

Preliminary List of Beetles (Insecta: Coleoptera) Collected from the Kamchatka Peninsula and the North Kuril Islands in 1996–1997

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Abstract The beetles which are referred to 60 species belonging to the following 19 families are recorded from the Kamchatka Peninsula and North Kuril Islands (number of species are given in parentheses for each family): Histeridae (1), Helodidae (1), Byrrhidae (1), Elateridae (9), Cucujidae (1), Cryptophagidae (1), Byturidae (1), Erotylidae (2), Cerylonidae (1), Coccinellidae (5), Lathridiidae (5), Mordellidae (1), Cephaloidae (1), Scaptiidae (2), Salpingidae (2), Lagriidae (1), Tenebrionidae (1), Cerambycidae (9), Chrysomelidae (15). Fifty two species are recorded from Kamchatka, nine species from Paramushir I., four species from Shumshu I. Two species of Cerambycidae are recorded from the Kamchatka Peninsula for the first time.

Key words: Kamchatka Peninsula, North Kuril Islands, Paramushir I., Shumshu I., Coleoptera.

Kano (1933) recorded 33 species of beetles from the North Kuril Islands and discussed the beetle fauna of these islands for the first time. Kôno (1944) recorded additional species, and by that time, 63 species were recorded from the North Kuril Islands. Subsequently beetles in the Russian Far East have been studied well by the Russian entomologists. Kryvolutskaja (1973) discussed the insects fauna of the Kuril Islands. Recently, three volumes of "Key to the insects of Russian Far East, Vol. III, Coleoptera" were published (Ler. P. A. (ed.), 1989, 1992, 1996).

The Biological Expedition to the Kamchatka Peninsula and the North Kuril Islands was carried out in 1996 and 1997. It is a part of a project entitled "The Origin and Biogeography of the Northeast Asian Biota", in cooperation with the Institute of Biology and Pedology and the Institute of Marine Biology belonging to the Far Eastern Branch of the Russian Academy of Sciences, Vladivostok. Although identification of the specimens has not been completed, in this paper, a preliminary list is presented based on the specimens collected during the expedition.

Specimens were collected by using an entomological net, beating net, aquatic net and baited pit traps. Identification was done by

specialists (Table 1) and a list was compiled by the author. Most specimens examined are preserved in the Natural History Museum and Institute, Chiba (CBM with code of ZI). Beetles were collected from 30 stations in the Kamchatka Peninsula during the periods 3rd to 17th July 1996, 7th to 10th July 1997 and 27th July to 5th August 1997, 10 stations in Paramushir Island of the North Kuril Islands during the periods 11th to 20th July 1997 and 24th to 25th July 1997, and a single station in Shumshu Island of the North Kuril Islands during the periods 21st to 23rd July. Detailed data of the stations are shown in Table 2.

Results

Up to the present, 60 species belonging to 19 families of Coleoptera were recorded. The families which are recorded in this paper are as follows (the number of the species is given in parentheses): Histeridae (1), Helodidae (1), Byrrhidae (1), Elateridae (9), Cucujidae (1), Cryptophagidae (1), Byturidae (1), Erotylidae (2), Cerylonidae (1), Coccinellidae (5), Lathridiidae (5), Mordellidae (1), Cephaloidae (1), Scaptiidae (2), Salpingidae (2), Lagriidae (1), Tenebrionidae (1), Cerambycidae (9), Chrysomelidae (15). Fifty two species were recorded from the Kamchatka Peninsula, nine spe-

Table 1. A list of identifiers of the specimens of each family

Family	Identifiers	
Histeridae	Masahiro Ôhara	Hokkaido University
Helodidae	Hiroyuki Yoshitomi	Bioindicator Co. Ltd., Tokyo
Byrrhidae	Haruo Takizawa	Hasuda, Saitama
Elateridae	Wataru Suzuki	Hosei Second High School
Cucujidae	Hiroyuki Sasaji	Fukui University
Cryptophagidae	Hiroyuki Sasaji	Fukui University
Byturidae	Hiroyuki Sasaji	Fukui University
Erotylidae	Hiroyuki Sasaji	Fukui University
Cerylonidae	Hiroyuki Sasaji	Fukui University
Coccinellidae	Hiroyuki Sasaji	Fukui University
Lathridiidae	Hiroyuki Sasaji	Fukui University
Mordellidae	Shigehiko Shiyake	Osaka Museum of Natural History
Cephaloidae	Hiroyuki Sasaji	Fukui University
Scaptiidae	Shigehiko Shiyake	Osaka Museum of Natural History
Salpingidae (part)	Hiroyuki Sasaji	Fukui University
Salpingidae (part)	Akiko Saito	Natural History Museum and Institute, Chiba
Lagriidae	Hiroyuki Sasaji	Fukui University
Tenebrionidae	Akiko Saito	Natural History Museum and Institute, Chiba
Cerambycidae	Akiko Saito	Natural History Museum and Institute, Chiba
Chrysomelidae	Haruo Takizawa	Hasuda, Saitama

