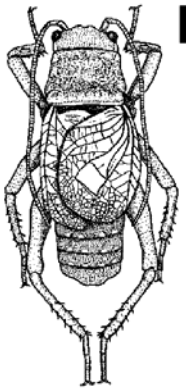

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CONTRIBUTIONS TO THE KNOWLEDGE OF COLEOPTERA FAUNA (INSECTA) OF KUNASHIR, KURIL ISLANDS

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A list of 52 Coleoptera species from the Kunashir is given. Family Scraptiidae and three species: *Scraptia livens* (Scraptiidae), *Podabrus lictorius* and *Trypherus mutilatus* (Cantharidae) are firstly recorded for the Russia. Fore species: *Aspidophorus japonicus* (Sphindidae), *Anadastus praeustus* (Languriidae), *Triplax sibirica* (Erotylidae) and *Scythropus japonicus* (Curculionidae) are firstly reported from Kunashir. One new species of Coccinellidae will be describe separately.

KEY WORDS: Fauna, Coleoptera, Kunashir, Kuril Islands.

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Приводится список 52 видов жесткокрылых с острова Кунашир. Семейство Scraptiidae и 3 вида: *Scraptia livens* (Scraptiidae), *Podabrus lictorius* и *Trypherus mutilatus* (Cantharidae) впервые отмечены для фауны России. 4 вида впервые указаны для Кунашира: *Aspidophorus japonicus* (Sphindidae), *Anadastus praeustus* (Languriidae), *Triplax sibirica* (Erotylidae) и *Scythropus japonicus* (Curculionidae). Новый вид из семейства *Coccinellidae* будет описан отдельно.

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INTRODUCTION

In July-August 1998 during the expedition of International Kuril Island Project (IKIP-98) Drs. A. S. Lelej [AL] and S. Yu. Storozhenko [SS] of the Institute of Biology and Pedology, Vladivostok [IBPV] visited four sites on Kunashir Island. Twice, July 26 and August 22, they explored a deep canyon at the north-western slope of Mendeleyev Volcano, 17 km south of Yuzhno-Kurilsk along the road Yuzhno-Kurilsk-Mendeleyevo. This canyon and unnamed mountain stream which is pouring down in this canyon, touch Okhotsk Sea coast just southwards of the Stolbchatyi Cape. 1.5 km far from sea shore along the stream there are several small hot springs with a few sulphur gases and some temporary bathes constructed by the peoples. Around these hot springs a few beetles have been collected. The canyon valley in the lower part is covered by nemoral broad-leaved forest (*Acer* spp., *Phellodendron sachalinense*, *Magnolia hypoleuca*, *Alnus* spp., etc.) with tall grasses and Kuril bamboo (*Sasa* spp.) on the glades and meadows. The slopes in the upper part of the canyon valley are covered by mixed forest with numerous *Taxus cuspidata.* The other locality in the vicinity of Mendeleyev Volcano, Kislyi Stream in about 1.5 km of its mouth, pouring down from the north-eastern slopes, was explored August 11 by Drs. A. S. Lelej and hydrobiologist V. A. Teslenko. Close to this stream there are also hot springs with sour waters. Kislyi Stream is a tributary of Lesnaya River with mouth near the road Yuzhno-Kurilsk - Mendeleevo (8 km southwards of Yuzhno-Kurilsk). August 11 Dr. S. Yu. Storozhenko collected some Coleoptera at Aliger Lake, near of Lagunnoye Lake. Dlinnoye Lake, which is a lagoon located at the north-eastern of Kunashir, was explored July 28 in open slopes with high grasses during rainy weather.

Totally 88 specimens which belong to 52 species from 22 families have been collected. Some species already known from Kunashir but by a few speciments from a few localities. The additional distribution data for such species are given. One family and 7 species are new for Kunashir. The list of the species is given below. All species were identified by the author. The identification of Curculionidae, except *Scythropus japonicus* and *Trichalophus albonotatus,* confirmed by Dr. A. B. Egorov. The distribution of species follows the last publications. All specimens are deposited in the IBPV.

LIST OF THE SPECIES

Family Cicindelidae - Tiger Beetles

1. *Cicindela* (*Cicindela*) *sachalinensis sachalinensis* A. Morawitz, 1862

Krivolutskaja, 1973: 61 (Kunashir); Kryzhanovskij et al., 1975: 121, 127 (Kunashir); Lafer, 1989a: 97 (Kunashir).

MATERIAL. 1♀: 17 km south of Yuzhno-Kurilsk, 22.VIII 1998, AL.

DISTRIBUTION. Russia: South of Khabarovskii krai and Amurskaya oblast', Primorskii krai, Sakhalin (including Moneron), Kuril Islands (Iturup, Kunashir,

Shikotan). Japan (Hokkaido, Honshu); Korea; China. Nominative subspecies distributed on islands only.

Family Carabidae - Ground Beetles

2. *Nebria* (*Boreonebria*) *subdilatata* Motschulsky, 1844

Kryzhanovskij et al., 1975: 121, 130 (Kunashir); Lafer, 1989a: 103.

MATERIAL. 1♂: Kislyi Stream, 11.VIII 1998, V. A. Teslenko.

