

A list of the Lasiocampidae from the territory of the former USSR

(Insecta, Lepidoptera)

by

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The heterocera fauna of the former USSR territory has been only poorly studied. Checklists exist only for some groups such as Geometridae (VIIDALEPP, 1976-79), Sphingidae (DERZHAVETS, 1984), Notodontidae (SCHINTLMEISTER et al., 1987) and Lymantriidae (KOZHANTSCHIKOV, 1950), the latter one not being up-to-date. Data for other families is scattered throughout many books and articles. Given the western palaeartic (Western Europe and North-west Africa) bombycoid fauna as thoroughly studied according to DE FREINA & WITT (1987), the regions of southern Asia (south of the border of the former USSR) are still very poorly known. At the same time the territory of the former USSR (although it is an artificial division of a big region with an extreme variety of landscapes) is very interesting in faunistic aspects and still hardly approachable to the foreign entomologists' study.

We therefore present here, as part of the planned series on Heterocera checklists from the territory of the former USSR, an updated list of the Lasiocampidae (lappet moths).

So as not to disturb the appearance of the checklist, we subsequently give notes on certain taxa (indicated in the list by an asterisk *).

Lasiocampidae

Chondrosteginae

Chondrostega LEDERER, 1858, Wien. Ent. Monatschr. 2:143.

1. *pastrana* LEDERER, 1858, Wien. ent. Monatschr. 2:144, pl. 2, figs. 6, 7.
S. Transcaucasia (Talysh; SE-Armenia). – Asia minor.
- *2. *hyrcana* STAUDINGER, 1871, Cat. Lep. Eur. (2nd ed.):67, Nr. 909a (*Ch. pastrana*).
Turkmenia (Kopetdagh, Badhzyz); W-Tadzhikistan; Zeravshan. – N-Iran; Afghanistan.

Poecilocampinae

Poecilocampa STEPHENS, 1828, Illustr. Br. Ent. (Haustellata) 2:43.

3. *populi* (LINNAEUS, 1758), Syst. Nat. (10th ed.) 1:502 (*Phalaena*). (= *P. populi lydiae* KRULIKOWSKY, 1909. Soc. ent. 23(7):49).
Baltia; Belorussia; Ukraina; Moldavia; European Russia except polar region; Caucasus; Transcaucasus; Kazakhstan (western part and Semiretshje); S-Siberia to Amur region. – Western Europe except tundra.

- *4. *tenera* BANG-HAAS, 1927, *Horae Macrolep.* 1:77, pl. 10, fig. 7.
Middle Amur; Primorye. – Korea; NE-China.
- *5. *tamanukii* (MATSUMURA, 1928), *Ins. matsum.* 2:119, fig. 2 (*Trichiura*).
S-Sakhalin. – Japan (Hokkaido, Honshu, Shikoku, Kyushu).
- *6. *ophelia* ZOLOTUHIN & TSHISTJAKOV in litt.
S-Primorye.

Trichiura STEPHENS, 1828, *Illustr. Br. Ent. (Haustellata)* 2:42.

- 7. *crataegi* (LINNAEUS, 1758)
Baltia; Belorussia; Ukraina; Moldavia; European Russia except polar region; Caucasus; Transcaucasus; Siberia to Central Jakutia; Middle Amur. – Western Europe except tundra; Asia minor.
 - a. *crataegi crataegi* (LINNAEUS, 1758), *Syst. Nat.* (10th ed.) 1:502 (*Phalaena*).
European part; Siberia, east to Middle Amur. – Western Europe.
 - b. *crataegi anatolica* DANIEL, 1956, *NachrBl. bayer. Ent.* 5:71.
Caucasus; Transcaucasus. – Asia minor.
- *8. *mirayani* EBERT, 1971
SE-Azerbaijan (Talysh); Turkmenia (Kopetdagh); Uzbekistan (Zeravshan). – N-Iran.
 - a. *mirayani mirayani* EBERT, 1971, *Beitr. naturk. Forsch. SüdWdtl.* 30:70.
SE-Azerbaijan (Talysh). – N-Iran (Elburs mts.).
 - b. *mirayani kopetdaghi* DUBATOLOV & ZOLOTUHIN ssp. nov.
Turkmenia (Kopetdagh); ?Uzbekistan (Zeravshan).

Malacosomatinae

Malacosoma HÜBNER, [1820] 1816, *Verz. bekannter Schmett.*:192.

- 9. *neustrium* (LINNAEUS, 1758)
Baltia; Belorussia; Ukraina; Moldavia; Crimea; European Russia north to St.-Petersburg and Upper Volga; West Kazakhstan; S-Siberia (Kurgan region, Irkutsk); Caucasus; Transcaucasus; Middle Amur; Primorye; Sakhalin (Kuznetsovka); S-Kurile Is. (Kunashir). – Western Europe; N-Africa; Asia minor; Mongolia; China (Dunbei, E-Shandong, Hubei, Zhejiang, Anhui, Sichuan, Guangxi-Zhuangzu); Korea; Japan (Hokkaido, Honshu, Shikoku, Kyushu, Tsushima, Oki, Yaku).
 - a. *neustrium neustrium* (LINNAEUS, 1758), *Syst. Nat.* (10th ed.) 1:500 (*Phalaena neustria*).
Baltia; Belorussia; Ukraina; Moldavia; Crimea; European Russia; West Kazakhstan; W-Siberia; Caucasus; Transcaucasus. – Western Europe; Asia minor; ?Mongolia.
 - b. *neustrium testaceum* (MOTSCHULSKY, [1861] 1860), *Études d'Ent.* 9:32 (*Clisiocampa testacea*). (= *M. neustrium chosensis* BRYK, 1948, *Ark. Zool.* 41(A):29-30).
Middle Amur; Primorye; Sakhalin; S-Kurile Is. (Kunashir). – NE-China; Korea; Japan.
- 10. *parallelum* STAUDINGER, 1887, *Stett. Ent. Ztg.* 48:98 (*M. neustria parallela*).
Caucasus; Transcaucasus; Middle Asia mountains. – Asia minor.
- 11. *castrense* (LINNAEUS, 1758)
Baltia; Belorussia; Ukraina; Crimea; European Russia north to St.-Petersburg and Upper Volga; Kazakhstan; South of W-Siberia, including Altai; Caucasus; Transcauca-

sus; Middle Asia mountains. – Central and Southern Europe; NW-Africa; Asia minor; Iran; ?Afghanistan; China (Tibet, Guangxi-Zhuangzu); S-Mongolia.