cies from Paramushir Island, four species from Shumshu Island. Two species of Cerambycidae are recorded from the Kamchatka Peninsula for the first time. Leiodidae, Silphidae, Agyrtidae, Staphylinidae and Curculionidae are dealt with in other papers of this volume (Nishikawa, 2000; Naomi *et al.*, 2000; Morimoto, 2000).

List of Collected Species

Collection data are arranged in the following order: collection site (for detailed information of the collection sites, see Table 2), number of the specimens examined, date, collector's name (abbreviated as follows: AS = Akiko Saito, RBK = Ryoichi Kuranishi, TO = Takayuki Odajima, TK = Tomoyuki Komai), registration number(s) of the Natural History Museum and Institute, Chiba (CBM, with code of ZI). Identifier is given with parentheses after each family or species name. The specimens without registration number are not returned from the identifiers.

Family Histeridae

(Identified by M. Ôhara)

Margarinotus (Ptomister) striola striola (C. R. Sahlberg)

KP-35: 1 ex., 8. vii. 1997, AS, CBM-ZI 80888;

KP-37: 1 ex., 9. vii. 1997, AS, CBM-ZI 80886;
KP-38: 1 ex., 10. vii. 1997, AS, CBM-ZI 80887.

Family Helodidae

(Identified by H. Yoshitomi)

Cyphon variabilis (Thunberg)

KP-9: 1 ex., 13. vii. 1996, RBK, CBM-ZI 82348; KP-10: 1 ex., 14. vii. 1996, RBK, CBM-ZI 82349; KP-29: 1 ex., 12. vii. 1996, RBK, CBM-ZI 82347; KP-13a: 1 ex., 7. vii. 1997, AS, CBM-ZI 82350; KP-18: 1 ex., 30. vii. 1997, AS, CBM-ZI 82351.

Family Byrrhidae

(Identified by H. Takizawa)

Byrrhus fasciatus daisetsuzanus Kono

NKS-1: 2 exs., 21. vii. 1997, AS, CBM-ZI 82345, 82346.

Family Elateridae

(Identified by W. Suzuki)

Ampedus dilutipes (Motschulsky)

KP-13a: 1 ex., 7. vii. 1997, AS, CBM-ZI 82172.

Denticollis varians (Germar)

KP-29: 1 ex., 8. vii. 1996, RBK, CBM-ZI 82171; KP-16: 1 ex., 27. vii. 1997, TO, CBM-ZI