DISTRIBUTION. Russia: Siberia from Altai to Magadanskaya oblast', Kamchatka, Primorskii krai, Sakhalin, Kuril Islands (Kunashir). Japan (Hokkaido); north of Korea; north of Mongolia.

3. *Nebria* (*Reductonebria*) *ochotica* R. F. Sahlberg, 1844

Kryzhanovskij et al., 1975: 121, 130 (Kunashir); Lafer, 1989a: 104.

MATERIAL. 1♀: Kislyi Stream, 11.VIII 1998, V. A. Teslenko; 1♂: 17 km south of Yuzhno-Kurilsk, 22. VIII 1998, AL.

DISTRIBUTION. Russia: Siberia from Yakutia and north-east of Irkutskaya oblast' to Magadanskaya oblast', Kamchatka, Primorskii krai, Sakhalin and Kuril Islands (Paramushir, Urup, Iturup, Kunashir). Japan (Hokkaido); Korea.

NOTES. The studied specimens are so small (L 10.0, 10.0 mm, PW 2.95, 2.70 mm, EW 4.10, 3.80 mm) as the ones collected previosly by author at the stream in the vicinity of Mendeleyevo Village.

4. *Pterostichus* (*Adelosia*) *thunbergi* A. Morawitz, 1862

Kryzhanovskij et al., 1975: 123, 135 (Kunashir).

MATERIAL. 1♂: 17 km south of Yuzhno-Kurilsk, 26.VIII 1998, AL.

DISTRIBUTION. Russia: Kuril Islands (Kunashir). Japan (Hokkaido, Honshu).

NOTES. This species is common in Kunashir and Hokkaido.

5. *Amara* (*Bradytus*) *simplicidens* A. Morawitz, 1863

Krivolutskaja, 1973: 68 (Kunashir); Kryzhanovskij et al., 1975: 124 (Kunashir); Lafer, 1980: 53 (Kunashir); Tanaka, 1985: 137, Pl. 25, fig. 24; Lafer, 1989a: 172 (Kunashir).

MATERIAL. 1♀: 17 km south of Yuzhno-Kurilsk, 22. VIII 1998, AL.

DISTRIBUTION. Russia: Sakhalin, Kuril Islands (Iturup, Kunashir). Japan (Hokkaido, Honshu).

NOTES. This species is common in Kunashir.

Family Dytiscidae - Predaceous Diving Beetles

6. *Nebrioporus simplicipes* (Sharp, 1884)

Satô, 1985a: 189, Pl. 34, fig. 3; Lafer, 1989a: 232, 242 (*Potamonectes;* Kunashir).

MATERIAL. 7 ex.: Kislyi Stream, 11.VIII 1998, AL.

DISTRIBUTION. Russia: Sakhalin, Kuril Islands (Kunashir). Japan (Hokkaido, Honshu); Korea.

NOTES. This species placed in *Nebrioporus* Rиgimbart, 1906 by Nilsson & Angus (1992). Three specimens of this species have been collected at the same place earlier [2.VIII 1994, Kislyi Stream, V. Teslenko]. The recent material allows to make conclusion that all specimens from Kislyi Stream (Mendeleyev Volcano)

belong to the light form, with all blackish elytral longitudinal strips separated. Such specimens are known from Japan and Sakhalin also. On the contrary in the specimens from Goryacheye Lake (Kunashir, Golovnin Volcano) black longitudinal strips combined in a single joint dark spot (Lafer, 1989a: 232, fig. 164, 2). Perhaps the differences in elytral design of this species correlate with bottom colour at the water bodies.

Family Silphidae - Carrion Beetles

7. *Phosphuga atrata* Linnaeus, 1758

Krivolutskaja, 1973: 72 (Kunashir); Lafer, 1989b: 343 (Kunashir).

MATERIAL. 1♀: Dlinnoye Lake, 28.VII 1998, AL, SS.

DISTRIBUTION. Transpalaearctic species. In Russian Far East it is known from Magadanskaya oblast' and Kamchatka in the north to Primorskii krai and Sakhalin in the south; Kuril Islands (Paramushir, Iturup, Kunashir, Shikotan). Japan (Hokkaido, Honshu); Korea; China.

Family Scarabaeidae - Scarab Beetles

8. *Anomala rufocuprea* Motschulsky, 1860.

Krivolutskaja, 1973: 79 (Kunashir); Kobayashi, 1985: 402, Pl. 72, fig. 20; Kalinina, 1989: 415.

MATERIAL. 1 ex.: Dlinnoye Lake, 28.VII 1998, AL, SS; Aliger Lake, 11.VIII 1998, SS.

DISTRIBUTION. Russia: Sakhalin, Kuril Islands (Iturup, Kunashir, Shikotan). Japan; Korea; China.

9. *Mimela flavilabris* Waterhouse, 1875

Krivolutskaja, 1973: 78 (Kunashir); Kobayashi, 1985: 398, Pl. 71, fig. 22; Kalinina, 1989: 411.

MATERIAL. 1♂: Kislyi Stream, 11.VIII 1998, AL.

DISTRIBUTION. Russia: Kuril Islands (Kunashir). Japan (Hokkaido, Honshu, Shikoku, Kyushu).

