokkaido, Honshu) (Map 102).

*Rhyparioides metelkana* (LEDERER, 1861); Wien. ent. Monatschr. 5 (5): 162, t. 3, f. 12 (*Nemeophila*). Type locality: “in Alsó-Dabas bei Felső-Dabas in Ungarn” [Hungary].

=*Chelonia flavida* BREMER, 1861; Bull. Acad. Imp. Sci. St. Petersb. 3: 477. Type locality: “Bureja” [Russia: Amur-Blagoveshchensk Province]. Lectotype designated by DUBATOLOV (1996a: 343).

=*Diacrisia simanensis* MIYAKE, 1909; Bull. Coll. Agric. Tokyo Imp. Univ. 8: 163, fig. 2. Type locality: “Mionoseki, Shimane-ken” [Japan: Honshu].

=*Diacrisia (Rhyparioides) okinawana* MATSUMURA, 1927; J. Coll. Agric. Hokkaido Imp. Univ. 19: 53, pl. 5, f. 46. Type locality: “Okinawa” [Japan: Ryukyu].

=*Diacrisia (Rhyparioides) soumkeana* MATSUMURA, 1927; Insecta Matsum. 1: 110, 113. Type locality: “Hokkaido (Mt. Daisetsu) ... at Soumkei” [Japan].

- =*Rhyparioides metelkana occidentalis* DANIEL, 1939; Mitt. Münch. Ent. Ges. **29**: 364-366. Type locality: “Epannes und Amuré” [western France: Deux Sèvres].
- =*Rhyparioides metelkana kiangsui* DANIEL, 1943; Mitt. Münch. Ent. Ges. **33** (2/3): 748, t. 22, fig. 7. Type locality: “Lungtan [bei Nanking, (Prov. Kiangsui)]” [China: Jiangu]. West Europe (locally): Western and northern France, southern Belge, Germany: Berlin suburbs, north-eastern Poland, southern Slovakia, Hungary, western Romania, Donau delta; southern Ukraine (locally): Kherson and probably, Vohlynia; European Russia: Azov (Taganrog), Voronez Province, North-East Caucasus (Derbent); south part of West Siberian plain (Karasuk in Novosibirsk Province); Far Eastern Russia: Amur Province, Jewish Autonomous Region, Khabarovsk Region north to Komsomolsk-na-Amure, Primorye; China (Dunbei, Nei Mongol, Hebei, Shangdong, Jiangu, Zhejiang, Hunan); Korea; Japan (Hokkaido, Honshu, Shikoku, Kyushu, Tsushima, Yaku, Okinawa) (Map 103).
- Rhyparioides subvaria* (WALKER, 1855); List Spec. lep. Ins. Colln. Br. Mus. **3**: 637 (Diacrisia). Type locality: “North China”.
- =*Diacrisia flavidioides* OBERTHÜR, 1911; Et. Léop. comp. **5**: 87. Type locality: “Siao-lou” [China: Sichuan].  
China: (Zhejiang, Fujian, Jiangxi, Hubei, Hunan, Anhui, Guangdong, Guizhou, Sichuan); southern Korea; Japan (Tsushima) (Map 104).

***Rhyparia*** HÜBNER, [1820] 1816, Verz. bekannter Schmett.: 183.

Type species: *Phalaena purpurea* LINNAEUS, 1767, by subsequent designation by KIRBY (1892), Synonymic Cat. Lep. Het. **1**: 260 (as *Phalaena purpurata* LINNAEUS).

- Rhyparia purpurata* (LINNAEUS, 1758); Syst. Nat. (Edn. 10) **1**: 505 ([*Phalaena Bombyx*] *Purpurata*). Type locality: not stated [Europe].  
=*Phalaena Bombyx purpurea* LINNAEUS, 1767; Syst. Nat. (Edn 12) **1** (2): 828-829. Type locality: not stated [Europe].  
=[*Arctia Purpurata*] var. *Caucasica* ALPHERAKY, 1876, nec *Chelonia caucasica* MÉNÉTRIÈS, 1832; Труды Рус. энтомол. об-ва [Trudy Rus. Ent. Ob-va] **10**: [14]-15. Type locality: “[на Машуке]” [Russia: North Caucasus: Mashuk Mt. near Pyatigorsk].  
=[*Arctia purpurata*] var. *obscura* REHBERG, [1879] 1880; Abh. Nat. Ver. Bremen **6**: 466-467. Type locality: “Auf Heiden. Ganderkesee. Gruppenbühen. Wildeshausen. Rotenburg.” [Germany].  
=[*Rhyparia purpurata*] v. (ab.) *uralensis* SPULER, 1906; Schmett. Europ. **2**: 131. Type locality: “Süiduralgebiet” [Russia].  
=[*Rhyparia purpurata*] var. *barteli* KRULIKOVSKY, 1909; Материалы к познанию фауны и флоры Росс. Имп. Отд. Зоол. [Materials to Knowledge of Fauna and Flora of Russian Empire. Zool. Dep.] **9**: (171)-172. Type locality: “Яр.[анский у[е]здъ] [Вятской губернии] ... изъ Казанской губ., ... изъ окр. г. Уфы и ... изъ г. Ярославля” “in Rossiae orientalis provincii Wiatka, Casan, Ufa, Orenburg, etc. (et centralis: Iaroslavl) et in Siberia occidentali”.
- =*Rhyparia purpurata* subsp. *callunae* MAUTZ, 1933; Int. Ent. Z. **27** (5): 50, fig. Type locality: “[nordwestdeutschen ...] aus der Umgegend von Hannover und Müden a. d. Oertze” [Germany: Niedersachsen].  
West Europe north to southern Scandinavia (excluding the North Sea coast, northern France, south part of Iberian Peninsula and Peloponnes); Baltia; Belarus; Ukraine, Crimea; European Russia north to Karelia, Upper Volga and Vyatka, North Caucasus; Transcaucasia; Asia minor; Syria; northern and eastern Kazakhstan; Kyrgyzstan; Asian Russia north to Khanty-Mansiisk, Tomsk, Krasnoyarsk, Angara river, Baikal Region, Transbaikalia; Mongolia; Far Eastern Russia: Amur basin, South Okhotia (Tugur), Primorye; China (Xinjiang, Jilin, Liaonin, Nei Mongol, Gansu, Heilongjiang); Korea; Japan (Honshu) (Map 105). The nominotypical subspecies is distributed from Europe to Mongolia and East Siberia.

- R. purpurata gerda*** WARNECKE, 1918; Int. Ent. Z. **12**: 81 (*Rhyparia purpurata* L. n. var. *gerda*). Type locality: “Halbinsel Sidemi, südwestlich von Wladiwostok” [Russia].  
Far Eastern Russia: Eastern Transbaikalia, Amur basin, Primorye; eastern Mongolia; north-eastern China; Korea; Japan.  
Note: The subspecies is characterized mainly by the ♂ genitalia structure: the valva hind edge is concave near the apex.

***Amurrrhyparia*** DUBATOLOV, 1985, Систематика и биология членистоногих и гельминтов [Systematics and biology of arthropods and helminths]. Novosibirsk: 66-68.

Type species: *Chelonia leopardina* MÉNÉTRIÈS, 1858, by original designation (but cited as *Diacrisia leopardimula* STRAND, 1919).

- Amurrrhyparia leopardina*** (MÉNÉTRIÈS, [26 août 1858] 1859); Bull. Acad. Sci. St. Petersb. **17** (14): 218 (*Chelonia leopardina*). Type locality: “Des rives de l’Amour” [Russia: Amur river].  
=*Diacrisia leopardimula* STRAND, 1919; Lep. Catal. **22**: 185. Unnecessarily replacement name for *Chelonia leopardina* MÉNÉTRIÈS, 1859, nec *Euprepia leopardina* KOLLAR, [1844].  
=*Diacrisia leopardimula sinensis* O. BANG-HAAS, 1936; Ent. Zeit. & Int. Ent. Zeit. **50** (30): 348. Type locality: “Kuku Nor, Sining” [China: Qinghai].  
=*Diacrisia leopardimula mandshurica* O. BANG-HAAS, 1936; Ent. Zeit. & Int. Ent. Zeit. **50** (30): 348. Type locality: “Mandschuria, Charbin” [China: Heilongjiang]. Eastern Mongolia (O. GORBUNOV, pers. comm.); Far Eastern Russia: south-eastern Transbaikalia, Amur basin (Urusha, Zeya river, Blagoveshchensk, Jewish Autonomous Region, Khabarovsk, Amur river mouth), southern Primorye; China (Heilongjiang, Liaonin, Nei Mongol, Hebei, Shanxi, Shaanxi, Ningxia, Gansu, Qinghai, Tibet, Sichuan) (Map 106). Note: STRAND (1919), following HAMPSON (1901), placed *leopardina* MÉNÉTRIÈS, 1858 as well as *leopardina* KOLLAR, [1844] into the same genus *Diacrisia* HÜBNER, [1819]; so, he changed the first name into *leopardimula* STRAND, 1919. Very soon they were separated into different genera by HAMPSON (1920) with preserving the original names. DUBATOLOV (1985a) used the name *leopardimula* STRAND, 1919 instead of *Chelonia leopardina* MÉNÉTRIÈS, 1858 because he considered that it was a homonym of *Euprepia leopardina* KOLLAR, [1844]. Both generic names are objective synonyms of *Arctia* SCHRANK, 1802. However, according to Article 53.3 on ICZN, two names are homonyms only if they were introduced or later used under the same generic name, but not in the same genus. So, *leopardina* MÉNÉTRIÈS, 1858 and *leopardina* KOLLAR, [1844] are not homonyms.

**Spilosomini**Type genus: *Spilosoma* CURTIS, 1825**Areas** WALKER, 1855; List Spec. lep. Ins. Colln Br. Mus. 3: 658.Type species: *Areas orientalis* WALKER, 1855, by monotypy (the genus was revised by INOUE, 1984 and DUBATOLOV, HAYNES & KISHIDA, 2009).*Areas galactina* (HOEVEN, 1840); Tijdschr. Nat. Gesch. Physiol. 7: 280, t. 6, fig. 5a, 5b (*Chelonia*). Type locality: "Brazilië" [Java, Indonesia] (INOUE, 1984).= *Pericallia galactina* f. *walshiae* ROEPKE, 1938; Ent. Z. 52: 157-160. Type locality: "Westjava" [Indonesia].

Bangladesh (?); India: North-Western Himalayas, Sikkim, Assam, Arunachal Pradesh, Meghalaya (Khasis), Nagaland (Nagas); Nepal; Bhutan; China: Sicuan, Yunnan, Guangdong, Guangxi, Hunan, Hubei; Taiwan; Indochina; Malay Peninsula; Sundaland: Sumatra, Java, Borneo; Philippinas (Map 107). The nominotypical subspecies is distributed in Java.

*A. galactina formosana* OKANO, 1960; Rep. Gakugei Fac. Iwate Univ. 16 (2): 18-19, pl. 8, fig. 10. Type locality: "Jen-ai-hsiang, Nantow-hsien, Central Formosa" [Taiwan].*A. galactina hollowayi* DUBATOLOV, HAYNES & KISHIDA, 2009; Tinea 20 (5): 326-327, fig. 29-31, fig. gen. 42. Type locality: "MALAY-SIA, Sabah, Mt. Kinabalu, Park Head Quarters". Sundaland: Borneo.*A. galactina inouei* DUBATOLOV, HAYNES & KISHIDA, 2009; Tinea 20 (5): 319-322, fig. 6, fig. gen. 37. Type locality: "Vietnam, Lao cai Prov., Sapa". China: eastern Sichuan, eastern Yunnan; northern Vietnam; northern Laos; northern Thailand.*A. galactina khasiana* DANIEL, 1943; Mitt. Münch. Ent. Ges. 33 (2/3): 744, Taf. 21, Fig. 1-2. Type locality: "Likiang" [China: Yunnan]. China: western Yunnan, western Sichuan. Probably also eastern Tibet and northern Burma (Myanmar).*A. galactina latifascia* (ROTHSCHILD, 1933); Ann. Mag. Nat. Hist. (10) 11: 186 (*Pericallia galactina latifascia*). Type locality: "Andaman Islands" [India]. India: Andaman Is.*A. galactina ochracea* MELL, 1922; Dt. Ent. Z. 1922: 126. Type locality: "Süd- und Nordgebiet der Provinz Kuangtung" [China: Guangdong]. China: Guangdong, Guangxi, Hunan, Hubei.*A. galactina orientalis* WALKER, 1855; List Spec. lep. Ins. Colln Br. Mus. 3: 658-659 (*Areas orientalis*). Type locality: "North India". = [*Pericallia galactina*] ab. *khasiana* ROTHSCHILD, 1914; in SEITZ, Gross-Schmett. Erde 10: 257. Type locality: "Khasia Hill" [India: Meghalaya]. India: North-West Himalayas within Himachal Pradesh and Uttar Pradesh, Sikkim; Nepal; Bhutan.*A. galactina owdai* DUBATOLOV, HAYNES & KISHIDA, 2009; Tinea 20 (5): 327-328, fig. 32-34, fig. gen. 43. Type locality: "PHILIPPINES, N. Luzon, Mountain Prov., Sagada [=Sadanga] 1550 m". Philippines: Luzon, Negros, Mindoro, Palawan.*A. galactina trigonalis* (SNELLEN VAN VOLLENHOVEN, 1863); Tijdschr. Ent. 6: 140, t. 10, f. 1 (*Numenes trigonalis*). Type locality: "Sumatra" [Indonesia].= *Areas cana* DRUCE, 1899; Ann. Mag. Nat. Hist. (7) 3: 234. Type locality: "Sumatra" [Indonesia].= *Pericallia galactina intermedia* ROTHSCHILD, 1933; Ann. Mag. Nat. Hist. (10) 11: 186. Type locality: "Government Hill, Penang, 2500 ft." [Malaysia: Malay Peninsula]. Indonesia: northern Sumatra; Malaysia: Malay Peninsula; southern Burma (Myanmar).Subgenus **Melanareas** BUTLER, 1889; Illust. typical Spec. Lepid. Het. Colln. Br. Mus. 7: 4, 29.Type species: *Euprepia imperialis* KOLLAR, [1844] 1848, by monotypy.*Areas (Melanareas) imperialis* (KOLLAR, [1844]); Kaschmir 4 (2): 466, t. 21, fig. 1 (*Euprepia*). Type locality: "Himaleya, Massuri" [India: Uttar Pradesh: Massooree]. Northern Pakistan; India: North-West Himalayas, Sikkim; Nepal; China: Tibet (Map 108).**Paramsacta** HULSTAERT, 1923; Ann. Mag. Nat. Hist. (9) 11: 187.Type species: *Paramsacta pura* HULSTAERT, 1923, by original designation (the genus was outlined by DUBATOLOV, 2004c).*Paramsacta moorei* (BUTLER, 1875); Cist. Ent. 2: 23 (*Areas*). Type locality: "Almorah, N. India" [India: Uttar Pradesh].= *Aloa sara* SWINHOE, 1889; Proc. Zool. Soc. London 1889: 404. Type locality: "Karachi" [Pakistan]. Pakistan; India.*Aloa* WALKER, 1855, List. Spec. lep. Ins. Colln Br. Mus. 3: 699.Type species: *Phalaena lactinea* CRAMER, 1777, by subsequent designation by MOORE ([1883] 1882-1883), Lepid. Ceylon 2: 74.*Aloa cardinalis* (BUTLER, 1875); Cist. Ent. 2: 22 (*Areas cardinalis*). Type locality: "Philippine Islands" [Sulawesi, Timor, Toekan Besi Islands].*Aloa ihlei* ČERNÝ, 2009; Moths of Thailand 6: 165-166, pl. Genitalia 3, fig. 335, pl. 35, fig. 335 (*Aloa ihlei*). Type locality: "E Thailand, Sakhon Nakhon, Phu Pan N.P., 400 m, 17° 0,574'N, 103° 59,946'E".*Aloa lactinea* (CRAMER, 1777); Uitl. Kap. (Pap. exot.) 2: 58, 149, pl. 133, fig. D (*Phalaena*). Type locality: "Batavia" [Indonesia: Java: Djakarta].= *B[ombyx] ... sanguinolenta* FABRICIUS, 1793; Ent. Syst. 3 (1): 473-474. Type locality: "India orientali".= *Aloa marginata* MOORE, 1883; Proc. Zool. Soc. London 1883: 15-16, t. 5, f. 1. Type locality: "Nepal".= *Rhodogastria frederici* KIRBY, 1892; Syn. Cat. Lep. Het. 1: 223. Replacement name for *Aloa marginata* MOORE, 1883.= *Creatonotus negritus* HAMPSON, 1894; Moths India 2: 28. Type locality: "Khásis" [India: Meghalaya].

Pakistan; Sri Lanka; India; south-eastern Afghanistan; Nepal; Burma (Myanmar); Indochina; China: eastern Tibet, Sichuan, Yunnan, Guangdong, Hainan, Guangxi, Henan, Anhui, Hubei, Hunan, Jiangxi, Jiangsu, Zhejiang, Fujian, Shaanxi, Shanxi, Shangdong, Hebei, Liaoning, Jilin; Taiwan; Korea; Japan (Honshu, Shikoku, Kyushu, Yaku, Tokara, Okinawa, Ishigaki, Iriomote); Philippines; Indonesia (Sumatra, Java, Sulawesi, Lombok, Flores).

*Aloa sensu lato*

*Aloa albistriga* WALKER, 1864; List Spec. lep. Ins. Colln. Br. Mus. **31**: 303-304. Type locality: “South Hindostan” [India]. Southern Pakistan (Islamabad); southern India.

*Aloa collaris* HAMPSON, 1891; Ill. Het. Br. Mus. **8**: 54, t. 140, fig. 18. Type locality: “the Nilgiri District of Southern India”. Southern India north to Mumbai (Bombey); China: Hainan (ROTHSCHILD, 1910).

*Aloa flavimargo* (HAMPSON, 1894); Moths India **2**: 27 (*Cretonotus flavimargo*). Type locality: “Bhâmo, Burma” [Myanmar: Kachin State]. Burma (Myanmar); Thailand.

*Micraloa* DUBATOLOV, 2004; Atalanta **35** (3/4): 304.

Type species: *Bombyx lineola* FABRICIUS, 1793, by original designation.

*Micraloa lineola* (FABRICIUS, 1793); Ent. Syst. **3** (1): 465-466 (*B.[ombyx] ... lineola*). Type locality: “India orientali”.

=*Spilosoma punctistriga* WALKER, 1855; List Spec. lep. Ins. Colln. Br. Mus. **3**: 676. Type locality: “North India”.

=*Aloa candidula* WALKER, 1855; List Spec. lep. Ins. Colln. Br. Mus. **3**: 704. Type locality: “Nepaul” [Nepal]. Lectotype as a type designated by HAMPSON (1901: 325).

=*Aloa diminuta* WALKER, 1855; List Spec. lep. Ins. Colln. Br. Mus. **3**: 705. Type locality: “North India”.

=*Spilosoma strigata* WALKER, 1869; Char. Lep. Het.: 10. Type locality: Originally not stated. The type from Punjab [India] was designated by HAMPSON (1901: 325).

=*Cretonotus rubricosta* MOORE, 1872; Proc. Zool. Soc. London **1872**: 573. Type locality: “Manipuri, North-West India ...” [India]. Lectotype as a type designated by HAMPSON (1901: 325).

=*Aloa insolata* SWINHOE, 1889; Proc. Zool. Soc. London **1889**: 404-405, t. 43, f. 15. Type locality: “Thyetmeyo” [Burma (Myanmar): Magwe].

=*D.[iacrisia] felderi* ROTHSCCHILD, 1910; Novit. Zool. **17** (2): 124. Type locality: “Kotegurh, N. India” [India: West Bengal].

=*Estigmene octomaculata* ROTHSCCHILD, 1933; Ann. Mag. Nat. Hist. (10) **11**: 185. Type locality: “Solan” [Himachal Pradesh, India].

Northern Pakistan (Nargis Viqar, 2004); Sri Lanka (?); India; Nepal; Burma (Myanmar).

*Micraloa emittens* (WALKER, 1855); List Spec. lep. Ins. Colln. Br. Mus. **3**: 638-639 (*Cretonotos*). Type locality: “Ceylon” [Sri Lanka]. Lectotype as a type designated by HAMPSON (1901: 325).

=*Aloa flora* SWINHOE, 1885; Proc. Zool. Soc. London **1872**: 296, t. 20, f. 5. Type locality: “Bombay” [India]. Sri Lanka; India.

*Afraloea* DUBATOLOV, 2006; Nachr. Ent. Ver. Apollo **27** (3): 145.

Type species: *Aloa bifurca* WALKER, 1855, by original designation.

*Afraloea bifurca* (WALKER, 1855); List Spec. lep. Ins. Colln. Br. Mus. **3**: 700 (*Aloa*). Type locality: “Sierra Leone”.

Northern Pakistan (invaded?) (NARGIS VIQAR, 2004); Africa: Sierra Leone, Ghana, Nigeria, Zaire, Uganda (GOODGER & WATSON, 1995).

*Fangarctia* DUBATOLOV, 2003; Tinea **17** (5): 263-264.

Type species: *Spilarctia zhongtiao* FANG & CAO, 1984, by original designation.

*Fangarctia huizenensis* (FANG, 2000); Fauna Sinica. Insecta **19**: 430-431, 543, pl. 7, f. 9 (*Spilarctia*). Type locality: “Yunnan Huize” [China]. China: Yunnan (Map 109).

*Fangarctia zhongtiao* (FANG & CAO, 1984); Entomotaxonomia **6** (2-3): 175, 177, fig. 1 (*Spilarctia*). Type locality: “Yiliang (1700 m)” [China: Yunnan]. China: Yunnan (Map 109).

*Juxtartaria* KIRTI & KALEKA, 2002; J. Bombay Nat. Hist. Soc. **99** (1): 80.

Type species: *Juxtartaria bispinuatus* KIRTI & KALEKA, 2002, by original designation.

*Juxtartaria multiguttata* (WALKER, 1855); List Spec. lep. Ins. Colln. Br. Mus. **3**: 657 (*Hypercompa multiguttata*). Type locality: “Nepaul” [Nepal].

=*Deiopeia spilosomoides* WALKER, 1864; List Spec. lep. Ins. Colln. Br. Mus. **31**: 263. Type locality: “North Hindostan” [India].

=*Deiopeia pardalina* WALKER, 1864; List Spec. lep. Ins. Colln. Br. Mus. **31**: 263. Type locality: “Cambodia”.

=*D.[acrisia] multiguttata major* ROTHSCCHILD, 1910; Novit. Zool. **17** (2): 138; 18: t. 4, f. 27. Type locality: “Chandkhira, Silhet, ...; Khasia Hills, Assam” [Bangladesh and India].

=*D.[acrisia] multiguttata pallidior* ROTHSCCHILD, 1910; Novit. Zool. **17** (2): 138. Type locality: “Bhutan; ... Darjeeling, Sikkim; ... Tiota, Sikkim ...” [Bhutan and India].

=*Juxtartaria bispinuatus* SINGH & SINGH, 1998 **nomen nudum** et **syn. nov.**; Himalayan Journal of Environment and Zoology **12** (2): 147. Type locality: Assam: Cachar Hills, Jatinga [India].

=*Juxtartaria monospinuatus* SINGH & SINGH, 1998 **nomen nudum** et **syn. nov.**; Himalayan Journal of Environment and Zoology **12** (2): 145. Type locality: Assam: Cachar Hills, Jatinga [India].

=*Juxtartaria bispinuatus* KIRTI & KALEKA, 2002 **syn. nov.**; J. Bombay Nat. Hist. Soc. **99** (1): 79-85. Type locality: “India: Assam: North Cachar Hills, Jatinga, 900 m”.

=*Juxtartaria monospinuatus* KIRTI & KALEKA, 2002 **syn. nov.**; J. Bombay Nat. Hist. Soc. **99** (1): 79-85. Type locality: “India: Assam: North Cachar Hills, Jatinga, 900 m”.

=*Spilarctia multicornutiata* KALEKA, 2005 **syn. nov.**; Entomon **30** (3): 208-210, fig. 5-13 (p. 213-214). Type locality: “Himachal Pradesh: Kalpa, 3000 m” [India].

=*Spilarctia nirmalae* KALEKA, 2005 **syn. nov.**; Entomon **30** (3): 210-211, fig. 14-20 (p. 215). Type locality: “Uttaranchal: Chakrata, 2100 m” [India].

=*Spilarctia himachalensis* KALEKA, 2005 **syn. nov.**; Entomon **30** (3): 211-213, fig. 21-27 (p. 216). Type locality: “Himachal Pradesh: Solan, Nauni, 900 m” [India].

=*Spilarctia valvata* KALEKA, 2005 **syn. nov.**; Entomon **30** (3): 214, 216-219, fig. 29-36 (p. 217). Type locality: “Himachal Pradesh: Solan, Nauni, 900 m” [India].

India: North-West Himalayas, Sikkim, Assam; Nepal; Bhutan; Burma (Myanmar); China: Tibet; Indochina (from Thailand to Vietnam and Cambodia). Note: All taxa described by KIRTI & KALEKA are individual variations of *J. multiguttata* Wlk.

**Hollowayana** DUBATOLOV & KISHIDA, 2006a; Tinea **19** (2): 104.

Type species *Arctia landaca* MOORE, 1859, by original designation.

**Hollowayana landaca** (MOORE, 1859); Cat. Lep. Ins. Mus. Nat. Hist. East Ind. House **2**: 358 (*Arctia Landaca*). Type locality: “Java” [Indonesia]. Lectotype designated by DUBATOLOV & KISHIDA (2006a: 105, 107).

=*D. [acrisia] sumatrensis javanica* ROTHSCHILD, 1910; Novit. Zool. **17**: 147. Type locality: “Djember, Besoeki Residency, Java, 1399-2500 m” [Indonesia]. Lectotype designated by DUBATOLOV & KISHIDA (2006a: 107). Indonesia: Java, Bali, Flores.

**Paraspilarctia** KÔDA, 1988; Tyô to Ga **39** (1): 47-49.

Type species: *Diacrisia magna* WILEMAN, 1910, by original designation.

**Paraspilarctia magna** (WILEMAN, 1910); Entomologist **43**: 136 (*Diacrisia*). Type locality: “Rantaizan ... Formosa” [Taiwan] (Map 110).

Subgenus **Kishidarctia** DUBATOLOV, 2003 **stat. nov.**; Tinea **17** (5): 259-263.

Type species: *Pericallia klapperichi* DANIEL, 1943, by original designation.

**Paraspilarctia (Kishidarctia) klapperichi** (DANIEL, 1943) **comb. nov.**; Mitt. Münch. Ent. Ges. **33** (2/3): 755, t. 19, fig. 1 (*Pericallia*). Type locality: “Kuatun 2300 m, 27,4” n.Br., 117,4” ö.L. (Fukien)” [China: Fujian]. China: Fujian, Guangdong; northern Vietnam (Map 110).

**Bucaea** WALKER, 1866; List Spec. lep. Ins. Colln. Br. Mus. **35**: 1983, replacement name for *Savara* WALKER, [1865].

=*Savara* WALKER, [1865a] 1864; List Spec. lep. Ins. Colln. Br. Mus. **31**: 320, nec WALKER, 1862a, J. Proc. Linn. Soc. (Zool.) **6**: 184 (Noctuidae).

Type species: *Savara simplex* WALKER, [1865] 1864, by monotypy.

=*Tamilarctia* DUBATOLOV & KISHIDA, 2005; Tinea **18** (4): 307-308. Type species: *Phragmatobia fumipennis* HAMPSON, 1891, by original designation.

**Bucaea fumipennis** (HAMPSON, 1891); Ill. Het. Br. Mus. **8**: 54, t. 140, f. 24 (*Phragmatobia ? fumipennis*). Type locality: “the Nilgiri District of Southern India” [India: Kerala or Tamil Nadu]. Southern India (Nilgiris).

**Bucaea simplex** (WALKER, [1865a] 1864); List Spec. lep. Ins. Colln. Br. Mus. **31**: 320 (*Savara*). Type locality: “Hindostan” [India]. Southern India (Khandalla, North Kanara).

**Sinowatsonia** DUBATOLOV, 1996, Neue Ent. Nachr. **37**: 5-6.

Type species *Micrarctia batangi* DANIEL, 1943, by original designation.

**Sinowatsonia hoenei** (DANIEL, 1943b); Mitt. Münch. Ent. Ges. **33** (2/3): 678-679, t. 14, fig. 11 (*Micrarctia hōnei*). Type locality: “Li-kiang (Nord-Yuennan)” [China]. China: Tibet, Sichuan, Yunnan (Map 111). The nominotypical subspecies is distributed in Yunnan.

**S. hoenei alpicola** (DANIEL, 1943); Mitt. Münch. Ent. Ges. **33** (2/3): 679, t. 14, fig. 12 ([*Micrarctia hōnei*] *alpicola*). Type locality: “A-tun-tse [Nord-Yuennan] und Batang [Sichuan]” [China]. China: western Sichuan, northern Yunnan, ?Tibet.

**Sinowatsonia mussoti** (OBERTHÜR, 1903); Hist. Miss. Thibet Adrien Launay: 413, fig. 9d (*Chelonia*). Type locality: “Ta-t sien-lou” [China: Sichuan].

=*Micrarctia Batangi* DANIEL, 1943; Mitt. Münch. Ent. Ges. **33** (2/3): 679-680, t. 14, fig. 10. Type locality: “Batang (Tibet). Im Tale des Yangtze ca. 2800 m” [China: Sichuan]. China: Sichuan (Map 111).

**Murzinoria** DUBATOLOV, 2007; Atalanta **38** (3/4): 355.

Type species: *Murzinoria gracilis* DUBATOLOV, 2007, by original designation.

**Murzinoria gracilis** DUBATOLOV, 2007; Atalanta **38** (3/4): 354, col. plate 18, fig. 18. Type locality: “CHINA, S. Gansu, Wenxian” (Map 111).

**Canararctia** DUBATOLOV, 1990, Редкие гельминты, клещи и насекомые [Rare helminths, mites and insects]. Novosibirsk: 85-86.

Type species: *Liparis rufescens* BRULLÉ, 1836, by original designation.

**Canararctia rufescens** (BRULLÉ, 1836); in WEBB & BERTH., Hist. Nat. Îles, Canar. **2** (2) Zool., Ins.: 95 (*Liparis rufescens*). Type locality: [“îles Canaries”], probably Teneriffe [Spain].

=*Arctia fortunata* STAUDINGER, 1891 [1892a]; Deut. Ent. Z. Iris **4**: 159-161, 250-251, t. 3, fig. 3. Type locality: “Insel Gran Canaria ... Teneriffa” [Spain]. Spain: Canares. The nominotypical subspecies is distributed in Teneriffe and Gran-Canaria.

**C. rufescens gomerensis** (PINKER & BACALLADO, [1979] 1978); Z. ArbGerm. öst. Ent. **30** (3/4): 85 (*Rhyparia rufescens gomerensis*). Type locality: “Hermigua” [Gomera, Canares] [Spain]. Spain: Canares (Gomera Is.).

**Pangora** MOORE, 1879; Descr. new Indian lep. Ins. Colln. late Mr. W. S. ATKINSON (1): 42.

Type species: *Pangora distorta* MOORE, 1879, by monotypy.

**Pangora coorgensis** (HAMPSON, 1916); Novit. Zool. **23** (2): 238 (*Pericallia coorgensis*) (figured in HAMPSON, 1920; Lep. Phal.: Pl. 62, fig. 12). Type locality: “Madras, Coorg, Somwarpet” [India: Tamil Nadu]. Southern India.

**Pangora distorta** MOORE, 1879; Descr. new Indian lep. Ins. Colln. late Mr. W. S. ATKINSON (1): 42., pl. 2, fig. 14. Type locality: “Masuri ...; Simla ...; N. W. Himalayas” [India: Uttar Pradesh: Mussoorie and Himachal Pradesh: Simla]. Lectotype as a type designated by HAMPSON (1901: 362). India: North-West Himalayas; Nepal.

**Pangora erosa** (WALKER, 1855); List Spec. lep. Ins. Colln. Br. Mus. **3**: 708-709 (*Aloa erosa*). Type locality: “-?”, not stated. Lectotype as a type from Ceylon, Pundaloya [Sri Lanka] designated by HAMPSON (1901: 361). Southern India (Travancore, Nilgiris); Sri Lanka.

*Pangora matherana* MOORE, 1879; Proc. Zool. Soc. London **1879**: 396. Type locality: “Matheran Hill, Bombay” [India: Maharashtra].  
= *Pangora rubelliana* SWINHOE, [1890]; Proc. Zool. Soc. London **1889**: 403-404. Type locality: “North Kanara” [India: Karnataka].  
Southern India.

*Aethalida* WALKER, [1865] 1864; List Spec. lep. Ins. Colln. Br. Mus. **31**: 320.

Type species: *Aethalida distinguenda* WALKER, [1865] 1864; by monotypy (the genus was revised by DUBATOLOV & KISHIDA, 2005d).

*Aethalida borneana* HOLLOWAY, 1988; Boths of Borneo **6**: 51-52, pl. 4: 6, fig. 81, 109 (gen.). Type locality: “BRUNEI: 30 m, Labi”.  
Sundaland: Borneo.

*Aethalida dora* (SEMPER, 1899); Schmett. Philipp. **2**: 490, t. 55, f. 7 (*Pangora dora*). Type locality: “Ost-Mindanao” [Philippines].  
= *P. [ericallia] whiteheadi* ROTHSCHILD, 1910; Novit. Zool. **17** (2): 170-171; 18: t. 3, f. 22. Type locality: “Cape Engano, North Luzon” [Philippines].

*Alphaea* WALKER, 1855, List Spec. lep. Ins. Colln. Br. Mus. **3**: 683-684.

Type species *Alphaea fulvohirta* WALKER, 1855, by monotypy (the genus was revised by DUBATOLOV & KISHIDA, 2005a).

*Alphaea anopunctata* (OBERTHÜR, 1911); Et. Léop. comp. **5** (1): 336, t. 82, fig. 775 (*Diacrisia*). Type locality: “Tse-Kou” [China: Sichuan].  
China: Sichuan, Yunnan (Map 112).

*Alphaea dellabrunai* SALDAITIS & IVINSKIS, 2008, Acta Zool. Lithuanica **18** (3): 166-168, fig. 1B, 3, 4, 5 (gen.), 2. Type locality: “China, West Yunnan, Dulong valley, 1500 m”.  
China: Yunnan (Map 112).

*Alphaea fulvohirta* WALKER, 1855; List Spec. lep. Ins. Colln. Br. Mus. **3**: 684 (*Alphaea fulvo-hirta*). Type locality: “-?” not stated; [India] (WATSON et al., 1980). Lectotype as a type from Sikkim [India] designated by HAMPSON (1901: 313). India: Darjeeling, Sikkim, Assam; Nepal; Bhutan; China: southern and eastern Tibet (Map 112). Note: Records from Sichuan (Wa-shan and Chia-kou-ho by LEECH, 1899) might belong to *A. anopunctata* OBTH. that was described later.

*Alphaea hongfena* FANG, 1983; Acta Ent. Sinica **26** (2): 216-217, fig. 1, 2. Type locality: “Lushui yaojiaping, Yunnan, 2500 m” [China].  
China: Yunnan (Map 112).

Subgenus *Flavalphaea* DUBATOLOV & KISHIDA, 2005; Tinea **18** (4): 242-243.

Type species: *Diacrisia khasiana* ROTHSCHILD, 1910, by original designation.

*Alphaea (Flavalphaea) impleta* (WALKER, 1864); List Spec. lep. Ins. Colln. Br. Mus. **31**: 286 (*Hypercompa*). Type locality: “Hindustan” [India].  
= *Alphaea abdominalis* MOORE, 1867; Proc. Zool. Soc. London **1867**: 682. Type locality: “Darjeeling” [India: West Bengal].

Northern Pakistan; India: Darjeeling, Sikkim, Meghalaya, Assam, and probably North-West Himalayas; Nepal; China: south-eastern Tibet (Map 113).

*Alphaea (Flavalphaea) khasiana* (ROTHSCHILD, 1910); Nov. Zool. **17** (2): 148-149; 18: t. 3, f. 19 (*Diacrisia*). Type locality: “Khasia Hills, Assam” [India: Meghalaya].  
India: Meghalaya; China: Yunnan; northern Vietnam; Burma (Myanmar); northern Thailand (Map 113).

Subgenus *Nayaca* MOORE, 1879b; in HEWITSON & MOORE, Descr. new Indian lep. Insects Colln late Mr W. S. ATKINSON (1): 43.

Type species: *Arctia imbuta* WALKER, 1855, by original designation.

*Alphaea (Nayaca) chiyo* DUBATOLOV & KISHIDA, 2005; Tinea **18** (4): 250-251, figs 20-21, 30 (*Alphaea (Nayaca) chiyo*). Type locality: “Myanmar (Burma), Chin, Mt. Victoria”.  
Burma (Myanmar); China: south-eastern Tibet, Yunnan (Map 114).

*Alphaea (Nayaca) florescens* (MOORE, 1879); Descr. New Indian Lep. Ins. Colln. ATKINSON (1): 43, t. 2, f. 13 (*Nyaca*). Type locality: “Darjiling” [India: West Bengal].  
Nepal; India: Darjeeling, Sikkim, Assam (Map 114).

*Alphaea (Nayaca) imbuta* (WALKER, 1855); List Spec. lep. Ins. Colln. Br. Mus. **3**: 614 (*Arctia imbuta*). Type locality: “Himalaya Mountains” + “North India”. Lectotype as a type from Sikkim [India] designated by HAMPSON (1901: 339). India: Himachal Pradesh, Sikkim; Nepal; Bhutan (Map 114). The nominotypical subspecies is distributed in North-West Himalayas of India and Nepal.

*A. (Nayaca) imbuta sikkimensis* (ROTHSCHILD, 1910); Novit. Zool. **17** (2): 162 (*E. [stigmene] imbuta sikkimensis*). Type locality: “Sikkim, ...; Darjeeling ...; Bhutan”. Lectotype as a type from Sikkim [India: Sikkim] designated by HAMPSON (1920: 430).  
India: Darjeeling, Sikkim; Bhutan.

*Alphaea (Nayaca) rothschildi* DUBATOLOV & KISHIDA, 2005; Tinea **18** (4): 249 (*Alphaea (Nayaca) rothschildi*); replacement name for *Estigmene imbuta khasiana* ROTHSCHILD, 1910, nec *Diacrisia khasiana* ROTHSCHILD, 1910.

= *E. [stigmene] imbuta khasiana* ROTHSCHILD, 1910; Novit. Zool. **17** (2): 162. Type locality: “Khasia Hills, Assam” [India: Meghalaya].  
India: Sikkim, Meghalaya (Map 114).

*Alphaea (Nayaca) turatii* (OBERTHÜR, 1911); Et. Léop. comp. **5** (1): 336, t. 82, fig. 770 (*Estigmene Turatii*). Type locality: “Siao-Lou” [China: Sichuan].  
China: Sichuan (Map 114).

*Argyartia* KÔDA, 1988; Tyô to Ga **39** (1): 32-36.

Type species: *Diacrisia fuscobasalis* MATSUMURA, 1930a, by original designation (the genus was revised by DUBATOLOV & KISHIDA, 2007).

*Argyartia fuscobasalis* (MATSUMURA, 1930); Ins Matsum. **5** (1-2): 33, t. 1, f. 12 (*Diacrisia fuscobasalis*). Type locality: “Formosa ... Horisha” [Taiwan].

*Argyartia reikoae* (KISHIDA, 1984); Tinea **11** (23): 199-200, f. 1-3, 5 (*Spilosoma*). Type locality: “TAIWAN, Chiayi, Alishan”.



Subgenus *Fangalphaea* DUBATOLOV & KISHIDA, 2007; Euroasian Ent. J. 4 (3): 83.

Type species: *Argyartia flava* FANG, 1994, by original designation.

*Argyartia (Fangalphaea) sericeipennis* (ROTHSCHILD, 1933); Ann. Mag. Nat. Hist. (10) 11: 174 (*Spilosoma*). Type locality: "Tali Haut, Yunnan" [China].

= *Argyartia flava* FANG, 1994; Sinozoologia 11: 97-99. Type locality: "Yingjiang, Yunnan, 1660 m" [China].  
China: Yunnan; northern Vietnam; northern Thailand.

*Orhantarctia* DUBATOLOV & KISHIDA, 2005; Tinea 18 (4): 312-313.

Type species: *Alphaea habibiei* ORHANT, 1999, by original designation.

*Orhantarctia cymbalophoroides* (ROTHSCHILD, 1910); Novit. Zool. 17 (2): 134; 18: t. 4, f. 20, 25 (*Diacrisia*] *cymbalophoroides*). Type locality: "South Flores, ...; Sapit, Lombok, 2000 ft.". Indonesia: Flores. Records from Lombok should be transferred to *O. habibiei* ORHANT.

*Orhantarctia habibiei* (ORHANT, 1999); Bull. Soc. Ent. Mulhouse 1999: 61-63 (*Alphaea habibiei*). Type locality: "Indonésie, Lombok, Tetebatu".

*Afrojavonica* DUBATOLOV, 2006; Nachr. Ent. Ver. Apollo 27 (3): 151.

Type species: *Pericallia geometrica kostlani* GAEDE, 1923, by original designation.

*Afrojavonica melaena* (HAMPSON, 1901); Cat. Lep. Phal. Colln. Br. Mus. 3: 262, 308-309, pl. 46, f. 11 (*Diacrisia*). Type locality: "JAVA, Mt. Arjuno, 8000 ft." [Indonesia].

= *Diacrisia melaena georginae* KALIS, 1934; Ent. Rundschau 51: 107-108. Type locality: "Djoerangkwali (Ardjoeno), 5000 Fuß (Ost-Java)" [Indonesia].

*Afrojavonica melaenoides* (ROTHSCHILD, 1935); Novit. Zool. 39 (3): 246-247 (*Spilosoma melaenoides*). Type locality: "Kletak, Tenggr, E. Java, 6,000 ft." [Indonesia].

*Nannoarctia* KÔDA, 1988; Tyô to Ga 39 (1): 4-6.

Type species: *Aloa integra* WALKER, 1855, by original designation (the genus is revised by DUBATOLOV & KISHIDA, 2010).

*Nannoarctia conjuncta* (HAMPSON, 1901); Cat. Lep. Phalaenae Br. Mus. 3: 352, 358, t. 47, f. 11 (*Pericallia*). Type locality: "LOMBOK" [Indonesia]. Indonesia: Java, Bali, Lombok, Sumba, Sumbawa. Nominotypical subspecies id distributed in Lombok.

*N. conjuncta javanica* DUBATOLOV & KISHIDA, 2010; Tinea 21 (3). Type locality: "INDONESIA, Java".

*N. conjuncta sumbana* DUBATOLOV & KISHIDA, 2010; Tinea 21 (3). Type locality: "INDONESIA, Sumba I.". Indonesia: Sumba, Sumbawa.

*N. conjuncta williami* (ROTHSCHILD, 1910); Novit. Zool. 17 (2): 170; 18: t. 3, f. 16, 28 (*Pericallia williami*). Type locality: "Bali, low country, ... type; Mount Gedé, West Java, ...; Palaboean, Java; Residency of Djember, Java" [Indonesia]. Lectotype as a type designated by HAMPSON (1920: 443). Indonesia: Java, Bali.

*Nannoarctia himalayana* DUBATOLOV & KISHIDA, 2010; Tinea 21 (3). Type locality: "[INDIA, Himachal Pradesh], Kangra Valley".

India: Kashmir, Himachal Pradesh, Uttar Pradesh, Assam, Nagaland; Nepal. Nominotypical subspecies is distributed in Himachal Pradesh and probably Kashmir.

*N. himalayana nepalica* DUBATOLOV & KISHIDA, 2010; Tinea 21 (3). Type locality: "Central Nepal, Gandaki, Pokhara, 850 m".

Nepal; India: Uttar Pradesh, Assam, Nagaland.

*Nannoarctia integra* (WALKER, 1855); List Spec. lep. Ins. Colln. Br. Mus. 3: 707 (*Aloa integra*). Type locality: "Philippine Islands". Philippines: Luzon.

*Nannoarctia obliquifascia* (HAMPSON, 1894); Moths India 2: 24 (*Alphaea obliquifascia*). Type locality: "... Burma; ...". Lectotype as a type designated by HAMPSON (1901: 358).

= *Cretonotus obliquifascia nigrescens* MELL, 1935, Mitt. Dtsch. Ent. Ges. 6: 38. Type locality: "Nordkwangtung (Tsatmukngao südlich Linping)" [China: Guangdong]. China: Sichuan, Yunnan, Guangxi, Guangdong, Hainan; Burma (Myanmar); Thailand; Vietnam; Malay Peninsula. Note: Lectotype designation for *N. obliquifascia* Hmps. by BUTLER (1881b: 35) not corresponds to WALKER's description and was corrected later by HAMPSON (1894, 1901).

*Nannoarctia takanoi* (SONAN, 1934); Kontyû 8: 213, fig. 2 (*Pericallia*). Type locality: "Karenko (Formosa)" [Taiwan].

= *Pericallia integra*, MATSUMURA, 1931, 6000 Ill. Ins. Japan Emp.: 978, fig., nec WALKER, 1855. Type locality: [Taiwan]" (in Japanese).

Taiwan. The species is now extinct; it was not collected for more than 50 years.

*Nannoarctia tripartita* (WALKER, 1855); List Spec. lep. Ins. Colln. Br. Mus. 3: 706-707 (*Aloa tripartita*). Type locality: "East Indies".

Lectotype from Moulmein [Burma (Myanmar)] designated by DUBATOLOV & KISHIDA (2010).

Burma (Myanmar); Thailand; Laos; Cambodja (?), China (Yunnan).

Subgenus *Pseudorajendra* DUBATOLOV, HAYNES & KISHIDA, 2007; Tinea 20 (1): 75.

Type species: *Aloa dentata* WALKER, 1855, by original designation.

*Nannoarctia (Pseudorajendra) dentata* (WALKER, 1855); List Spec. lep. Ins. Colln. Br. Mus. 3: 708 (*Aloa*). Type locality: "-?". Canara [India: Karnataka] (HAMPSON, 1901: 355).

= *Aloa khandalla* MOORE, 1859; Cat. Lep. Ins. Mus. Nat. Hist. East Ind. House 2: 361, t. 9, f. 13. Type locality: "Canara ... Khandall Hill, Bombay". Lectotype as a type from Canara [India: Karnataka] designated by HAMPSON (1901: 355).  
India: Maharastra, Kerala, Tamil Nadu.

**Rajendra** MOORE, 1879; Descr. new Indian lep. Ins. Colln late Mr. W. S. ATKINSON (1): 43.

Type species: *Rajendra lativitta* MOORE, 1879, by monotypy (the genus was revised by DUBATOLOV, HAYNES & KISHIDA, 2007).

**Rajendra biguttata** (WALKER, 1855); List Spec. lep. Ins. Colln. Br. Mus. 3: 707 (*Aloa biguttata*). Type locality: "Canara, Malabar Coast" [India: Karnataka].

= *Aloa nigricans* MOORE, 1872; Proc. Zool. Soc. London 1872: 572-573. Type locality: "Deccan" [India]. Lectotype designated by DUBATOLOV, HAYNES & KISHIDA (2007: 68).

= *Rajendra lativitta* MOORE, 1879, in HEWITSON & MOORE, Descr. new Indian lep. Ins. Colln late Mr. W. S. ATKINSON (1): 43. Type locality: "Parisnath Hill, Behar" [Parisnath, India] (Hampson, 1901).

= *perrottetii* auct. Sri Lanka; India: Madhya Pradesh, Maharastra, Karnataka, Kerala, Tamil Nadu, Orissa; West Bengal; Sikkim; Bangladesh (West Bengal). Locality from Himachal Pradesh: Simloa looks to be an error. The nominotypical subspecies is distributed in India and Bangladesh.

**R. biguttata irregularis** MOORE, 1882; Lep. Ceylon 2: 72-73, t. 107, f. 2 (*Rajendra irregularis*). Type locality: "Ceylon" [Sri Lanka]. Lectotype designated by DUBATOLOV, HAYNES & KISHIDA (2007: 70).

**Rajendra cingulata** (ROTHSCHILD, 1910); Novit. Zool. 17 (2): 166 (*E.[stigmene] perrottetii cingulata*). Type locality: "Ooty" [MADRAS, Nilgiris, Ootasamund: HAMPSON, 1920: 438]. India: Tamil Nadu.

**Rajendra perrottetii** (GUÉRIN-MÉNEVILLE, [1844]); Icon. Règne anim. Cuvier (Insectes): 515 (*Chelonia Perrottetii*). Type locality: "Hab. les Neelgherries, au sommet des Gates ..." [India].

= *Rajendra vittata* MOORE, 1879a; Proc. Zool. Soc. London 1879: 396-397, t. 32, f. 12. Type locality: "British Burmah" [Burma (Myanmar)]. India: Kerala, Tamil Nadu; Burma (Myanmar).

**Defreinarctia** DUBATOLOV & KISHIDA, 2005, Tinea 18 (4): 308-309, 312.

Type species *Alphaea armini* DE FREINA, 1999, by original designation.

**Defreinarctia armini** (DE FREINA, 1999); Atalanta 30 (1/4): 183-185, f. 1-3, pl. 14 b, f. 2-3 (*Alphaea armini*). Type locality: "Nordburma, Taunggyi, 1500 m" [Burma (Myanmar): Shan State]. North Burma (Myanmar).

**Defreinarctia dianxi** (FANG & CAO, 1984); Entomotaxonomia 6 (2-3): 175-176, 177, fig. 2 (*Spilarctia*). Type locality: "Baoshan (1740 m)" [China: Yunnan]. China: Yunnan; northern Vietnam.

**Tatargina** BUTLER, 1877; Trans. Ent. Soc. London 1877: 366.

Type species: *Deiopeia picta* WALKER, [1865] 1864, by original designation (the genus was revised by DUBATOLOV, 2006b).

**Tatargina picta** (WALKER, [1865] 1864); List Spec. lep. Ins. Colln. Br. Mus. 31: 263-264 (*Deiopeia*). Type locality: "Moulmeine" [Burma (Myanmar): Moulmein]. Lectotype designated by BUTLER (1877b: 366), by fixation of the type locality.

= *Tatargina formosa* BUTLER, 1877; Trans. Ent. Soc. London 1877: 366. Type locality: "South China" [this is a syntype of *picta*].

= *Pericallia picta* ab. *lutea* ROTHSCCHILD, 1914; Gross-Schmett. Erde 10: 255. Type locality: not stated.

= *P[ericallia] picta lutea* FANG, 1985; Economic Insect Fauna of China 33: 72, t. 7, f. 108b (*lutea*). Type locality: "[Yunnan Dongchuan]". China: Yunnan, Guangxi, Hainan; Burma (Myanmar); Thailand; Vietnam; Cambodja. Only old records from Taiwan (MATSUMURA, 1930b) and Japan: Ryukyu Is. (MIYAKE, 1909), but there are no modern specimens from these localities.

Subgenus **Hindargina** DUBATOLOV, 2006; Atalanta 37 (1/2): 208.

Type species: *Aloa sipahi* MOORE, 1872, by original designation.

**Tatargina (Hindargina?) ceylonensis** (HAMPSON, 1901); Cat. Lep. Phal. Colln. Br. Mus. 3: 347-348, t. 47, f. 9 (*Estigmene*) Type locality: "CEYLON, Hambantota" [Sri Lanka].

**Tatargina (Hindargina) pannosa** (MOORE, 1879); Proc. Zool. Soc. London 1879: 397, t. 32, f. 8 (*Rajendra pannosa*). Type locality: "Dharmasala (N.W.Himalayas)" [India: Himachal Pradesh]. India: Himachal Pradesh, Uttar Pradesh; Nepal.

**Tatargina (Hindargina) sipahi** (MOORE, 1872); Proc. Zool. Soc. London 1872: 573 (*Aloa sipahi*). Type locality: "...; Deccan ..." [India]. Lectotype designated by DUBATOLOV (2006b: 208-209). India: Maharastra, Tamil Nadu.

**Murzinarctia** DUBATOLOV, 2005; Atalanta 36 (3/4) 527.

Type species: *Murzinarctia murzini* DUBATOLOV, 2005, by original designation.

**Murzinarctia murzini** DUBATOLOV, 2005; Atalanta 36 (3/4): 527-528, fig. 2, col. pl. 13, fig. 2. Type locality: "China, NE Yunnan, Tiger Laping Gorge, Upper Chang Jiang (Jinsha Jiang), 1900 m". China: Yunnan.

**Andala** WALKER, 1855, List. Spec. lep. Ins. Colln. Br. Mus. 3: 774.

Type species: *Andala unifascia* WALKER, 1855, by a monotypy.

**Andala unifascia** Walker, 1855; List. Spec. lep. Ins. Colln. Br. Mus. 3: 774. Type locality: „East Indies“. Lectotype designated from „India“ by SWINHOE (1892: 181).

= *Alphaea varia* WALKER, 1864; List. Spec. lep. Ins. Colln. Br. Mus. 31: 297. Type locality: "Mussorie" [India: Uttar Pradesh].

=*Spilosoma poswali* NARGIS VIQAR, 2004 **syn. nov.**; Biodiversity and morpho-taxonomic studies of the family Arctiidae (Lepidoptera) from Pakistan with cladistic analysis. PhD theses: 365-371, figs 309-317 [unpublished]. Type locality: "Pakistan: Donga gali". Northern Pakistan; India: North-West Himalayas.

***Chionarctia* KÓDA, 1988, Tyô to Ga 39 (1): 54-58.**

Type species: *Dionychoopus nivea* MÉNÉTRIÈS, 1859, by original designation.

=*Gigantospilosoma* Dubatolov, 1990; Таксономия насекомых и гельминтов [Taxonomy of insects and helminths. Novosibirsk: 95-96. Type species: *Dionychoopus niveum* MÉNÉTRIÈS, [1858] 1859, by original designation.

***Chionarctia nivea* (MÉNÉTRIÈS, [26 août 1858] 1859);** Bull. phys.-math. Acad. Sci. St. Petersburg. **17** (14): 218 (*Dionychoopus niveus*). Type locality: "Des rives méridionales de l'Amour" [oberhalb der Ema] (BREMER, 1864: 40); now - upstreams from Dalnerechensk along the Bolshaya Ussurka river, Primorskiï Kraï, Russia. Lectotype designated by DUBATOLOV (1996a: 340).

Far Eastern Russia: Amur Province, Jewish Autonomous Region, south part of Khabarovsk Province north to Tsimmermanovka, Primorye; South Sakhalin, South Kuriles (Kunashir); China (Dunbei, Hebei, Nei Mongol, Shaanxi, Henan, Shangdong, Zhejiang, Fujian, Jiangxi, Hubei, Hunan, Guangxi, Guizhou, Sichuan, Yunnan); Korea; Japan (Hokkaido, Honshu, Shikoku, Kyushu, Tsushima) (Map 115).

***Chionarctia pura* (LEECH, 1899);** Trans. Ent. Soc. London **1899**: 151 (*Spilosoma purum*). Type locality: "Omei-Shan, Chia-kou-ho, and in the province of Kwei-chou" [China: Sichuan]. China: Sichuan, Yunnan, Guizhou, Shaanxi (Map 116).

***Nebrarctia* WATSON, 1980, Generic Names Moths World 2: 122,** replacement name for *Spilarctia* STAUDINGER, 1891.

=*Spilarctia* STAUDINGER, 1891, Dt. Ent. Z. Iris **4**: 161, 162. Type species: *Arctia semiramis* STAUDINGER, 1891, by monotypy.

***Nebrarctia guttata* (ERSCHOFF, 1874);** Путешествие в Туркестан [Reise in Turkestan] **2**: 32, t. 2, f. 28 (*Arctia*). Type locality: "in valle Sarafschan prope Urgut ... по окраине гор близ Ургута" [Uzbekistan: Samarkand province]. Western Alai-Pamirs Mts: Zerafshan and Hissar ranges within Uzbekistan and Tadzhikistan (Map 117). Records from East Afghanistan might be based on incorrect determinations.

***Nebrarctia hunza* (DE FREINA, 1997);** Linn. Belg. **16** (1): 56, pl. 1, fig. 19-21 (*Spilarctia hunza*). Type locality: "N. Pakistan, 2 km au N. de Karimabad, 2900 m d'alt." [Pakistan: Azad Kashmir]. Northern Pakistan (Map 117).

***Nebrarctia semiramis* (STAUDINGER, 1891 [1892a]);** Dt. Ent. Z. Iris **4**: 161-162, 251, Taf. 3, fig. 4 (*Arctia (Spilarctia) semiramis*). Type locality: "südlichen Kleinasien, ich glaube bei Egin" [Turkey].

=*Lacydes semiramis brandti* DANIEL, 1949; Mitt. Münch. Ent. Ges. **35-39**: 235-236, Taf. 8, fig. 3. Type locality: "Iran, Fars, Straße Chiraz-Kezeroun, Fort Sinesefid, ca. 2200 m". Southern and eastern regions of Turkey; Iraq; Iran (Map 117).

***N. semiramis elbursi* (DANIEL, 1937) [15.02.1937];** Mitt. Münch. Ent. Ges. **27**: 37-3 (*Lacydes elbursi*). Type locality: "Persia s.; Elburz mts. s.; Tacht i Suleiman; Hecarcâl-Tal; 28-3200 m" [Iran].

=*Lacydes (Arctia) ninyas* WAGNER, 1937 [15.03.1937]; Z. Öst. Ent. Ver. Wien **22**: 22-23, t. 1, fig. 2. Type locality: "Ostflanke des Demavend ... in etwa 2700 m" [Iran]. Northern Iran (Alburz Mts.).

***Nebrarctia transversa* (MOORE, 1879);** Proc. Zool. Soc. Lond. **1879**: 398 (*Cycnia*). Type locality: "N.W. India" [Pakistan].

Tadzhikistan: Peter I Range, western Pamir; eastern Afghanistan; north-western Pakistan (Map 117).

***N. transversa puella* (STAUDINGER, 1887) **stat. nov.**;** Stettin. Ent. Z. **48** (1-3): 85-86 (*Spilosoma Puella*). Type locality: "Margelan" [Uzbekistan or Kyrgyzstan]. Tadzhikistan: Peter I Range, western Pamir; probably Alai Range within Uzbekistan and Tadzhikistan.

***N. transversa vartianae* DANIEL, 1965 **stat. rev.**;** Z. Wien. Ent. Ges. **50**: 125-126, t. 15, f. 4, 5, 7 (*Alphaea puella vartianae*). Type locality: "Afghanistan, Nuristan, 25 km N v. Barikot, 1800 m". Eastern Afghanistan.

***Nebrarctia wiltshirei* (DE TOULGOET, 1962);** Bull. Soc. ent. France **67**: 129-130, fig. (*Spilosoma wiltshirei*). Type locality: "Kashmir, Tragbal, 3.300 m (10.000 feet)" [India: Jammu and Kashmir]. India: Kashmir (Map 117).

***Epatolmis* BUTLER, 1877b, Trans. Ent. Soc. London **1877**: 348.**

Type species: *Atolmis japonica* WALKER, [1865] 1864, by original designation.

***Epatolmis caesarea* (GOEZE, 1781);** Ent. Beyträge **3** (3): 63 (*Phalaena Bombyx caesarea*). Type locality: not stated [Europe].

=*Phalaena B.[ombyx] luctifera* [DENIS & SCHIFFERMÜLLER], 1775, nomen nudum; Ankündigung syst. Werkes Schmett. Wienergegend: 54. Type locality: "Wienergegend" [Austria].

=*Phalaena luctifera* ESPER, 1784; Schmett. in Abbildungen nach der Natur **3**: 222-224, t. 43, f. 1-5. Type locality: "Wiener" [Austria].

=*Bombyx morio* SCHRANK, 1802; Fauna Boica **2** (1): 250-251. Type locality: "Bey Gern und München" [Germany: Bavaria].

=*Atolmis japonica* WALKER, [1865] 1864; List Spec. lep. Ins. Colln. Br. Mus. **31**: 223. Type locality: "Japan".

=*Estigmene moerens* BUTLER, 1885; Cist. ent. **3** (29): 114. Type locality: "Yokohama" [Japan: Honshu].

West Europe: north-western Spain, central and southern France, southern Germany, Austria, Czechia, Slovakia, south to northern Italy and north-western Balkans (Croatia, Albania); Baltia; Belarus; Ukraine; Moldova; European Russia north to Luga and Vyatka, south to Azov sea, Saratov and Bashkiria; Transcaucasia: Georgia (Borzhom), Azerbaijan (Gyandja); Turkey; Asian Russia: southern part of West Siberia (Tobolsk, Barnaul), Altai, Khakasia, Minusinsk, Tuva, southern part of Baikal Region, Transbaikalia; Mongolia; Far East Russia: southern regions of Amur Province, Jewish Autonomous Region, southern regions of Khabarovsk Province (north to Kiselevka), Primorye; China (Dunbei, Nei Mongol, Hebei, Shangdong, Shanxi, Shaanxi, Jiangsu, Jiangsi, Henan, Hunan, Sichuan, Yunnan); Korea; Japan (Honshu, Shikoku, Kyushu) (Maps 118-119).

*Cretonotos* HÜBNER, [1819] 1816; Verz. bekannter Schmett.: 170. Type species: *Phalaena interrupta* LINNAEUS, 1767, by subsequent designation by KIRBY, 1892, Syn. Cat. Lepid. Het. 1: 241. Note: the nominotypical subgenus is now under a revision by DUBATOLOV & HAYNES, including geographical differences in the *C. gangis-interrupta* complex.

*Cretonotos albidior* WILTSHIRE, 1986; Fauna Saudi Arabia 8: 291, f. 91, 30. Type locality: "Saudi Arabia, Taif".

*Cretonotos fasciatus* (CANDÈZE, 1927); Encyc. ent. B. III Lep. 2: 78 (*Cretonotus*). Type locality: "Cambodge" [Cambodja].

*Cretonotos gangis* (LINNAEUS, 1763); Centuria Insectorum Rariorum: 27; LINNAEUS (1763), Amoenitates Acad. 6: 410-411 (*Phalaena*). Type locality: "Java" [Indonesia]. (Specimens from East Indonesia, New Guinea, North Australia, Philippines are now under revision.)

*Cretonotos interrupta* (LINNAEUS, 1767); Syst. Nat. (Edn. 12) 1 (2): 840 (*Phalaena Noctua interrupta*). Type locality: not stated [probably India or China]. Lectotype designated by MIKKOLA & HONEY (1993: 134).

= *B.[ombyx]* ... *Francisca* FABRICIUS, 1787; Mant. Ins. 2: 131. Type locality: "Coromandel" [India].

= *Cretonotus continuatus* MOORE, 1877; Ann. Mag. Nat. Hist. (4) 20: 344. Type locality: "Ceylon" [Sri Lanka].

Pakistan; Sri Lanka; Bangladesh; India; Nepal; Bhutan; Burma (Myanmar); Indochina; China: Tibet, Yunnan, Sichuan, Guangdong, Guangxi, Hunan, Hubei, Jiangxi, Jiangsu, Liaonin, Zhejiang, Fujian; Taiwan; Japan (Kyushu, Okinawa, Ishigaki).

Note: The specific status is accepted, following Indian lepidopterologists.

*Cretonotos leucanioides* HOLLAND, 1893; Psyche 6: 397. Type locality: ["West African ... Valley of the Ogové River"].

Southern and western Arabia; Africa: Gambia, Guinea, Sierra-Leone, Nigeria, Cameroon.

= *Ceratonotos albidior* WILTSHIRE, 1986, Fauna Saudi Arabia 8: 291, f. 91, 30. Type locality: „Saudi Arabia, Taif“. Southern and western Arabia; Africa: Gambia, Sierra Leone, Nigeria, Cameroon (synonymy proved by DE FREINA, 2010)

*Cretonotos omanirana* DE FREINA, 2007; Nota Lep. 30 (2): 376-379, figs. 1-9. Type locality: "N-Oman, Westl. Hajar-Gebirge, ca. 45 km SSW Barka, Oase (Wadi) Abyadah, ca. 150-300 m".

Eastern Arabia (UAE, Oman); southern Iran (Hormozgan, southern Kerman, Baloutchestan).

Subgenus *Phissama* MOORE, [1860] 1858-9; Cat. lep. Ins. Mus. nat. Hist. East-India House 23: 362, replacement name for *Amphissa* WALKER, 1855.

= *Amphissa* WALKER, 1855; List Spec. lep. Ins. Colln. Br. Mus. 3: 684. Type species: *Amphissa vacillans* WALKER, 1865, by monotypy, nec ADAMS & ADAMS (1853), Genera recent Mollusca 1: 111 (Mollusca) (the subgenus was revised by DUBATOLOV & HOLLOWAY, 2006).

*Cretonotos (Phissama) transiens* (WALKER, 1855); List Spec. lep. Ins. Colln. Br. Mus. 3: 675 (*Spilosoma*). Type locality: "North India, Almorah" [India: Uttar Pradesh]. Lectotype designated by DUBATOLOV & HOLLOWAY (2006: 116).

= *Aloa isabellina* WALKER, 1855; List Spec. lep. Ins. Colln. Br. Mus. 3: 705-706. Type locality: "Silhet" [Bangladesh]. Lectotype designated by DUBATOLOV & HOLLOWAY (2006: 117).

= *Cretonotos ananthakrishnani* KIRTI & KALEKA, 1999; Entomon 24 (2): 137-140, fig. 1-11. Type locality: "Uttar Pradesh: Mus-sorrie" [India].

East Afghanistan; Pakistan; Sri Lanka; Bangladesh; India; Nepal; Bhutan; Burma (Myanmar); China (southern and eastern Tibet, Sichuan, Yunnan, Guangdong, Hainan, Guizhou, Guangxi, Jiangxi, Fujian, Hunan, Hubei, Zhejiang, Jiangsu, Henan, Anhui, Shangdong, Shaanxi, Shanxi, Heilongjiang); Taiwan; Japan (Ryukyu); Indochina; Malay Peninsula; Sundaland (Map 120). The nominotypical subspecies is distributed in Pakistan and India.

*C. (Phissama) transiens albina* (DANIEL, 1971); Ann. Naturh. Mus. Wien 75: 654, t. 1, fig. 5 (*Phissana transiens albina*). Type locality: "[O-Afghanistan] ... Sarobi" [Paktika: Sarowbi]. Eastern Afghanistan: Paktika, Nangarhar, Nuristan, Badakhshan.

*C. (Phissama) transiens koni* MIYAKE, 1909; Bull. Coll. Agric. Univ. Tokyo 8 (2): 169 (*Cretonotus Koni*). Type locality: "Mt. Arisan in Formosa" [Taiwan]. Taiwan; Japan (Kyushu (?), Yaku, Amami, Okinoerabu, Okinawa, Miyako, Ishigaki, Iriomote, Yonagumi).

*C. (Phissama) transiens sundana* NAKAMURA, 1976; Tyô to Ga 27 (3): 116, fig. 1 (2), 3 (4). Type locality: "Mégamenden, Java" [Indonesia]. Indonesia: Siberut, Java, Bali east to Lombok.

*C. (Phissama) transiens vacillans* (WALKER, 1855); List Spec. lep. Ins. Colln. Br. Mus. 3: 685 (*Amphissa vacillans*). Type locality: "Hong Kong" [China].

= *Cretonotos transiens orientalis* NAKAMURA, 1976, Tyô to Ga 27 (3): 116, fig. 1 (3), 3 (5). Type locality: "Fang, Thai" [Thailand]. China (southern and eastern Tibet, Sichuan, Yunnan, Guangdong, Hainan, Guizhou, Guangxi, Jiangxi, Fujian, Hunan, Hubei, Zhejiang, Jiangsu, Henan, Anhui, Shangdong, Shaanxi, Shanxi, Heilongjiang); Indochina; Malay Peninsula; Sundaland: Sumatra, Borneo.

*Cretonotos (Phissama) wilemani* (ROTHSCHILD, 1933); Ann. Mag. Nat. Hist. (10) 11: 183-184 (*Cretonotus wilemani*). Type locality: "Palali, 2000 ft., Benguet, Klondyke, 800 ft., Benguet, Luzon, ..., Kolambugan, Lanao Plains, Mindanao, ...; Luzon..." [Philippines].

= *Cretonotos philippinensis* NAKAMURA, 1976; Tyô to Ga 27 (3): 113-114, fig. 1 (4), 3 (6). Type locality: "Subasta, Mindanao Is." [Philippines]. Philippines (from Luzon to Mindanao) (Map 120).

*Cladarctia* KÔDA, 1988; Tyô to Ga 39 (1): 45-47.

Type species: *Euprepia quadriramosa* KOLLAR, [1844], by original designation.

*Cladarctia quadriramosa* (KOLLAR, [1844]); Kaschmir 4 (2): 468 (EUPREPIA). Type locality: "Himaleya" [India or Pakistan].