Table 2. A list of collection site

No.	Collection site
Kamchatka Peninsula	
KP-1	5 km west of Mt. Vilyuchinsky, (52°42'N, 158°10'E), alt. ca. 154 m
KP-2	Bystraya River (Riverside), 11 km north of Malka, (53°26'N, 157°32'E), alt. ca. 220 m
KP-4	Bystraya River (Riverside), 70 km north of Malka, (53°58'N, 157°45'E), alt. ca. 470 m
KP-5	Pravaya River (Upper part), 23 km south of Pushchino, (54°01'N, 157°51'E), alt. ca. 540 m
KP-7	Basin of Bystraya River, 10 km southeast of Anavgay, (56°02'N, 159°04'E), alt. ca. 310 m
KP-9	Inlet small stream, Azhabach'ye Lake (left side), (56°09'N, 161°55'E), alt. ca. 20 m
KP-10	Djakonovskoje Lake near Azhabach'ye Lake, (56°10'N, 161°57'E), alt. ca. 20 m
KP-11	Athal Stream, near Azhabach'ye Lake, (52°25'N, 157°30'E), alt. ca. 20 m
KP-13	10 km south of Paratunka (52°53'N, 158°11'E), alt. ca. 100 m
KP-13a	5 km south of Paratunka (52°57'N, 158°14'E), alt. ca. 120 m
KP-13c	14 km south of Paratunka (52°50'N, 158°09'E)
KP-14	Tikhayia River, about 30km from Petropavlovsk-Kamchatskiy (53°05'N, 158°22'E), alt. ca. 40 m
KP-15	Nagorni, near Petropavlovsk-Kamchatskiy (53°07'N, 158°31'E)
KP-16	Poperechnaya River, Bystraya River basin, 17 km from main road (53°23'N, 157°41'E), alt. ca. 320 m
KP-17	Poperechnaya River, Bystraya River basin, 17 km from main road (53°23'N-22'N, 157°41'E), alt. 320-1020 m
KP-18	Bystraya River basin, 30 km north of Ganaly (53°58'N, 157°45'E), alt. ca. 390 m
KP-19	Mt. Vachkazhets, Upper part of Takhkoloch River, Basin of Plotnikova (53°05'N, 157°55'E), alt. ca. 550 m
KP-19a	Mt. Vachkazhets, Upper part of Takhkoloch River, Basin of Plotnikova (53°05'N, 157°53'E), alt. ca. 470 m
KP-20	Mt. Vachkazhets, Upper part of Takhkoloch River, Basin of Plotnikova (53°04'N, 157°55'E-56'E), alt. 550-730 m
KP-21	Lagernaya Bay, 6 km S. E. from Petropavlovsk-Kamchatskiy (52°55'N, 158°41'E), alt. ca. 10 m
KP-22	Ebet Mountains (South part), 42 km northwest Ust Kamchatsk, (56°30'N, 161°60'E), alt. ca. 150 m
KP-23	Mt. Vachkazhets, Upper part of Takhkoloch River, Basin of Plotnikova (53°04'N, 157°50'E), alt. ca. 400 m
KP-26	Kozyrevka River (Riverside), 135 km north of Milkovo, (55°50'N, 159°35'E)
KP-29	30 km southwest of Milkovo, (54°31'N, 158°24'E), alt. ca. 230 m
KP-31	Lotnaya River (Riverside), near Azhabach'ye Lake, (56°07'N, 161°50'E), alt. ca. 20 m
KP-32	Riverside, 25 km west of Klyuchi, (56°19'N, 160°24'E), alt. ca. 150 m
KP-35	Paratunka River
KP-36	Paratunka Hot spring
KP-37	Petropavlovsk-Kamchatskiy
KP-38	Bystraya River (53°10'N, 158°33'E)
Paramushir Island, North Kuril Islands	
NKP-1	Matrosskaya River, near Severo-Kuril'sk
NKP-2	Matrosskaya River, near Severo-Kuril'sk (50°40'N, 156°05'E), alt. 30-128 m
NKP-3	3-8 km south of Severo-Kuril'sk (50°38'N, 156°08'E), alt. 5-30 m
NKP-4	Shelekhovo (50°22'N, 155°37'E), alt. ca. 10 m
NKP-5	Shelekhovo to Shimoyur River (50°22'N, 155°37'E-34'E), alt. 0-100 m
NKP-6	Shelekhovo to Medvezhiy Waterfall (50°22'N-23'N, 155°37'E-39'E), alt. 0-10 m
NKP-7	4 km north of Severo-Kuril'sk (50°43'N, 156°08'E), alt. ca. 100 m
NKP-8	Severo-Kuril'sk
NKP-9	Mt. Ebeko (50°41'N, 156°03'E), alt. 200-960 m
NKP-10	Shelekhovo (50°22'N, 155°37'E), alt. ca. 1 m
Shumshu Island, North Kuril Islands	
NKS-1	Lake Bol'shoye (50°46'N, 156°15'E), alt. ca. 15 m

82170.

***Fleutiauxellus* sp.**

NKP-9: 3 exs., 14. vii. 1997, AS, CBM-ZI 82101–82103; NKP-7: 1 ex., 24. vii. 1997, AS, CBM-ZI 82104.