10. *Gnorimus subopacus* Motschulsky, 1860

Krivolutskaja, 1973: 79 (Kunashir); Kobayashi, 1985: 406, Pl. 73, fig. 9; Kalinina, 1989: 431.

MATERIAL. 1♂ : Aliger Lake, 11.VIII 1998, SS.

DISTRIBUTION. Russia: Amurskaya oblast', south of Khabarovskii krai, Primorskii krai, Sakhalin, Kuril Islands (Kunashir). Japan (Hokkaido, Honshu, Shikoku, Kyushu, Tsushima); Korea; North-Eastern China.

Family Buprestidae - Metallic Wood-Boring Beetles

11. *Anthaxia proteus* E. Sauders, 1873

Kurosawa & Tôyama, 1985: 11, Pl. 2, fig. 11; Alexeev, 1992: 700 (Kunashir).

MATERIAL. 1 ex.: Aliger Lake, 11.VIII 1998, SS.

DISTRIBUTION. Russia: Sakhalin, Kuril Islands (Kunashir). Japan (Hokkaido, Honshu, Shikoku, Kyushu, Tsushima); Korea; China.

Family Elateridae - Click Beetles

12. *Ectinus dahuricus* Candиze, 1863

Krivolutskaja, 1973: 88 (Kunashir); Ôhira & Suzuku, 1985: 82, Pl. 14, fig. 9 (Kunashir); Gurjeva, 1989: 531 (Kunashir).

MATERIAL. 5 ex.: Dlinnoye Lake, 28.VII 1998, AL, SS.

DISTRIBUTION. Russia: South of Khabarovskii krai, Primorskii krai, Sakhalin, Kuril Islands (Urup, Iturup, Kunashir, Shikotan). Japan (Hokkaido, Honshu); north of Korea; North-Eastern and Northern China.

13. *Ectinus sericeus* (Candиze, 1878)

Ôhira & Suzuku, 1985: 82, Pl. 14, fig. 8; Gurjeva, 1989: 531 (Kunashir).

MATERIAL. 1 ex.: 17 km south of Yuzhno-Kurilsk, 26.VII 1998, AL; 1♀: Kislyi Stream, 11.VIII 1998, AL.

DISTRIBUTION. Russia: south of Primorskii krai, south of Sakhalin, Kuril Islands (Iturup, Kunashir, Shikotan). Japan (Hokkaido, Honshu, Shikoku, Kyushu, Tsushima).

14. *Dalopius ? ainu* Kishii, 1962

Gurjeva, 1979: 352 (Kunashir); Ôhira & Suzuku, 1985: 83; Gurjeva, 1989: 530.

MATERIAL. 2♂ : Aliger Lake, 11.VIII 1998, SS. 1♀: Kislyi Stream, 11.VIII 1998, AL.

DISTRIBUTION. Russia: Sakhalin, Kuril Islands (Kunashir, Shikotan). Japan (Hokkaido, Rebun, Rishiri).

NOTES. Originally it was described as variety of *D. exilis* Kishii, 1956. This form regarded by Gurjeva (1979; 1989) as species based on larval characters. *D. ainu* in colour and sizes is very similar to *D. patagianus* (Lewis) from Honshu. It is necessary more careful investigation all the three mentioned species.

Family Lycidae - Net-Winged Beetles

15. *Macrolycus flabellatus* Motschulsky, 1860

Krivolutskaja, 1973: 82 (Kunashir); Matsuda & Satô, 1985: 95, Pl. 15, fig. 30; L. Medvedev, 1992a: 22.

MATERIAL. 1♂, 1♀: 17 km south of Yuzhno-Kurilsk, 26.VII 1998, AL.

DISTRIBUTION. Russia: Primorskii krai, Sakhalin, Kuril Islands (Iturup, Kunashir, Shikotan). Japan (Hokkaido, Honshu, Shikoku, Kyushu); Korea; North-Eastern and Eastern China (including Taiwan); Mongolia.

16. *Xylobanus japonicus* Bourgeois, 1902

Matsuda & Satô, 1985: 106, Pl. 17, fig. 16; L. Medvedev, 1992a: 24 (Kunashir).

MATERIAL. 1♀: Kislyi Stream, 11.VIII 1998, V. A. Teslenko.

DISTRIBUTION. Russia: Kuril Islands (Kunashir). Japan (Hokkaido, Honshu).

Family Lampyridae - Firefly Beetles, or Lightningbugs

17. *Lucidina biplagiata* Motschulsky, 1866

Satô, 1985c: 124, Pl. 20, figs. 20, 30 (Kurils).

Lucidina accensa: L. Medvedev & Ryvkin, 1992: 28, fig. 10, 1, 2 (Kunashir).

MATERIAL. 1♀: Kislyi Stream, 11.VIII 1998, A.L.

DISTRIBUTION. Russia: south of Sakhalin including Moneron, Kuril Islands (Iturup, Kunashir, Shikotan). Japan (Hokkaido, Honshu, Shikoku, Kyushu).

NOTES. Medvedev & Ryvkin (1992) regarded *L. biplagiata* as a synonym of *L. accensa*. M. Satô (1985c) regarded both species as separate ones with overlapping distribution in Japan. *L. accensa* (body length 13-15 mm) distributed in Honshu, Shikoku and Kyushu (Satô, 1985c), *L. biplagiata* with body length (7-12 mm) and entirely blackish pronotal base recorded additionally from Sakhalin, Hokkaido and Korea. The Kunashir specimen corresponds *L. biplagiata* Motschulsky by small size (9 mm) and by coloration. Both species are need in additional study.