= *Cladarctia goodgeri* KALEKA, 1999; Zoos' Print J. 14 (8): 79-81, fig. 10, 11-19 (gen.). Type locality: "Himachal Pradesh, Narkanda, 2700 m" [India].

= *Cladarctia quadrispiculatus* KALEKA, 1999; Zoos' Print J. 14 (8): 77-79, fig. 1, 2-9 (gen.). Type locality: "Himachal Pradesh, Kalpa, 3000 m" [India].

Northern Pakistan; India: Kashmir, Himachal Pradesh, Uttar Pradesh, Sikkim, Assam, Nagaland; Nepal; China: southern Tibet (Map 121).

**Olepa** WATSON, 1980; Generic Names Moths World 2: 133. Replacement name for *Alope* WALKER, 1855.

=*Alope* WALKER, 1855; List Spec. lep. Ins. Colln. Br. Mus. 3: 619; nec WHITE, 1847 April, List Crust. Colln Br. Mus. 1: 75 (Crustacea). Type species: *Alope ocellifera* WALKER, 1855, by subsequent designation by KIRBY, 1892; Syn. Cat. Lep. Het. 1: 247 (the genus was revised by ORHANT, 1986, 2000).

*Olepa anomi* ORHANT, 1986; Bull. Soc. Sci. Nat. 50: 11, pl. 1: fig. 15, 16, pl. 9: fig. 69, pl. 4: fig. 30, pl. 6: fig. 50a. Type locality: "Sri-Lanka: Kandy".

*Olepa clavatus* (SWINHOE, 1885); Proc. Zool. Soc. London 1885: 295 (*Alope clavatus*). Type locality: "Bombay". Lectotype designated as a type by HAMPSON (1901: 351). Southern India.

*Olepa duboisi* ORHANT, 1986; Bull. Soc. Sci. Nat. 50: 11, pl. 2: fig. 17-19, pl. 9: fig. 70, 73, pl. 4: fig. 29, pl. 5: fig. 36-38, pl. 6: fig. 44, pl. 7: fig. 53, pl. 8: fig. 57-59, 62. Type locality: "Sri-Lanka, Nilaveli".

*Olepa kakatii* ORHANT, 2000; Lambillionea 100 (2): 269, fig. 1-7. Type locality "N.E. Inde, Assam, Guwahati, 55 m" [India, Assam].

*Olepa koslandana* ORHANT, 1986; Bull. Soc. Sci. Nat. 50: 12, pl. 1: fig. 11-14, pl. 9: fig. 71, 74, pl. 4: fig. 32, pl. 6: fig. 49, pl. 7: fig. 54. Type locality: "Sri-Lanka: Koslanda".

*Olepa ocellifera* (WALKER, 1855); List Spec. lep. Ins. Colln. Br. Mus. 3: 620 (*Alope ocellifera*). Type locality: "Ceylon" [Sri Lanka]. Lectotype designated by Orhant, 1986: 11. India; Bangladesh; Sri Lanka.

*Olepa ricini* (FABRICIUS, 1775); Syst. Ent.: 583 (*B.[ombyx] ... Ricini*). Type locality: "Indiae orientalis ricino" [India]. =*Bombyx ... Zerah* STOLL, 1782; Pap. Exot. 4: 227, t. 397, f. G. Type locality: "Surinamen ... Suriname", this locality is not correct. Northern Pakistan; India; Bangladesh (Silhet); Nepal.

*Olepa schleiwi* WITT, MÜLLER, KRAVCHENKO, MILLER, HAUSMANN & SPEIDEL, 2005; NachrBl. Bayer. Ent. 54 (3/4): 102-110, pl. 1, fig. 1-4, 11, pl. 2, fig. 12-17, pl. 5, fig. 25-27. Type locality: "Israel, Tel Aviv North, 50 m". Note: the species might be a vagrant in Israel.

*Olepa toulgoeti* ORHANT, 1986; Bull. Soc. Sci. Nat. 50: 13, pl. 2: fig. 20, pl. 9: fig. 65, 68, pl. 3: fig. 26, pl. 6: fig. 50b. Type locality: "Inde: Nilgiri Hills, Devala (3200 feet)" [Southern India].

**Creataloum** DUBATOLOV, 2004; Atalanta 35 (1/2): 80-81.

Type species: *Spilosoma arabicum* HAMPSON, 1896, by original designation.

*Creataloum arabicum* (HAMPSON, 1896); Proc. Zool. Soc. London 1896: 258, t. 10, fig. 25 (*Spilosoma arabicum*). Type locality: "Aden" [Yemen].

=*Spilosoma gracilis* STAUDINGER, 1899; Dt. Ent. Z. Iris 12: 354, t. 5, fig. 13. Type locality: "bei Engeddi, am Westufer des Todten Meers" [Israel]. Near East: Israel; Arabia; southern Iraq; southern Iran; Egypt (Sinai) (Map 122).

**Amsactoides** MATSUMURA, 1927; J. Coll. Agric. Hokkaido imp. Univ. 19 (1): 53.

Type species: *Cretonotus formosae* STRAND, 1915, by original designation.

*Amsactoides guangxica* DUBATOLOV & KISHIDA, 2009; Tinea 20 (5): 272, figs 4-8, fig. Gen. 10, 11b. Type locality "China, Guangxi, Quilin, Maoershan, 500 m".

China: Guangxi, Hongkong, probably also Guangdong, Hainan, Guangxi, Hunan, Fujian; northern Vietnam (Map 123).

*Amsactoides solitaria* (WILEMAN, 1910); Entomologist 43: 245 (*Diacrisia*). Type locality: "Kanshirei (1000 ft.)" [Taiwan].

=*Cretonotus formosae* STRAND, 1915; Ent. Mitt. 4 (1/3): 13-14. Type locality "Kankau (Koshun)" [Taiwan] (Map 123).

**Hyphantria** HARRIS, 1841; Rep. Insects Mass. injurious to Veg: 255.

Type species: *Hyphantria textor* HARRIS, 1841, by subsequent designation by KIRBY (1892), Syn. Cat. Lep. Het. 1: 234.

*Hyphantria cunea* (DRURY, 1773); Illust. nat. Hist. exot. Ins. 2: index to vol. 1; 1770, ibidem 1: 36, pl. 18, fig. 4 (*Phalaena cunea*). Type locality: "from New York" [USA].

=*Arctia textor* HARRIS, 1828; New England Farmer 7 (5): 33-34. Type locality: "Milton" [USA: Massachusetts].

=*Hyphantria textor* HARRIS, 1841; Rep. Insects Mass. injurious to Veg: 255. Type locality: "Massachusetts" [Milton] [USA].

West Europe: south-western France, southern Italy, Balkans, Central Europe north to southern Germany, eastern Austria and southern Slovakia; Lithuania; Ukraine, Crimea; Moldova; European Russia: Vladimir Province, Marii El Republic, Voronezh, Samara, Saratov, Volgograd, Astrakhan, Rostov Provinces, Kalmykia, North Caucasus (Krasnodar Province, Ingushetia, Daghestan); Transcaucasia (Georgia, Azerbaijan); northern Turkey; northern Iran; Turkmenistan (from 1990-1993); Uzbekistan (Fergana valley from 1996-1997); Kyrgyzstan; South-East Kazakhstan; South Mongolia (Dörmodgov' aimak); Asian Russia (South Primorye: the focus in Nakhodka was eliminated); north-eastern China (Liaonin, Nei Mongol, Shanxi, Shangdong, and some other provinces); Japan (Honshu, Shikoku, Kyushu) (Map 124). Original distribution was restricted to North America (southern Canada, USA, northern Mexico).

**Hyarias** SWINHOE, 1892; Cat. east. Aust. Lepid. Het. Colln Oxf. Univ. Mus. 1: 184.

Type species: *Spilosoma metarhoda* WALKER, 1856, by original designation.

*Hyarias metarhoda* (WALKER, 1856); List Spec. lep. Ins. Colln Br. Mus. 7: 1695 (*Spilosoma metarhoda*). Type locality "Manilla" [Philippines].

*Diaphora* STEPHENS, 1827, in Anonymous, Retrospective Review (2) 1: 244.

Type species: *Phalaena mendica* CLERCK, 1759, by monotypy.

*Diaphora luctuosa* (HÜBNER, [1830/31]); Samml. Europ. Schmett. 3 Bombyces: [T. 80], fig. 338, 339 (*Bombyx sordida*). Type locality: [Europe]. = *Arctia lugubris* HERRICH-SCHÄFFER, 1844; System. Bearb. Schmett. Europa 2: t. 6, f. 29, 30. Type locality: "Aus Südeuropa, Sicilien, Türkei" (HERRICH-SCHÄFFER, 1847).

= *Spilosoma luctuosa djamilia* SCHAWERDA, 1910, Verh. zool.-bot. Ges. Wien 60: [(91)]-(93). Type locality: "Wege von Gacko (Herzegovina) nach Černomo (dem höchsten österreichischen Fort an der montenegrinischen Grenze, 1300 m)" [Bosnia and Herzegovina]. West Europe from south-eastern Austria, western Hungary, Czechia to Croatia, Bosnia and Albania; ?northern Greece.

*Diaphora mendica* (CLERCK, 1759); Icon. Ins. rariorum 1: pl. 3, fig. 5 (*Phalaena mendica*). Type locality: Not stated [Europe] (WATSON et al., 1980).

= *Phalena murina* HUFNAGEL, 1766; Berl. Mag. 2 (4): 424. Type locality: [Berlin, Germany].

= *Phalaena punctata* GEOFFROY, 1785; Ent. Paris 2: 270. Type locality: "[Agro Parisiensis]" [France: Paris rural suburbs].

= *Ph.[alae]na Bomb.[us] Rustica* HÜBNER, 1790; Beitr. Gesch. Schmett. 2 (3): 64-65, t. 2, f. H, (4): 125. Type locality: Not stated, probably Augsburg vic. [Germany].

= *Diaphora mendica malatiana* BYTINSKY-SALZ, 1936; Ent. Rec. J. Var. 48 (9): 2 (suppl.). Type locality "Malatia Tecde" [Turkey].

= [*Cycnia mandica*] f. *pallida* LEMPKE, 1961; Tijdschr. Ent 104: 141. Type locality: "Doetinchem" [Netherlands].

West Europe north to southern Scandinavia (excluding northern Ireland, northern Scotland, southern regions of Iberian peninsula and Peloponnes); Baltia; Belarus; Ukraine, Crimea; European Russia north to Karelia and southern Komi, North Caucasus; Transcaucasia; Turkey; Syria; Lebanon; northern Iran; northern Kazakhstan; Siberian Russia north to Tobolsk, Tomsk, Angara River, south-western Baikal (Map 125). Nominotypical subspecies is distributed from Europe and Asia minor to Siberia.

*D. mendica hibernica* (OBERTHÜR, 1911a); Ét. Lep. comp. 5 (1): 53 ([*Spilosoma Mendica*] *Hibernica*). Type locality: "irlandaise" [Ireland].

= *Diaphora mendica* form *venosa* ADKIN, 1922; Entomologist 55: 79, fig. Type locality: "in the lowlands of County Tyrone, Ireland". West Europe: Ireland, Great Britain. Note: This subspecies shows no differences from the nominotypical one in the wing pattern, but the ♂ genitalia are different: The apical valva processus in specimens from Great Britain is noticeably longer. Unfortunately, I could not obtain any specimen from Ireland for dissection.

*D. mendica syra* DANIEL, 1933; Dt. Ent. Z. Iris 47: 102. Type locality: "B[e]charré" [Lebanon].

*Diaphora sordida* (HÜBNER, [1800-03]); Samml. Europ. Schmett. Lep. 3, Bomb.: t. 34, f. 151 (*Bombyx sordida*). Type locality: not stated, probably Augsburg vic. [Germany].

= *Bomb[us] carbonis* FREYER, 1854; Neue Beitr. 7: 74, t. 642, f. 4. Type locality: "... aus der Schweiz mit, wo er bei Lage aus Blumen flog" [Switzerland].

West Europe: East Pyrennes, southern France, Alps in south-eastern France, Switzerland, Austria; northern Italy, central Italy.

*Murzinowatsonia* DUBATOLOV, 2003; Tinea 17 (5): 255, 259.

Type species: *Arctia x-album* OBERTHÜR, 1911, by original designation.

*Murzinowatsonia x-album* (OBERTHÜR, 1911); Et. Léop. comp. 5 (1): 335, t. 82, fig. 767 (*Arctia X Album*). Type locality: "Tâ-tsién-Lou" [China: Sichuan]. China: Sichuan, northern Yunnan (Map 126).

*Eospilarctia* KÔDA, 1988, Tyô to ga 39 (1): 39-45.

Type species: *Seiarctia lewisii* BUTLER, 1885, by original designation.

*Eospilarctia chuanxina* (FANG, 1982); Acta Ent. Sinica 25 (2): 201, 203, f. 2 (*Spilarctia*). Type locality: "Sichuan (Kangding)" [China]. China: Sichuan (Map 127).

*Eospilarctia fangchenglaiae* DUBATOLOV, KISHIDA & WANG, 2008; Tinea 20 (3): 134-135, figs 1-2, 15-16(gen.). Type locality: "Vietnam, Cao Bang, Mt. Pia Oac, h=1700 m". Northern Vietnam (Lao cai, Cao Bang); China: Sichuan, Yunnan, Guangdong; other material from China: Zhejiang, Jiangxi, Hubei, Hunan, Shaanxi, needs in modern revision).

*Eospilarctia formosana* (ROTHSCHILD, 1933); Ann. Mag. Nat. Hist. (10) 11: 175 (*Spilosoma lewisi formosana*). Type locality: "Rantaisan, ..., Arizan" [Taiwan].

*Eospilarctia huangshanensis* Fang, 2000; Fauna Sinica 19: 413, 543, pl. 7, fig. 5, fig. 295 (gen.). Type locality: "Anhui, Huangshan" [China] (Map 127).

*Eospilarctia lewisii* (BUTLER, 1885); Cistula Ent. 3(29): 115 (*Seiarctia lewisii*). Type locality: "Japan". Japan (Honshu, Shikoku, Kyushu, Tsushima); probably also China (Zhejiang, Jiangxi, Shaanxi, Sichuan, Yunnan), but the Chinese materials need in a new revision.

*Eospilarctia nehallenia* (OBERTHÜR, 1911); Et. Léop. comp. 5 (1): 337, t. 83, fig. 786 (*Diacrisia*). Type locality: "Tâ-tsién-Lou" [China: Sichuan]. China: Sichuan, Yunnan, Shaanxi; Taiwan (Map 127). The nominotypical subspecies is distributed in the continental China.

*E. nehallenia baibarensis* (MATSUMURA, 1930); Ins. Matsum. 5: 34, t. 1, fig. 8 (*Diacrisia lewisi* BUTL. f. *baibarensis*). Type locality: "Formosa; ... at Baibara near Horisha" [Taiwan].

*Eospilarctia neurographa* (HAMPSON, 1909); Ann. Mag. Nat. Hist. (8) 4: 360-361 (*Diacrisia*). Type locality: "... FORMOSA, Kagi Distr.". Lectotype (as a type) designated by HAMPSON (1920: 400). Taiwan.

*Eospilarctia pauper* (OBERTHÜR, 1911); Et. Léop. comp. 5 (1): 335, t. 82, f. 769 (*Arctia Pauper*). Type locality: "Siao-Lou" [China: Sichuan].

Sichuan]. China: Sichuan, Yunnan, Hubei (Map 127).

*Eospilarctia taliensis* (ROTHSCHILD, 1933); Ann. Mag. Nat. Hist. (10) **11**: 175 (*Spilosoma lewisi taliensis*). Type locality: “Tali Haut, Yunnan” [China].

=*Spilarctia jordansi* DANIEL, 1943; Mitt. Münch. Ent. Ges. **33** (2/3): 725, t. 21, fig. 8, 9. Type locality: “Li-kiang (Nord-Yuennan)” [China]. China: Yunnan, Sichuan (?), Shaanxi (Map 127).

Subgenus *Pareospilarctia* DUBATOLOV & KISHIDA, 2008; Tinea **20** (3): 135, 137.

Type species: *Spilarctia yuennanica* DANIEL, 1943, by original designation.

*Eospilarctia (Pareospilarctia) yuennanica* (DANIEL, 1943); Mitt. Münch. Ent. Ges. **33** (2/3): 727-728, t. 21, fig. 12 (*Spilarctia yuennanica*). Type locality: “Li-kiang (Nord Yuennan)” [China].

China: Sichuan, Yunnan, Guangdong (Map 127). The nominotypical subspecies is distributed in Sichuan and Yunnan.

*E. (Pareospilarctia) yuennanica guangdonga* DUBATOLOV, KISHIDA & WANG, 2008; Tinea **20** (3): 138, fig. 7, 21(gen.). Type locality: “China, Guangdong, Shaoguan, Nanling”. China: Guangdong.

*Spilosoma* CURTIS, 1825, Br. Ent. **2**: 92, pl. 92.

Type species: *Bombyx menthastris* [DENIS & SCHIFFERMÜLLER], 1775, by original designation.

=*Spilosoma* STEPHENS, 1827, in: Anonymous, Retrospective Review (2) **1**: 242. Type species: *Phalaena lubricipeda* LINNAEUS, 1758, by monotypy.

#### *Spilosoma lubricipedum* species group

*Spilosoma extremum* DANIEL, 1943; Mitt. Münch. Ent. Ges. **33** (2/3): 731-732, Ab. 26 (*Spilosoma menthastris extrema*). Type locality: “Li-kiang” [China: Yunnan]. Note: The taxon was raised to specific status by FANG, 2000.

*Spilosoma fujianense* FANG, 1981; Acta Zootax. Sinica **6** (1): 98. Type locality: “Fujian (Jianyang)” [China]. China: Fujian.

*Spilosoma likiangense* DANIEL, 1943; Mitt. Münch. Ent. Ges. **33** (2/3): 739, Ab. 33, t. 20, fig. 16 (*Spilosoma likiangensis*). Type locality: “Li-kiang (Nord-Yuennan)” [China]. China: Yunnan, Guangxi.

*Spilosoma lubricipedum* (LINNAEUS, 1758); Syst. Nat. (Edn. 10) **1**: 505-506 (*Phalaena Bombyx lubricipeda*). Type locality: Not stated, probably Europe. Lectotype designated by MIKKOLA & HONEY (1993: 138).

=*B.[ombyx] menthastris* [DENIS & SCHIFFERMÜLLER], 1775, nomen nudum; Ankündigung syst. Werkes Schmett. Wienergegend: 54. Type locality: “Wienergegend” [Austria].

=*Ph.[alaena] Lepus* RETZIUS, 1783; Gen. Spec. Ins.: 37. Type locality: not stated [Europe].

=*Phalaen.[a] Bomb.[yx] Menthastris* ESPER, 1786; Schmett. Abb. Natur **4**: 334-335, t. 66, f. 6-10. Type locality: “Wiener” [Austria].

=*B.[ombyx] mendica* ROSSIIUS, 1790; Faun. Etrusc. **2**: 174. Type locality: “[Etrusca ... provinciis florentina et pisana]” [Italy: Toscana].

=*[Phalaena Bombyx] Erminea* MARSHAM, 1791; Tr. Linn. Soc. **1**: 70-71, t. 1, fig. 1. Type locality: “Habitat in arboribus pomiferis, urticâ, atriplici, qurcu.” [England].

=*Chelonia luxerii* GODART, 1822 [1823]; Hist. Nat. Lep. Fr. **4**: 360-361, pl. 37, fig. 4. Type locality: “Nancy” [France: Meurthe et Moselle].

=*Spilosoma walkerii* CURTIS, 1825, Brit. Ent. **2**: 92. Type locality: “in ... house at Drumseugh, Edinburgh” [Great Britain: Scotland].

=*Diacrisia menthastris chishimana* MATSUMURA, 1929; Ins. Matsum. **3**: 167. Type locality: “Kuriles ... Tomari” [Russia: Kuriles: Kunashir: Golovnino].

=*Diacrisia mashuensis* MATSUMURA, 1930; Ins. Matsum. **5**: 34, t. 1, fig. 1. Type locality: “Hokkaido ... Lake Mashu in the Prov. Kushiro” [Japan].

=*Spilosoma menthastris elegans* BRYK, 1948 [1949]; Ark. Zool. **41** A (1): 43. Type locality: “Shuotsu” [North Korea].

=*S.[pilosoma] menthastris sotiriadis* KOUTSAFTIKIS, 1973; Ann. Mus. Goulandris **1**: 224, t. 32, f. 34. Type locality: “Samothraki: Loutra” [Greece].

West Europe north to Middle Scandinavia (excluding central and south-western parts of Iberian Peninsula, southern Italy and Peloponnes); Baltia; Belarus; Ukraine, Crimea; European Russia north to Karelia, south part of Arkhangelsk Province and Komi, North Caucasus; Transcaucasia (excluding south-eastern Azerbaijan); northern Turkey; northern Kazakhstan; Asian Russia: South Siberia north to Tobolsk, Ket and Angara Rivers, Transbaikalia; northern Mongolia; Far Eastern Russia: Amur Province, Jewish Autonomous Region, south part of Khabarovsk Province north to Kiselevka, Primorye, Sakhalin, South Kuriles (from Urup to Kunashir); China (Dunbei, Nei Mongol, Hebei, Shanxi, Shaanxi, Gansu, Jiangsu, Zhejiang, Anhui, Jiangxi, Fujian, Hubei, Sichuan, Guangxi, Guizhou, Yunnan); Korea; Japan (Hokkaido, Honshu, Shikoku, Kyushu, Tsushima, Yaku) (Map 128).

*Spilosoma punctaria* (STOLL, [1782]); Utitl. Kap. **4**: 233-234, t. 398, f. D (*Phalaena Bombyx Punctaria*). Type locality: “Japan”.

=*Arctia punctigera* MOTSCHULSKY, [1861]; Ét. d'Ent. **9**: 31. Type locality: “[Japan, ..., aux environs de Khokodody]” [Japan: Hokkaido, Hakodate].

=*Spilosoma roseiventer* SNELLEN VAN VOLLENHOVEN, 1863; Tijds. Ent. **6**: 143. Type locality: “Japonia”.

=*Spilosoma punctaria miserata* BRYK, 1942; Deut. Ent. Z. Iris **56**: 33. Type locality “Kunashiri (Tomari) und Urup. . . (Tokotanbai)” [Russia]. Far Eastern Russia: Amur Province, Jewish Autonomous Region, south part of Khabarovsk Province north to Kiselevka, Primorye; South Kuriles (Urup, Kunashir); China west to Tibet; Korea; Japan. The nominotypical subspecies is distributed in Japan (Hokkaido, Honshu, Shikoku, Kyushu, Yaku) and South Kuriles (from Urup to Kunashir) (Map 129).

*S. punctaria dornesii* OBERTHÜR, 1879; Diagnoses Espèces nouv. Lepid. Ile d'Askold: 6 (*Spilosoma dornesii*). Type locality: “l'île Askold” [Russia: South Primorye].

=*Spilosoma doerriesi* OBERTHÜR, [1881]; Ét. d'Ent. **5**: 31, t. 1, f. 7. Type locality: “[l'île Askold]” [Russia: South Primorye].

Far Eastern Russia: Amur Province, Jewish Autonomous Region, south part of Khabarovsk Province north to Kiselevka, Pri-

morye; South Kuriles (Urup, Kunashir); Korea; China (Dunbei, North China, other material are not yet examined). Note: The continental specimens differs noticeably from the Japanese ones by the ♂ genitalia structure: They have a strong sclerotized plate with small spines at the aedeagus apex while those from Japan and South Kuriles have only few small spines.

*Spilosoma urticae* (ESPER, 1789); Schmett. in Abbildungen nach der Natur Supl. Bomb. 3: 222, t. 83, f. 2 (*Phalaena.[a] Bombyx Urticae*). Type locality: "Leipzig" [Germany] [see also: [http://www.zsm.mwn.de/Lepidoptera/esper\\_typ\\_bom.htm](http://www.zsm.mwn.de/Lepidoptera/esper_typ_bom.htm)].  
=[*Phalaena Bombyx*] *Papyratia* MARSHAM, 1791; Tr. Linn. Soc. 1: 72, t. 1, fig. 4. Type locality: "Larva habitat in plantis aquaticis" [England].

=*Spilosoma sangaica* WALKER, [1865a]; List Spec. lep. Ins. Colln. Br. Mus. 31: 294-295. Figured in BUTLER (1879), Ill. Het. Br. Mus. 3: 5, t. 42, f. 5. Type locality: "Shanghai" [China].

=*[Spilosoma urticae] peralbata* DANNEHL, 1928; Ent. Z. 42 (8): 88. Type locality: "[Südtirols] Terlan, Bozen, Trient" [Italy: Trentino-Alto Adige: Terlano, Bolzano, Trento].

West Europe north to southern England and southern Scandinavia, south to northern Italy and northern Balkans; southern Lithuania; Belarus; Ukraine, Crimea; Moldova; European Russia north to Bryansk, Moscow, Middle Volga (there exists several old specimens collected in St.-Petersburg suburbs), North Caucasus; Transcaucasia; northern Iran; Central Asia south to Fergana valley in Uzbekistan; Kazakhstan; Asian Russia: north to Kurgan and Chulym river in West Siberia, Angara River, Transbaikalia (Buryatia, south regions of Chita Province), Amur Province (Blagoveshchensk), South Primorye; ?South Kuriles (Kunashir); China (Xinjiang, Sichuan, Jiangsu, Shanghai, Zhejiang, Heilongjiang, Hebei, Shandong) (Map 130).

*S. urticae mandli* SCHAWERDA, 1922; Z. Öst. Ent. Ver. Wien 7: 11 (*Spilosoma mandli*). Type locality: "Nikolsk Ussurijsk" [Russia: South Primorye: Ussurijsk]. Far Eastern Russia: southern Primorye, ?South Kuriles (Kunashir). Note: The record from South Kuriles (Kunashir) might be based on mislabelling.

#### *Spilosoma erythrozona* species group

*Spilosoma erythrozona* (KOLLAR, 1844); Kaschmir 4 (2): 468-469 (*Euprepia*). Type locality: "Himaleya, Massuri" [India: Uttar Pradesh: Mussorie].

=*Spilosoma cognata* WALKER, 1869; Char. Undescr. Het.: 11. Type locality: originally not stated, N.W. Himalayas (HAMPSON, 1901: 269). Eastern Afghanistan; western Pakistan; India (Kashmir, Himachal Pradesh); Nepal.

#### *Spilosoma nyngyuenfui* species group

*Spilosoma daitoense* (MATSUMURA, 1930); Ins. Matsum. 5: 33-34 (*Diacrisia daitoensis*). Type locality: "Formosa ... Karenko" [Taiwan].

*Spilosoma nyngyuenfui* DANIEL, 1943; Mitt. Münch. Ent. Ges. 33 (2/3): 737, Ab. 32, t. 20, fig. 17-19. Type locality: "Li-kiang (Nord-Yuennan)" [China]. China: Tibet, Yunnan, Sichuan.

*S. nyngyuenfui flavum* DANIEL, 1943; Mitt. Münch. Ent. Ges. 33 (2/3): 738, t. 20, fig. 19 (*Spilosoma nyngyuenfui flava*). Type locality: "Batang (Tibet)" [China]. China: Tibet, Sichuan.

#### *Spilosoma sensu lato*

*Spilosoma ignivagans* ROTHSCHILD, 1919; Ann. Mag. Nat. Hist. (9) 3: 487-488. Type locality: "Tali, Yunnan" [China]. China: Yunnan; northern Vietnam; Thailand.

*Spilosoma erythrophleps* HAMPSON, 1894; Moths India 2: 8-9. Type locality: "Nága Hills, 6000 feet" [India: Nagaland].

*Spilosoma rubidum* (LEECH, 1890); Entomologist 23 (323): 111 (*Dionychopus rubidus*). Type locality: "Chang Yang" [China: Hubei]. Lectotype desihnated by DUBATOLOV & KISHIDA (2005b: 274).

=*Spilosoma Leucoptera* ALPHERAKY, 1897; Mém. lép. 9: 170, t. 10, f. 8. Type locality: "Corée" [40 versts from Gensan, now - Weonsan (DUBATOLOV, 1996a), North Korea]. Korea; China: Sichuan, Yunnan, Guangdong, Guizhou, Guangxi, Hubei, Hunan, Zhejiang, Shaanxi, Shanxi, Hebei, Henan, Heilongjiang, Jilin, Jiangxi, Hunan, Fujian (Map 131).

*Spilosoma virginicum* (FABRICIUS, 1798); Ent. Syst. Suppl.: 437 (*B[ombyx] virginica*). Type locality: "in America boreali". Central Europe: Hungary (Czepel Is., imported, established and extinct). Original distribution in North America (Canada, USA).

#### Group of Afrotropic species

*Spilosoma feifense* WILTSHIRE, 1886, Fauna Saudi Arabia 8: 289-291, fig. 90, 27a-c (*Spilosoma feifensis*). Type locality: "Saudi Arabia, Prov. Gizan, Fifa".

*Spilosoma yemenese* (HAMPSON, 1916), Novit. Zool. 23 (2): 235 (*Diacrisia yemenensis*). Type locality: "Arabia, Yemen". Yemen (GOODGER & WATSON, 1995), Saudi Arabia (WILTSHIRE, 1980).

#### *Streltzovia* DUBATOLOV & WU, 2008; Atalanta 39(1-4): 368-369.

Type species *Spilosoma streltzovi* DUBATOLOV, 1996, by original designation.

Note: The subgenus was revised by DUBATOLOV & WU (2008); the ♂ genitalia is quite different from any other *Spilosoma* species.

*Streltzovia caeria* (PÜNGELER, 1906); Dt. Ent. Z. Iris 19: 79, t. 6, fig. 7 [*Diacrisia (Spilosoma) caeria*]. Type locality: "Kuku-Noor" [China: Qinghai]. China: Qinghai, Gansu, Nei Mongol, Shaanxi, Shanxi, Hebei, Beijing, Liaonin, Heilongjiang; Far Eastern Russia: Khabarovsk suburbs, south-western Primorye. Probably also Mongolia (Chentej aimak). The nominotypical subspecies is distributed in Qinghai, Gansu and Nei Mongol (Map 132).

*S. caeria mienshanica* (DANIEL, 1943); Mitt. Münch. Ent. Ges. 33 (2/3): 732, t. 20, fig. 20-21 (*Spilosoma mienshanica*). Type locality: "Mien Schan (Shansi), 1500-2000 m ... Tapaishan im Tsiling (Süd-Shensi), ca. 1700 m" [China]. China: Gansu, Nei Mongol, Shaanxi, Shanxi, Hebei, Beijing, Liaonin, Heilongjiang; Far Eastern Russia: Khabarovsk suburbs, south-western Primorye.

*S. caeria streltzovi* (DUBATOLOV, 1996); Neue Ent. Nachr. 36: 58, 71, Fig. 2j (*Spilosoma streltzovi*). Type locality "Amurskaya region, near Blagovestshensk" [Russia]. Far Eastern Russia: south part of Amur Province, South Primorye.



**Lemyra** Walker, 1856, List Spec. lep. Ins. Colln. Br. Mus. 7: 1690.

Type species: *Lemyra extensa* WALKER, 1856, by monotypy.

=*Carbisa* MOORE, 1879; Descr. new Indian lepid. Insects Colln late Mr. W. S. ATKINSON (1): 41.

Type species: *Carbisa venosa* MOORE, 1879, by monotypy.

Note: The genus was revised by THOMAS (1990). Nevertheless, he paid very few attention to external morphological characters, for example on presence or absence of an additional pair of spurs in the middle part of the hind tibiae. This character marks several groups of generic level in Arctiinae, and nobody supposed that it can appear or disappear in related species. So, I place all species with a single pair of spurs on the hind tibia in *Lemyra* s.str., while others with two pairs of spurs are isolated into own subgenus *Thyrgorina* Wlk.

**Lemyra maculifascia** (WALKER, 1855); List Spec. lep. Ins. Colln. Br. Mus. 3: 676-677 (*Spilosoma*). Type locality: "Java" [Indonesia]. =*Spilosoma conspurcatum* WALKER, 1856; List Spec. lep. Ins. Colln. Br. Mus. 7: 1698. Type locality: "Java" [Indonesia]. =*Maenas malayensis* HAMPSON, 1901; Cat. Lep. Phal. Colln Br. Mus. 3: 249, t. 43, f. 2. Type locality: "BALI, 2500 ft." [Indonesia]. Sundaland: Sumatra, Nias, Java, Bali, Lombok, Borneo, Sulawesi, Moluccas, Ambon, Buru, Dammier, Aru, Timor; Philippines; New Guinea; Australia: Queensland. Records from China (Yunnan and Shangdong) (Fang, 1985) are incorrect.

**Lemyra philippinica** THOMAS, 1990; Nachr. Ent. Ver. Apollo. Suppl. 9: 49-50, Abb. 26, 27, 100, 101. Type locality: "Philippinen, N-Luzon, Banaway". Philippines: Luzon, Mindanao, Leite, Negros, Sebu (THOMAS, 1990).

**Lemyra quadrisaccus** (HOLLOWAY, 1982); Introd. Moths SE Asia: 217-218, 262, fig. 41, t. 24, f. 14 (*Paralacydes*). Type locality: "Gen-ting Tea Estate, 2000ft, W. Pahang, MALAYSIA". Malay Peninsula; Thailand; Vietnam.

**Lemyra venosa** (MOORE, 1879); Descr. new Indian lep. Ins. Colln. late Mr. W. S. ATKINSON (1): 41, t. 2: 10 (*Carbisa*). Type locality: "Darjining" [India: West Bengal].

??=*D[iacrisia] pseudomaenas* ROTHSCHILD, 1919; Novit. Zool. 17: 131-132, 506; 18: t. 4, f. 9. Type locality: "Khasis" [India: Meghalaya]. East India: West Bengal (Darjeeling), Meghalaya (Khasi Hills); Thailand.

Subgenus **Thyrgorina** WALKER, [1865] 1864; List Spec. lep. Ins. Colln Br. Mus. 31: 317.

Type species: *Thyrgorina spilosomata* WALKER, [1865] 1864, by monotypy.

=*Echlida* WALKER, 1865b; List Spec. lep. Ins. Colln. Br. Mus. 32: 386. Type species: *Echlida subjecta* WALKER, 1865, by monotypy.

=*Icambosida* WALKER, 1865b; List Spec. lep. Ins. Colln. Br. Mus. 32: 400. Type species: *Icambosida nigrifrons* WALKER, 1865, by monotypy.

=*Thanatarctia* BUTLER, 1877, Ann. Mag. Nat. Hist. (4) 20: 395. Type species: *Thanatarctia infernalis* BUTLER, 1877, by original designation.

=*Challa* MOORE, 1879; Proc. Zool. Soc. London 1879: 398. Type species: *Challa discalis* MOORE, 1879, by subsequent designation by KIRBY, 1892; Syn. Cat. Lep. Het. 1: 359.

=*Xanthomaenas* ROEPKE, 1940; Ent. Z. 54: 25-26. Type species: *Xanthomaenas singularis* ROEPKE, 1940, by monotypy.

**Lemyra (Thyrgorina) alikangensis** (STRAND, 1915); Ent. Mitt. 4 (1/3): 15 (*Diacrisia*). Type locality: "Alikang" [Taiwan].

=*Diacrisia punctilinea* WILEMAN, 1910; Entomologist 43: 245-246. Type locality: "Kanshirei (1000 ft.)" [Taiwan]; nec MOORE (1879).

=*Diacrisia punctilineola* STRAND, 1919, Cat. Lep. 22: 416. Replacement name for *punctilinea* WILEMAN, 1910, nec MOORE (1879). Taiwan.

**Lemyra (Thyrgorina) alleni** THOMAS, 1990; Nachr. Ent. Ver. Apollo. Suppl. 9: 36-37, Abb. 33, 72, 73. Type locality: "Thailand, Khao Yai Nat. Park, 1200 m". Thailand.

**Lemyra (Thyrgorina) anormala** (DANIEL, 1943); Mitt. Münch. Ent. Ges. 33 (2/3): 710, t. 19, fig. 16, 17 (*Spilarctia*). Type locality: "Li-kiang [Nord-Yuennan]" [China]. Lectotype designated by THOMAS (1990: 16).

China: eastern Tibet, Sichuan, Yunnan, Guizhou, Hunan, Hubei, Jiangxi, Zhejiang, Fujian, Shaanxi; Burma (Myanmar); northern Thailand; northern Vietnam. Nominotypical subspecies is distributed in Sichuan, Yunnan, Tibet, Vietnam and Burma (Myanmar).

**L. (Thyrgorina) anormala danieli** THOMAS, 1990; Nachr. Ent. Ver. Apollo. Suppl. 9: 17, 62, Abb. 5, 73, Abb. 44-45 (genitalia). Type locality: "China, Chekiang [Zhejiang], West-Tien-mu-shan". China: Hunan, Hubei, Jiangxi, Zhejiang, Fujian.

**Lemyra (Thyrgorina) barliga** THOMAS, 1990; Nachr. Ent. Ver. Apollo. Suppl. 9: 31-32, Abb. 30, 64, 65. Type locality: "Philippinen, Luzon, Mountain Province, 1600 m, Barlig, Chatol, 15 km SE Bontoc, 17° 02' N Breite/121° 03' E Länge".

**Lemyra (Thyrgorina) bimaculata** (MOORE, 1879); Proc. Zool. Soc. Lond. 1879: 398-399 (*Challa*). Type locality: "Dharmasala, N.W. Himalaya" [Kangra District, Dharmasala, India]. Lectotype (as a type) designated by HAMPSON (1901: 293-294).

=*Challa discalis* MOORE, 1879; Proc. Zool. Soc. Lond. 1879: 399, t. 32, fig. 7. Type locality: "N.W. Himalaya" [India].

=*Challa quadrimaculata* MOORE, 1888; Proc. Zool. Soc. London 1888: 395. Type locality: "Palampore" [India, ?Punjab]. Lectotype designated by THOMAS (1990: 22).

=*Thanatarctia crispens* KALEKA, 2000 syn. nov.; Polskie Pismo Entomologiczne 69 (3): 320-322, fig. 1, 4-9. Type locality: "India, Uttar Pradesh, Loharkhet, 2000 m".

=*Thanatarctia kodai* KALEKA, 2000; Polskie Pismo Entomologiczne 69 (3): 322-324, fig. 2, 10-15. Type locality: "India, Uttar Pradesh, Loharkhet, 2000 m".

=*Thanatarctia saccuens* KALEKA, 2000; Polskie Pismo Entomologiczne 69 (3): 324-326, fig. 3, 16-21. Type locality: "India, Uttar Pradesh, Loharkhet, 2000 m". India: Himalayas from Garhwaal to Darjeeling; Nepal (THOMAS, 1990).

**Lemyra (Thyrgorina) biseriata** (MOORE, 1877); Proc. Zool. Soc. London 1877: 596 (*Alpenus biseriatus*). Type locality: „S. Andamanas“, this is a mistake, probably Assam (THOMAS, 1990).

=*Alpenus flavens* MOORE, 1879; Descr. new Indian lep. Ins. Colln late Mr. W. S. ATKINSON (1): 39. Type locality: "Cherra Punji, Assam" Lectotype (as a type) from Assam, Khasis designated by HAMPSON (1901: 282-283).

Eastern India: Assam, Meghalaya (Khasi Hills) (THOMAS, 1990); Nepal.

- Lemyra (Thyrgorina) boghaica* TSHISTIAKOV & KISHIDA, 1994; Tyô to Ga **45** (3): 189-192, Fig. 1-2, 3-4 (genitalia). Type locality: "Primorye territory, basin of Bol'shaya Ussurka (formerly Iman river), 17 km NE of Glubinnoe settl." [Russia].  
Far Eastern Russia: Jewish Autonomour Region, siuth part of Khabarovsk province north to Amur river mouth; Primorye; China: Heilongjiang, Jilin, Liaonin (Map 133).
- Lemyra (Thyrgorina) bornemontana* HOLLOWAY, 1988; Moths of Borneo **6**: 49, pl. 3: 13, fig. 99 (gen.). Type locality: "Sarawak: Gunong Mulu Nat. Park ... 1780m" [East Malaysia: Borneo].
- Lemyra (Thyrgorina) burmanica* (ROTHSCHILD, 1910); Novit. Zool. **17** (2): 121, pl. 14, fig. 41 (*D[ia]crisia*). Type locality: "Burmah" [Burma (Myanmar)].  
Burma (Myanmar); China: Tibet, Sichuan, Yunnan, Guangxi, Guangdong, Hunan; Indochina (Cambodja) (Candèze, 1927).
- Lemyra (Thyrgorina) copiosa* THOMAS, 1990; Nachr. Ent. Ver. Apollo. Suppl. **9**: 37-38, Abb. 15, 16, 76, 77. Type locality: "Sumatra" [Indonesia].
- Lemyra (Thyrgorina) costalis* (SINGH & SINGH, 1998), nomen nudum; Himalayan Journal of Enviroment and Zoology **12** (2): 147 (*Thanatarctia collarlis*, *Thanatarctia costalis*). Type locality: Jatinga ... Cachar Hills ... Assam [India].
- Lemyra (Thyrgorina) crama* ČERNÝ, 2009; Moths of Thailand **6**: 178, pl. Genitalia 3, fig. 358, pl. 39, fig. 358. Type locality: "N. THAILAND, Lampang, Chae Son NP, 1496 m, 18°51'22"N, 99°22'3"E".
- Lemyra (Thyrgorina) costimacula* (LEECH, 1899); Trans. Ent. Soc. London **1899**: 158 (*Thyrgorina*). Type locality: "Wa-shan" [China: Sichuan]. Lectotype (as a type) designated by HAMPSON (1901: 264), not by HAMPSON (1920), as THOMAS (1990) considered. China: Tibet, Sichuan, Yunnan (?).
- Lemyra (Thyrgorina) cretata* ČERNÝ, 2009; Moths of Thailand **6**: 169-170, pl. Genitalia 3, fig. 341, pl. 36, fig. 341. Type locality: "N. THAILAND, Lampang, Chae Son NP, 1496 m, 18°51'22"N, 99°22'3"E".
- Lemyra (Thyrgorina) dejongi* THOMAS, 1990; Nachr. Ent. Ver. Apollo. Suppl. **9**: 34-35, Abb. 31, 32, 70, 71. Type locality: "W-Java, Gouv. Kina-Ondern, Malabar-Geb., Tjinjireean, 1700 m" [Indonesia].
- Lemyra (Thyrgorina) diluta* THOMAS, 1990; Nachr. Ent. Ver. Apollo. Suppl. **9**: 43, 67, Abb. 20, 81, Abb. 88-89. Type locality: "China, Kuatun, 2300 m, Fukien" [China: Fujian]. China: Sichuan, Fujian; northern Vietnam; northern Thailand.
- Lemyra (Thyrgorina) everetti* (ROTHSCHILD, 1910); Novit. Zool. **17** (2): 132-133; 18: t. 4, fig. 27 (*Diacrisia*). Type locality: "South Flores" [Indonesia].
- Lemyra (Thyrgorina) excelsa* THOMAS, 1990; Nachr. Ent. Ver. Apollo. Suppl. **9**: 19, Abb. 7, 48, 49. Type locality: "Indien, Sikkim, Bakim, ca. 3000 m".  
=*Lemyra alternata* FANG, 1993; Scientific Treatise on Systematic and Evolutionary Zoology **2**: 177, 191, fig. 4, pl. 8: 7. Type locality: "Zhangmun, Xizang 2200m" [China: Tibet]. India: Sikkim; China: Tibet (western slope of Himalayas near Zhangmu).
- Lemyra (Thyrgorina) eximia* (Swinhoe, 1891); Trans. Ent. Soc. London **1891**: 137-138, pl. 8, fig. 8 (*Alpenus*). Type locality: "North Kanara" [India: Karnataka]. Lectotype designated by Hampson, 1901: 301-302.
- Lemyra (Thyrgorina) fallaciosa* (MATSUMURA, 1927); J. Coll. Agric. Hokkaido Imp. Univ. **19**: 58-59, t. 4, fig. 35 (*Diacrisia*). Type locality: "Formosa (Horisha)" [Taiwan].  
=*Diacrisia usuguronis* MATSUMURA, 1930; Ins. Matsum. **5**: 35-36, t. 1, fig. 5. Type locality: "Formosa ... Horisha" [Taiwan].  
=*Diacrisia rhodophila* f. *shironis* MATSUMURA, 1931; 6000 illust. Ins. Japan-Empire: 959, fig. Type locality: "Shironisu" [Taiwan].
- Lemyra (Thyrgorina) flammeola* (MOORE, 1877); Ann. Mag. Nat. Hist. (4) **20**: 89 (*Alpenus flammeolus*). Type locality: "Snowy valley, Province Chekiang" [China: Zhejiang].  
China: Yunnan, Hunan, Jiangxi, Shangdong, Zhejiang, Fujian; Japan (Honshu, Shikoku, Kyushu, Tsushima, Yaku). The nominotypical subspecies is distributed in Yunnan, Zhejiang, Fujian, Shangdong; Japan (THOMAS, 1990).
- L. (Thyrgorina) flammeola hunana* (DANIEL, 1943); Mitt. Münch. Ent. Ges. **33** (2/3): 720, t. 14, fig. 14, 23 (*Spilarctia flammeola*). Type locality: "Hoeng Shan [(Hunan) 900 m]" [China]. Lectotype designated by THOMAS (1990: 23-24).
- Lemyra (Thyrgorina) flavalis* (MOORE, 1865); Proc. Zool. Soc. Lond. **1865**: 809 (*S.[pilosoma] flavalis*). Type locality: "Darjeeling" [India: West Bengal]. Lectotype designated by THOMAS (1990: 45).  
=*S.[pilosoma] rubitincta* MOORE, 1865; Proc. Zool. Soc. Lond. **1865**: 809. Type locality: "Darjeeling" [India: West Bengal]. Lectotype designated by THOMAS (1990: 45).  
=*S.[pilosoma] lativitta* Moore, 1865; Proc. Zool. Soc. Lond. **1865**: 809. Type locality: "Darjeeling" [India: West Bengal]. Lectotype designated by THOMAS (1990: 45).  
Eastern India: Darjeeling, Sikkim; Nepal; Bhutan; Burma (Myanmar); China: southern and eastern Tibet, Sichuan, Yunnan.
- Lemyra (Thyrgorina) flavalis* (?) *carnea* (LEECH, 1899); Trans. Ent. Soc. London **1899**: 152 ([*Spilosoma lativitta* f.] *carnea*). Type locality: "Pu-tsu-fong" [China: Sichuan]. China: Sichuan. Note: THOMAS (1990) did not studied this taxon.
- Lemyra (Thyrgorina) flaveola* (LEECH, 1899); Tran. Ent. Soc. London **1899**: 154 (*Spilosoma flaveolum*). Type locality: "Chia-ting-fu" [China: Sichuan]. China: Sichuan, Jiangxi.
- Lemyra (Thyrgorina) gloria* FANG, 1993; Scientific Treatise on Systematic and Evolutionary Zoology **2**: 181, 191, fig. 10, pl. 8: 11. Type locality: "Dawaishan Pingbian, Yunnan, 1500m" [China].

- Lemyra (Thyrgorina) hanoica* (DANIEL, 1953); Mitt. Münch. Ent. Ges. **43**: 252-253 (*Spilarctia*). Type locality: “Tonking, Hanoi” [Vietnam].
- Lemyra (Thyrgorina) heringi* (DANIEL, 1943); Mitt. Münch. Ent. Ges. **33** (2/3): 717, t. 14, fig. 8-9 (*Spilarctia*). Type locality: “Li-kiang (Nord-Yuennan)” [China]. Lectotype designated by THOMAS (1990: 44).
- Lemyra (Thyrgorina) hyalina* (FANG, 1990); Sinozoologia **7**: 155, 156 (*Spilosoma*). Type locality “Guangri [Guangxi] (Miaoershan), 1100 m” [China]. China: Guangxi, Guangdong. The nominotypical subspecies is distributed in Guangxi.
- L. (Thyrgorina) hyalina nanlingica* DUBATOLOV, KISHIDA & WANG, 2008; Tinea **20** (3): 138, fig. 9-10, 22-23 (gen.). Type locality: “China, Guangdong Prov., Shaoguan, Nanling, 700-1200 m”.
- Lemyra (Thyrgorina) imparilis* (BUTLER, 1877); Ann. Mag. Nat. Hist. (4) **20**: 394 (*Spilarctia*). Type locality: “Yokohama” [Japan: Honshu].  
= *Diacrisia jezoensis* MATSUMURA, 1927; J. Coll. Agr. Hokkaido Univ. **19**: 57-58. Type locality: “Hokkaido (Sapporo)” [Japan]. Thailand; Vietnam; China: Guangdong, Hunan, Fujian, Jiangxi, Shangdong, Beijing, Liaonin; Taiwan; Japan (Hokkaido, Honshu, Shikoku, Kyushu, Tsushima, Yaku); Korea.
- Lemyra (Thyrgorina) inaequalis* (BUTLER, 1879); Ann. Mag. Nat. Hist. (5) **4**: 351-352 (*Spilarctia*). Type locality: [“Yokohama”] [Japan: Honshu]. Lectotype designated by THOMAS (1990: 30).  
= *Diacrisia pseudolutea* ROTHSCHILD, 1910; Novit. Zool. **17** (2): 134-135; 18: t. 4, f. 23. Type locality: “Japan”.  
= *Diacrisia rhodophila japonensis* ROTHSCHILD, Gross-Schmett. Erde **10**: 239, fig. 21e. Type locality: “Japan”, more exactly: Yokohama (THOMAS, 1990), figured by Thomas (1990), Nota Lep. **13** (2-3): fig. 1-3. Japan: Honshu, Shikoku, Kyushu, Tsushima, Yaku, Okinawa.
- L. (Thyrgorina) inaequalis sakaguchii* (MATSUMURA, 1930); Ins. Matsum. **5**: 34-35, pl. 1, fig. 7. Type locality: “Okinawa ... Naha” [Japan, Ryukyu].
- Lemyra (Thyrgorina) infernalis* (BUTLER, 1877); Ann. Mag. Nat. Hist. (4) **20**: 395 (*Thanatarctia*) Type locality: “Hakodaté” [Japan: Hokkaido].  
= *Spilarctia mollicula* BUTLER, 1877; Ann. Mag. Nat. Hist. (4) **20**: 395. Type locality: “Hakodaté” [Japan: Hokkaido].  
= [*Spilarctia*] *rhodophila distincta* REICH, 1937; Dt. Ent. Z. Iris **51**: 126. Type locality “West-Tien-Mu-shan” [Chekiang] [China: Zhejiang]. China: Guangxi, Hunan, Hubei, Zhejiang, Shaanxi, Beijing, Liaonin; Taiwan (KISHIDA & YAZAKI, 1991); Japan (Hokkaido, Honshu, Shikoku, Kyushu). Note: The record from India, Assam (SINGH & SINGH, 1998), is an error, it should be transferred to *L. nigrescens* ROTSCH.
- Lemyra (Thyrgorina) jankowskii* (OBERTHÜR, 1881); Ét. d'Ent. **5**: 31, pl. 31, fig. 3 (*Spilosoma*). Type locality: “Askold [Is., Russia]”.  
= *Diacrisia jankowskii korearctia* BRYK, 1948 [1949]; Ark. Zool. **41** A: 42-43. Type locality: “Motojondo” [North Korea]. Far Eastern Russia: south part of Amur Province, Jewish Autonomous Region, south part of Khabarovsk Province, north to Kiselevka, Primorye, a record from Kunashir (South Kuriles) (KONOVALOVA, 1968) looks to be an error; China: Tibet, Sichuan, Yunnan, Guangxi, Hubei, Zhejiang, Jiangsu, Qinghai, Shaanxi, Shanxi, Beijing, Hebei, Dunbei; northern Thailand (Map 134).
- L. (Thyrgorina) jankowskii soror* (LEECH, 1899); Trans. Ent. Soc. London **1899**: 152 (*Spilosoma soror*). Type locality: “... one [♂] from Ta-chien-lu” [China, Sichuan]. Lectotype (as a type) designated by HAMPSON (1901: 283).  
= *Diacrisia vialis* OBERTHÜR, 1911; Ét. Léop. comp. **5**: 337, pl. 83, fig. 787. Type locality: “Tâ-tsen-Lou” [China, Sichuan]. China: Shaanxi, Shanxi, Jiangsu, Zhejiang, Yunnan, Tibet, Sichuan (THOMAS, 1990); northern Thailand (ČERNÝ & PINRATANA, 2009).
- Lemyra (Thyrgorina) jiangxiensis* (FANG, 1990); Sinozoologia **7**: 156 (*Spilosoma*). Type locality: “Jiangxi (Lushan)” [China]. China: Jiangxi, Zhejiang, Hunan, Guangdong. The nominotypical subspecies is distributed in Jiangxi and Zhejiang.
- L. (Thyrgorina) jiangxiensis fangae* DUBATOLOV, KISHIDA & WANG, 2008; Tinea **20** (3): 138-139, fig. 12-13, 25(gen.). Type locality: “China, Guangdong, Shaoguan, Nanling”. China: Guangdong, Hunan.
- Lemyra (Thyrgorina) kannegieteri* (ROTHSCHILD, 1910); Novit. Zool. **17** (2): 132; 18: t. 4, fig. 26 (*Diacrisia*). Type locality: “Hili Madjedja, North Nias” [Indonesia]. Indonesia: Nias Is. near Sumatra.
- Lemyra (Thyrgorina) khasiana* THOMAS, 1990; Nachr. Ent. Ver. Apollo. Suppl. **9**: 42, Abb. 19, 86, 87. Type locality: “Khasis” [India: Meghalaya]. East India: Assam, Meghalaya (Khasi Hills).
- Lemyra (Thyrgorina) kobesi* THOMAS, 1990; Nachr. Ent. Ver. Apollo. Suppl. **9**: 33-34, Abb. 14, 68, 69. Type locality: “N-Sumatra” [Indonesia]. Indonesia: Sumatra.
- Lemyra (Thyrgorina) kuangtungensis* (DANIEL, 1954); Bonn. Zool. Beitr. **5**: t. 3, fig. 79-81, 6: 134-135 (*Spilarctia*). Type locality: “Kuangtung: Ohne weitere Angabe” [China: Guangdong]. China: Guangxi, Guangdong, Hainan, Hunan, Jiangxi, Fujian.
- Lemyra (Thyrgorina) malickyi* ČERNÝ, 2009; Moths of Thailand **6**: 169, pl. Genitalia 3, fig. 340, pl. 36, fig. 340. Type locality: “Thailand, Doi Inthanon, 18° 34' N, 98° 29' E GPS, 2300 m”.
- Lemyra (Thyrgorina) melanochroa* (HAMPSON, 1918); Novit. Zool. **25** (1): 216 (*Spilosoma*). Type locality: “Madras, Nilgiris” [Southern India: Tamil Nadu].
- Lemyra (Thyrgorina) melanosoma* (HAMPSON, 1894); Moths India **2**: 15 (*Thyrgorina melanosoma*). Type locality: “...; Sikhim ...” [India]. Lectotype designated by THOMAS (1990: 20). North-western Pakistan; India: Kulu, Darjeeling, Sikkim, Meghalaya (Khasi Hills); Burma (Myanmar); Thailand. Note: THOMAS (1990) did not cited any locality from China; nevertheless, FANG (2000) based on the THOMAS' review, recorded following provinces in the species area in China: southern Tibet (western slope of Himalayas), Sichuan, Yunnan, Hunan and Hubei.

- Lemyra (Thyrgorina) melli*** (DANIEL, 1943); Mitt. Münch. Ent. Ges. **33** (2/3): 712, t. 19, fig. 10-15 (*Spilarctia*). Type locality: “Li-kiang (Nord-Yuennan)” [China]. Lectotype designated by THOMAS (1990: 15). Burma (Myanmar); northern Thailand; China: eastern Tibet, Sichuan, Yunnan, Guangxi, Guangdong, Hunan, Jiangxi, Zhejiang, Hubei, Gansu, Shaanxi, Shanxi, Hebei, Dunbei. The nominotypical subspecies is distributed in Burma (Myanmar) and south-western China (Sichuan, Yunnan) (THOMAS, 1990).
- L. (Thyrgorina) melli progressa*** ČERNÝ, 2009; Moths of Thailand **6**: 170-171, pl. Genitalia 3, fig. 342, pl. 36, fig. 342a, 342b. Type locality: “Thailand, Changwat Chiang Mai, Doi Phahompok, 16 km NW of Fang, 2000 m”
- L. (Thyrgorina) melli shensii*** (DANIEL, 1943); Mitt. Münch. Ent. Ges. **33** (2/3): 713, t. 19, fig. 14-15 (*Spilarctia*). Type locality: “Tapaishan im Tsiling (Süd-Shensi) 1700 m” [China: Shaanxi]. Lectotype designated by THOMAS (1990: 15).
- Lemyra (Thyrgorina) minuta*** ČERNÝ, 2009; Moths of Thailand **6**: 171-172, pl. 36, fig. 344. Type locality: “N. Thailand, Chiang Mai, Doi Inthanon NP, 1500 m, 18° 31’5”N, 98° 31’50”E”.
- Lemyra (Thyrgorina) moltrechti*** (MIYAKE, 1909); Bull. Col. Agr. Univ. Tokio **8**: 166 (*Diacrisia Moltrechti*). Type locality: “Mt. Arizan in Formosa” [Taiwan].  
= *Diacrisia ukona* MATSUMURA, 1930; Ins. Matsum. **5**: 35. Type locality: “Formosa ... Koshun” [Taiwan].  
Note: MIYAKE (1909) and later THOMAS (1990) wrote that the type was deposited in the private collection of R. KON, Vladivostok, Russia. He was a teenager with very rich parents. In the beginning of XX century he lived in China (Tianjin) and later in Russia (Vladivostok). He knew A. MOLTRECHT in Vladivostok who undertook a travel to Taiwan in 1908. Probably, R. KON’s parents gave materials collected by A. MOLTRECHT to Japanese lepidopterologists for determination. Before the World War I, KONS left for England, and ROBERT entered Cambridge, left his hobby in insects, and later became a famous chemist known as GEORGE ARMAND ROBERT KON (1892-1951). It is quite possible that the types from his collection (at least *Lemyra moltrechti* MIYAKE and *Cretonotos transiens koni* MIYAKE) are now deposited in Cambridge.
- Lemyra (Thyrgorina) multivittata*** (MOORE, 1865); Proc. Zool. Soc. Lond. **1865**: 808 (*Spilosoma*) Type locality: “Darjeeling” [India: West Bengal]. Lectotype (as a type) from Sikkim designated by HAMPSON (1901: 265).  
= *D[iacrisia] multivittata assama* ROTHSCHILD, 1910; Novit. Zool. **17** (2): 121. Type locality “Khasis, Assam” [India: Meghalaya]. Lectotype (as a type) designated by HAMPSON (1920: 364-365).  
India: Himachal Pradesh, Uttar Pradesh, Darjeeling, Sikkim, Assam; Nepal; Burma (Myanmar); northern Thailand; northern Vietnam. THOMAS (1990) did not cite any locality from China. FANG (2000), using THOMAS’ review, provided additional records from China: southern Tibet (west slope of Himalayas in Zhangmu) and Yunnan. CANDÈSE (1927) made a record from Indochina.
- Lemyra (Thyrgorina) murzinorum*** DUBATOLOV, 2007; Atalanta **38** (3/4): 354, col. plate 18, fig. 17, gen. fig. 14. Type locality: “CHINA, Sichuan prov., valley 5 km N Wenchuan, 2000 m”.
- Lemyra (Thyrgorina) neglecta*** (ROTHSCHILD, 1910); Novit. Zool. **17** (2): 121 (*D[iacrisia]*). Type locality: “Sikkim ...” [India]. Lectotype (as a type) designated by HAMPSON (1920: 365).  
Nepal; eastern India: Darjeeling, Sikkim; Burma (Myanmar); China: southern Tibet (Zhangmu of western slope of Himalayas).
- Lemyra (Thyrgorina) neurica*** (HAMPSON, 1911); Ann. Mag. Nat. Hist. (8) **8**: 408 (*Diacrisia*), replacement name for *Maenas venosa* HAMPSON, 1901.  
= *Maenas venosa* HAMPSON, 1901; Cat. Lep. Phalaenae Br. Mus. **3**: 251. Type locality: “SIKHIM; ...” [India: Sikkim]. Lectotype designated by THOMAS (1990: 30). Eastern India: Darjeeling, Sikkim; Bhutan.
- Lemyra (Thyrgorina) nigrescens*** (ROTHSCHILD, 1910); Novit. Zool. **17** (2): 143 (*D[iacrisia] eximia nigrescens*). Type locality: “Khasia Hills, Assam ...; ...” [India: Meghalaya]. Lectotype (as a type) designated by HAMPSON (1920: 380).  
Eastern India: Sikkim, Meghalaya (Khasi Hills).
- Lemyra (Thyrgorina) nigricosta*** THOMAS, 1990; Nachr. Ent. Ver. Apollo. Suppl. **9**: 17-18, 62, Abb. 6, 74, Abb. 46, 47. Type locality: “Formosa, Kanshirei” [Taiwan].
- Lemyra (Thyrgorina) nigrifrons*** (WALKER, 1865); List Spec. lep. Ins. Colln. Br. Mus. **32**: 401 (*Icambosida*). Type locality: “Hindustan” [India]. Eastern India: Darjeeling, Sikkim, Assam; Burma (Myanmar); Thailand (recently not recorded by ČERNÝ & PINRATANA, 2009).
- Lemyra (Thyrgorina) nocturna*** THOMAS, 1990; Nachr. Ent. Ver. Apollo. Suppl. **9**: 28, Abb. 12, 62, 63. Type locality: “N-Sumatra, Simalungun” [Indonesia].
- Lemyra (Thyrgorina) obliquivitta*** (MOORE, 1879); Descr. New Indian Lepid. Ins. ATKINSON. London: 40, t. 2, fig. 26 (*Spilarctia*). Type locality: “Darjiling” [India: West Bengal].  
= *Spilarctia jucunda* BUTLER, 1881; Ill. Typ. Spec. Lep. Het. Colln. Br. Mus. **5**: 32, t. 85, fig. 11. Type locality: “Darjiling” [India: West Bengal, Darjeeling]. Lectotype designated by HAMPSON (1901: 282). Eastern India: Sikkim, Assam, Manipur; Nepal; Bhutan; Burma (Myanmar); Thailand; Vietnam; China: eastern Tibet, Sichuan, Yunnan, Zhejiang, Hunan.
- Lemyra (Thyrgorina) pilosa*** (ROTHSCHILD, 1910); Novit. Zool. **17** (2): 132, 18: t. 4, fig. 10 (*Diacrisia*). Type locality: “Khasis” [India: Meghalaya]. Lectotype designated by Hampson, 1920: 381. India: Meghalaya (Khasi Hills); China: Yunnan.
- Lemyra (Thyrgorina) pectorale*** ČERNÝ, 2009; Moths of Thailand **6**: 338, pl. 35, fig. 338a, 338b. Type locality: “N. THAILAND, Chiang Mai, Fang, Doi Pha Hom Pok, 2050 m, 20° 07’30”N, 99° 08’49”E”.
- Lemyra (Thyrgorina) pilosoides*** (DANIEL, 1943); Mitt. Münch. Ent. Ges. **33** (2/3): 718, t. 22, fig. 15 (*Spilarctia*). Type locality: “Li-kiang (Nord-Yuennan)” [China]. Lectotype designated by THOMAS (1990: 29). China: Sichuan, Yunnan.
- Lemyra (Thyrgorina) phasma*** (LEECH, 1899); Trans. Ent. Soc. London 1899: 159 (*Thyrgorina*). Type locality: “Pu-tsu-fong ... Kweichow” [China: Guizhou].

- = *Alphaea phasma hoenei* DANIEL, 1943; Mitt. Münch. Ent. Ges. **33** (2/3): 742, t. 21, fig. 7. Type locality: "A-tun-tse (Nord-Yuennan) 3500-4000 m" [China]. China: Tibet, Sichuan, Yunnan, Guizhou, Hunan, Hubei; northern Vietnam (?).
- Lemyra (Thyrgorina) pseudoflammeoida* (FANG, 1983); Acta Zootax. Sinica **8** (1): 84-85 (*Spilarctia*). Type locality: "Shicheng County (26.4°N, 116°E), Jiangxi" [China].
- Lemyra (Thyrgorina) proteus* (DE JOANNIS, 1928); Ann. Soc. ent. Fr. **97**: 275-280, pl. 1, fig. 7-8, 10-11. (*M[ae]nas proteus*). Type locality: "Tous ces exemplaires ont été élevés à Cho ganh sur le pêcher et le mûrier par M. Duport" [Tonkin, Vietnam]. Lectotype designated by THOMAS (1990: 35). China: Guangxi, Guangdong (?), Hainan; northern Vietnam.
- Lemyra (Thyrgorina) punctilinea* (MOORE, 1879); Descr. New Indian Lep. Ins. ATKINSON. London: 40-41 (*Icambosida*). Type locality: "Darjiling" [India: West Bengal].
- = *D.[iacrisia] unilinea* ROTHSCHILD, 1910; Novit. Zool. **17** (2): 133; 18: pl. 4, fig. 16. Type locality: "Pu-tsu-fong, West China, 9820 ft., ..." [China: Sichuan]. Lectotype (as a type) designated by HAMPSON (1920: 364). Pakistan; India (from Kashmir to Darjeeling); Nepal; China: Tibet, Sichuan, Yunnan, Shaanxi.
- Lemyra (Thyrgorina) rhodophila* (WALKER, 1864); List Spec. lep. Ins. Colln. Br. Mus. **31**: 294 (*Spilosoma*). Type locality: "Hindostan" [India]. Pakistan; India (Himachal Pradesh, Uttar Pradesh, Sikkim); Nepal; Burma (Myanmar); China: Tibet (western slopes of Himalayas at Zhangmu), Sichuan.
- Lemyra (Thyrgorina) rhodophiloides* (HAMPSON, 1909); Ann. Mag. Nat Hist. (8) **4**: 360 (*Diacrisia*). Type locality: "FORMOSA, Kagi Distr." [Taiwan]. Lectotype designated by THOMAS (1990: 16).
- Lemyra (Thyrgorina) rubidorsa* (MOORE, 1865); Proc. Zool. Soc. London **1865**: 808 (*S.[pilosoma] rubidorsa*). Type locality: "Darjeeling" [India: West Bengal].
- = *Icambosida dorsalis* MOORE, 1888; Proc. Zool. Soc. Lond. **1888**: 394-395. Type locality: "Dharmasala" [Kangra, India]. Lectotype designated by THOMAS (1990: 14). Pakistan: Azad Kashmir; India: Himachal Pradesh, Uttar Pradesh, Darjeeling, Sikkim, Assam; China: Tibet (western slopes of Himalayas in Zhangmu), Yunnan.
- Lemyra (Thyrgorina) rubrocollaris* REICH, 1937; Dt. Ent. Z. Iris **51**: 127 (*Diacrisia*). Type locality: "Soochow, Kiangsu" [China: Jiangsu]. Figured by DANIEL (1943b); Mitt. Münch. Ent. Ges. **33** (2/3): Taf. 19, fig. 18, as "*Spilarctia burmanica* ROTHSCH. (Type von *rubricollaris* REICH)". China: Jiangsu.
- Lemyra (Thyrgorina) sikkimensis* (MOORE, 1879); Descr. new Indian lepid. Ins. Colln. late Mr. W. S. ATKINSON (**1**): 39, t. 2: 12 (*Euchaetes*). Type locality: "Darjiling" or Darjeeling [India: West Bengal]. Lectotype designated by THOMAS (1990: 40). India: West Bengal, Assam, Meghalaya (Khasi Hills); China (without any exact record by THOMAS, 1990); Indochina (CANDEZE, 1927).
- Lemyra (Thyrgorina) sincera* FANG, 1993; Scientific Treatise on Systematic and Evolutionary Zoology **2**: 178, 191, fig. 6, pl. 8: 9. Type locality: "Yaojiaping Lushui, Yunnan 2500m" [China].
- Lemyra (Thyrgorina) singularis* (ROEPKE, 1940); Ent. Z. **54** (4): 26, fig. 15 (p. 27) (*Xanthomaenas*). Type locality: "Wijnkoopsbaai, Südküste Javas" [Indonesia: Java].
- = *Secusio javanica* ROEPKE, 1940; Ent. Z. **54** (4): 26-27, fig. 14. Type locality: "Westjava, leider ohne näheren Fundort und Datum" [Indonesia].
- Lemyra (Thyrgorina) sordidescens* (HAMPSON, 1901); Cat. Lep. Phalaenae Br. Mus. **3**: 304, t. 46: 2 (*Diacrisia*). Replacement name for *Spilosoma sordida* MOORE, 1865.
- = *S.[pilosoma] sordida* MOORE, 1865; Proc. Zool. Soc. London **1865**: 808. Type locality: "Darjeeling" [India: West Bengal]. Eastern India: Darjeeling, Sikkim; Burma (Myanmar) (THOMAS, 1990); Thailand (ČERNÝ & PINRATANA, 2009).
- Lemyra (Thyrgorina) spilosomata* (WALKER, [1865] 1864); List Spec. lep. Ins. Colln. Br. Mus. **31**: 318 (*Thyrgorina*). Type locality: "South Hindostan" [South India].
- = *Echlida subjecta* WALKER, 1865; List Spec. lep. Ins. Colln. Br. Mus. **32**: 387. Type locality: "South Hindostan" [South India].
- = *D.[iacrisia] albens* ROTHSCHILD, 1910; Novit. Zool. **17** (2): 137. Type locality: "... Permoad, Travancore" [India: Travancore, Pirmad]. Lectotype (as a type) designated by HAMPSON (1920: 365).
- = *D.[iacrisia] flavifrons* ROTHSCHILD, 1910; Novit. Zool. **17** (2): 122. Type locality: "Shevaray Hills, [Madras,] India, 4100 ft.; ...". Lectotype (as a type) designated by HAMPSON (1920: 365).
- Lemyra (Thyrgorina) stigmata* (MOORE, 1865); Proc. Zool. Soc. Lond. **1865**: 809-809 (*S.[pilosoma] stigmata*). Type locality: "Darjeeling" [India: West Bengal]. Lectotype designated by THOMAS (1990: 47).
- = *Spilarctia lacteata* BUTLER, 1881; Ill. Typ. Spec. Lep. Het. Colln. Br. Mus. **5**: 31-32, t. 85, fig. 10. Type locality: "Darjiling" [India: West Bengal]. Lectotype designated by THOMAS (1990: 47).
- = *Lemyra walkeri* KALEKA, 2001 *syn. nov.*; J. Bombay Nat. Hist. Soc. **98** (3): 422-424. Type locality: "Arunachal Pradesh, West Kameng district, Bomdila, 2,600 m" [India]. Pakistan; India (Himalayas east to Sikkim and Assam); Nepal; Bhutan; China: Tibet, Sichuan, Yunnan, Hubei, Shaanxi; Taiwan (Kishida, 1983); Burma (Myanmar); Thailand; Vietnam. The nominotypical subspecies is distributed from Himalaya via Sichuan to Central China.
- L. (Thyrgorina) stigmata aurantiaca* (FANG, 1985); Economic Insect Fauna China **33**: 56, fig. 77b (*S.[pilarctia] stigmata aurantiaca*). Type locality: [Yunnan Pingbian Dawei Shan] [China]. China: Yunnan; northern Vietnam.  
Note: the subspecies is characterized by a better marked dark pattern on the forewings: the stroke in the central cell is long, from the wing base to the discal vein, the black spot at the costa opposite to the discal vein is large.
- Lemyra (Thyrgorina) subfascia* (WALKER, 1855); List Spec. lep. Ins. Colln. Br. Mus. **3**: 678-679 (*Spilosoma*). Type locality: "Ceylon" [Sri Lanka]. Lectotype designated by THOMAS (1990: 47).