***Hypnoidus rivularius* (Gyllenhal)**

KP-37: 1 ex., 9. vii. 1997, AS, CBM-ZI 82163; KP-16: 6 exs., 27. vii. 1997, TO, CBM-ZI 82157–82162; KP-18: 1 ex., 30. vii. 1997, AS, CBM-ZI 82154; 1 ex., 29. vii. 1997, TK, CBM-ZI 82155; KP-18: 16 exs., 30. vii. 1997, AS, by baited pit trap, CBM-ZI 82138–82153; KP-19: 1 ex., 1. viii. 1997, TK, CBM-ZI 82156; NKP-8: 1 ex., 11. vii. 1997, AS, CBM-ZI 82164; NKP-7: 6 exs., 24. vii. 1997, AS, CBM-ZI 82132–82137.

***Hypolithus littoralis convexum*
(Miwa)**

NKP-8: 4 exs., 11–25. vii. 1997, TK, CBM-ZI 80889–80891, 80958; NKP-3: 4 exs., 13. vii. 1997, AS, CBM-ZI 80953–80956; NKP-5: 1 ex., 17. vii. 1997, AS, CBM-ZI 80915; NKP-6: 23 exs., 18. vii. 1997, AS, CBM-ZI 80892–80914; NKP-4: 1 ex., 19. vii. 1997, AS, CBM-ZI 80957; NKP-10: 34 exs., 20. vii. 1997, AS, CBM-ZI 80919–80952; NKS-1: 1 ex., 22. vii. 1997, AS, CBM-ZI 80916; 2 exs., 22–23. vii. 1997, AS & RBK, CBM-ZI 80917, 80918.

***Liotrichus affinis kurilensis* (Miwa)**

KP-1: 3 exs., 3. vii. 1996, RBK, CBM-ZI 82127–82129; KP-32: 1 ex., 10. vii. 1996, RBK, CBM-ZI 82130; KP-35: 1 ex., 8. vii. 1997, AS, CBM-ZI 82125; KP-14: 1 ex., 9. vii. 1997, AS, CBM-ZI 82121; KP-38: 1 ex., 10. vii. 1997, AS, CBM-ZI 82105; KP-15: 1 ex., 10. vii. 1997, RBK, CBM-ZI 82131; KP-16: 2 exs., 27. vii. 1997, AS, CBM-ZI 82110, 82111; KP-17: 3 exs., 28. vii. 1997, AS, CBM-ZI 82112–82114; KP-16: 2 exs., 28. vii. 1997, AS, by baited pit trap, CBM-ZI 82115, 82116; KP-19: 2 exs., 3. viii. 1997, AS, by baited pit trap, CBM-ZI 82119, 82120; KP-23: 2 exs., 4. viii. 1997, AS, CBM-ZI 82117, 82118; NKP-2: 1 ex., 12. vii. 1997, AS, CBM-ZI 82126; NKP-3: 1 ex., 13. vii. 1997, AS, CBM-ZI 82124; NKP-9: 3 exs., 14. vii. 1997, AS, CBM-ZI 82106–82108; NKP-4: 2 exs., 19. vii. 1997, AS, CBM-ZI 82122, 82123; NKS-1: 1 ex., 22. vii. 1997, AS, CBM-ZI 82109.

***Prostemon tessellatum* (Linnaeus)**

KP-21: 5 exs., 5. viii. 1997, AS, CBM-ZI 82165–82169.

***Selatosomus (Pristilophus) melancholicus*
(Fabricius)**

KP-5: 3 exs., 7. vii. 1996, RBK, CBM-ZI 82092–82094; KP-13a: 2 exs., 7. vii. 1997, AS, CBM-ZI 82095, 82096.

***Selatosomus (Selatosomus) gloriosus*
(Kishii)**

KP-20: 3 exs., 2. viii. 1997, AS, CBM-ZI 82098–82100.

Family Cucujidae
(Identified by H. Sasaji)

***Pediacus fuscus* Herbst**

KP-16: 2 exs., 29. vii. 1997, AS, by baited pit trap.

Family Cryptophagidae
(Identified by H. Sasaji)

***Antherophagus nigricornis* (Fabricius)**

KP-14: 1 ex., 9. vii. 1997, AS.

Family Byturidae
(Identified by H. Sasaji)

***Byturus* sp.**

KP-13a: 13 exs., 7. vii. 1997, AS; KP-35: 1 ex., 8. vii. 1997, AS; KP-38: 1 ex., 10. vii. 1997, AS.