- a. *castrense castrense* (LINNAEUS, 1758), Syst. Nat. (10th ed.) 1:500 (*Phalaena castrensis*). (= *M. castrensis ksiezopolskii* SHELJUZHKO, 1943, Zeitschr. Wien. Ent. Ges. **28**:246).
Baltia; Belorussia; Ukraina; European Russia. – Europe.
 - b. *castrense krymea* SHELJUZHKO, 1943, Zeitschr. Wien. Ent. Ges. **28**:246 (*M. castrensis*).
Crimea.
 - c. *castrense kirghisicum* (STAUDINGER, 1879), Stett. Ent. Ztg. **40**:318 (*Bombyx castrensis kirghisica*).
W-Siberia; Kazakhstan; Middle Asia mountains (W-Kopetdagh, Zeravshan mts., W-Thian-Shan, Kirgizsky mts.); Caucasus; Transcaucasus. – Asia minor; Iran; Afghanistan.
 - d. *castrense thomalae* GAEDE, 1932, in SEITZ, Gross-Schmett. Erde, Suppl. **2**:110. (= *M. thianshanica* DANIEL, 1949, Entomon **1**:163).
Thian-Shan.
- *12. *franconicum* ([DENIS & SCHIFFERMÜLLER], 1775), Ankündigung syst. Werkes Schmett. Wienergegend:57 (*Bombyx franconica*). (= *Gastropacha geographica* EVERSMAN, 1844, Fauna Lep. Volgo-Uralensis:158).
Crimea; S-Ukraina; Lower Volga; S-Ural; NW-Kazakhstan; Caucasus; Transcaucasus. – Central and Southern Europe; Turkey ("*M. alpicola prima*" of DE FREINA, 1979).
- *13. *prima* (STAUDINGER, 1887), Stett. Ent. Ztg. **48**:97-98 (*Bombyx alpicola*).
East of Middle Asia mountains.

Lasiocampinae

- Eriogaster* GERMAR, 1810, Diss. sistens Bombycum Species (1):16. (= *Autosphylla* RAMBUR, 1866, Cat. Lep. Andal.:354).
14. *lanestris* (LINNAEUS, 1758), Syst. Nat. (10th ed.) 1:499 (*Phalaena*). (= *E. senecta* GRAESER, 1888, Berl. Ent. Ztg. 1988:126; = *E. rueckbeili* GRAESER, 1892, Berl. Ent. Ztg. 1892:301).
Baltia; Belorussia; Ukraina; Moldavia; ?Crimea; European Russia except tundra; N-Caucasus; West and North Kazakhstan; S-Siberia to Baikal and Central Yakutia; Middle Amur; Primorye; "Issyk Kul occidentalis" Western Europe; North of Asia minor.
 15. *rimicola* ([DENIS & SCHIFFERMÜLLER], 1775), Ankündigung syst. Werkes Schmett. Wienergegend:75 (*Bombyx*).
Belorussia. – Central and SE-Europe; Turkey.
 16. *catax* (LINNAEUS, 1758), Syst. Nat. (10th ed.) 1:815 (*Phalaena*).
Ukraina; Vohlynia, Podolia. – Central and SE-Europe; Turkey.
 17. *daralagesis* ZOLOTUHIN, 1991, Atalanta **22**(2/4):118-120, figs. 2a, 3a-c.
Transcaucasus (Armenia).
 18. *acanthophylli* (CHRISTOPH, 1882), Horae Soc. Ent. Ross. **17**:124 (*Bombyx*).
Turkmenia (Kopetdagh). – N-Iran.

19. *neogena* (FISCHER DE WALDHEIM, 1824)
Transcaucasus; Lower Volga to S-Ural; North and East Kazakhstan to W-Altai. – N-Iran; W-Mongolia.
- neogena neogena* (FISCHER DE WALDHEIM, 1824), Ent. Ross. 2:250 (*Bombyx*).
Transcaucasus; Lower Volga to S-Ural; N-Kazakhstan.
 - neogena sokolowi* O. BANG-HAAS, 1934, Ent. Zeit. 48:318-319 (*Bombyx*).
South of W-Siberia; Altai.
20. *henkei* (STAUDINGER, 1879), Stett. Ent. Ztg. 40:318-319 (*Bombyx*).
Deserts: Lower Volga; NE-Caucasus; West and South Kazakhstan; Middle Asia. – Saudi Arabia (ssp. *arabica* WILTSHIRE, 1980).

Lasiocampa SCHRANK, 1802, Fauna Boica 2(2):153.

21. *quercus* (LINNAEUS, 1758)
Baltia; Belorussia; Ukraina; Moldavia; Crimea; European Russia except Tundra; Caucasus; Transcaucasus; East and North Kazakhstan; W-Siberia to Tobolsk and Altai. – Western Europe except tundra; Asia minor.
- quercus quercus* (LINNAEUS, 1758), Syst. Nat. (10th ed.) 1:498 (*Phalaena*).
Baltia; Belorussia; Ukraina; Moldavia; Crimea; European Russia; Caucasus; Transcaucasus; East and North Kazakhstan; W-Siberia. – Western Europe.
 - quercus vassilini* SHELJUZHKO, 1943, Zeitschr. Wien. Ent. Ges. 28:247-248, pl. 13, figs. 1-2.
SW-Georgia. – E-Turkey.
22. *trifolii* ([DENIS & SCHIFFERMÜLLER], 1775), Ankündigung syst. Werkes Schmett. Wienergegend:57 (*Bombyx*).
Baltia; Belorussia; Ukraina; Moldavia; Crimea; European Russia except tundra; Caucasus; Transcaucasus; Middle Asia except deserts; Kazakhstan; S-Siberia to Transbaicalia and S-Jakutia. – Western Europe north to S-Scandinavia; N-Africa; Turkey.
23. *eversmanni* (EVERSMANN, 1843), Bull. Soc. Imp. Nat. Moscou 3:542, pl. 10, figs. 2a-c (*Gasteropacha eversmanni* KIND.). (= *L. e. atrita* STSHETKIN, 1960, Trudy Instituta zoologii i parazitologii Stalinabad 19:204-207).
Transcaucasus; SE European Russia (Lower Volga); S-Ural; Kazakhstan; Middle Asia. – Balkans; Turkey; Iran; Iraq; Afghanistan.
- *24. *nana* (STAUDINGER, 1887), Stett. Ent. Ztg. 48:99 (*Bombyx eversmanni*).
Alai mts.; Kopetdagh (Turkmenia).
25. *grandis* (ROGENHOFER, 1891), Verz. Ger. Wien 41(4):86 (*Gastropacha trifolii*).
Transcaucasus (Armenia). – Balkans; Asia minor.
26. *piontkovskii* SHELJUZHKO, 1943, Zeit. Wien. Ent. Ges. 28:248-249, pl. 13, figs. 3-5.
S-Transcaucasus (Arax valley).

Amurilla AURIVILLIUS, 1902, Ent. Tidskr. 22(4):251.

(= *Amuria* AURIVILLIUS, 1894, Dtsch. ent. Zeit. IRIS 7:153).

27. *subpurpurea* (BUTLER, 1881), Trans. Ent. Soc. London 1881:18 (*Poecilocampa*).
Transbaicalia to Lower Amur; Primorye; S-Sakhalin. – China. (Dunbei, Sichuan); Japan (Hokkaido, Honshu, Shikoku; Kyushu); Korea; Nepal; N-India.