*Lemyra (Thyrgorina) wernerthomasi* INOUE, 1992 [1993]; Nachr. Ent. Ver. Apollo **13** (3a): 351-353, fig. 1-3. Type locality: "Alishan, Chiai Hsien" [Taiwan].

*Lemyra (Thyrgorina) ypsilon* (ROTHSCHILD, 1910); Novit. Zool. **17** (2): 117, pl. 14, fig. 39 (*Maenas*). Type locality: "Mount Gedé, West Java, 4000 ft. ...; Penang" [Indonesia]. Lectotype (as a type) designated by HAMPSON (1920: 383).

= *Maenas ypsilon furcatulata* VAN EECKE, 1927; Zool. Mededeel. **10**: 143-144. Type locality: "Malakka, Sumatra (... , Fort de Kock ...) en Java" [Indonesia]. Thailand; Vietnam; Malay Peninsula; Sundaland: Sumatra, Java, Borneo.

*Lemyra (Thyrgorina) zhangmuna* (FANG, 1982); Acta Ent. Sinica **25** (2): 202 (*Spilarctia*). Type locality: "Xizang (Zhangmu)" [China: Tibet]. China: southern Tibet (western slopes of Himalayas in Zhangmu).

*Spilarctia* BUTLER, 1875, Cistula ent. **2**: 39.

Type species: *Phalaena lutea* HUFNAGEL, 1766, by subsequent designation by KIRBY (1877), in RYE, Zool. Rec. **12**: 431 (cited as *P. lubricipeda* LINNAEUS, a misidentification).

= *Olistheria* HÜBNER, [1820] 1816; Verz. bekannter Schmett.: 194. Type species: *Phalaena (Noctua) zatima* STOLL, 1782, by subsequent designation by FORBES (1955), Tijdschr. Ent. **98**: 132. Was never in use after 1820.

*Spilarctia accensa* species group

*Spilarctia accensa* (SWINHOE, 1903); Ann. Mag. Nat. Hist. (Ser. 7) **12**: 193-194 (*Pericallia*). Type locality: "Dili, Sumatra" [Indonesia]. Malay Peninsula; Indonesia: Sumatra.

*Spilarctia ericsoni* (SEMPER, 1899); Schmett. Philipp. Inseln. **2**: 489 (*Hyarias*). Type locality: "Kinabalu-Gebirge" [Malaysia: Borneo].

*Spilarctia rhodochroa* (HAMPSON, 1916); Novit. Zool. **23**: 236 (*Diacrisia*). Type locality: "Java, Nongkodjadja" [Indonesia]. Indonesia: Java, Bali.

*Spilarctia rubriventris* (TALBOT, 1926); Sarawak Mus. J. **3** (No. 9): 139-140 (*Spilosoma*). Type locality: "Sarawak ... Mt. Murud, 6000-6500 feet" [Malaysia: Borneo].

*Spilarctia ananda* species group

*Spilarctia ananda* (ROEPKE, 1938); Ent. Zei. **52**: 52, fig. 9 (p. 54) (*Spilosoma*). Type locality: "Perbawatti, W.-J[awa]" [Indonesia]. Indonesia: Java, Bali.

*Spilarctia groganae* (HOLLOWAY, 1976); Moths of Borneo: 4, fig. 17, pl. 1: 7 (*Spilosoma groganae*). Type locality: "Park HQ ... [SABAH: Mt. Kinabalu, Park H.Q. 1620 m]" [Malaysia: Borneo].

*Spilarctia irina* DUBATOLOV, 2006; Atalanta **37** (3/4): 400-401, colour plate 9, fig. 5-6, gen. fig. 5. Type locality: "Indonesia, West Sumatra, Mt. Sanggul, h=1300 m". Malaysia: Malay Peninsula; Indonesia: Sumatra.

*Spilarctia bisecta* species group

*Spilarctia bisecta* (LEECH, [1889]); Proc. Zool. Soc. London **1888**: 618-619, pl. 31, fig. 3 (*Spilosoma bisecta*). Type locality: "Nagasaki" (probably erroneous, by M. HONEY's pers. comm.). Lectotype designated (as a type) by HAMPSON (1901: 290).

= *Spilosoma howqua* MOORE, 1877; Ann. Mag. Nat. Hist. (4) **20**: 88-89. Type locality: "Shanghai" [China].

= *Spilosoma mandarina* MOORE, 1877; Ann. Mag. Nat. Hist. (4) **20**: 88. Type locality: "Shanghai" [China].

= *Spilarctia bisecta shanghaiensis* DANIEL, 1943, Mitt. Münch. Ent. Ges. **33** (2/3): 692, t. 18, fig. 9-12. Type locality: "Shanghai" [China]. China: Sichuan, Yunnan, Guangdong, Hongkong, Guangxi, Guizhou, Hunan, Jiangxi, Hubei, Jiangsu, Shandong, Zhejiang, Fujian; Burma (Myanmar); Indochina (Thailand, Laos, Vietnam). The nominotypical subspecies is distributed in eastern China.

*S. bisecta occidentalis* (ROTHSCHILD, 1914) **comb. nov.**, Gross-Schmett. Erde **10**: 243, f. 21e (*Diacrisia obliqua occidentalis*). Type locality: "West-China, Thibet". Type from "Haining" [China] was figured by THOMAS (1990), Nota Lep. **13** (2-3): fig. 4-6.

= [*Diacrisia*] *obliqua hainingensis* STRAND, 1919; Cat. Lep. **22**: 416, replacement name for *Diacrisia obliqua occidentalis* ROTHSCCHILD, 1914, nec BARTEL (1903). Western China; Indochina.

*Spilarctia dalbergiae* MOORE, 1888; Proc. Zool. Soc. London **1888**: 394. Type locality: "Dharmasala" [India]. India: Himachal Pradesh (Dharmasala, Kangra); Nepal.

*Spilarctia graminivora* INOUE, 1988, Tyô to Ga **39** (2): 99-102. Type locality: "Takamatsu City, Tokushima Pref." [Japan, Shikoku]. Japan (south-western Honshu, northern Shikoku, northern and central Kyushu (INOUE, 1988)).

*Spilarctia lungtani* DANIEL, 1943; Mitt. Münch. Ent. Ges. **33** (2/3): 692, t. 18, fig. 13-16. Type locality: "Lungtan bei Nanking (Kiangsu) ... Shanhai (Kiangsu) ... Als Typenrasse bestimme ich die Stücke von Kiangsu" [China].

China: Sichuan, Guangxi, Hunan, Hubei, Zhejiang, Fujian, Anhui, Jiangsu, Shaanxi; North Vietnam.

*Spilarctia substestacea* (ROTHSCHILD, 1910); Nov. Zool. **17** (2): 137 (*D[iacrisia]*). Type locality: "Sansako, North Formosa ... Kagi District, Central Formosa" [Taiwan].

= *Diacrisia obliqua chosokeia* STRAND, 1922; Ent. Z. **36** (1): 1. Type locality: "Chosokei ..., Kankau (Koshun) ... Daitotei ..." [Taiwan], synonymy by INOUE (1988), based on a paratype.

= *Diacrisia takamukuana* MATSUMURA, 1927a; J. Coll. Agr. Hokkaido Imp. Univ. **19** (1): 56, pl. 4, f. 27. Type locality: "Formosa (Horisha)" [Taiwan]. Note: Related species to *Spilarctia bisecta* LEECH.

*Spilarctia casigneta* species group (the group was revised by THOMAS, 1994)

*Spilarctia adumbrata* (THOMAS, 1994); Het. Sumatrana **7** (2): 193 (*Spilosoma*). Type locality: "Sumatra, Sitahoan" [Indonesia].

*Spilarctia borneensis* (ROTHSCHILD, 1910); Novit. Zool. **17** (2): 151 (*D[iacrisia] semperi borneensis*). Type locality: "Kina Balu, North Borneo" [East Malaysia]. Lectotype as a type designated by HAMPSON (1920: 386).

- Spilarctia casigneta* (KOLLAR, [1844]); Kaschmir **4** (2): 469 (*Euprepia*). Type locality: “Himaleya, Massuri” [India: Uttar Pradesh].  
= *S.[pilosoma] sanguinalis* MOORE, 1865; Proc. Zool. Soc. London. **1865**: 810. Type locality: “Darjeeling”. Lectotype designated by THOMAS (1994: 183). Western slopes of Himalayas from North Pakistan via Indian Himachal Pradesh and Uttar Pradesh to Nepal, Sikkim, Assam and Bhutan (THOMAS, 1994). Note: All former records from China were based on incorrect determinations.
- Spilarctia fumida* (WILEMAN, 1910); Entomologist **43**: 245 (*Diacrisia*). Type locality: “Rantaizan (7500 ft.)” [Taiwan]. Lectotype as a type designated by HAMPSON (1920: 399). Taiwan; probably also continental China, as was cited by THOMAS (1994).
- Spilarctia roseata* (ROTHSCHILD, 1910); Novit. Zool. **17** (2): 151; 18: t. 3, f. 26 (*D.[iacrisia] semperi roseata*). Type locality: “Java” [Indonesia].
- Spilarctia rubilinea* (MOORE, 1865); Proc. Zool. Soc. London **1865**: 810 (*S.[pilosoma] rubilinea*). Type locality: “Darjeeling” [India: West Bengal]. Lectotype designated by THOMAS (1994: 186).  
= *S.[pilosoma] discinigrata* MOORE, 1865; Proc. Zool. Soc. London **1865**: 810-811. Type locality: “Darjeeling” [India: West Bengal].  
= *D.[iacrisia] montana brunnea* ROTHSCHILD, 1910; Novit. Zool. **17** (2): 143. Type locality “Sikkim ... Bhutan ... Darjeeling, Sikkim”. Lectotype as a type from Sikkim designated by HAMPSON (1920: 399).  
= *Diacrisia montana heylaertsi* ROTHSCHILD, 1914; Gross-Schmett. Erde **10**: 245, f. 22c. Type locality: “Sikkim und Bhutan”; homonym of *Spilarctia heylaertsi* KIRBY (1892), Syn. Cat. Lep. Het. **1**: 908.  
Nepal; India: Sikkim, Assam; Bhutan; China: Tibet; Burma (Myanmar); Indochina.
- Spilarctia rufofusca* (THOMAS, 1994); Het. Sumatrana **7** (2): 193 (*Spilosoma*). Type locality: “N-Sumatra, Dairi Silalahi, 1500 m” [Indonesia].
- Spilarctia sagittifera* MOORE, 1888; Proc. Zool. Soc. London **1888**: 394. Type locality: “Dharmasala” [India: Himachal Pradesh]. Lectotype designated by THOMAS (1994: 184).  
India: Himachal Pradesh; Nepal; Indochina (Thailand, Vietnam); China: Sichuan, Yunnan, Guangdong, Guangxi, Qinghai, Shaanxi, Jiangxi, Zhejiang, Fujian; Taiwan. The nominotypical subspecies is distributed in the Himalayas.
- S. sagittifera chekiangi* DANIEL, 1943; Mitt. Münch. Ent. Ges. **33** (2/3): 689 (*Spilarctia chekiangi*). Type locality: “West Tien-Mu-Shan (Chekiang) 1600 m ... Mokanshan (Chekiang) ... Tapaishan im Tsinling (Süd-Shensi) 1700 m” [China: Zhejiang, Shaanxi]. Lectotype designated by THOMAS (1994: 184). Central and eastern China.
- S. sagittifera fukieni* DANIEL, 1943; Mitt. Münch. Ent. Ges. **33** (2/3): 686, t. 16, fig. 13-15 (*Spilarctia obliqua fukieni*). Type locality: “Fukien (Kuatun) ... [2300 m]” [China: Fujian]. Lectotype designated by THOMAS (1994: 184). South-eastern China.
- S. sagittifera taiwanensis* (MATSUMURA, 1927); J. Coll. Agr. Hokkaido Imp. Univ. **19** (1): 54, pl. 4, f. 34 (*Diacrisia taiwanensis*). Type locality: “Formosa (Taihoku)” [Taiwan]. Note: HEPPNER & INOUE (1992) considered this taxon to be a good species.
- Spilarctia sinica* DANIEL, 1943; Mitt. Münch. Ent. Ges. **33** (2/3): 683, t. 15, fig. 6-13 (*Spilarctia casigneta sinica*). Type locality: “[Li-kiang (Nord-Yuennan) ... A-tun-tse (Nord-Yuennan)] ... Yuennan” [China]. Lectotype from Nord-Yuennan designated by THOMAS (1994: 189). China: Sichuan, Yunnan, Hunan, Hubei, Zhejiang (THOMAS, 1994; FANG, 2000).
- Spilarctia tamangi* (THOMAS, 1994); Het. Sumatrana **7** (2): 195 (*Spilosoma*). Type locality: “Indien, W.B., Darjeeling, Tigerhill, 2400 m” [India: West Bengal]. India: Sikkim, Assam.
- Spilarctia variata* DANIEL, 1943; Mitt. Münch. Ent. Ges. **33** (3): 687, t. 15, f. 16-22, t. 16, f. 1-6 ([*Spilarctia obliqua*] *variata*). Type locality: “Li-kiang [Nord-Yuennan]” [China]. Lectotype designated by THOMAS (1994: 194).  
= *Spilarctia casigneta sinica tsinlingi* DANIEL, 1943; Mitt. Münch. Ent. Ges. **33** (2/3): 683, t. 15, fig. 14-15. Type locality: “Tapaishan [im Tsinling (üd-Shensi)]” [China: Shaanxi]. China: Sichuan, Yunnan, Shaanxi.
- S. variata pseudohampsoni* DANIEL, 1943; Mitt. Münch. Ent. Ges. **33** (3): 687, t. 16, f. 7-8, 16, 19 ([*Spilarctia obliqua*] *pseudohampsoni*). Type locality: “A-tun-tse [Nord-Yuennan]” [China: Yunnan or Sichuan]. China: south-western Sichuan, western Yunnan.
- Spilarctia xanthogaster* (THOMAS, 1994); Het. Sumatrana **7** (2): 190 (*Spilosoma*). Type locality: “Khasi Hills” [India: Meghalaya]. India (Assam); Burma (Myanmar).
- Spilarctia xanthogastes* FANG, 2000; Fauna Sinica. Insecta **19**: 449, fig. 324, pl. 18, f. 11. Type locality: “West China, Yunnan (Yingjiang, Xishuangbanna, Cangyuan, Mangshi, Jinggu, Ruili), Tibet”. China: Tibet, Yunnan.
- Spilarctia xanthosoma* (ROEPKE, 1954); Idea **10**: 17; O. S. R.-Publication **41**: 4, pl. 1, fig. 3 (*Spilosoma*). Type locality: “Patuhawattee, 1750 m, W. Java” [Indonesia]. Note: Might be a synonym of *S. (casigneta) roseata* (WALKER, 1855).

#### *Spilarctia hypogopa* species group

- Spilarctia hypogopa* (HAMPSON, 1907); Ann. Mag. Nat. Hist. (7) **19**: 235-236 (*Diacrisia*). Type locality: “SINGAPORE”. Thailand; Malaysia: Malay Peninsula; Sundaland: Sumatra, Borneo.
- S. hypogopa mentawaica* DUBATOLOV, 2006; Atalanta **37** (3/4): 394, colour plate 7, fig. 5-6, gen. fig. 2. Type locality: “Indonesia, Mentawai isls., Siberut isl., Bojakan”.
- Spilarctia philippina* DUBATOLOV & KISHIDA, 2006; Atalanta **37** (3/4): 395, colour plate 8, fig. 11-12, gen. fig. 4 [*Spilarctia (hypogopa) philippina*]. Type locality: “Philippines, Negros I., Mt. Canlaon”.
- S. philippina mindanaoica* DUBATOLOV & KISHIDA, 2006; Atalanta **37** (3/4): 395-396, colour plate 8, fig. 13-16, gen. fig. 5. Type locality: “Philippines, Mindanao I., Mt. Busa”.

*Spilarctia postrubida* (WILEMAN, 1910); Entomologist **43**: 246 (Aloa). Type locality: “Kanshirei (1000 ft.)” [Taiwan]. Nepal; northern Vietnam; China: Hainan; Taiwan; Japan: Ryukyu (Ishigaki).

*Spilarctia flavorubida* DUBATOLOV, 2006; Atalanta **37** (3/4): 402, colour plate 10, fig. 9-10, gen. fig. 9 [*Spilarctia (postrubida) flavorubida*]. Type locality: “Indonesia, Bali, Tamblingan”.

*Spilarctia leopardina-melanostrigma* species group

*Spilarctia inayatullahi* DUBATOLOV & GURKO, 2004; Atalanta **35** (1/2): 87-89, fig. 5, colour plate 4 b, fig. 5. Type locality: “Pakistan, prov. Azad Jammu & Kashmir, NW from Junkar [ca. 100 km NW from the Indian Kargil], 3000-3400 m” (Map 136).

*Spilarctia leopardina* (KOLLAR, [1844]); Kaschmir **4** (2): 467, t. 21, fig. 2 (*Euprepia*). Type locality: “Himaleya” [India]. Lectotype designated by DUBATOLOV, KISHIDA & FANG (2005: 181).

= *Arctia divisa* WALKER, 1855; List Spec. lep. Ins. Colln. Br. Mus. **3**: 614-615. Type locality: “North India”. Lectotype designated by DUBATOLOV, KISHIDA & FANG (2005: 181).

= *Ardices liturata* WALKER, 1869; Char. Lep. Het.: **12**. Type locality: not designated; N.W. Himalayas (HAMPSON, 1901: 288). India: Himachal Pradesh, Uttar Pradesh, Sikkim, Assam, Manipur; Nepal; China: Tibet (western slopes of Himalayas only). The nominotypical subspecies is distributed in India: Himachal Pradesh, Uttar Pradesh and northern Nepal (Map 135).

*S. leopardina dhaulagiriensis* DUBATOLOV & KISHIDA, 2005; Atalanta **36** (1/2): 182-183, colour plate 12, figs. 3, 4; genitalia fig. 9-12. Type locality: “NEPAL, Inner Himal, Dhaulagiri, Mustang, Muktinath, 3,800 m”.

Central Nepal (Dhaulagiri Region); China (Tibet, western slope of Himalayas opposite to Dhaulagiri).

*S. leopardina rosepuma* DUBATOLOV, KISHIDA & FANG, 2005; Atalanta **36** (1/2): 183, 186, colour plate 12, figs. 5-9; genitalia fig. 13-19. Type locality: “NEPAL, Godavari”.

South-eastern Nepal; China (Tibet, western slope of Himalayas opposite to south-eastern Nepal); probably also eastern India.

*Spilarctia melanostrigma* (ERSCHOFF, 1872); Hoiae Soc. Ent. Ross. **8** (4): 316 (*Spilosoma Melanostrigma*). Type locality: “Touran Russe” [въ верхней долине Заравшана, близъ Варзаминара] [in upper valley of Zerafshan, near Varzaminor, Hodzhent Province of Tadzhikistan] (ERSCHOFF, 1874).

= *Spilarctia karakorumica* DANIEL, 1961; Mitt. Münch. Ent. Ges. **51**: 159, fig. Type locality: “N.W. Karakorum, Gilgit, Banidas 2600 m, 36°11' n. Br., 74°33' ö.L.” [Pakistan: Azad Kashmir].

Mountains of East Central Asia within Uzbekistan, Tadzhikistan, Kyrgyzstan: Zerafshan, Hissar, Alai Ranges, Pamir, Afghanistan; mountains of northern Pakistan and northern India, including Ladakh (Map 136).

*Spilarctia nydia-tienmushanica-semperi* species group

*Spilarctia nydia* BUTLER, 1875; Cist. Ent. **2**: 41. Type locality: “Nepal”.

Northern Vietnam; China: Yunnan, Guangdong, Jiangxi, Jiangsu, Zhejiang, Fujian; Taiwan; Indochina (Vietnam, Thailand).

*S. nydia tienmushanica* DANIEL, 1943 **comb. nov. et stat. nov.**; Mitt. Münch. Ent. Ges. **33** (2/3): 694, t. 17, fig. 6-9 (*Spilarctia tienmushanica*). Type locality: “West-Tien-Mu-Shan (Chekiang) 1600 m” [China: Zhejiang].

China: Yunnan, Guangdong, Jiangxi, Jiangsu, Zhejiang, Fujian; Indochina (Vietnam, Thailand).

*S. nydia weneri* KISHIDA, 1991 **comb. nov.**; Japan Het. J. **165**: 263-264, 265-266, fig. 4-5 (*Spilarctia tienmushanica weneri*). Type locality: “Lushan Spa (1,200 m), Nantou Hsien” [Taiwan].

= *seriatotunctata* auct.

*Spilarctia semperi* (ROTHSCHILD, 1910); Novit. Zool. **17** (2): 150-151; 18: t. 3, f. 12 (*D.[iacrisia] semperi*). Type locality: “Mount Talang and Batang Proepoe, Padang Bovenlanden, West Sumatra” [Indonesia].

*Spilarctia obliqua* species group (the group was revised by THOMAS, 1984)

*Spilarctia obliqua* (WALKER, 1855); List Spec. lep. Ins. Colln. Br. Mus. **3**: 679 (*Spilosoma obliqua*). Type locality: In the original description specimens were cited only from “Sydney” and “New South Wales”; nevertheless, HAMPSON (1901: 290) designated specimen from “N. India” as the type of this species; THOMAS (1984) accepted this point of view. Probably, WALKER was not correct in citing the label.

= *Spilosoma suffusa* WALKER, 1855; List Spec. lep. Ins. Colln. Br. Mus. **3**: 677-678. Type locality: “Punjab” [India or Pakistan: Punjab]. Lectotype (as type) designated by HAMPSON (1901: 302).

= *Spilosoma dentilinea* (MOORE, 1872); Proc. Zool. Soc. London **1872**: 573. Type locality: “Darjeeling” [India: West Bengal].

= *Spilarctia confusa* Butler, 1875; Cist. Ent. **2**: 42. Type locality: “N. India”. Lectotype designated by THOMAS (1984: 88).

= *Spilarctia howra* MOORE, 1879; Descr. New Indian Lepid. Ins. ATKINSON: **40**. Type locality: “Calcutta” [India: West Bengal]. Lectotype (as type) designated by HAMPSON (1901: 291).

= *D.[iacrisia] assamensis* ROTHSCHILD, 1910; Novit. Zool. **17** (2): 136-137. Type locality: “Assam” [India]. Lectotype (as type) from “Assam, Digboi” designated by HAMPSON (1920: 399).

South-eastern Afghanistan; northern Pakistan; India; Bangladesh; Nepal; Bhutan; Burma (Myanmar) (THOMAS, 1984).

*Spilarctia montana* (GUÉRIN-MÉNEVILLE, 1843); Souv. Voy. Inde **2**: 92, t. 26, f. 3 (*Arctia*). Type locality: “Nilgiris” [India: Kerala or Tamil Nadu].

= *Arctia indica* GUÉRIN-MÉNEVILLE, 1843; Souv. Voy. Inde **2**: 93. Type locality: “Nilgiris” [India: Kerala or Tamil Nadu].

Southern India: Tamil Nadu (THOMAS, 1984). Note: *Arctia indica* GUÉRIN-MÉNEVILLE, 1843 is an objective synonym of *Arctia montana* GUÉRIN-MÉNEVILLE, 1843 based on same type specimen.



*Spilarctia punctata* species group (the group was revised by THOMAS, 1992 [1993])

- Spilarctia congruenta* (THOMAS, 1992 [1993]); Nachr. Ent. Ver. Apollo **13** (3a): 294-296 (*Spilosoma*). Type locality: "Sumatra, Dolok Merangir" [Indonesia].
- Spilarctia denigrata* (THOMAS, 1992 [1993]); Nachr. Ent. Ver. Apollo **13** (3a): 287-289, Abb. 1 (*Spilosoma*). Type locality: "Sumatra, Straße Siantar-..., ca. 1450 m [recte 1150 m!]" [Indonesia].
- Spilarctia gopara* (MOORE, 1859); Cat. Lep. Ins. Mus. Nat. Hist. East Ind. House **2**: 356, t. 9a, f. 11 (*Spilosoma Gopara*). Type locality: "Darjeeling" [India: West Bengal].  
Nepal; eastern India: Sikkim, Assam (THOMAS, 1992 [1993]); Indochina (CANDÈZE, 1927; ČERNÝ & PINRATANA, 2009).
- Spilarctia hosei* (ROTHSCHILD, 1910); Novit. Zool. **17** (2): 137 (*Diacrisia*). Type locality: "Mount Mulu, North Borneo, 1000-4000 ft." [Malaysia].  
Sundaland: Borneo; Philippines: Palawan (THOMAS, 1992).
- Spilarctia kareli* (THOMAS, 1992 [1993]); Nachr. Ent. Ver. Apollo **13** (3a): 291-293, Abb. 3 (*Spilosoma*). Type locality: "Philippinen, Mindanao, Bukidnon, 40 km sw Maramag, Dalongdong, 800 m".
- Spilarctia murzini* DUBATOLOV, 2005; Atalanta **36** (3/4): 526-527, fig. 1, col. pl. 13, fig. 1 [*Spilarctia (punctata) murzini*]. Type locality: "C. China, Shaanxi, Tai Bai Shan Mts, 1600 m 33°35'N, 107°43'E".
- Spilarctia percellens* (THOMAS, 1992 [1993]); Nachr. Ent. Ver. Apollo **13** (3a): 289-291, Abb. 2 (*Spilosoma*). Type locality: "Malaysia, Cameron Highlands, ca. 1000 m".
- Spilarctia phaea* (HAMPSON, 1901); Cat. Lep. Phal. Colln. Br. Mus. **3**: 262, 309, t. 46, f. 17 (*Diacrisia phaea*). Type locality: "Bali" [Indonesia].
- Spilarctia procedra* (SWINHOE, 1907); Ann. Mag. Nat. Hist. (7) **20**: 76-77 (*Diacrisia*). Type locality: "Padang, Sumatra" [Indonesia] (THOMAS, 1992 [1993]).  
Thailand; Malay Peninsula; Indonesia: Sumatra to Bali.
- Spilarctia punctata* (MOORE, 1859); Cat. Lep. Ins. Mus. Nat. Hist. East Ind. House **2**: 355 (*Spilosoma punctata*). Type locality: "Java" [Indonesia]. Lectotype designated by THOMAS (1992 [1993]: 293).  
=*Diacrisia fuscitincta* HAMPSON, 1901; Cat. Lep. Phal. Colln. Br. Mus. **3**: 258, 280, t. 45, f. 1. Type locality: "JAVA ... Arjuno, 3000 feet" [Indonesia].  
Indonesia: Java (THOMAS, 1992 [1993]), Bali. Other records from India: Sikkim, Assam, Nagaland; Burma (Myanmar), Indochina (CANDÈZE, 1927) are incorrect determinations.
- Spilarctia siberuta* DUBATOLOV, 2006; Atalanta **37** (3/4): 400, colour plate 9, fig. 1, gen. fig. 1 [*Spilarctia (punctata) siberuta*]. Type locality: "Indonesia, Mentawai isls, Siberut isl., Bojakan".
- Spilarctia thomasi* (HOLLOWAY, 1988); Moths of Borneo **6**: 44-45, pl. 3:12, fig. 79 (gen.) (*Spilosoma*). Type locality: "SARAWAK: Gunong Mulu Nat. Park. ... 900m" [Malaysia: Borneo].
- Spilarctia ummera* SWINHOE, 1889; Proc. Zool. Soc. London **1889**: 405, t. 43, f. 1. Type locality: "Bassein, Burmah" [Burma (Myanmar)].  
Burma (Myanmar); Thailand.

*Spilarctia strigatula* species group

- Spilarctia amilada* (SWINHOE, 1907); Ann. Mag. Nat. Hist. (7) **20**: 75-76 (*Diacrisia*). Type locality: "Padang, Sumatra" [Indonesia].  
?= *Chelonia cervina* WALLENGREN, 1860; Wien. Ent. Monat. **4**: 162. Type locality: "Malacca" [Malaysia].  
Indonesia: Sumatra, Nias, Siberut; Malaysia: Malay Peninsula.
- Spilarctia continentalis* ROTHSCCHILD, 1910 **stat. nov.**; Novit. Zool. **17**: 147; 18: t. 3, f. 31 (*D.[iacrisia] sumatrensis continentalis*). Type locality: "Perak" [Malaysia].
- Spilarctia griseabrunnea* (HOLLOWAY, 1976); Moths of Borneo: **4**, fig. 23, pl. 1: 11 (*Spilosoma rhodius griseabrunnea*). Type locality: "Tuaran ... [SABAH: Tuaran 10 m]" [Malaysia: Borneo].
- Spilarctia rubescens* (WALKER, 1855); List Spec. lep. Ins. Colln. Br. Mus. **3**: 677 (*Spilosoma rubescens*). Type locality: "East Indies".  
Lectotype (as type) from Burma (Myanmar): Moulmein was designated by HAMPSON (1901: 306).  
=*Spilosoma strigatula* auct. Nepal; Burma (Myanmar); China: Yunnan; Indochina; Indonesia: Sumatra (mountains).
- Spilarctia strigatula* (WALKER, 1855); List Spec. lep. Ins. Colln. Br. Mus. **3**: 613-614 (*Arctia strigatula*). Type locality: "Java" [Indonesia].
- Spilarctia sumatrana* (SWINHOE, 1905); Ann. Mag. Nat. Hist. (7) **16**: 143 (*Diacrisia sumatrana*). Type locality: "Soekaranda, Sumatra" [Indonesia].
- Spilarctia vandepolli* (ROTHSCCHILD, 1910); Novit. Zool. **17** (2): 155 (*D[iacrisia]*). Type locality: "Batang Proepoe, Padang Bovenlanden, 1500 m." [Indonesia, Sumatra].  
Indonesia: Sumatra; Malaysia; Philippines; Thailand.

Subgenus *Rhodareas* KIRBY, 1892; Syn. Cat. Lep. Het. **1**: 254 (but attributet to BUTLER).

Type species: *Arctia melanopsis* WALKER, [1865] 1864, by subsequent designation by WATSON (1980); Gen. Names Moths World **2**: 170.

- Spilarctia (Rhodareas) melanopsis* (WALKER, [1865] 1864); List Spec. lep. Ins. Colln. Br. Mus. **31**: 280 (*Arctia*). Type locality: "Ceylon" [Sri Lanka].  
=*Aloa callisoma* FELDER, 1874; Reise ost. Fregatte Novara (Zool.) Lep. **4**: t. 101, f. 4, index. Type locality: "Ceylon" [Sri Lanka].

Unsorted species of *Spilarctia*

- Spilarctia adelphus* (ROTHSCCHILD, 1920); J. Fed. Malay St. Mus. **8**: 112-113 (*Diacrisia adelphus*). Type locality: "West Sumatra ... Sungei Kumbang, Korinchi" [Indonesia]. Figured by VAN EECKE (1927b), Zool. Med. **10**: pl. 4: fig. 6. Indonesia: Sumatra.
- Spilarctia alba* (BREMER & GREY, 1853); Ét. d'Ent. **1**: 64 (*Chelonia*). Type locality: "environs de Pekin" [China: Beijing]. Lectotype

- designated by DUBATOLOV (1996a: 342).
- =*Spilosoma robustum* LEECH, 1899; Trans. Ent. Soc. London **1899**: 149-150. Type locality: "Moupin" [China: Sichuan].
- =*Spilarctia robusta tapaishani* DANIEL, 1943; Mitt. Münch. Ent. Ges. **33** (2/3): 700, t. 20, fig. 22. Type locality: "[Tapaishan im Tsi-ling (Süd-Shensi)]" [China: Shaanxi]. China: Sichuan, Yunnan, Guangxi, Hunan, Hubei, Jiangxi, Fujian, Zhejiang, Hunan, Jiangsu, Shaanxi, Shangdong, Hebei (?), Beijing; Far East Russia: Khabarovsk suburbs (DUBATOLOV & DOLGIKH, 2010); South Korea (OKAMOTO, 1924; NAM, 1985) (Map 137). Note: The species name was revised by DUBATOLOV, & KISHIDA (2005b).
- S. alba hainana* (ROTHSCHILD, 1910); Novit. Zool. **17** (2): 123 (*Diacrisia robusta hainana*). Type locality: "Chengmai, Hainan ... Hainan". [China: Hainan]  
Note: The type has no black spots on the tegulae, so it might be a different species from *S. alba* BREM. & GREY (= *robusta* LEECH).
- S. alba kikuchii* (MATSUMURA, 1927); J. Coll. Agric. Hokkaido Imp. Univ. **19** (1): 54-55, t. 4, fig. 26 (*Diacrisia kikuchii*). Type locality: "Formosa (Horisha)" [Taiwan].
- =*Diacrisia baibarana* MATSUMURA, 1927; J. Coll. Agr. Hokkaido Imp. Univ. **19** (1): 55, pl. 4, f. 31. Type locality: "Formosa; ... Baibara ... Horisha" [Taiwan].
- Spilarctia albicornis* (HAMPSON, 1900); J. Bombay Nat. Hist. Soc. **13**: 499 (*Spilosoma*). Type locality: "Ceylon" [Sri Lanka].
- Spilarctia ardens* (KISHIDA, 1987); Gekkan-Mushi **191**: 19-20, fig. 1-2 (*Spilosoma*). Type locality: "Philippines, Luzon, Barling".
- Spilarctia aurocostata* (OBERTHÜR, 1911); Et. Lép. comp. **5** (1): 337, t. 83, fig. 788 (*Diacrisia Aurocostata*). Type locality: "Tâ-tsiens-Lou" [China: Sichuan]. China: Sichuan, Yunnan, Shaanxi.
- Spilarctia baltazarae* (ČERNÝ, 1995); Nachr. Ent. Ver. Apollo Suppl. **14**: 171-173, fig. 19 (*Spilosoma*). Type locality: "Philippinen, Mindanao, Mt. Apo, W-Flanke, 1200 m, Sekundärwald".
- Spilarctia bifascia* HAMPSON, 1891; Ill. Het. Br. Mus. **8**: 55, t. 140, f. 21. Type locality: "the Nilgiri District of Southern India ... S. slopes, 3000 feet" [India: Kerala or Tamil Nadu]. Southern India. Note: ČERNÝ & PINRATANA (2009) cited this species from Nepal and Thailand. However, such specimens have a black longitudinal dorsal line on the thorax, while there is no such line on the figure in the original description of *S. bifascia* HMPSON.
- Spilarctia bifasciata* BUTLER, 1881; Trans. Ent. Soc. London **1881**: 7. Type locality: "Tokei" [Japan].  
Japan: Hokkaido, Honshu, Shikoku, Kyushu.
- Spilarctia bipunctata* DANIEL, 1943 stat. nov.; Mitt. Münch. Ent. Ges. **33** (2/3): 701, t. 14, f. 19 (*Spilarctia comma bipunctata*). Type locality: "Li-kiang (Nord-Yuennan)" [China]. China: Sichuan, Yunnan, Shaanxi; northern Thailand. Note: The species has noticeable distinguishing characters from *S. comma* Wlk. in the  $\sigma$  genitalia structure.
- Spilarctia brunnea* (HEYLAERTS, 1890); Compt. Roy. Soc. Ent. Belg. **34**: XXIX (1890) (*A.[rctia]*). Type locality: "Padang" + "Fort-de-Kock (Sumatra)" [Indonesia: Sumatra].
- =*S.[pilarctia] Heylaertsii* KIRBY, 1892; Syn. Cat. Lep. Het. **1**: 908. Type locality: "Sumatra" [Indonesia].  
Indonesia: Sumatra; Thailand (ČERNÝ & PINRATANA, 2009).
- Spilarctia castanea* HAMPSON, 1893; Ill. Het. Br. Mus. **9**: 79, t. 158, f. 26, 27 (*Spilosoma*). Type locality: "Ceylon" [Dickoya] (HAMPSON, 1901) [Sri Lanka].
- Spilarctia clava* (WILEMAN, 1910); Entomologist **43**: 189-190 (*Diacrisia clava*). Type locality: "Rantaizan" [Taiwan].
- Spilarctia coccinea* (HAMPSON, 1907); Ann. Mag. Nat. Hist. (7) **19**: 237 (*Diacrisia*). Type locality: "PHILIPPINES, Luzon, Benguet Prov., Irisan".
- Spilarctia comma* (WALKER, 1856); List Spec. lep. Ins. Colln. Br. Mus. **7**: 1703 (*Aloa comma*). Type locality: "Hindostan" [India].
- =*Spilosoma abdominalis* MOORE, 1859; Cat. Lep. Ins. Mus. Nat. Hist. East Ind. House **2**: 356. Type locality: "N. India".  
India: Kashmir, Himachal Pradesh, Uttar Pradesh; Nepal; China: Tibet; Bhutan.
- S. comma wittmeri* DE TOULGOËT, 1975; Ent. Basiliensia **1**: 115-116, fig. 1 (*Spilosoma comma wittmeri*). Type locality: "Bhutan, Thimphu". Bhutan; probably also neighbouring territories.
- Spilarctia contaminata* (WILEMAN, 1910); Entomologist **43**: 247 (*Aloa*). Type locality: "Kanshirei (1000 ft.)" [Taiwan].
- Spilarctia dukouensis* FANG, 1982; Acta Ent. Sinica **25** (2): 201, 203, f.1. Type locality: "Sichuan (Dukou)" [China].  
China: Sichuan, Yunnan.
- Spilarctia eldorado* (ROTHSCHILD, 1910); Novit. Zool. **17** (2): 150; 18: t. 3, f. 11, 13 (*D.[iacrisia]*). Type locality: "Khasia Hills, Assam" [India: Meghalaya]. Lectotype (as a type) designated by HAMPSON (1920: 387).  
Northern Pakistan; Sri Lanka; India; Thailand.
- Spilarctia extirpata* (ČERNÝ, 2009); Moths of Thailand **6**: 184, pl. 41, fig. 41 (*Spilosoma*). Type locality: "SW THAILAND, Chumphon, Pa Toh, Ban Lang Tang, 162 m, 9°46'5"N, 98°46'59"E".
- Spilarctia gianellii* (OBERTHÜR, 1911); Et. Lép. comp. **5** (1): 336, pl. 82, fig. 774 (*Diacrisia Gianellii*). Type locality: "Tse-Kou" [China: Sichuan]. China: Tibet, Sichuan, Yunnan. Inhabit high mountains up to 4500 m a.s.l.
- Spilarctia hetera* (ČERNÝ, 2009); Moths of Thailand **6**: 407 (*Spilosoma*). Type locality: "SE THAILAND, Trat Prov. Lam Noob distr., Ban Noen-Ki-Lai, 156 m, 12°14'N, 102°24'35"E".
- Spilarctia irregularis* (ROTHSCHILD, 1910); Novit. Zool. **17** (2): 125, 18: pl. 14, fig. 25 (*D.[iacrisia]*). Type locality: "Ichang, West China" [China: Hubei]. China: Sichuan, Yunnan, Hunan, Hubei, Henan, Shaanxi.

- Spilarctia javana* (ROTHSCHILD, 1910); Novit. Zool. **17** (2): 137 (*D[iacrisia] javana*) Type locality: "West Java" [Indonesia].  
 = *D[iacrisia] procera* ROTHSCCHILD, 1910, nomen nudum; Novit. Zool. **17** (2): 129. Type locality: "Mount Talang, Padang Bovenlanden, West Sumatra; ... Pulo Nias ...; ... Lahago, Nias" [Indonesia].  
 = *Diacrisia procera* SWINH.; ROTHSCCHILD, 1914, Gross-Schmett. Erde **10**: 244. Type locality: "Java" [Indonesia].  
 Indonesia: Sumatra, Nias, Java.
- Spilarctia longiramia* (HAMPSON, 1901); Cat. Lep. Phal. Colln Br. Mus. **3**: 261, 302, t. 46, f. 1 (*Diacrisia*). Type locality: "Sumatra" [Indonesia].  
 = *Spilosoma holophaeum* ROEPKE, 1954; Idea **10**: 16-17; O. S. R.-Publication **41**: 3-4, pl. 1, fig. 1. Type locality: "Tjibodas 1400 m, Gedeh, W. Java" [Indonesia].
- Spilarctia lutea* (HUFNAGEL, 1766); Berlin. Mag. **2**: 412 (*Phalaena lubricipeda lutea*). Type locality: "Berlinisch" [Germany].  
 = [*Phalaena Bombyx*] *Zatima* [STOLL], 1782; Pap. Exot. **4**: 182, t. 381, fig. F. Type locality: „Suriname“, not correct, should be Europe.  
 = *Bombyx radiatus* HAWORTH, 1812; Trans. Ent. Soc. London **1**: 336. Type locality: "Brit.[ain]".  
 = [*Spilosoma lubricipeda*] *hartigi* DANNEHL, 1928; Ent. Z. **42** (8): 88. Type locality: "[Südtirols] Teil Uebergänge; Bozen, Sigmundskron" [Italy: Trentino-Alto Adige: Bozano].  
 = *S[pilosoma] lubricipedum reisseri* KOUTSAFTIKIS, 1973; Ann. Mus. Goulandris **1**: 224, pl. 32, f. 35-36. Type locality: "Thasos: Limin" [Greece].  
 West Europe north to southern Scandinavia (excluding central, southern and eastern parts of Iberian Peninsula); Baltia; Belarus; Ukraine, Crimea; European Russia north to Karelia, Kotlas, West Caucasus; western Transcaucasia (Abkhasia, Georgia); northern Turkey; northern Kazakhstan; Asian Russia north to Tobolsk, Chulym River, Krasnoyarsk, Irkutsk; eastern part of Chita Province, Amur Province, Jewish Autonomous Region, south part of Khabarovsk Province north to Amur River mouth, Primorye, Sakhalin, South Kuriles (from Urup to Kunashir); China (Dunbei, Hebei, Shaanxi); Korea; Japan (Hokkaido, Honshu, Shikoku, Kyushu). The nominotypical subspecies is distributed from Europe to Amur basin (Map 138).
- S. lutea adzharica* DUBATOLOV, 2007; Atalanta **38** (3/4): 353-354, col. plate 18, fig. 15-16, gen. fig. 13. Type locality: "[GEORGIA, Adzharia], Tsikhiz-dziri". Transcaucasia: Western Georgia.
- S. lutea japonica* (ROTHSCHILD, 1910), Novit. Zool. **17** (2): 131 (*D[iacrisia] lutea japonica*). Type locality: "Yokohama, Japan".  
 = *Spilarctia obliqua bergmani* BRYK, 1942; Deut. Ent. Z. Iris **56**: 31. Type locality: "Urup, Tokotanbai" [Russia: Kuriles].  
 = *Spilarctia obliqua ursulina* BRYK, 1942; Deut. Ent. Z. Iris **56**: 31-32. Type locality: "Kunashiri (Tomari)" [Russia: Kuriles].  
 = *Diacrisia lutea rhododactyla* BRYK, 1948 [1949]; Ark. Zool. **41** A (1): 41, t. 1, fig. 5. Type locality: "Gekatsungu" [North Korea].  
 Far Eastern Russia: Primorye, Sakhalin, South Kuriles; eastern China; Korea; Japan.
- S. lutea rhodosoma* (TURATI, 1907); Nat. Sicil. **20** (1-3): 38-44, t. 3, fig. 10-13, t. 5, 16-17 (*Spilosoma rhodosoma*). Type locality: "dovebbe estendersi a tutta la Sicilia, poiché egli dice di aver osservato nella collezione Ragusa esemplari molto vecchi" [Italy].
- Spilarctia metaxantha* HAMPSON, 1901; Cat. Lep. Phal. Colln. Br. Mus. **3**: 260, 293, t. 45, f. 14 (*Diacrisia*). Type locality: "Burma, Myingyan" [Burma (Myanmar): Mandalay].
- Spilarctia mona* (SWINHOE, 1885); Proc. Zool. Soc. London **1885**: 295, t. 20, f. 3, 4 (*Spilosoma*). Type locality: "Mahableschwur" [India, Maharashtra: Mahabaleshwar]. Note: KALEKA (2005) transferred it to *Thanatarctia* BTL. (=subgenus *Thyrgorina* WLK. of *Lemyra* WLK.); according to the figures in the original description, this was not correct.
- Spilarctia motuonica* FANG, 1982; Acta Ent. Sinica **25** (2): 202, 203. Type locality: "Xizang (Motuo)" [China: Tibet].
- Spilarctia nigrovittata* (MATSUMURA, 1911); Thous. Ins. Jap. Suppl. **3**: 74-75, pl. 35, f. 30 (*Cretonotos nigrovittatus*). Type locality: "Formosa (Hoppo)" [Taiwan].
- Spilarctia obliquizonata* (MIYAKE, 1910); J. Coll. Agric. Imp. Univ. Tokyo **2**: 208 (*Diacrisia obliquizonata*). Type locality: "Hatsushika, Tajima, Hyogo Prefecture" [Japan].  
 = *Diacrisia hirayamae* MATSUMURA, 1927; J. Coll. Agric. Hokkaido Imp. Univ. **19**: 57, t. 5, fig. 44. Type locality: "Honshu (Tokyo)" [Japan].  
 Russia: southern Sakhalin, South Kuriles; Japan: Hokkaido, Honshu, Shikoku, Kyushu.
- Spilarctia pallidivena* (ČERNÝ, 2009); Moths of Thailand **6**: 185, 207-208, pl. Genitalia 4, fig. 371, pl. 41, fig. 371 (*Spilosoma*). Type locality: "SW Thailand, Chumphon, Pa Toh, Ban Lang Tang, 162 m, 9°46'5"N, 98°46'59"E".
- Spilarctia quercii* (OBERTHÜR, 1911); Ét. Léop. comp. **5** (1): 336, t. 82, fig. 773 (*Estigmene Quercii*). Type locality: "Siao-Lou" [China: Sichuan].  
 = [*Spilarctia*] *nigrodorsata* REICH, 1932; Int. Ent. Z. **26** (22): 233, t. 1, f. 1. Type locality: "Nanshangebirge" [China: Gansu or Qinghai].  
 = *Spilarctia minschani* O. BANG-HAAS, 1938; Ent. Z. **52** (22): 178-179. Type locality: "China mer. occ., Minschan mont. or., Pullow-Berg, 3500 m" [China: Shaanxi]. China: Shanxi, Shaanxi, Gansu, Qinghai, Hubei, Hunan, Sichuan, Yunnan.
- Spilarctia rhodius* (ROTHSCHILD, 1920); J. Fed. Malay St. Mus. **8**: 113 (*Diacrisia*). Type locality: "West Sumatra ... Korinchi" [Indonesia].
- Spilarctia rostagnoi* (OBERTHÜR, 1911); Et. Léop. comp. **5**(1): 336, t. 82, fig. 771-772 (*Estigmene*). Type locality: "Siao-Lou et Tchang-Kou" [China: Sichuan].
- Spilarctia seriatopunctata* (MOTSCHULSKY, [1861]); Ét. d'Ent. **9**: 31 (*Arctia seriatopunctata*). Type locality: "[Japon, ..., aux environs de Khokodody]" [Japan: Hokkaido: Hakodate].  
 = *Spilarctia ione* BUTLER, 1875; Cist. Ent. **2**: 41. Type locality: "Hakodadi, Japan" [Japan: Hokkaido: Hakodate].  
 = *Spilarctia rosacea* BUTLER, 1879; Ann. Mag. Nat. Hist. (5) **4**: 352. Type locality: "[Yokohama]" [Japan: Honshu].  
 = *Spilarctia basilimbata* BUTLER, 1881; Trans. Ent. Soc. London **1881**: 6-7. Type locality: "Tokei" [Japan: Honshu, Tokyo].  
 = *Spilarctia casigneta sjoquisti* BRYK, 1942; Dt. Ent. Z. Iris **56**: 32 (*Spilarctia casigneta sjoquisti*). Type locality: "Kunashiri (To-

mari)” [Russia: South Kuriles: Kunashir, Golovnino]. Far Eastern Russia: south regions of Amur province, Jewish Autonomous Region, south part of Khabarovsk Region north to Komsomolsk-na-Amure, Primorye, South Sakhalin, South Kuriles (Kunashir only; records from Iturup and Urup (KONOVALOVA, 1968) should be reidentified); Korea; China (Heilongjiang, Jilin, Shaanxi, Jiangxi, Fujian, Sichuan; Japan (Hokkaido, Honshu, Shikoku, Kyushu, Tsushima, Yaku, Amami, Okinawa). The nomotypical subspecies is distributed in Japan and South Kuriles (Kunashir) (Map 139).

*S. seriatopunctata azumai* (INOUE, 1982); Moths of Japan **1**: 651; 2: 78, 339, pl. 158: 21, 22 (*Spilosoma seriatopunctata azumai*). Type locality: “Okinawa-hon-jima Yona” [main island of Okinawa, Yona; Japan].

*S. seriatopunctata nudum* (INOUE, 1976); Bull. Fac. domest. Sci. Otsu Univ. **12**: 168, pl. 2, fig. 36-37 (*Spilosoma seriatopunctata nudum*). Type locality: “Nishinakama, Amami-ōshima” [Japan, Ryukyu].

*S. seriatopunctata striatopunctata* OBERTHÜR, 1879 stat.nov.; Diagnoses espèces nouv. Lepid. Ile d’Askold: 6-7 (*Spilosoma Striato-Punctata*). Type locality: “Ile Askold” [Russia: South Primorye].

= *Diacrisia seriatopunctata varians* BRYK, 1948 [1949]; Ark. Zool. **41A**: 41-42. Type locality: “Shuotsu” [North Korea].

Far Eastern Russia: south regions of Amur province, Jewish Autonomous Region, south part of Khabarovsk Region north to Komsomolsk-na-Amure, Primorye; Korea; north-eastern China.

Note: The subspecific status of the continental specimens was affirmed by WITT (1985) first.

*S. seriatopunctata suzukii* (INOUE & MAENAMI, 1963); Tinea **6**: 43-44, pl. 8, f. 7-9 (*Spilosoma seriatopunctata suzukii*). Type locality: “[Izu Islands] ... Power Plant, Hachijojima” [Japan]. Japan: Izu Islands south-east from Honshu.

*Spilarctia subcarnea* (WALKER, 1855); List Spec. lep. Ins. Colln. Br. Mus. **3**: 675-676 (*Spilosoma subcarnea*). Type locality: “Hong Kong” [China].

= *Aloa bifrons* WALKER, 1855; List Spec. lep. Ins. Colln. Br. Mus. **3**: 705. Type locality: “North China”.

= *Aloa leucothorax* C. & R.FELDER, 1862; Wien. Ent. Monatsschr. **6**: 36. Type locality: “prope Ningpo” [China: Zhejiang].

= *Spilosoma erubescens* MOORE, 1877; Ann. Mag. Nat. Hist. (4) **20**: 89. Type locality: “Shanghai” [China].

= *Spilosoma Rybakowi* ALPHERAKY, 1897; Mém. lép. **9**: 171, t. 10, f. 9. Type locality: “Corée” [40 versts from Gensan, now - Weonsan (DUBATOLV, 1996a), North Korea].

= *D[iacrisia] robustum tsingtauana* ROTHSCHILD, 1910; Novit. Zool. **17** (2): 123. Type locality: “Tsingt’an, N.E.China” [China, Shangdong].

= *Diacrisia shakojiana* MATSUMURA, 1927; J. Coll. Agric. Hokkaido Imp. Univ. **19** (1): 58, pl. 4, f. 30. Type locality: “Corea ... Shakojji” [Suk-Wang-Sa] [North Korea].

= *Spilarctia subcarnea charbyni* DANIEL, 1943; Mitt. Münch. Ent. Ges. **33** (3): 696, t. 19, f. 7, 8. Type locality: “Charbin” [China: Heilongjiang, Harbin].

Far Eastern Russia: Khabarovsk suburbs, southern Primorye; Kamchatka (KURENTZOV, 1966) looks to be a false locality; Korea; China: Sichuan, Yunnan, Guangdong, Hongkong, Hunan, Hubei, Shaanxi, Shangdong, Hebei, Nei Mongol, Dunbei, Jiangxi, Jiangsu, Zhejiang, Fujian; Taiwan; Japan (Hokkaido, Honshu, Shikoku, Kyushu, Tsushima, Yaku, Okinawa) (Map 140).

*Spilarctia tengchongensis* FANG & CAO, 1984; Entomotaxonomia **6** (2-3): 176, 177, fig. 3. Type locality: “Tengchong (1740 m)” [China: Yunnan].

*Spilarctia terminicomma* (ČERNÝ, 2009); Moths of Thailand **6**: 187-188 (*Spilosoma*). Type locality: “SE THAILAND, Trat Prov. Lam Noob, Ban Noen-Ki-Lai, 156 m, 12°14’ N, 102°24’35’’E”. Thailand: Trat, Koh Chang Island.

*Spilarctia tigrina* (MOORE, 1879); Proc. Zool. Soc. London **1879**: 398, t. 32, f. 4 (*Rhyparia*). Type locality: “Pulney Hills, S. India” [India: Tamil Nadu].

*Spilarctia todara* (MOORE, 1872); Proc. Zool. Soc. London **1872**: 574 (*Spilosoma todara*). Type locality: “Coonoor, Nilgiris” [India: Tamil Nadu].

= *Diacrisia hamptoni* ROTHSCHILD, 1914; Gross-Schmett. Erde **10**: 243, f. 21d. Type locality: “Nilgiri-Berge” [S. India: Tamil Nadu or Kerala]. Figured by THOMAS (1990), Nota Lep. **13** (2-3): fig. 7-9.

*Spilarctia toxopei* (ROEPKE, 1954); Idea **10**: 16; O.S.R.-Publications **41**: 3, pl. 1, fig. 4 (*Spilosoma*). Type locality: “Wanasari near Bandung, 1400 m, W. Java” [Indonesia].

*Spilarctia venata* (WILEMAN, 1915); Entomologist **48**: 110 (*Diacrisia venata*). Type locality: “Haight’s Place, Pauai, Luzon (7000 ft.)” [Philippines]. Note: Related to *S. whiteheadi* ROTHSCH.

*Spilarctia whiteheadi* (ROTHSCHILD, 1910); Novit. Zool. **17** (2): 151 (*D[iacrisia] whiteheadi*). Type locality: “North Luzon, Philippine Islands, 5000-6000 ft.”.

*Spilarctia wilemani* (ROTHSCHILD, 1914); Macrolep. World **10**: 249, f. 19f (*Diacrisia*). Replacement name for *Aloa vivida* WILEMAN, 1910, nec ROTHSCHILD (1910).

= *Aloa vivida* WILEMAN, 1910; Entomologist **43**: 246. Type locality: “Kanshirei (1000 ft.) ... Rantaizan (7500 ft.)” [Taiwan]. Taiwan; Japan (Ryukyu).

*Spilarctia yukikoeae* KISHIDA, 1995; Moths of Nepal **4**: 43, pl. 107, f. 19. Type locality: “Sagarmatha, Thaktok (3,100 m)” [Nepal].

*Phragmatobia* STEPHENS, 1828, Illust. Br. Ent. (Haustellata) **2**: 55, 73.

Type species: *Phalaena fuliginosa* LINNAEUS, 1758, by monotypy (the genus was partly revised by DANIEL, 1970b).

*Phragmatobia amurensis* SEITZ, 1910; Gross-Schmett. Erde **2**: 79, fig. 16b ([*Phragmatobia fuliginosa*] *amurensis*). Type locality: “[Amur]” [Russia].

= *Phragmatobia fuliginosa chosensis* BRYK, 1948 [1949]; Ark. Zool. **41 A**: 40-41, t. 1, fig. 3. Type locality: “Engan ... Shuotsu” [North Korea]. Far Eastern Russia: south-east Transbaikalia, Amur Province, Jewish Autonomous Region, southern part of

Khabarovsk Province north to the Amur river mouth, Primorye, southern Sakhalin, South Kuriles (from Iturup to Kunashir); China (Dunbei, Hebei); Korea; Japan (Hokkaido, Honshu) (Map 141).

*P. amurensis japonica* ROTHSCHILD, 1910; Novit. Zool. **17** (2): 116 (*Phragmatobia fuliginosa japonica*). Type locality: “Yokohama” [Japan: Honshu]. Far Eastern Russia: southern Sakhalin, South Kuriles; Japan.

*Phragmatobia fuliginosa* (LINNAEUS, 1758); Syst. Nat. (Edn. 10) **1**: 509 (*Phalena Noctua fuliginosa*). Type locality: Not stated, Europe (WATSON et al., 1980). Lectotype designated by MIKKOLA & HONEY (1993: 130).

=*Spilosoma Fuliginosa* v. *Fervida* STAUDINGER, 1871; Cat. Lep. Europ. Faunengeb. (Edn. 2) **1**: 59. Type locality: “Eur.[opa] mer. [idionalis]” “Granade m. [Spain] 13.VII.”; the type was figured by DANIEL (1970b: Taf. I, fig. 4).

=*Phragmatobia fuliginosa lurida* ROTHSCHILD, 1910; Novit. Zool. **17**: 115. Replacement name for *fervida* STAUDINGER, 1871.

=*Phragmatobia fuliginosa meridionalis* TUTT, 1904; Ent. Rec. **16**: 64. Type locality: “the south of France”.

=*Phragmatobia fuliginosa totirubra* VORBRODT, 1914; Die Schmetterlinge der Schweiz **2**: 616. Type locality: “Erbeudet bei Elgg (Gram.)” [Switzerland].

=*Phragmatobia fuliginosa monticola* DANIEL, 1970; Z. ArGe. Österr. Ent. **22**: 6-7, Taf. I, fig. 2, 3. Type locality: “Graubünden, Davos, 1600 m” [Switzerland].

North-West Africa (from Morocco to Tunisia); West Europe; Baltia; Belarus; Ukraine, Crimea; Moldova; European Russia north to Murmansk, Arkhangelsk, Komi Republic, North Caucasus; Transcaucasia; Turkey; Near East; northern Iraq; Iran; Afghanistan; Central Asia (excluding deserts); Kazakhstan; Asian Russia: Siberia north to Berezov (Lower Ob’), Podkamennaya Tunguska River, Central Yakutia, Upper Kolyma, Kamchatka, south-east to Nerchinsk in Transbaikalia; Mongolia; China (Xinjiang, Qinghai, Nei Mongol) (Map 141). North America: Canada, USA, south to New York, Pennsylvania, North Dakota, Colorado, California [*P. f. rubricosa* (HARRIS, 1841)].

*P. fuliginosa borealis* (STAUDINGER, 1871); Cat. Lep. Europ. Faunengeb. (Edn. 2) **1**: 59 (*Spilosoma Fuliginosa* v. *Borealis*). Type locality: “Lap.[ponia]; Scot.[ia]”. A type from Scotia was figured by DANIEL (1970b: Taf. I, fig. 1). Northern regions of Eurasia.

*P. fuliginosa melitensis* O. BANG-HAAS, 1927; Horae Macrolep. **1**: 59, t. 8, fig. 8. Type locality: “Insel Malta (Brakenhiem)”.

*P. fuliginosa paghmani* LÉNEK, 1966; Z. Wiener Ent. Ges. **77** (8): 105-106. Type locality: “Afgh. Paghman, 2500 m, 30 km nordwest von Kabul” [Afghanistan].

=*Phragmatobia fuliginosa nawari* EBERT, 1973; Reichenbachia **14** (8): 55-56, Abb.2. Type locality: “Zentral Afghanistan, Dasht-i-Nawar nordwestl. von Ghazni, 3000 m”. Transcaucasia: Azerbaijan; Iran; northern Iraq; Afghanistan; Central Asia; southern Kazakhstan; China (western Xinjiang). Note: *P. f. nawari* EBERT is only a darker mountain form.

*P. fuliginosa pulverulenta* (ALPHERAKY, 1889); Mém. lep. **5**: 84 (*Spilosoma Fuliginosa* L. var. *Pulverulenta*). Type locality: “N.E. du Thibet” [China: Qinghai]. Lectotype designated by DUBATOLOV (1996a: 347).

=*Phragmatobia fuliginosa pallida* ROTHSCHILD, 1910; Novit. Zool. **17** (2): 116. Type locality: “Kuku-nor, Thibet ... Ganssu, West China” [China: Qinghai, Gansu].

=*Phragmatobia fuliginosa tibetica* STRAND, 1919; Lep. Cat. **22**: 416. Replacement name for *P. f. pallida* ROTHSCHILD, 1910. China: eastern Xinjiang, Qinghai, Nei Mongol; southern aimaks of Mongolia; south-eastern Kazakhstan (partly).

*P. fuliginosa taurica* DANIEL, 1970; Z. ArGe. Österr. Ent. **22**: 9-10, Taf. I, fig. 7, 8 (*Phragmatobia fuliginosa taurica*). Type locality: “Syria sept., Amanus mont., Dül-Dül Dagh”. Near East: from southern Turkey to Palestina.

*Phragmatobia placida* (FRIVALDSZKY, 1835); Mag. Tud. Tars. Evk. **2**: 271, t. 7, f. 5 (*Euprepia*). Type locality: “... a’ Balkány’ és Philippopolis’ vidékein”. [“Открыть е биль отъ Е. FRIVALDSKY въ околностите на Пловдивъ презъ пролетъта на 1833 г.” [Bulgaria: Plovdiv] (Бурещ, Тулешков, 1943; Изв. Царск. Природонауч. Инст. София 16: 96). West Europe: Balkans north to Istria, Albania and Bulgaria; south coast of Crimea; Transcaucasia (Armenia); Turkey; Syria; Palestina; northern Iraq; northern Iran (Map 142).

*P. placida mirzayansi* DUBATOLOV & ZAHIRI, 2005; Atalanta **36** (3/4): 505-506, fig. 16, col. pl. 12, fig. 61. Type locality: “Tehran, Karaj, Shahrestanak, Sarak, 2100 m” [Iran]. Northern Iran: high altitudes of Alburz Mts.

*P. placida unipuncta* AMSEL, 1935; Veröff. Dt. Kol. Mus. Bremen **1** (2): 246. Type locality: “Tga. [Tabgha, römisch-katholisches Hospiz 10 km nördlich von Tiberias, unmittelbar am See Genezareth gelegen] ... Jo. [Jericho, etwa 40 km östlich von Jerusalem in der Jordansenke, -250 m tief gelegen] ... Tel-Aviv Düne” [Israel]. Near East: Palestina, Israel.

*Eudiaphora* DUBATOLOV, 1990, Таксономия насекомых и гельминтов [Taxonomy of insects and helminths]. Novosibirsk: 93-95.

Type species: *Spilosoma turensis* ERSCHOFF, 1874, by original designation (the genus was revised by DUBATOLOV, 2004a).

*Eudiaphora turensis* (ERSCHOFF, 1874); Путешествие в Туркестан [Reise in Turkestan] **2**: 33, t. 2, f. 29 (*Spilosoma*). Type locality: “in desertis Kisil-Kum et inter Ulus et Djam ... въ пескахъ Кизиль-кумъ [in Kyzyl-kum sands] [Uzbekistan: Bukhara province] ... въ степи между Улусомъ и Джамомъ” [in steppe between Ulus and Dzhuma] [Uzbekistan: Samarkand Province] Lectotype designated by DUBATOLOV (1996a: 343).

=*Diaphora turensis maracandica* SEITZ, 1910; Gross-Schmett. Erde **2**: 92, f. 17d. Type locality: “Turkestan” [Uzbekistan: Samarkand].

=*Diaphora afghanistanensis* DANIEL, 1966; Mitt. Münch. Ent. Ges. **56** (7): 163, t. 3, f. 1. Type locality: “Afghanistan, Hazaradjat, Koh-i-Baba, Pandjao Umgebung, 2500 m”.

=*Eudiaphora turensis* f. *yuldashevi* MURZIN, 2003; Tiger Moths of the former Soviet Union: 131. Type locality: “from the environs of Bakanas, inferior flow of Ili River, Kazakhstan”.

North-eastern Iran; southern Turkmenistan (Kopetdagh and Kuhitang Mts.); eastern Central Asia: Amu-Darja, Syr-Darja, Chu and Ili river valleys, West Tien Shan, Fergana, Zerafshan, Hissar Ranges, West Pamir; Afghanistan; China (Xinjiang and, probably, Qinghai); south-western Mongolia (Map 143). The nominotypical subspecies is distributed in eastern regions of Central Asia east to Mongolia.

*E. turensis kopetdaghica* DUBATOLOV, 2004; Euroasian Ent. J. **3** (2): 153, fig. 5, colour plate 2, fig. 9-10. Type locality: “Южный Туркменистан, Центральный Копетдаг, 15 км З Фирюзы [=Пёврюзе], гора Душак, окрестности метеостанции, 2150 м н.у.м.” [South Turkmenistan, Central Kopetdagh, 15 km W from Firyuza, Mt. Dushak, near meteorostation, 2150 m a.s.l.” Turkmenistan (Kopetdagh Mts.); north-eastern Iran.

*E. turensis kuhitangica* DUBATOLOV, 2004; Euroasian Ent. J. **3** (2): 154, fig. 6, colour plate 2, fig. 11-12. Type locality: “Юго-Восточный Туркменистан, Кутитанг, Кутитангский заповедник, подножье горы Айри-баба, плато Дзейляу с *Juniperus serafshanica*, 2800 м н.у.м.” [South-East Turkmenistan, Kuhitang Mts., Kuhitang nature Reserve, Airi-baba Mt. Foot, Dzheilau plateau with *Juniperus serafshanica*, 2800 m a.s.l.]. Turkmenistan (Kuhitang Mts.). Probably also southern Uzbekistan.

*Watsonarctia* DE FREINA & WITT, 1984; Entomofauna **5** (28): 324-325.

Type species: *Arctia casta deserta* BARTEL, 1902, by original designation (cited as *Arctia deserta* BARTEL, 1902).

=*Eurachia* DUBATOLOV, 1985; Членистоногие Сибири и Дальнего Востока [Arthropods from Siberia and Far East]. Novosibirsk: 147. Type species: *Arctia deserta* BARTEL, 1902, by original designation (cited as *Arctia deserta* BARTEL, 1902).

=*Eucastana* LERAUT, 1985; Linn. Belg. **10**: 43. Replacement name for *Eucharia* auct.

Type species: *Arctia casta* var. *deserta* BARTEL, 1902.