Family Cantharidae - Soldier Beetles

18. *Podabrus lictorius* Lewis, 1895

Satô, 1985b: 108, Pl. 17, fig. 25.

MATERIAL. 1♀: Aliger Lake, 11.VIII 1998, SS.

DISTRIBUTION. Russia: Kuril Islands (Kunashir). Japan (?Hokkaido, Honshu, Shikoku, Kyushu).

NOTES. This species report herein for Russia firstly. It is differs from sympatric in Kunashir *P. temporalis* Harold by black elytra with narrow yellow strips along suture and lateral margins and by narrow yellow band at elytral base (elytra yellow in *P. temporalis*), by fully blackish posterior part of head.

19. *Podabrus temporalis* Harold, 1873

Satô, 1985b: 108, Pl. 17, fig. 24.

Podabrus macilentus: L. Medvedev, 1992b: 34 (South Kurils).

MATERIAL. 1 ex.: Dlinnoye Lake, 28.VII 1998, AL, SS.

DISTRIBUTION. Russia: Primorskii krai, Sakhalin, Kuril Islands (Kunashir). Japan (Hokkaido, Honshu, Shikoku, Kyushu).

NOTES. There is additional materials of this species from Kunashir in IBPV.

20. *Themus cyanipennis* Motschulsky, 1857

Satô, 1985b: 111, Pl. 18, fig. 9 (South Kurils); L. Medvedev, 1992b: 38 (South Kurils).

MATERIAL. 1 ex.: Dlinnoye Lake, 28.VII 1998, AL, SS; 1♂ : Aliger Lake, 11.VIII 1998, SS.

DISTRIBUTION. Russia: Primorskii krai, Kuril Islands (Kunashir). Japan (Hokkaido, Honshu, Shikoku).

NOTES. According to material in IBPV this species is common in Kunashir.

21. *Rhagonycha ? geniculata* Gebler, 1832

L. Medvedev, 1992b: 36 (Kurils).

MATERIAL. 1 ex.: 17 km south of Yuzhno-Kurilsk, 26.VII 1998, AL.

DISTRIBUTION. Russia: Eastern Siberia, Amurskaya oblast', Magadanskaya oblast', Kamchatka, Kuril Islands. Mongolia.

22. *Trypherus mutilatus* (Kiesenwetter, 1874)

Satô, 1985b: 118, Pl. 19, fig. 34.

Trypherus nipponicus: L. Medvedev, 1992b: 34 (Kunashir).

MATERIAL. 2♂: Kislyi Stream, 11.VIII 1998, AL.

DISTRIBUTION. Russia: Kuril Islands (Kunashir). Japan (?Hokkaido, Honshu).

NOTES. In the collection of IBPV there are additional specimens from Kunashir identified by L. Medvedev as *T. nipponicus*. According to our material *T. mutilatus* is not rare in Kunashir. *T. mutilatus* is newly recorded to Russia.

Family Nitidulidae - Sap Beetles

23. *Epuraea* (*Micrurula*) ? *submicrurula* Reitter, 1884

Hisamatsu, 1985: 182, Pl. 29, fig. 2 (Kunashir); Kirejtshuk, 1992: 136 (Kunashir).

MATERIAL. 1 ex.: Kislyi Stream, 11.VIII 1998, AL.

DISTRIBUTION. Russia: Sakhalin, Kuril Islands (Kunashir). Japan (Hokkaido, Rishiri, Honshu, Shikoku, Kyushu).

Family Sphindidae - Dry Fungus Beetles

24. *Aspidophorus japonicus* Reitter, 1878

Sakai, 1985: 169, Pl. 27, fig. 9; Lafer, 1992a: 233.

MATERIAL. 1♀: 17 km south of Yuzhno-Kurilsk, 26.VIII 1998, AL.

DISTRIBUTION. Russia: Primorskii krai, Kuril Islands (Kunashir). Japan (Hokkaido, Honshu, Shikoku, Kyushu).

NOTES. This species is newly recorded from Kunashir.

Family Languriidae - Lizard Beetles

25. *Anadastus praeustus* (Crotch, 1873)

Sasaji, 1985a: 215, Pl. 34, fig. 20; Shin & al., 1994: 168.

MATERIAL. 1 ex.: 17 km south of Yuzhno-Kurilsk, 26.VII 1998, AL.