Family Erotylidae
(Identified by H. Sasaji)

***Triplax japonica* Crotch**

KP-16: 2 exs., 23. vii. 1997, AS.

***Triplax aenea* Schaller**

KP-1: 1 ex., 7. vii. 1997, RBK; KP-19: 1 ex., 1. viii. 1997, AS.

Family Cerylonidae
(Identified by H. Sasaji)

***Cerylon sharpi* Nakane**

KP-16: 1 ex., 27. vii. 1997, AS.

Family Coccinellidae
(Identified by H. Sasaji)

***Coccinella septempunctata* Linnaeus**

KP-9: 1 ex., 13. vii. 1996, RBK; KP-13a: 3 exs., 7. vii. 1997, AS; KP-14: 1 ex., 9. vii. 1997, TK.

***Anatis ocellata* (Linnaeus)**

KP-31: 1 ex., 12. vii. 1996, RBK.

***Calvia* (*Anisocalvia*) *quatuordecimguttata* (Linnaeus)**

KP-35: 1 ex., 8. vii. 1997, AS.

***Hippodamia tredecimpunctata* (Linnaeus)**

KP-15: 3 exs., 10. vii. 1997, AS.

***Adalia bipunctata* Linnaeus**

KP-37: 3 exs., 9. vii. 1997, AS.

Family Lathridiidae
(Identified by H. Sasaji)

***Stephostethus chinensis* Reitter**

NKP-3: 5 exs., 13. vii. 1997, AS.

***Cartodere constricta* (Hummel)**

KP-16: 1 ex., 27. vii. 1997, TO.

***Corticaria linearis* Paykull**

KP-16: 1 ex., 27. vii. 1997, AS.

***Corticaria* sp.1**

KP-19: 1 ex., 4. viii. 1997, AS, by baited pit trap.

***Corticaria* sp. 2**

KP-18: 1 ex., 30. vii. 1997, TK.

Family Mordellidae
(Identified by S. Shiyake)

***Mordella* sp.**

KP-13: 1 ex., 7. vii. 1997, RBK, CBM-ZI 82208; KP-13a: 1 ex., 7. vii. 1997, AS, CBM-ZI 82207.

Family Cephaloidae
(Identified by H. Sasaji)

***Scotodes annulatus* Escherich**

KP-32: 2 exs., 10. vii. 1996, RBK; KP-15: 2 exs., 10. vii. 1997, AS.

Family Scraphiidae
(Identified by S. Shiyake)

***Anaspis infuscata* Motschulsky**

KP-32: 10 exs., 10. vii. 1996, RBK, CBM-ZI 82174–82180, CBM-ZI 82231–82233; KP-22: 1 ex., 11. vii. 1996, RBK, CBM-ZI 82173; KP-31: 1 ex., 12. vii. 1996, RBK, CBM-ZI 82205; KP-1: 2 exs., 7. vii. 1997, AS, CBM-ZI 82198, 82199; KP-13a: 4 exs., 7. vii. 1997, AS, CBM-ZI 82209–82212; KP-35: 2 exs., 8. vii. 1997, AS, CBM-ZI 82200, 82229; KP-14: 4 exs., 9. vii. 1997, AS, CBM-ZI 82201, 82214–82216; KP-38: 3 exs., 10. vii. 1997, AS, CBM-ZI 82196–82197, 82213; KP-17: 2 exs., 28. vii. 1997, AS, CBM-ZI 82202, 82217; KP-16: 2 exs., 29. vii. 1997, AS, by baited pit trap, CBM-ZI 82203, 82218; KP-18: 1 ex., 30. vii. 1997, AS, CBM-ZI 82230; KP-19: 2 exs., 1. viii. 1997, AS, CBM-ZI 82204, 82219; KP-19a: 24 exs., 3. viii. 1997, AS, CBM-ZI 82181–82195, CBM-ZI 82220–82228.

***Anaspis frontalis* (Linnaeus)**

KP-16: 1 ex., 27. vii. 1997, AS, CBM-ZI 82206.

Family Salpingidae

***Sphaeriestes* sp. aff. *niponicus* Lewis**
(Identified by H. Sasaji)

KP-14: 1 ex., 9. vii. 1997, TK.

***Aegialites stejneri sugiharai* Kôno**
(Identified by A. Saito)

NKP-6: 18 exs., 18. vii. 1997, AS, CBM-ZI 80826–80843.