*Watsonarctia deserta* (BARTEL, 1902); Dt. Ent. Z. Iris **15**: 226-227 (*Arctia casta*). Type locality: “[15-20 km Entfernung von der Stadt Orenburg]” [Russia]. Lectotype designated by DUBATOLOV (1996a: 354).

=*Ph[alae] Bomb[us] casta* ESPER, 1784; Schmett. in Abbildungen nach der Natur **3**: 177-178, t. 33, fig. 2. Type locality: “in einer Gegend bey Preßburg in Ungarn” [Slovakia: Bratislava]. See also: [http://www.zsm.mwn.de/Lepidoptera/esper\_typ\_bom.htm].

=*Phragmatobia esperi* КОСАК, 1980; Comm. Fac. Sci. Univ. Ankara, C3, **24** (2): 10. Replacement name for *Bombyx casta* ESPER, 1784.

=*Eucharia casta sibirica* КОЗХАНТШКОВ, 1924; Ежегодник Государственного музея имени Н. М. Мартянова [Ezhegod. Gos. Muz. im. Martjanova] **2** (1): 68-69. Type locality: “у Джойского оз. ... [в 5 км на восток от города]” [Минусинска] ... “am Dshoja See” [near Dzhoisкое Lake ... in 5 km from town Minusinsk; Krasnoyarsk province, Russia].

=*Eucharia casta callesi* GÓMEZ BUSTILLO, 1979, Mariposas de la Peninsula Ibérica **4**: 225. Type locality: “la parte septentrional de España” [northern Spain]. Central and South Europe (excluding western and central parts of Iberian Peninsula, Alps, Adriatic coast and Greece); northern and central Ukraine; southern regions of European Russia, South Ural, North Caucasus; Transcaucasia; Turkey; northern Iran; northern and eastern Kazakhstan; Kyrgyzstan (Issyk-Kul); China (Xinjiang); Asian Russia: south regions of West Siberian plain (Omsk and Altai-Barnaul provinces), Altai Mts., Khakasia, Tuva, southern part of Krasnoyarsk Province, Irkutsk suburbs; northern Mongolia (Map 144).

*W. deserta centralasiae* (O. BANG-HAAS, 1927); Horae Macrolep. **1**: 59, t. 8, f. 9 (*Eucharia casta*). Type locality: “Thianchan or., Juldus”; Issykkul; Ili; Dsharkent ... Saisan” [China, Kyrgyzstan, Kazakhstan]. Mountains of south-eastern Kazakhstan (Dzhungarian Alatau, Transili Alatau); Kyrgyzstan (Issyk-Kul); China (Xinjiang: East Tien Shan).

*W. deserta elbursica* DUBATOLOV & ZAHIRI, 2005; Atalanta **36** (3/4): 498-499, fig. 8, col. pl. 10, figs. 45-46. “Iran, Mazandran, Elburs Mts., Sefid-Ab, 36°40'N, 51°01'E, 360 m”. Northern Iran (Alburz Mts.).

*W. deserta karduchena* (DE FREINA, 1983); Mitt. Münch. Ent. Ges. **72**: 105-107, Abb. 20 (*Eucharia deserta*). Type locality: “Tokat/ Sivas, Çamlıbel-Paß, 1600 m” [Turkey]. Eastern Turkey; southern Transcaucasia (Armenia).

*Lithosarctia* DANIEL, 1954; Bonn. Zool. Beitr. **5**: 138.

Type species: *Lithosarctia hoenei* DANIEL, 1954, by original designation (cites as *hönei*).

Notes: The nominotypical subgenus is characterized by a special forewing pattern which is not similar to other species of the genus, and by a long juxta in the ♂ genitalia. The genus was revised by DE FREINA & WITT (1994) and DUBATOLOV (2002).

*Lithosarctia hoenei* DANIEL, 1954; Bonn. Zool. Beitr. **5**: 138, t. 3, fig. 77. Type locality: “Nord Yuennan: Li-kiang” [China] (Map 145).

Subgenus *Ocnogynodes* DUBATOLOV, 1987; Насекомые, клещи и гельминты [Insects, mites and helminths]. Novosibirsk: 31-32.

Type species: *Arctia y-album* OBERTHÜR, 1886, by original designation.

Note: The subgenus is characterized by the similar forewing pattern in all known species and by a short and broad juxta in the ♂ genitalia.

*Lithosarctia (Ocnogynodes) goergneri* DE FREINA & WITT, 1994; Atalanta **25** (3/4): 538-539, Abb. 3, Farbtafel 18a, Abb. 1 (*Lithosarctia y-albula goergneri*). Type locality: “China, Gansu [=Kansu =Ghansu], Xiahe [=Siahe =Labrang, ca. 150 km SW Lanzhou], 3000-3500 m” (Map 145).

*Lithosarctia (Ocnogynodes) kozlovi* DUBATOLOV, 2002; Atalanta **33** (1/2): 175-176, pl. 7, f. 2, 6. Type locality: “China, Sichuan, river Yalong Jiang left side, 80 km NW from Garzê, stand “Chikok”, 4000 m” (Map 145).

*Lithosarctia (Ocnogynodes) thomasi* DE FREINA & WITT, 1994; Atalanta **25** (3/4): 540, Abb. 4, Farbtafel 18a, Abb. 2. Type locality: “Nepal, Manong [=Manang, Lamjung-Himal, ESE Muktinath, nördl. Zentralnepal], 12800 ft.” (Map 145).

*Lithosarctia (Ocnogynodes) y-album* (OBERTHÜR, 1886); Ét. d'Ent. **11**: 30, t. 5, fig. 29 (*Arctia Y album*). Type locality: “Tâ-Tsien-Loû” [China: Sichuan].

=*Arctia y-album lugubris* OBERTHÜR, 1886; Ét. d'Ent. **11**: 31 Type locality: “[Tâ-Tsien-Loû]” [China: Sichuan].

=*[Ocnogyna y-album]* var. *rubida* LEECH, 1899; Trans. Ent. Soc. London **1899**: 161. Type locality: “Ta-chien-lu ... Moupin” [China: Sichuan]. China: Sichuan, Qinghai (Map 145).

*Tajigyna* DUBATOLOV, 1990; Редкие гельминты, клещи и насекомые [Rare helminths, mites and insects]. Novosibirsk: 82-83.

Type species: *Tajigyna gansoni* DUBATOLOV, 1990, by original designation.

*Tajigyna gansoni* DUBATOLOV, 1990; Редкие гельминты, клещи и насекомые [Rare helminths, mites and insects]. Novosibirsk: 83-84. Type locality: “Таджикистан, хр. Петра I, Комсомолабад” [Tadzhikistan, Peter I Range, Komsomolabad] (Map 146).

*Artimelia* RAMBUR, 1866, Cat. syst. Léop. Andalousie (2): 248-249.  
Type species: *Chelonia latreillii* GODART, [1823] 1822, by monotypy.

*Artimelia latreillii* (GODART, [1823] 1822); Hist. nat. Léop. Papillons 4: 318-319, t. 33, f. 1 (*Chelonia latreillii*). Type locality: “en Espagne” [Spain]. Europe: Iberian Peninsula. The nominotypical subspecies is known from Spain.

*A. latreillii lusitanica* (SCHAWERDA, 1934); Int. Ent. Z. 28 (34): 428 (*Ocnogyna latreillei* GOD. var. *lusitanica*). Type locality: “aus Guarda in Portugal”. Europe: Iberian Peninsula (Portugal and western Spain).

*Ocnogyna* LEDERER, 1853, Verh. zool.-bot. Ver. Wien 2 (Abh.): 78.

Type species: *Chelonia zoraida* DE GRASLIN, [1837] 1836, by subsequent designation by KIRBY (1892); Synon. Cat. Lepid. Het. 1: 273. = *Pachylischia* RAMBUR, 1866, Cat. syst. Léop. Andalousie (2): 240-243. Type species: *Trichosoma boeticum* RAMBUR, [1837] 1836, by subsequent designation by KIRBY (1870), Zool. Rec. 6: 388.

*Ocnogyna bellieri* (LEDERER, 1855); Verh. zool.-bot. Ges. Wien 5: 203-204 (*Arctia bellieri*). Type locality: “bei Tarsus in Karamanien” [Turkey: Taurus].

= *Arctia banghaasi* STAUDINGER, 1895; Dt. Ent. Z. Iris 8: 291-293, t. 5, fig. 10. Type locality: “Akbes (Eibes)” [Turkey].

Near East: southern Turkey; Syria; Lebanon; Israel (Yathom, 1984); northern Iraq. The nominotypical subspecies is distributed in southern Turkey, Syria and northern Iraq. Note: Formerly the species was included into *Maurica* DE FREINA; nevertheless, all *Maurica* species which are distributed in North-West Africa have two pairs of spurs on the hind tibiae, while *O. bellieri* LED., as other *Ocnogyna* species, has a single pair of spurs (DUBATOLOV, 2004b).

*O. bellieri berytta* (STAUDINGER, 1895); Dt. Ent. Z. Iris 8: 291-293 ([*Arctia Banghaasi*] var. *Berytta*). Type locality: “Beirut” [Lebanon].

*Ocnogyna boeticum* (RAMBUR, 1836); Ann. Soc. ent. Fr. 5: 587, pl. 17A, fig. 1-4 (*Trichosoma Baeticum/Boeticum*). Type locality: “[du midi de l’Espagne]” [South Spain]. Lectotype designated by DE TOULGOËT (1981: 130).

= *Pachylischia batica [baetica]* RAMBUR, 1866; Cat. syst. Léop. Andalousie (2): 243-247. Type locality: “Cadix ... Madrid”. Lectotype from Espagne méridionale designated by DE TOULGOËT (1981: 130).

= [*Trichosoma Baeticum*] [l’Aberration] *Ramburi* OBERTHÜR, 1911a; Ét. Lep. comp. 5 (1): 34-35. Type locality: “[l’Andalousie]” [Spain].

= [*Trichosoma Baeticum*] *Albescens* OBERTHÜR, 1917; Ét. Lep. comp. 13: 8, t. 435 (185), fig. 3745. Type locality: “Lambèse” [Algeria]. Europe: Iberian peninsula; Central Italy, southern Sicily; North-West Africa (from Morocco to Tunisia).

*Ocnogyna corsicum* (RAMBUR, 1832); Ann. Soc. ent. Fr. 1: 272-275, pl. 8, fig. 6-8 (*Trichosoma corsicum*). Type locality: “[l’île de Corse] ... les parties montagneuses” [France]. Lectotype designated by DE TOULGOËT (1981: 130).

France: Corse; Italy: Sardinia. The nominotypical subspecies is distributed in Corse.

*O. corsicum sardoa* STAUDINGER, 1870; Berl. Ent. Z. 14: 105-106. Type locality: “aus Sardinien” [Italy].

#### *Ocnogyna loewii* species group

*Ocnogyna cypriaca* O. BANG-HAAS, 1934; Ent. Z. 48 (6): 48 (*Ocnogyna loewii cypriaca*). Type locality: “Cypria, Limassol” [Cyprus].

*Ocnogyna herrichi* STAUDINGER, [1879] 1878; Horae Soc. Ent. Ross. 14: 337-339. Type locality: “Taurus” [Turkey].

*Ocnogyna loewii* (ZELLER, 1846); Stett. Ent. Z. 7: 8-11 (*Trichosoma löwii*). Type locality: “in Kleinasien unterhalb Istenas in einem Thale” [Turkey].

= *Ocnogyna clathrata* LEDERER, 1855; Verh. zool.-bot. Ges. Wien 5: 202-203, t. 2, fig. 7. ([*Ocnogyna*] *Clathrata*). Type locality: “Beirut” [Lebanon].

= *Ocnogyna loewii andresi* DRAUDT, 1931; Macrolep. World 2 Suppl.: 73. Type locality: “the desert of Mariout” [Egypt].

North-East Africa: from Egypt to Cyrenaica (Lybia); Rhodos Is. (Greece); Near East; Asia minor; northern Iraq; eastern Transcaucasia (Armenia; Azerbaijan); Russia: North-East Caucasus (Daghestan); Iran; southern Turkmenistan (Kopetdagh, Badhyz); south-western Uzbekistan; south-western Tadjhikistan; north-western Afghanistan (Map 147). The nominotypical subspecies is distributed in Asia minor, Near East and probably North-East Africa.

*O. loewii armena* STAUDINGER, 1871; Cat. Lep. Europ. Faunengeb. (Edn. 2): 59 ([*Ocnogyna Loewii*] v. ? *Armena*). Type locality: “Arm[enia]”.

= *O. l. daghestana* DUBATOLOV, 1996 syn. nov.; Neue Ent. Nachr. 36: 63, 71, Fig. 2i (not 2j!), 1d. Type locality: “East Caucasus, “Dagestan, Derbent” [Russia].

Russia: East Caucasus (Daghestan); eastern Transcaucasia (Armenia, Azerbaijan); eastern Turkey. Notes: The species has noticeable geographic differences in the ♂ genitalia structure that suggest to rise this taxon together with the next one into an own species. Now this decision seems to me too early; it is necessary to study this problem more carefully.

*O. loewii pallidior* CHRISTOPH, 1884; Mém. Léop. 1: 109-111, t. 7, f. 1ab (*Ocnogyna Loewii* var. *Pallidior*). Type locality: “Askhabad” [mountains near Ashkhabad, Turkmenistan]. Lectotype designated by DUBATOLOV (1996a: 345).

Iran; southern Turkmenistan (Kopetdagh, Badhyz); south-western Uzbekistan; south-western Tadjhikistan; north-western Afghanistan.

*Ocnogyna zoraida* (DE GRASLIN, [1837] 1836); Ann. Soc. ent. Fr. Ser. 1, 5: 561-564, pl. 17B, fig. 3 (*Chelonia Zoraida*). Type locality: “sur les montagnes d’Alfakar que sur la Sierra-Neveda” [Spain]. Europe: Iberian Peninsula; south-western France. The nominotypical subspecies is distributed in the southern regions of the Iberian Peninsula north to the river Erbo.

*O. zoraida hemigena* (DE GRASLIN, 1850); Ann. Soc. ent. Fr. Ser. 2, 8: 402-408, pl. 10, f. 8-11 (*Chelonia hemigena*). Type locality: “J’ai trouvé cette espèce dans les Pyrénées-Orientales, aux environs du Vernet, puis sur la route de Fontpedrosa à Montlouis et enfin, beaucoup plus haut, à l’entrée de vallée d’Eyna” [France]. Europe: the Pyrenees within Spain and France.

*Somatrichia* KIRBY, 1892, Syn. Cat. Lep. Het. 1: 274. Replacement name for *Trichosoma* RAMBUR, 1832.

=*Trichosoma* RAMBUR, 1832, Ann. Ent. Soc. Fr. (1) 1: 272; nec RUDOLPHI (1819). Type species *Phalaena parasita* HÜBNER, 1790, by subsequent designation by BLANCHARD (1840) in CASTELNAU, Hist. nat. Ins. 3: 487, for *Trichosomum*.

Notes: The species of this genus differs from *Ocnogyna* LED. by ♂ genitalia (DUBATOLOV, 2004b): they have an additional branch-like processus on the inner valve edge, while *Ocnogyna* species have only an enlargement at the same part of the valva.

The genus was revised by WITT (1980a).

*Somatrichia anatolica* (WITT, 1980); Mitt. Münch. Ent. Ges. 69: 154-156, Abb. 37 (p. 148), 52 (p.155), 54n,y, 55f (p.158-159), 56 (p.160) (*Ocnogyna anatolica*). Type locality: "Asia min., Pülümür, südöst. Ercincan, 1500 m" [Turkey].  
Asia minor: East Turkey; Armenia (Map 148).

*Somatrichia parasita* (HÜBNER, 1790); Beitr. Gesch. Schmett. 2 (2): 42-43, t. 2, fig. I, (4): 124 ([*Ph.*] *alaena Bomb.[us]*). Type locality: "in Wien" [Austria]. Europe: Alps (in France, Switzerland and Italy); Central Europe from South Slovakia to northern Balkans and Greece (including Zakinthos Is., Lesbos Is.); southern Moldova; Crimea; Caucasus (Abkhasia); Armenia (probably); Asia minor; ?Iraq; European Russia: Lower Volga, ?South Ural (Map 148). The nominotypical subspecies is distributed in Central Europe east to Moldova and Crimea.

*S. parasita arenosa* (WITT, 1980); Mitt. Münch. Ent. Ges. 69: 147-149, Abb. 34-36 (p.148), 54j,u (p. 159), 55c (p.158-159) ([*Ocnogyna parasita*] *arenosa*). Type locality: "Graecia, Zante, Kiliomenon" [Greece]. Greece: Zakinthos Is., Lesbos Is. (WITT, 1983).

*S. parasita intermedia* (STAUDINGER, [1879] 1878); Horae Soc. Ent. Ross. 14: 335-336 (*Ocnogyna Parasita* var. *intermedia*). Type locality: "unteren Maidan; ... Caraman" [Turkey].  
European Turkey and Asia minor: Edirne, Canakkale, Izmir, Aydin, Denizli, Burdur, Ankara.

*S. parasita lianea* (WITT, 1980); Mitt. Münch. Ent. Ges. 69: 143-147, Abb. 21-33 (p.144-146), 54g,h,i,s,t (p.158-159) ([*Ocnogyna parasita*] *lianea*). Type locality: "Makedonia, Prilep" [Macedonia (Scopje)].  
Macedonia-Scopje and adjacent countries, including Greece.

*S. parasita nogelli* (LEDERER, 1865); Ann. Soc. Ent. Belg. 9: 62, pl. 3, f. 3-6 (*Ocnogyna Nogelli*). Type locality: "Kisilgye-Aolé" [Turkey].  
Asia minor: Kutahya, Izmir, Antalya, Konya.

*S. parasita rothschildi* (A. BANG-HAAS, 1912); Dt. Ent. Z. Iris 26 (2): 108-109, T. 6, fig. 3 (*Ocnogyna rothschildi*). Type locality: "an den Wiesen der Wolga (Gouv. Samara)" [Russia: probably, Volgograd province]. Russia: Lower Volga: Volgograd province; records from Saratov and Samara provinces looks to be errors based on different division of Russia into provinces in different times.

#### Incertae sedis

##### Genera of uncertain position

*Heliozona* HAMPSON, 1901; Cat. Lep. Phalaenae Br. Mus. 3: xi, 5, 218.

Type species: *Satara lianga* SEMPER, 1899, by original designation.

*Heliozona lianga* (SEMPER, 1899); Reisen Archipel Philipp. (2) 6: 490, pl. 55, fig. 8 (*Satara* (?) *lianga*). Type locality: "Ost-Mindanao" [Philippines].

*Omochoa* Rambur, 1866; Cat. syst. Léop. Andalousie (2): 253-254.

Type species: *Omochoa spurca* RAMBUR, 1866, by monotypy.

*Omochoa spurca* RAMBUR, 1866; Cat. syst. Léop. Andalousie (1): pl. 4, fig. 3, (2): 254. Type locality: "du midi de l'Espagne" [Middle Spain], Andalusia (WATSON et al., 1980). Described from Andalusia, South Spain. Note: The type was not saved, the species has affinity with *Coscinia romeii* DE SAGARRA (DE TOULGOËT, 1981).

##### Species of uncertain position

"*Diacrisia*" *porthesioides* ROTHSCHILD, 1910; Novit. Zool. 17 (2): 186; 18: t. 6, fig. 26. Type locality: "Sikkim" [India].  
India (Sikkim). "... thorax pale orange; abdomen white ... - Forewing buff. - Hindwing white."

*Spilosoma brunnea* MOORE, 1872; Proc. Zool. Soc. London 1872: 574. Type locality: "Bombay" [India: Maharashtra].  
Note: The taxon was excluded from *Spilarctia montana* GUÉR.-MÉN. by THOMAS (1984).

*Spilosoma fusifrons* WALKER, 1864; List Spec. lep. Ins. Colln. Br. Mus. 31: 295. Type locality: "South Hindostan" [India].  
Southern India.

*Spilosoma fuscipennis* HAMPSON, 1894; Moths India 2: 11 (*Spilosoma fuscipenne*). Type locality: "Simla" [India: Himachal Pradesh].

*Spilarctia uniformis* MOORE, 1879; Descr. New Indian Lep. Ins. ATKINSON: 39-40. Type locality: "Calcutta" [India: West Bengal].



## References

- ACERBI, J. (1802): Travels through Sweden, Finland and Lapland, to the North Cape 1798 & 1799 2: 1-380, pl. I-III, London.
- ADKIN, R. (1922): *Diaphora mendica*, form *venosa*, n.f. – The Entomologist 55 (504): 79, London.
- AGASSIZ, L. ([1846]): Nomina systematica generum lepidopterorum, tam viventium quam fossilium, secundum ordinem alphabeticum disposita, adjectis auctoribus, libris in quibus reperiuntur, anno editionis, etymologia et familiis ad quas pertinent. – Nomenclator zoologicus, continens nomina systematica generum animalium tam viventium quam fossilium, secundum ordinem alpha-beticum disposita, adjectis auctoribus, libris in quibus reperiuntur, anno editionis, etymologia et familiis, ad quas pertinent, in variis classibus: VI+70 pp., Jent et Gassmann: Soloduri.
- AGENJO, R. (1937): Subespecies nuevas de *Chelis maculosa* (GERN.) e *Hyphoraia dejeanii* (GODT.) y notas sobre otros Arctidos españoles (Lep. Arct.). - Boletín de la Sociedad Española de Historia Natural 37: 51-62, lám. 3-4, Madrid.
- AGENJO, R. ([1977] 1975): Tres nuevas subespecies españolas de *Coscinia cribraria* (L., 1758) (Lep. Arctiidae). - Graellsia 31: 33-48, lám. 1, Madrid.
- ALBERTI, B. (1971): Lepidopteren aus der Mongolischen Volkrespublik. - Dt Ent. Z. (N.F.) 18 (4-5): 361-376, Berlin.
- ALBERTI, B. (1973): Zweite Mitteilung über einige bemerkenswerte Lepidopteren-Formen aus dem Grossen Kaukasus und Transkaukasien (Lepidoptera). - Atalanta 4 (6): 380-393, Würzburg.
- ALPHERAKY, S. (Алфераки С.) ([1876]): Чешуекрылые Северного Кавказа [Lepidoptera of North Caucasus]. - Труды Русского энтомологического общества [Horae Societas Entomologicae Rossicae] 10: 3-34, St.-Petersburg (in Russian).
- ALPHERAKY, S. (1882): Lépidoptères du district de Kouldjâ et des montagnes environnantes. - Horae Societas Entomologicae Rossicae 17: 15-103, pl. 1-3, St.-Petersburg.
- ALPHERAKY, S. (1888): Neue Lepidopteren. - Stettiner Entomologische Zeitung 49: 66-69, Stettin.
- ALPHERAKY, S. (1889): Lépidoptères rapportés du Thibet par le Général N. M. PRZEWALSKY de son voyage de 1884-1885. - Mémoires sur les lépidoptères. Red. N. M. ROMANOFF 5: 59-89, pl. 4, St.-Petersbourg: M. M. Stassulëwitsch.
- ALPHERAKY, S. (1892): Lépidoptères rapportés de la Chine et de la Mongolie par G. N. POTANINE (Suite). – Mémoires sur les lépidoptères, ed. N. M. ROMANOFF 6: 1-81, t. 1-3, St.-Petersbourg: M. M. Stassulëwitsch.
- ALPHERAKY, S. (1897a): Lépidoptères des provinces chinoises Sé-Tchouen et Kham recueillis, en 1893, par M-r G. N. POTANINE. - Mémoires sur les lépidoptères, ed. N. M. Romanoff 9: 83-149, St.-Petersbourg: M. M. Stassulëwitsch.
- ALPHERAKY, S. (1897b): Lépidoptères de l'Amour et de la Corée. - Mémoires sur les lépidoptères, ed. N. M. ROMANOFF 9: 151-184, T. 10-13, St.-Petersbourg: M. M. Stassulëwitsch.
- ALPHERAKY, S. (Алфераки С.) (1908): Чешуекрылые (Lepidoptera) окрестностей Таганрога. Добавление III [Lepidoptera of the Taganrog suburbs. Supplement III]. - Труды Русского энтомологического общества [Horae Societas Entomologicae Rossicae] 38: 558-618, St.-Petersburg (in Russian).
- AMSEL, H. G. (1935): Weitere Mitteilungen über palästinensische Lepidopteren. - Veröffentlichungen aus dem Deutschen Kolonial- und Uebersee-Museum in Bremen 1 (2): 223-277, Bremen.
- ARORA, G. S. (1983): On the Lepidopterous fauna of Andaman and Nicobar group of islands (India): family Arctiidae. - Records of the Zoological Survey of India. Miscellaneous Publication Occasional Papers 60: 1-49, 3 pl., Calcutta.
- ARORA, G. S. & M. CHAUDHURY (1982): On the lepidopterous fauna of Arunachal Pradesh & adjoining areas of Assam in North-East India: family Arctiidae. - Technical Monograph of the Zoological Survey of India 6: 1-65, Calcutta.
- BANG-HAAS, A. (1907): Neue oder wenig bekannte palaearktische Macrolepidopteren. - Dt Ent. Z. Iris 20: 69-88, Taf. IV, Dresden.
- BANG-HAAS, A. (1910): Neue oder wenig bekannte palaearktische Macrolepidopteren. - Dt Ent. Z. Iris 24: 27-51. t. III, Dresden.
- BANG-HAAS, A. (1912): Neue oder wenig bekannte palaearktische Makrolepidopteren. IV. - Dt Ent. Z. Iris 26 (2): 103-110, 139-162, 221-230, t. V-VI, Dresden.
- BANG-HAAS, O. (1927): Horae Macrolepidopterologie regionis palaearticae 1: I-XXVIII, 1-128 S., Taf. 1-10, Verlag O. Staudinger & A. Bang-Haas, Dresden-Blasewitz.
- BANG-HAAS, O. (1930) Berichtigungen zu der Arbeit von H. KOTZSCH: Neue Falter aus dem Richthofengebirge. - Entomologische Zeitschrift 43: 204, 232-233, Frankfurt am Main.
- BANG-HAAS, O. (1933): Neubesreibungen und Berichtigungen der Palaearktischen Macrolepidopterenfauna IV. - Entomologische Zeitschrift 46: 261-263, Frankfurt am Main.
- BANG-HAAS, O. (1934): Neubesreibungen und Berichtigungen der Palaearktischen Macrolepidopterenfauna X. - Entomologische Zeitschrift 48 (6): 48, Frankfurt am Main.
- BANG-HAAS, O. (1936): Neubesreibungen und Berichtigungen der Palaearktischen Macrolepidoptera XXV. - Entomologische Zeitschrift & Internationale Entomologische Zeitschrift 50 (30): 345-348, Guben.
- BANG-HAAS, O. (1938): Neubesreibungen und Berichtigungen der Palaearktischen Macrolepidopterenfauna. XXXVI. - Entomologische Zeitschrift vereinigt mit Internationale Entomologische Zeitschrift 52 (22): 177-180, Frankfurt am Main.
- BARLOW, H. S. (1982): An introduction to the moths of south east Asia. - E.W.Classey: Kuala Lumpur & Farington, Oxon U.K.
- BARTEL, M. (1902): Lepidopteren des südlichen Urals, gesammelt von Herrn JULIUS TIEF. - Deutsche Entomologische Zeitschrift Iris 15: 181-230, Dresden.
- BARTEL, M. (1906): *Callimorpha philippsi*, eine neue Art aus Zentral-Asien. - Societas Entomologica 21 (6): 41-42, Stuttgart.
- BATTACHERJEE, N. S. & S. L. GUPTA (1969): Studies on some Indian Arctiidae: Lepidoptera. - The Entomologist 102 (1276): 210-219, London.
- BENDER, R. & C.-M. NAUMANN (1980): Eine neue *Arctia intercalaris*-Subspezies aus dem Hindukusch (Lepidoptera, Arctiidae). - Atalanta 11 (1): 21-28, Würzburg.
- BERTHET, H. (1948): *Orodennias cervini* FALLOU dans les Alpes françaises du Dauphiné ssp. (ou forme individuelle?) *scrinienis* nova. – Revue française de lépidoptérologie 11 (18/19): 369-376, Paris.
- BILLBERG, G. J. (1820): Enumeratio Insectorum in Museo G. J. BILLBERG: 1-138. - Gadel: Stockholm.
- BLANCHARD, CH. E. (1840): Orthoptères, Neuroptères, Hémiptères, Hyménoptères, Lépidoptères et Diptères. In: CASTELNAU, F. L.,

- Histoire naturelle des Insectes 3: 673 pp., 72 pl. - P. Duménil: Paris.
- BLANCHARD, CH. E. (1845): Sixième ordre. Les lépidoptères, p. 318-410, pls. 16-18. In: CASTELNAU, F. L., Histoire des insectes, traitant de leurs moeurs et de leurs métamorphoses en général, et comprenant une nouvelle classification fondée sur leurs rapports naturels 2: [iv]+524 pp., 20 pls. - P. Duménil: Paris.
- BOISDUVAL, J. (1828-1829): Europaeorum Lepidopterorum Index Methodicus. - Parisiis.
- BOISDUVAL, J. B. A. D. de (1832): Voyage de découvertes de l'Astrolabe, exécuté par ordre du Roi, pendant les années 1826-1829, sous le commandement de M. J. DUMONT D'URVILLE. Faune entomologique de l'Océan Pacifique, avec l'illustration des insectes nouveaux recueillis pendant le voyage. Première Partie. Lépidoptères: 267 pp. - J. Tastu, Paris.
- BOISDUVAL, J. (1834): Icones historique des Lépidoptères nouveaux ou peu connus. Collection avec figures coloriées, des papillons d'Europe nouvellement découverts; ouvrage formant le complément de tous les auteurs iconographes 2: 192 pp., pl. 47-84. - Paris.
- BOISDUVAL, J. (1840): Genera et Index Methodicus Europaeorum Lepidopterorum. - Parisiis.
- BORKHAUSEN, M. (1790): Naturgeschichte der europäischen Schmetterlinge 3. - Frankfurt.
- BÖTTCHER, E. A. (1905): Neue und wenig bekannte Arctiiden aus Turkestan. - Entomologische Zeitschrift 19 (11): 53-55, (12): 61-63, Guben.
- BRANDT, W. (1947): A new *Ocnogyna* species from N.E. Iran (Lepidoptera: Arctiidae). - Entomologisk Tidskrift 68: 90, 1 Foto, Stockholm.
- BREMER, O. (1861): Neue Lepidopteren aus Ost-Sibirien und dem Amur-Lande, gesammelt von Radde und Maack, beschreiben von OTTO BREMER. (Lu le 22 mars 1861). - Bulletin de l'Académie Imperiale des Sciences de St.-Petersbourg 3: 461-496, St.-Petersbourg.
- BREMER, O. & W. GREY (1853 [1852]): Diagnoses de Lépidoptères nouveaux, trouvés par MM. TATARINOFF et GASCHKEWITSCH aux environs de Pekin. - Etudes Entomologiques. Réd. V. de Motschulsky 1: 58-67, Helsingfors.
- BRULLÉ, M. (1836): Insectes: 53-95, pl. 1-3. In: WEBB, [P.B.] & S. BERTHELOT (eds), Histoire Naturelle des Îles Canaries. - II (2). - "(Entom.[ologie]) - 1". - 119 p., "Pl. unique" + 7 pl., Bethune: Paris.
- BRYK, F. (1923): Neue Beiträge zur Variabilität schwedischer Lepidopteren. II. Neue skandinavischer Lepidopteren. II. - Entomologisk Tidskrift 44 (2): 107-116, 8 figs., Stockholm.
- BRYK, F. (1937): Arctiidae, subfam. Callimorphinae et Nyctemerinae. - Lepidopterorum Catalogus 82: 105 S., Berlin: W. Junk.
- BRYK, F. (1942): Zur Kenntnis der Grossschmetterlinge der Kurilen. - Deutsche Entomologische Zeitschrift Iris 56: 3-90, pl. 1-2, Dresden.
- BRYK, F. (1948): Zur Kenntnis der Grossschmetterlinge von Korea. Pars II. Macrofrenate II (fins); Fam.: Notodontidae, Lymantriidae, Saturniidae, Brahmaeidae, Drepanidae, Epipleminae, Lasiocampidae, Arctiidae, Thyatiridae, Noctuidae, Geometridae, Heteroneura: Fam.: Cochliidiidae, Zygaenidae. Tineoidea: Fam.: Cossidae, Psychidae. - Arkiv för Zoologi 41 A (1-2): 225 p., 7 pl., Stockholm.
- BURESCH, I. & K. TULESCHKOW [Буреш, И. & Тулешков, К.] (1943): Горизонталното разпространение на пеперудите (Lepidoptera) в България. V [Die horizontale Verbreitung der Schmetterlinge (Lepidoptera) in Bulgarien. V] - Известия на Царските природонаучни институти в София [News of the Royal Natural History Institute in Sofia] 16: 79-188, Sofia (in Bulgarian).
- BURMANN, K. (1975): Zum Problem endemischer Schmetterlinge der Alpen: *Orodemnius cervini* (FALLOU, 1864), *teriolensis* n.ssp. (Insecta: Lepidoptera, Arctiidae). - Berichte des naturwissenschaftlich-medizinischen Vereins in Innsbruck 62: 121-130, Innsbruck.
- BUTLER, A. G. (1875): Revision of the genus *Spilosoma* and allied groups of the family Arctiidae. - Cistula Entomologica 2: 21-44, London.
- BUTLER, A. G. (1877a): LI. - Descriptions of new species of Heterocera from Japan. - Part I. Sphinges and Bombyces. - The Annals and Magazine of Natural History (series 4) 20: 393-404, London.
- BUTLER, A. G. (1877b): XXIII. On the Lepidoptera of the family Lithosiidae, in the collection of the British Museum. - The Transactions of the Entomological Society of London 1877: 325-377, pl. VIII, London.
- BUTLER, A. G. (1879): XLI. - Descriptions of new Species of Lepidoptera from Japan. - The Annals and Magazine of Natural History (series 5) 4: 349-374, 437-457, London.
- BUTLER, A. G. (1880): On a second collection of Lepidoptera made in Formosa by H. E. HOBSON, Esq. - Proceedings of the Scientific Meetings of the Zoological Society of London 1880: 666-691, London.
- BUTLER, A. G. (1881a): XXXIX. - Descriptions of some new species of Heterocerous Lepidoptera from Sumatra. - The Annals and Magazine of Natural History (series 5) 8: 379-381.
- BUTLER, A. G. (1881b): I. Descriptions of new Genera and Species of Heterocerous Lepidoptera from Japan. - The Transactions of the Entomological Society of London 1881: 1-23, London.
- BUTLER, A. G. (1881c): Illustrations of typical specimens of Lepidoptera Heterocera in the collection of the British Museum 5: 1-74, pl. LXXVIII-C, London.
- BUTLER, A. G. (1883): XX. - Descriptions of some new species of Lepidoptera. - The Annals and Magazine of Natural History (series 5) 12: 158-161, London.
- BUTLER, A. G. (1885): Descriptions of moths new to Japan, collected by Messrs. Lewis and Pryer. - Cistula Entomologica 3 (29): 113-136, London.
- [BUTLER, A. G.] (1887): Descriptions of new species of Bombycid Lepidoptera from the Solomon Islands. - The Annals and Magazine of Natural History (series 5) 19: 214-225, London.
- BUTLER, A. G. (1889): Illustrations of typical specimens of Lepidoptera Heterocera in the collection of the British Museum 7: i-iv, 1-124, pl. CXXI-CXXXVIII, London.
- BYTINSKI-SALTZ, H. (1936): New Heterocera from Asia Minor. - Entomologist's Record and Journal of Variation 48 (9): 1-6 (Suppl.), London.
- CANDÈZE, L. (1927): Lépidoptères hétérocères de l'Indochine française. - Encyclopédie entomologique. Sér. B. III Lép. 2: 73-133, Paris.
- CARADIA, A. VON (1893): Beitrag zur Kenntniss der Grossschmetterlinge des "Département de la Haute-Garonne". - Deutsche Entomologische Zeitschrift Iris 6: 161-240, Dresden.
- CERF, F. LE (1913): Contribution à la faune lépidoptérologique de la Perse. - Annales d'Histoire Naturelle, Délégation en Perse 2 entom., fasc. 2: 12+85 p., t. 1-2, 1 map, Paris.
- CERNÝ (ČERNÝ), K. (1986): *Carcinopyga lindtii* spec. nov. (Lepidoptera, Arctiidae) aus Tian Schan. - Neue Entomologische Nachrichten 19 (1/2): 31-36, Weisbaden.
- CERNÝ (ČERNÝ), K. (1995): A contribution to the knowledge of the Arctiidae (Lepidoptera) of the Philippines. - Nachrichten des Entomologischen Vereins, Apollo Suppl. 14: 149-174, Frankfurt am Main.

- CERNÝ (ČERNÝ), K. & BRO. A. PINRATANA (2009): Moths of Thailand 6 (Arctiidae): 1-283, Bangkok.
- CHANG, B. S. (1989): Illustrated moths of Taiwan 2: 1-310, The Taiwan Museum publications: Taipei.
- CHRISTOPH, H. (1884): Lepidoptera aus dem Achal-Tekke-Gebiete. Erster Theil. - Mémoires sur les lépidoptères, ed. N.M. Romanoff 1: 93-138, t. 6-8, M.M. Stassulévitch: St.-Pétersbourg.
- CHRISTOPH, H. (1887a): Diagnosen neuer Lepidopteren aus Tekke. - Stettiner Entomologische Zeitung 48: 162-167, Stettin.
- CHRISTOPH, H. (1887b): Lepidoptera aus dem Achal-Tekke-Gebiete. Dritter Theil. - Mémoires sur les lépidoptères, ed. N. M. Romanoff 3: 50-125, t. 3-5, M. M. Stassulévitch: St.-Pétersbourg.
- CHRISTOPH, H. (1892): *Arctia turbans*, eine neue sibirische Art. - Horae Societas Entomologicae Rossicae 26: 460-461, St.-Petersburg.
- CHRISTOPH, H. (1893): Lepidoptera Nova Faunae Palaearcticae. - Deutsche Entomologische Zeitschrift Iris 6: 86-96, Dresden.
- CLERCK, C. (1759): Icones Insectorum Rariorum cum nominibus eorum trivialibus, locisque e C. LINNAEI Arch. R. et Eqv. Aur. Syst. Nat. allegatis: 1-99, pl. 1-98, Holmiae.
- COSTA, A. (1842): Note sur les *Callimorpha dominula* et *donna*. - Annales de la Société Entomologique 11: 239-241, t. 9, Paris.
- COTES, E. C. & C. SWINHOE (1887-1889 [1887]): A catalogue of the Moths of India 2 Bombyces: 41-255, Trustees of the Indian Museum, Calcutta.
- CRAMER, P. (1775): De Uitlandsche Kapellen voorkomende in de drie Waereld-Deelen Asia, Africa en America [Papillons Exotiques des trois parties du monde l'Asie, l'Afrique et l'Amerique] 1: 1-132, t. I-XCVI, Amsteldam, Utrecht.
- CRAMER, P. (1779): De Uitlandsche Kapellen voorkomende in de drie Waereld-Deelen Asia, Africa en America [Papillons Exotiques des trois parties du monde l'Asie, l'Afrique et l'Amerique] 2: 1-151, t. I-CXCII, Amsteldam, Utrecht.
- CRAMER, P. (1780): De Uitlandsche Kapellen voorkomende in de drie Waereld-Deelen Asia, Africa en America [Papillons Exotiques des trois parties du monde l'Asie, l'Afrique et l'Amerique] 3: 1-176, t. CXCII-CCLXXXVII, Amsterdam, Utrecht.
- CURTIS, J. (1824): Brithish Entomology; being illustrations and descriptions of the genera of insects found in Great Britain and Ireland containing coloured figures from nature of the most rare and beautiful species, and in many instances of the plants upon which they are found 1: 50+2 p., 50 pl., London.
- CURTIS, J. (1825): Brithish Entomology; being illustrations and descriptions of the genera of insects found in Great Britain and Ireland containing coloured figures from nature of the most rare and beautiful species, and in many instances of the plants upon which they are found 2: 51-98+2 p., pl. 51-98, London.
- CURTIS, J. (1827): Brithish Entomology; being illustrations and descriptions of the genera of insects found in Great Britain and Ireland containing coloured figures from nature of the most rare and beautiful species, and in many instances of the plants upon which they are found 4: 147-194+2 p., pl. 147-194, London.
- DA COSTA, M. A. & S. J. WELLER (2005): Phylogeny and classification of Callimorphini (Lepidoptera: Arctiidae: Arctiinae). - Zootaxa 1025: 1-94, Auckland.
- DALMAN, J. W. (1823): Analecta Entomologica: VII+108 pp., 4 tab., Holmiae.
- DANIEL, F. (1933): Arctiidae: 102-104. In ZERNY, H., CORTI, A., DANIEL, F., SCHWINGENSCHUSS, L. & E. WEHRLI, Lepidopteren aus dem nördlichen Libanon. - Deutsche Entomologische Zeitschrift Iris 47: 60-109, Dresden.
- DANIEL, F. (1935): Beiträge zur Verbreitung und Rassenbildung von *Chelis maculosa* GERNING. - Mitteilungen der Münchner Entomologischen Gesellschaft 25: 45-55, t. 5, München.
- DANIEL, F. (1937): *Lacydes elbursi* sp. n. - Mitteilungen der Münchner Entomologischen Gesellschaft 27: 37-38, München.
- DANIEL, F. (1939): Gedanken zu einigen Arctiiden-Formen (Lep.). - Mitteilungen der Münchner Entomologischen Gesellschaft 29: 354-368, München.
- DANIEL, F. (1943a): Beiträge zur Kenntnis der Arctiidae Ostasiens unter besonderer Berücksichtigung der Ausbeuten H. HÖNE'S aus diesem Gebiet (Lep. Het.). I Teil: Callimorphinae und Nyctemerinae. - Mitteilungen der Münchner Entomologischen Gesellschaft 33: 247-269, T. XIII, München.
- DANIEL, F. (1943b): Beiträge zur Kenntnis der Arctiidae Ostasiens unter besonderer Berücksichtigung der Ausbeuten H. HÖNE'S aus diesem Gebiet (Lep., Het.). II Teil: Hypsinae, Micrarctiinae, Spilosominae, Arctiinae. - Mitteilungen der Münchner Entomologischen Gesellschaft 33 (2/3): 673-759, T. XIV-XXII, München.
- DANIEL, F. (1949): Neue palaearktische Heterocera (Lep.). - Mitteilungen der Münchner Entomologischen Gesellschaft 35-39: 235-241, Taf. 8, München.
- DANIEL, F. (1951): Beiträge zur Lepidopterenfauna Mazedoniens. - Veröffentlichungen der Zoologischen Staatssammlung München 2: 1-78, Taf. 1-2, München.
- DANIEL, F. (1953): Neue Heterocera-Arten und -Formen. - Mitteilungen der Münchner Entomologischen Gesellschaft 43: 252-261, München.
- DANIEL, F. (1954): Beiträge zur Kenntnis der Arctiidae Ostasiens unter besonderer Berücksichtigung der Ausbeuten von Dr. h. c. H. HÖNE aus diesem Gebiet (Lep.-Het.) III. Teil: Lithosiinae. - Bonner Zoologische Beiträge 5 (1-2): 89-138, Taf. III, Bonn.
- DANIEL, F. (1955): Die Wirkung ökologischer Einflüsse auf Habitus von Lepidopteren, untersucht an den Formen von *Coscinia cribraria* L. - Zeitschrift der Wiener Entomologischen Gesellschaft 40: 183-201, Taf. 16, Wien.
- DANIEL, F. (1961a): *Spilarctia karakorumica* sp. n. (Lep., Arctiidae). - Mitteilungen der Münchner Entomologischen Gesellschaft 51: 159, München.
- DANIEL, F. (1961b): Zygaenidae – Cossidae. [Lepidoptera der Deutsche Nepal Expedition 1955]. - Veröffentlichungen der Zoologischen Staatssammlung München 6 (4): 151-162, Pl. 15, München.
- DANIEL, F. (1965a): 53. Bombyces et Sphinges. Ergebnisse der zoologischen Forschungen von Dr. Z. KASZAB in der Mongolei (Lepidoptera). - Reichenbachia 7 (10): 93-102, Staatliches Museum für Tierkunde in Dresden, Dresden.
- DANIEL, F. (1965b): Österreichische Entomologische Iran-Afghanistan-Expeditionen. Beiträge zur Lepidopterenfauna, Teil 4. Weitere Beiträge zur Bombyces et Sphinges Fauna. - Zeitschrift der Wiener Entomologischen Gesellschaft 75 (Jb. 50) (9/10): 121-152, Taf. 15-18, Wien.
- DANIEL, F. (1966): Zwei neue Arctiidae aus Afghanistan (Lep.). - Mitt. Münch. Ent. Ges. 56 (7): 161-164, T. 3, München.
- DANIEL, F. (1967): 117. Bombyces et Sphinges II. Ergebnisse der zoologischen Forschungen von Dr. Z. KASZAB in der Mongolei (Lepidoptera). - Reichenbachia 9 (23): 201-208, Staatliches Museum für Tierkunde in Dresden, Dresden.

- DANIEL, F. (1968): 165. Bombyces et Sphinges III. Ergebnisse der zoologischen Forschungen von Dr. Z. KASZAB in der Mongolei (Lepidoptera). - *Reichenbachia* **11** (25): 265-277, Staatliches Museum für Tierkunde in Dresden, Dresden.
- DANIEL, F. (1970a): 200. Bombyces et Sphinges IV. Ergebnisse der zoologischen Forschungen von Dr. Z. KASZAB in der Mongolei (Lepidoptera). - *Reichenbachia* **13** (19): 193-204, Staatliches Museum für Tierkunde in Dresden, Dresden.
- DANIEL, F. (1970b): Rassenanalytische Untersuchungen bei *Phragmatobia fuliginosa* L. und *Phragmatobia amurensis* SEITZ (Lep. Arctiidae). - *Zeitschrift der Arbeitsgemeinschaft österreichischer Entomologen* **22**: 2-17, Wien.
- DANIEL, F. (1971): Österreichische Expeditionen nach Persien und Afghanistan. Beiträge zur Lepidopterenfauna. Teil 16. (3. Beitrag zur Bombyces- und Sphinges-Fauna). - *Annalen des Naturhistorischen Museums in Wien* **75**: 651-660, T. 1-2, Wien.
- DANNEHL, F. (1928): Beiträge zur Lepidopteren-Fauna Südtirols. - *Entomologische Zeitschrift* **42**: (7): 77-80; (8): 85-89; (10): 110-114; (11): 130-134; (1929) (24): 313-316, Frankfurt am Main.
- DANNEHL, F. (1929): Neue Formen und geographische Rassen aus meinen Ausbeuten und Erwerbungen der letzten Jahre. - *Mitteilungen der Münchner Entomologischen Gesellschaft* **19** (5-9): 97-116, München.
- DARICHEVA, M. A. & V. V. DUBATOLOV [Даричева, М. А. & Дубатовол, В. В.] (1989): Фауна и экология чешуекрылых семейства медведиц (Lepidoptera, Arctiidae) Туркменистана [Fauna and ecology of the lepidopterous family Arctiidae (Lepidoptera, Arctiidae) of Turkmenistan]. - *Известия АН Туркменской ССР. Серия биологических наук* [Proceedings of the Academy of Sciences of the Turkmenistan. Series of biological sciences]. Ashkhabad **1989** (2): 39-44, Ylym: Ashkhabad (in Russian).
- DELESSERT, M. A. (1843): Souvenirs d'un Voyage dans l'Inde exécuté de 1834 à 1839 **2**: 107 pp., 27 pl., Paris.
- [DENIS, J. M. & I. SCHIFFERMÜLLER] (1775): Systematisches Verzeichniß der Schmetterlinge der Wienergegend herausgegeben von einigen Lehrern am K. K. Theresianum: 1-323, Taf. Ia, Ib, Wien.
- DESMAREST, E. (1857): Papillons nocturnes. In CHENU, Encyclopédie d'Histoire naturelle **2**: IV+312 pp, 40 pls., Paris.
- DRAESEKE, J. (1926): Die Schmetterlinge der STÖTZNERSCHEN Ausbeute, Phalaena, Nachtfalter. - *Dt. Ent. Z. Iris* **40**: 44-55, Dresden.
- DRAUDT, M. (1931): 4. Family: Arctiidae. In SEITZ, A., The Palaearctic Bombyces and Sphinges. Div. I. Fauna Palaearctica. Suppl. to vol. **2**: 61-94, t. 5-7, Alfred Kernen, Stuttgart.
- DRUCE, H. (1899): Descriptions of some new species of Heterocera from tropical America and the Eastern islands. - *The Annals and Magazine of Natural History (series 7)* **3**: 228-236, London.
- DRUCE, H. (1901): XI. - Descriptions of some new species of Heterocera. - *Ann. Mag. Nat. Hist. (series 7)* **7**: 74-79, London.
- DRURY, D. (1773): Illustrations of Natural History. Wherein are exhibited upwards of two hundred and twenty figures of exotic insects, according to their different genera; very few of which have hitherto been figured by any author, being engraved and coloured from nature, with the greatest accuracy, and under the author's own inspection, on fifty copper-plates. With a particular description of each insect; interspersed with remarks and reflections on the nature and properties of many of them **2**: 1-92, 50 pl., London.
- DUBATOLOV, V. V. (Дубатовол, В. В.) (1984): *Borearctia* gen. n. - новый род для медведицы *Callimorpha menetriesi* (Ev.) (Lepidoptera, Arctiidae) [*Borearctia* gen. n., a new genus for the tiger-moth *Callimorpha menetriesi* (Ev.) (Lepidoptera, Arctiidae)]. - *Энтомологическое обозрение* [Entomologicheskoe Obozrenie. Revue d'Entomologie de l'URSS] **63** (2): 336-339, Leningrad (in Russian).
- DUBATOLOV, V. V. (Дубатовол, В. В.) (1985a): Заметки по систематике медведиц (Lepidoptera, Arctiidae) группы родов *Diacrisia* Нв. - *Rhyparia* Нв. [On systematics of tiger moths (Lepidoptera, Arctiidae) genus group *Diacrisia* Нв. - *Rhyparia* Нв.]. - *Систематика и биология членистоногих и гельминтов* [Systematics and biology of arthropods and helminths]: 66-71, Nauka, Siberian Department: Novosibirsk. (Series "New and little known species of Siberian fauna", No **18**) (in Russian).
- DUBATOLOV, V. V. (Дубатовол, В. В.) (1985b): Высшие медведицы (Lepidoptera, Arctiinae) гор Южной Сибири. Сообщение 1 [Tiger moths (Lepidoptera, Arctiidae) of South Siberian mountains. Report 1]. - *Членистоногие Сибири и Дальнего Востока* [Arthropods from Siberia and Far East]: 134-159, Nauka, Siberian Department: Novosibirsk. (Series "Fauna of Siberia") (in Russian).
- DUBATOLOV, V. V. (1985c): Notes on the *Holoarctia cervini* complex (Lepidoptera, Arctiidae). I. *Holoarctia marinae* sp. n. from Altai. - *Annales Entomologici Fennici* **51** (2): 57-58, Helsinki.
- DUBATOLOV, V. V. (Дубатовол, В. В.) (1987): К систематике рода *Micrarctia* SEITZ, s. l. (Lepidoptera, Arctiidae) [On systematics of the genus *Micrarctia* SEITZ, s. lat. (Lepidoptera, Arctiidae)]. - *Насекомые, клещи и гельминты* [Insects, mites and helminths]: 30-47, Nauka, Siberian Department: Novosibirsk. (Series "New and little known species of Siberian fauna", No **19**) (in Russian).
- DUBATOLOV, V. V. (Дубатовол, В. В.) (1988): Обзор видов рода *Chelis* RVR. (Lepidoptera, Arctiidae) фауны СССР [A species review of the genus *Chelis* RVR. (Lepidoptera, Arctiidae) from the fauna of the U.S.S.R.]. - *Таксономия животных Сибири* [Taxonomy of animals of Siberia]: 80-98, Nauka, Siberian Department: Novosibirsk. (Series "New and little known species of Siberian fauna", No **20**) (in Russian).
- DUBATOLOV, V. V. (Дубатовол, В. В.) (1989): Ревизия рода *Axiopoena* (Lepidoptera, Arctiidae) [Revision of the genus *Axiopoena* (Lepidoptera, Arctiidae)]. - *Вестник зоологии* [Vestnik Zoologii] **1989** (1): 8-13, Kiev (in Russian).
- DUBATOLOV, V. V. (Дубатовол, В. В.) (1990a): Новые таксоны высших медведиц (Lepidoptera, Arctiidae: Arctiinae) Палеарктики [New taxa of tiger moths (Lepidoptera, Arctiidae: Arctiinae) from the Palearctic]. - *Редкие гельминты, клещи и насекомые* [Rare helminths, mites and insects]: 79-86, Nauka, Siberian Department: Novosibirsk. (Series "New and little known species of Siberian fauna", No **21**) (in Russian).
- DUBATOLOV, V. V. (Дубатовол, В. В.) (1990b): Новые таксоны высших медведиц (Lepidoptera, Arctiidae: Arctiinae) Палеарктики. Сообщение 2 [New taxa of tiger moths (Lepidoptera, Arctiidae: Arctiinae) from the Palearctic. 2-nd report]. - *Таксономия насекомых и гельминтов* [Taxonomy of insects and helminths]: 89-101, Nauka, Siberian Department: Novosibirsk. (Series "New and little known species of Siberian fauna", No **22**) (in Russian).
- DUBATOLOV, V. V. (Дубатовол, В. В.) (1990c): Высшие медведицы (Lepidoptera, Arctiidae: Arctiinae) гор Южной Сибири. Сообщение 2 [Tiger moths (Lepidoptera, Arctiidae) of South Siberian mountains. Report 2]. - *Членистоногие и гельминты* [Arthropods and helminths]: 139-169, Nauka, Siberian Department: Novosibirsk. (Series: "Fauna of Siberia") (in Russian).
- DUBATOLOV, V. V. (Дубатовол, В. В.) (1990d): Новый род семейства Arctiidae (Lepidoptera) [A new genus of family Arctiidae (Lepidoptera)]. - *Новости фаунистики и систематики* [News on faunistics and systematics]: 89-90, Naukova Dumka: Kiev (in Russian).
- DUBATOLOV, V. V. (Дубатовол, В. В.) (1996a): Каталог типовых экземпляров палеарктических медведиц (Lepidoptera, Arctiidae, Arctiinae), хранящихся в коллекции Зоологического института РАН (Санкт-Петербург) [A catalogue of type specimens of

- the Palearctic tiger moths (Lepidoptera, Arctiidae, Arctiinae), being deposited in a collection of Zoological institute RAS (St.-Petersburg)]. - Энтомологическое обозрение [Entomologicheskoe Obozrenie. Revue d'Entomologie de l'URSS] **75** (2): 338-356, Leningrad (in Russian).
- DUBATOLOV, V. V. (1996b): 1. *Sinowatsonia*, a new genus of Arctiidae from Tibet (China) (on the systematics of the genus *Micrarctia* SEITZ s.l., Part 2). In DUBATOLOV, V. V. Three contributions to the knowledge of palearctic Arctiinae. - Neue Entomologische Nachrichten **37**: 5-8, 88-89, Verlag Dr. Ulf Eitschberger, Markt-leuthen.
- DUBATOLOV, V. V. (1996c): 2. A review of the genus *Palearctia* FERGUSON (on the systematics of the genus *Micrarctia* SEITZ s.l., Part 3). In DUBATOLOV, V. V. Three contributions to the knowledge of palearctic Arctiinae. - Neue Entomologische Nachrichten **37**: 9-37, 88-89, Verlag Dr. Ulf Eitschberger, Markt-leuthen.
- DUBATOLOV, V. V. (1996d): 3. A list of the Arctiinae of the territory of the former U.S.S.R. (Lepidoptera, Arctiidae). In DUBATOLOV, V. V. Three contributions to the knowledge of palearctic Arctiinae. - Neue Entomologische Nachrichten **37**: 39-87, Verlag Dr. Ulf Eitschberger, Markt-leuthen.
- DUBATOLOV, V. V. (2002): Some notes on the systematics of the genus *Lithosarctia* DANIEL, 1954 (Lepidoptera, Arctiidae). - *Atalanta* **33** (1/2): 173-176, 236-237 (pl. VII), Würzburg.
- DUBATOLOV, V. V. (Дубатовол, В.В.) (2002 [2003a]): О синонимии *Bombyx honesta* TAUSCHER, 1806 и *Chelonia mannerheimii* DUPONCHEL, 1836 (Lepidoptera, Arctiidae, *Chelis*) [On a synonymy of *Bombyx honesta* TAUSCHER, 1806 and *Chelonia mannerheimii* DUPONCHEL, 1836]. - Евразийский энтомологический журнал [Euroasian Entomological Journal] **1** (2): 141-142, KMK Press, Novosibirsk-Moscow (in Russian).
- DUBATOLOV, V. V. (2003b): Three new genera of Chinese Arctiinae (Lepidoptera, Arctiidae). - *Tinea* **17** (5): 255-265, Tokyo.
- DUBATOLOV, V. V. (Дубатовол, В.В.) (2004a): Обзор рода *Eudiaphora* DUBAT. (Lepidoptera, Arctiidae) с описанием двух новых подвигов из Туркменистана [Review of the genus *Eudiaphora* DUBAT. (Lepidoptera, Arctiidae) with description of two new subspecies from Turkmenistan]. - Евразийский энтомологический журнал [Euroasian Entomological Journal] **3** (2): 151-154, colour plate II, KMK Press: Novosibirsk-Moscow (in Russian).
- DUBATOLOV, V. V. (2004b): Some generic changes in Arctiinae from South Eurasia with description of three new genera (Lepidoptera, Arctiidae). - *Atalanta* **35** (1/2): 73-83, colour plate IVa, Würzburg.
- DUBATOLOV, V. V. (2004c): A new genus is established for *Bombyx lineola* FABRICIUS, 1793, with systematic notes on the genus *Aloa* WALKER, 1855 (Lepidoptera, Arctiidae). - *Atalanta* **35** (3/4): 403-413, colour plate XXIIb, Würzburg.
- DUBATOLOV, V. V. (2005): Description of new taxa of tiger moths from China, with some synonymic notes (Lepidoptera, Arctiidae). - *Atalanta* **36** (3/4): 526-537, colour plates 13-14, Würzburg.
- DUBATOLOV, V. V. (Дубатовол, В.В.) (2006a): Кладогенез чешуекрылых подсемейства Arctiinae (Lepidoptera, Arctiidae). Построение модели кладогенеза трибы Callimorphini методом SYNAP [Cladogenesis of tiger-moths of the subfamily Arctiinae: development of a cladogenetic model of the tribe Callimorphini (Lepidoptera, Arctiidae) by the SYNAP method]. - Евразийский энтомологический журнал [Euroasian Entomological Journal] **5** (2): 95-104, KMK Press, Novosibirsk-Moscow (in Russian).
- DUBATOLOV, V. V. (2006): On the generic satus of the Afrotropical *Nycterema* species (Lepidoptera, Arctiidae). - *Atalanta* **37** (1/2): 191-205, Würzburg.
- DUBATOLOV, V. V. (2006b): Review of the genus *Tatargina* BUTLER, 1877, with a description of a new subgenus (Lepidoptera, Arctiidae). - *Atalanta* **37** (1/2): 206-215, Würzburg.
- DUBATOLOV, V. V. (2006c): New genera and species of Arctiinae from the Afrotropical fauna (Lepidoptera: Arctiidae). - *Nachrichten des Entomologischen Vereins Apollo* **27** (3): 139-152, Frankfurt am Main.
- DUBATOLOV, V. V. (2006d): New *Spilarctia* species from Western Indonesia (Lepidoptera, Arctiidae). - *Atalanta* **37** (3/4): 399-407, colour plates 510-512 (pl. 9-11), Würzburg.
- DUBATOLOV, V. V. (Дубатовол, В.В.) (2007a): Чешуекрылые подсемейства Arctiinae (Lepidoptera, Arctiidae) Палеарктики [Moths of the subfamily Arctiinae (Lepidoptera, Arctiidae) of the Palearctic]. - Автореферат диссертации на соискание учёной степени доктора биологических наук [ScDr theses]: 1-50, Novosibirsk (in Russian).
- DUBATOLOV, V. V. (2007b): New tiger moth taxa from Eurasia (Lepidoptera, Arctiidae). - *Atalanta* **38** (3/4): 351-359, 419-420 (colour pl. 17-18), Würzburg.
- DUBATOLOV, V. V. (2008a): *Palerontobia kozlovi* - a new species and genus of high mountain tiger-moth from Qinghai (Lepidoptera, Arctiidae). - *Atalanta* **39** (1/4): 351-355, 6 figs., colour pl. 15, Würzburg.
- DUBATOLOV, V. V. (2008b): Construction of the phylogenetic model for the genera of the tribe Arctiini (Lepidoptera, Arctiidae) with the SYNAP method. - *Entomological Review* **88** (7): 833-837, New York.
- DUBATOLOV, V. V. (2009): Development of a phylogenetic model for the tribe Micrarctiini (Lepidoptera, Arctiidae) by the SYNAP method. - *Entomological Review* **89** (3): 306-313, New York.
- DUBATOLOV, V. V. & A. M. DOLGIKH (2010): [New findings of macromoths (Insecta, Lepidoptera, Macroheterocera) in the Nature Reserve Bolshekhkhtskii (the Khabarovsk suburbs)]. - *Amurian Zoological Journal* **2** (2), Blagoveshchensk.
- DUBATOLOV, V. V. & V. O. GURKO (2002): New species of the genus *Palearctia* FERGUSON, 1984 (Lepidoptera: Arctiidae) from Tibet (China) - a sibling species to *P. hauensteini* KAUTT, 1996. - *Russian Entomological Journal* **11** (2): 229-232, KMK Press, Moscow.
- DUBATOLOV, V. V. & V. O. GURKO (2003): A new subspecies of *Palearctia gratiosa* (Lepidoptera, Arctiidae) from the Pamirs. - *Atalanta* **34** (3/4): 401-403, 424, Würzburg.
- DUBATOLOV, V. V. & V. O. GURKO (2004a): New Arctiinae species from Azad Kashmir, Pakistan (Lepidoptera, Arctiidae). - *Atalanta* **35** (1/2): 84-90, colour plate IVb, Würzburg.
- DUBATOLOV, V. V. & V. O. GURKO (2004b): A new *Oroncus* species from the Pamirs, Tajikistan (Lepidoptera, Arctiidae). - *Atalanta* **35** (3/4): 399-402, colour plate XXIa, Würzburg.
- DUBATOLOV, V. V. & V. O. GURKO (2005): A new *Arctia* species from the Himalayas. - *Atalanta* **36** (3/4): 538-540, colour plate 15, Würzburg.
- DUBATOLOV, V. V., HAYNES, P. & Y. KISHIDA (2007): Review of the genus *Rajendra* MOORE, with systematic notes on the genus *Nannoarctia* KÔDA (Lepidoptera, Arctiidae). - *Tinea* **20** (1): 67-76, Tokyo.
- DUBATOLOV, V. V., HAYNES, P. G. & Y. KISHIDA (2009): Subspecies of *Areas galactina* (HOEVEN, 1840) (Lepidoptera, Arctiidae): 25

- years after H. INOUE's review. - *Tinea* **20** (5): 316-329, Tokyo.
- DUBATOLOV, V. & J. HOLLOWAY (2007): A new species of the *Cretonotos transiens*-group (Lepidoptera: Arctiidae) from Sulawesi, Indonesia. - *Bonner Zoologische Beiträge* **55** (2): 113-121, Bonn.
- DUBATOLOV, V. V. & Y. KISHIDA (2004): On a distribution of *Pericallia matronula* L. (Lepidoptera, Arctiidae), with description of a new subspecies, based on the male genitalia structure. - *Tinea* **18** (3): 220-229, Tokyo.
- DUBATOLOV, V. V. & Y. KISHIDA (2005a): Review of the genus *Alphaea* WALKER, 1855 (Lepidoptera, Arctiidae). - *Tinea* **18** (4): 241-252, Tokyo.
- DUBATOLOV, V. V. & Y. KISHIDA (2005b): What is true *Chelonia alba* BREMER ET GREY, [1852]? (Lepidoptera, Arctiidae). - *Tinea* **18** (4): 270-275, Tokyo.
- DUBATOLOV, V. V. & Y. KISHIDA (2005c): New genera of Arctiinae (Lepidoptera, Arctiidae) from South and East Asia. - *Tinea* **18** (4): 307-314, Tokyo.
- DUBATOLOV, V. V. & Y. KISHIDA (2005d): A review of the genus *Aethalida* WALKER, 1865, with description of a new species (Lepidoptera, Arctiidae). - *Tinea* **19** (1): 48-58, Tokyo.
- DUBATOLOV, V. V. & Y. KISHIDA (2006a): *Hollowayana*, a new genus for *Arctia landaca* MOORE, 1859 and *Diacrisia sumatrensis javanica* ROTHSCHILD, 1910 (Lepidoptera, Arctiidae) from Java. - *Tinea* **19** (2): 104-108, Tokyo.
- DUBATOLOV, V. V. & Y. KISHIDA (2006b): On the re-arrangement of the East Asian *Callimorpha* species (Lepidoptera, Arctiidae). - *Tinea* **19** (2): 111-125, Tokyo.
- DUBATOLOV, V. V. & Y. KISHIDA (2006c): Review of the *Spilarctia hypogopa* species group, with description of a new species and two new subspecies (Lepidoptera, Arctiidae). - *Atalanta* **37** (3/4): 393-389, colour plates 508-509 (pl. 7-8), Würzburg.
- DUBATOLOV, V. V. & Y. KISHIDA (2007): Review of the genus *Argyartia* KODA (Lepidoptera, Arctiidae). - *Евразийский энтомологический журнал* [Euroasian Entomological Journal] **6** (1): 81-84, KMK Press, Novosibirsk-Moscow.
- DUBATOLOV, V. V., KISHIDA, Y. & CHENGLAI FANG (2005): Review of the subspecies of *Spilarctia leopardina* (KOLLAR, [1844]) (Lepidoptera, Arctiidae). - *Atalanta* **36** (1/2): 180-188, 394-399, Würzburg.
- DUBATOLOV, V. V., KISHIDA, Y. & M. WANG (2008): New taxa of *Eospilarctia* KODA and *Lemyra* WALKER from the Nanling Mts, South China (Lepidoptera, Arctiidae: Arctiinae). - *Tinea* **20** (3): 133-139, Tokyo.
- DUBATOLOV, V. V., KISHIDA, Y. & WANG, M. (2009): A review of the genus *Amsactoides* MATSUMURA (Lepidoptera, Arctiidae), with description of a new species from the continental Asia. - *Tinea* **20** (5): 269-273, Tokyo.
- DUBATOLOV, V. V., KISHIDA, Y. & CH. WU (2005): A review of the genus *Preparctia* HAMPSON (Lepidoptera, Arctiidae). - *Tinea* **19** (1): 28-35, Tokyo.
- DUBATOLOV, V. V. & B. C. SCHMIDT (2005): A new species of the genus *Grammia* RAMBUR, 1866 (Lepidoptera, Arctiidae) from Northern Transbaikalia. - *Евразийский энтомологический журнал* [Euroasian Entomological Journal] **4** (1): 53-54, KMK Press, Novosibirsk-Moscow.
- DUBATOLOV, V. V. & YU. A. TSHISTIAKOV (Дубатовол, В.В. & Чистяков, Ю.А.) (1989): Новый вид рода *Paelearctia* (Lepidoptera, Arctiidae) - интересный пример конвергентного сходства у медведиц [A new species of the genus *Paelearctia* (Lepidoptera, Arctiidae) - an interesting example of a convergent affinity in tiger moths]. - *Зоологический журнал* [Zoologicheskii Zhurnal] **68** (11): 141-143, Moscow (in Russian).
- DUBATOLOV, V. V. & CH. WU (2008): On the systematic position of *Spilosoma caeria* (PUNGLER, 1906) and *Spilosoma mienshanicum* DANIEL, 1943 (Lepidoptera, Arctiidae). - *Atalanta* **39** (1/4): 367-374, 9 figs., pl. 15-17, Würzburg.
- DUBATOLOV, V. V. & R. ZAHIRI (2005): Tiger-moths of Iran (Lepidoptera, Arctiidae: Arctiinae). - *Atalanta* **36** (3/4): 481-525, colour plates 6-12, Würzburg.
- DUPONCHEL, PH. (1836): Histoire naturelle des Lépidoptères ou Papillons de France. Nocturnes. Supplément 3: 1-651, 50 t., Paris.
- DUPONCHEL, PH. (1843): In D'ORBIGNY, C. D. (Ed.) Dictionnaire universel d'Histoire naturelle 3: 744 pp., Paris.
- DYAR, H. G. (1899): Notes on Alaskan Arctiidae. - *Entomological News* **10**: 130-131, Philadelphia, Pa.
- DYAR, H. G. (1900): Change of preoccupied names. - *The Canadian Entomologist* **32** (11): 347, Ottawa.
- DYAR, H. G. (1901): Diagnosis of a new arctian. - *Journal New York Entomological Society* **9**: 85, New York.
- EBERT, G. (1973): Afghanische Bombyces und Sphinges. 6. Arctiidae. Ergebnisse der 2. Deutschen Afghanistan-Expedition (1966) der Landessammlungen für Naturkunde in Karlsruhe. - *Reichenbachia* **14** (8): 47-74, Staatliches Museums für Tierkunde in Dresden, Dresden.
- EBERT, G. (1974): Zur Taxonomie und Verbreitung der *Ocnogyna nordsroemi*-Artengruppe (Lep./Arct.). - *Beiträge zur naturkundlichen Forschung in Südwestdeutschland* **33**: 169-176, Karlsruhe.
- EDWARDS, E. D. (1996): Arctiidae: 278-286, 368-370. In NIELSEN, E., EDWARDS, E., RANGSI, T., EDWARDS, E. D., NIELSEN E. S. & T. V. RANGSI, *Monographs on Australian Lepidoptera* **4**: xiv+529, CSIRO: Melbourne.
- EЕCKE, R. VAN (1927a): Een en ander over de soorten van het genus "*Nyctemera* HÜBN.". - *Entomologische Berichten* **7**: 220-223, Amsterdam.
- EЕCKE, R. VAN (1927b): VIII. - De Heterocera van Sumatra - IV. - *Zoologische Mededeelingen* **10**: 90-157, pl 4, Leiden.
- EЕCKE, R. VAN (1928): De Heterocera van Sumatra - V. - *Zoologische Mededeelingen* **11** (2/3): 49-145, Leiden.
- EICHWALD, E. (1830): *Zoologia specialis quam expositis animalibus tum vivis, tum fossilibus postissimum Rossiae in Universum, et Poloniae in specie, in usum lectionum publicarum in Universitate Caesarea Vilmensi* **1**: 323 pp., 2 t., Typis Josephi Zawadzki: Vilnae.
- ERSCHOFF, N. (1872): Diagnoses de quelques espèces nouvelles de Lépidoptères appartenant à la faune de la Russie Asiatique. - *Horae Societas Entomologicae Rossicae* **8**: 315-318, St.-Petersburg.
- ERSCHOFF, N. (Ершов, Н.) (1874) *Чешуекрылые* (Lepidoptera). In Федченко, А. (FEDTSCHENKO, A.) Путешествие в Туркестан [Reise in Turkestan auf Veranlassung des General-Gouverneurs von Turkestan, General von KAUFMANN, herausgegeben von Gesellschaft der Freunde der Naturwissenschaften in Moskau]. T. 2, part 5, dept. 3, 4+6+128 p., 4 pl, Moskau (in Russian).
- ESPER, E. J. (1785-1786): Die Schmetterlinge in Abbildungen nach der Natur mit Beschreibungen von EUGENIUS JOHANN CHRISTOPH ESPER **3**: 1-396, T. 1-94, Verlag Wolfgang Walthers, Erlangen, Leipzig.
- EVERSMANN, E. (1843): Quaedam lepidopterorum species novae in montibus Uralensibus et Altaicus habitantes nunc descriptae et depictae. - *Bulletin de la Société Impériale des Naturalistes de Moscou* **16** (3): 535-555, t. 7-10, Moscow.
- EVERSMANN, E. (1846): *Lepidoptera quaedam nova in Rossia observata*. - *Bulletin de la Société Impériale des Naturalistes de*

