

Heteroptera of the Kuril Islands: material collected by the International Expedition 1994-1999 and updated checklist

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A faunal list of Heteroptera collected in the Kuril Islands by the American participants of the International Expedition in 1994-1999 and by the Russian participants in 1996-1997 is given. Of the 121 species reported, seven are new to the fauna of the archipelago and many are recorded for the first time from particular islands, especially from Northern and Middle Kurils and smaller islands of the Habomai group. An updated list of Heteroptera of the Kuril Islands (236 species) is given. The distribution of species in the archipelago is briefly discussed.

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HETEROPTERA COLLECTED BY THE INTERNATIONAL EXPEDITION

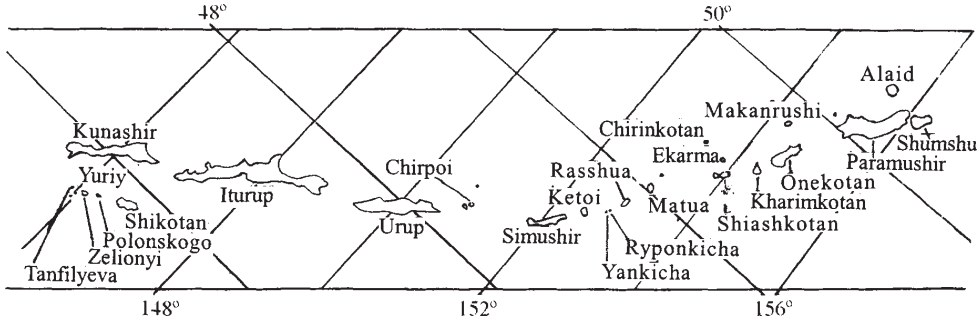
The material discussed in this paper was collected during the expedition of the International Kuril Island Project (IKIP) by American participants (B.K. Urbain, D.J. Bennett, T.W. Pietsch, M. Nakamura and others) in 1994-1999 and by Russian participants (Yu.M. Marusik, A.S. Lelej and others) in 1996-1997. Specimens collected by the Japanese participants of the expedition have not been examined, and most of the Gerridae collected by the American participants were sent to Japan for identification and not examined during this study. Heteroptera collected by Yu.M. Marusik in 1995 were considered in a separate paper (Kerzhner & Marusik, 1996); it comprised 21 species, including three (*Myrmedobia distinguenda*, *Mecoma ambulans*, and *Acalypta marginata*) new to the archipelago. Of the 121 species included in the present paper, six are additional to the previous list: *Callicorixa producta*, *Macrosaldula rivularia*, *Psallus oyashimensis*, *P. nigricornis*, *Plinthis japonicus*, and *Drymus pili-cornis*. *Orthotylus kurilensis*, described by Kerzhner (1997) from the material collected by IKIP, replaces *O. interpositus* previously recorded as a result of misidentification. Previous records of *Polymerus unifasciatus* are referred to *P. palustris* and those of *Aradus bergrothianus*, to *A. orientalis*.

Specimens collected by American participants of the expedition are kept at the California Academy of Scienc-

es, San Francisco, and those collected by Russian participants, at the Zoological Institute, St.Petersburg.

In the present paper, species are listed approximately in the same order as in the previous lists (Kerzhner, 1978; Kerzhner & Marusik, 1996). The islands (see map) are listed approximately from the northern to the southern ones in the following sequence (abbreviations of the island names forming the first element of the field numbers are given in parentheses): Shumshu (SU), Paramushir (PA), Alaïd or Atlasova (AL), Makanrushi (MK), Onokotan (ON), Kharimkotan (KH), Chirinkotan (CR), Ekarma (EK), Shiashkotan (SA), Matua (MA), Rasshua (RAS), Ryponkicha (RY) and Yankicha (US) of the Ushishir group, Ketoi (KE), Simushir (SI), Chirpoi (CH), Urup (UR), Iturup (IT), Kunashir (KU), Shikotan (SH), Polonskogo (PO), Zeliyoni (ZE), Yuriy (IU), and Tanfil'yeva (TA).

For each island, only the field numbers and the number of collected specimens are given. Each field number consists of four parts united with hyphens: abbreviated name of the island (omitted in the faunal list; see abbreviations above), two last characters of the year of collecting, abbreviated name of collector, individual number of the sample. In a few cases when the number of the sample was unknown to us, it was replaced by the date of collecting (day.month). Full information on the locality, date of collecting, collector, and method of sampling can be found in Internet using the field numbers or the island name and date of collecting (<http://artedi.fish.washington.edu/okhot->



Map of the Kuril Islands

skia/database/queries/loc_searchpg.idc). The number of specimens is given as males/females/larvae, with "0" omitted. For instance, 2/3/1 means 2 males, 3 females, 1 larva; 2 means 2 males; /3 means 3 females; //1 means 1 larva.

An asterisk before the species name means new to the fauna of the archipelago. An asterisk before the island name means new record for the island. *Psallus oyashimensis* and *P. nigricornis* are recorded from Russia for the first time.