- a. *subpurpurea dieckmanni* (GRAESER, 1888), Berl. Ent. Ztg. **32**:188 (*Lasiocampa dieckmanni*).
Amur; Primorye; Sakhalin. – NE-China; Korea.
- b. *subpurpurea flavopurpurea* (O. BANG-HAAS, 1927), Horae Macrolep. **1**:77 (*Metanastria*).
Transbaikalia.

Macrothylacia RAMBUR, 1866, Cat. syst. Lepid. Andalousie (2):358.

- 28. *rubi* (LINNAEUS, 1758), Syst. Nat. (10th ed.) **1**:498 (*Phalaena*).
Baltia; Belorussia; Ukraina; Moldavia; ?Crimea; European Russia except tundra and deserts; S-Siberia to Middle Amur; Geirgia (Borzhom). Western Europe except tundra; Turkey.

Gastropachinae

Euthrix MEIGEN, 1830, Syst Beschreibung eur. Schmett. **2**(4):191. (= *Philudoria* KIRBY, 1892, Synonymic Cat. Lepid. Heterocera **1**:820).

*29. *potatoria* (LINNAEUS, 1758)

Baltia; Belorussia; Ukraina; Moldavia; European Russia except tundra and deserts; N-Kazakhstan; S-Siberia to Khanty-Mansijsk and Central Jakutia; Amur; Primorye; S-Sakhalin; Kuriles. – Central Europe north to S-Scandinavia; NE-China; Korea; Japan (Hokkaido, Honshu, Shikoku, Kyushu).

- a. *potatoria potatoria* (LINNAEUS, 1758), Syst. Nat. (10th ed.) **1**:498 (*Phalaena*).
Baltia; Belorussia; Ukraina; Moldavia; European Russia; N-Kazakhstan; Siberia east to Middle Amur. – Western Europe.
- b. *potatoria barabaensis* DUBATOLOV subspec. nov.
W-Siberia (Baraba and N-Kulunda steppe areas).
- c. *potatoria askoldensis* (OBERTHÜR, 1880), Ét. d'Ent. **5**:38 (*Odonestis*).
S-Primorye. – NE-China; Korea.
- d. *potatoria bergmani* BRYK, 1941, Ent. Tidskr. **62**:148 (*Cosmotriche*). (= *Cosmotriche potatoria midas* BRYK, 1941, Ent. Tidskr. **62**:149).
S-Kurile Islands (Urup, Iturup, Kunashir, Shikotan); ?S-Sakhalin. – Japan.
- 30. *albomaculata* (BREMER, 1861), Bull. Acad. Imp. Sci. St. Petersb. **3**:479 (*Odonestis*). (= *Cosmotriche potatoria mikado* BRYK, 1941, Ent. Tidskr. **62**:148-149).
Middle Amur; Primorye; S-Kuriles (Kunashir). – NE-China; Korea; Japan (Hokkaido, Honshu, Shikoku, Kyushu).
- 31. *laeta* (WALKER, 1855), List specimens Lepid. Insects Colln Br. Museum **6**:1416 (*Amydona*).
Middle Amur; Primorye. China (Hubei, Yunan, Sichuan, Anhui, Fujiang); Korea; Japan; India; Indonesia.
- a. *laeta sulphurea* (AURIVILLIUS, 1894), Dtsch. Ent. Zeit. IRIS **7**:164 (*Cosmotriche*).
Middle Amur; Primorye. – NE-China; Korea; Japan.

Cosmotriche HÜBNER, [1820] 1816, Verz. bekannter Schmett.:188. (= *Selenephra* RAMBUR, 1866, Cat. syst. Lepid. Andalousie (2):347; *Konomia* MATSUMURA, 1927, Insecta matsum. 1:112).

32. *lunigera* (ESPER, 1784)

Baltia; Belorussia; East and North Ukraina; European Russia except tundra and steppe; Siberia east to Korjakia, Kamtchatka and Primorye; Sakhalin. Western Europe, east from the Alps; Mongolia; China (Heilongjiang); Korea; Japan (Hokkaido, Honshu).

a. *lunigera lunigera* (ESPER, 1784), Die Schmett. 3:114 (*Phalaena*). (= *Selenephra lunigera mongolica* GRUM-GRSHIMAILO, 1902, Ann. Muz. Zool. Petersb. 7:196; = *Selenephra lunigera malchani* O. BANG-HAAS, 1927, Horae Macrolep. 1:77; = *Selenephra lunigera seitzi* O. BANG-HAAS, 1927, Horae Macrolep. 1:77-78).

Baltia; Belorussia; East and North Ukraina; European Russia; Siberia to Kamtchatka and Primorye. – Western Europe; Mongolia; NE-China; Korea.

b. *lunigera takamukuana* (MATSUMURA, 1921), Thous. Ins. Addit. 4:904, pl. 10, fig. 13 (*Selenephra*) (= *Konomia pinivora* MATSUMURA, 1927, Insecta matsum. 1:112, fig. 1; = *Selenephra sachalinensis* MATSUMURA, 1932, Ins. Mats. 7:52).

Sakhalin. – Japan (Hokkaido, Honshu).

Chilena WALKER, 1855, List Specimens Lepid. Insects Colln Br. Mus. 5:979 (key), 1070.

33. *sordida* (ERSCHOFF, 1874), in: FEDTSCHENKO's Reise, Lep. Turkestan 2:36, pl. 2, fig. 33, pl. 6, fig. 95 (*Lasiocampa*). (= *C. s. cinerascens* OBERTHÜR, 1916, Ét. lép. comp. 12:341).

Deserts of Middle asia; S-Kazakhstan. – Turkey; Iran; Afghanistan.

Sena WALKER, 1862, Trans. ent. Soc. Lond. (3)1:278.

34. *proxima* (STAUDINGER, 1894), Dtsch. Ent. Zeit. IRIS 7:268-269, pl. 9, figs. 7, 8 (*Chilena*). Kara-kum desert (Repetek). – Asia minor; Iraq; Iran.

Gastropacha OCHSENHEIMER, 1810, Schmett. Eur. 3:239.

35. *quercifolia* (LINNAEUS, 1758)

Baltia; Belorussia; Ukraina; Moldavia; Crimea; European Russia except tundra; Caucasus; Transcaucasus; Kazakhstan, mountains of N-Kirghizia; Siberia north to Khanty-Mansijsk and S-Jakutia; Middle Amur; Primorye; S-Sakhalin. – western Europe north to S-Scandinavia; Asia minor; N-Mongolia; NW- and NE-China; Korea; Japan (Hokkaido, Honshu).

a. *quercifolia quercifolia* (LINNAEUS, 1758), Syst. Nat. (10th ed.) 1:497 (*Phalaena*). (= *G. q. salicifolia* STAUDINGER, 1892, Dtsch. Ent. Zeit. IRIS 5:352; = *G. q. sibirica* KRULIKOWSKY, 1909, Rev. entomol. Ross. 9:111).