- Moscou **19** (3): 83-89, pl. 1-2, Moscow.
- EVERSMANN, E. (1847): *Lepidoptera quaedam nova Rossiae et Sibiriae indigena descripsit et delineavit*. - Bulletin de la Société Impériale des Naturalistes de Moscou **20** (3): 66-83, 6 t., Moscow.
- EVERSMANN, E. (1848): Beschreibung einiger neuen Falter Russlands. - Bulletin de la Société Impériale des Naturalistes de Moscou **21** (3): 205-232, Moscow.
- EXÓSITO, H. (1991): Una nueva *Coscinia* HÜBNER, [1819] de España (Lepidoptera: Arctiidae). - SHILAP, Revista de Lepidopterología **19** (73): 31-34, Madrid.
- FABRICIUS, I. C. (1775): *Systema entomologiae, sistens insectorum classes, ordines, genera, species, adjectis synonymis, locis, descriptionibus, observationibus*: [32]+832 pp., Flensburgi et Lipsiae.
- FABRICIUS, I. C. (1787): *Mantissa Insectorum sistens species nuper detectas adiectis synonymis, observationibus, descriptionibus, emendationibus II*: 1-382, Hafniae.
- FABRICIUS, I. C. (1793): *Entomologia Systematica emendata et aucta. Secundum classes, ordines, genera, species adjectis synonymis, locis, observationibus, descriptionibus III* (I): [VI]+488 pp., Hafniae.
- FABRICIUS, I. C. (1794): *Entomologia Systematica emendata et aucta. Secundum classes, ordines, genera, species adjectis synonymis, locis, observationibus, descriptionibus III* (II): 349 pp., Hafniae.
- FABRICIUS, I. C. (1798): *Supplementum Entomologiae Systematicae*: 1-572, Hafniae.
- FALLOU, M. J. (1864): Description d'un nouveau Lépidoptère Hétérocère du genre *Nemeophila* STEPH. - Annales de la Société Entomologique de France Ser. 4, **4**: 23-26, pl. 1, Paris.
- FANG, CH. (1981): A new species of the genus *Spilosoma* from China (Lepidoptera: Arctiidae). - Acta Zootaxonomica Sinica **6** (1): 98-99, Beijing (in Chinese).
- FANG, CH. (1982a): Four new species of the genus *Spilarctia* from West China (Lepidoptera: Arctiidae). - Acta Entomologica Sinica **25** (2): 201-203, Beijing (in Chinese).
- FANG, CH. (1982b): Arctiidae. - Iconographia heterocerorum sinicorum **2**: 190-277, Beijing (in Chinese).
- FANG, CH. (1983a): A new species of Arctidae from China (Lepidoptera). - Acta Zootaxonomica Sinica **8** (1): 84-85, Beijing (in Chinese).
- FANG, CH. (1983b): A new species of *Alphaea* from China (Lepidoptera: Arctiidae). - Acta Entomologica Sinica **26** (2): 216-217, Beijing (in Chinese).
- FANG, CH. (1985): Lepidoptera: Arctiidae. - Economic Insect fauna of China **33**: 1-100, 1-10 pl., Science Press, Beijing (in Chinese).
- FANG, CH. (1990): Descriptions of two new species of Arctiidae of China (Lepidoptera). - Sinozoologia **7**: 155-156, Beijing (in Chinese).
- FANG, CH. (1992a): Lepidoptera: Arctiidae. - Insects of Wuling Mountains area, Southwestern China: 516-519, Beijing (in Chinese).
- FANG, CH. (1992b): Lepidoptera: Arctiidae, Lithosiidae, Nolidae, Ctenuchidae. - Insects of the Hengduan Mountains Region: 962-983, Beijing (in Chinese).
- FANG, CH. (1993): A study of the Chinese *Lemyra* WALKER (Lepidoptera, Arctiidae). - Scientific Treatise on Systematic and Evolutionary Zoology **2**: 173-191, Beijing (in Chinese).
- FANG, CH. (1994): A study of the genus *Argyartia* (Lepidoptera, Arctiidae). - Sinozoologia **11**: 97-99, Beijing (in Chinese).
- FANG, CH. (2000): Lepidoptera. Arctiidae. - Fauna Sinica. Insecta **19**, Science Press, Beijing (in Chinese).
- FANG, CH. & W. CAO (1984): New species of Arctiidae from Yunnan (Lepidoptera). - Entomotaxonomia **6** (2-3): 175-177, Beijing (in Chinese).
- FELDER, C. & R. FELDER (1862): *Observationes de Lepidopteris nonnullis Chinae centralis et Japoniae*. - Wiener Entomologische Monatschrift **6** (2): 33-40, Wien.
- FELDER, C., FELDER, R. & A. F. ROGENHOFER (1874-1875): *Reise der österreichischen Fregatte Novara um die Erde in den Jahren 1857, 1858, 1859 unter den Befehlen des Commodore B. von WÜLLERSTORF-URBAIR*. Zoologische Theil. Heft IV. Atlas der Heterocera Sphingidae-Noctuidae **2** (Abt. 2). 1874: Pls. 75-107, 108-120; 1875: Pls 121-140, Erklärung 1-10, Inhaltsverzeichnis 1-20, Wien.
- FERGUSON, D. C. (1984): Two new generic names for groups of holarctic and palaearctic Arctiini (Lepidoptera, Arctiidae). - Proceedings of the Entomological Society of Washington **86** (2): 452-459, Washington.
- FERGUSON, D. C. (1985): Contributions toward reclassification of the world genera of the tribe Arctiini, Part 1 - Introduction and a revision of the *Neoarctia-Grammia* group (Lepidoptera: Arctiidae; Arctiinae). - Entomography. An Annual Review for Biosystematics **3**: 181-275, Sacramento, California.
- FERGUSON, D. C. & P. A. OPLER (2006): Checklist of the Arctiidae (Lepidoptera: Insecta) of the continental United States and Canada. - Zootaxa **1299**: 1-33, Auckland.
- FORBES, W. T. M. (1955): The subdivision of the Eupterotidae (Lepidoptera). - Tijdschrift voor Entomologie **98** (2): 85-132, Amsterdam.
- FRANCLEMONT, J. G. (1983): Arctiidae. In HODGES, R. W. et al., Check List of the Lepidoptera of America North of Mexico, including Greenland: 114-118, London.
- FREINA, J. J. DE (1979): 1. Beitrag zur systematischen Erfassung der Bombyces- und Sphinges-Fauna Kleinasiens. - Atalanta **10** (3): 175-224, Würzburg.
- FREINA, J. J. DE (1981): 2. Beitrag zur systematischen Erfassung der Bombyces- und Sphinges-Fauna Kleinasiens. - Atalanta **12** (1): 18-63, Würzburg.
- FREINA, J. J. DE (1982): *Carcinopyga lichenigera nuytenae* ssp.n. (Lepidoptera, Arctiidae). - Entomofauna. Zeitschrift für Entomologie **3** (1): 1-20, Linz.
- FREINA, J. J. DE (1983): 4. Beitrag zur systematischen Erfassung der Bombyces- und Sphinges-Fauna Kleinasiens. Neue Erkenntnisse über Artenspektrum, Systematik und Nomenklatur sowie Beschreibung neuer Taxa. - Mitteilungen der Münchner Entomologischen Gesellschaft **72**: 57-127, München.
- FREINA, J. J. DE (1993): Contribution to the knowledge of the Balkan and West Asian populations of *Parasemia plantaginis* (LINNAEUS, 1758) with the description of a new subspecies from the Kurdistan Zagros-Range: *carbonelli* n.ssp. (Lepidoptera, Arctiidae). - Linneana Belgica **14** (3): 155-164, Bruxelles.
- FREINA, J. J. DE (1997): Nouvelles Arctiides de la faune paléarctique asiatique (Lepidoptera, Arctiidae, Arctiinae). - Linneana belgica **16** (1): 49-60, Bruxelles.
- FREINA, J. J. DE (1999a): 10. Beitrag zur systematischen Erfassung der Bombyces- und Sphinges- Fauna Kleinasiens. Weitere Kennt-

- nisse über Artenspektrum, Systematik und Verbreitung der Lasiocampidae, Lemoniidae, Notodontidae, Thaumetopoeidae, Lymantriidae, Arctiidae und Cymatophoridae (Insecta, Lepidoptera). - *Atalanta* **30** (1/4): 187-257, T. 11-14a, Würzburg.
- FREINA, J. J. DE (1999b): Beschreibung von zwei neuen Arctiidenarten aus Ostt Tibet und Burma sowie Bemerkungen und Ergänzungen zum Artenspektrum der Gattung *Eospilarctia* KODA, 1988 (Lepidoptera, Arctiidae, Arctiinae). - *Atalanta* **30** (1/4): 179-186, T. 14b, Würzburg.
- FREINA, J. J. DE (2007): *Cretonotos omanirana* sp. n. aus dem Oman und dem Iran (Arctiidae: Arctiinae). - *Nota Lep.* **30** (2): 375-386, Dresden.
- FREINA, J. J. DE (2010): Über das Artenspektrum der Gattung *Ceratonotos* HÜBNER, 1816 auf der Arabischen Halbinsel mit einer Revision der afrotropischen *Ceratonotos leucanioides* HOLLAND, 1893-Artengruppe (Lepidoptera: Arctiidae, Spilosominae). - *Espieriana* **15**: 423-431, pl. 63, 64, Schwandelf.
- FREINA, J. J. DE & U. NARDELLI (2007): Revision des *Arctia villica*-Komplexes. - I. Teil: Nomenklatur und Systematik der adriato- und atlantomediterranean Arten *Arctia villica* (LINNAEUS, 1758) (partim), *Arctia angelica* (BOISDUVAL, 1829) stat. nov. und *Arctia konewkaii* (FREYER, 1831) stat. rev. (Lepidoptera: Arctiidae, Arctiinae). - *Entomologische Zeitschrift* **117** (3): 105-123, Frankfurt am Main.
- FREINA, J. J. DE & T. J. WITT (30.IX. 1984a): Taxonomische Veränderungen bei den Bombyces und Sphingees Europas und Nordwestafrikas. Über die Berechtigung von Unterarten bei *Spiris striata* (LINNAEUS, 1758) und *Coscinia cribraria* (LINNAEUS, 1758). Ergebnisse einer Teilvision. - *Nota lepidopterologica* **7** (3): 223-236, Karlsruhe.
- FREINA, J. J. DE & T. J. WITT (5.Nov. 1984b): Taxonomische Veränderungen bei den Bombyces und Sphingees Europas und Nordwestafrikas. Zwei neue Arctiidaegattungen den westpaläarktischen Faunenbereich: *Watsonarctia* gen.n. und *Maurica* gen.n. (Lepidoptera, Arctiidae). - *Entomofauna. Zeitschrift für Entomologie* **5** (28): 323-334, Linz.
- FREINA, J. J. DE & T. J. WITT (31.III 1985): *Arctia weigerti* sp. n., eine neue Bärenspinnerart aus dem Karakorum (Lepidoptera, Arctiidae). - *Nota Lepidopterologica* **8** (1): 21-24, Karlsruhe.
- FREINA, J. J. DE & T. WITT (1987): Die Bombyces und Sphingees der Westpaläearktis 1: 1-708. - Edition Forschung & Wissenschaft, München.
- FREINA, J. J. DE & T. WITT (1994): Zur Kenntnis der Gattung *Lithosarctia* DANIEL, 1954 mit Beschreibung zweier neuer Taxa. - *Atalanta* **25** (3/4): 535-542, Würzburg.
- FREY, H. (1872): Kleine Mittheilungen. - *Mittheilungen der Schweizerischen Entomologischen Gesellschaft* **3**: 478-481, Schaffhausen.
- FREYER, C. (1831-33): Neue Beiträge zur Schmetterlingskunde **1**: 1-182, 96 Tab., Augsburg.
- FREYER, C. (1834): Neue Beiträge zur Schmetterlingskunde **2**: 1-162, Tab. 97-192, Augsburg.
- FREYER, C. (1842): Neue Beiträge zur Schmetterlingskunde **4**: 1-167, Tab. 289-384, Augsburg.
- FREYER, C. (1843-45): Neue Beiträge zur Schmetterlingskunde **5**: 1-166, Tab. 385-480, Augsburg.
- FRIVALDSZKY, J. (1835): Közlések a Balkány vidékén tett természettudományi utazásról. - *A Magyar Tudós Társaság Évkönyvei* **2**: 235-276, Buda.
- FUESSLY, J. C. (1778): *Magazin für die Liebhaber der Entomologie* **1**: 1-288, 2 Tab., Zürith und Winterthur.
- GERBER, H. (1979): Vergleich der Populationen von *Orodemnia cervini* (FALLOU) aus den Walliser- und Oetzaleralpen (Lepidoptera / Arctiidae). - *Mitteilungen der Entomologischen Gesellschaft Basel* **29** (2): 34-43, Basel.
- GEOFFROY, E. L. (1785): In FOURCROY, A. F. de (ed.). *Entomologia Parisiensis; sive Catalogus Insectorum quæ in Agro Parisiensi reperiuntur; Secundum methodum Geoffræanam in sectiones, genera et species distributus; sui addita sunt nomina trivalia & fere trecentæ novæ Species. Pars 2*: [1-2]+233-544, Via et ædibus Serpentineis: Parisiensis.
- CHOI, S.-W. (2004): Taxonomic note on *Lemyra inaequalis* (Butler) (Lepidoptera, Arctiidae) in Korea. - *Ent. Res.* **34** (3): 169-172, Seoul.
- GISTL, J. N. F. X. (1848): *Naturgeschichte des Thierreichs, für höhere Schulen*: xvi+216 pp, Stuttgart.
- GODART, M. J.-B. (1822 [1823]): *Histoire Naturelle des lépidoptères ou papillons de France* **4**: 1-424, 40 pl., Chez Crevot, Libraire-éditeur, Paris.
- GOEZE, J. A. E. (1781): *Entomologische Beyträge zu des Ritter LINNÉ zwölften Ausgabe des Natursystems* **3** (3): XLVIII+178 S., Leipzig.
- GÓMEZ BUSTILLO, M. R. (1979): *Mariposas de la Península Ibérica* **4** (Heteróceros II): 1-280, Madrid.
- GÓMEZ BUSTILLO, M. R. & M. G. DE ARROYO VIEDMA (1977): Una nueva raza Ibérica de *Arctia fasciata* (ESP., 1784) (Lep., Arctiidae). - *SHILAP, Revista de Lepidopterología* **5** (2): 181-183, ill., Madrid.
- GOODGER, D. T. & A. WATSON (1995): *The Afrotropical Tiger-Moths. An illustrated catalogue, with generic diagnosis and species distribution, of the Afrotropical Arctiinae* (Lepidoptera: Arctiidae): 1-55, Apollo Books Aps.: Stenstrup, Denmark.
- GRAESER, L. (1888): Beiträge zur Kenntnis der Lepidopteren-Fauna des Amurlandes. - *Berliner Ent. Z.* **32**: 33-153, 309-414, Berlin.
- GRAESER, L. (1892): Beiträge zur Kenntnis der Lepidopteren-Fauna des Amurlandes. V. - *Berliner Ent. Z.* **37** (2): 209-234, Berlin.
- GRASLIN, M. A. DE (1836): Notice sur une exploration entomologique en Andalousie suivie de la description, accompagnée de figures, de plusieurs lépidoptères nouveaux, trouvés dans cette partie de l'Espagne. - *Annales de la Société Entomologique de France Ser. 1*, **5**: 547-572, pl. 17, Paris.
- GRASLIN, M. A. DE (1850): Notice sur quelques lépidoptères nouveaux trouvés dans les Pyrénées Orientales en 1847. - *Annales de la Société Entomologique de France Ser. 2*, **8**: 391-416, pl. 10, Paris.
- GROSSER, N. (1982): Zur Fauna der Bombyces und Sphingees der Mongolei (Insecta, Lepidoptera). - *Faunistische Abhandlungen. Staatliches Museum für Tierkunde in Dresden* **9** (13): 137-140, Dresden.
- GROTE, A. R. (1865): Notes on the Bombycidae of Cuba. - *Proc. Ent. Soc. Philadelphia* **5**: 227-255, pl. IV, Philadelphia, Pa.
- GRUM-GRSHIMAILO, GR. ([1890] 1889): *Lepidoptera nova vel parum cognita regionis palaearticae*. - *Ежегодникъ Зоологическаго Музея Императорской академіи наукъ* [Annuaire du Musée Zoologique de l'Académie Impériale des Sciences de St.-Petersbourg] **4** (1899): 455-472, St.-Petersburg.
- GRUM-GRSHIMAILO, GR. (1890): Le Pamir et la faune lépidoptérologique. - *Mémoires sur les lépidoptères*, ed. N. M. ROMANOFF **4**: 576 p., 21 pl. M. Stassulëwitsch, St.-Petersbourg.
- GRUM-GRSHIMAILO, GR. (1891): *Lepidoptera nova in Asia centrali novissime lecta et descripta a GR. GRUM-GRSHIMAILO*. - *Horæ Societas Entomologicae Rossicae* **25**: 445-465, St.-Petersburg.
- GRUM-GRSHIMAILO, GR. (1902): *Lepidoptera nova vel parum cognita regionis palaearticae II*. - *Ежегодникъ Зоологическаго Музея Императорской академіи наукъ* [Annuaire du Musée Zoologique de l'Académie Impériale des Sciences de St.-Petersbourg] **7**: 191-204, St.-Petersburg.



- GUÉRIN-MÉNEVILLE, F.-E. (1830): Insectes: pl. 20-21. In: Voyage autour du monde, exécuté par ordre du Roi, sur la corvette de sa Majest., La Coquille, pendant les années 1822, 1823, 1824 et 1825 sous les ministères de S.E.M. Le Marquis DE CLERMONT-TONNERRE, et publié sous les auspices de son Excellence M. Le Cte DE CHABROL, Ministre de la Marine et des Colonies. Histoire naturelle, zoologie. Atlas: 21 pl., A. Bertrand, Paris.
- GUÉRIN-MÉNEVILLE, F.-E. (1829-1858): Iconographie du Règne Animal de G. CUVIER, ou représentation d'après nature de l'une des espèces les plus remarquables, et souvent non encore figurées, de chaque genre d'animaux. Avec un texte descriptif mis au courant de la science. Ouvrage pouvant servir d'atlas a tous les traités de zoologie. - **10** Insectes: 1-576, Paris.
- HAMPSON, G. F. (1891): The Lepidoptera Heterocera of the Nilgiri District. - Illustrations of typical specimens of Lepidoptera Heterocera of the British Museum **8**: I-IV, 1-144, pls. 139-156, London.
- HAMPSON, G. F. (1893): The Macrolepidoptera Heterocera of Ceylon. - Illustrations of typical specimens of Lepidoptera Heterocera of the British Museum **9**: 182 p., pl. CLVII-CLXXVI, London.
- HAMPSON, G. F. (1894): The fauna of British India, including Ceylon and Burma II Moths: XXII+609 pp., London.
- HAMPSON, G. F. (1896): In WALSINGHAM, M. A. & HAMPSON, G. F., 2. On moths collected at Aden and Somaliland. - Proceedings of the Scientific Meetings of the Zoological Society of London **1896**: 257-283, pl. X, London.
- HAMPSON, G. F. (1900a): The moths of South Africa (Part 1). - Annals of the South African Museum **2**: 33-66, London.
- HAMPSON, G. F. (1900b): The moths of India. Supplementary paper to the volumes in "The fauna of British India." series II, part III. - Journal of the Bombay Natural History Society **13**: 499-575, Bombay.
- HAMPSON, G. F. (1901): Catalogue of the Arctiadae (Arctiinae) and Agaristidae in the collection of the British Museum (Natural History). - Catalogue of the Lepidoptera Phalaenae in the collection of the British Museum (Natural History) London **3**: XII+609 p., pl. 36-54, London.
- HAMPSON, G. F. (1907): Descriptions of new genera and species of Syntomidae, Arctiadae, Agaristidae and Noctuidae. - The Annals and Magazine of Natural History (series 7) **19**: 221-257, London.
- HAMPSON, G. F. (1909): XLI. - Descriptions of new genera and species of Syntomidae, Arctiadae, Agaristidae, and Noctuidae. - The Annals and Magazine of Natural History (series 8) **4**: 344-388, London.
- HAMPSON, G. F. (1910): The moths of India. Supplementary paper to the volumes in "The fauna of British India." series IV, part I. - Journal of the Bombay Natural History Society **20** (1): 83-125, pl. F, G, Bombay.
- HAMPSON, G. F. (1911): LV. - Descriptions of new genera and species of Syntomidae, Arctiadae, Agaristidae, and Noctuidae. - The Annals and Magazine of Natural History (series 8) **8**: 393-445, London.
- HAMPSON, G. F. (1916): Descriptions of new species of the family Arctiadae in the British Museum. - Novitates Zoologicae **23** (2): 230-240, London and Aylesbury.
- HAMPSON, G. F. (1918): Descriptions of new genera and species of Amatidae, Lithosidae, and Noctuidae. - Novitates Zoologicae **25** (1): 93-217, London and Aylesbury.
- HAMPSON, G. (1920): Catalogue of the Lepidoptera Phalaenae in the British Museum. London. Suppl. **2**: 23+619 p., t. 42-71, London.
- HARRIS, TH. W. (1828): Insects. - New England Farmer **7** (5): 33-34, Boston.
- HARRIS, TH. W. (1841): A report on the insects of Massachusetts, injurious to vegetation: viii + 459 pp., Folsom, Wells, and Thurston, Cambridge, Massachusetts.
- HÄUSER, C. (1993): A critical catalogue of species-group names of the genus *Amerila* WALKER, 1855 (Lepidoptera: Arctiidae). - Nachrichten des Entomologischen Vereins Apollo **13** (3a): 365-392, Frankfurt am Main.
- HAWORTH, A. H. (1812): XVII. A brief Account of some rare Insects announced at various times to the Society, as new to Britain. - Transactions of the Entomological Society of London **1**: 332-340, London.
- HEINRICH, R. (1923): Beitrag zur Makrolepidopterenfauna von Digne (Basses Alpes). - Dt. Ent. Z. **1923** (7): 1-124, Berlin.
- HEPPNER, J. B. & H. INOUE (eds) (1992): Lepidoptera of Taiwan. Vol. 1. Part 2: checklist: i-xlix, 1-276. Scientific Publishers Inc., Gainesville, Florida.
- HERRICH-SCHÄFFER, G. A. W. (1844/1847): Systematische Bearbeitung der Schmetterlinge von Europa als Text, Revision und Supplement zu J. HÜBNER's Sammlung europäischer Schmetterlinge **2**: 1-166, 2+1+15+10+4+31 Tab., Regensburg.
- [HEYLAERTS, F. J. M.] (1890a): Descriptions de quelques Hétérocères inédits des Indes orientales néerlandaises. In: Comptes-rendus des séances, Société Entomologique de Belgique. - Annales de la Société Entomologique de Belgique **34**: XVI-XVII, Bruxelles.
- HEYLAERTS, F. J. M. (1890b): Heterocera exotica nouveaux genre et espèces des Indes orientales néerlandaises (suite). - In: Comptes-rendus des séances, Société Entomologique de Belgique. - Annales de la Société Entomologique de Belgique **34**: XXVI-XXX, Bruxelles.
- HEYNE, A. (1899): Neue und wenig bekannte melanistische Formen europäischer Grossschmetterlinge. - Societas Entomologica **14** (13): 97-98, (14): 105-106, Stuttgart.
- HOEVEN, J. VAN DER. (1840): Beschrijving eniger nieuwe of weinig bekende uitlandsche soorten van Lepidoptera. - Tijdschrift voor Natuurlijke Geschiedenis en Physiologie **7**: 276-283, pl. 5-7, S. en J. Luchtmans, Leiden.
- HOLLAND, W. J. (1893): Descriptions of new species and genera of West African Lepidoptera. - Psyche **6**: 373-376, 393-400, Cambridge, Mass.
- HOLLAND, W. J. (1900): The Lepidoptera of Buru. - Novitates Zoologicae **7** (3): 555-591, London and Aylesbury.
- HOLLOWAY, J. D. (1976): Moths of Borneo with special reference to Mt. Kinabalu: 1-264. - Malayan Nature Society, Kuala Lumpur.
- HOLLOWAY, J. D. (1988): The Moths of Borneo 6 Family Arctiidae, subfamilies Syntominiinae, Euchromiinae, Arctiinae; Noctuidae misplaced in Arctiinae (Camptoloma, Aganainae): 1-101, figs 8-168, 19 pls+6 col. pls. - Malayan Nature Society, Kuala Lumpur.
- HUBER, K. & D. STENGEL (1989): Eine neue Subspezies von *Chelis maculosa* (GERNING, 1780) aus Griechenland (Lepidoptera, Arctiidae). - Atalanta **20** (1-4): 191-196, Farbtafel, Würzburg.
- HÜBNER, J. (1790): Beiträge zur Geschichte der Schmetterlinge **2**: 128+7 S., 12 Taf., Augsburg.
- HÜBNER, J. (1793): Sammlung auserlesener Vögel und Schmetterlinge: 6 pp., 100 Taf., Augsburg.
- HÜBNER, J. (1800-38): Sammlung europäischer Schmetterlinge. Lepidoptera III, Bombyces: 83 Taf., Augsburg.
- HÜBNER, J. ([1806]): Tentamen determinationis digestionis atque denominationis singularum stirpium lepidopterorum, peritis ad inspiciendum et dijudicandum: [2] pp., [Augsburg].
- HÜBNER, (1816-[1826]): Verzeichnis bekannter Schmetterlinge: 431 pp., Augsburg.

- [HUFNAGEL, J. S.] (1766): Dritte Tabelle von den Nachvögeln. - Berlinisches Magazin, oder gesammlete Schriften und Nachrichten für die Liebhaber der Arzneywissenschaft, Naturgeschichte und der angenehmen Wissenschaften überhaupt **2** (4): 391-437, Berlin.
- KOLLAR, V. & L. REDTENBACHER ([1844]): Aufzählung und Beschreibung der von Freiherrn CARL V. HÜGEL auf seiner Reise durch Kaschmir und das Himaleyagebirge gesammelten Insecten. In HÜGEL, C.F. VON, Kaschmir und das Reich der Siek **4** (2): 393-564, 582-585 pp., Taf. I-XXVIII, Stuttgart.
- HULSTAERT, G. (1923): XV. - On Lepidoptera from New Guinea, Kei, Tenimber, the Philippines, and Australia. - The Annals and Magazine of Natural History (series 9) **11**: 178-190, London.
- INOUE, H. (1976): Some new and unrecorded moths belonging to the Bombyces and Sphinges from Japan (Lepidoptera). - Bulletin of Faculty of Domestic Sciences, Otsuma Woman's University **12**: 153-196, Tokyo.
- INOUE, H. (1982): 68. Arctiidae. In INOUE, H., SUGI, S., KUROKO, H., MORIUTI, S. & Á. KAWABE, Moths of Japan **1**: 638-659; **2**: 74-79, 136-137, 334-342, pl. 154-162, 346-348. - Kodansha, Tokyo.
- INOUE, H. (1984): On geographic variation of *Areas galactina* (HOEVEN) (Lepidoptera: Arctiidae). - Chô Chô **7** (1): 2-10, Kitakyusyu.
- INOUE, H. (1988): Three new species and some synonymic notes on the Arctiidae from Japan, Taiwan and the Philippines. - Yô to Ga, Transactions of the Lepidopterological Society of Japan **39** (2): 99-118, Tokyo.
- INOUE, H. (1992 [1993]): A new species of the genus *Lemyra* WALKER from Taiwan (Lepidoptera, Arctiidae, Arctiinae). - Nachrichten des Entomologischn Vereins Apollo **13** (3a): 351-354, Frankfurt am Main.
- INOUE, H. & H. KOBAYASHI (1956): A systematic study of Japanese Arctiidae (1). - Tinea **3**: 136-141, pl. 17, Tokyo.
- INOUE, H. & T. MAENAMI (1963): The moths-fauna of Izu Shichito or Izu Islands (I). - Tinea **6**: 40-58, pl. 8, Tokyo.
- IVINSKIS, P. & A. SALDAITIS (2004): Some notes about *Acerbia alpina* with the description of a new subspecies, *A. alpina severa* (Lepidoptera, Arctiidae). - Atalanta **35** (1/2): 91-103, 160-166, Würzburg.
- JACOBSON, N. L. & S. J. WELLER (2002): A cladistic study of the Arctiidae (Lepidoptera) by using characters of immatures and adults. - Thomas Say publications in entomology: 1-98, Entomologica Society of America, Lanham, Maryland.
- JOANNIS, J. DE (1928): Lepidopteres Heteroceres du Tonkin. - Annales de la Société entomologique de France **97**: 241-368, pl. 1-2, Paris.
- JORDAN, K. (1939): On the constancy and variability of the differences between th Old World species of *Utetheisa* (Lepid.; Arctiidae). - Novitates Zoologicae **41**: 251-291, London and Aylesbury.
- JOURDHEUIL, M. (1866): Note sur le Aberration de la *Chelonia quinsellii* (Lépidoptère Chalinoptère). - Annales de la Société Entomologique de France (ser. 4) **6**: 127-128, pl. 2, Paris.
- KAISILA, J. (1947): Die Makrolepidopterenfauna des Aunus- Gebietes. - Acta Entomologica Fennica **1**: 1-112, Helsinki.
- KAISILA, J. (1959): Vanhimmat tiedot Suomen perhoslajistosta. - Annales Entomologici Fennici **25**: 80-102, Helsinki.
- KALEKA, A. S. (1999): Two new species of genus *Cladartia* KODA (Arctiidae: Arctiinae: Lepidoptera) from India. - Zoos' Print Journal **14** (8): 77-81, Coimcatore, Tamil Nadu, India.
- KALEKA, A. S. (2000): Three new species of the genus *Thanatarctia* BUTLER (Lepidoptera, Arctiidae) from India. - Poskie Pismo Entomologiszne **69** (3) 319-327, Wrocław.
- KALEKA, A. S. (2001): A new species of moth under genus *Lemyra* (Arctiinae: Arctiidae: Lepidoptera). - Journal of Bombay Natural History Society **98** (3): 422-424, Mumbai.
- KALEKA, A. S. (2005a): The *multiguttata* complex of the genus *Spilarctia* BUTLER (Arctiinae: Arctiidae: Lepidoptera) from India. - Entomon **30** (3): 207-220, University of Kerala, Kariavattom, Trivandrum, India.
- KALEKA, A. S. (2005b): A new combination under genus *Thanatarctia* for a moth species (Lepidoptera: Arctiidae). - Bionotes **7** (3): 93-94, Aligarh, U.P., India.
- KALEKA, A. S. & J. S. KIRTI (2001): A new genus *Mangina* along with the taxonomy of *Argina* HÜBNER (Arctiinae: Arctiidae: Lepidoptera). - Journal of Bombay Natural History Society **98** (2): 250-253, Mumbai.
- KALIS, J. P. A. (1934a): Über javanische Heteroceren II. - Entomologischen Rundschau **51** (5): 41-44, Stuttgart.
- KALIS, J. P. A. (1934b): Heterocera javanica III. - Entomologischen Rundschau **51** (10): 106-108, Stuttgart.
- KARDAKOFF, N. (1937): Lepidoptera [Entomologische Sammelergebnisse der Deutschen Hindukusch-Expedition 1935 der Deutschen Forschungsgemeinschaft. Fortsetzung [II Teil]]. - Arbeiten über morphologische und taxonomische Entomologie aus Berlin-Dahlem **4** (3): 191, Berlin.
- KAUTT, P. (1996): *Paelearctia hauensteini* sp.n., eine neue Bärenspinnerart aus Südtibet (Lepidoptera: Arctiidae). - Nachrichten des Entomologischen Vereins, Apollo N.F. **17** (1): 41-49, Farbtafel, Frankfurt am Main.
- KAUTT, P. & A. SALDAITIS (1997): Beschreibung einer neuen Art der Gattung *Carcinopyga* FELDER, 1874 (Lepidoptera: Arctiidae) und Anmerkungen zur Verbreitung und Bionomie der drei Arten der Gruppe. - Nachrichten des Entomologischen Vereins, Apollo N.F. **18** (2/3): 129-140, Frankfurt am Main.
- KEMAL, M. & A. O. KOÇAK (2006): Nomenclatural notes on the Palearctic Lepidoptera. - Centre for Entomological Studies Miscellaneous Papers **100**: 4-5, Ankara.
- KETTLEWELL, H. B. D. (1943a): A survey of the insect *Panaxia* (64) (*Callimorpha*) *dominula*, L. - Proceedings of the South London Entomological and Natural History Society **1942-43** (pt. 1): 1-49, pl. I-IV, IVa, London.
- KETTLEWELL, H. B. D. (1943b): Original descriptions of new forms of *Panaxia* (*Callimorpha*) *dominula*, L., and *Panaxia rossica*, KOLENATI. - Entomologist's Record & Journal of Variation **55**: 45-48, London.
- KIRBY, W. F. (1870): Lepidoptera. - Zoological Record **6**: 334-417, London.
- KIRBY, W. F. (1877): Lepidoptera. - Zoological Record **12**: 403-467, London.
- KIRBY, W. F. (1880): Lepidoptera. - Zoological Record **15** (1878): 158-234, London.
- KIRBY, W. F. (1892): A synonymic Catalogue of Lepidopteren Heterocera 1. Sphinges and Bombyces: I-XII, 11-951, London.
- KIRIAKOFF, S. G. (1950): Recherches sur les organes tympaniques des lépidoptères en rapport avec la classification. V. Position systématique de quelques genres des Arctiidae. - Lambillionea **50**: 62-73, Bruxelles.
- KIRTI, J. S. & A. S. KALEKA (1999): Reporting of a new species under genus *Cretonotos* HÜBNER (Arctiinae: Arctiidae: Lepidoptera) from India. - Entomon **24** (2): 135-141, University of Kerala, Kariavattom, Trivandrum, India.
- KIRTI, J. S. & A. S. KALEKA (2002): A new genus and two new species of Arctiinae, Arctiidae: Lepidoptera, from India. - Journal of

- the Bombay Natural History Society **99** (1): 79-85, Mumbai.
- KISHIDA, Y. (1983): Notes on some moths from Taiwan III. - Japan Heterocerists' Journal **123**: 361-362, Tokyo.
- KISHIDA, Y. (1984): Two new species of Arctiidae from Taiwan (Lepidoptera: Arctiidae). - Tinea **11** (23): 199-201, Tokyo.
- KISHIDA, Y. (1987): A new species of *Spilosoma* CURTIS, 1825 from Luzon I., the Philippines (Lep.: Arctiidae). - Gekkan-Mushi **191**: 19-20, Mushi-sha: Tokyo.
- KISHIDA, Y. (1992) Arctiidae. - HARUTA, T. (ed.), Moths of Nepal 1. - Tinea **13** (Suppl. 2): 72-75, pl. 17-18, Tokyo.
- KISHIDA, Y. (1994a): The *browni*-group of *Nyctemera* (Lepidoptera, Arctiidae) from the Philippines, with descriptions of three new species. - Tinea **14** (1) 13-19, Tokyo.
- KISHIDA, Y. (1994b): Arctiidae. - HARUTA, T. (ed.), Moths of Nepal 3. - Tinea **14** (Suppl. 1): 66-71, pl. 79, Tokyo.
- KISHIDA, Y. (1995): Arctiidae. - HARUTA, T. (ed.), Moths of Nepal 4. - Tinea **14** (Suppl. 2): 39-43, pl. 107-108, Tokyo.
- KISHIDA, Y. (1998): Arctiidae. - HARUTA, T. (ed.), Moths of Nepal 5. - Tinea **15** (Suppl. 1): 32-35, pl. 132, Tokyo.
- KISHIDA, Y. (2004a): Fascinated by the beauty of Tiger Moth (1). - Yadoriga **200**: 2-30, Tokyo.
- KISHIDA, Y. (2004b): Fascinated by the beauty of Tiger Moth (2). - Yadoriga **202**: 2-24, Tokyo.
- KISHIDA, Y. (2008): Fascinated by the beauty of Tiger Moth (3). - Yadoriga **217**: 53-58, Tokyo.
- KISHIDA, Y. & T. INOMATA (1981): Notes on Arctiidae from D.P.R. of Korea, with description of a new subspecies from Japan. - Japan Heterocerists' Journal **113**: 199-203, Tokyo.
- KISHIDA, Y. & M. KIMURA (2008): *Argina agrus* (KOLLAR) (Arctiidae), new to Japan from Okinawa Island, the Ryukyus. - Japan Heterocerists' Journal **247**: 402, Tokyo.
- KISHIDA, Y. & K. YAZAKI (1991): Notes on some moths from Taiwan X. - Japan Heterocerist's Journal **165**: 263-264, Tokyo.
- KOBES, L. W. R. (1990 [1991]): Ergebnisse einer Sammelreise auf der Balearen-Insel Ibiza (Pityusen, Spanien) im Oktober 1989 (Lepidoptera). - Nachrichten des Entomologischen Vereins Apollo N.F. **11** (4): 189-205, Frankfurt am Main.
- KOÇAK, A. O. (1980): Some notes on the nomenclature of Lepidoptera. - Communications de la Faculté des Sciences de l'Université d'Ankara Ser. C3, **24** (2): p. 7-25, Ankara.
- KÔDA, N. (1987): A Generic Classification of the Subfamily Arctiinae of the Palaearctic and Oriental Regions based on the Male and Female Genitalia (Lepidoptera, Arctiidae). Part I. - Tyô to Ga **38** (3): 153-237, Tokyo.
- KÔDA, N. (1988): A Generic Classification of the Subfamily Arctiinae of the Palaearctic and Oriental Regions based on the Male and Female Genitalia (Lepidoptera, Arctiidae). Part II. - Tyô to Ga **39** (1): 1-79, Tokyo.
- KÔDA, N. & Y. KISHIDA (1995): Systematic position of genus *Nikaeoides* MATSUMURA (Lepidoptera, Arctiidae). - Academia Humanities, Social Science (**62**): 179-183, Nansan University, Nagoya.
- KOLENATI, F. (1846): Lepidoptera. - Meletemata entomologica. V. Insecta Caucasi: 80-112, t. 18, Petropoli.
- KONOVALOVA, Z.A. [Коновалова, З.А.] (1968): К фауне бабочек (Heterocera) Курильских островов [To the fauna of moths (Heterocera) from Kuril Islands]. - Фауна и экология насекомых Дальнего Востока [Fauna and ecology of insects of the Far East]: 28-41, Vladivostok (in Russian).
- KOTZSCH, H. (1929): Neue Falter aus dem Richthofengebirge usw. - Ent. Z. **43** (16): 204-206, fig. 1-10, Frankfurt am Main.
- KOTZSCH, H. (1938-1939): Weitere Falterneuheiten aus meiner Hindukusch-Expedition 1936. - Ent. Rundsch. **55** (1): 9-10, Stuttgart.
- KOUTSAFTIKIS, A. (1973): Vergleichend-zoogeographische Untersuchung einiger Heterocerenfamilien der nordägäischen Inseln Thasos, Samothraki und Limnos. - Annales Musei Goulandris **1**: 185-238, pl. 31-32, Kifissia, Athens.
- KOZHANTSCHIKOV, W. [Кожанчиков, В.] (1924) Материалы к фауне чешуекрылых Минусинского Края. II [Materialen zur Macrolipidopteren Fauna des Minussinsk Bezirks. II]. - Ежегодник государственного музея им. Н.М.Мартыанова в г. Минусинске [Jahrbuch des Martjanov'schen Staatsmuseums in Minussinsk (Sibirien, Jenissey Gouv.)]. **2** (1): 66-75, Minussinsk (in Russian).
- KRULIKOVSKY, L. (Круликовский, Л.) (1904) Заметка о сборе чешуекрылых летом 1903 года в Уржумском уезде, Вятской губ. [Notice sur la chasse des Lépidoptères Durant l'été 1903 dans le district d'Ourjoum, gouv-t de Viatka]. - Русское энтомологическое обозрение [Russkoe Entomologicheskoe Obozrenie] **4** (1): 27-31, St.-Petersburg (in Russian).
- Krulikovsky, L. (Круликовский, Л.) (1909): Чешуекрылые Вятской губернии [Lepidoptera of the Vyatka Gouvernement]. - Материалы к познанию фауны и флоры Российской империи. Отдел зоологический [Materials to the knowledge of flora and fauna of the Russia empire. Department of zoology] **9**: 48-250, Moscow (in Russian).
- KURENTZOV, A. I. [Куренцов, А.И.] (1966): О зоогеографических особенностях фауны Камчатской области [About zoogeographical peculiarities of fauna of Kamchatka Region]. - Энтомофауна лесов Курильских островов, полуострова Камчатки, Магаданской области [Entomofauna of forests of Kuril Islands, Kamchatka Peninsula, Magadan Province]: 66-76, Nauka: Moscow-Leningrad (in Russian).
- LANG, H. G. (1789): Verzeichniss seiner Schmetterlinge, meistens in den Gegenden um Augsburg gesammelt, und nach dem Wiener systematischen Verzeichniss eingetheilt, mit den Linneischen, auch deutschen und französischen Namen, und Anführung derjenigen Werke, worin sie mit Farben abgebildet sind. Zweite, verbesserte und stark vermehrte Auflage: XXVIII+227 S., Augsburg.
- LATREILLE, P. A. (1809): Genera crustaceorum et insectorum secundum ordinem naturale in familias disposita, iconibus exemplisque, plurimis explicata. Tomus quartus et ultimus: 1-399, Amand Koenig, Parisiis et Argentorati.
- LEDERER, J. (1853a): II. Abtheilung „Die Heteroceren“. - Verhandl. zool.-bot. Vereins in Wien **2** (Abhandlungen): 65-126, Wien.
- LEDERER, J. (1853b): Lepidopterologisches aus Sibirien. - Verhandl. zool.-bot. Vereins in Wien **2**: 351-386, T. 1-7, Wien.
- LEDERER, J. (1855): Beitrag zur Schmetterlings-Fauna von Cypern, Beirut und einem Theile Klein-Asiens. - Verhandlungen des zoologisch-botanischen Vereins in Wien **5**: 177-254, T. 1-5, Wien.
- LEDERER, J. (1861): *Nemeophila Metelkana* n. sp. - Wiener Entomologische Monatschrift **5** (5): 162-163, T. 3, Wien.
- LEDERER, J. (1865): Excursion Lépidoptérologique en Anatolie. - Annales de la Société Entomologique de Belgique **9**: 49-81, t. 3, Bruxelles.
- LEECH, J. H. ([1889] 1888): On the Lepidoptera of Japan and Corea. - Part II. Heterocera, Sect. I. - Proceedings of the Scientific Meetings of the Zoological Society of London **1888**: 580-655, pl. 30-32, London.
- LEECH, J. H. (1890): New species of Lepidoptera from China. - The Entomologist **23** (321): 26-50, (322): 81-83, (323): 109-114, London.
- LEECH, J. H. (1899): Lepidoptera Heterocera from Northern China, Japan, and Corea. Part II. - The Transactions of the Entomological Society of London **1899**: 99-215, London.

- LEMPKE, B. J. (1937): Les races belgo-néerlandaises d'*Euprepia (Coscinia) cribraria* L. - *Lambillionea* **37** (7): 148-152, pl. 10, Bruxelles.
- LEMPKE, B. J. (1961): Catalogus des Nederlandse Macrolepidoptera (Achtste supplement). - *Tijdschrift voor Entomologie* **104** (8): 111-189, pls. 9-12, figs. 24-28, Amsterdam.
- LÉNEK, O. (1966): Österreichische Entomologische Iran-Afghanistan-Expeditionen. Beiträge zur Lepidopterenfauna, Teil 7. *Phragmatobia fuliginosa* L. ssp. nova *paghmani*. - *Zeitschrift der Wiener Entomologischen Gesellschaft* Jg. **51**, Bd. **77** (8): 105-106, Wien.
- LE PELETIER, A. L. M. & J. G. A. SERVILLE (1825); *Encyclopedie méthodique. Histoire Naturelle. Entomologie, ou histoire naturelle des crustacés, des arachnides et des insectes* **10** (Insectes): 838 pp., Agasse: Paris.
- LE RAUT, P. (1985): *Eucastana* nomen. nov. pour *Eucharia* au sens des auteurs (Lep. Arctiidae). - *Linneana Belgica* **10**: 43, Bruxelles.
- LE RAUT, P. (1993): Description préliminaire d'un nouveau genre d'Arctiidae (Lep.). - *Entomologica Gallica* **4** (4) 136, Paris.
- LINNAEUS, C. (1758): *Systema Naturae per Regna Tria Naturae, Secundum Classes, Ordines, Genera, Species, cum characteribus, differentiis, synonymis, locis. Editio Decima, Reformata* **1**: 1-824, Holmiae.
- LINNAEUS, C. (1761): *Fauna Suecica, Sistens Animalia Sueciae Regni: Mammalia, Aves, Amphibia, Pisces, Insecta, Vermes, Distributa per Classes et Ordines, Genera & Species, cum Differentiis Specierum, Synonymis Auctorum, Nominibus Incolarum, Locis Natalium, Descriptionibus Insectorum, Editio Altera, Auctior: [49]+578 p., 2 tab., Stockholmiae.*
- LINNAEUS (LINNÉ), C. (1763): *Centuria Insectorum Rariorum*: 1-32, Upsaliae.
- LINNAEUS (LINNÉ), C. (1763): *Amoenitates Academicæ* **6**: 384-415, Holmiae et Lipsiae.
- LINNAEUS (LINNÉ), C. (1767): *Systema Naturae, etc. Ed. 12. 1* (2): 533-1327, Holmiae.
- LINNAEUS (LINNÉ), C. (1768): *Iter in Chinam*: 1-16, Upsaliae.
- MARSHAM, T. (1791): Observations on the *Phalaena Bombyx Lubricipeda* of LINNEUS, and some other Moths allied to it. - *The Transactions of the Linnean Society of London* **1**: 67-75, tab. 1, London.
- MARTEN, W. (1948): Las razas de *Erebia epistygne* HBN. en España y Francia meridional. - *Trabajos del Museo Nacional de Ciencias Naturales de Barcelona (Nueva Serie Zoológica)* **1** (no 2): 15-19, Barcelona.
- MARTEN, W. (1957): *Coscinia benderi*, eine neue Arctiide aus Andalusien (Lep. Arctiidae). - *Entomologische Zeitschrift* **67**: 89-91, Frankfurt am Main.
- MATSUMURA, S. (1911): Thousand insects of Japan. Supplement **3**: 1-147, pl. 30-41, Teiseisha: Tokyo (in Japanese).
- MATSUMURA, S. (1927a): New species and subspecies of moths from the Japanese Empire. - *Journal of the College of Agriculture, Hokkaido Imperial University* **19**: 1-91, pl. 1-5, Sapporo.
- MATSUMURA, S. (1927b): A list of moths collected on Mt. Daisetsu, with the descriptions of new species. - *Insecta Matsumurana* **1**: 109-119, Sapporo.
- MATSUMURA, S. (1929): New moths from Kuriles. - *Insecta Matsumurana* **3** (4): 165-168, Sapporo.
- MATSUMURA, S. (1930a): New species and forms of Arctiidae from Japan. - *Insecta Matsumurana* **5** (1-2): 31-40, pl. 1, Sapporo.
- MATSUMURA, S. (1930b): A catalogue of the Arctiidae of the Japanese Empire. - *Insecta Matsumurana* **5**: 58-94, pl. 1, Sapporo.
- MATSUMURA, S. (1931): 6000 illustrated insects of Japan-Empire: 1497+191 p., Tokyo (in Japanese).
- Mautz, W. (1933): Beitrag zur Nomenklatur europäischer *Rhyp. purpurata* L. - Formen und Aufstellung einer neuen Rasse, subsp. *calluna* n. subsp. m. - *Internationale Entomologische Zeitschrift* **27** (5): 49-55, 1 pl., Guben.
- MEIGEN, J. W. (1832): Systematische Beschreibung der Europäischen Schmetterlinge; mit Abbildungen auf Steintafeln **3**: 1-276, XLV Steintaf., Verlag von J. U. Maner, Aachen und Leipzig.
- MELL, R. (1922): Neue südchinesische Lepidoptera. - *Deutsche Entomologische Zeitschrift* **1922** (4): 113-129, Berlin.
- MELL, R. (1935): Noch unbeschriebene chinesische Lepidopteren. IV. - *Mitt. Dt. Ent. Ges.* **6** (3/4): 36-38, Berlin.
- MÉNÉTRIÈS, E. (1832): Catalogue raisonné des objets de zoologie recueillis dans un voyage au Caucase et jusqu'aux frontières actuelles de la Perse entrepris par ordre de S. M. L'Empereur: 1-271, St.-Petersbourg.
- MÉNÉTRIÈS, E. (1842): Sur un nouveau genre de lépidoptère nocturne de la Russie. - *Bulletin de la classe physico-mathématique de l'Académie Impériale des Sciences de St.-Petersbourg* **9** (195): 40-43, St.-Petersbourg.
- MÉNÉTRIÈS, E. (1857): Enumeratio corporum animalium Musei Imperialis Academiæ Scientiarum Petropolitanae. Classis Insectorum. Ordo Lepidopterorum **2**: vi+67-112+[2]+99-144+[2] pp., pls. 7-14, Petropoli, Lipsiae.
- MÉNÉTRIÈS, E. ([26 août 1858] 1859): 11. Lépidoptères de la Sibérie orientale et en particulier des rives de l'Amour; par M. MÉNÉTRIÈS. (Lu le 11 juin 1858). - *Bulletin de la classe physico-mathématique de l'Académie Impériale des Sciences de St.-Petersbourg* **17** (14): 212-221, St.-Petersbourg.
- MÉNÉTRIÈS, E. (4 avril 1859): 32. Sur quelques Lépidoptères du gouvernement de Iakoutsk, par M. MÉNÉTRIÈS. (Lu le 18 mars 1859.). - *Bulletin de la classe physico-mathématique de l'Académie Impériale des Sciences de St.-Petersbourg* **17** (32): 494-500, St.-Petersbourg.
- MÉNÉTRIÈS, E. (1863): Descriptions de nouvelles espèces de lépidoptères de la collection de l'Académie Impériale des Sciences. III-ème et dernière partie. - In MÉNÉTRIÈS, E., *Enumeratio corporum animalium Musei Imperialis Academiæ Scientiarum Petropolitanae. Classis Insectorum. Ordo Lepidopterorum* **3**: 145-161, t. 15-18, St.-Petersbourg.
- MEYRICK, E. (1912): A revision of the classification of New Zealand Caradrinina. - *Transactions and Proceedings of the New Zealand Institute* **44**: 88-107, Wellington.
- MIKKOLA, K. & M. R. HONEY (1993): The Noctuoidea (Lepidoptera) described by LINNAEUS. - *Zoological Journal of the Linnean Society* **108**: 103-169, London.
- MIYAKE, T. (1907): A list of a collection of Lepidoptera from Formosa. - *Annotations Zoologicae Japonensis* **6** (2): 53-82, Tokyo.
- MIYAKE, T. (1909): A revision of the Arctiidae of Japan. - *Bull. Coll. Agric., Tokyo Imperial University* **8** (2): 153-174, Tokyo.
- MIYAKE, T. (1910): Some notes on the Arctiidae of Japan. - *J. Coll. Agric., Imperial University of Tokyo* **2**: 207-212, Tokyo.
- MOORE, F. (1859 [1860]): In HORSFIELD, T. & F. A. MOORE, *Catalogue of the lepidopterous Insects in the Museum of Natural History at the East-India House* **2**: 440+6+7 pp., pl. 13-22, 7a-13a, London.
- MOORE, F. (1865 [1866]): On the lepidopterous insects of Bengal. - *Proceedings of the Scientific Meetings of the Zoological Society of London* **1865**: 755-823, pl. XLI-XLIII, London.
- MOORE, F. (1867): On the lepidopterous insects of Bengal. - *Proceedings of the Scientific Meetings of the Zoological Society of*

- London **1867**: 612-686, pl. XXXII-XXXIII, London.
- MOORE, F. (1872): Descriptions of new Indian Lepidoptera. - Proceedings of the Scientific Meetings of the Zoological Society of London **1872**: 555-583, t. XXXII-XXXIV, London.
- MOORE, F. (1877a): New species of heterocerous Lepidoptera of the tribe Bombyces, collected by Mr. W. B. PRYER, chiefly in the district of Shanghai. - The Annals and Magazine of Natural History (series 4) **20**: 83-94, London.
- MOORE, F. (1877b): XLV. - Descriptions of Ceylon Lepidoptera. - Ann. Mag. Nat. Hist. (series 4) **20**: 339-348, London.
- MOORE, F. (1877c): The lepidopterous fauna of the Andaman and Nicobar Islands. - Proceedings of the Scientific Meetings of the Zoological Society of London **1877**: 580-632, pl. LVIII-LX, London.
- MOORE, F. (1878a): XXVIII. - Descriptions of new species of Lepidoptera collected by the late Dr. F. STOLICZKA during the Indian-Government Mission to Yarkund in 1873. - The Annals and Magazine of Natural History (series 5) **1**: 227-237, London.
- MOORE, F. (1878b): A revision of certain genera of European and Asiatic Lithosiidæ, with characters of new Genera and Species. - Proceedings of the Scientific Meetings of the Zoological Society of London **1878**: 3-37, pl. I-III, London.
- MOORE, F. (1878c): A list of the Lepidopterous Insects collected by Mr. OSSIAN LIMBORG in Upper Tenasserim, with descriptions of new species. - Proceedings of the Scientific Meetings of the zoological Society of London **1878**: 821-859, London.
- MOORE, F. (1879a): Descriptions of new genera and species of Asiatic Lepidoptera Heterocera. - Proceedings of the Scientific Meetings of the Zoological Society of London **1879**: 387-417, pl. XXXII-XXXIV, London.
- MOORE, F. (1879b): Heterocera (Sphingidae-Hepialidae). - P. 5-291, pl. 2-8. In HEWITSON, W. C. & F. MOORE, Descriptions of New Indian Lepidopterous Insects from the Collection of the Late Mr. W. S. ATKINSON, M.A., F.L.S., &c., Director of Public Instruction, Bengal. - 291 p., 8 pl., Taylor & Francis: London.
- MOORE, F. (1882-1883): The Lepidoptera of Ceylon **2**: viii+162 pp., pl. 72-143, London.
- MOORE, F. (1883): Descriptions of new genera and species of Asiatic Lepidoptera Heterocera. - Proceedings of the Scientific Meetings of the Zoological Society of London **1883**: 15-30, pl. V-VI, London.
- MOORE, F. (1884): XVII. Descriptions of new species of Indian Lepidoptera-Heterocera. - The Transactions of the Entomological Society of London 1884: 355-376, London.
- MOORE, F. (1888): Descriptions of new genera and species of Lepidoptera, Heterocera, collected by Rev. H. J. HOCKING, chiefly in the Kangra district, N. W. Himalaya. - Proceedings of the Scientific Meetings of the Zoological Society of London **1888**: 390-412, London.
- MOTSCHULSKY, V. (1860 [1861]): Insecta du Japon. - Etudes Entomologiques, rédigées par VICTOR DE MOTSCHULSKY **9**: 4-39, Helsingfors.
- MURZIN, V. S. (Мурзин, В.С.) (2003): Tiger Moths of the former Soviet Union (Insecta: Lepidoptera: Arctiidae): 1-243 pp., Penef, Sofia-Moscow.
- NAKAMURA, M. (1976): Notes on the geographical variations of *Cretonotos transiens* WALKER with descriptions of new species and two new subspecies (Lepidoptera: Arctiidae). - Tyô to Ga. Transactions of the Lepidopterological Society of Japan **27** (3): 111-117.
- NAM, SANG-HO (1985): A synonymic list of Arctiinae moths in Korea (Arctiidae: Lep.). - Insecta Koreana **5**: 119-135, Seoul.
- NARDELLI, U. & B. GIANDOLFO (1996): Anmerkungen uber die siziliansche Population von *Callimorpha dominula* L. mit Beschreibung einer neuen Untrart (Lepidoptera: Arctiidae) [Observations on the population of *Callimorpha dominula* L. from Sicily, with description of a new subspecies (Lepidoptera: Arctiidae)]. - Nachr. Ent. Ver. Apollo N.F. **17** (3): 283-299, Frankfurt am Main.
- NARGIS VIQAR, S. (2004 [2005]): Biodiversity and morpho-taxonomic studies of the family Arctiidae (Lepidoptera) from Pakistan with cladistic analysis. PhD thesis: 471 pp., University of Karachi, Karachi.
- NAVÁS, L. (1927): Insectos nuevos de la península ibérica. - Boletín de la Sociedad Entomológica de España **10**: 78-84, Zaragoza.
- NIEPELT, W. (1905): Eine neue *Caja*-Form: *Arctia caja* L. var. *phantasma*. - Insekten-Börse. Beilage zur Entomologischen Rundschau **22** (30): 120, Stuttgart.
- NIEPELT, W. (1911): Neue paläarktische Macrolepidopteren. - Internationale Entomologische Zeitschrift **5** (38): 274-275, Guben.
- NIEUWENHUIS, E. J. (1948): Lepidoptera van den Banggai-Archipel. II. - Tijdschrift voor Entomologie **89**: 139-148, pl. 2, Amsterdam.
- NITSCHKE, J. (1926): Lepidopterologische Sammelergebnisse aus den Dolomiten vom Sommer 1924. - Verhandlungen der Zoologisch-Botanischen Gesellschaft **74/75**: (62)-(65), Wien.
- OBERTHÜR, CH. (1879): Diagnoses d'espèces nouvelles de Lépidoptères de l'île Askold: 1-16, Rennes.
- OBERTHÜR, CH. (Octobre 1880 [1881]): Faune des Lépidoptères de l'île Askold. Première partie. - Études d'Entomologie **5**: IX-X, 11-88, pl. 1-9, Rennes.
- OBERTHÜR, CH. (1883): [Lépidoptères du Tibet]. - Bulletin de la Société Entomologique de France (series 6) **3**: XLIII, Paris.
- OBERTHÜR, CH. (1886): Nouveaux Lépidoptères du Thibet. - Études d'Entomologie **11**: 13-38, 7 pl., Rennes.
- OBERTHÜR, CH. (1892): Lépidoptères du Pérou et du Thibet. - Études d'Entomologie **16**: 1-9, pl. 1-2, Rennes.
- OBERTHÜR, CH. (1894): Lépidoptères d'Europe, d'Algérie, d'Asie et d'Océanie. - Études d'Entomologie **19**: 10+41 p., 8 pl., Rennes.
- OBERTHÜR, CH. (1896): De la variation chez les Lépidoptères. - Études d'Entomologie **20**: 20+74 p., 24 t., Rennes.
- OBERTHÜR, CH. (1903): Description de nouvelles espèces de Lépidoptères envoyées par les missionnaires de Thibet. In LAUNAY, A., Histoire de la Mission du Thibet. **2**: 411-413, 1 t. Desclée, De Brouwer et Cie: Lille-Paris.
- OBERTHÜR, CH. (1907): Description d deux espèces nouvelles de Lépidoptères algériens. - Bulletin de la Société Entomologique de France 1907: 329-331, Paris.
- OBERTHÜR, CH. (1910): [No name]. - Études de Lépidoptérologie comparée **4**: 678, t. 53.
- OBERTHÜR, CH. (1911a): Notes pour servir à établir la Faune Française et Algérienne des Lépidoptères (Suite). Heterocera. II. - Chelonides (Arctiidae). - Études de Lépidoptérologie comparée **5** (1): 11- 182, pl. 66, 71, 80-82, Rennes.
- OBERTHÜR, CH. (1911b): [no name]. - Études de Lépidoptérologie comparée **5** (1): 323, 335-337, pl. 66, 82-83, Rennes.
- OBERTHÜR, CH. (1912): [no name]. - Études de Lépidoptérologie comparée **6**: 322-324, pl. 116, 119-120, Rennes.
- OBERTHÜR, CH. (1913): [no name]. - Études de Lépidoptérologie comparée **7**: 671, pl. 190, Rennes.
- OBERTHÜR, CH. (1916): [no name]. - Études de Lépidoptérologie comparée **11** (planches): 19, t. 325, Rennes.
- OBERTHÜR, CH. (1917): Faune de Lépidoptères de Barbariae (Partie III). - Études de Lépidoptérologie comparée **13**: 47 p., pl. 164-186, Rennes.
- OBRAZTSOV, N. S. (1936): Zur Lepidopterenfauna des südlichen Transdneprgebietes. - Festschrift zum 60. Geburtstag von Prof. EMBRIK STRAND **2**: 229-242, Riga.
- OCHSENHEIMER, F. (1810): Die Schmetterlinge von Europa **3**: 360+8 SS., Leipzig.

- OKAMOTO, H. (1924): The insect fauna of Quelpart Island (Saishiu-to). - Bulletin of the Agricultural Experimental Station, Government-General of Chosen **1**: 47-233, 4 tt., 1 ch., Suigen, Korea.
- OKANO, M. (1960): New or little known moths from Formosa (4). - Report of the Gakugei Faculty of the Iwate University **16** (2): 9-20, 16 fig., 2 pl., Morioka.
- ORHANT, G. (1986): Deuxieme contribution a l'etude des lépidoptères heteroceres du sud-est Asiatique (1.) Le complexe d'espèces '*ricini* FABRICIUS' (Arctiidae: Arctiinae). - Bulletin de la Société Sciences Naturelles de France **50**: 9-22, Paris.
- ORHANT, G. (1999): *Alphaea habibiei* n. sp., espèce confondue (Lepidoptera Arctiidae). - Bulletin de la Société Entomologique de Mulhouse **1999**: 61-63, Mulhouse.
- ORHANT, G. (2000): Un nouvel *Olepa* de l'Inde (Lepidoptera, Arctiidae, Arctiinae). - Lambillionea **100** (2): 269-270, Bruxelles.
- OSTHELDER, L. (1933): Die Schmetterlinge Sübayerns und der angrenzenden nördlichen Kalkalpen. - I. Teil. Die Großschmetterlinge. - 5. Heft. Nolidae bis Hepialidae. - Mitteilungen der Münchener Entomologischen Gesellschaft Beilage zum **22** Jahrgang: 539-598, Taf. 21, München.
- PACKARD, A. S. (1864): Synopsis of the Bombycidae of the United States. - Proceedings of the Entomological Society of Philadelphia **3**: 97-130, Philadelphia, Pa.
- PAGENSTECHE, A. (1885): Beiträge zur Lepidopteren-Fauna des malayischen Archipels. (II). - Jahrbücher des Nassauischen Vereins für Naturkunde **38**: 1-71, Taf. I-II, Wiesbaden.
- PAGENSTECHE, A. (1901): Über die Gattung *Nyctemera* HÜBN. und ihre Verwandten. - Jahrbücher des Nassauischen Vereins für Naturkunde **54**: 91-175, Taf. II, Wiesbaden.
- PAYKULL, G. (1793): X. Beskrivelse over 5 Arter nye Nat-Sommerfulge. - Skrifter of Naturhistorie Selskabet i Kjøbenhavn **2**: 97-102, t. 2, Kjøbenhavn.
- PETSCHKE, R. (1934): Neubeschreibungen und Ergänzungen der palaearktischen Lepidopterenfauna I. - Internationale Entomologische Zeitschrift **28**: 430-432, Guben.
- PHILIPPS, F. (1912): Einige interessante Aberrationen und Hermaphroditen meiner Sammlung. - Deutsche Entomologische Zeitschrift *Iris* **26**: 230-231, T. VII, Dresden.
- PINKER, R. & J. J. BACALLADO (1979): Neue Heteroceren-Rassen aus Gomera und Fuerteventura (VIII. Beitrag). - Zeitschrift der Arbeitsgemeinschaft Österreichischer Entomologen **30** (3/4): 85-86, Wien.
- PLÖTZ, C. (1880): Verzeichniss der von Professor Dr. R. BUCHHOLZ in West-Africa gesammelten Schmetterlinge. - Stettin. Ent. Z. **41**: 76-88, Stettin.
- PLUSTSCH, I. G. & W. G. DOLIN (2000): Über die Verbreitung und Veränderlichkeit *Palaearctia erschoffi* (ALPHERAKY), 1882 (Lepidoptera: Arctiidae). - Lambillionea **100** (3): 433-437, Bruxelles.
- PODA, N. (1761): Insecta Musei graecensis, quae in ordines, genera et species juxta Systema Naturae CAROLI LINNAEI digessit NICOLAUS PODA, e Societate Jesu, Philosophiae Doctor et Matheseos Professor: 18+127 p., 2 tab., Widmanstadii, Graecii.
- POULTON, E. B. (1916): 5. On a collection of moths made in Somaliland by Mr. W. FEATHER. By Professor E. B. POULTON, M. A., F. R. S., F. Z. S. With descriptions of new species, by Sir G. F. HAMPSON, Bart., L. B. PROUT, J. H. DURANT, and Dr. Karl JORDAN. - Proc. of the general meetings for scientific business of the Zool. Soc. London **1916**: 91-183, pl. 1, 2, London.
- PROUT, L. B. (1918): XXXVI. - New moths in the JOICEY collection. - Ann. Mag. Nat. Hist. (series 9) **1**: 312-318, London.
- PRZYBYLOWICZ, L. & K.-T. PARK (2001): Two new records and three rare species of Korean Arctiidae (Lepidoptera). - Insecta Koreana **18** (3): 211-217, Seoul.
- PÜNGELER, R. (1898): Diagnosen neuer Lepidopteren aus Centralasien. - Societas Entomologica **13** (8): 57-58, Stuttgart.
- PÜNGELER, R. (1901): Neue Macrolepidopteren aus Centralasien. - Deutsche Entomologische Zeitschrift *Iris* **14**: 171-191, T. 1-3, Dresden.
- PÜNGELER, R. (1904): Neue Macrolepidopteren aus Centralasien. - Societas Entomologica **19** (16): 121-122, (17): 129-131, Stuttgart.
- PÜNGELER, R. (1906): Neue palaearktische Macrolepidopteren. - Deutsche Entomologische Zeitschrift *Iris* **19**: 78-98, t. 6, Dresden.
- PÜNGELER, R. (1907): *Euprepia libyssa* n. sp. - Societas Entomologica **22** (4): 25-26, Stuttgart.
- RAMBUR, M. P. (1832): Catalogue des Lépidoptères de l'île de Corse, avec la description et la figure des espèces inédites (I). - Annales de la Société Entomologique de France (series 1) **1**: 245-295, pl. 7-9, Paris.
- RAMBUR, M. (1836): Notice sur plusieurs lépidoptères du midi de l'Espagne, parmi lesquels se trouve le papillon *eupheme* d'ESPER. - Annales de la Société Entomologique de France (series 1) **5**: 573-588, pl. 17, Paris.
- RAMBUR, P. (1866): Catalogue systématique des lépidoptères de l'Andalousie (2): 93-412, Pl. XI-XXII, J. B. Baillière, Paris.
- REBEL, H. (1903): Studien über die Lepidopterenfauna der Balkanländer. I. Teil. Bulgarien und Ostrumelien. - Annalen des kaiserlich-königlichen Naturhistorischen Hofmuseums **18**: 123-347, T. 3, Wien.
- REGO BARROS, A. R. DO (1956): 40 - Fauna do Distrito Federal. Sobre Pareuchaetes Grote, 1865, com descrição de species novas. - Revista Brasileira de Entomologia **6**: 65-89, São Paulo.
- REHBERG, H. ([1879] 1880): Systematisches Verzeichnis der um Bremen gefangenen Gross-Schmetterlinge. - Abhandlungen herausgegeben vom Naturwissenschaftlichen Vereine zu Bremen **6**: 455-488, Bremen.
- REICH, P. (1932): Neue Arctiiden. - Internationale Entomologische Zeitschrift **26** (22): 233-238, t. 1-2, Guben.
- REICH, P. (1933a): Eine neue Callimorphine (Subspecies) der holländischen Karakorum-Expedition 1929-1930. - Internationale Entomologische Zeitschrift **27** (12): 133, Guben.
- REICH, P. (1933b): Eine neue Arctiide (Micrarctiinae) der holländischen Karakorum-Expedition 1929-1930. - Int. Ent. Z. **27** (28): 312, Guben.
- REICH, P. (1935): *Callimorpha dominula* L. (Lepidopt. Callimorphinae). - Entomologischen Rundschau **53** (1): 8-10, Stuttgart.
- REICH, P. (1937): Die Arctiidae der Chinnausbeute des Herrn HERMANN HÖNE in Shanghai. - Dt. Ent. Z. *Iris* **51**: 113-130, Dresden.
- Rekelj, J & ČESANEK, M. (2009): *Dodia maja* sp. n., a new tiger moth from the Magadan territory, Russia (Lepidoptera, Arctiidae). - Acta Zoologica Academiae Scientiarum Hungaricae **55** (3): 275-282, Budapest.
- RETZIUS, A. I. (1783): Genera et Species Insectorum e generosissimi auctoris scriptis extraxit, digessit, latine quoad partem reddidit, et terminologiam insectorum Linneanam addidit: 1-220, Lipsiae.
- RÖBER, J. (1925): Neue Falter (Lepid.). - Stettiner Entomologische Zeitung **86** (1-2): 167-175, Stettin.
- RÖBER, J. (1930): Neue Falter. - Entomologische Zeitschrift **44** (1): 19-21, Frankfurt am Main.