NOTES. This species is newly recorded for Russia. A key to species of the genus *Anadastus* Gorham from the Russian Far East is given below:

1. Knees of all legs blackish. Body yellowish orange with blackish elytral apices and last abdominal sternite. Antennae (except three yellowish orange basal segments) and eyes black. Head and pronotum fine sparse punctate. Elytral punctate rows frail, colour of punctures in them is not distinguishes from the main colour of elytra. Larger, 6.5-8.5 mm. Russia: Kuril Islands (Kunashir); Japan (?Hokkaido, Honshu, Sado, Kyushu); Korea; China; South-West Asia . . . . . ***A. praeustus* (Crotch)**

– Knees not blackish. On dorsum at least elytra dark brown (often with greenish or blue tinge), head and pronotum reddish brown or partly more light. Ventrum of body reddish brown to dark brown, legs yellowish or reddish brown, concolorous. Eyes black. Antennal club darkish. Elytral punctate rows sharp, in some places impressed, punctures in the rows often darker than main colour of elytra. Smaller, 3.5-5.5 mm. Russia: South of Khabarovskii krai, Primorskii krai; Japan (Honshu, Kyushu); Korea . . . . . ***A. menetriesi* (Motsch.)**

Family Erotylidae - Pleasing Fungus Beetles

26. *Triplax sibirica* Crotch, 1876

Sasaji, 1985b: 219, Pl. 35, fig. 23; Krivolutskaja, 1992: 302; Shin & al., 1994: 169.

MATERIAL. 1 ex.: 17 km south of Yuzhno-Kurilsk, 26.VII 1998, AL.

DISTRIBUTION. Russia: Eastern Siberia from Baikal Lake to Khabarovskii and Primorskii krai, Kuril Islands (Kunashir). Japan; Korea; China. In China and Korea ssp. *connectens* Lewis.

NOTES. This species is newly recorded from Kuril Islands. The studied specimen differs from ones of Primorskii krai by less distinct and not impressed punctate elytral rows, by weaker punctures on elytral intervals and by fairly blackish segments of antennal club.

Family Coccinellidae - Ladybird Beetles

27. ? Gen., ? sp.

MATERIAL. 1♀: 17 km south of Yuzhno-Kurilsk, 26.VII 1998, AL.

NOTES. The specimen probably belongs to a new taxon and will be described separately.

28. *Adalia conglomerata* (Linnaeus, 1758)

Sasaji, 1971: 249-250, Pl. 13, figs. 2, 3; 1985c: 262, Pl. 42, fig. 29; Kuznetzov, 1992: 361 (Kunashir).

MATERIAL. 1 ex.: Kislyi Stream, 11.VIII 1998, AL.

DISTRIBUTION. Transpalaearctic species. In the Russian Far East it is known from Amurskaya oblast', Khabarovskii and Primorskii krai, Sakhalin, Kuril Islands (Iturup, Kunashir). Japan (Hokkaido, Honshu, Shikoku, Kyushu).

NOTES. The specimen has concolorous brownish yellow elytra.

Family Scraptiidae - Scraptiid Beetles

29. *Scraptia livens* Marseul, 1876

Hatayama, 1985: 398; Lafer, 1992b: 475.

MATERIAL. 1♀: 17 km south of Yuzhno-Kurilsk, 26.VII 1998, AL.

DISTRIBUTION. Russia: Kuril Islands (Kunashir). Japan (?Hokkaido, Honshu, Kyushu, Tsushima).

NOTES. The family Scraptiidae was mentioned as a probable one to Russian Far East (Lafer, 1992b). The single species of this family, *Scraptia livens*, is firstly recorded for Russia. *S. livens*, which is unknown in Hokkaido, has been collected in Kunashir. *S. forticornis* Champ., which is known from Hokkaido, did not discover in Kunashir. Since *S. livens* is newly recorded for Kurils, the detail description of Kunashir specimen is given below.

A small beetle with shape of body elongate and flattened dorso-ventrally, similar to pubescent members of the family Melandryidae, but with head as in family Anthicidae, sharply narrowed behind temporae in rather narrow neck. Dorsum with hemidecumbent short pubescence.Body light brown, pubescence faintly lighter. Antennae, palpi and legs yellow brown. Head hypognathus, subcircular in front view and transverse in dorsal view, with large vertically-oval convex large-faceted eyes, which with distinctive post-antennal emargination. Eyes with short hairs between facets. Maximal width of head at the level of eyes. Temporae shorter than eyes, with rounded hind angles and erect hairs, hind part of head truncate

and abruptly constricted to neck, which twice narrower than maximal head width. Fronto-clypeal suture distinct, arched. Clypeus transverse with straight apex. Labrum transverse and shorter than clypeus. Mandibles short, practically not prominent beyond labrum in pack condition. Antennae 11-segmented, filiform, moderate in length (approximately 1.8 mm), inserted between eyes on frontal lobes overcovering on eyes, antennal bases widely separated. Relations of antennal segments 1-5 (in mm): 0.18 : 1.10 : 0.10 : 0.18 : 0.20; other segments are about as long as the length of segment 5. Segment 1 not large, dilated conically towards apex, segment 2 shortest, cylindrical; two basal segments noticeably tumid. The other segments oblong, cylindrical. Apical segment pointed at apex. Maxillar palpi moderate length, labial palpi short. Apical segments both sharply transverse, securiform (width in 6 times more than its length). Surface of head finely punctate, with erect and in some places hemidecumbent hairs, weak shiny. Pronotum transverse, parallel-sided at posterior half, almost semicircular at anterior half, hind margin weakly convex, hind angles nearly rectangular. Disk weakly convex, impressed along median line, with one longitudinal fovea on each side at pronotal base. Surface rather densely punctate, shagreened between punctures, dull, pubescence. Lateral margins carinate at posterior half, at anterior part rounded and deflexed to venter and marginal border there weak but distinct. Scutellum small, transverse, trapezoidal with rounded angles. Elytra long with straight lateral sides, gradually dilated towards hind third and with rounded shoulders, with rough dense irregular punctures and semidecumbent, directing posterad hairs, hemimat. Elytral suture feebly raised at hind third of elytra. Elytra full. Legs moderate length, pubescented throughout. Tibiae with short apical spurs. Tarsi 5-5-4. Segment 1 in mid and especially in hind tarsi strongly elongate. Hind tarsi segment 1 twice longer than segments 2-4 combined together, cylindrical, weakly curved basally. Penultimate segments lobed apically. Apical segments inserted into impression on dorsal side of penultimate segment.