Baltia; Belorussia; Ukraina; Moldavia; Crimea; European Russia; Caucasus; Transcaucasus; Kazakhstan, mountains of N-Kirghizia; Siberia. – Western Europe; Asia minor; Mongolia.

b. *quercifolia cerridifolia* (FELDER & FELDER, 1862), Wien. Ent. Zeit. 8:35. (= *Gastropacha coreana* MATSUMURA, 1927, J. Coll. Agric. Hokkaido Imp. Univ. 19:22, pl. 3, fig. 3).

- Middle Amur; Primorye; S-Sakhalin. – E-Mongolia; NW- and NE-China; Korea; Japan (Hokkaido, Honshu).
36. *orientalis* SHELJUZHKO, 1943, Zeit. wien. ent. Ges. **28**:245-250, pl. 13, fig. 6 (= *Gastropacha quercifolia coreopacha* BRYK, 1948, Ark. Zool. **41**(A)1:32, pl. 1, fig. 11; = *Gastropacha hoenei* LAJONQUIERE, 1976, Anns Soc. ent. Fr. (N.S.) **12**:164, pl. 1, fig. E). Middle Amur; Primorye. – ? NE-China; Korea; Japan (Honshu, Shikoku, Kyushu, Tsushima, Yaku).
37. *populifolia* (ESPER, 1784)
Baltia; Belorussia; Ukraina; ? Crimea (Simferopol); European Russia except steppes, north to St.-Petersburg and Upper Volga; North and East Kazakhstan; S-Siberia to Central Jakutia; ? Kamtchatka; Middle Amur; Primorye. – Central Europe; N-Mongolia; China except southern regions; Korea; Japan (Hokkaido, Honshu, Shikoku, Kyushu, Tsushima).
- a. *populifolia populifolia* (ESPER, 1784). Schmet. in Abb. **3**:62 (*Bombyx*).
Baltia; Belorussia; Ukraina; ? Crimea; European Russia; North and East Kazakhstan; S-Siberia; Central Jakutia. – Central Europe; W-Mongolia.
- b. *populifolia angustipennis* WALKER, 1855, List Specimens lepid. Insects Colln Br. Mus. **6**:1394 (*Gastropacha angustipennis*).
Middle Amur; Primorye. – E-Mongolia; China; Korea; Japan (Hokkaido, Honshu, Shikoku, Kyushu, Tsushima).
- *38. *clathrata* BRYK, 1948
Middle Amur; Primorye. – NE-China; CDorea; Japan (S-Honshu, Shikoku, Kushu, Yaku – ssp. *watanabei* OKANO, 1966).
- a. *clathrata clathrata* BRYK, 1948, Ark. Zool. **41**(A):33, pl. 1, fig. 10 (*Gastropacha populifolia*).
Middle Amur; Primorye. – NE-China; Korea.
- Phyllodesma* HÜBNER, [1820] 1816, Verz. bekannter Schmett.:190. (= *Epicnaptera* RAMBUR, 1866, Cat. syst. Lepid. Andalousie (2):344).
39. *ilicifolium* (LINNAEUS, 1758), Syst. Nat. (10th ed.) **1**:497 (*Phalaena*).
Baltia; Belorussia; Ukraina; European Russia except tundra and steppe; South of W-Siberia; Central Jakutia. – Northern and Central Europe.
- *40. *japonicum* (LEECH, [1889])
Baltia; European Russia, north to Arkhangelsk, south to Kaluga; South of W-Siberia (Tomsk, Krasnojarsk regions); Irkutsk; Lower Amur; Primorye; S-Sakhalin; S-Kuriles (Kunashir). – SE-Scandinavia; China; N-Korea; Japan (Hokkaido, Honshu).
- a. *japonicum japonicum* (LEECH, [1889]), Proc. Zool. Soc. Lond. **42**:628 (*Gastropacha*). (= *Phyllodesma japonica sakhalinensis* LAJONQUIERE, 1963, Ann. Soc. ent. France **132**:55-56, 131, pl. 1, fig. 11, pl. 4, figs. 63, 64, pl. 5, figs. 72, 73, pl. 10, fig. 152). S-Sakhalin; S-Kuriles. – Japan (Hokkaido, Honshu).
- b. *japonicum ussuriense* LAJONQUIERE, 1963, Ann. Soc. ent. France **132**:53-54, pl. 1, fig. 10, pl. 4, fig. 65, pl. 5, fig. 74, pl. 10, fig. 150. (= *Phyllodesma japonica amurensis* LAJONQUIERE, 1963, Ann. Soc. ent. France **132**:54-55).
Lower Amur; Primorye. – N-Korea.

- c. *japonicum arborea* (BLÖCKER, 1908), Rev. Russ. d'Ent. **8**(2):126-132, pl. 2, figs. 1-8 (*Epicnaptera arborea*).
Local in NW-Russia and Baltia. – SE-Scandinavia.
41. *tremulifolium* (HÜBNER, [1810] 1803-1808)
Belorussia; Ukraina; Moldavia; European Russia; South of W-Siberia. Central Europe; Asia minor; SW-Mongolia.
- a. *tremulifolium tremulifolium* (HÜBNER, [1810] 1803-1808), Eur. Schmett. Bomb. **5**:148 (*Bombyx tremulifolia*).
Belorussia; Ukraina; Moldavia; European Russia. – Central Europe.
- b. *tremulifolium gemela* ZOLOTUHIN, 1991, Vestnik Leningrad Univ. **3**(17):126-129.
South of W-Siberia. – ? SW-Mongolia (Bulgan-gol).
- *42. *joannisi* LAJONQUIERE, 1963
Caucasus; Transcaucasus; Turkmenia (Kopetdagh).
- a. *joannisi joannisi* LAJONQUIERE, 1963, Ann. Soc. ent. France **132**:71-72, 131, pl. 1, figs. 19, 20, pl. 8, figs. 122-124, pl. 9, figs. 138-140.
Turkmenia (Kopetdagh mts.; Geok-tepe).
- b. *joannisi ponticum* DUBATOLOV, 1990, Izv. Akad. Nauk Turkm. SSR. Ser. biol. nauk. No. **2**:30-31, figs. A, B (*Phyllodesma joannisi pontica*).
Caucasus; Transcaucasus.
43. *ambigua* (STAUDINGER, 1901), Cat. Lep. pal. Faunengeb. (3rd ed.):123 (*Epicnaptera tremulifolia*).
Turkmenia (Nary); Uzbekistan (Tashkent occ.); West of Issyk-kul; Ili.
44. *alice* (JOHN, 1909), The Entomologist **42**:175 (*Epicnaptera*).
Syr-Darya valley; NE-Uzbekistan.
45. *sopena* ZOLOTUHIN in press [Entomol. Obozr.]
S-Kazakhstan.
46. *farahae* LAJONQUIERE, 1963, Ann. Soc. ent. France **132**:72-74, 131, pl. 1, fig. 17, pl. 8, fig. 121, pl. 9, fig. 137.
E-Transcaucasia (Talysh). – N-Iran.
47. *hyssarum* ZOLOTUHIN & DUBATOLOV, 1992, Atalanta **23** (1/2):215-217, figs. 1-4.
Tadzhikistan (Hissar mts.).
- *48. *jurii* KOSTJUK, 1992, Vestnik zoologii 1992(4).
SE-Transbaikalia. – SE-Mongolia (?).
- Syrastrenopsis* GRÜNBERG, 1914, Ent. Rdsch. **31**:38.
49. *moltrechti* GRÜNBERG, 1914, Ent. Rdsch. **31**:38.
S-Primorye.
- Odonestis* GERMAR, 1812, Diss. sistens Bombycum Species (2):49.
50. *pruni* (LINNAEUS, 1758)
Baltia; Belorussia; Ukraina except southern regions; Moldavia; European Russia north to Baltia and Upper Volga; Caucasus; Transcaucasus; West and North Kazakhstan; S-Siberia; Middle Amur; Primorye. Central and Southern Europe; Asia minor; China (southern to central regions); Korea; Japan (Hokkaido, Honshu, Shikoku, Kyushu, Tsushima, Yaku).