Family CERATOCOMBIDAE

Ceratocombus (Ceratocombus) coleopratus (Zetterstedt, 1819). *Kunashir*: 97-YMM-045p/t, 1.

C. (Xylonannus) corticalis Reuter, 1889. *Kunashir*: 97-YMM-040p/t, //17; 97-YMM-063, //2; 97-YMM-072, //1. **Shikotan*: 97-YMM-076, //2.

Family CORIXIDAE

Hesperocorixa distorta (Kirkaldy, 1899). *Kunashir*: 96-PO-077, //6. **Shikotan*: 98-LJW-045, //1; 98-LJW-047, //1. **Polonskogo*: 98-LJW-073, 1. **Zeliomyi*: 94-NM-002, //1; 94-NM-005, 4/5/37. **Yuriy*: 98-NM-042, 3/2/12; 98-TJL-026, //7/3; 98-VAT-068, 4/1/7. **Tanfilyeva*: 98-LJW-065, //140; 98-LJW-068, //2.

Arctocorixa kurilensis Jansson, 1979. **Shumshu*: 97-NM-029, //1; 97-NM-036, //1; 97-NM-047, //2. **Paramushir*: 96-ASL-003, //5; 97-NM-069, //1; 97-NM-070, //1; 96-YMM-041, 32/14/2; 96-YMM-047, //3. **Alaid*: 97-NM-053, 1/2/15. **Makanrushi*: 97-NM-076, //1. **Onekotan*: 96-PO-017, //1/5; 96-PO-018, //1; 96-PO-028, 107/111/116; 96-PO-029, 80/130/73; 96-YMM-069, 7/8/1. **Kharimkotan*: 96-PO-033, 8/13/79; 96-PO-035, 25/73/99; 96-PO-042, //3/22. **Shiashkotan*: 96-NM-012, //2; 96-NM-015, 2/2/4; 96-PO-051, //3. **Matua*: 96-ASL-016, //3; 96-PO-056, 2/2/51. **Rsshua*: 95-PO-048, //1/6; 95-PO-050, 2/3/87; 95-PO-058, 3/3/6. **Ketoi*: 95-PO-062, 8//27. **Urup*: 96-PO-067, //2; 95-PO-102, //1; 95-PO-109, 1/2/12; 96-VAT-21.08, //1. – The previous record of a Corixidae larva from Urup (Kerzhner & Marusik, 1996) refers to this species.

***Callicorixa producta** (Reuter, 1880). *Shumshu*: 97-NM-029, //2; 97-NM-030, //1; 97-NM-041, //2; 97-NM-048, //2; 97-TIR-030, //1. 97-TIR-031, //1/1. *Paramushir*: 96-NM-008, //11; 96-NM-009, //13; 97-NM-051, //2; 97-NM-060, //1/7; 97-NM-069, 19/14/16; 96-PO-002, //34; 96-PO-004, 1/1/28; 96-PO-006, //32; 96-PO-010, //43; 96-PO-011, //9; 97-TIR-036, 4/4/6; 97-TIR-048, //2; 96-YMM-041, //1.

Sigara (Tropocorixa) nigroventralis (Matsumura, 1905). **Urup*: 95-PO-102, 1/2/8; 95-PO-108, 3/1/13; 95-PO-109, 1/1/16; 95-PO-115, 2/1/6; 95-PO-116, 4/3/22; 96-PO-067, 1/3/6. *Iturup*: 98-DJB-024, //2/2; 96-NM-029, 2/4/5; 97-NM-007, //2; 97-NM-008, //2/2; 98-NM-005, 2/5; 98-NM-011, 6/8/4; 96-PO-072, 4/14/12; 97-TIR-007, 3/1/15; 97-TIR-008, 34/38/30. *Kunashir*: 98-LJW-075, 2/1; 98-NM-002, //1; 95-PO-126, 3/5/1; 96-PO-077, //1; 97-YMM-039, //3; 97-YMM-125, 1. **Shikotan*: 98-EMS-043, //2; 98-LJW-047, //1; 98-LJW-051, 37/29/20; 98-LJW-058, //1; 98-NM-034, 2; 98-NM-036, 1/1/1; 94-RG-002, //1. **Tanfilyeva*: 98-LJW-065, 3/5/1; 98-LJW-066, //1.

Family OCHTERIDAE

Ochterus marginatus (Latreille, 1804). *Kunashir*: 97-YMM-065, 3/2/7; 97-YMM-048, //2.

Family SALDIDAE

Salda littoralis (Linnaeus, 1758). **Shumshu*: 97-ASL-018, //1; 97-TAP-058, //1; 96-YMM-074, 4/1. *Paramushir*: 97-ASL-012, 1/2; 96-BKU-014, 3/1; 96-YMM-007, 1; 96-YMM-010, 3/3. *Iturup*: 94-RLC-43&46, //1.