- ROEPKE, W. (1937): Ueber indo-malaysische Nachfalter (Lep. Heteroc.). I, II, III. - Ent. Z. **50**: 480-492; 51: 133-136, 193-196, Frankfurt/Main.
- ROEPKE, W. (1938a): Ueber Indomalayische Nachfalter (Lep. Heteroc.). IV. - Entomologische Zeitschrift **52**: 51-54, Frankfurt am Main.
- ROEPKE, W. (1938b): Ueber Indomalayische Nachfalter (Lep. Heteroc.). V. - Entomologische Zeitschrift **52**: 157-160, Frankfurt am Main.
- ROEPKE, W. (1940): Ueber Indo-malaysische Nachfalter (Lep. Heteroc.). VI. - Entomologische Zeitschrift **54**: 25-28, Frankfurt am Main.
- ROEPKE, W. (1941): On the Javanese species of the genus *Uiethesia* Hb. (Lep. Het., fam. Arctiidae). - Tijdschrift voor Entomologie **84**: 1-9, 4 figs., Amsterdam.
- ROEPKE, W. (1948 [1949a]): Lepidoptera Heterocera from the summit of Mt. Tanggamus, 2100 m., in Southern Sumatra. - Tijdschrift voor entomologie **89**: 209-232, 2 pls., 8 figs., Amsterdam.
- ROEPKE, W. (1949b): The genus *Nyctemera* HUEBNER I. - Trans. Roy. Ent. Soc. London **100** (2): 47-70, pl. 1-2, London.
- ROEPKE, W. (1954a): Some new or little known Lepidoptera from Indonesia and New Guinea. I. - Tijdschr. Ent. **97**: 257-262, 1 pl., Amsterdam.
- ROEPKE, W. (1954b): The species of the genus *Spilosoma* STEPH. in Java (Lep., Arctiidae). - Idea **10** (1-2): 16-20, Bogor.
- ROEPKE, W. (1957): The genus *Nyctemera* HUEBNER II. - Tijdschrift voor Entomologie **100**: 147-178, pl. 8-9, 12 fig., Amsterdam.
- ROESLER, U. (1968): *Panaxia quadripunctaria* ssp. *ingridae* ssp. nov. (Lepidoptera, Arctiidae). - Ent. Z. t **78** (24): 280-284, Stuttgart.
- ROMANOFF, N. M. (1884): Les Lépidoptères de la Transcaucasie. Première partie. - Mémoires sur les lépidoptères, ed. N. M. ROMANOFF **1**: 1-92, pl. 1-5, M.M. Stassulëwitsch: St.-Petersbourg.
- ROSSIUS, P. (1790): Fauna Etrusca sistens insecta quae in provinciis florentina et pisana praesertim collegit PETRUS ROSSIUS **2**: 1-348, 10 t., Liburni.
- ROTHSCHILD, W. (1910): Catalogue of the Arctianae in the Tring museum, with notes and descriptions of new species. - Novitates Zoologicae **17** (1): 1-85, (2): 113-188, pl. XI-XIV, 18: pl. III-VI, London and Aylesbury.
- ROTHSCHILD, W. (1914): Arctiidae, subfamilie Arctiinae. In SEITZ, A., Die Gross-Schmetterlinge der Erde. **10**: 236-263, Taf. 13, 19-30, Alfred Kernen: Stuttgart.
- ROTHSCHILD, W. (1915): On Lepidoptera from the islands of Ceram (Seran), Buru, Bali, and Misol. - Novitates Zoologicae **22** (2): 209-227, London and Aylesbury.
- ROTHSCHILD, W. (1919): XLIX. - Descriptions of a new genus and two new species of Heterocera. - The Annals and Magazine of Natural History (series 9) **3**: 487-488, London.
- ROTHSCHILD, W. (1920): VII. Heterocera. Collected in Korinchi, West Sumatra, by Messrs. H. C. ROBINSON and C. BODEN KLOSS. - Journal of the Federated Malay States Museum **8** (3): 107-139, Kuala Lumpur.
- ROTHSCHILD, W. (1933): XXI. New species and subspecies of Arctiinae. - Ann. Mag. Nat. Hist. (series 10) **11**: 167-194, London.
- ROTHSCHILD, W. (1935): Some new Arctiinae. - Novitates Zoologicae **39**: 239-250, London and Aylesbury.
- SAGARRA, I., DE (1924): Una nova espècie del Gènere *Coscinia* Hb. (Lep. Het.). - Bull. Inst. Cat. Hist. Nat. (2a Ser.) **4**(9): 195-197, Barcelona.
- SALDAITIS, A. & P. IVINSKIS (2001): Some notes on the Palearctic species of the genus *Grammia* RAMBUR, 1866 (Lepidoptera, Arctiidae) with the description of a new species, *Grammia zamolodchikovi*, sp. n. - Helios **2**: 131-141, pl. 13, Moscow.
- SALDAITIS, A. & P. IVINSKIS (2002): Some notes about species of the genus *Palaearctia* FERGUSSON, 1984. - Atalanta **33** (1/2): 157-172, 232-235, Würzburg.
- SALDAITIS, A. & P. IVINSKIS (2004): Some notes about *Acerbia alpina* with the description of a new subspecies, *A. alpina severa* (Lepidoptera, Arctiidae). - Atalanta **35** (1/2): 91-103, col. Pls. V-VIII (p.160-167), Würzburg.
- SALDAITIS, A. & P. IVINSKIS (2005): Description of *Holoarctia dubatolovi* sp. n. (Lepidoptera, Arctiidae). - Acta Zoologica Lituanica **15** (1): 64-67, Vilnius.
- SALDAITIS, A., IVINSKIS, P. & S. CHURKIN (2000): *Palaearctia rasa* spec. nov., a new tiger moth from China (Lepidoptera, Arctiidae). - Atalanta **31** (3/4): 505-510, Würzburg.
- SALDAITIS, A., IVINSKIS, P. & T. WITT (2003): A new species, *Acerbia churkini* sp. n. (Lepidoptera, Arctiidae) from Kirghizia. - Helios **4**: 291-300, pl. XI, Moscow.
- SALDAITIS, A., IVINSKIS, P. & T. WITT (2004): *Acerbia cornuta* spec. nov. and *Acerbia seitzii micropuncta* subsp. nov. from Central Asia (Lepidoptera, Arctiidae). - Atalanta **35** (3/4): 415-425, 488-491, Würzburg.
- SALDAITIS, A., IVINSKIS, P. & T. WITT (2008): *Alphaea dellabrunai* sp. n. (Lepidoptera, Arctiidae) from China. - Acta Zoologica Lituanica **18** (3): 166-168, Vilnius.
- SCHALLER, J. G. (1788): Beiträge zur Geschichte exotischer Papiliones. - Der Naturforscher **23**: 49-53, Halle.
- SCHAPOSCHNIKOV, CHR. G. (Шапошников, Х.Г.) (1904): Заметки о Macrolepidoptera центральной части северо-западного Кавказа [Notes sur les Macrolépidoptères de la partie centrale Caucase septentrional-occidental]. - Ежегодник Зоологического Музея Императорской академии наук [Annuaire du Musée Zoologique de l'Académie Impériale des Sciences de St.-Petersbourg] **9**: 189-259, St.-Petersburg (in Russian).
- SCHAWERDA, K. (1910): [Zwei Arctiidenformen aus Bosnien und der Hrzegowina]. - Verhandlungen der kaiserlich-königlichen zoologisch-botanischen Gesellschaft in Wien **60**: (90)-(93), Wien.
- SCHAWERDA, K. (1922): Ussuriensis. - Zeitschrift des Österreichischen Entomologen-Vereins **7**: 10-11, Wien.
- SCHAWERDA, K. (1934): Miscellanea lepidopterologica. Neubesreibungen und Berichtigungen. - Internationale Entomologische Zeitschrift **28** (33): 413-418, (34): 425-429, 1 pl., Guben.
- SCHØYEN, W. M. (1880): Oversigt over de i Norges arktiske region hidtil fundne Lepidoptera. - Archiv for Mathematik og Naturvidenskab **5**: 119-228, 1 tab.
- SCHRANK, F. v. P. (1802): Fauna Boica. Durchgedachte Geschichte der in Baiern einheimischen und zahmen Thiere **2** (1): VIII+274 S., W. Krüll, Ingolstadt.
- SCHULTZ, O. (1902): Eine neue Varietät von *Arctia maculosa* GERNING. - Deutsche Entomologische Zeitschrift Iris **15**: 328-329, Dresden.
- SCHULTZ, O. (1905): Ueber die Variabilität von *Pericallia matronula* L. - Entomologische Zeitschrift **18** (31): 206-214, Guben.
- SCHULTZE, W. (1908): New and little-known Lepidoptera of the Philippines. - The Philippine Journal of Science (A) **3**: 27-37, pl. 1, Manila.
- SCHULTZE, W. (1910): Contributions to the lepidopterous fauna of the Philippines. - The Philippine Journal of Science (D) **5**: 161-181, pl. 1, Manila.
- SCHWINGENSCHUSS, L. (1937): Weitere Neuheiten aus Nord Persien. - Zeitschrift des Österreichischen Entomologen-Vereins **22** (6): 57-61, t. 3, Wien.
- SCHWINGENSCHUSS, L., et al. (1938): Sechster Beitrag zur Lepidopterenfauna Inner-Anatoliens. - Entomologischen Rundschau **55**:

- 141-147, 157-164, 173-177, 181-184, 199-202, 223-226, 229-300, 337-340, 411-412, 454-457, 532, 700, Stuttgart.
- SCOPOLI, I. A. (1763): *Entomologica Carniolica exhibens insecta carnioliae indigena et distributa in ordines, genera, species, varietates. Methodo Linnaeana*: [36]+423 pp., 1 pl., Vindobonae.
- SCOPOLI, I. A. (1772): *Annus V. Historico-Naturalis*: 1-128, Lipsiae.
- SEITZ, A. (1910): 4. Familie: Arctiidae, Bärenspinner. In SEITZ, A. *Die Gross-Schmetterlinge der Erde. I Abt.: Die Gross-Schmetterlinge des Palaearktischen Faunengebietes 2: Die Palaearktischen Spinner & Schwärmer*: 43-103, t. 10-18, 56, Alfred Kernen, Stuttgart.
- SEITZ, A. (1915): VI. Subfamilie Callimorphinae. In SEITZ, A. *Die Gross-Schmetterlinge der Erde* **10**: 264-276, pl. 26-30, Alfred Kernen, Stuttgart.
- SEMPER, G. (1899): Die Schmetterlinge der Philippinischen Insel 2: Die Nachtfalter, Heterocera. In SEMPER, G., *Reisen im Archipel der Philippinen von Dr. C. SEMPER 2. Wissenschaftliche Resultate. 6. Band. 1. Lieferung*: 381-728. - C. W. Kreidel's Verlag, Wiesbaden.
- SHELJUZHKO, L. (1918): Diagnoses lepidopterorum novorum Siberiae. - *Neue Beiträge zur systematischen Insektenkunde* **1** (13): 104, Berlin.
- SHELJUZHKO, L. (1926): Neue palaearktische Heteroceren. - *Deutsche Entomologische Zeitschrift Iris* **40**: 56-65, Dresden.
- SHELJUZHKO, L. (1934): Eine neue *Callimorpha dominula*-Rasse aus dem Kaukasus. *Callimorpha dominula teberdina* (ssp. nov.). - *Entomologische Zeitschrift* **48**: 73-75, Frankfurt am Main.
- SHELJUZHKO, L. (1935a): Eine neue Rasse von *Callimorpha quadripunctaria* Poda aus Transkaukasien. *Callimorpha quadripunctaria tkatshukovi* (ssp. nov.). - *Zeitschrift des Österreichischen Entomologen-Vereins Wien* **20** (3): 21-22, Wien.
- SHELJUZHKO, L. (1935b): Einige neue und wenig bekannte Lepidopteren aus dem Westlichen Tian-Schan. - *Mitt. Münch. Ent. Ges.* **25**: 27-38, t. 3, München.
- SHELJUZHKO, L. A. (Шелюшко, Л.А.) (1941): Материали до лепидоптерофауни Київщини. Bombyces i Sphinges. I [Materialen zur Lepidopterenfauna des Kijevschen Gebietes. Bombyces und Sphinges. I]. - *Труди Зоологічного музею Київського державного університету імені Т.Г. Шевченка [Acta Musei Zoologici Universitatis Kijevensis]* **1**: 1-101, Київ [Kiev] (in Russian).
- SILVA CRUZ, M. A. DA (1978): Une sous-espèce nouvelle de *Enconista miniosaria* (DUP.) et une autre de *Coscinia cribraria* (L.) (Lepidoptera). - *Publicações do Instituto de Zoologia „Dr. Augusto Nobre“* Nr. 143: 11-20, Porto. Repeat in: *Anais da Faculdade de Ciências da Universidade do Porto* **61** (1-4): 55-64, Porto.
- SINGH, J. & A. SINGH (1998): Arctiin diversity from a single locality of village Jatinga (north Cachar Hills: Assam). - *Himalayan Journal of Environmental and Zoology* **12** (2): 143-148, Hardwar.
- SINGH, J. & A. SINGH (1999): Studies on the male genitalia of two species of the genus *Amerila* WALKER (Arctiinae: Arctiidae: Lepidoptera). - *Geobios New Reports* **18** (1): 5-8, Jodhpur.
- SKALSKI, A. W. [Скальский, А.В.] (1988): *Stauropolia nekrutenkoi* gen. et sp. n. (Lepidoptera, Arctiidae) - новая ископаемая медведица из миоцена Кавказа [*Stauropolia nekrutenkoi* gen. et sp. n. (Lepidoptera, Arctiidae) - a new fossil tiger-moth from Miocene of the Caucasus]. - *Вестник зоологии [Vestnik Zoologii]* **1988** (4): 21-25, Kiev.
- SMITH, M. E. (1938): A revision of the genus *Apantesis* WALKER (Lepidoptera, Arctiidae). An abstract of a thesis: 1-12, Urbana, Illinois.
- SNELLEN, P. C. T. (1880): In VETH, *Midden Sumatra* **4** (8). - *Nat. Hist. Achtste afdeeling. Lepidoptera*: 1-84, 5 pl., E.J. Brill, Leiden.
- SNELLEN, P. C. T. (1898): Mededeelingen over *Nyctemera* en *Chalcosia* met beschrijvingen van nieuwe soorten. - *Tijdschrift voor Entomologie* **41**: 23-30, pl. 1, Amsterdam.
- SNELLEN, P. C. T. (1899) 1900): Eenige aantekeningen over exotische Lepidoptera. - *Tijdschr. Ent.* **42**: 101-114, pl. 5, Amsterdam.
- SNELLEN VAN VOLLENHOVEN, S. C. (1863): Description de quelques nouvelles especes de lepidopteres des indes orientalis. - *Tijdschrift voor Entomologie* **6**: 129-144, pl. 8-10, Amsterdam.
- SONAN, J. (1934): On three new species of the moths in Japan and Formosa. - *Kontyû* **8**: 212-214, Tokyo.
- SOTAVALTA, O. (1963): The generic position of *Hyphoraia alpina* QUENS. (Lep., Arctiidae). - *Ann. Ent. Fennici* **23** (4): 257-267, Helsinki.
- SOTAVALTA, O. (1965): A revision of the genus *Hyphoraia* HÜBNER s. lat. (Lepidoptera, Arctiidae). - *Ann. Ent. Fennici* **31** (3): 159-197, Helsinki.
- SOUTH, R. (1900): Variation of *Emydia cribrum*, L., in England. - *The Entomologist* **33** (442): 67-68, London.
- SOVINSKY, V. (Совинский, В.) (1905): Три новых кавказских разновидности чешуекрылых [Trois nouvelles formes de Lépidoptères du Caucase]. - *Русское энтомологическое обозрение [Russkoe Entomologicheskoe Obozrenie]* **5** (3-4): 108-110.
- SPULER, A. (1906): XXIII. Fam. Arctiidae STPH. In SPULER, A. *Die Schmetterlinge Europas* **2**: 128-152, Stuttgart.
- STANDFUSS, M. (1884): *Callimorpha v. Persona* Hb. - *Correspondenzblatt des Entomologischen Verins Iris* **1**: 23-29, Dresden.
- STANDFUSS, M. (1896): *Handbuch der paläarktischen Gross-Schmetterlinge für Forscher und Sammler*: 1-392, 8 Taf. - Jena.
- STAUDER, H. (1928): Neue Lepidopterenformen aus Sizilien. - *Lepidopterologische Rundschau* **2**: 113-116, Wien.
- STAUDINGER, O. (1867): Einige neue Lepidopteren (sämtlich aus der Sammlung des verstorbenen O. GRUNER). - *Stettiner Entomologische Zeitung* **28** (1-3): 100-110, Stettin.
- STAUDINGER, O. (1870): Beschreibung neuer Lepidopteren des europäischen Faunengebiets. - *Berl. Ent. Z.* **14**: 97-132, Berlin.
- STAUDINGER, O. (1871): [Macrolepidoptera]. In STAUDINGER, O. & M. WOCKE, *Catalog der Lepidopteren des europäischen Faunengebiets* (Edn.2): 38+426 S., Dresden.
- STAUDINGER, O. (1878 [1879]): Lepidopteren Kleinasiens. - *Horae Societas Entomologicae Rossicae* **14**: 176-482, St.-Petersburg.
- STAUDINGER, O. (1881): Beitrag zur Lepidopterenfauna Central-Asiens. - *Stettiner Entomologische Zeitung* **42**: 253-300, 393-424, Stettin.
- STAUDINGER, O. (1886): Description of a new *Bombyx* allied to *Arctia caja*. - *The Entomologist's Monthly Magazine* **22**: 258-259, London.
- STAUDINGER, O. (1887a): Centralasiatische Lepidopteren. - *Sztettioner Entomologische Zeitung* **48**: 49-102, Stettin.
- STAUDINGER, O. (1887b): Neue Arten und Varietäten von Lepidopteren aus dem Amur-Gebiete. - *Mémoires sur les lépidoptères*, ed. N. M. ROMANOFF **3**: 126-232, T. 6-12, 16-17, M. M. Stassulévitch, St.-Petersbourg.
- STAUDINGER, O. (1891 [1892a]): Eine neue *Parnassius*-Form und zwei neue paläarktische *Arctia*-Arten. - *Deutsche Entomologische Zeitschrift Iris* **4**: 158-162, T. 3, Dresden.
- STAUDINGER, O. (1891 [1892b]): Neue Arten und Varietäten von Lepidopteren des paläarktischen Faunengebiets. - *Deutsche Entomologische Zeitschrift Iris* **4**: 224-339, T. 3, Dresden.
- STAUDINGER, O. (1892c): Lepidopteren des Kentei-Gebirges. - *Deutsche Entomologische Zeitschrift Iris* **5**: 300-393, Dresden.
- STAUDINGER, O. (1892d): Die Macrolepidopteren des Amurgebiets. I Theil. Rhopalocera, Sphinges, Bombyces, Noctuae. In: *Mémoires sur les lépidoptères*, ed. N. M. ROMANOFF **6**: 83-658, Pl. 4-14, M. M. Stassulévitch, St.-Petersbourg.



- STAUDINGER, O. (1894): Neue Lepidopteren-Arten und Varietäten aus dem paläarktischen Faunengebiet. - Deutsche Entomologische Zeitschrift *Iris* 7: 241-296, Dresden.
- STAUDINGER, O. (1895a): Neue paläarktische Lepidopteren. - Deutsche Entomologische Zeitschrift *Iris* 8: 288-299, t. 1, Dresden.
- STAUDINGER, O. (1895b): Ueber Lepidopteren von Uliassutai. - Deutsche Entomologische Zeitschrift *Iris* 8: 344-366, Dresden.
- STAUDINGER, O. (1896): Drei neue paläarktische Heteroceren. - Deutsche Entomologische Zeitschrift *Iris* 9: 188-192, t. 4, Dresden.
- STAUDINGER, O. (1897): Lepidopteren des Apfelgebirges. - Deutsche Entomologische Zeitschrift *Iris* 10: 320-344, t. 9, Dresden.
- STAUDINGER, O. (1899): Neue Lepidopteren des paläarktischen Faunengebiets. - Deutsche Entomologische Zeitschrift *Iris* 12: 352-403, T.5, Dresden.
- STAUDINGER, O. & H. REBEL (1901): Catalog der Lepidopteren des paläarktischen Faunengebiets 1: I-XLII, 1-411, Berlin.
- STEPHENS, J. F. (1827): in: Anonymous, The Retrospective Review, and Historical and Antiquarian Magazine (2) 1: 244.
- STEPHENS, J. F. (1828-1829): Illustrations of British Entomology, or, a Synopsis of Indigenous Insects; containing their generic and specific distinctions; with an account of their metamorphoses, times of appearance, localities, food, and economy, as far as practicable II. Haustellata: 203 pp., pl. 13-24. - Baldwin and Cradock, London.
- STICHEL, H. (1911): Zweiter Beitrag zur nordischen Schmetterlingsfauna und anknüpfende Bemerkungen. - Berl. Ent. Z. 56: 33-104, T. 3, Berlin.
- STOLL, C. (1780-1782): In CRAMER, P., De Uitlandsche Kapellen voorkomende in de drie Waereld-Deelen Asia, Africa en America [Papillons Exotiques des trois parties du monde l'Asie, l'Afrique et l'Amerique] 4: 1-252 pp., t. CCCV-CCCC, Amsterdam, Utrecht.
- STRAND, E. (1909): Zur Kenntnis der Afrikanischen Arten der Arctiidengattung *Deilemera* Hb., *Eohemera* AURIV., *Secusio* WALKER, *Utetheisa* Hb. und *Axiopoeniella* STRAND. - Ann. Soc. Ent. Belg. 53: 324-357, Bruxelles.
- STRAND, E. (1912): Ein neuer Bär von Tianschan. - Internationale Entomologische Zeitschrift 6 (1): 2, Guben.
- STRAND, E. (1915): H. SAUTERS Formosa-Ausbeute: Arctiidae (Lepid.). - Entomologische Mitteilungen 4 (1/3): 12-17, Berlin-Dahlem.
- STRAND, E. (1919): Arctiidae: subfam. Arctiinae. - Lepidopterorum Catalogus 22: 416 S., W. Yunk, Berlin.
- STRAND, E. (1922): H. SAUTER'S Formosa-Ausbeute. Nachträge zu den Lepidoptera. - Ent. Z. 36 (1): 1-2, 6-7, 11, 15, 19, Frankfurt am Main.
- STRETCH, R. H. (1885): Descriptions of New Species of Heterocera. - Entomologica Americana 1: 101-107, Brooklyn.
- STSHETKIN, YU. L. (Шеткин Ю.Л.) (1982) Новый подвид - *Arctia caja pamiroalaica* STSHETKIN, ssp. n. - из Средней Азии (Lepidoptera: Arctiidae) [A new subspecies - *Arctia caja pamiroalaica* STSHETKIN, ssp. n. - from Central Asia (Lepidoptera: Arctiidae)]. - Известия Академии наук Таджикской ССР. Отделение биологических наук [Proceedings of the Academy of Sciences of Tadzhikistan. Department of biological sciences] 86 (1): 39-43, Dushanbe (in Russian).
- SWINHOE, C. (1885a): 5. On the Lepidoptera of Bombay and the Deccan. - Proceedings of the Scientific Meetings of the Zoological Society of London 1885: 287-307, pl. XX-XXI, London.
- SWINHOE, C. (1885b): IV. List of Lepidoptera collected in Southern Afghanistan. - The Transactions of the Entomological Society of London 1885 (3): 337-355, pl. 9, London.
- SWINHOE, C. C. (1889 [1890]): 2. On New Indian Lepidoptera, chiefly Heterocera. - Proceedings of the Scientific Meetings of the Zoological Society of London 1889: 396-432, pl. XLIII-XLIV, London.
- SWINHOE, C. (1891a): IV. New species of moths from Southern India. - Trans. Ent. Soc. London 1891: 133-154, pl. VIII, London.
- SWINHOE, C. (1891b): XIX. New species of Heterocera from the Khasia Hills Part I. - Trans. Ent. Soc. London 1891: 473-495, pl. XIX, London.
- SWINHOE, C. (1892): Catalogue of Eastern and Australian Lepidoptera Heterocera in the collection of the Oxford University Museum: 1-324, 8 pl. - Clarendon Press, Oxford.
- SWINHOE, C. (1893): XXXV. - New species of Oriental moths. - The Annals and Magazine of Natural History (series 6) 12: 210-225, London.
- SWINHOE, C. (1903a): XI. - Descriptions of new Eastern Moths. - The Annals and Magazine of Natural History (ser. 7) 12: 193-200, London.
- SWINHOE, C. (1903b): On the genus *Deilemera* HÜBNER. - Trans. Ent. Soc. London 1903: 53-85, pl. 3-4, London.
- SWINHOE, C. (1904): On some new butterflies and moths from the East. - Annals and Magazine of Natural History (ser. 7) 14: 417-424, London.
- SWINHOE, C. (1905): XV. - Notes on Eastern and Australian Heterocera, with descriptions of one new genus and thirteen new species. - The Annals and Magazine of Natural History (series 7) 16: 142-155, London.
- SWINHOE, C. (1906): LIX. - New and little-known species of Eastern and Australian Heterocera. - The Annals and Magazine of Natural History (series 7) 18 (108): 403-416, London.
- SWINHOE, C. (1907): New and little known Eastern moths. - The Annals and Magazine of Natural History (ser. 7) 20: 75-80, London.
- SWINHOE, C. (1908): New Eastern Lepidoptera. - The Annals and Magazine of Natural History (series 8) 1: 60-68, London.
- SWINHOE, C. (1915): XXIV. - New species of Indo-Malayan Lepidoptera. - Ann. Mag. Nat. Hist. (series 8) 16: 170-186, London.
- SWINHOE, L.-C. (1917a): XXX. - New species of Indo-Malayan Lepidoptera. - Ann. Mag. Nat. Hist. (series 8) 19: 331-343, London.
- SWINHOE, L.-C. (1917b): XXXVIII. - New species of Indo-Malayan Lepidoptera. - Ann. Mag. Nat. Hist. (series 8) 19: 409-416, London.
- SWINHOE, L.-C. (1917c): XIII. - New species of Indo-Malayan Lepidoptera. - Ann. Mag. Nat. Hist. (series 8) 20: 157-166, London.
- TALBOT, G. (1926): X. - On some families of Heterocera collected in Sarawak. - Sarawak Mus. J. 3 (9): 129-146, 1 pl., Kuching, Sarawak.
- TALBOT, G. (1929): Descriptions of some moths collected by Messrs. C. F. and J. PRATT in New Guinea, Ceram, Buru, and Sumatra. - Bulletin of the Hill Museum, Wormley Surrey 3: 87-95, London.
- TAMS, W. (1922): A new *Callimorpha* from north-west Persia and Armenia. - The Entomologist 55: 196-197, London.
- TAMS, W. H. T. (1939): CHANGES IN THE GENERIC NAMES OF SOME BRITISH MOTHS. - The Entomologist 72: 66-74, London.
- TAUSCHER, A. M. (1806): Lepidopterorum novorum Russiae indigenorum observationes sex. - Записки общества испытателей природы, основанного при Императорскомъ Московскомъ Университете [Mem. Soc. Imp. Nat. Moscou] 1: 207-212, t. 13, Moscow.
- THOMAS, W. (1983): Eine neue *Callimorpha dominula*-Unterart aus der Osttürkei (Lep.: Arctiidae). - Ent. Ze. 93 (8): 107-110, Frankfurt/Main.
- THOMAS, W. (1984): Zum Status von *Spilarctia montana* (GUÉRIN-MÉNÉVILLE) und *Spilarctia obliqua* (WALKER) (Lep., Arctiidae). - Nachrichten des Entomologischen Vereins Apollo N.F. 4 (4): 85-98, Frankfurt am Main.
- THOMAS, W. (1987): *Gonerda watsoni* spec. nov. (Lep. Arctiidae) und ihre verwandten Arten. - Nachrichten des Entomologischen Vereins Apollo N.F. 7 (4): 125-131, Frankfurt am Main.
- THOMAS, W. (1990): Die Gattung *Lemyra* (Lepidoptera, Arctiidae). - Nach. Ent. Ver. Apollo, Suppl. 9: 1-83, Frankfurt am Main.
- THOMAS, W. (1992 [1993]): Revision der *punctata*-Gruppe der Gattung *Spilosoma* (Lepidoptera, Arctiidae). - Nachrichten des Entomologischen Vereins Apollo 13 (3a): 285-296, Frankfurt am Main.
- THOMAS, W. (1994): Revision der *casigneta*-Gruppe der Gattung *Spilosoma* (Lepidoptera, Arctiidae). - Heterocera Sumatrana 7 (2):

181-200, Göttingen.

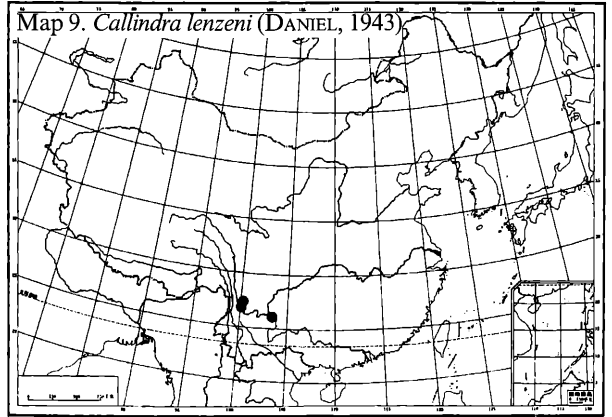
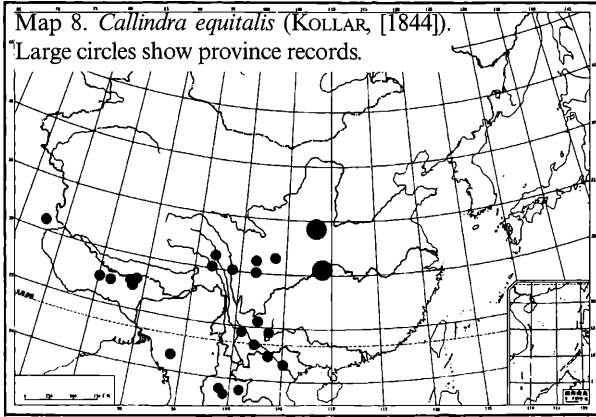
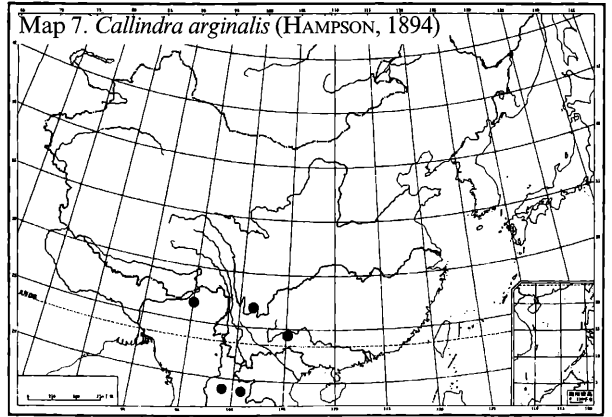
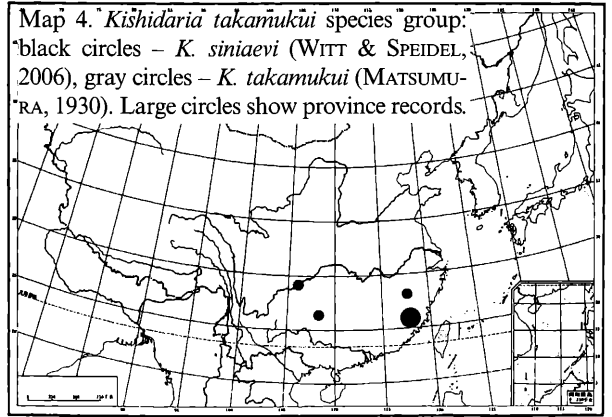
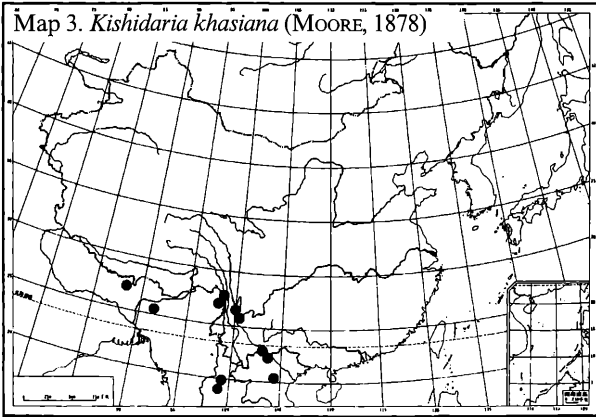
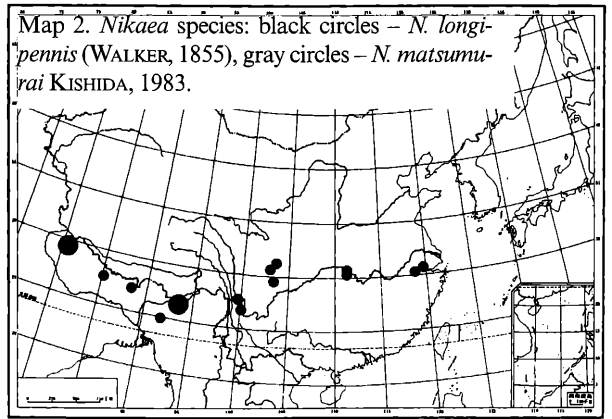
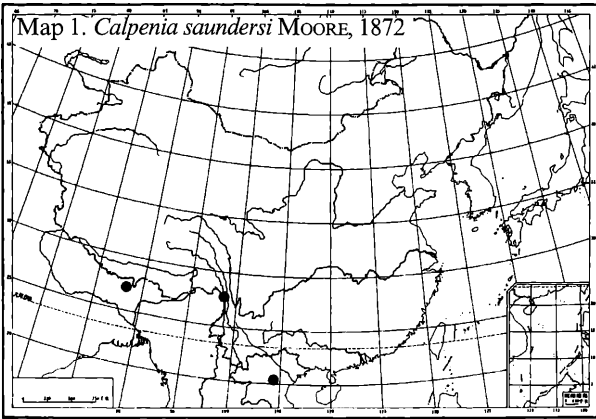
- THOMAS, W. & D. GOODGER (1992 [1993]): *Aloa* WALKER 1855 and *Amsacta* WALKER 1855, two distinct genera of Arctiinae (Lepidoptera). - Nachrichten des Entomologischen Vereins Apollo **13** (3a): 297-305, Frankfurt am Main.
- THUNBERG, C. P. (1791-1795): D.D. Dissertatio entomologica sistens Insecta Suecica, quor 2: [1-2], 25-46, pl. 2, plate, J.F. Edman: Upsaliae.
- TORSTENIUS, S. (1971): *Orodemnias cervini* FALLOU ssp. *fridolini* n. ssp. (Lepidoptera, Arctiidae). - Ent. Tidskr. **92** (3-4): 173-177, Stockholm.
- TOULGOËT, H. DE (1962): Description d'une Arctiide nouvelle du Kashmir [Lep. Arctiidae]. - Bulletin de la Société entomologique de France **67** (mai-juin): 128-130, Paris.
- TOULGOËT, H. DE (1975): Ergebnisse der Bhutan-Expedition 1972 des Naturhistorisches Museum in Basel. Lepidoptera: Fam. Arctiidae. - Entomologica basiliensia **1**: 113-117, Basel.
- TOULGOËT, H. DE (1981): Les types des arctiides décrites par le Docteur P. RAMBUR [Lépidoptères Arctiidae]. - Alexanor **12** (3): 129-131, Paris.
- TOULGOËT, H. DE (1985): Mises au point sur la variation infraspécifique et la répartition de *Chelis maculosa* GERNING (Lépidoptères Arctiidae, Arctiinae). - Alexanor **14** (2): 69-80, Paris.
- TSCHEPVERIKOV, S. (1904): Lepidoptera palearctica nova. - Русское энтомологическое обозрение [Russkoe Entomologicheskoe Obozrenie] **4** (2-3): 77-79, St.-Petersburg.
- TSHISTJAKOV, YU. A. [Чистяков, Ю.А.] (1988): Медведицы рода *Dodia* DYAR, 1901 (Lepidoptera, Arctiidae) фауны СССР [Tiger moths of the genus *Dodia* DYAR, 1901 (Lepidoptera, Arctiidae) of the fauna of the USSR]. - Энтомологическое обозрение [Entomologicheskoe Obozrenie. Revue d'Entomologie de l'URSS] **67** (3): 632-643 (in Russian).
- TSHISTJAKOV, YU. A. [Чистяков, Ю.А.] (1990) *Paractia tundrana* sp. n. - викариант *P. subnebulosa* (DYAR, 1899) (Lepidoptera, Arctiidae) в субарктическом секторе Азии [*Paractia tundrana* sp. n. - a vicariant of *P. subnebulosa* (DYAR, 1899) (Lepidoptera, Arctiidae) in the subarctic sector of Asia]. - Новости систематики насекомых Дальнего Востока [News of systematic of insects of the Far East]: 97-99, Vladivostok (in Russian).
- TSHISTJAKOV, Y. A. & Y. KISHIDA (1994): A new species of the genus *Lemyra* WALKER, 1856 (Lepidoptera, Arctiidae) from Russian Far East and Korea. - Tyô to Ga **45** (3): 189-192, Tokyo.
- TSHISTJAKOV, Y. A. & J. D. LAFONTAINE (1984): A review of the genus *Dodia* DYAR (Lepidoptera: Arctiidae) with description of a new species from Eastern Siberia and Northern Canada. - The Canadian Entomologist **116**: 1549-1556, Ottawa.
- TURATI, E. (1907): Nuove forme di Lepidotteri. - Il Naturalista Siciliano **20** (1-2-3): 1-48, t. 3-5, Palermo.
- TURATI, E. (1909): Nuove forme di Lepidotteri e note eritiche. III. - Il Naturalista Siciliano **21/1** (n.s.) (1-8): 1-125, pl. 1-6, Palermo.
- TURATI, E. & R. VERITY (1911): Faunula Valderiensis nell'alta valle del Gesso (Alpi Marittime). Heterocera. - Bollettino della Società Entomologica Italiana **43**: 168-233, Firenze.
- TUTT, J. W. (1904): Notes on the habits, distribution and variation of *Phragmatobia fuliginosa*. - The Entomologist's Record and Journal of Variation **16**: 58-67, London, Berlin, New York.
- VILLERS, C. DE. (1789): CAROLI LINNAEI Entomologica, Faunae Sueciae Descriptionibus Aucta; DD. SCOPOLI, GEOFFROY, DE GEER, FABRICIUS, SCHRANK, etc. speciebus vel in Systemate non enumeratis, vel nuperrime detectis, vel speciebus Galliae Australis locupletata, generum specierumque rariorum iconibus ornate **2**: XVI+654 pp., Lugduni.
- VIVES MORENO, A. (1994): Catalogo sistemático y sinonímico de los lipidopteros de la Peninsula Ibrica y Balares (Insecta: Lepidoptera) (secunda pate): i-x, 1-775, Madrid.
- VORBRODT, K. & J. MÜLLER-RUTZ (1914): Die Schmetterlinge der Schweiz **2**: 1-727. - Druck und Verlag von K.J.Wiss, Bern.
- VOS, R. DE. (1995): A revision of *Nyctemera consobrina* (HOPFFER, 1874) with redescription of three subspecies (Lepidoptera: Arctiidae, Nyctemerinae). - Nachrichten des Entomologischen Vereins Apollo N.F. **16** (1): 81-93, Frankfurt am Main.
- VOS, R. DE. (2002): Revision of the *Nyctemera evergista* group (=subgenus *Deilemera* HÜBNER) (Lepidoptera: Arctiidae, Arctiinae, Nyctemerini). - Nachrichten des Entomologischen Vereins Apollo N.F. **23** (1/2): 7-32, Frankfurt am Main.
- VOS, R. DE. (2007): The *Utetheisa* species of the subgenera *Pitasila*, *Atasca* and *Raanya* subgen. n. (Insecta, Lepidoptera: Arctiidae). - Aldrovandia. Bollettino del Museo Civico di Zoologia di Roma **3**: 31-120, Roma.
- VOS, R. DE. & K. ČERNÝ (1999): A review of the Philippine species of the genus *Nyctemera* HÜBNER, [1820] with descriptions of new species and subspecies (Lepidoptera: Arctiidae, Nyctemerinae). - Nachr. Ent. Ver. Apollo N.F. **20** (2): 133-188, Frankfurt/M.
- WACKERZAPP, O. (1890): Die Fauna des Simplon-Gebiets. - Stettiner Entomologische Zeitung **51** (1-3): 211-228, Stettin.
- WAGNER, F. (1913): Neue Heteroceren aus Centralasien. - Internationale Entomologische Zeitschrift **7** (1): 2-4, Guben.
- WAGNER, F. (1918): Einige alte und neue europäisch-palaearktische Lepidopteren. - Z. Österr. Ent. Ver. **3**: 43-47, Wien.
- WAGNER, F. (1937): Drei weitere Neuheiten aus Nord-Persien. - Z. Österr. Ent. Ver. **22** (3): 21-22, t. 1, Wien.
- WALKER, F. (1854): List of the Specimens of Lepidopterous Insects in the Collection of the British Museum **2**: 279-581. - E. Newman, London.
- WALKER, F. (1855): List of the Specimens of Lepidopterous Insects in the Collection of the British Museum **3**: 583-775. - E. Newman, London.
- WALKER, F. (1856): List of the Specimens of Lepidopterous Insects in the Collection of the British Museum **7**: 1509-1808. - E. Newman, London.
- WALKER, F. (1859): Catalogue of the Heterocerous Lepidoptera collected at Singapore by Mr. A. R. WALLACE, with descriptions of new species. - Journal of the Proceedings of the Linnean Society. Zoology. **3**: 183-198, London.
- WALKER, F. (1862a): Catalogue of the Heterocerous Lepidoptera collected at Sarawak, in Borneo, by Mr. A. R. WALLACE, with descriptions of new species. - Journal of the Proceedings of the Linnean Society. Zoology. **6**: 82-145, London.
- WALKER, F. (1862b) :VII. Characters of undescribed Lepidoptera in the collection of W. W. SAUNDERS. - The Transactions of the Entomological Society of London (ser. 3) **1**: 70-128, London.
- WALKER, F. ([1863]): List Spec Lep. Ins. Coll. Brit.h Mus. **26**: 1480-1770. - E. Newman, London.
- WALKER, F. (1864 [1865a]): List Spec Lep. Ins. Coll. Brit.h Mus. **31** (suppl.): 321 p. - E. Newman, London.
- WALKER, F. (1865b): List Spec Lep. Ins. Coll. Brit.h Mus. **32** (suppl.), Part 2: 323-706 p., E. Newman, London.
- WALKER, F. (1866): List of the Specimens of Lepidopterous Insects in the Collection of the British Museum **35**: 1535-2040. - E. Newman, London.
- WALKER, F. (1869): Characters of undescribed Lepidoptera Heterocera: 8vo, 112 pp., London.
- WALLENGREN, H. D. J. (1860): Lepidopterologische Mittheilungen. - Wiener Entomologische Monatschrift **4** (6): 161-176, Wien.
- WALLENGREN, H. D. J. (1885): Skandinaviens Heterocer-Fjärilar **2**. - Lund.
- WARNECKE, G. (1918): Eine neue Lokalform von *Rhyparia purpurata* L. - Internationale Entomologische Zeitschrift **12** (11): 81, Guben.

- WARNECKE, G. (1949): Die Alpenrasse von *Orodermnia quenselii* Payk., nov. subsp. *alpivolans* WARN. - Z. Wien. Ent. Ges. **34**: 127-129, Wien.
- WATSON, A., FLETCHER, D. S. & I. W. B. NYE (1980): The Generic Names of Moths of the World. **2**: 1-228. - Trustees of the Brit. Mus. (N. H.), London.
- WATSON A. & D. T. GOODGER (1986): Catalogue of the Neotropical tiger-moths: 1-71. - Trustees of the British Museum (N. H.), London.
- WEST, R. J. (1932): Further descriptions of new species of Japanese, Formosan and Philippine Heterocera. - Novitates Zoologicae **37** (2): 207-238, London and Aylesbury.
- WESTWOOD, J. O. (1839-1840): An introduction to the modern classification of insects, founded on the natural habits and corresponding organization of the different families 2 (Synopsis Genera Br. Insecta): 1-587, figs. 57-133, London.
- WEYMER, G. (1885): Exotische Lepidopteren. III. Beitrag zur Lepidopteren-Fauna von Nias. - Stettiner Entomologische Zeitung **46** (1-3): 257-285, Taf. I-II, Stettin.
- WILEMAN, A. E. (1910): Some new Lepidoptera-Heterocera from Formosa. - The Entomologist **43**: 136-139, 189-193, 244-248, London.
- WILEMAN, A. E. (1911): New Lepidoptera-Heterocera from Formosa. - The Entomologist **44**: 29-32, 148-152, London.
- WILEMAN, A. E. (1915): A new genus and five new species of Heterocera from the Philippines. - The Entomologist **48**: 110-112, London.
- WILTSHIRE E. P. (1957): The Lepidoptera of Iraq: 1-162. - Nicholas Kaye Ltd., Bagdad.
- WILTSHIRE E. P. (1961): Ergebnisse der Deutschen Afghanistan-Expedition 1956 der Landessammlungen für Naturkunde Karlsruhe. Middle East Lepidopteren XV. A second contribution to the Lepidoptera of Afghanistan. - Beiträge zur naturkundlichen Forschung in Südwestdeutschland **19** (3): 337-371, pl., Karlsruhe.
- WILTSHIRE E. P. (1980): Insects of Saudi Arabia. Lepidoptera: Fam. Cossidae, Limacodidae, Sesiidae, Lasiocampidae, Sphingidae, Notodontidae, Geometridae, Lymantriidae, Nolidae, Arctiidae, Agaristidae, Noctuidae, Ctenuchidae. - Fauna Saudi Arabia **2**: 179-240, Basel.
- WILTSHIRE E. P. (1983): Insects of Saudi Arabia. Lepidoptera: Fam. Cossidae, Sphingidae, Thyretidae, Geometridae, Lymantriidae, Arctiidae, Agaristidae, Noctuidae, Ctenuchidae (Part 3). Fauna Saudi Arabia **5**: 293-332, Basel.
- WILTSHIRE E. P. (1986): Lepidoptera of Saudi Arabia: Fam. Cossidae, Sesiidae, Metarbelidae, Lasiocampidae, Sphingidae, Geometridae, Lymantriidae, Arctiidae, Nolidae, Noctuidae (Heterocera); Fam. Satyridae (Rhopalocera) (Part 5). - Fauna Saudi Arabia **8**: 262-323, Basel. - Fauna Saudi Arabia **8**: 262-323, Basel.
- WITT, T. (1980a): Die Verbreitung und Rassenbildung von *Ocnogyna parasita* (HÜBNER, 1790). - Mitteilungen der Münchner Entomologischen Gesellschaft **69**: 133-165, München.
- WITT, T. (1980b) Bombyces und Sphinges aus Korea. I. (Lepidoptera: Bombycidae, Sphingidae). - Folia Entomologica Hungarica **41** (33) (1): 167-174, Budapest.
- WITT, T. (1985): Bombyces und Sphinges (Lepidoptera) aus Korea, II. - Folia Entomologica Hungarica **46** (2): 179-194, Budapest.
- WITT, T. J., MÜLLER, G. C., KRAVCHENKO, V. D., MILLER, M. A., HAUSMANN, A. & W. SPEIDEL (2005): A new *Olepa* species from Israel (Lepidoptera: Arctiidae). - Nachrichtenblatt der Bayerischen Entomologen **54** (3/4): 101-115, München.
- WITT, TH. & W. SPEIDEL (2006): Eine neue *Calpenia*-Art aus China (Lepidoptera, Arctiidae). - Entomofauna **27** (2): 37-44, Ansfelden.
- WNUKOWSKY, W. (1929): Einige Nomenklatur-Notizen über die paläarktischen Lepidopteren. - Zoologosche Anzeiger **83**: 221-224, Leipzig.
- WOJTUSIAK, R. J. & W. NIESIOLOWSKI (1946): Lepidoptera of the Central Caucasus, collected during the Polish Alpine Expedition in 1935, with ecological and zoogeographical remarks. I. Part. Macrolepidoptera. - Acta Musei Historiae naturalis Academia Polona litterarum et scientiarum **6**: 1-74, Pl. 11-13, Kraków.
- YANAGITA, Y. (1999): *Nyctemera formosana* (SWINHOE) (Arctiidae) from Iriomote I., the Ryukyus - Japan Heterocerists' Journal **206**: 99, Tokyo.
- YATHOM, S. (1984): Distribution and flight period of two *Ocnogyna* species in Israel (Lepidoptera: Arctiidae). - Israel Journal of Entomology **18**: 63-66, Tel Aviv.
- ZELLER, P. C. (1846): Beschreibung der *Trichosoma löwii* n. sp. nebst Bemerkungen über CARRENNO's „Insecte, dont l'ordre est incertain“. - Stettiner Entomologische Zeitung **7**: 5-11, Stettin.
- ZELLER, P. C. (1847): Bemerkungen über die auf einer Reise nach Italien und Sicilien beobachteten Schmetterlingsarten von P. C. ZELLER. - Isis von Oken. - Jahrb. **1847** (1): 3-39, (2): 121-159, (3): 213-233, (4): 284-308, (6): 427-457, (7): 483-522, (8): 561-594, (9): 639-673, (10): 721-771, (11): 801-859, (12): 881-914, Leipzig.
- ZERNY, H. (1927): Die Lepidopterenfauna van Albarracin in Aragonien. - Eos. Rev. Esp. Ent. **3**: 299-487, Taf. 9-10, Madrid.
- ZERNY, H., CORTI, A., DANIEL, F., SCHWINGENSCHUSS, L. & E. WEHRLI (1933): Lepidopteren aus dem nördlichen Libanon (Fortsetzung). - Deutsche Entomologische Zeitschrift Iris **47**: 60-109, T. 1, Dresden.
- ZOLOTUHIN, V. V. (Золотухин, В.В.) 1993 [1994]. К фауне чешуекрылых Монголии (Lepidoptera, Macrolepidoptera) [To the fauna of the Macrolepidoptera (Lepidoptera) of Mongolia]. - Actias **1** (1-2): 121-123, Moscow (in Russian).

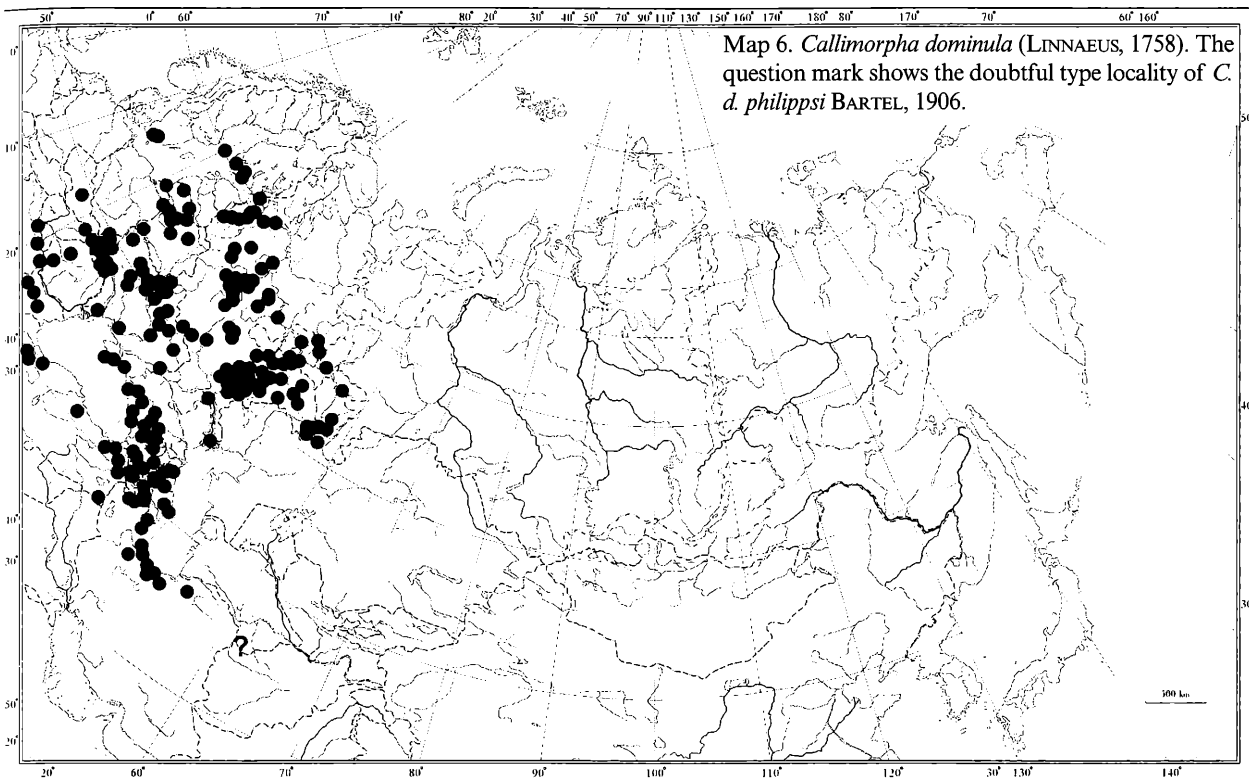
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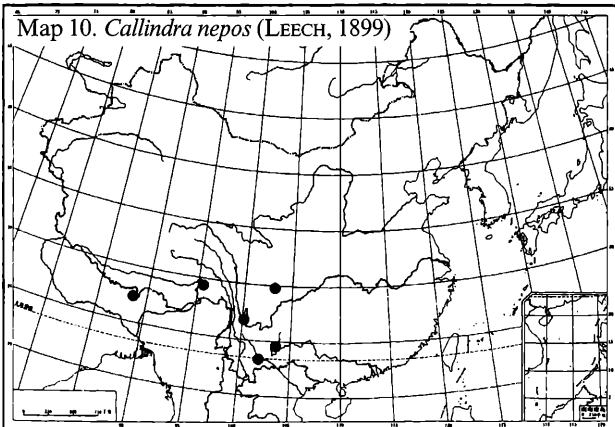
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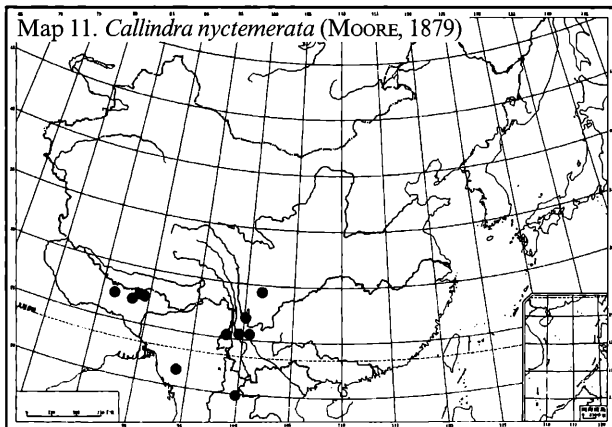
Map 6. *Callimorpha dominula* (LINNAEUS, 1758). The question mark shows the doubtful type locality of *C. d. philippsi* BARTEL, 1906.



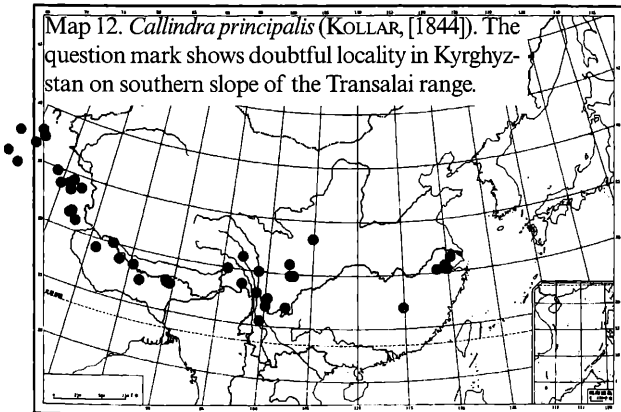
Map 10. *Callindra nepos* (LEECH, 1899)



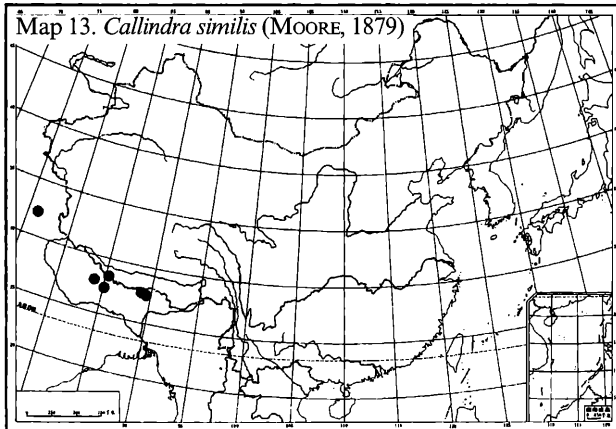
Map 11. *Callindra nyctemerata* (MOORE, 1879)

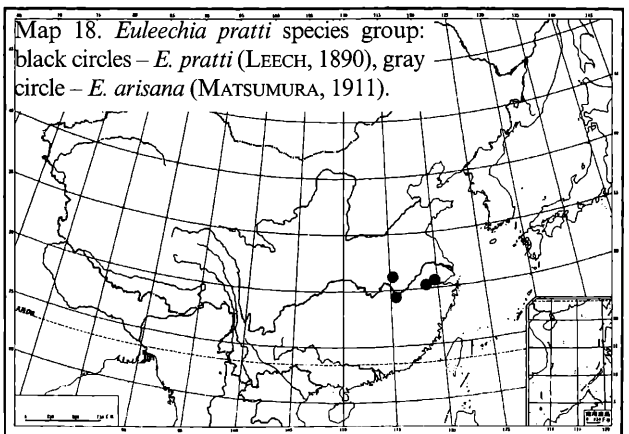
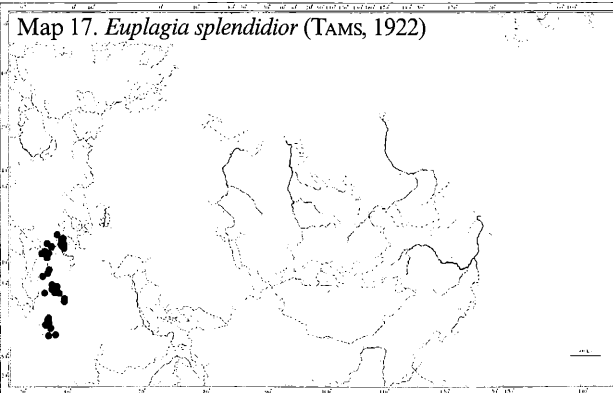
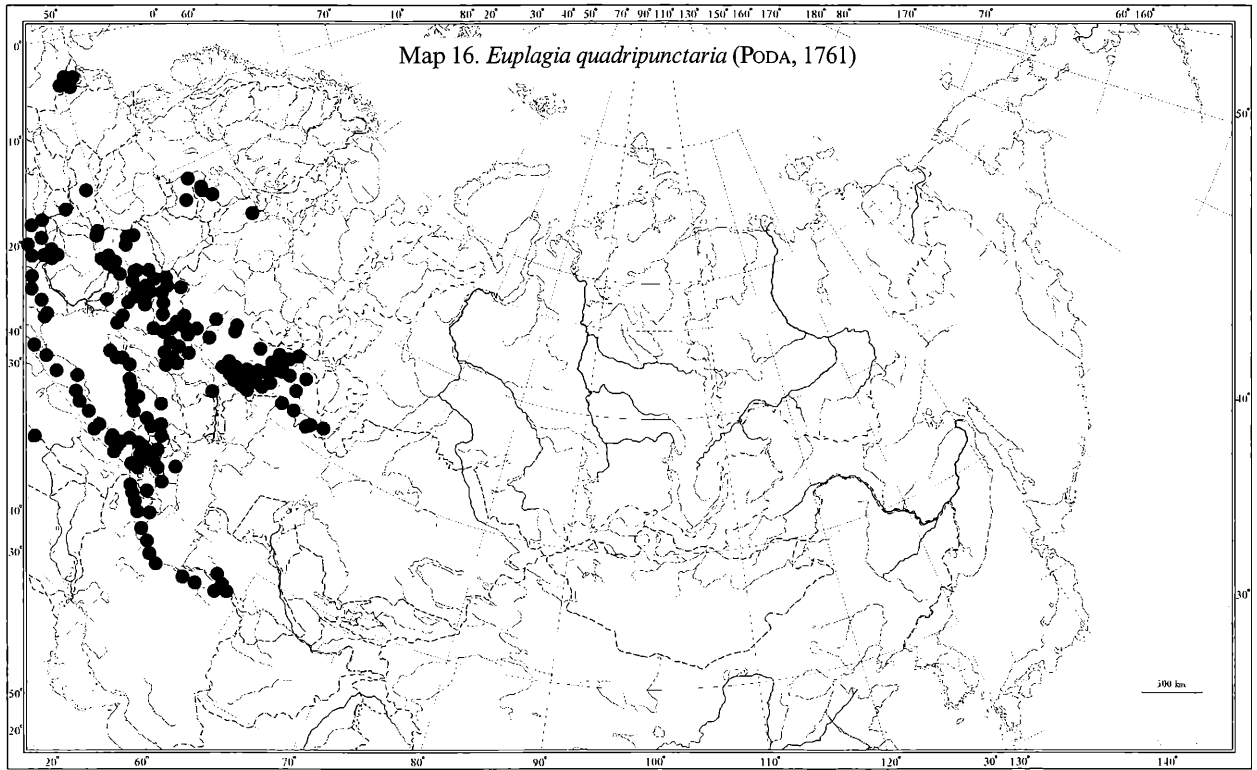
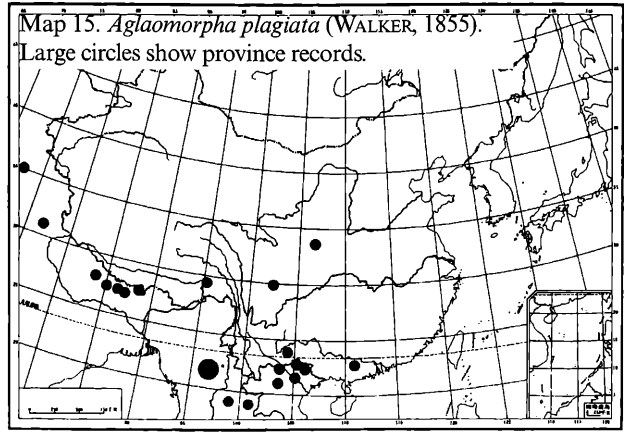
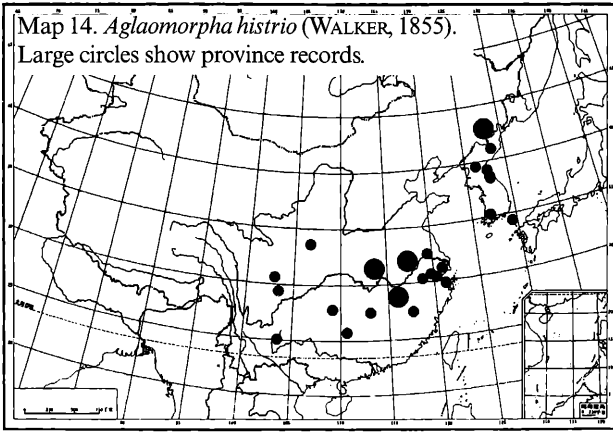


Map 12. *Callindra principalis* (KOLLAR, [1844]). The question mark shows doubtful locality in Kyrgyzstan on southern slope of the Transalai range.