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- a. *pruni pruni* (LINNAEUS, 1758), Syst. Nat. (10th ed.) 1:498 (*Phalaena*).
Baltia; Belorussia; Ukraina; Moldavia; European Russia; Caucasus; Transcaucasus;
West and North Kazakhstan; S-Siberia. – Central and Southern Europe; Asia minor.
 - b. *pruni rufescens* KARDAKOFF, 1928, Ent. Mitt. 7(6):417, pl. 8, fig. 17.
Middle Amur; Primorye. – NE-China; Korea.

Dendrolimus GERMAR, 1812, Diss. sistens Bombycum Species (2):48.

51. *pini* (LINNAEUS, 1758), Syst. Nat. (10th ed.) 1:498 (*Phalaena*).
Baltia; Belorussia; Ukraina except southern regions; European Russia except tundra
and deserts; Crimea; W-Caucasus; N-Kazakhstan; South of W-Siberia; ? Irkutsk; ?
Transbaicalia. – western Europe north to Central Scandinavia; NW-Africa; Asia minor.
52. *superans* (BUTLER, 1877), Ann. Mag. nat. Hist. (4)20:481 (*Odonestis*).
Kama river; Ural mts.; NE-Kazakhstan; Siberia north to Central Yakutia; Kamtchatka;
Middle Amur; Primorye; Sakhalin; S-Kuriles. Mongolia; China (south to N-Hebei,
Shandong); Korea; Japan (Hokkaido, Honshu, Shikoku, Kyushu, Tsushima).
 - a. *superans sibiricus* TSCHEVERTIKOV, 1908, Russ. Entomol. Obozr. 8(1):1 (*D. superans*).
Kama river; Ural; NE-Kazakhstan; Siberia; Primorye. – Mongolia; NW- and NE-China.
 - b. *superans jezoensis* MATSUMURA, 1917, Appl. Ent. Japan:687, pl. 39, fig. 4, pl. 40, fig. 1
(*D. jezoensis*). (= *D. sibiricus albolineata* MATSUMURA, 1921, Thousands Insects
Japan (Additam.) 4:918, pl. 68, fig. 10).
Sakhalin; S-Kuriles. – Japan (Hokkaido).
53. *spectabilis* (BUTLER, 1877), Ann. Mag. nat. Hist. 20:482 (*Odonestis*).
? Primorye; ? S-Sakhalin. – China (E-Shandong, Liaonin, SE-Jiangsu, Hebei); Korea;
Japan (Hokkaido-Okinoerabu).

Cyclophragma TURNER, 1911, Ann. Qd Mus. 10:85 (key).

54. *undans* (WALKER, 1855), List Specimens Lepid. Insects Colln. Br. Mus. 6:59, 1458
(*Lebeda*).
Middle Amur; Primorye. – China (west to Ningxia-Huizu, south to Yangtze river);
Korea; Japan (Hokkaido, Honshu, Shikoku, Tsushima, ? Okinoerabu, Isigaki, Iri-
mote); N-India.
 - a. *undans fasciatella* (MÉNÉTRIÉS, 1858), Bull. Acad. Imp. Sci. St. Petersb. 17:218
(*Bombyx fasciatella*). (= *Metanastria u. chosenicola* BRYK, 1948, Ark. Zool. 41(A):31-
32).
Middle Amur; Primorye. – NE-China; Korea.

Paralebeda AURIVILLIUS, 1894, Deutsch. Ent. Zeit. IRIS 7:178.

55. *plagifera* (WALKER, 1855), List Specimens Lepid. Insects Colln Br. Mus. 6:1459
(*Lebeda*).
Middle Amur; Primorye. – China (Dunbei, Zhejiang, Anhui, Fujiang); Korea; Indone-
sia.
 - a. *plagifera femorata* (MÉNÉTRIÉS, 1858), Bull. Acad. Imp. Sci. St. Petersb. 17:218 (*Lasio-
campa femorata*).
Middle Amur; Primorye. – NE-China; Korea.

Bhima MOORE, 1888, Proc. Zool. Soc. Lond. 1888:403. (= *Pyrosis* OBERTHÜR, 1880, Ét. d'Ent. 5:36).

56. *eximia* (OBERTHÜR, 1880), Ét. d'Ent. 5:36, pl. 6, figs. 4, 5 (*Pyrosis*).

Middle Amur; Primorye. – China (Zhejiang, Ningxia-Huizu); Korea.

57. *idiota* (GRAESER, 1888), Berl. Ent. Ztg. 32:131 (*Pyrosis*).

Middle Amur; Primorye. – NE-China; Korea; Japan (Honshu, Kushu).

*58. *undulosa* (WALKER, 1855), List Specimens Lepid. Insects Colln Br. Mus. 6:1477 (*Poecilocampa*).

"Amur" – China (Ningxia-Huizu); Korea; Indonesia; India; Ceylon.

Streblote HÜBNER, [1820] 1816, Verz. Bekannter Schmett.:193. (= *Megasoma* BOISDUVAL, 1833, Anns Soc. ent. Fr. 1(4):340; = *Taragama* MOORE, [1860] 1858-59, in: HORSFIELD & MOORE, Cat. lepid. Insects Mus. nat. Hist. East-India House 2:427).