***Macrosaldula rivularia** (J. Sahlberg, 1878). *Paramushir*: 97-JSS-039, //1. *Urup*: 95-VR-017C, //1.

Saldula nobilis (Horváth, 1884). *Kunashir*: 94-NM-001, 1; 97-YMM-067, 5/5. **Shikotan*: 97-YMM-092a, 1.

S. opacula (Zetterstedt, 1838). **Shumshu*: 97-ASL-013, 2. **Paramushir*: 96-YMM-007, 1/2; 96-YMM-010, 1. *Ketoi*: 95-PO-061, //1. *Iturup*: 94-RG-007, 1. *Kunashir*: 95-PO-123, 1.

S. kurentzovi Vinokurov, 1979. *Urup*: 95-BKU-056, 1.

S. saltatoria (Linnaeus, 1758). **Shumshu*: 96-YMM-087, 1; 96-YMM-101, 1. *Paramushir*: 96-YMM-007, //3; 96-YMM-024, 9/22/2; 96-YMM-028, //1; 96-YMM-092, //1; 96-YMM-093, //2. **Onekotan*: 96-ASL-008, //1; 96-YMM-051, //1/2; 96-YMM-067, 3/2. *Kunashir*: 98-DJB-001, 1; 95-PO-123, 1.

S. fucicola (J. Sahlberg, 1870). **Paramushir*: 96-YMM-020/2, 1; 96-YMM-021, //1.

S. pallipes (Fabricius, 1794). *Urup*: 95-BKU-056, 7/2. *Kunashir*: 94-RLC-001, 8/15/8.

S. palustris (Douglas & Scott, 1874). **Makanrushi*: 97-JSS-050, //2; 97-RLC-050, 1. *Kunashir*: 98-DJB-079, //1.

Family VELIIDAE

Microvelia reticulata (Burmeister, 1835). **Iturup*: 98-DJB-025, 2.

Family GERRIDAE

Aquarius paludum (Fabricius, 1794). *Kunashir*: 94-X-0-NM-01, 3/3; 97-YMM-120, 1/1/1.

Limnoporus genitalis (Miyamoto, 1958). *Kunashir*: 96-ASL-25.09, 1; 97-YMM-001b, 1/1.

Gerris yezoensis Miyamoto, 1958. *Kunashir*: 97-YMM-021, 1/1.

G. latiabdominis Miyamoto, 1958. **Yuriy*: 98-VAT-068, 1/1.

Family NABIDAE

Himacerus dauricus (Kiritschenko, 1911). *Kunashir*: 97-YMM-045p/t, 1.

Nabis (Limnonabis) ussuriensis (Kerzhner, 1962). *Kunashir*: 95-PO-123, 1; 95-PO-127, 2. *Shikotan*: 97-YMM-080, 1/1; 97-YMM-086, 1. **Polonskogo*: 98-DJB-136, 1/1. **Yuriy*: 98-TIA-059, 1/1.

N. (L.) demissus (Kerzhner, 1968). *Kunashir*: 99-DJB-120, 1/1.

N. (Nabicula) flavomarginatus Scholtz, 1847. *Kunashir*: 99-BKU-102, 1/1; 95-VR-038, 1/1; 97-YMM-029, 1/1.

N. (Nabis) stenoferus Hsiao, 1964. *Iturup*: 95-BKU-007, 1/3; 95-VR-006, 1/1. *Kunashir*: 95-PO-123, 1/1; 97-YMM-007, 1/1; 97-YMM-009, 1/3; 97-YMM-039, 1; 97-YMM-115, 2/2. *Shikotan*: 97-YMM-086, 1/1; 97-YMM-089, 1/1.

Family ANTHOCORIDAE

Anthocoris miyamotoi Hiura, 1959. *Iturup*: 99-DJB-077C, 1/1; 99-DJB-087, 1. *Shikotan*: 97-YMM-104, 1/1.

Acomporis brevisirotris Kerzhner, 1979. **Shumshu*: 97-ASL-013, 5/19; 97-ASL-014, 1/1/3. *Paramushir*: 97-ASL-021, 1/4; 96-YMM-025, 1/1; 96-YMM-044, 4/2. **Shishkotan*: 96-ASL-12.08, 1. **Ketoi*: 99-DJB-061A, 7/3/2. **Simushir*: 99-DJB-065D, 3.

Orius sauteri (Poppius, 1909). *Kunashir*: 97-YMM-047b, 1. **Shikotan*: 97-YMM-060, 1.

Family MIRIDAE

Monalocoris filicis (Linnaeus, 1758). *Kunashir*: 97-YMM-006d, 1/2; 97-YMM-029, 1/1. *Shikotan*: 98-DJB-104, 2; 97-YMM-74, 1/1; 97-YMM-092a, 1/6.