Family Lagriidae
(Identified by H. Sasaji)

***Schizotus fuscicollis* (Mannerheim)**

KP-13a: 4 exs., 7. vii. 1997, AS; 2 exs., 7. vii. 1997, RBK; KP-14: 2 exs., 9. vii. 1997, AS; KP-38: 5 exs., 10. vii. 1997, AS; KP-16: 14 exs., 27.

vii. 1997, AS; KP-19: 4 exs., 1–3. viii. 1997, AS.

Family Tenebrionidae

(Identified by A. Saito)

***Emysara riederii* (Faldermann)**

NKP-8: 1 ex., 11–25. vii. 1997, TK, CBM-ZI 80874; NKP-6: 5 exs., 18. vii. 1997, AS, CBM-ZI 80869–80873; NKP-4: 4 exs., 19. vii. 1997, RBK, CBM-ZI 80875–80878; NKP-10: 7 exs., 20. vii. 1997, AS, CBM-ZI 80862–80868.

Family Cerambycidae

(Identified by A. Saito)

***Tetropium castaneum* Linnaeus**

KP-14: 1 ex., 9. vii. 1997, TK, CBM-ZI 80780.

***Judolia sexmaculata* (Linnaeus)**

KP-13c: 1 ex., 7. vii. 1997, RBK, CBM-ZI 80740; KP-13a: 1 ex., 7. vii. 1997, AS, CBM-ZI 80739; KP-14: 3 exs., 9. vii. 1997, AS, CBM-ZI 80733–80735; KP-16: 1 ex., 27. vii. 1997, AS, CBM-ZI 80732; KP-29: 1 ex., 8. vii. 1996, RBK, CBM-ZI 80741; KP-19: 1 ex., 1. viii. 1997, AS, CBM-ZI 80736; KP-19a: 5 exs., 3. viii. 1997, AS, CBM-ZI 80727–80731; KP-23: 2 exs., 4. viii. 1997, AS, CBM-ZI 80737, 80738.

***Oedecnema dubia* (Fabricius)**

KP-1: 1 ex., 3. vii. 1996, RBK, CBM-ZI 80761; KP-2: 1 ex., 7. vii. 1996, RBK, CBM-ZI 80767; KP-29: 1 ex., 8. vii. 1996, RBK, CBM-ZI 80766; KP-7: 1 ex., 9. vii. 1996, RBK, CBM-ZI 80760; KP-13: 7 exs., 7. vii. 1997, RBK, CBM-ZI 80742, 80743, 80755–80759; KP-13a: 3 exs., 7. vii. 1997, AS, CBM-ZI 80749–80751; KP-36: 1 ex., 8. vii. 1997, S. Kohlin, CBM-ZI 80762; KP-14: 6 exs., 9. vii. 1997, AS, CBM-ZI 80744–80748, 80764; KP-16: 1 ex., 27. vii. 1997, AS, CBM-ZI 80765; KP-16: 1 ex., 29. vii. 1997, AS, CBM-ZI 80754; KP-23: 2 exs., 4. viii. 1997, AS, CBM-ZI 80752, 80753; KP-21: 1 ex., 5. viii. 1997, AS, CBM-ZI 80763.

***Leptura aethiops* Poda**

KP-13: 1 ex., 7. vii. 1997, RBK, CBM-ZI 80772; KP-13a: 1 ex., 7. vii. 1997, AS, CBM-ZI 80771; KP-36: 1 ex., 8. vii. 1997, S. Kohlin, CBM-ZI 80770; KP-16: 1 ex., 27. vii. 1997, TO, CBM-ZI 80768; 1 ex., 27. vii. 1997, AS, CBM-ZI 80769.

***Nivellia sanguinosa* (Gyllenhal)**

KP-11: 2 exs., 15. vii. 1996, RBK, CBM-ZI 80775, 80776; KP-13: 2 exs., 7. vii. 1997, RBK, CBM-ZI 80773, 80774; KP-13a: 1 ex., 7. vii. 1997, AS, CBM-ZI 80777.

***Xylotrechus ibex* (Gebler)**

KP-16: 1 ex., 27. vii. 1997, AS, CBM-ZI 80779; KP-16: 1 ex., 29. vii. 1997, AS, CBM-ZI 80778.

Remarks. This is new to Kamchatka.