*59. *primigenum* (STAUDINGER, 1887)

Mountains of East Middle Asia.

a. *primigenum primigenum* (STAUDINGER, 1887), Stett. Ent. Ztg. 48:100-101 (*Megasoma*). Hissar mts.; Alai mts.

b. *primigenum uzbekae* (SHELJUZHKO, 1935), Mitt. Münch. Ent. Ges. 25:27-28, pl. 3, fig. 10 (*Taragama uzbekae*). Uzbekistan (SW-Thian-Shan).

c. *primigenum kuhitangicum* DUBATOLOV & ZOLOTUHIN, subspec. nov. SE-Turkmenia (Kuhitang mts.).

60. *fainae* (GERASIMOV, 1931), Mitt. Münch. Ent. Ges. 21:58 (*Taragama*).

Amu-Darya valley.

*61. *stupidum* (STAUDINGER, 1887); Mem. lepidop. Ed. N. M. ROMANOFF 3:210, pl. 12, fig. 5 (*Megasoma*).

Primorye ("Wladiwostok"). – Himalayas; Indochina (Salgon).

62. *solitaria* ZOLOTUHIN, 1991, Atalanta 22(2/4):120-122, figs. 2c, 4a-e.

Transcaucasia (Armenia).

Pachypasa WALKER, 1855, List Specimens Lepid. Insects Colln Br. Mus. 6:1387 (key), 1422.

63. *otus* (DRURY, 1770), Illustr. nat. Hist. exot. Insects 2:index to 1, 1970; 1:30, pl. 16, fig. 3 (*Sphinx*).

Daghestan; Transcaucasus (E-Georgia, Armenia, W-Azerbaijan, Nakhitshevan).

Balkans; Asia minor.

Takanea NAGANO, 1917, Bull. Nawa ent. Lab. 2:11.

64. *miyakei* (WILEMAN, 1915), The Entomologist 48:140 (*Crinocraspeda*). (= *Seitzia plumigera* SCRIBA, 1919, Ent. Rdsch. 36:42, fig. 3; *T. japonensis* MARUMO, 1920, Journ. Coll. Agr. Tokyo:263, pl. 20, fig. 4).

? S-Sakhalin; S-Kuriles (Kunashir). – Japan (Hokkaido, Honshu, Shikoku, Kyushu); S-China (Yunan – ssp. *yangtsei* LAJONQUIERE).

*65. *vishnou* (LEFEBVRE, 1827), Zool. J. Lond. 3:207 (*Gastropacha*).
? S-Primorye (Anisimovka). – China; India; Ceylon; Indonesia.

Notes

2. We consider *Chondrostega hyrcana* as a good species that differs well from *Ch. pastrana* in wing form and details of male genitalia (see ZOLOTUHIN, 1992a).

4. We consider *Poecilocampa tenera* as a good species different from closely related *P. populi* in wing pattern: basal spot absent, medial bands white and weakly curved, inner one partially parallel to external edge of wing.

5. *Poecilocampa tamanukii* differs well from all other *Poecilocampa* spp. by larger size, dentate medial bands and male genitalia (fig. 8c).

6. *Poecilocampa ophelia* similar to *P. tenera* will be described in "Trudy Biologicheskogo Instituta, Vladivostok"

8. *Trichiura mirzayani kopetdagi* DUBATOLOV & ZOLOTUHIN subspec. nov.

Male (pl. 1, fig. 1): Head, body and legs in ash-grey hairs. Forewings grey with black medial bands and seldom – with faintly darkening of medial zone. Hindwings grey. Expanse 25-29 mm. Genitalia (fig. 9) faintly differs from the nominate subspecies.

Female (pl. 1, fig. 3): Larger than male, expanse 28-36 mm. Wings with light brownish tinge and more illegible pattern. Abdomen's top with little haired cushion. Genitalia (fig. 10b) with anal lobes with short setae. Apophyses anteriores twice shorter than posteriores. Vaginal plate feebly curved with little hollow on distal end. Antrum sclerotized, tube-shaped; ductus short, bursa membranous without signum.

This subspecies is similar to *Trichiura crataegi crataegi* by the complex of the external characters, but smaller in size and differs well in the structure of the genitalia: form of uncus and gnathos and especially in the projection of the basal part of valva, also by the form of the vaginal plate and tube-shaped sclerotized antrum. From *T. mirzayani mirzayani* this subspecies differs easily by the colouration of the forewings. The forewing of *T. m. mirzayani* with a strong darkening of the basal and medial zone and clearly expressed greasy lustre (pl. 1, fig. 1). Both subspecies are geographically divided.

Biology: Moths fly in September and October in one generation. Caterpillars on *Crataegus* and, occasionally, on *Pistacea*.

Distribution: Kopetdagh mts. in Turkmenia. We also have *T. mirzayani* with vague subspecific status from Uzbekistan, Tchatkal mts.

Material

Holotype ♂: Turkmenia, Central Kopetdagh, 15 km W Firjuza, Dushak mt., 2100m, 1.IX. 1988, V. V. DUBATOLOV leg.

The type series is kept in the Zoological Museum of the Biological Institute, Siberian branch of the Russian Academy of Sciences, Novosibirsk, and in the Zoological Institute of the Russian Academy of Sciences, St.-Petersburg.

12-13. As was shown by our special investigation, all previous records of *Malacosoma alpicolum prima* from the Caucasus and Transcaucasia are doubtful and really refer to *M. franconicum*. *M. prima*, bona species, is a mountain species confined to Middle Asia. (ZOLOTUHN, 1992b).

24. The status of *Lasiocampa nana* STGR. is vague.

29. *Euthrix potatoia barabaensis* DUBATOLOV, subspec. nov. (pl. 1, fig. 4)

Differs from *E. p. potatoia* in yellow colouration of the wings, occasionally with greyish bands, almost without brownish colour on wings. This subspecies is limited to steppe and foreststeppe areas of Baraba and Kulunda geographical regions (south parts of West Siberian plain). Specimens from Ob basin: Novosibirsk, Tomsk, Barnaul, etc. (east of *E. p. barabaensis* area) and Kurgan region (west of it) do not differ from European specimens with regard to wing colouration.

Material:

Holotype ♂: SW-Novosibirsk region, 13 km west from Karasuk, Krotovaja Ljaga lake, 21.VII.1981 (DUBATOLOV).

Paratypes: 11 ♂♂, 4 ♀♀, same locality, 21.VII.-1.VIII.1981 (DUBATOLOV).

Types deposited in the collection of the Zoological Museum of the Biological Institute, Siberian branch of the Russian Academy of Sciences, Novosibirsk.

Plate 1: Lasiocampidae spp.

Fig. 1: *Trichiura mirzayani mirzayani* EBERT, ♂, Talysh, Gosmaljantz, 16.IX.1984, M. DANILEVSKY leg.

Fig. 2: *Trichiura mirzayani kopetdaghi* DUBATOLOV & ZOLOTUHN subspec. nov., holotype ♂, Turkmenia, C. Kopetdagh, 15 km W of Firjuza, Dushak mt., 1.IX.1988, V. V. DUBATOLOV.