Bryocoris montanus Kerzhner, 1972. **Urup*: 95-BKU-066, 1. *Kunashir*: 97-YMM-006b, 5/12; 97-YMM-006d, 1/2; 97-YMM-006x, 1/1; 97-YMM-008, 1/1; 97-YMM-066b, 1/4. *Shikotan*: 98-DJB-104, 31/38.

Bothynotus pilosus (Boheman, 1852). **Paramushir*: 96-YMM-008, 1/1; 96-YMM-018, 1/1. **Kharimkotan*: 96-ASL-8.08, 1.

Deraeocoris pallidicornis Josifov, 1983. **Shikotan*: 98-DJB-096, 1/1.

Capsus wagneri (Remane, 1950). *Shikotan*: 98-DJB-093, 1/1; 98-DJB-099, 1; 98-DJB-109, 1/5; 97-YMM-74, 1/1.

C. pilifer (Remane, 1950). *Iturup*: 98-BKU-030, 1; 98-BKU-034 3/1; 98-BKU-036, 2; 99-BKU-075, 3; 99-BKU-078, 1; 99-BKU-089, 2; 98-DJB-040, 1; 98-DJB-042, 4; 98-DJB-071, 1; 98-DJB-075, 1; 99-DJB-081, 1; 99-DJB-083A, 1/1; 99-DJB-096B, 4; 99-DJB-097, 2; 99-DJB-100, 1. *Kunashir*: 98-DJB-007, 1/1/1; 98-TWP-006, 1/3; 97-YMM-06b, 1; 97-YMM-07, 1; 97-YMM-13, 1/1. *Shikotan*: 98-BKU-097, 1; 98-BKU-106, 6; 98-DJB-085, 1/1; 98-DJB-096, 3.

Irbisia sericans (Stål, 1858). *Shumshu*: 97-ASL-011, 8/13; 97-ASL-012, 3/1; 97-ASL-013, 1/1; 97-ASL-014, 1; 97-BKU-044, 1; 97-BKU-046, 4/6; 97-BKU-048, 18/41;

97-BKU-058, 1/1; 97-BKU-060, 3/6; 97-DES-019, 15/21; 97-TIR-025, 1/1; 97-TIR-026, 1; 97-TIR-027, 2/4; 99-TWP-029, 1. *Paramushir*: 96-ASL-1.08, 16/5/1; 96-ASL-3.08, 1; 97-ASL-017, 1/3; 97-ASL-018, 5/1; 97-ASL-021, 3/6/1; 96-BKU-001, 4; 96-BKU-005, 1; 97-BKU-073, 1/1; 97-BKU-081, 5/4; 97-BKU-082, 3/3; 97-BKU-086, 1; 97-BKU-087, 1; 97-BKU-090, 1; 97-BKU-092, 1; 97-BKU-093, 1/1; 99-BKU-031, 1/1; 99-BKU-033, 1; PA-97-JSS-019, 2; 97-TIR-044, 5/7; 97-TWP-018, 1/1/1; 96-YMM-001, 4; 96-YMM-003, 4/7; 96-YMM-006, 13/16/6; 96-YMM-020, 4/8; 96-YMM-024, 1/2; 96-YMM-025, 5/2; 96-YMM-040, 1; 96-YMM-044, 1/2; 96-YMM-048, 3/4. *Alaid*: 97-ASL-016, 1; 99-BKU-012, 2/2; 99-BKU-014, 1/2/1; 99-DJB-011, 1; 99-DJB-013, 1/2. **Onokotan*: 96-ASL-7.08, 3/8; 96-BKU-016, 3/1; 96-BKU-020, 4/3; 96-BKU-023, 2; 96-BKU-025, 1; 99-BKU-010, 21/21; 99-DJB-003, 4/1/1; 99-DJB-007, 4/6; 96-PO-025, 1/2; 96-TWP-012, 1/2; 96-YMM-050, 1/2; 96-YMM-052, 9/15; 96-YMM-056, 1/2; 96-YMM-058, 2/1; 96-YMM-068, 1. **Kharimkotan*: 96-ASL-8.08, 11/18; 96-BKU-036, 2/3; 96-PO-039, 2. **Chirinkotan*: 96-ASL-10.08, 2. **Ekarma*: 96-ASL-10.08, 6/9; 96-BKU-047, 2/1; 96-BKU-048, 1; 96-BKU-049, 2/2; 96-TAP-042, 1; 96-TWP-021, 1/2. **Shishkotan*: 96-ASL-12.08, 2/4; 96-BKU-053, 1/2; 96-BKU-056, 2/1; 99-BKU-038, 5/8; 99-BKU-039, 1/1; 99-BKU-040, 7; 99-DJB-041B, 2/2; 99-DJB-043B, 35/36. **Matua*: 99-DJB-047A, 1; 99-DJB-048A, 6/2. *Rasshua*: 99-BKU-054, 22/14; 99-DJB-055, 3. **Ryponkicha*: 97-TWP-012, 2. *Yankicha*: 97-ASL-006, 12/21; 97-ASL-007, 12/12/2; 95-BKU-039B, 1/4; 95-BKU-045, 3/3; 97-BKU-025, 2/1; 97-BKU-026, 1/2; 99-DJB-057, 20/13; 99-DJB-057C, 1/2; 99-DJB-058, 11/9; 99-NM-003, 1; 97-TIR-012, 1/4/1; 95-TWP-037, 1; 95-VR-021B, 6/5; 95-VR-026A, 3; 95-YMM-059, 1. *Ketoi*: 99-BKU-058, 11/8; 95-PO-074, 1/1; 95-VR-025B, 1. *Simushir*: 99-BKU-065, 1/1; 99-DJB-068, 2/2; 99-DJB-071, 10/1; 99-DJB-071A, 5/3; 99-DJB-071B, 2/1. *Chirpoi*: 95-BKU-049A, 2; 95-BKU-050, 1; 99-DJB-072B, 1.