Measurements (in mm). Body length 3.65, head width at the eyes level 0.63, head width at the level of tempora 0.58, neck width 0.30, maximal pronotal width 0.80, pronotal length medially 0.55, elytral length 2.80, elytral width 1.40, hind tarsus length 0.80, segment 1 of hind tarsus length 0.53.

Family Lagriidae - Lagriid Beetles

30. *Lagria nigricollis* Hope, 1845

Chujô, 1985: 342, Pl. 58, fig. 7; Egorov, 1992: 508 (Kunashir).

MATERIAL. 1♀: 17 km south of Yuzhno-Kurilsk, 22. VIII 1998, AL.

DISTRIBUTION. Russia: Amurskaya oblast', Khabarovskii and Primorskii krai, Sakhalin, Kuril Islands (Kunashir). Japan (Hokkaido, Honshu, Idzu, Shikoku, Kyushu); Korea; North-East and Eastern China.

Family Tenebrionidae - Darkling Beetles

31. *Gonocephalum recticolle* Motschulsky, 1866

Krivolutskaja, 1973: 90 (Kunashir); Chujô & Ando, 1985: 298, Pl. 49, fig. 24; G. Medvedev, 1992: 638 (Kunashir).

MATERIAL. 1 ex. : Aliger Lake, 11.VIII 1998, SS.

DISTRIBUTION. Russia: Sakhalin, Kuril Islands (Iturup, Kunashir). Japan (Hokkaido, Honshu, Shikoku, Kyushu); Eastern China (Taiwan).

32. *Stenophanes mesostena* Solsky, 1871

Chujô & Ando, 1985: 332, Pl. 56, fig. 13; G. Medvedev, 1992: 657, Fig. 313, *1* (Kunashir).

MATERIAL. 1♀: Dlinnoye Lake, 28.VII 1998, AL, SS.

DISTRIBUTION. Russia: Primorskii krai, Sakhalin, Kuril Islands (Urup, Iturup, Kunashir, Shikotan). Japan (Tsushima); Korea.

NOTES. Taxonomic status of the Kuril and Japanese populations must be studied additionally. Chujô & Ando (1985) distinguished three species in Japan: *S. strigipennis* (Marseul) in Hokkaido, *S. rubripennis* (Marseul) in the other large Japanese Islands and *S. mesostena* Solsky in Tsushima. In Kunashir, undoubtedly, must occur Hokkaido species. Probably G. Medvedev studied Far East species insufficiently.

Family Mordellidae - Tumbling Flower Beetles

33. *Anaspis frontalis* (Linnaeus, 1758)

Hatayama, 1985: 398; Odnosum, 1992: 525, fig. 252, 2 (Kunashir).

MATERIAL. 1♀: Dlinnoye Lake, 28.VII 1998, AL, SS.

DISTRIBUTION. Transpalaearctic species. In Russian Far East it is known from Primorskii krai, Sakhalin, Kuril Islands (Iturup, Kunashir, Shikotan). Japan (Hokkaido, Honshu); Korea.

Family Oedemeridae - False Blister Beetles

34. *Chrysanthia viatica* Lewis, 1895

Miyatake, 1985: 404, Pl. 68, fig. 20; Nikitsky, 1996: 17 (Kunashir).

MATERIAL. 1 ex.: Aliger Lake, 11.VIII 1998, SS.

DISTRIBUTION. Russia: Sakhalin, Kuril Islands (Iturup, Kunashir, Shikotan). Japan (Hokkaido, Honshu).

Family Cerambycidae - Longcorn Beetles

35. *Corymbia succedanea* (Lewis, 1879)

Krivolutskaja, 1973: 100 (*Leptura*, Kunashir); Hayashi, 1984: 30, Pl. 5, fig. 23; Ohbayashi et al., 1992: 22, 93, 215,452; Cherepanov, 1996: 82.

MATERIAL. 1♂ : Kislyi Stream, 11.VIII 1998, AL.

DISTRIBUTION. Russia: Amurskaya oblast', south of Khabarovskii krai, Primorskii krai, Sakhalin, Kuril Islands (Iturup, Kunashir, Shikotan). Japan (Hokkaido, Honshu, Shikoku, Kyushu, Tsushima); Korea; North-Eastern China.

36. *Pachytodes cometes* (Bates, 1884)

Krivolutskaja, 1973: 101 (*Judolia*, Kunashir); Hayashi, 1984: 31, Pl. 6, fig. 3; Ohbayashi et al., 1992: 21, 94, 215, 451; Cherepanov, 1996: 83.