Fig. 3: *Trichiura mirzayani kopetdaghi* DUBATOLOV & ZOLOTUHN subspec. nov., paratype ♀, same locality, 6.IX.1988.

Fig. 4: *Euthrix potatoia barabaensis* DUBATOLOV subspec. nov., holotype ♂, Novosibirsk region, 13 km W of Karasuk, Krotovaja Ljaga lake, 21.VII.1981, V. V. DUBATOLOV.

Fig. 5: *Strebote primigenum primigenum* STAUDINGER, ♂, Hissar mts., Tadjikistan, Stalinalbad [Dushanbe], 17.V.1955, JU. STSHETKIN.

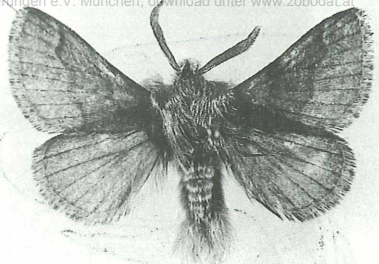
Fig. 6: *Strebote primigenum kuhitanghicum* DUBATOLOV & ZOLOTUHN subspec. nov., holotype ♂, Turkmenia, Kuhitang mts., Kara-belent mt., 11.V.1991, V. V. DUBATOLOV & V. K. ZINTSHENKO.

Fig. 7: *Strebote primigenum kuhitanghicum* DUBATOLOV & ZOLOTUHN subspec. nov., paratype ♀, same data.

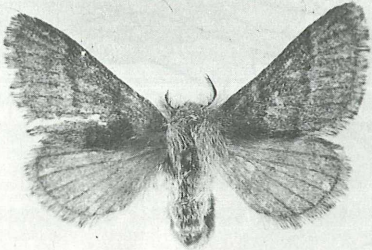
Paratypes: 15 ♂♂, 4 ♀♀, same locality, 1.-6.IX.1988, V. V. DUBATOLOV; 2 ♂♂, West Kopetdagh, 10 km W of Nohur, Utch-kuyuk mt., 22.IX.1988, V. V. DUBATOLOV; 1 ♀, West Kopetdagh, [50 km E Kara-kala], Ai-dere, 14.IX.1893, EYLANDT.



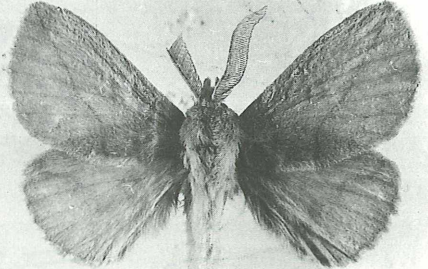
1



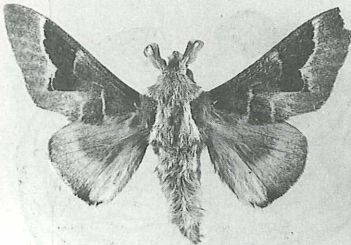
2



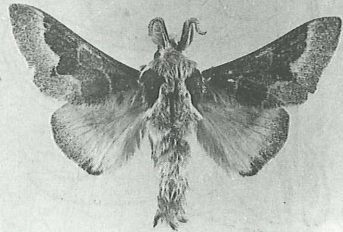
3



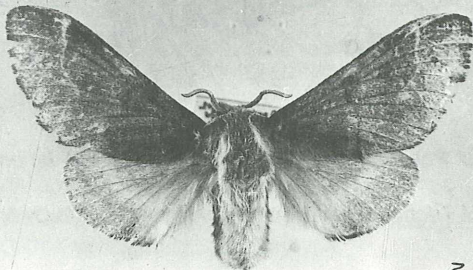
4



5



6



7

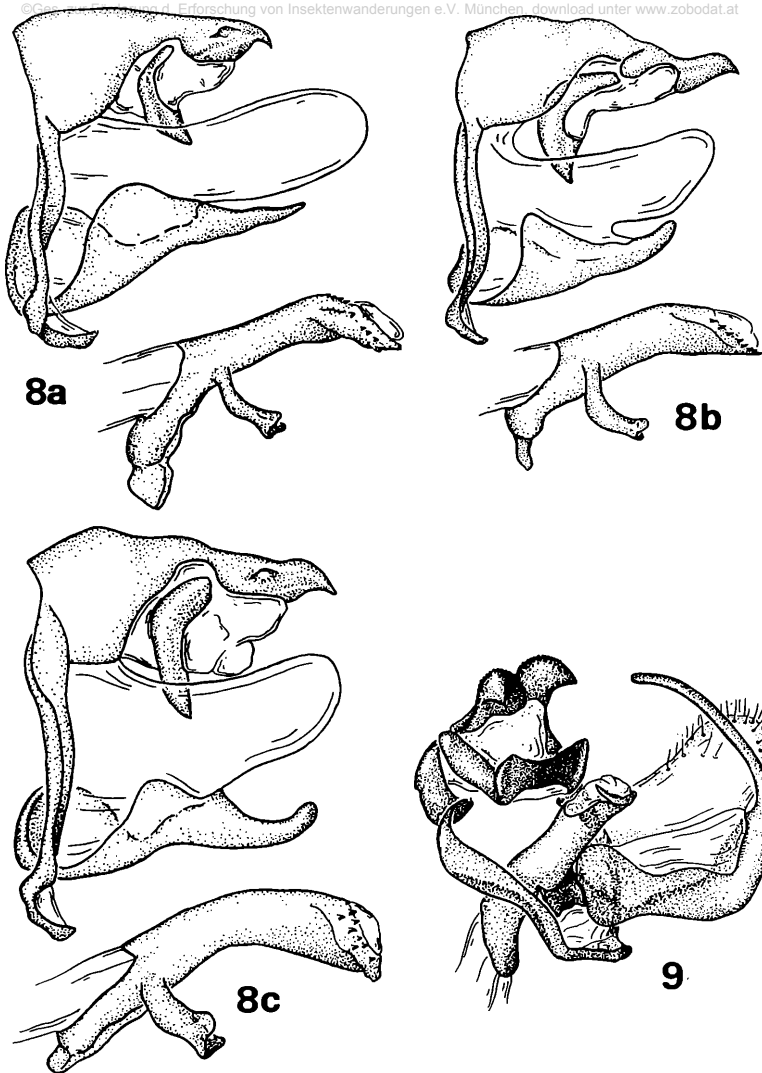


Fig. 8: Male genitalia of *Poecilocampa* spp. – a) *populi* L., b) *tenera* B.-H., c) *tamanukii* MATS.

Fig. 9: Male genitalia of *Trichiura mirzayani kopetdaghi* DUBATOLOV & ZOLOTUHIN subsp. nov., paratype.