Polymerus palustris (Reuter, 1905). *Iturup*: 98-BKU-065, 1/2; 98-DJB-071, 1/3; 99-DJB-096B, 1/1; 94-RLC-43&46, 1. *Shikotan*: 98-BKU-095, 2/1. **Tanfilyeva*: 98-DJB-117, 1. – This species was previously recorded from the Kuril Islands as *P. unifasciatus* (Fabricius, 1794). The identification was corrected using recent publications (Rinne, 1989; Herczek, 1991).

Lygocoris (Lygocoris) pabulinus (Linnaeus, 1761). *Urup*: 95-BKU-015, 1/2. *Iturup*: 96-BKU-066, 1/2. *Kunashir*: 98-BKU-031, 1/1; 98-DJB-001, 3/1/1; 99-DJB-105, 2/2; 98-DJB-140, 1/1; 97-YMM-029, 1. *Shikotan*: 98-DJB-093, 1/1; 98-DJB-099, 1/1; 98-DJB-109, 1.

L. (L.) pabulinoides (Linnavuori, 1961). *Iturup*: 97-ASL-003, 3/2; BKU-068, 1/1; 99-BKU-087, 1/1; 98-DJB-042, 2; 98-DJB-050, 1/1; 98-DJB-071, 1; 98-DJB-072, 1/3; 99-DJB-097, 1/1; 95-PO-119, 1/1. *Kunashir*: 96-BKU-094, 1/1; 98-BKU-105, 1/9; 98-DJB-001, 1/3; 98-DJB-111, 1/1; 95-PO-002, 1/1; 95-PO-123, 1/1; 95-PO-127, 1/1/1; 97-TIR-004, 1/1; 97-YMM-001b, 1/1; 97-YMM-029, 1/1. *Shikotan*: 98-DJB-099, 1/1; 98-DJB-104, 1. **Polonskogo*: 98-DJB-135, 1.

L. (Neolygus) lobatus (Linnavuori, 1963). **Urup*: 95-BKU-020, 1/1; 95-BKU-026C, 1/1; 96-BKU-072, 1/1/8. *Shikotan*: 94-RG-001, 1; 97-YMM-085, 1/1.

L. (N.) hoberlandti Kulik, 1965. *Iturup*: 98-BKU-068, 1.

L. (N.) pteleinus Kerzhner, 1977. *Kunashir*: 97-NM-003, 1.

L. (N.) honshuensis (Linnavuori, 1961). *Iturup*: 98-DJB-009, 1; 95-PO-006, 1. *Kunashir*: 97-YMM-060, 1.

L. (N.) longiusculus Kulik, 1965. *Iturup*: 99-BKU-083, 1; 99-BKU-089, 1/1. *Kunashir*: 98-BKU-072, 1/1; 98-BKU-131, 1/1. *Shikotan*: 98-DJB-093, 2; 98-DJB-106, 1/1; 98-DJB-109, 1/1; 97-YMM-098, 1.