***Callidium violaceum* (Linnaeus)**

KP-36: 1 ex., 8. vii. 1997, S. Kohlin, CBM-ZI 80781.

Remarks. This is new to Kamchatka.

***Plectrura metallica metallica* (Bates)**

NKP-2: 2 exs., 12. vii. 1997, AS, CBM-ZI 80794, 80795.

***Saperda scalaris* (Linnaeus)**

KP-16: 7 exs., 27. vii. 1997, AS, CBM-ZI 80782–80788; 4 exs., 27. vii. 1997, RBK, CBM-ZI 80790–80793; KP-18: 1 ex., 29. vii. 1997, TK, CBM-ZI 80789.

Family Chrysomelidae

(Identified by H. Takizawa)

***Donacia* (*Donaciomima*) sp.**

KP-23: 1 ex., 4. viii. 1997, RBK, CBM-ZI 80714.

***Bromius obscurus* (Linnaeus)**

KP-9: 1 ex., 13. vii. 1996, RBK, CBM-ZI 80669; KP-29: 5 exs., 8. vii. 1996, RBK, CBM-ZI 80670–80674; KP-13a: 1 ex., 7. vii. 1997, AS, CBM-ZI 80648; KP-35: 2 exs., 8. vii. 1997, AS, CBM-ZI 80703, 80704; KP-18: 2 exs., 30. vii. 1997, AS, CBM-ZI 80689, 80690.

***Chrysolina staphylea* (Linnaeus)**

KP-9: 4 exs., 13. vii. 1996, RBK, CBM-ZI 80661–80664; KP-14: 1 ex., 9. vii. 1997, AS, CBM-ZI 80694; NKS-1: 1 ex., 21. vii. 1997, AS, CBM-ZI 80653.

***Goniocтена sundamani* (Jacobson)**

KP-14: 1 ex., 9. vii. 1997, AS, CBM-ZI 80646; KP-19: 1 ex., 1. viii. 1997, RBK, CBM-ZI

80712; KP-23: 2 exs., 4. viii. 1997, AS, CBM-ZI 80709, 80710.

***Gonioctena sungkangensis* Kimoto and Kawase**

KP-1: 1 ex., 3. vii. 1996, RBK, CBM-ZI 80654; KP-22: 1 ex., 11. vii. 1996, RBK, CBM-ZI 80665.

***Linnaeidea aenea* (Linnaeus)**

KP-1: 2 exs., 3. vii. 1996, RBK, CBM-ZI 80655, 80656; KP-2: 1 ex., 5. vii. 1996, RBK, CBM-ZI 80657; KP-13a: 2 exs., 7. vii. 1997, AS, CBM-ZI 80649, 80691.

***Phaedon concinnus* Stephens**

KP-10: 1 ex., 14. vii. 1996, RBK, CBM-ZI 80678.

***Phratora obtusicollis* (Motschulsky)**

KP-4: 1 ex., 7. vii. 1996, RBK, CBM-ZI 80666; KP-5: 1 ex., 7. vii. 1996, RBK, CBM-ZI 80679; KP-29: 2 exs., 8. vii. 1996, RBK, CBM-ZI 80676, 80677; KP-22: 2 exs., 11. vii. 1996, RBK, CBM-ZI 80667, 80668; KP-35: 5 exs., 8. vii. 1997, AS, CBM-ZI 80697–80701; KP-38: 2 exs., 10. vii. 1997, AS, CBM-ZI 80650, 80651.

***Phratora polaris* (Schneider)**

KP-2: 1 ex., 3. vii. 1996, RBK, CBM-ZI 80680; KP-19: 1 ex., 17. vii. 1996, RBK, CBM-ZI 80658.

***Plagiodera versicolora* (Laicharting)**

KP-18: 1 ex., 30. vii. 1997, AS, CBM-ZI 80711; KP-19a: 1 ex., 3. viii. 1997, RBK, CBM-ZI 80713.

***Galeruca tanacetii insicollis* Motschulsky**

KP-26: 2 exs., 16. vii. 1996, RBK, CBM-ZI 80659, 80660; KP-18: 1 ex., 30. vii. 1997, AS, CBM-ZI 80688; KP-21: 1 ex., 5. viii. 1997, RBK, CBM-ZI 80715.