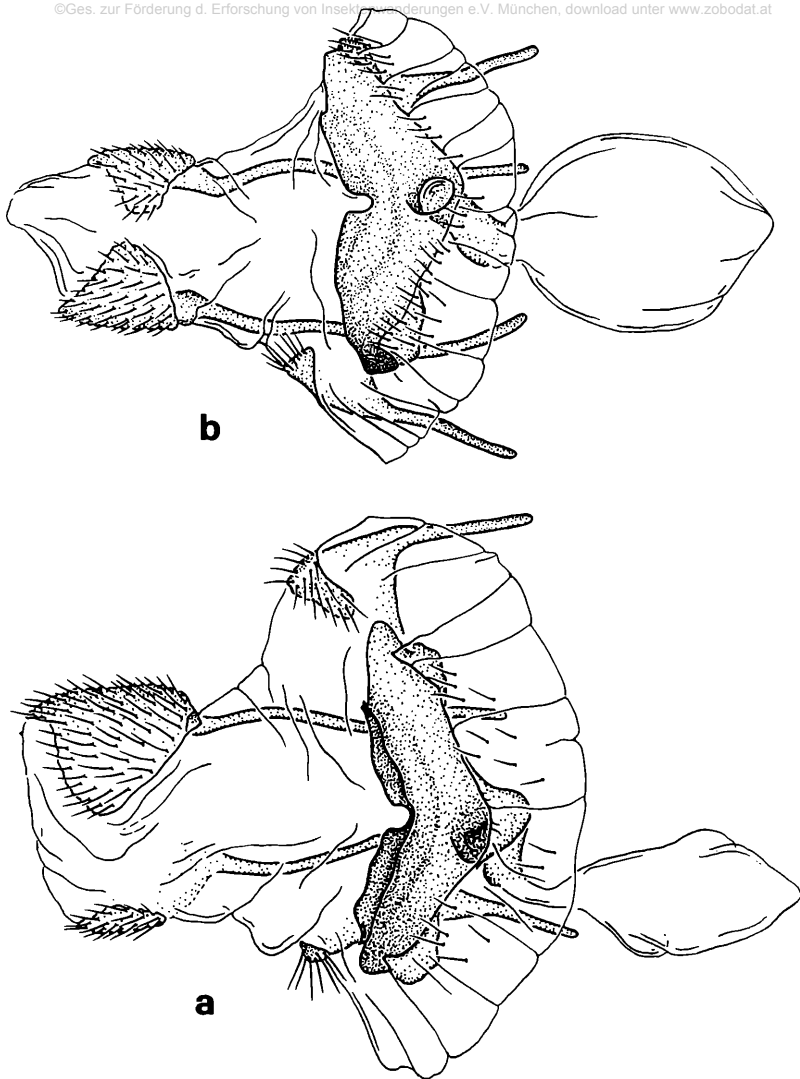


Fig. 10: Female genitalia of *Trichiura* spp. – a) *crataegi crataegi* L., b) *mirzayani kopet-daghi* DUBATOLOV & ZOLOTUHN subsp. nov., paratype.

40. We synonymize *Phyllodesma japonicum ussuriensis* LAJONQUIERE, 1963, and *Ph. j. amurensis* LAJONQUIERE, 1963 because they have no good differential characters. *Ph. j. sachalinensis* LAJONQUIERE, 1963 does not differ in male genitalia and external characters from *Ph. j. japonica* LEECH, too.

43. All specimens of "*Ph. tremulifolium*" and "*Ph. ilicifolium*" we have seen from Caucasus and Transcaucasia actually belong to *Ph. joannisi* LAJONQUIERE, differing from both mentioned species in male genitalia (ZOLOTUHIN, in press).

It is possible, that LAJONQUIERE (1963) gave no correct type locality for *Ph. joannisi*: "Turkmenia, Geok-tepe" Probably this material came from Geok-tapa (now Port-Il'itch, SE-Azerbaijan, on the coast of the Caspian sea).

48. *Phyllodesma jirii* will be described by I. KOSTJUK from the southern part of Chita region (Transbaikalia) in "Vestnik zoologii", Kijev. The specimen figured by HOU (1983: pl. 146, fig. 3055), which is named "*Phyllodesma ilicifolia japonica*", actually belongs to *Ph. jirii* KOSTJUK. HOU reports it from Nei Mongol and NW-China.

58. The only note on *Bhima undulosa* Wlk. for Russia was found in COLLIER (1936) as "Amur"

59. The status of *Streblote primigenum uzbeka* SHELJ., originally described as a species of its own, is doubtful even on subspecific level. We retain it as a subspecies only because of the geographical isolation of *S. p. uzbeka* (West Tian-Shan) from *S. p. primigenum* (Alai mts., Gissar mts.).

Streblote primigenum kuhitanghicum DUBATOLOV & ZOLOTUHIN subsp. nov.

Male (pl. 1, fig. 6): Head and body pink-grey. Tegulae brown with strong white border. Forewings dark grey with contrasting white and brown pattern, hindwings yellow-grey with obvious dark external edge and straight transversal light band. Expanse 38 mm. Abdomen's top with reddish-brown hairs. Genitalia similar to *S. p. primigenum*, differing only in the practically equal development of both cornuti in the vesica.

Female (pl. 1, fig. 7) dark violet-brown with white medial lines on the forewings and curved narrow yellowish transversal band on the hind ones. Expanse 52 mm.

Similar to the nominate subspecies (pl. 1, fig. 5), but differing well in the contrasting colouration, white border of tegulae and straight transversal light band on the hindwings of the males.

The biology is unknown. Moths were collected on the western mountain slopes in the upper part of the *Amygdalus bucharica* zone, 1720m, and on the plateau in the *Juniperus seravschanica* zone, 2180m. Possibly this subspecies has two generations, but the second one could not be collected despite of special attempts.

Distribution: Turkmenia, Kuhitang mts. This is the most western locality known for this species.

Holotype ♂: Turkmenia, Kuhitang mts., a top of Kara-belent mt. near Khelpe-baba sepulchre, 1720m, on light, 11.V.1991, V. V. DUBATOLOV & V. K. ZINTSHENKO.

Paratypes: 3 ♂♂, 1 ♀, same data, 11.-15.V.1991, V. V. DUBATOLOV & V. K. ZINTSHENKO; 1 ♂, Airi-baba mt., 20.V.1991, V. V. DUBATOLOV, G. RONKAY & M. HREBLAY.

Types are deposited in the Zoological Museum of the Biological Institute, Siberian Branch of the Russian Academy of Sciences, Novosibirsk.

61. *Streblote stupidum* STGR. is an extremely rare species, almost solely known from the type series kept in the Zoological Museum of the Humboldt University (Berlin). Only one additional finding was made since its description, although the Primorye territory is very popular to entomologist. TSHISTJAKOV (1981) records this species also for the Himalayas, but HOU (1983) does not mention it from China. COLLIER (1936) notes this species for India, but possibly confused it with large specimens of *Streblote siva* LEF. Additional information on *S. stupidum* is lacking.

65. *Trabala vishnou* LEF. is known from S-Primorye only by two females from a student's collection with doubtful labels.

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