- L. (N.) nemoralis** Kulik, 1965. *Shikotan*: 98-DJB-093, 1.
Apolygus nigrovirens (Kerzhner, 1988). *Simushir*: 95-BKU-047A, 1; 99-BKU-061, 15/5/1; 99-DJB-065A, 2; 99-DJB-065C, 1; 99-DJB-067, 1; 99-DJB-070, 2; 95-PO-038, 1; 95-PO-043, /1; 95-VR-018D, 4/1. *Urup*: 95-BKU-013, 4//7; 95-BKU-015, 6/5/14; 95-BKU-017, 1; 95-BKU-019, 5/3; 95-BKU-023, 5/2/4; 95-BKU-024, 1//5; BKU-029B, 3/1; BKU-055B, 8/6; 95-BKU-057, 36/33/1; 95-BKU-073A, 20/23/1; 96-BKU-080, 5/8; 95-PO-016, /2/1; 95-VR-036, 4/6. *Iturup*: 97-ASL-003, 20/14/1; 96-BKU-084, 3/8; 96-BKU-085, 8/4; 97-BKU-018, 3/2; 98-BKU-036, 3/1; 98-BKU-043, 2/1; 98-BKU-048, 3/3; 98-BKU-050, 8; 98-BKU-065, /1; 99-BKU-076, 2/4; 99-BKU-078, /1; 99-BKU-079, 3/1; 98-DJB-051, 1; 98-DJB-057, 6/1; 98-DJB-069, 1/1; 98-DJB-071, 2/1; 98-DJB-072, /1; 98-DJB-075, 1/1; 98-DJB-077, 6/10; 99-DJB-081, 1; 99-DJB-088, 2; 99-DJB-096B, 7/5; 99-DJB-100, 7/4; 96-KYE-19.08, 1. *Kunashir*: 98-BKU-072, 9/4; 98-DJB-079, 1/3; 98-DJB-140, 2; 99-DJB-118, /2; 97-YMM-001b, /1; 97-YMM-047b, /1; 97-YMM-060, 1. *Shikotan*: 98-BKU-091, /2; 98-BKU-110, 1; 98-DJB-094, 4/2; 98-DJB-095, 1/1; 98-DJB-097, /4; 98-DJB-106, /1; 97-YMM-074, 5/1; 97-YMM-080, /1; 97-YMM-085, 8/2; 97-YMM-086, /2. **Polonskogo*: 98-DJB-137, /1. *Zelionyi*: 94-NM-001, /1; 94-RLC-6.08, /1/1. **Tanfiljeva*: 98-DJB-117, 2.
- A. lucorum** (Meyer-Dьr, 1843). **Simushir*: 99-BKU-061, /1; 99-DJB-065A, 2/8/2; 99-DJB-070, 1. **Urup*: 96-ASL-21.08, 1; 95-BKU-029B, 1; 95-BKU-057, 8/10; 95-BKU-019, /1; 95-PO-091, 1/2; 95-PO-115, /3. *Iturup*: 96-ASL-14.08, /3; 96-ASL-18.08, 1/1; 97-ASL-003, /1; 95-BKU-007, 1; 95-BKU-066, /1; 96-BKU-068, /1; 96-BKU-084, 1/3; 97-BKU-018, 1/2; 97-BKU-021, /1/1; 98-BKU-034, 4/2; 98-BKU-050, 1; 99-BKU-074, 7/10; 99-BKU-076, 11/16; 99-BKU-079, 2/3; 99-BKU-087, 5/5; 98-DJB-016, 1/1; 98-DJB-036, 2/1; 98-DJB-042, 1; 98-DJB-043, 1; 98-DJB-062, 1; 98-DJB-065, 3/3; 98-DJB-071, 6/10; 98-DJB-072, /1; 98-DJB-075, 7/7; 98-DJB-077, /1; 99-DJB-077A, 2/5; 99-DJB-085, 1/2; 99-DJB-088, 1/1; 99-DJB-091A, 4/2; 99-DJB-096B, 3/4; 99-DJB-097, 1/4; 99-DJB-100, /5; 95-VR-006, 6/1. *Kunashir*: 96-BKU-091, 18/7/1; 98-BKU-131, 1/1; 98-DJB-001, 1/1; 98-DJB-140, 3/9; 98-DJB-142, 1/2; 99-DJB-105, 6/4; 99-DJB-111, /1; 95-PO-001, 2; 97-YMM-006b, 1; 97-YMM-033p/to, /1; 97-YMM-034p/to, /2; 97-YMM-047b, /1; 97-YMM-123, /2. *Shikotan*: 98-BKU-080, 2/5; 98-BKU-083, 3/1; 98-BKU-091, 1; 98-BKU-108, 1; 98-DJB-086, 1/1; 98-DJB-093, 2/4; 98-DJB-095, /1; 98-DJB-096, 3/2; 98-DJB-097, 1/3; 98-DJB-106, /1; 98-DJB-107, 1; 98-DJB-109, /1; 97-YMM-074, /1; 97-YMM-085, 4; 97-YMM-109a, 1. **Polonskogo*: 98-BKU-127, 1/1; 98-DJB-133, 1/1; 98-DJB-135, 5/5; 98-DJB-137, 5/10. *Tanfiljeva*: 98-BKU-121, 1; 98-DJB-117, 3/9.
- A. spinolae** (Meyer-Dьr, 1841). **Iturup*: 98-BKU-062, 1/1; 99-BKU-074, 1/1; 98-DJB-063, 1; 96-KYE-19.08, /1. *Kunashir*: 98-DJB-079, 1/3; 98-DJB-140, 1; 97-YMM-060, /1.
- A. furvus** (Kerzhner, 1972). *Kunashir*: 96-BKU-094, 2/2; 98-DJB-139, /1; 99-DJB-105, 1/1; 99-DJB-109, /1; 99-DJB-110, /2; 97-YMM-006d, 1. *Shikotan*: 98-DJB-106, /1.
- Arbolygus ulmi** (Kerzhner, 1979). *Kunashir*: 95-PO-002, /1; 97-TIR-004, /1.
- A. rubripes** (Jakovlev, 1876). *Iturup*: 96-ASL-18.08, /2; 99-DJB-077A, /1; 96-NM-019, 1. *Kunashir*: 99-DJB-102, /1.
- Lygus rugulipennis** Poppius, 1911. *Kunashir*: 98-DJB-142, /1.