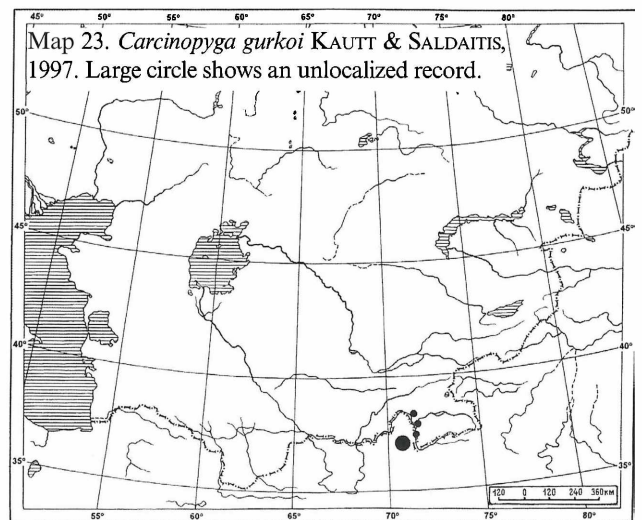
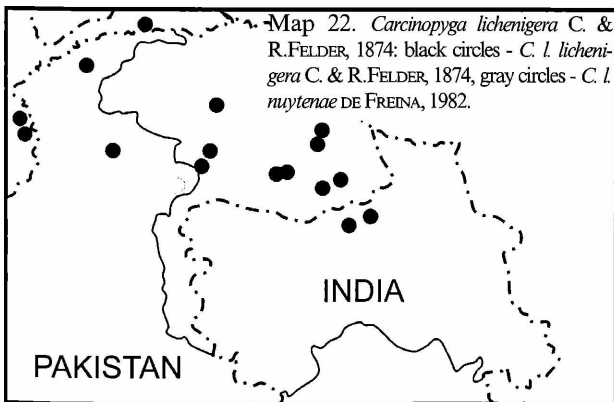
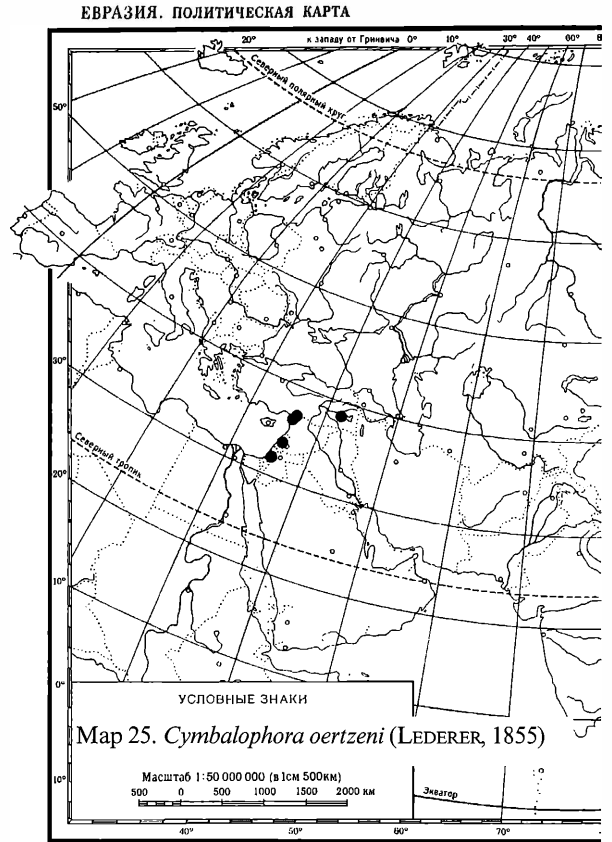
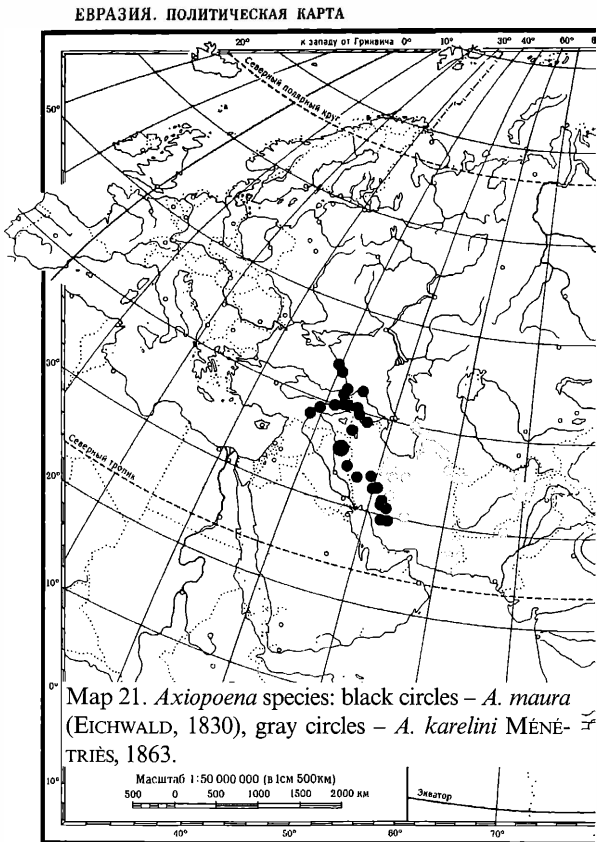
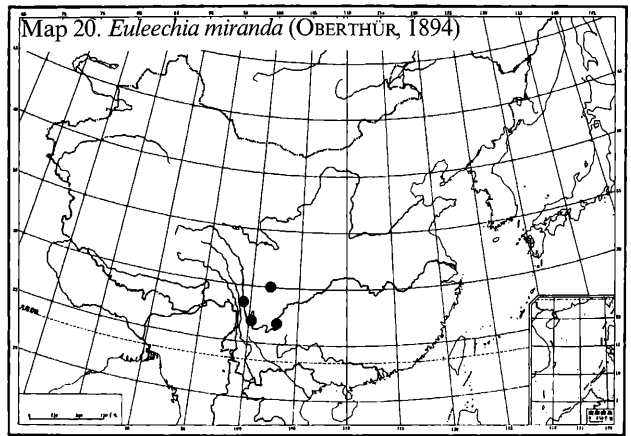
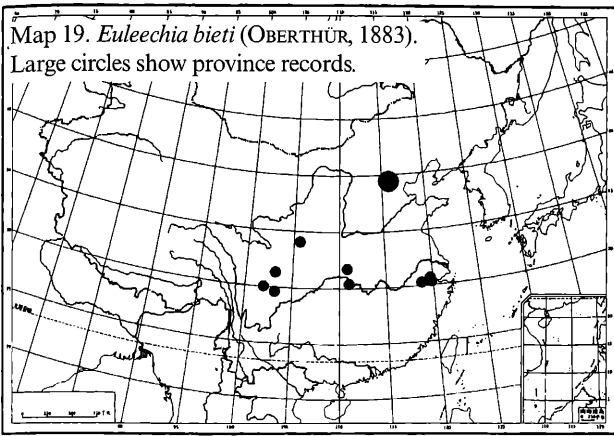
Map 13. *Callindra similis* (MOORE, 1879)

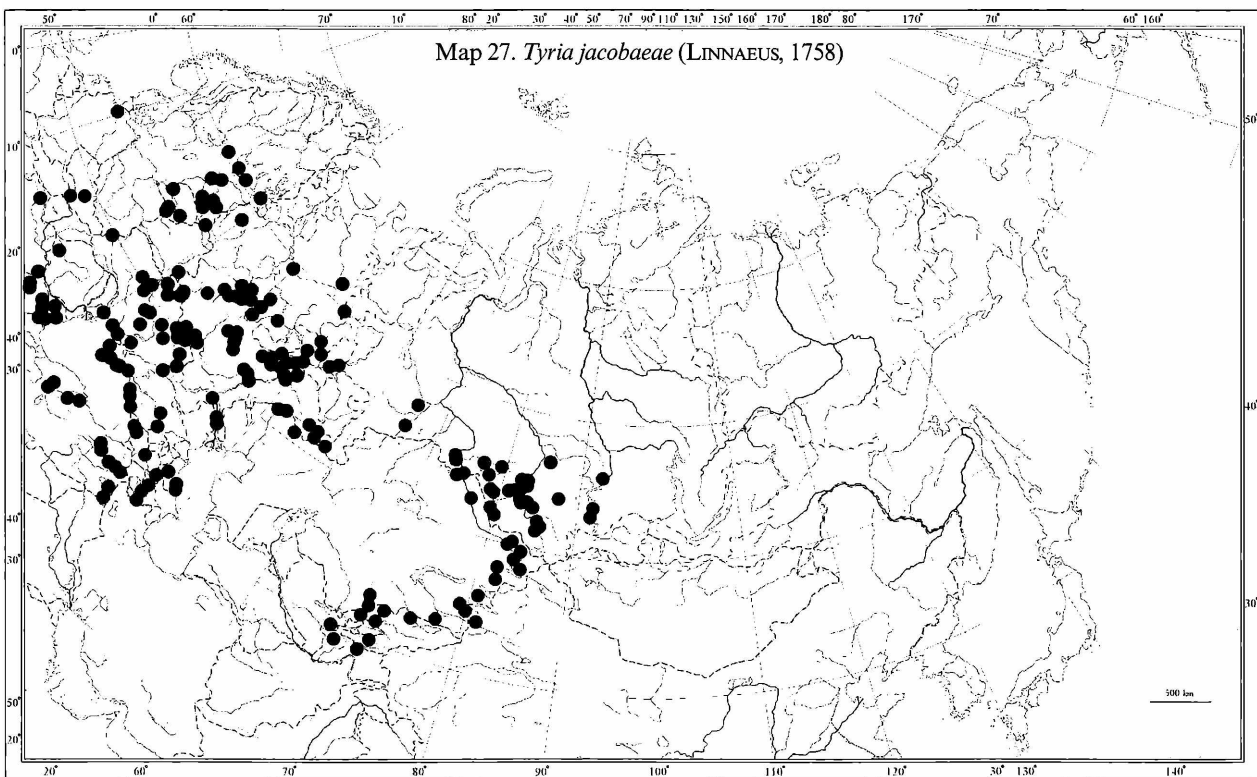
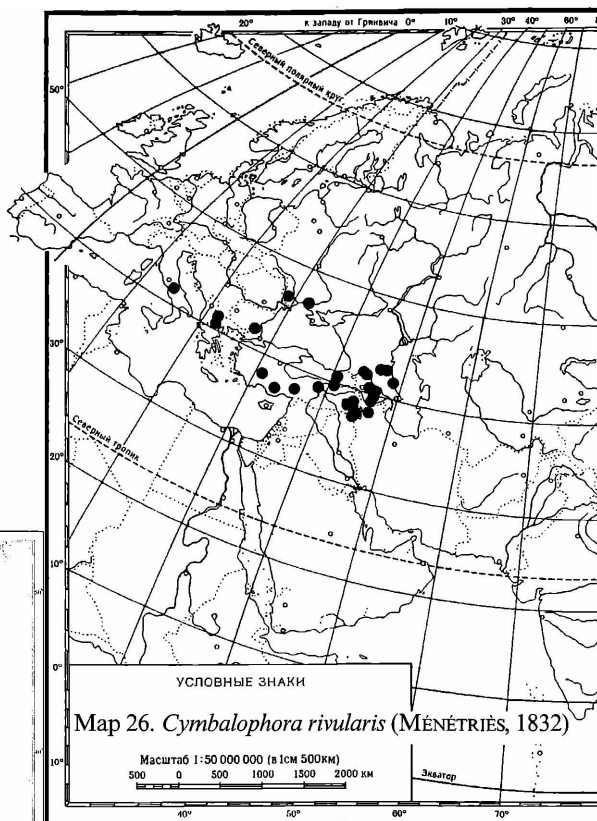
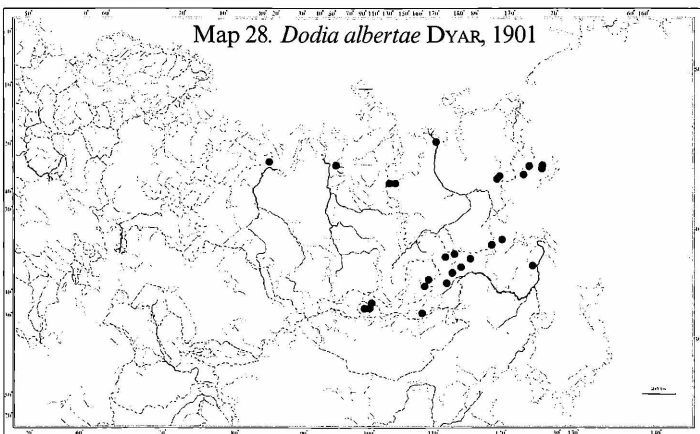
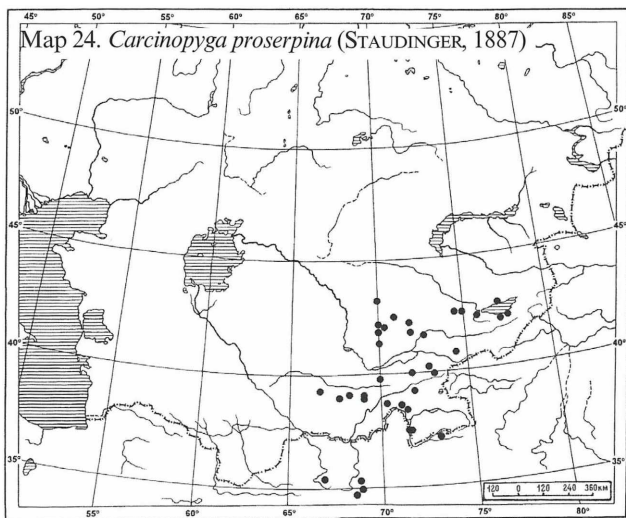




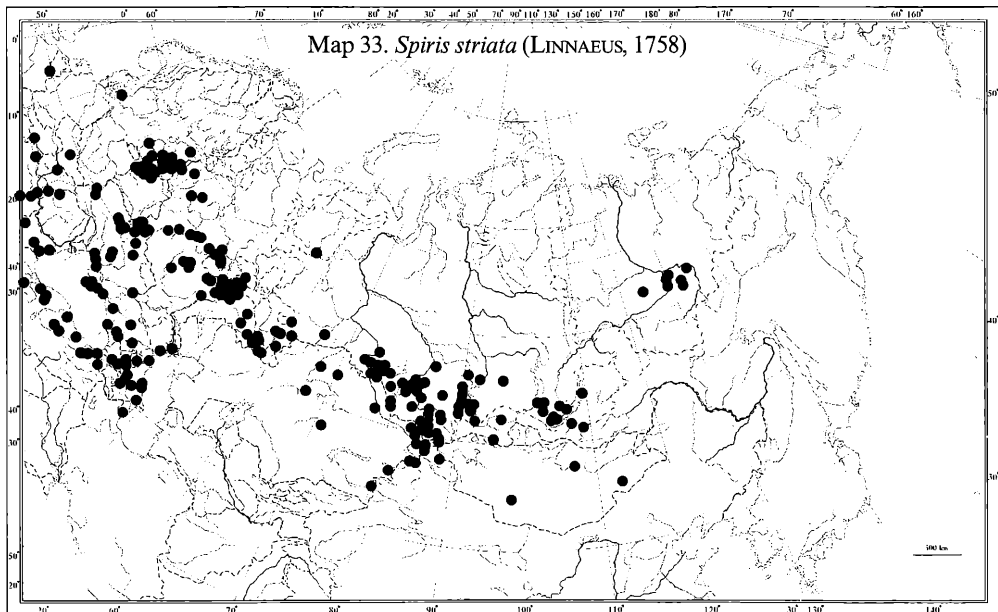
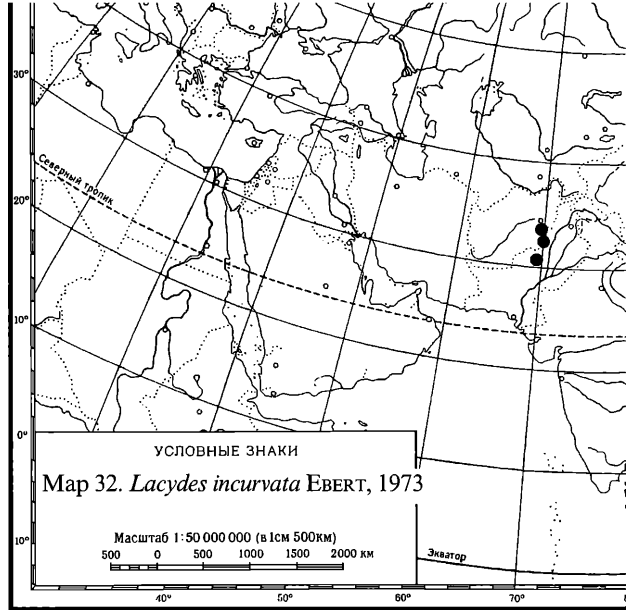
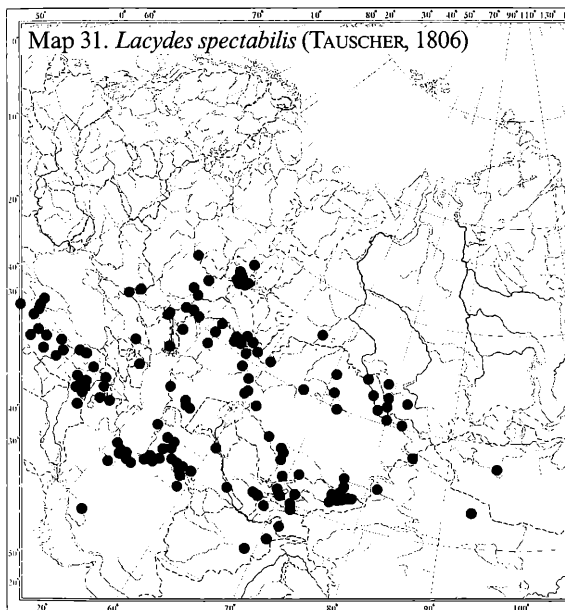
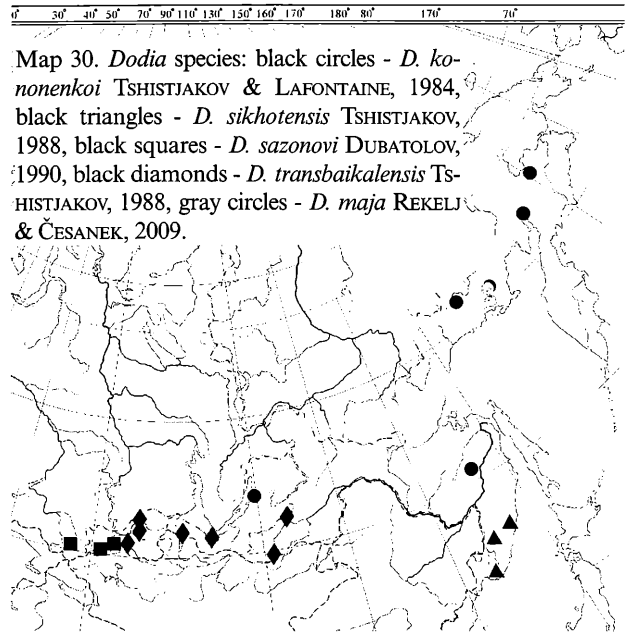
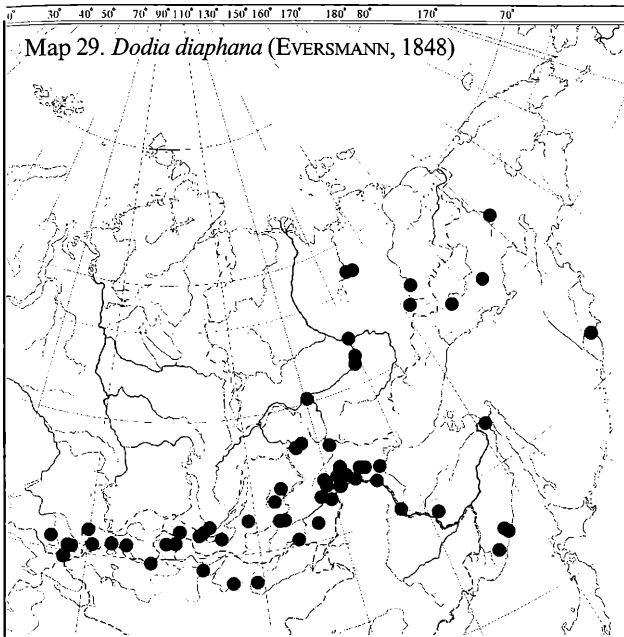
● *Euleechia pratti*

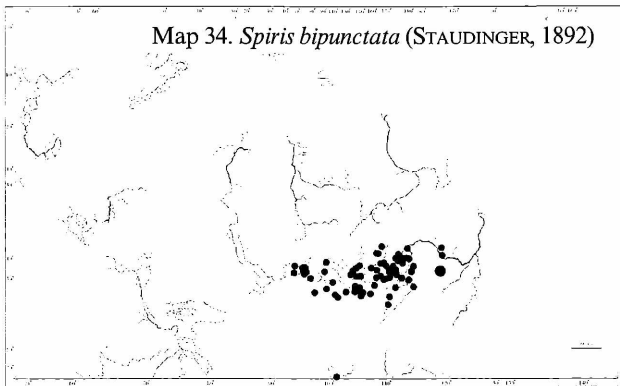
● *Euleechia arisana*



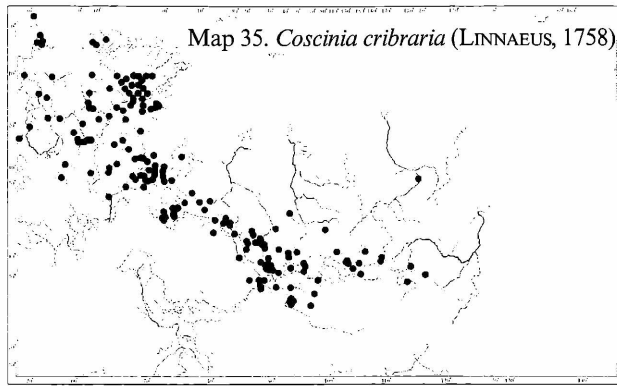




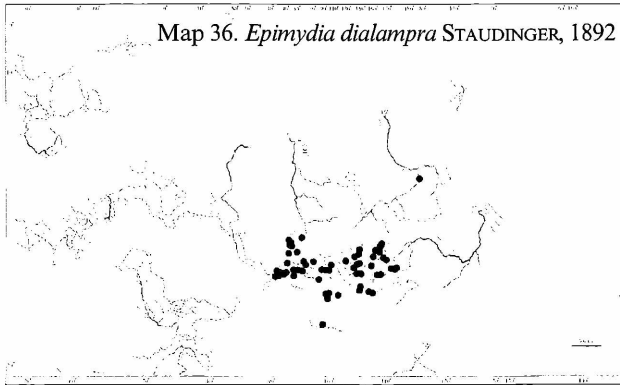




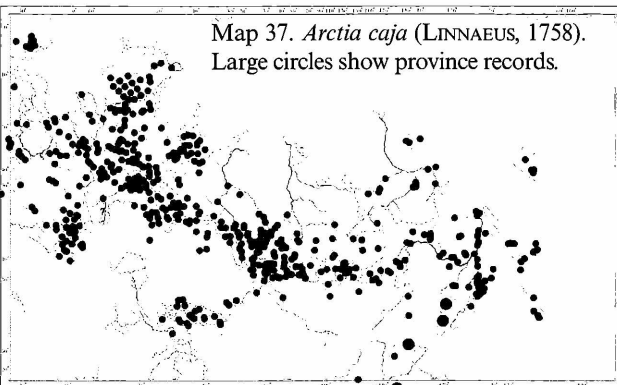
Map 34. *Spiris bipunctata* (STAUDINGER, 1892)



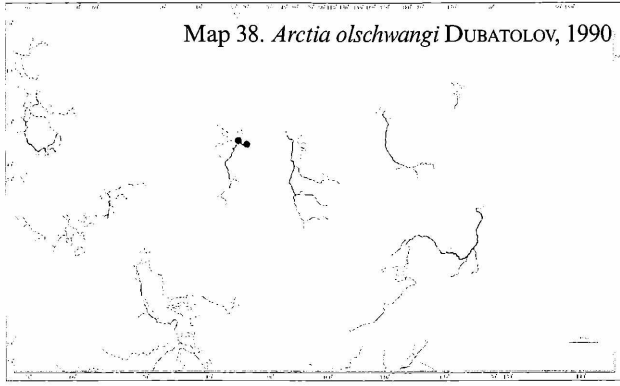
Map 35. *Coscinia cribraria* (LINNAEUS, 1758)



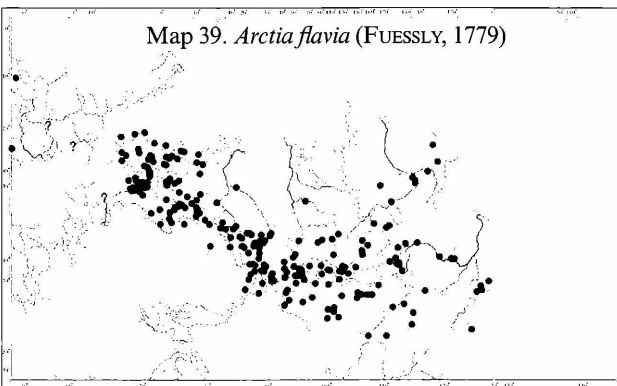
Map 36. *Epimydia dialampra* STAUDINGER, 1892



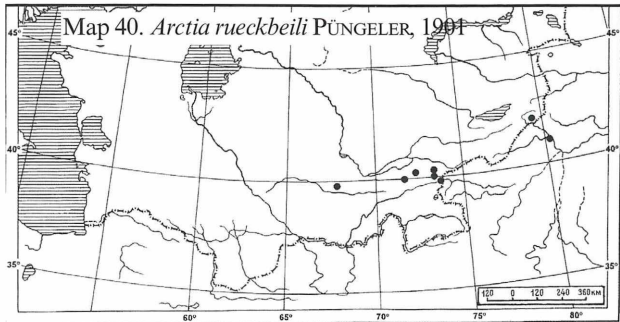
Map 37. *Arctia caja* (LINNAEUS, 1758).  
Large circles show province records.



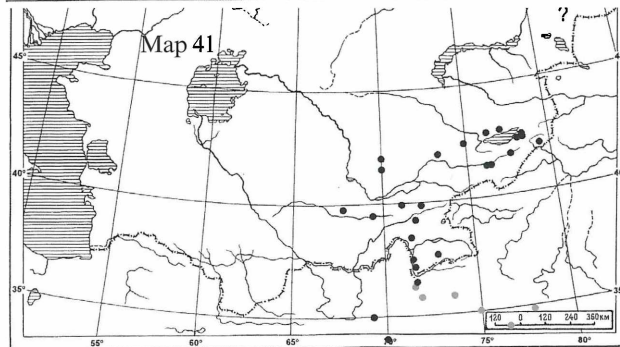
Map 38. *Arctia olschwangi* DUBATOLOV, 1990



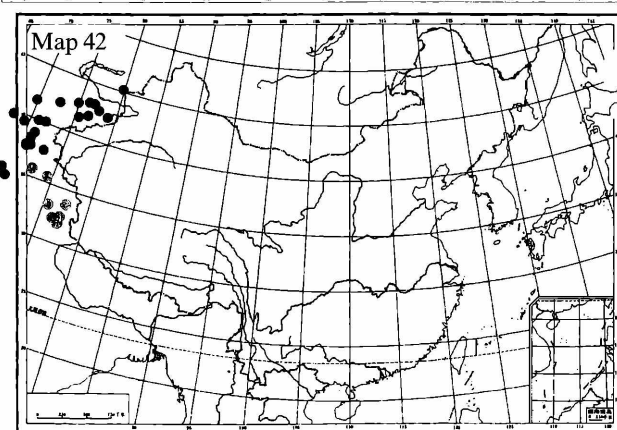
Map 39. *Arctia flavia* (FUESSLY, 1779)



Map 40. *Arctia rueckbeili* PÜNGELER, 1901

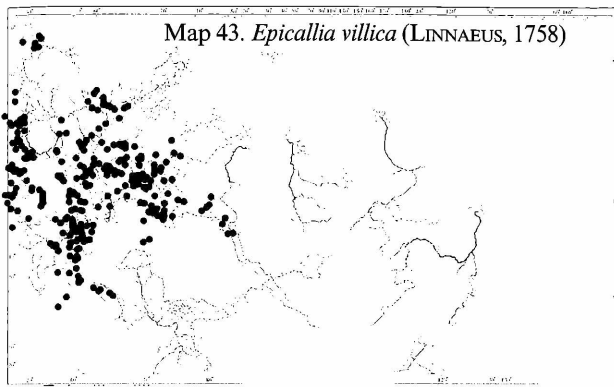


Map 41

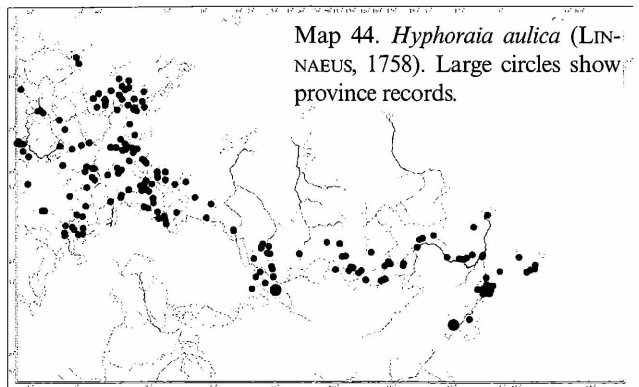


Map 42. *Arctia intercalaris* (EVERSMANN, 1843) at the Chinese territory. Gray circles show the distribution of *A. i. thibetica* C. & R. FELDER, 1874 semispecies.

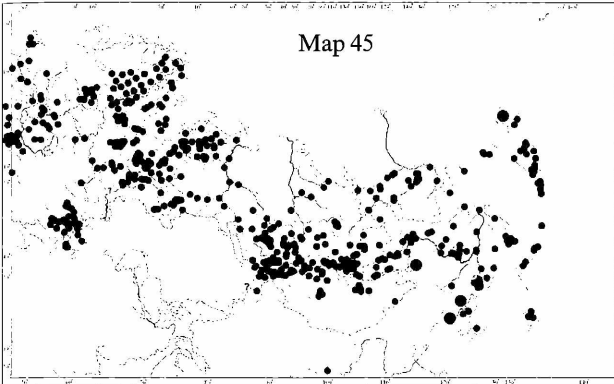
Map 41. *Arctia intercalaris* (EVERSMANN, 1843) in Middle Asia. The question mark shows the doubtful type locality of the species. Gray circles show distribution of *A. i. thibetica* C. & R. FELDER, 1874 semispecies.



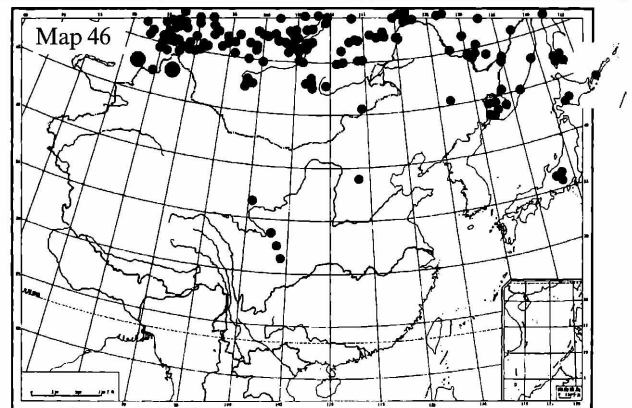
Map 43. *Epicallia villica* (LINNAEUS, 1758)



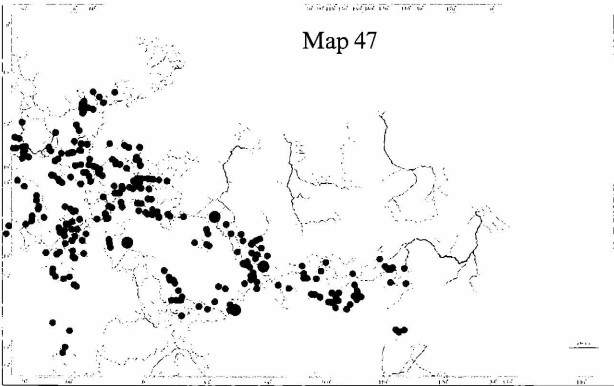
Map 44. *Hyphoraia aulica* (LINNAEUS, 1758). Large circles show province records.



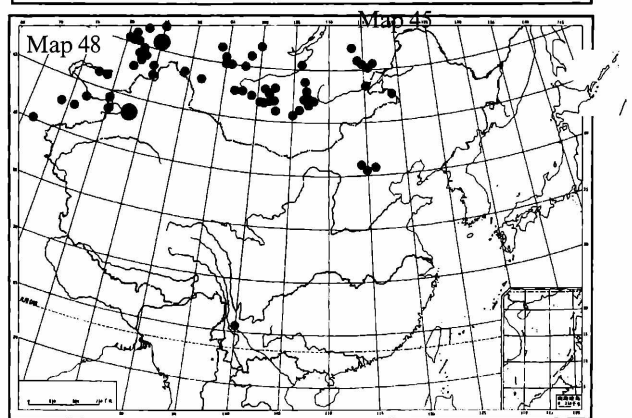
Map 45



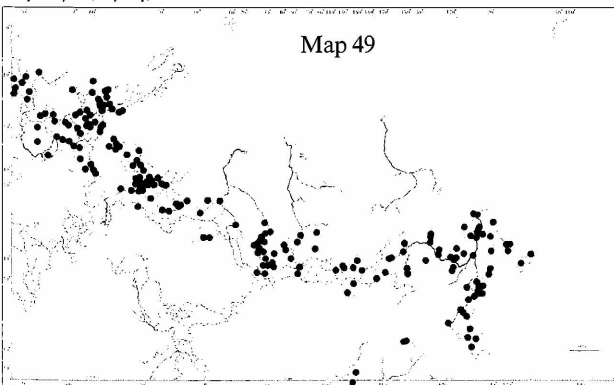
Map 46



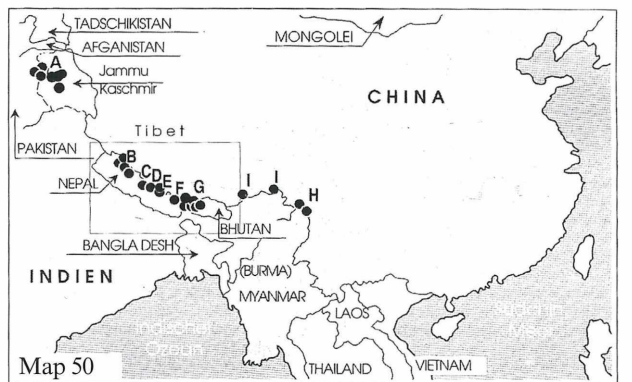
Map 47



Map 48



Map 49



Map 50

Map 45. *Parasemia plantaginis* (LINNAEUS, 1758) in North Eurasia. Large circles show province and unparticular records.

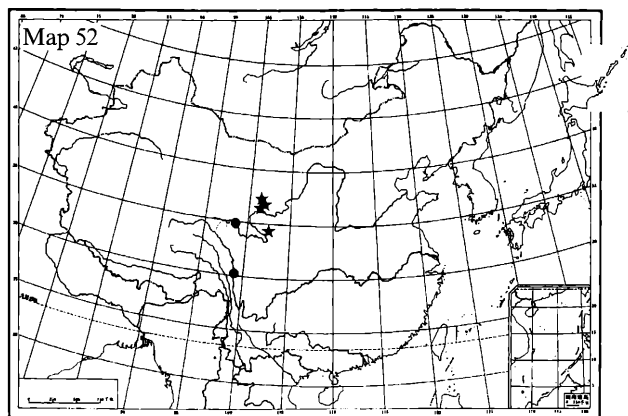
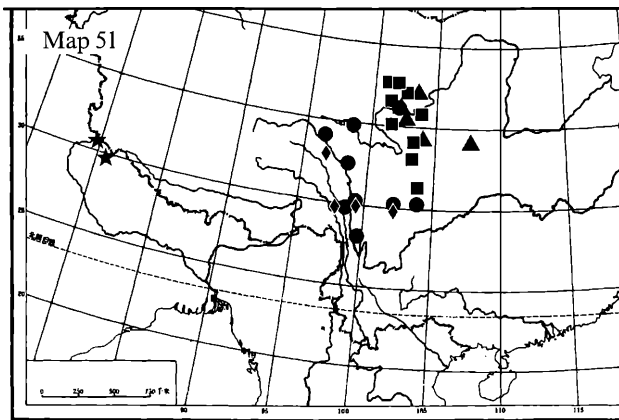
Map 46. *Parasemia plantaginis* (LINNAEUS, 1758) in China. Large circles show unparticular records.

Map 47. *Eucharis festiva* (Hufnagel, 1766) in North Eurasia.

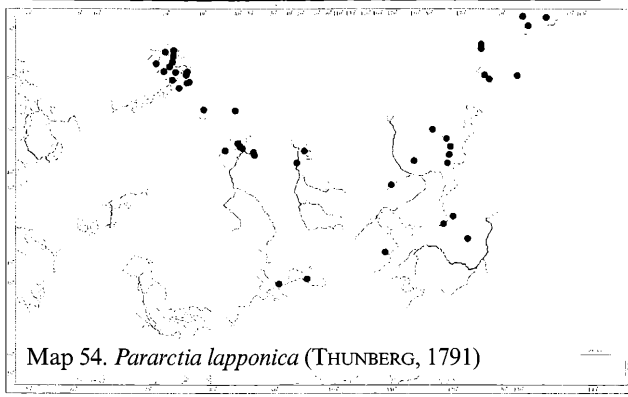
Map 48. *Eucharis festiva* (Hufnagel, 1766) in China. Large circles show unparticular records.

Map 49. *Pericallia matronula* (LINNAEUS, 1758)

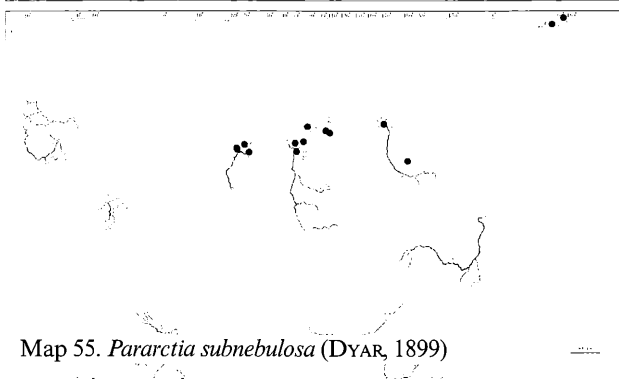
Map 50. *Gonerda* species, from: DE FREINA (1999) with additions: A - *G. perornata* MOORE, 1879, B - *G. kale* KISHIDA, 1995, C - *G. euphrosyne* KISHIDA, 1995, E - *G. auxo* KISHIDA, 1995, D - *G. aglaja* KISHIDA, 1995, F - *G. thaleia* KISHIDA, 1995, G - *G. bretaudeaui* OBERTHÜR, 1896, H - *G. watsoni* THOMAS, 1987, I - *G. gloria* DE FREINA, 1999.



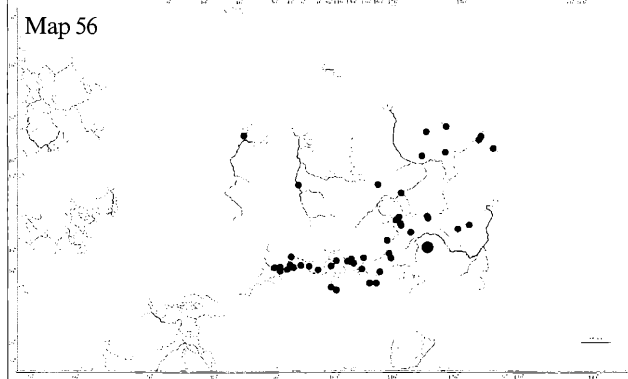
Map 53. *Borearctia menetriesii* (EVERSMANN, 1846). Large circles show unparticular records.



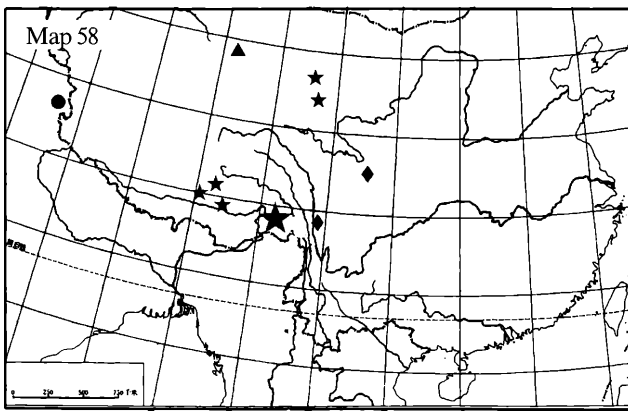
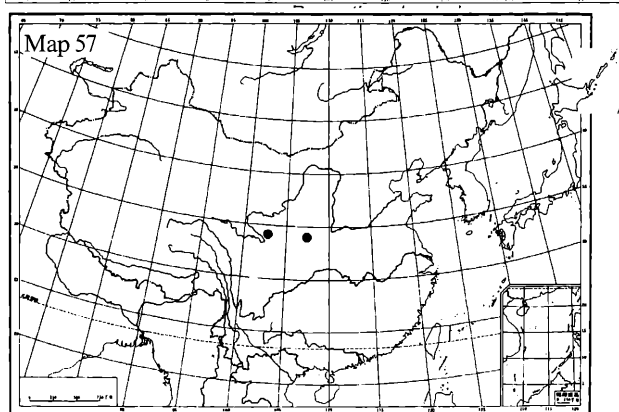
Map 54. *Pararctia lapponica* (THUNBERG, 1791)



Map 55. *Pararctia subnebulosa* (DYAR, 1899)



Map 56



Map 58

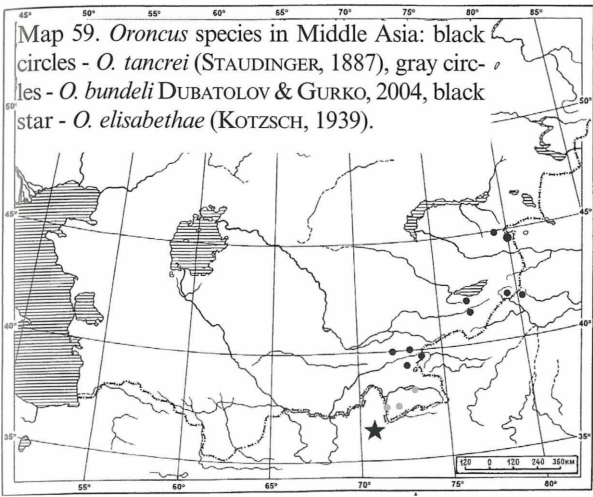
Map 51. *Preparctia* species: black circles - *P. mirifica* (OBERTHÜR, 1892), black squares - *P. romanovi* (GRUM-GRSHIMAILO, 1891), black diamonds - *P. allardi* (OBERTHÜR, 1911), black triangles - *P. buddenbrocki* KOTZSCH, 1929, black 5-end stars - *P. hamnyngtoni* HAPMSPON, 1910, gray 6-end star - *P. cupido* KISHIDA, 1995.

Map 52. *Sinoarctia* species: black circle - *S. forsteri* (DANIEL, 1943), black stars - *S. sieversi* (GRUM-GRSHIMAILO, 1891), gray circles - *S. kasnakovi* DUBATOLOV, 1987.

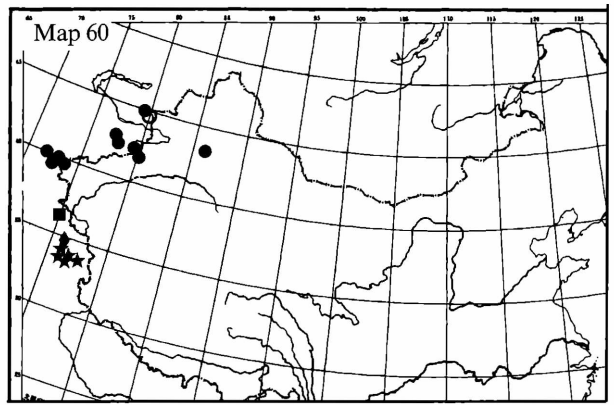
Map 56. *Platarctia ornata* (STAUDINGER, 1896). Large circle shows an unparticular record in Heilongjiang (China).

Map 57. *Platarctia* species in China: black circles - *O. murzini* DUBATOLOV, 2005, gray circle - *P. souliei* (OBERTHÜR, 1903).

Map 58. *Orontobia* and *Palerontobia* species: black circles - *O. taglangla* DE FREINA, 1997, gray circles - *O. mooseri* DE FREINA, 1997, black 5-end stars - *O. secreta* (DRAUDT, 1931), black triangles - *O. coelestina* (PÜNGELER, 1904), black diamonds - *O. murzini* Dubatolov, 2005, gray 6-end star - *P. kozlovi* DUBATOLOV, 2008. The large star shows several unparticular records in eastern Tibet.



Map 59. *Oroncus* species in Middle Asia: black circles - *O. tancrei* (STAUDINGER, 1887), gray circles - *O. bundeli* DUBATOLOV & GURKO, 2004, black star - *O. elisabethae* (KOTZSCH, 1939).



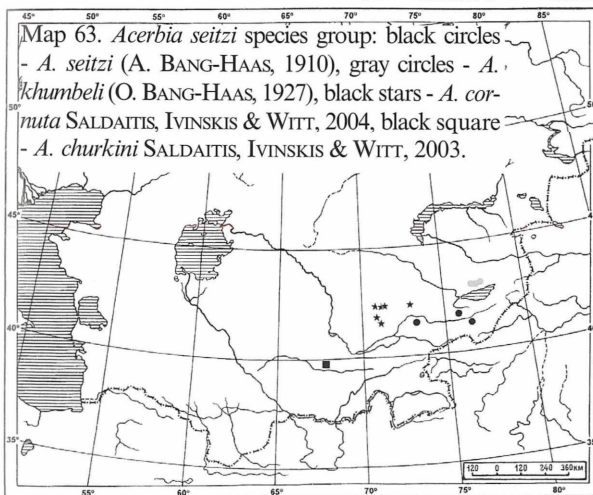
Map 60



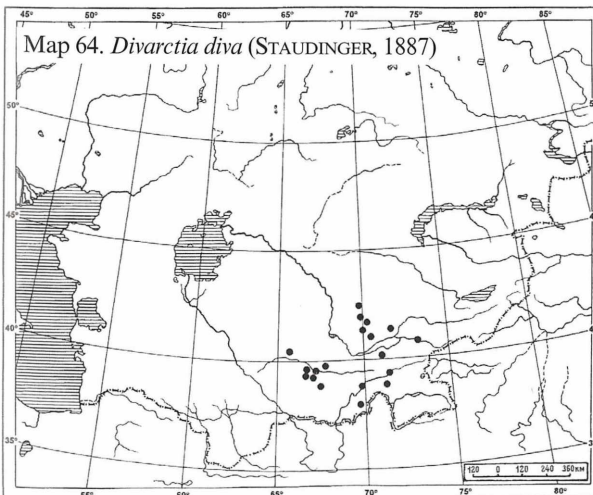
Map 62. *Acerbia kolpakofskii* (ALPHERAKY, 1882)



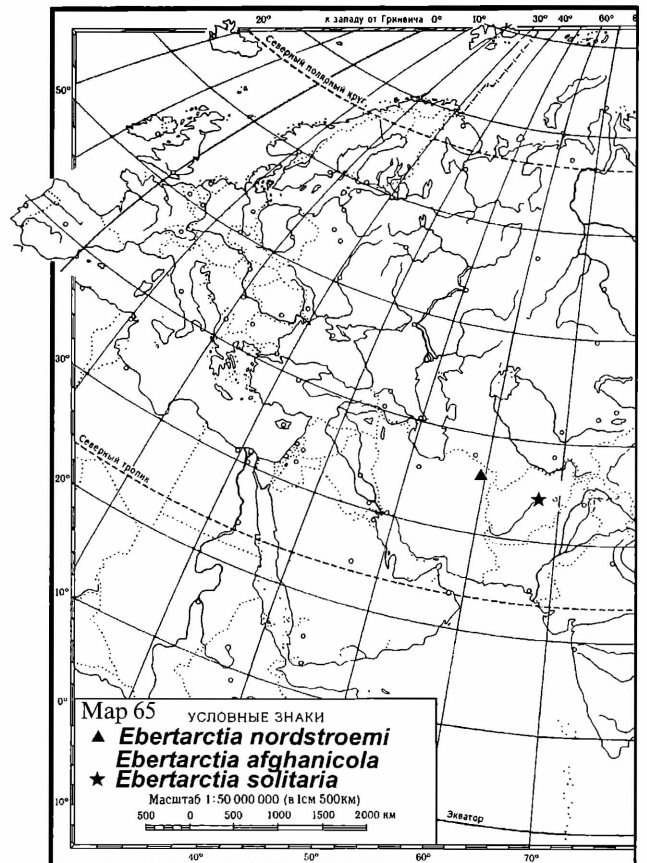
Map 61. *Acerbia alpina* (QUENSEL, 1802). Large circle shows an unparticular record.



Map 63. *Acerbia seitzi* species group: black circles - *A. seitzi* (A. BANG-HAAS, 1910), gray circles - *A. khumbeli* (O. BANG-HAAS, 1927), black stars - *A. cornuta* SALDAITIS, IVINSKIS & WITT, 2004, black square - *A. churkini* SALDAITIS, IVINSKIS & WITT, 2003.



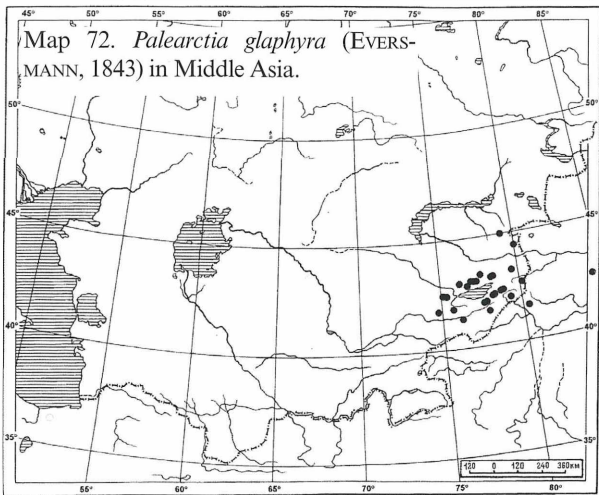
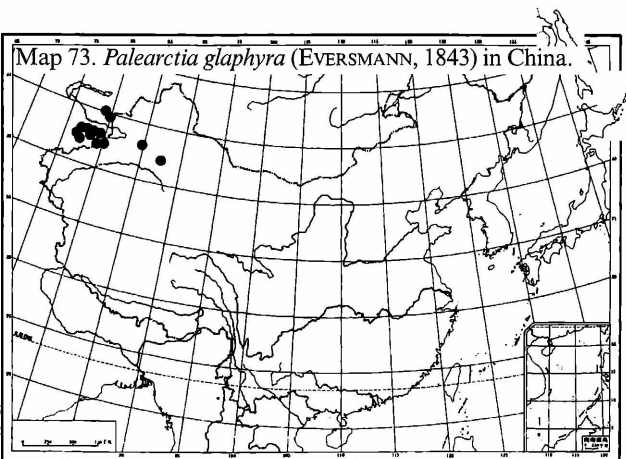
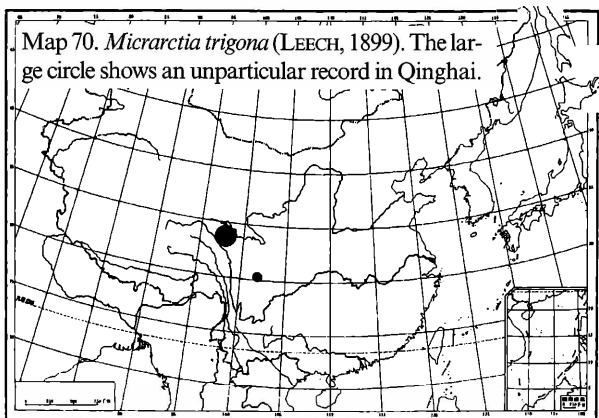
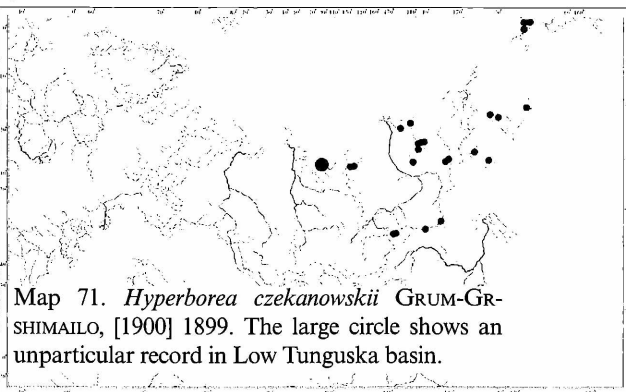
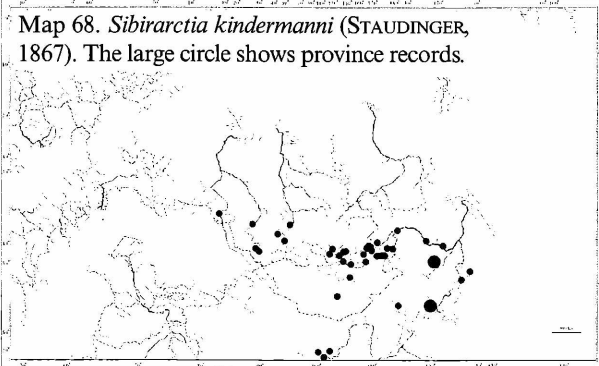
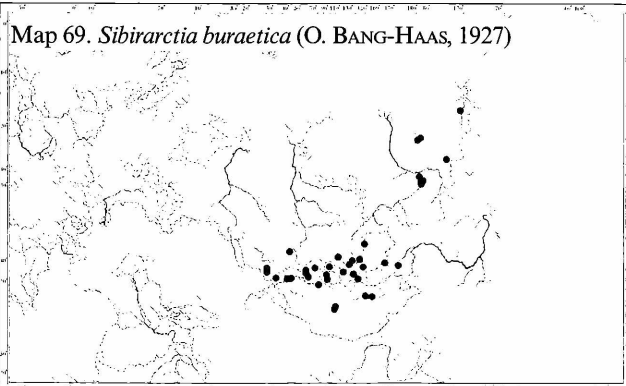
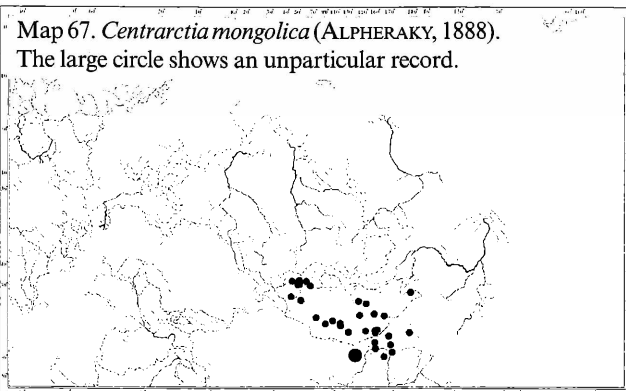
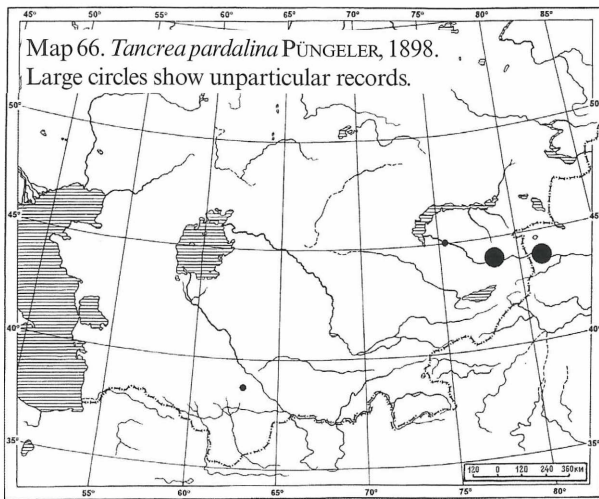
Map 64. *Divarctia diva* (STAUDINGER, 1887)

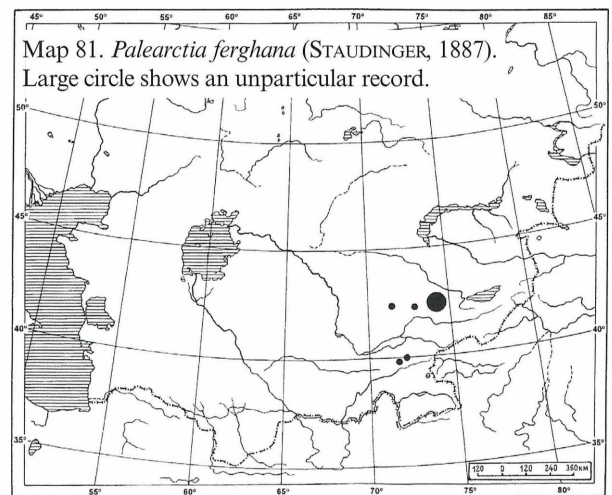
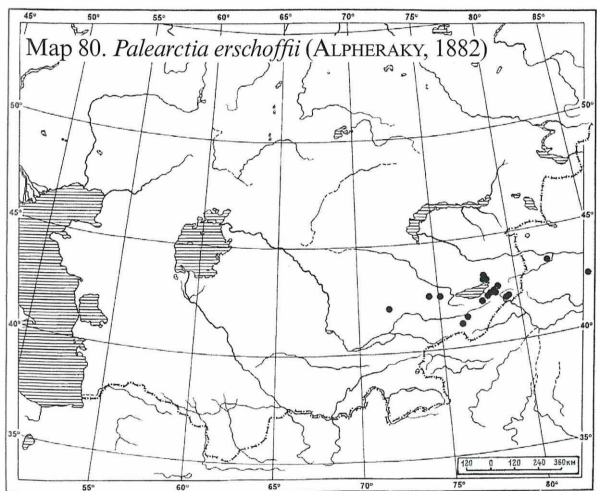
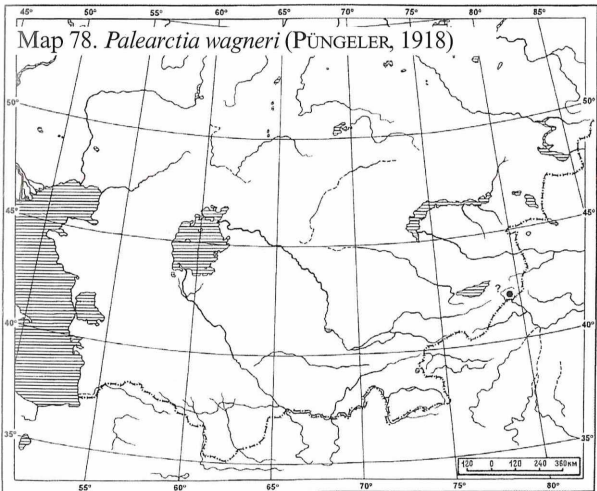
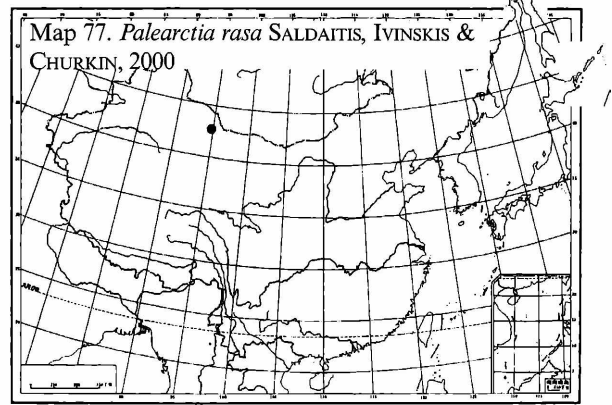
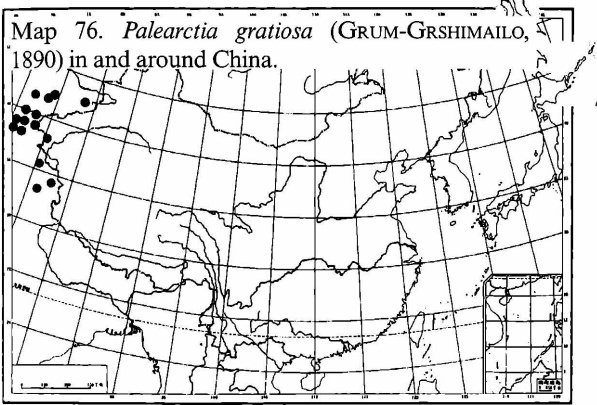
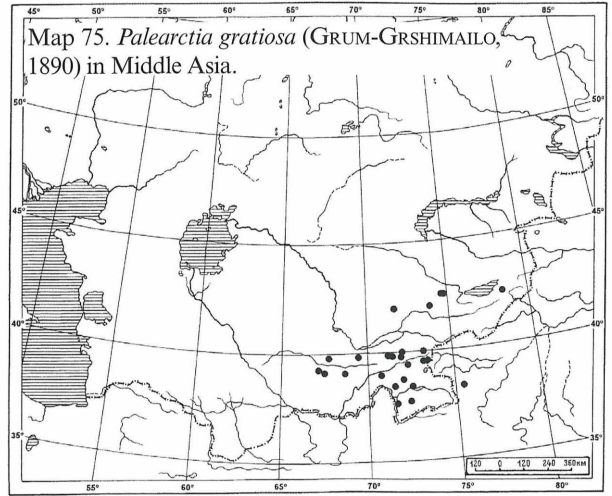


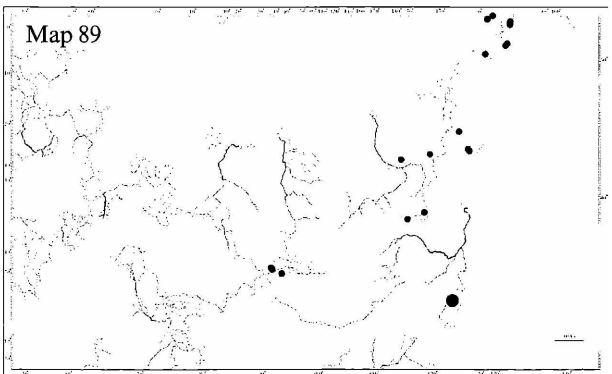
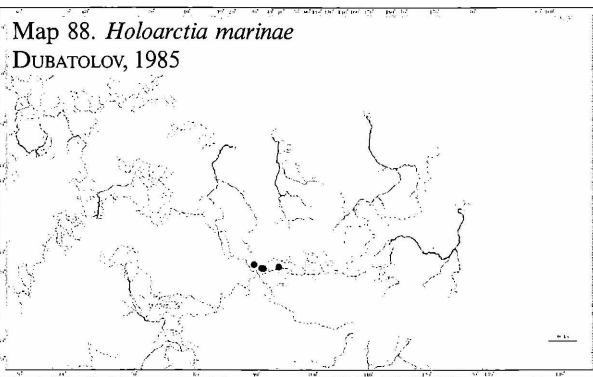
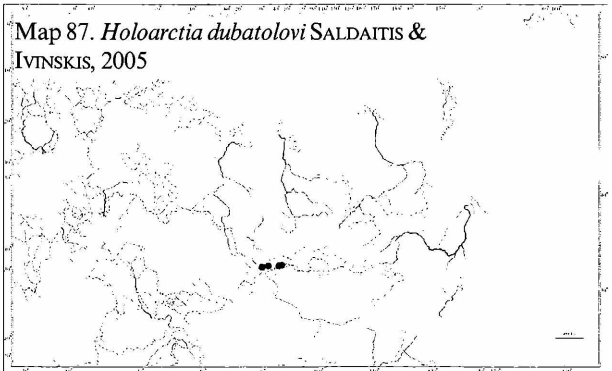
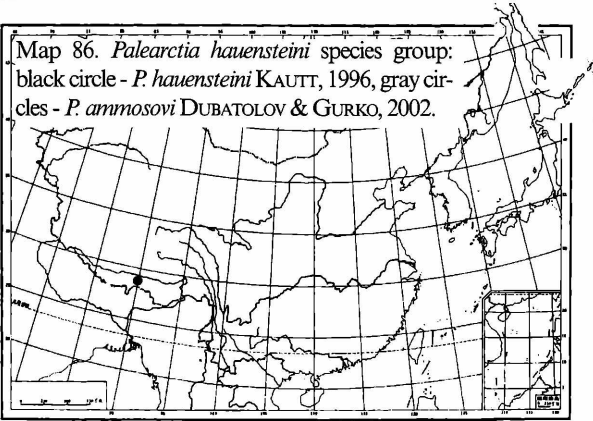
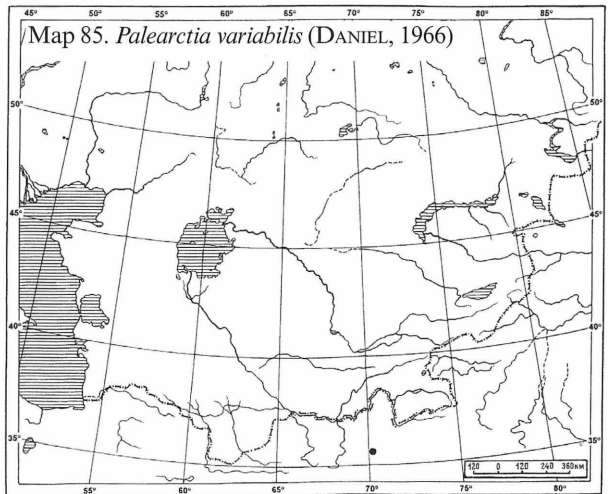
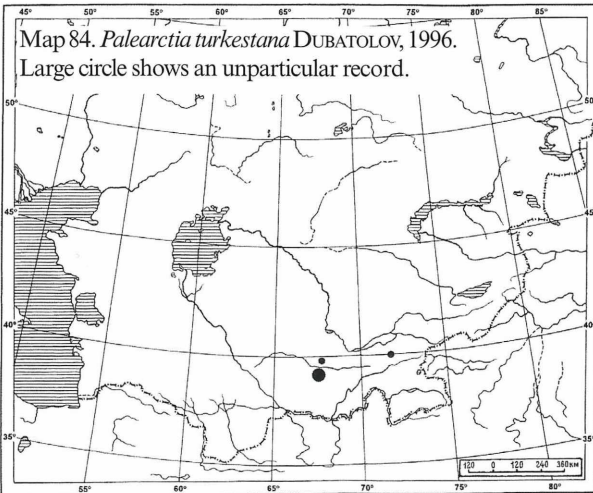
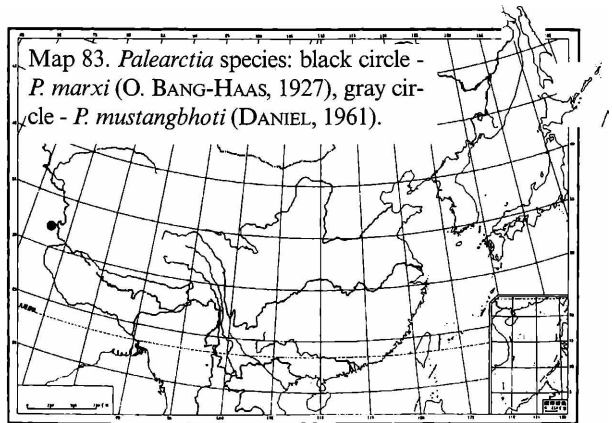
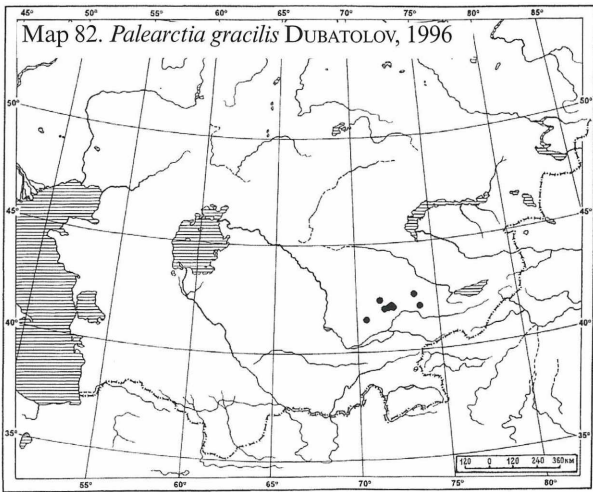
Map 65 УСЛОВНЫЕ ЗНАКИ  
 ▲ *Ebertarctia nordstroemi*  
 ● *Ebertarctia afghanicola*  
 ★ *Ebertarctia solitaria*  
 Масштаб 1:50 000 000 (в том 500км)  
 500 0 500 1000 1500 2000 км

Map 60. *Oroncus* species at China's territory: *O. tancrei* (STAUDINGER, 1887), gray circles - *O. bundeli* DUBATOLOV & GURKO, 2004, black square - *O. weigerti* (DE FREINA & WITT, 1985), black diamond - *O. gurkoi* DUBATOLOV, 2004, black stars - *O. ladakensis* O. BANG-HAAS, 1927.

Map 65. *Ebertarctia* species: black triangle - *E. nordstroemi* (BRANDT, 1947), black star - *E. solitaria* (EBERT, 1974), gray circles - *E. afghanicola* (EBERT, 1974).