***Luperus laricis* Motschulsky**

KP-14: 1 ex., 9. vii. 1997, AS, CBM-ZI 80647; NKP-8: 1 ex., 11. vii. 1997, AS, CBM-ZI 80652.

***Aphthona* sp.**

KP-10: 10 exs., 14. vii. 1996, RBK, CBM-ZI

80717–80726.

***Crepidodera* sp.**

NKP-1: 1 ex., 11. vii. 1997, RBK, CBM-ZI 80681.

***Cassida spaethi* Weise**

KP-16: 1 ex., 27. vii. 1997, AS, CBM-ZI 80707.

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References

- Kano, T. 1933. Coleopterous insects from the northern Kuriles, with some considerations on the insect-fauna of the Kurile Islands. Bull. Biogeogr. Soc. Jap. 4: 91–121. (In Japanese with English descriptions)
- Kôno, H. 1944. Die Käfer-Fauna der Nord-Kurilen (XI. Beitrag zur Kenntnis der Käferfauna der Kurilen). In Chishima Gakujyutsu-chôsa-kenkyû-tai Hôkokusho 1, pp. 74–92. Sôgô-hoppô-bunka-kenkyûkai, Tokyo. (In Japanese)
- Kryvolutskaia, G. O. 1973. Entomofauna of the Kuril Islands. Principal Features and Origin. 315 pp. Institute of Biology and Pedology, Far-Eastern scientific Centre, USSR Academy of Sciences, Vladivostok. (In Russian with English summary)
- Ler, P. A. (ed.). 1989. Key to the insects of Russian Far East 3(1). 572 pp. Nauka, Vladivostok. (In Russian)
- Ler, P. A. (ed.). 1992. Key to the insects of Russian Far East 3(2). 704 pp. Nauka, Vladivostok. (In Russian)
- Ler, P. A. (ed.). 1996. Key to the insects of Russian Far East 3(3). 555 pp. Dal'nauka, Vladivostok. (In Russian)
- Morimoto, K. 2000. On a collection of Curculionidae (Coleoptera) from Kamchatka and the northern Kuriles. In Komai, T. (ed.), Results of recent research on Northeast Asian biota. Nat. Hist. Res., Special Issue (7): 125–131.
- Naomi, S., R. B. Kuranishi, A. Saito and M. Maruyama. 2000. A list of the family Staphylinidae (Insecta: Coleoptera) collected during the Biological Expedition to the Kamchatka Peninsula and the North Kurile Islands in 1996 and 1997. In

Komai, T. (ed.), Results of recent research on Northeast Asian biota. Nat. Hist. Res., Special Issue (7): 101-111.

Nishikawa, M. 2000. Carrion beetles (Agyrtidae, Leiodidae, Silphidae) obtained during the Biological Expedition to the Kamchatka Peninsula and northern Kuril Islands. *In* Komai, T. (ed.), Results of recent research on Northeast Asian biota. Nat. Hist. Res., Special Issue (7): 113-117.

カムチャツカと北千島の甲虫類仮目録

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1996 年と 1997 年に実施された千葉県立中央博物館とロシア科学アカデミー極東支部によるカムチャツカ半島と北千島生物相についての共同調査で採集され

た甲虫類（昆虫綱，コウチュウ目）の仮目録を作成した。これまでに 19 科 60 種の甲虫類が記録された。これらの科と種数の内訳は次の通りである：エンマムシ科 (1)，マルハナノミ科 (1)，マルトゲムシ科 (1)，コメツキムシ科 (9)，ヒラタムシ科 (1)，キスイムシ科 (1)，キスイモドキ科 (1)，オオキノコムシ科 (2)，カクホソカタムシ科 (1)，テントウムシ科 (5)，ヒメマキムシ科 (5)，ハナノミ科 (1)，クビナガムシ科 (1)，ハナノミダマシ科 (2)，チビキカワムシ科 (2)，ハムシダマシ科 (1)，ゴミムシダマシ科 (1)，カミキリムシ科 (9)，ハムシ科 (15)。また、カムチャツカからは 52 種，北千島パラムシル島から 9 種，同シュムシュ島から 4 種が記録された。カミキリムシ科 2 種がカムチャツカから初めて記録された。なお，ツヤシデムシ科，タマキノコムシ科，シデムシ科，ハネカクシ科，ゾウムシ科については，本報告書の他論文で扱われているので本目録から除外した。