- Cyphodemia saundersi** (Reuter, 1896). *Kunashir*: 96-BKU-094, 4/3/3; 96-BKU-096, /1; 99-BKU-102, 1; 99-BKU-103, 5/1; 98-DJB-140, /1; 99-DJB-105, 8/11; 99-DJB-111, 1; 99-DJB-114, 1; 99-DJB-118, 1; 99-EMS-25.08, 1; 95-PO-127, 9/6; 97-YMM-006d, /2/1; 97-YMM-006x, 1; 97-YMM-013, 1; 97-YMM-021, 1/1; 97-YMM-060, 2/1; 97-YMM-070, 2/6; 97-YMM-123, 1. *Shikotan*: 97-YMM-74, /2; 97-YMM-80, 4/4; 97-YMM-95, 2/1; 97-YMM-96, 1; 97-YMM-104, /1.
- Orthops scutellatus** Uhler, 1877. **Urup*: 95-BKU-015, 1; 95-BKU-067, 1; 96-BKU-077, /1; 95-PO-099, /1/1. *Iturup*: IT-97-ASL-003, /2; 96-BKU-068, /1; 97-BKU-018, /1; 98-BKU-027, /3; 98-BKU-052, /3; 98-BKU-070, 1; 99-BKU-075, /1; 99-BKU-076, 1; 99-BKU-078, 1/1; 99-BKU-088, 1; 98-DJB-057, /3; 98-DJB-071, /2; 95-PO-007, /1. *Kunashir*: 98-BKU-019, 1/5; 98-BKU-131, /2; 99-BKU-118, /1; 97-YMM-060, 4/4. *Shikotan*: 98-BKU-091, /5; 97-YMM-074, 1/1.
- Stenotus binotatus** (Fabricius, 1794). *Kunashir*: 97-BKU-007, 1; 98-BKU-072, 1/1; 98-DJB-142, /1; 95-PO-127, /1; 97-YMM-029, 3/1; 97-YMM-060, /1. **Zelionyi*: 98-BKU-125, 1/1.
- Capsodes gothicus graeseri** (Autran & Reuter, 1888). *Shikotan*: 98-BKU-088, /1; 98-DJB-093, /1; 98-DJB-094, 1/1; 98-DJB-096, 1; 98-DJB-099, /1; 98-TWP-055, /1.
- Orientalis tricolor** (Scott, 1880). *Kunashir*: 96-BKU-091, /1; 99-BKU-104, 2; 99-DJB-111, /1; 99-DJB-119, /2; 96-EMS-25.08, 2; 97-SG-002, /1/1; 97-TIR-001, /1/1; 97-TWP-006, /1/1; 97-YMM-021, 1; 97-YMM-047b, /1.
- Mermitelocerus annulipes prasinus** (Reuter, 1908). *Kunashir*: 97-BKU-007, /1; 98-BKU-007, /1; 98-DJB-001, /2; 98-DJB-142, /1.
- Adelphocoris triannulatus** (Stål, 1858). *Kunashir*: 99-BKU-102, 1; 98-DJB-079, 1; 99-DJB-111, 1; 98-DJB-120, 1/1; 98-DJB-139, /1; 98-DJB-140, 1; 95-PO-127, 1; 95-PO-128, /1; 97-YMM-039, /1; 97-YMM-060, 1/3. *Shikotan*: 98-TWP-049, 1; 97-YMM-074, 2; 97-YMM-080, /1.
- A. suturalis** (Jakovlev, 1882). **Iturup*: 94-RLC-43&46, /1. *Kunashir*: 96-BKU-091, 1/3/7; 96-BKU-094, /1; 98-BKU-072, 1/1; 98-DJB-079 6M, /5; 98-DJB-140, /3; 98-DJB-142, 1/1; 99-BKU-102, /2; 99-DJB-105, /1; 99-DJB-118, 3/3; 97-YMM-039, /3. *Shikotan*: 98-BKU-091, /1; 98-BKU-095, /2; 98-DJB-097, /1; 98-DJB-112, 1/2; 97-YMM-074, /2; 97-YMM-086, /3; 97-YMM-109a, /1. **Tanfiljeva*: 98-BKU-114, 1; 98-BKU-121, 1; 98-DJB-117, 2.
- A. variabilis** (Uhler, 1896). *Kunashir*: 96-BKU-091, 1; 98-BKU-131, 2.
- A. quadripunctatus** (Fabricius, 1794). **Iturup*: 95-BKU-007, 1/1/1. *Kunashir*: 97-YMM-025, 1/1. *Shikotan*: 98-DJB-096, 1; 98-DJB-097, 2/2; 98-DJB-109, 2/4; 97-YMM-104, /1; 97-YMM-109a, /1.
- Phytocoris (Phytocoris) scotinus** Kerzhner, 1977. **Iturup*: 96-BKU-088D, /1; 99-NM-014, 1. *Kunashir*: 97-YMM-029, 2/3; 97-YMM-036p/t, /1.
- Ph. (Ktenocoris) nowickyi** Fieber, 1870. *Kunashir*: 99-DJB-114, 1; 97-YMM-047b, 1. *Shikotan*: 97-YMM-074, 4/1; 97-YMM-077, /1; 97-YMM-086, 1.
- Stenodema calcarata** (Fallén, 1807). **Ketoi*: 99-DJB-062A, 1. **Iturup*: 99-BKU-083, /1/4; 98-DJB-075, /2. *Kunashir*: 99-DJB-105, /3; 99-DJB-106, 1; 99-DJB-109, /2; 99-DJB-120, /5; 95-PO-127, 5/3/4; 97-YMM-039, /3; 97-YMM-118, /1. *Shikotan*: 98-DJB-107, /1; 97-YMM-074, /1; 97-YMM-080, 4/2/1; 97-YMM-086, 1. **Polonskogo*: 98-DJB-133, /2; 98-DJB-135, /1; 98-DJB-137, /2.
- Dolichomiris kuwayamai** Miyamoto, 1967. **Iturup*: 99-BKU-086, 1/2; 99-BKU-090, 1; 98-DJB-075, 1. *Kunashir*: 96-ASL-25.08, /1; 97-YMM-040p/t, /1.
- Trigonotylus viridis** (Provancher, 1872). *Iturup*: 98-DJB-042, 1; 98-DJB-071, 4/7; 95-VR-006, /8. *Kunashir*: 98-DJB-142, 1/2; 95-PO-123, /1; 97-YMM-039, /1.