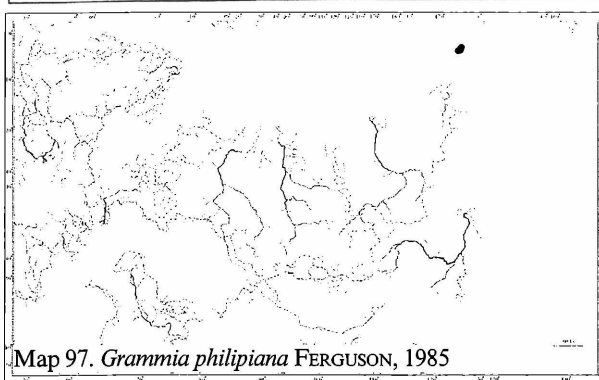
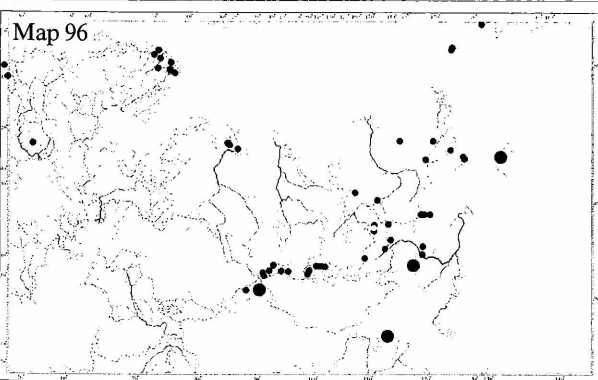
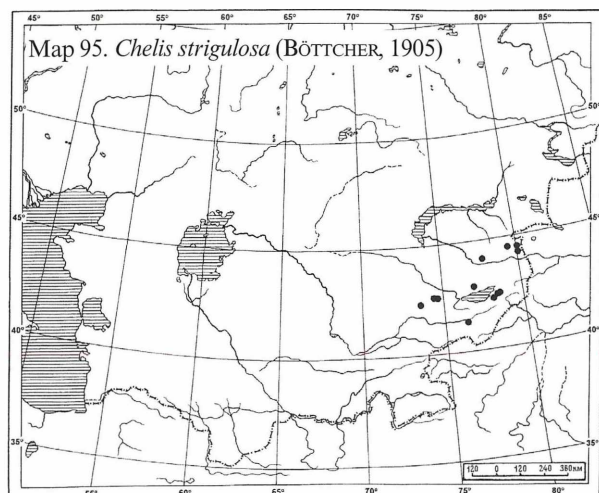
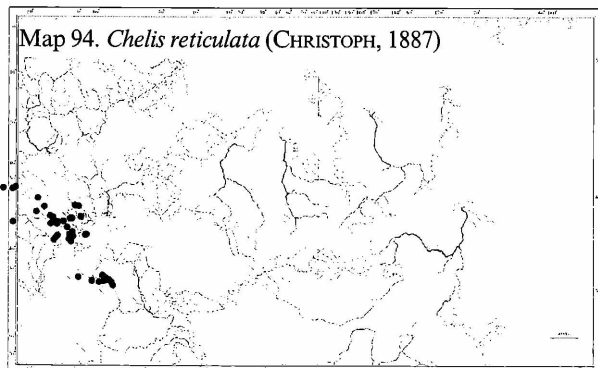
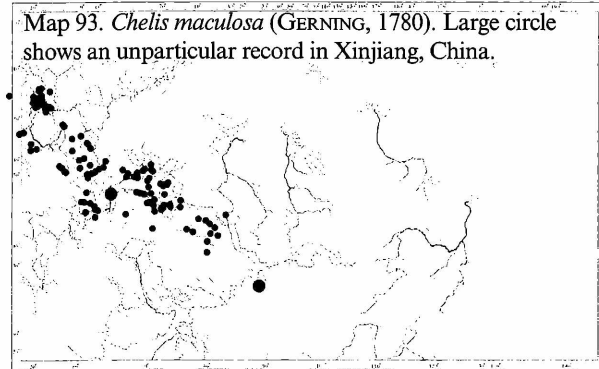
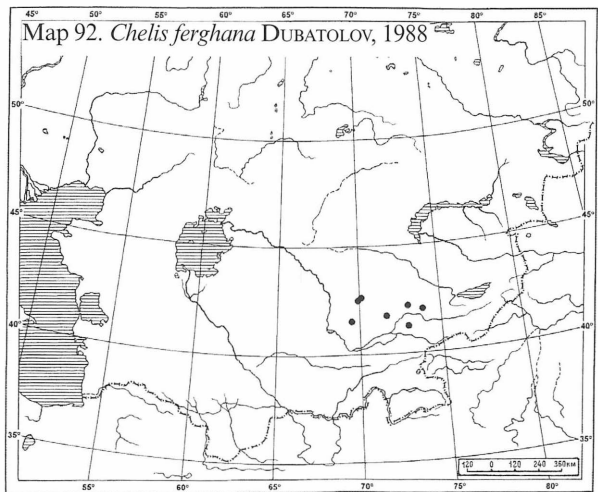
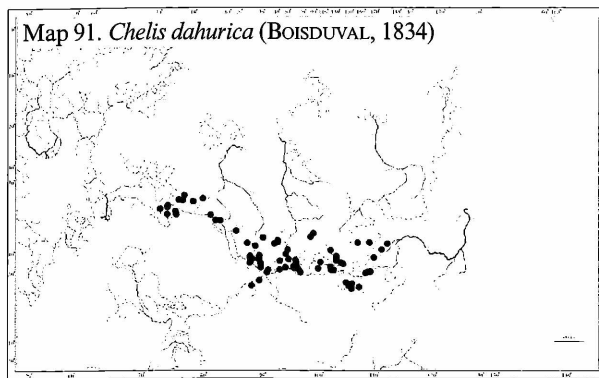
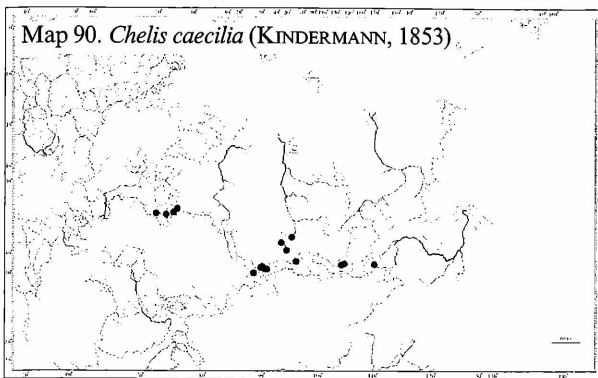






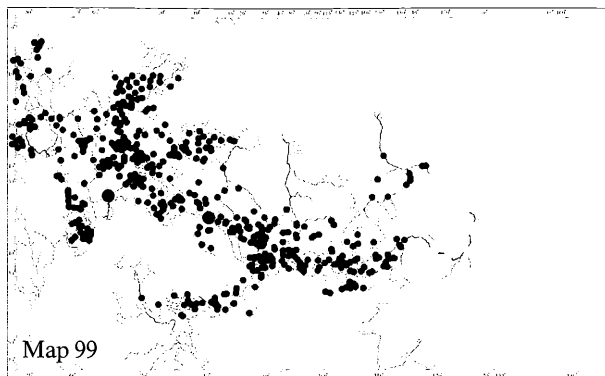
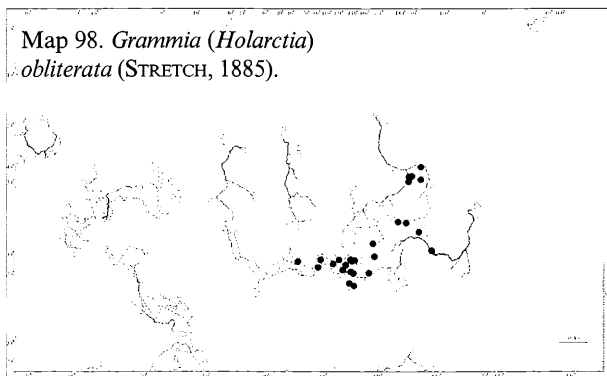
Map 89. *Holoarctia puengeleri* (O. BANG-HAAS, 1927). Large circle shows an unparticular record in Korea.





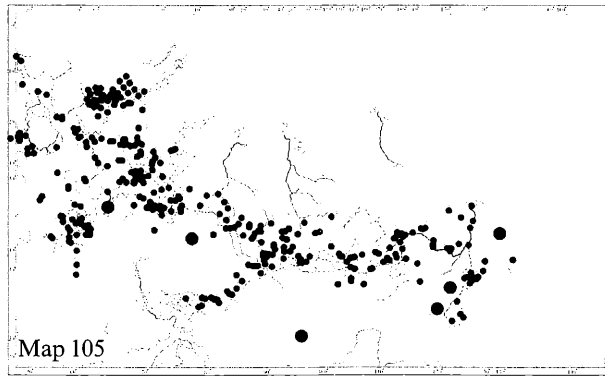
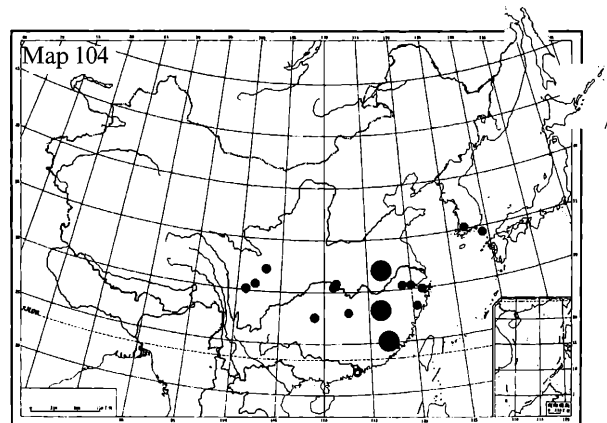
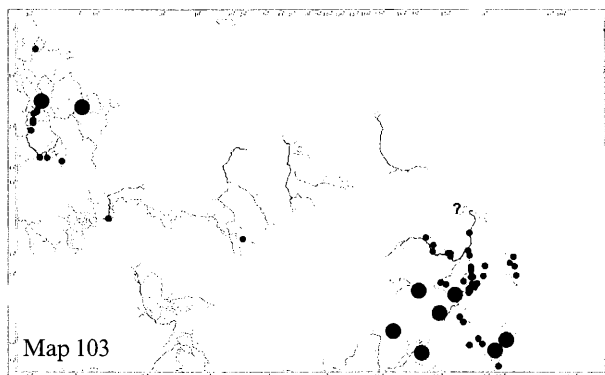
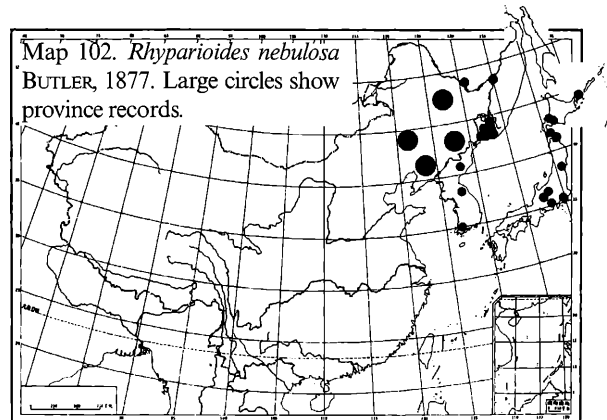
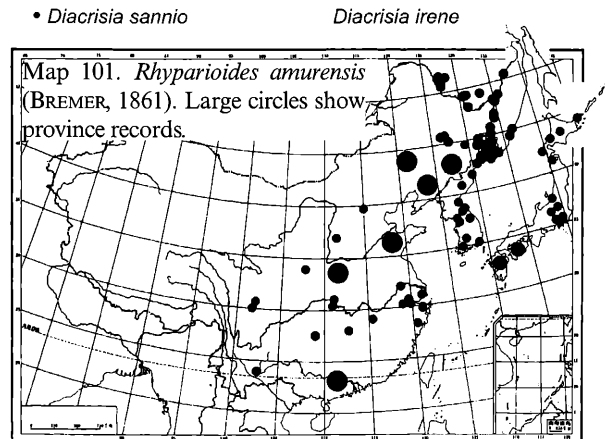
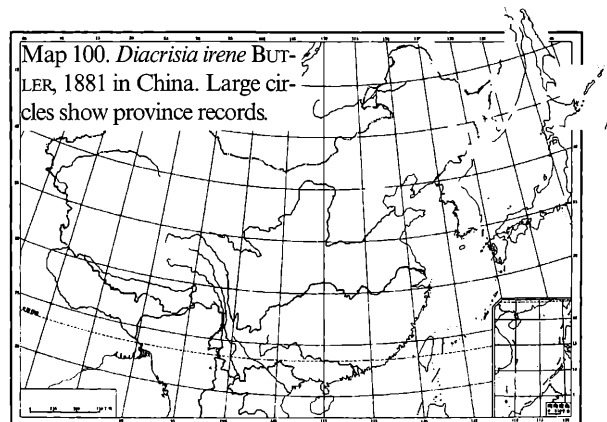
• *Grammia quenseli*      *Grammia kodara*

Map 96. *Grammia* species: black circles - *G. quenseli* (PAYKULL, 1793); gray circle - *G. kodara* DUBATOLOV & SCHMIDT, 2005. Large circles show unparticular records.



• *Diacrisia sannio*

*Diacrisia irene*

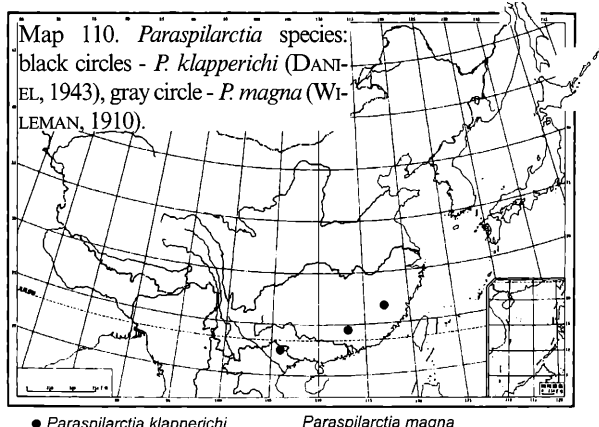
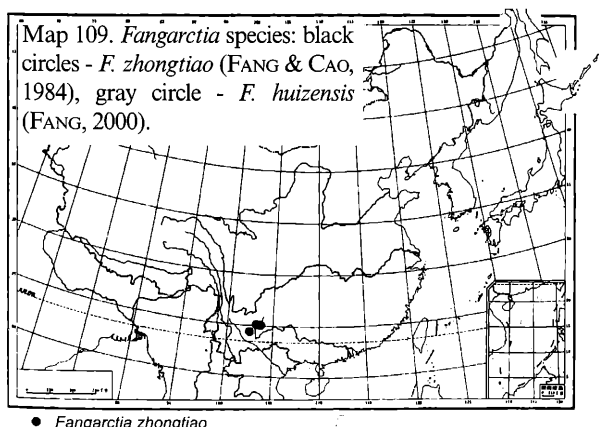
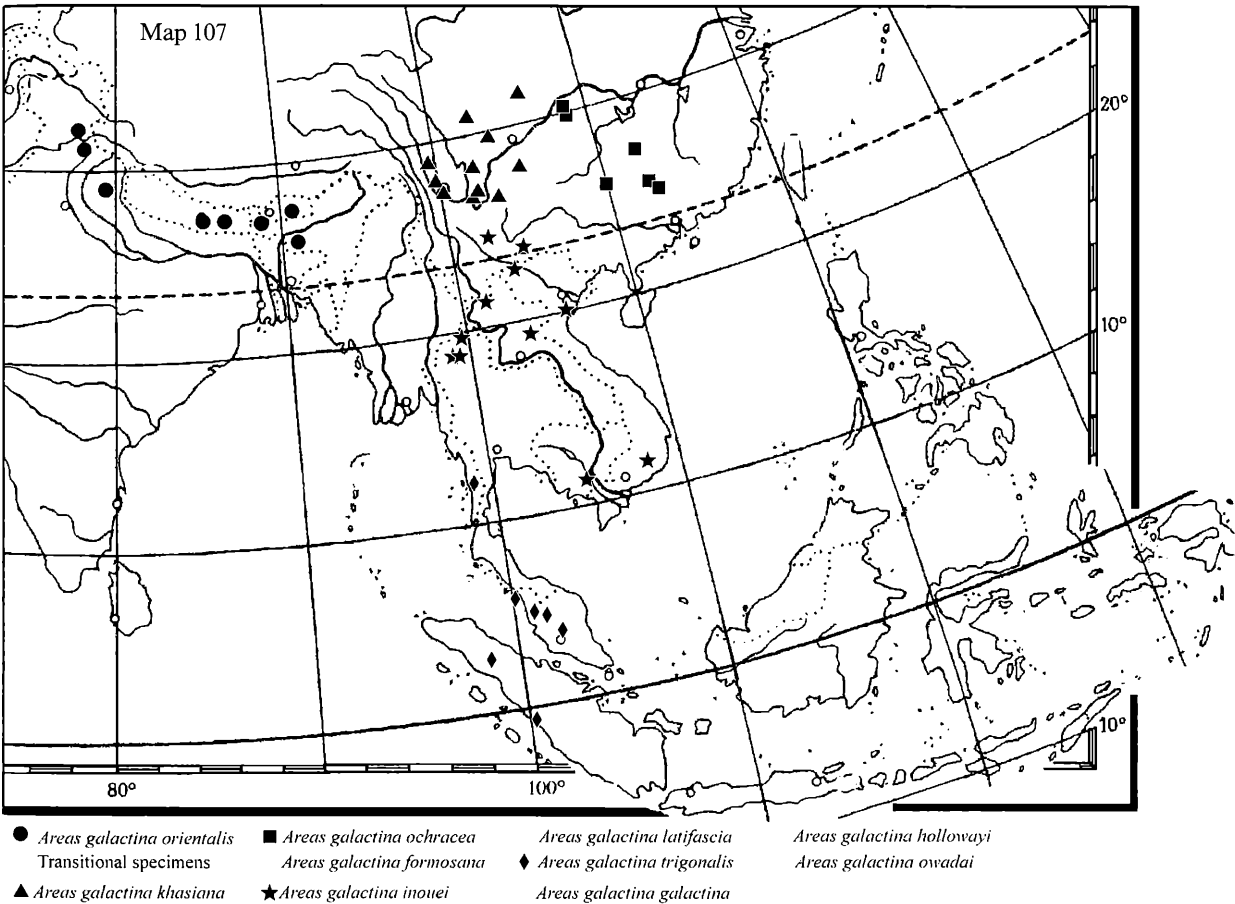
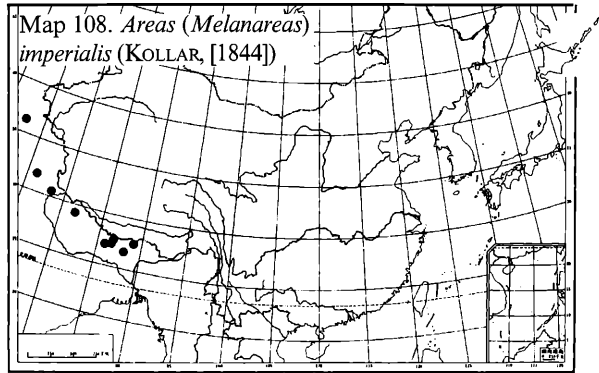
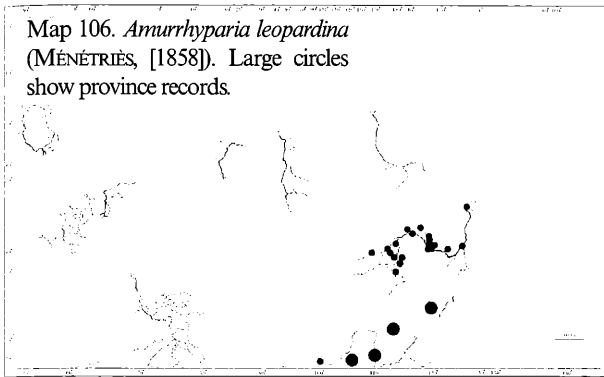


Map 99. *Diacrisia* species in North Eurasia: black circles - *D. sannio* (LINNAEUS, 1758), gray circles - *D. irene* BUTLER, 1881. Large circles show unparticular and province records.

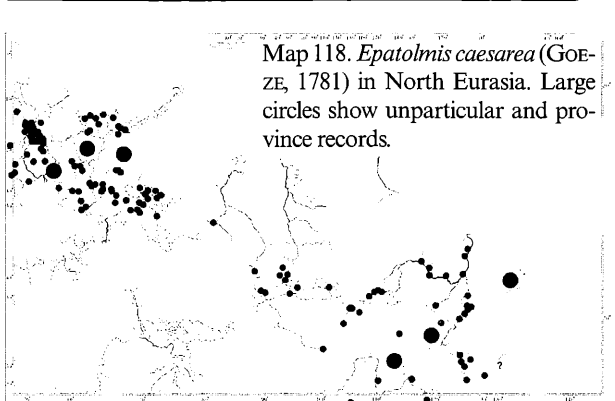
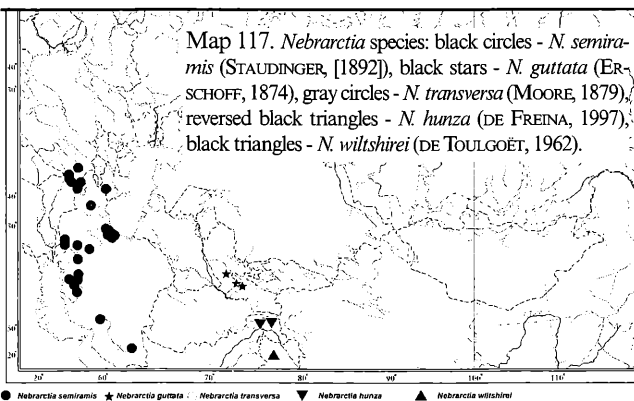
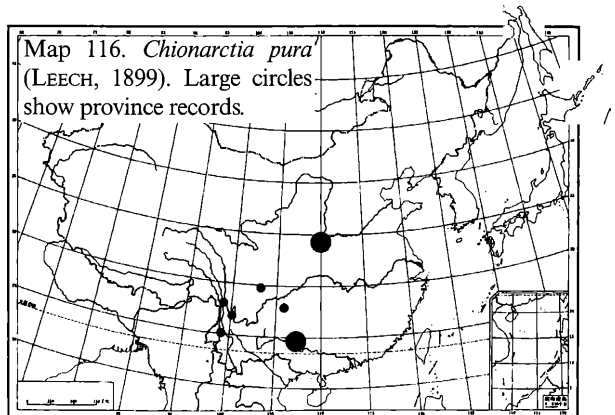
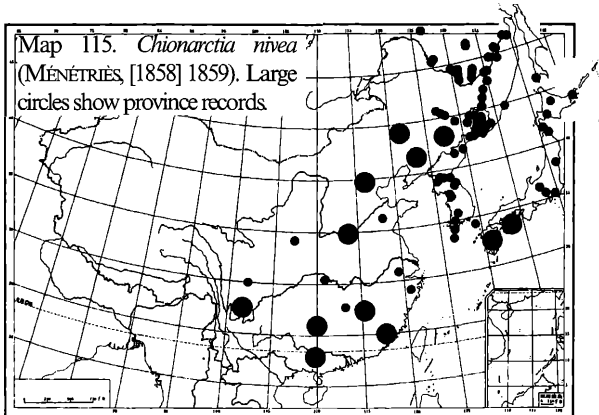
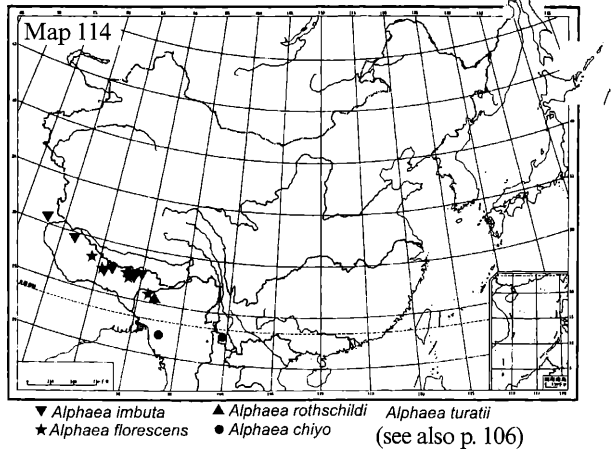
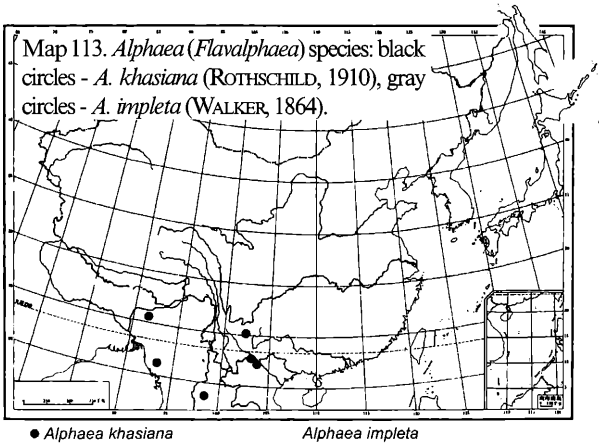
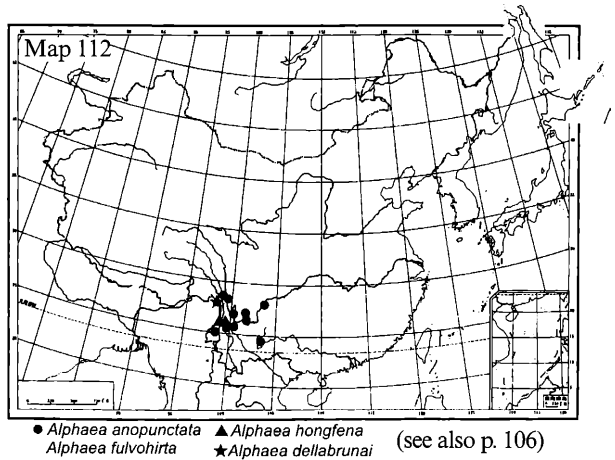
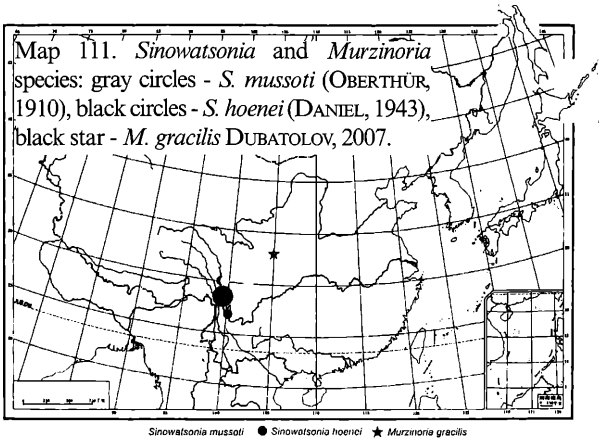
Map 103. *Rhyparioides metelkana* (LEDERER, 1861). Large circles show unparticular and province records. A question-mark show an unbelieveable record from Shantar islands.

Map 104. *Rhyparioides subvaria* (WALKER, 1855). Large circles show province records.

Map 105. *Rhyparia purpurata* (LINNAEUS, 1758). Large circles show unparticular and province records.

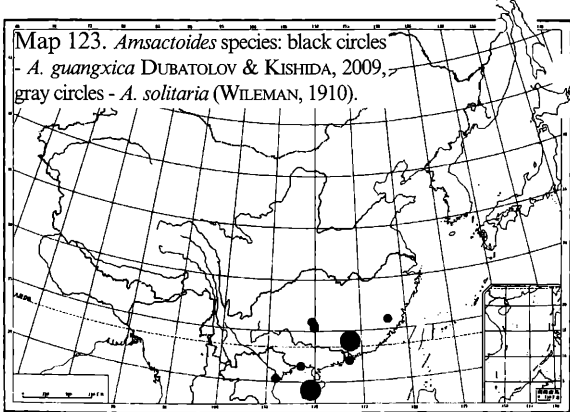
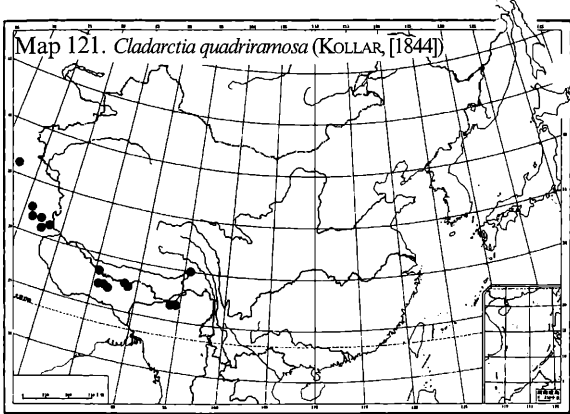
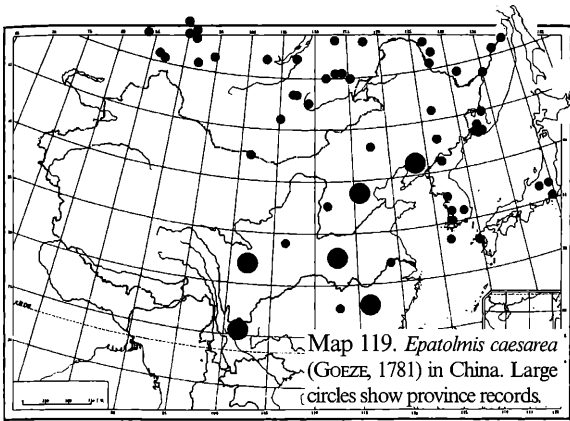


Map 107. *Areas galactina* (HOEVEN, 1840): black circles - *A. g. orientalis* WALKER, 1855, gray circles - transitional specimens from *A. g. orientalis* to *A. g. inouei*, black triangles - *A. g. khasiana* DANIEL, 1943, black squares - *A. g. ochracea* MELL, 1922, gray squares - *A. g. formosana* OKANO, 1960, black 5-end stars - *A. g. inouei* DUBATOLOV, HAYNES & KISHIDA, 2009, gray 6-end star - *A. g. latifascia* (ROTHSCHILD, 1933), black diamonds - *A. g. trigonalis* (SNELLEN VAN VOLLENHOVEN, 1863), gray diamonds - *A. g. galactina* (HOEVEN, 1840), gray 5-end stars - *A. g. hollowayi* DUBATOLOV, HAYNES & KISHIDA, 2009, gray triangles - *A. g. owadai* DUBATOLOV, HAYNES & KISHIDA, 2009.

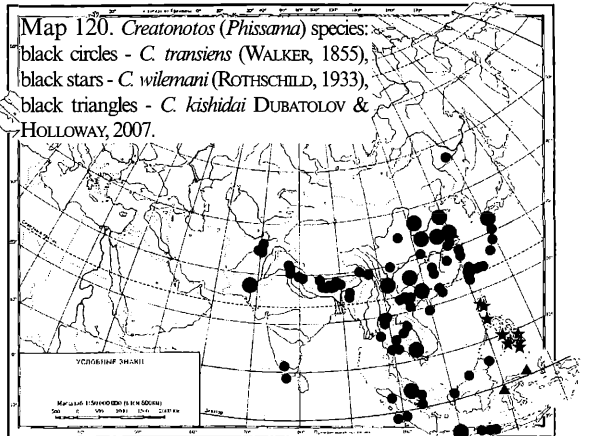


Map 112. *Alphaea* s. str. species: black circles - *A. anopunctata* (OBERTHÜR, 1911), gray circles - *A. fulvohirta* WALKER, 1855, black triangles - *A. hongfena* FANG, 1983, black stars - *A. dellabrunai* SALDAITIS & IVINSKIS, 2008.

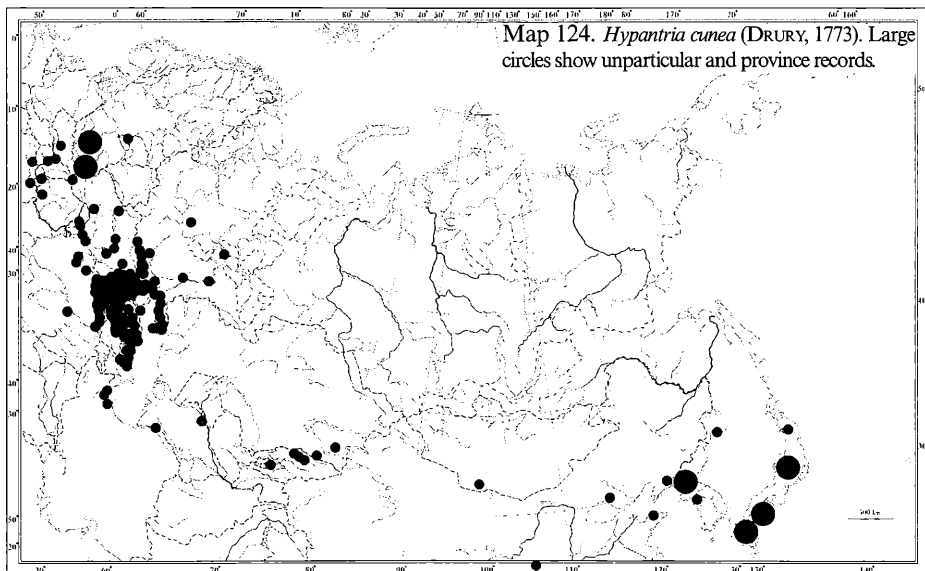
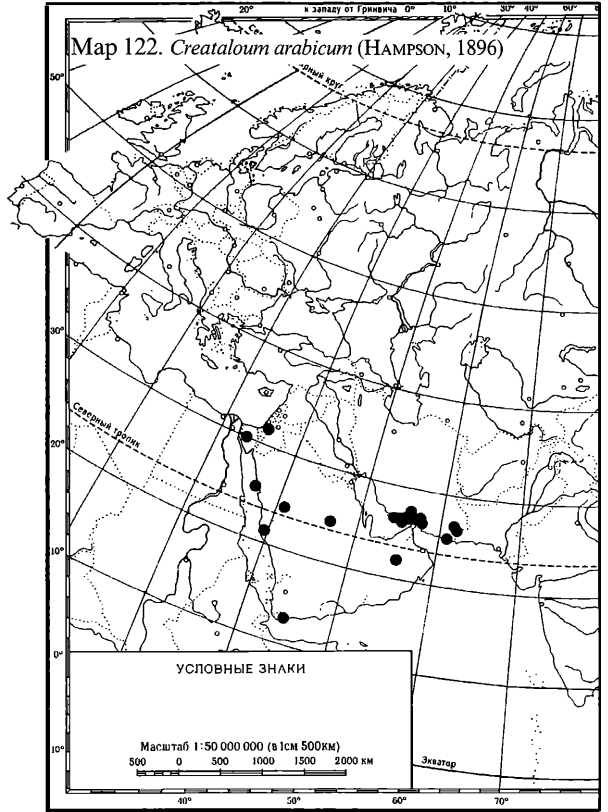
Map 114. *Alphaea* (*Nayaca*) species: reversed black triangles - *A. imbuta* (WALKER, 1855), black stars - *A. florescens* (MOORE, 1879), black triangles - *A. rothschildi* DUBATOLOV & KISHIDA, 2005, black circles - *A. chiyo* DUBATOLOV & KISHIDA, 2005, gray circles - *A. turatii* (OBERTHÜR, 1911).

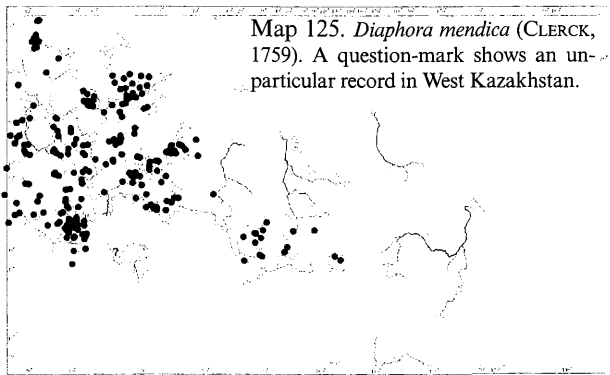


● *Amsactoides guangxica*      *Amsactoides solitaria*

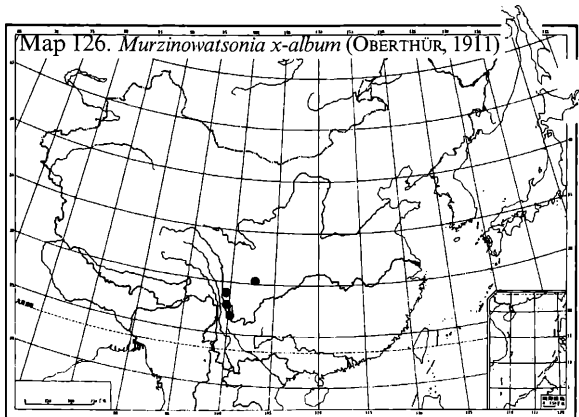


● *Creatonotos transiens*      ★ *Creatonotos wilemani*      ▲ *Creatonotos kishidai*

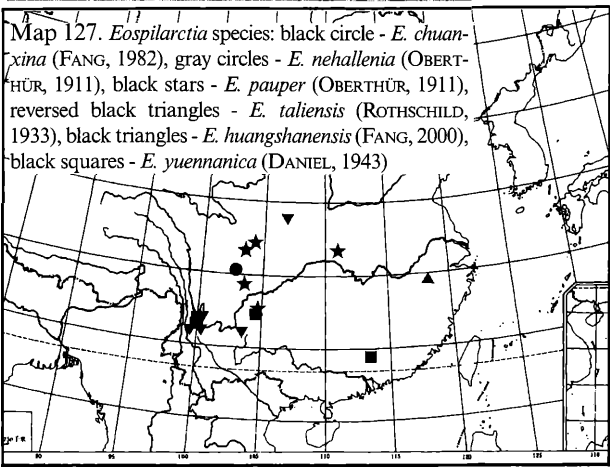




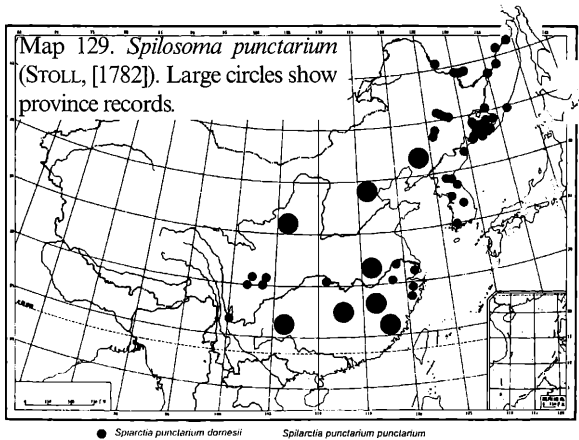
Map 125. *Diaphora mendica* (CLERCK, 1759). A question-mark shows an unparticular record in West Kazakhstan.



Map 126. *Murzinowatsonia x-album* (OBERTHÜR, 1911)

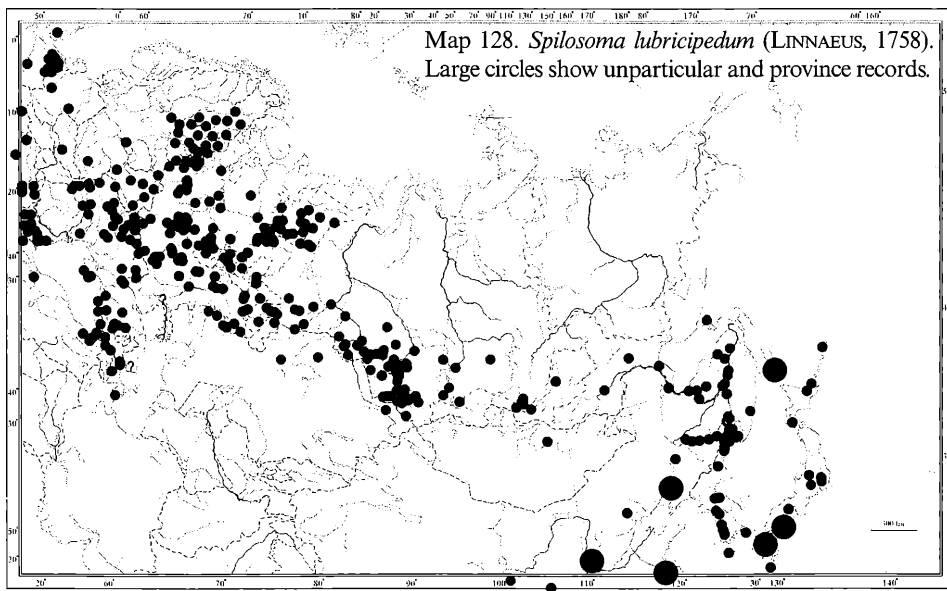


Map 127. *Eospilarctia* species: black circle - *E. chuanxina* (FANG, 1982), gray circles - *E. nehallenia* (OBERTHÜR, 1911), black stars - *E. pauper* (OBERTHÜR, 1911), reversed black triangles - *E. taliensis* (ROTHSCHILD, 1933), black triangles - *E. huangshanensis* (FANG, 2000), black squares - *E. yuennanica* (DANIEL, 1943)

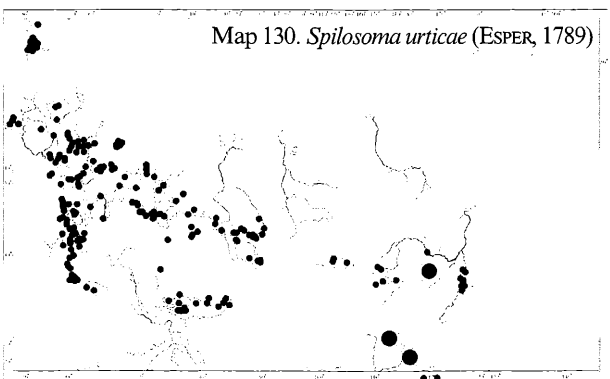


Map 129. *Spilosoma punctarium* (STOLL, [1782]). Large circles show province records.

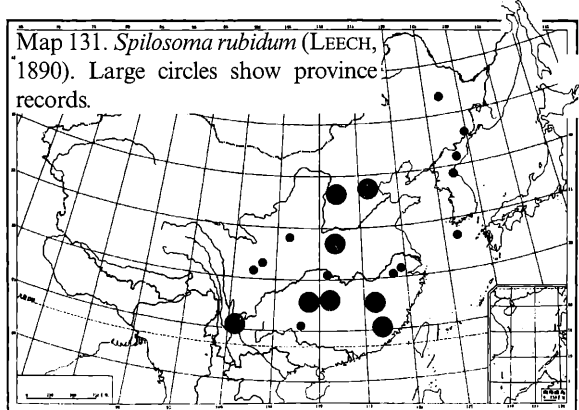
● *Spilarctia punctarium dornesi*      *Spilarctia punctarium punctarium*



Map 128. *Spilosoma lubricipedum* (LINNAEUS, 1758). Large circles show unparticular and province records.

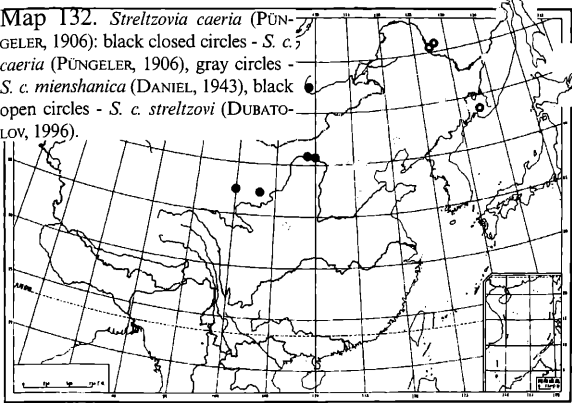


Map 130. *Spilosoma urticae* (ESPER, 1789)



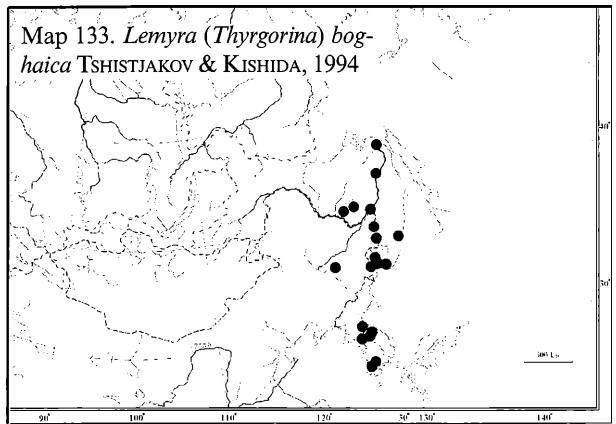
Map 131. *Spilosoma rubidum* (LEECH, 1890). Large circles show province records.

Map 132. *Streltzovia caeria* (PÜNGELER, 1906): black closed circles - *S. c. caeria* (PÜNGELER, 1906), gray circles - *S. c. mienshanica* (DANIEL, 1943), black open circles - *S. c. streltzovi* (DUBATOLOV, 1996).

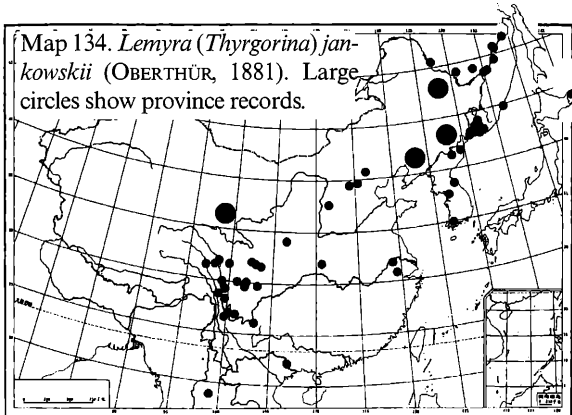


● *Streltzovia caeria caeria* ● *Streltzovia caeria mienshanica* ○ *Streltzovia caeria streltzovi*

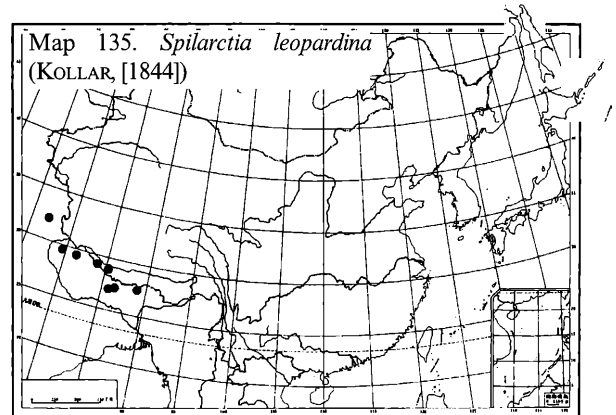
Map 133. *Lemyra (Thyrgorina) boghaica* TSHISTJAKOV & KISHIDA, 1994



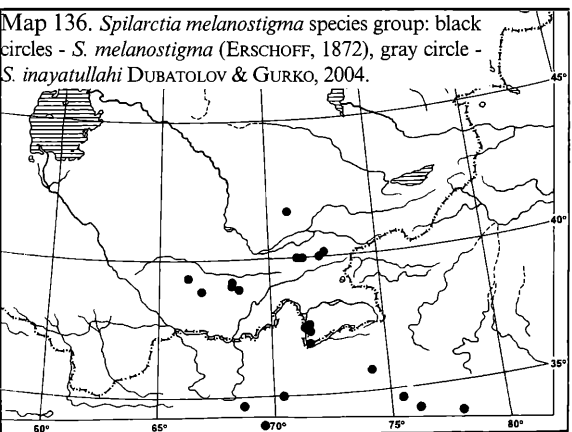
Map 134. *Lemyra (Thyrgorina) jankowskii* (OBERTHÜR, 1881). Large circles show province records.



Map 135. *Spilarctia leopardina* (KOLLAR, [1844])

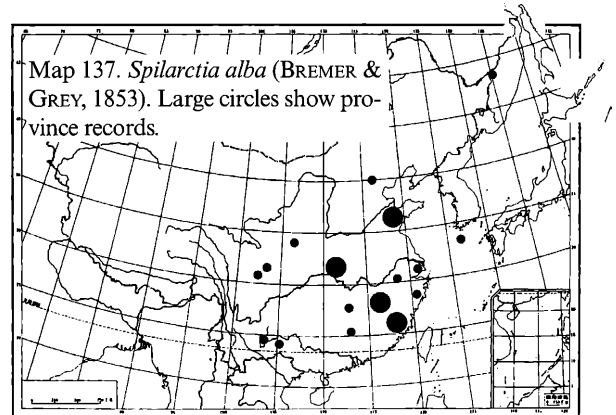


Map 136. *Spilarctia melanostigma* species group: black circles - *S. melanostigma* (ERSCHOFF, 1872), gray circle - *S. inayatullahi* DUBATOLOV & GURKO, 2004.



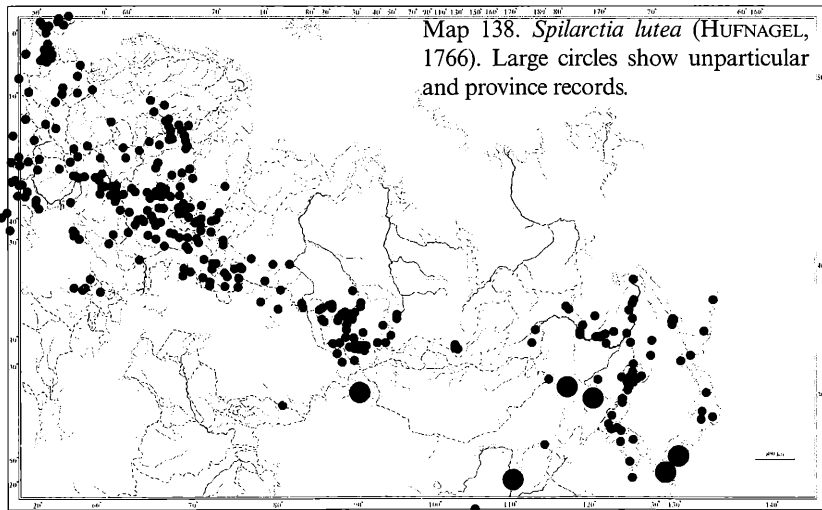
● *Spilarctia melanostigma* ● *Spilarctia inayatullahi*

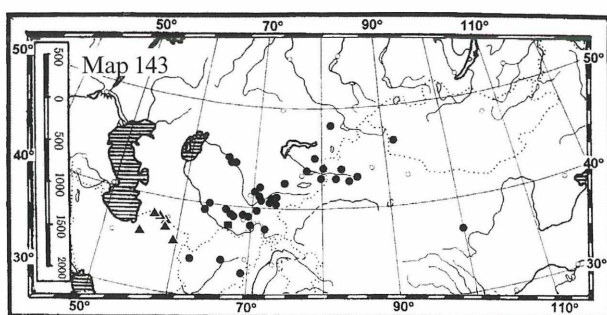
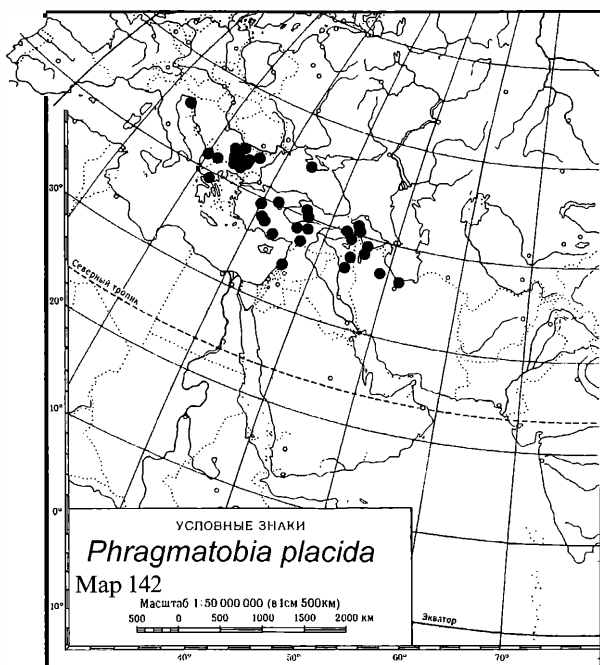
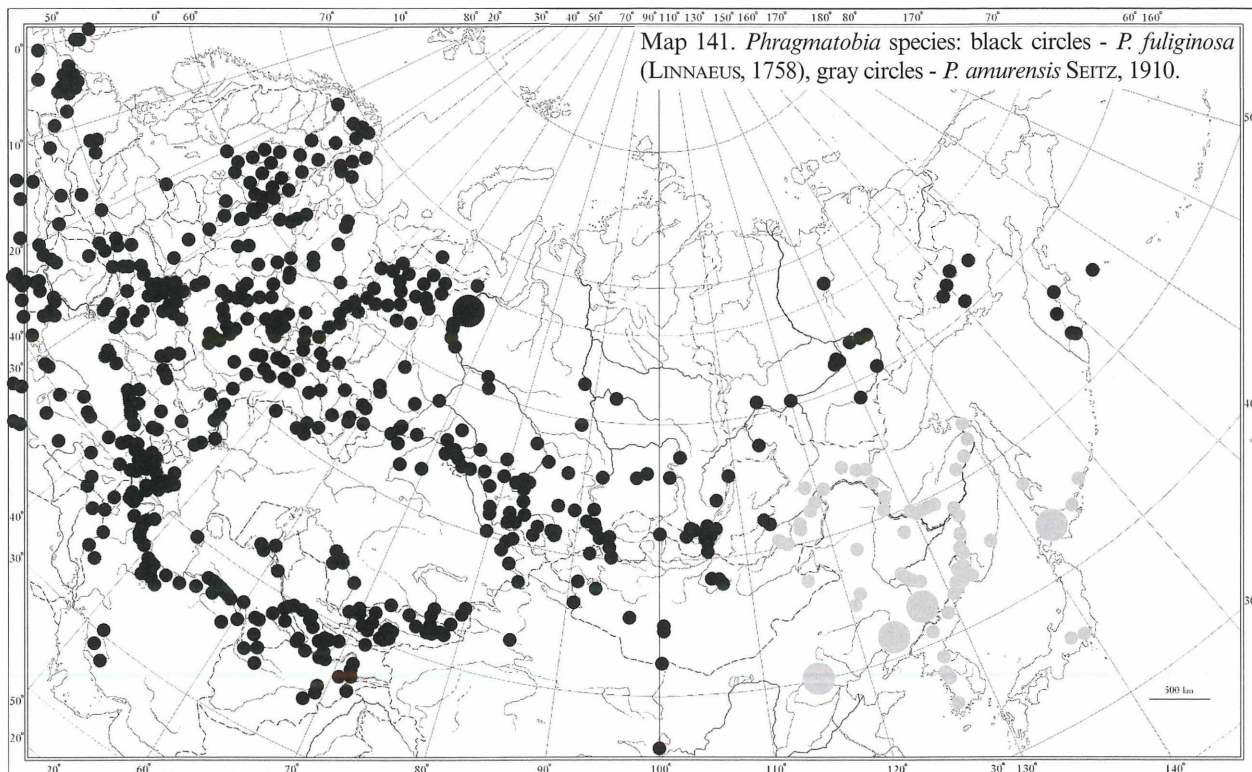
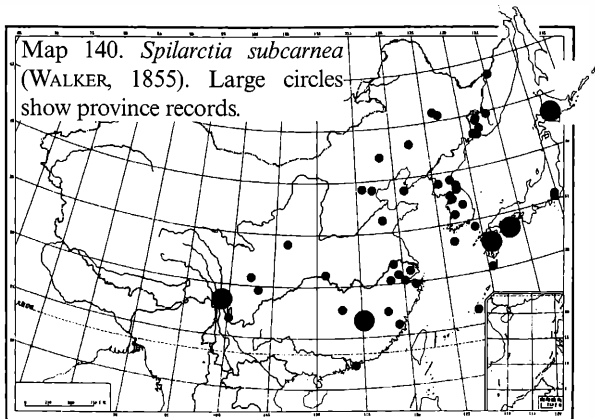
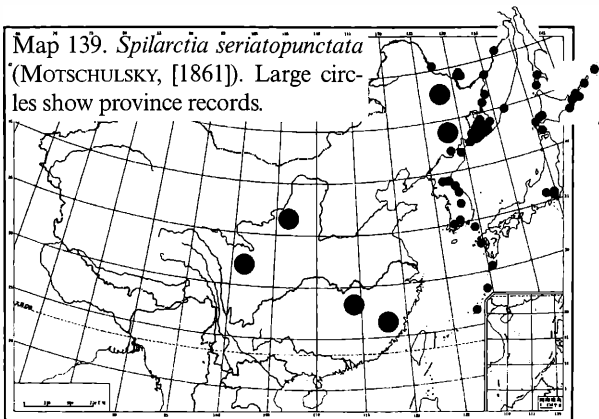
Map 137. *Spilarctia alba* (BREMER & GREY, 1853). Large circles show province records.



● *Spilarctia alba alba* ● *Spilarctia alba kikuchi*

Map 138. *Spilarctia lutea* (HUFNAGEL, 1766). Large circles show unparticular and province records.



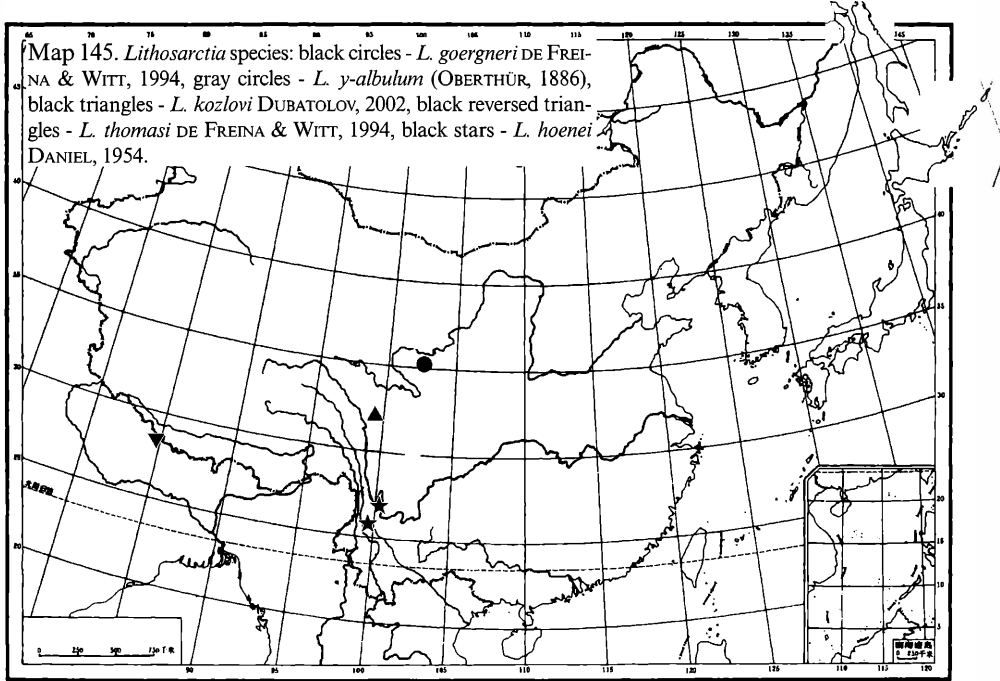
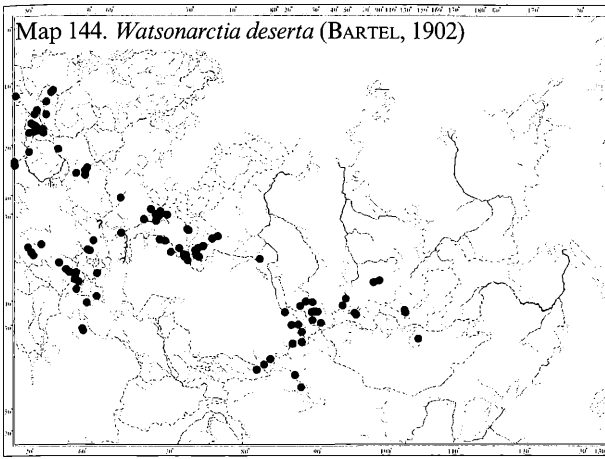


- ▲ *Eudiaphora turensis kopetdaghica*
- *Eudiaphora turensis kuhitangica*
- *Eudiaphora turensis turensis*

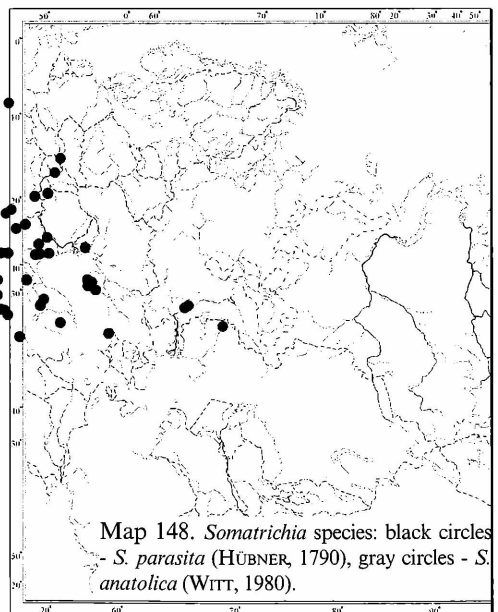
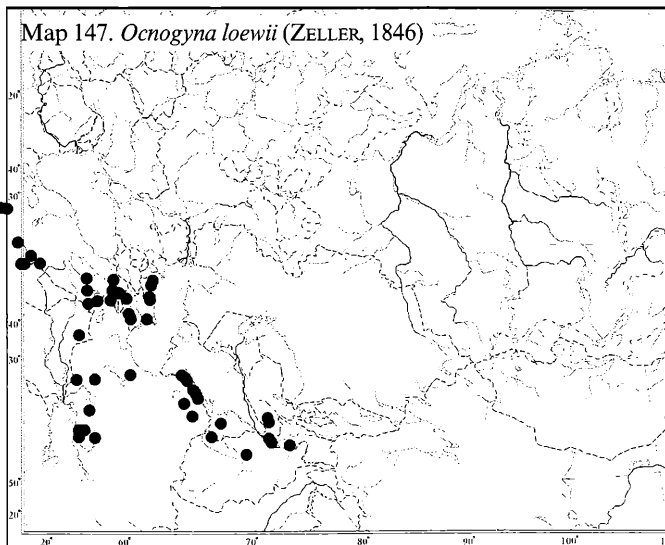
Map 142. *Phragmatobia placida* (FRIVALDSZKY, 1835)

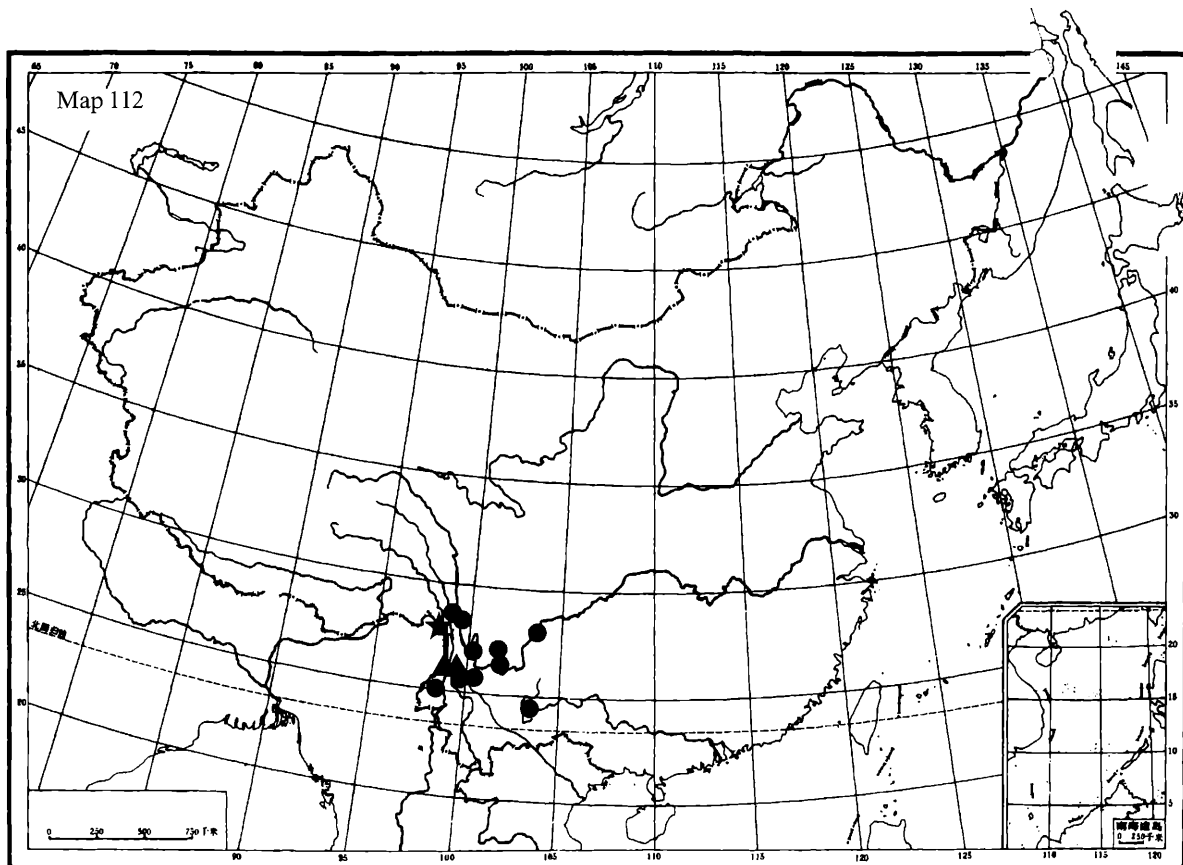
Map 143. *Eudiaphora turensis* (ERSCHOFF, 1874): black triangles - *E. t. kopetdaghica* DUBATOLOV, 2004, black squares - *E. t. kuhitangica* DUBATOLOV, 2004; black circles - *E. t. turensis* (ERSCHOFF, 1874).



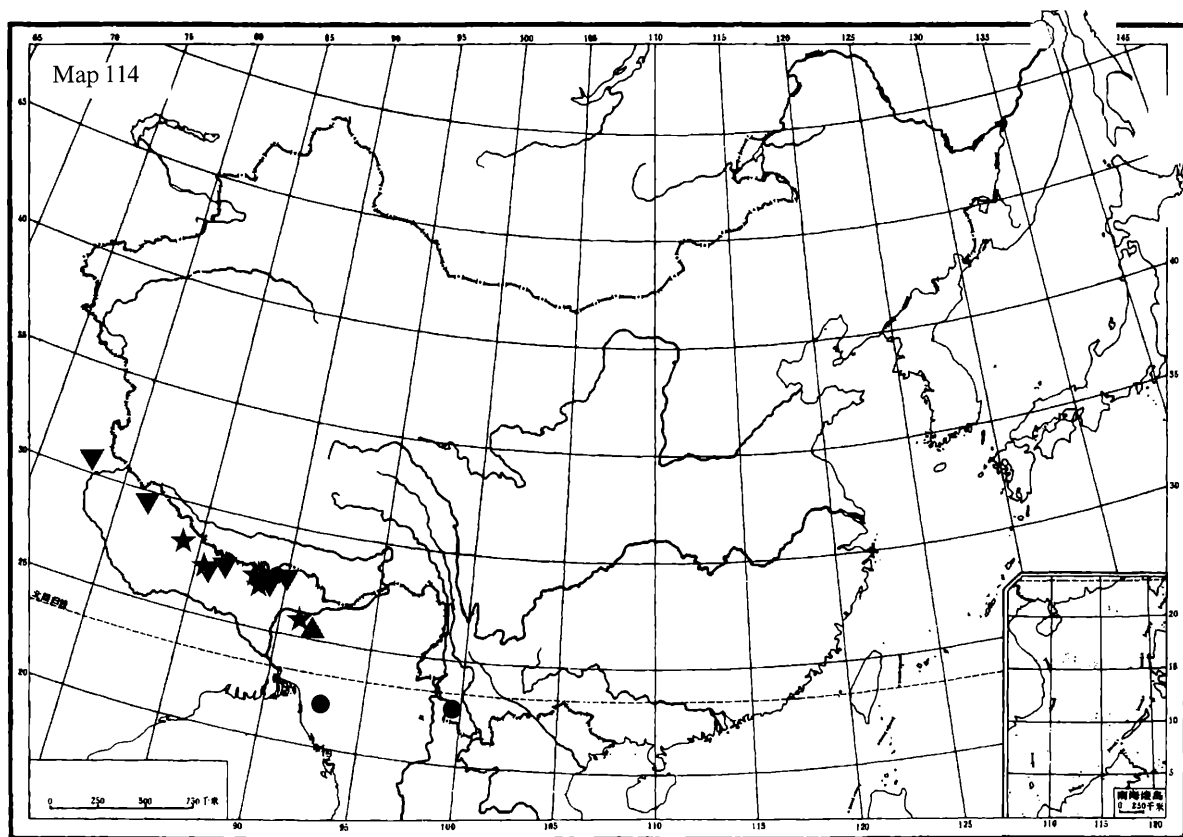


- *Lithosarcitia goergneri*      ○ *Lithosarcitia y-albulum*      ▲ *Lithosarcitia kozlovi*
- ▼ *Lithosarcitia thomasi*      ★ *Lithosarcitia hoenei*





- *Alphaea anopunctata*    ▲ *Alphaea hongfena*  
*Alphaea fulvohirta*    ★ *Alphaea dellabrunai*



- ▼ *Alphaea imbuta*    ▲ *Alphaea rothschildi*    *Alphaea turatii*  
 ★ *Alphaea floescens*    ● *Alphaea chiyo*