MATERIAL. 1♂ : Aliger Lake, 11.VIII 1998, SS; 2 ex : Kislyi Stream, 11.VIII 1998, AL; 4 ex.: the same, 11.VIII 1998, V. A. Teslenko.

DISTRIBUTION. Russia: south of Sakhalin, Kuril Islands (Kunashir, Shikotan). Japan (Hokkaido, Honshu, Shikoku, Kyushu, Tsushima).

37. *Nakanea vicaria* (Bates, 1884)

Krivolutskaja, 1973: 103 (*Strangalia*, Kunashir); Hayashi, 1984: 33, Pl. 7, fig. 4.

MATERIAL. 1♀: 17 km south of Yuzhno-Kurilsk, 22.VIII 1998, AL.

DISTRIBUTION. Russia: south of Sakhalin, Kuril Islands (Kunashir, Shikotan). Japan (Hokkaido, Honshu, Shikoku, Kyushu, Yakushima).

38. *Leptura aetiops* Poda, 1761

Krivolutskaja, 1973: 102 (*Strangalia*, Kunashir); Hayashi, 1984: 31, Pl. 6, fig. 7; Ohbayashi et al., 1992: 98, 216, 454; Cherepanov, 1996: 87.

MATERIAL. 1♂ : Kislyi Stream, 11.VIII 1998, AL.

DISTRIBUTION. Transpalaearctic species. In Russian Far East it is known from Magadanskaya oblast' and Kamchatka to Primorskii krai, Sakhalin, Kuril Islands (Urup, Iturup, Kunashir, Shikotan). Japan (Hokkaido, Honshu, Shikoku, Kyushu); Korea; North-Eastern China; Northern Mongolia.

39. *Leptura ochraceofasciata* (Motschulsky, 1861)

Krivolutskaja, 1973: 102 (*Strangalia*, Kunashir); Hayashi, 1984: 32, Pl. 6, fig. 11; Ohbayashi et al., 1992: 455; Shin et al., 1994: 181; Cherepanov, 1996: 86 (Kunashir).

MATERIAL. 1♀: Aliger Lake, 11.VIII 1998, SS; 1♀: 17 km south of Yuzhno-Kurilsk, 22.VIII 1998, AL.

DISTRIBUTION. Russia: south of Sakhalin, Kuril Islands (Kunashir). Japan; Korea.

40. *Chloridolum* (*Leontium*) *viride* (Thomson, 1864)

Krivolutskaja, 1973: 104 (*Leontium*, Kunashir); Hayashi, 1984: 61, Pl. 12, fig. 14; Ohbayashi et all, 1992: 133, 275, 330, 504; Shin et al., 1994: 183; Cherepanov, 1996: 96 (*Leontium*, Kunashir).

MATERIAL. 1 ex. : Kislyi Stream, 11.VIII 1998, AL.

DISTRIBUTION. Russia: south of Sakhalin, Kuril Islands (Kunashir, Shikotan). Japan; Korea; Eastern China (including Taiwan).

Family Chrysomelidae - Leaf Beetles

41. *Chrysolina aurichalcea* (Mannerheim, 1825)

Krivolutskaja, 1973: 119 (Kunashir); Kimoto, 1984: 175, Pl. 34, fig. 6; L. Medvedev, 1992c: 566.

MATERIAL. 2 ex., ten.: Dlinnoye Lake, 28.VII 1998, AL, SS.

DISTRIBUTION. Transpalaearctic species. In Russian Far East it is known from Amurskaya oblast', Magadanskaya oblast', Khabarovskii and Primorskii krai, Sakhalin, Kuril Islands (Kunashir, Shikotan). Japan; Korea; China; Vietnam; Myanmar.

42. *Chrysolina exanthematica* (Wiedeman, 1821)

Krivolutskaja, 1973: 119 (Kunashir); Kimoto, 1984: 176, Pl. 34, fig. 8; L. Medvedev, 1992c: 565; Shin et al., 1994: 193.

MATERIAL. 2♀: Aliger Lake, 11.VIII 1998, SS.

DISTRIBUTION. Russia: south of Siberia to Khabarovskii krai and Primorskii krai, Sakhalin, Kuril Islands (Kunashir). Japan (Hokkaido, Honshu, Shikoku, Kyushu); Korea; China; Mongolia; India.

43. *Stenoluperus cyaneus* (Baly, 1874)

Krivolutskaja, 1973: 122 (Kunashir); Kimoto, 1984: 187, Pl. 36, fig. 21; L. Medvedev, 1992c: 582.

MATERIAL. 2 ex.: Dlinnoye Lake, 28.VII 1998, AL, SS.

DISTRIBUTION. Russia: Kuril Islands (Iturup, Kunashir, Shikotan). Japan (Hokkaido, Honshu, Kyushu).

44. *Atrachya menetriesi* (Faldermann, 1835)

Krivolutskaja, 1973: 122 (Kunashir); Kimoto, 1984: 190, Pl. 37, fig. 8; L. Medvedev, 1992c: 584; Shin et al., 1994: 194.

MATERIAL. 1♂: Aliger Lake, 11.VIII 1998, SS.

DISTRIBUTION. Russia: Amurskaya oblast', south of Khabarovskii krai, Primorskii krai, Sakhalin, Kuril Islands (Iturup, Kunashir). Japan (Hokkaido, Honshu, Shikoku, Kyushu); Korea; North-Eastern and Eastern China.

45. *Asiorestia sublaevis* Motschulsky, 1859

Krivolutskaja, 1973: 122 (Kunashir); L. Medvedev, 1992c: 585, 586, fig. 272, 3.

MATERIAL. 1♂: Aliger Lake, 11.VIII 1998, SS.

DISTRIBUTION. Transpalaearctic species. In Russian Far East it is known from Amurskaya oblast', south of Khabarovskii krai, Primorskii krai, Kuril Islands (Iturup, Kunashir, Yuriy). Japan (Hokkaido, Honshu, Shikoku, Kyushu).

NOTES. L. Medvedev (1992c) regards Japanese *A. laevicollis* (Jacoby) (Kimoto, 1984) as a synonym of *A. sublaevis*.

46. *Longitarsus lewisii* Baly, 1874

Krivolutskaja, 1973: 122 (Kunashir); L. Medvedev, 1992c: 591; Shin et al., 1994: 197.

MATERIAL. 1 ex: Aliger Lake, 11.VIII 1998, SS.

DISTRIBUTION. Russia: Sakhalin, Kuril Islands (Iturup, Kunashir, Shikotan, Yuriy). Japan; Korea; Eastern China.

NOTES. From Japan it was reported by Krivolutskaja (1973) and L. Medvedev (1992c) but Kimoto (1984) did not mention this species from Japan.

47. *Aphthona perminuta* Baly, 1875

Krivolutskaja, 1973: 122 (Kunashir); Kimoto, 1984: 200, Pl. 39, fig. 7; L. Medvedev, 1992c: 594; Shin et al., 1994: 196.

MATERIAL. 1 ex.: 17 km south of Yuzhno-Kurilsk, 26.VII 1998, AL.

DISTRIBUTION. Russia: Primorskii krai, Sakhalin, Kuril Islands (Iturup, Kunashir, Shikotan); Japan (Hokkaido, Honshu, Sado, Shikoku, Kyushu, Tsushima); Korea; Eastern China (including Taiwan).

Family Curculionidae - Snout Beetles, or Weevils

48. *Hylobius* (*Hylobitelus*) *gebleri* (Boheman, 1834)

Morimoto, 1984: 327, Pl. 64, fig. 19; Shin et al., 1994: 206; Egorov et al., 1996: 444 (Kunashir).

MATERIAL. 1 ex.: Dlinnoye Lake, 28.VII 1998, AL, SS.

DISTRIBUTION. Russia: Southern Siberia from Altai to Khabarovskii krai, Primorskii krai, Sakhalin, Kuril Islands (Iturup, Kunashir, Shikotan). Japan (Hokkaido, Honshu); Korea.

49. *Larinus griseopilosus* Roelofs, 1874

Morimoto, 1984: 287-288, Pl. 56, fig. 18; Shin et al., 1994: 205; Egorov et al., 1996: 278 (Kunashir).

MATERIAL. 4 ex.: Dlinnoye Lake, 28.VII 1998, AL, SS.

DISTRIBUTION. Russia: Sakhalin, Kuril Islands (Urup, Iturup, Kunashir). Japan (Hokkaido, Honshu, Shikoku, Kyushu); Korea.

50. *Trichalophus albonotatus* (Motschulsky, 1860)

Morimoto, 1984: 282, Pl. 55, fig. 26 (Kurils, Hokkaido).

Trichalophus rubripes: Egorov et al., 1996: 498 (Kunashir, Japan).

MATERIAL. 2 ex.: Dlinnoye Lake, 28.VII 1998, AL, SS; 1♀: Aliger Lake, 11.VIII 1998, SS

DISTRIBUTION. Russia: Eastern Siberia from Irkutskaya oblast' to Khabarovskii krai, Primorskii krai, Sakhalin, Kuril Islands (Iturup, Kunashir). Japan (Hokkaido), Korea, North-Eastern China.

NOTES. *T. rubripes* Reitter not mentioned by Morimoto (1984) from Japan. Both species are very related and probably *T. rubripes* is a synonym of *T. albonotatus*.

51. *Scythropus japonicus* Hustache, 1920

Morimoto, 1984: 280, Pl. 55, fig. 11; Shin et al., 1994: 206.

MATERIAL. 2 ex.: Dlinnoye Lake, 28.VII 1998, AL, SS.

DISTRIBUTION. Russia: Kuril Islands (Kunashir); Japan (Hokkaido, Honshu); Korea.

NOTES. This species is new to Russia. Egorov & Basarukina (1981: 26) recorded *S. ornatus* (Matsumura) from southern Kurils (IBPV collection). *S. japonicus* distinguishes from *S. ornatus* by narrower parallel-sided elytra and by mainly green squamas on the upper surface of body.

52. *Catapionus viridimetallicus* (Motschulky, 1860)

Egorov & Basarukina, 1981: 27 (South Kurils); Morimoto, 1984: 277, Pl. 54, fig. 23.

MATERIAL. 2 ex.: Dlinnoye Lake, 28.VII 1998, AL, SS.

DISTRIBUTION. Russia: Khabarovskii krai,Primorskii krai, Sakhalin, Kuril Islands (Kunashir). Japan; Korea; North-Eastern China.

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