T. caelestialium (Kirkaldy, 1902). **Matua*: 99-DJB-048B, /1. **Ketoi*: 99-DJB-062B, 1. *Iturup*: 99-BKU-079, /1; 99-BKU-089, /1/2; 99-BKU-083, /2; 99-DJB-088, 4/3. *Kunashir*: 99-BKU-102, 1; 95-PO-127, 1/1.

Teratocoris saundersi Douglas & Scott, 1869. *Paramushir*: 96-ASL-1.08, /1; 96-BKU-002, /1; 96-BKU-005, 2/1; 97-BKU-079, /1; 97-BKU-081, 6/4; 97-BKU-082, 3/3; 97-BKU-093, 1; 97-TIR-016, 1; 97-TIR-044, 6/6/2; 96-YMM-006, 4; 96-YMM-007, 1; 96-YMM-009, /2; 96-YMM-015, /4; 96-YMM-24, 2/3; 96-YMM-025, 7/14; 96-YMM-037, 1/3; 96-YMM-048, 1. *Alaid*: 97-BKU-064, 1/6; 97-BKU-068, 2/2.

T. paludum J. Sahlberg, 1870. *Iturup*: 97-BKU-022, /1; 98-DJB-071, 3/5; 96-NM-028, /1.

Leptopterna kerzhneri Vinokurov, 1982. *Shikotan*: 98-BKU-091, /2; 98-BKU-097, 1; 98-BKU-098, /1; 98-BKU-106, 6; 98-DJB-097, 2; 98-DJB-099, 1; 98-DJB-109, 1.

Erimiris tenuicornis Miyamoto & Hasegawa, 1967. **Iturup*: 99-BKU-090, 5/4; 99-DJB-096B, 3/1. *Kunashir*: 96-ASL-25.08, 2; 96-BKU-094, /1; 96-BKU-096, 2/7; 97-BKU-009, /1/1; 99-BKU-102, /1; 99-BKU-103, 1; 98-DJB-140, 2; 97-YMM-006d, /1; 97-YMM-006x, 1; 97-YMM-029, 1/2; 97-YMM-039, 3/10; 97-YMM-040p/t, 1/3. *Shikotan*: 98-BKU-083, 11/8/3; 98-DJB-085, 9/6; 98-DJB-086, 1; 98-DJB-109, /1; 97-YMM-074, /3; 97-YMM-085, 1.

Orthocephalus funestus Jakovlev, 1881. *Iturup*: 97-ASL-003, 2/4; 95-BKU-007, 1/2; 96-BKU-084, 3/2; 97-BKU-018, /2; 97-BKU-021, 2/1; 98-BKU-034, 3/2; 98-BKU-070, 1; 99-BKU-076, 1; 99-BKU-078, /1; 99-BKU-083, 2/3; 99-BKU-088, 2/6; 99-BKU-089, 5/12; 98-DJB-075, 1/3; 99-DJB-077C, 1/1; 99-DJB-081, 1; 99-DJB-085, /1; 99-DJB-091A, 1/8; 99-DJB-096B, 1/4; 99-DJB-097, 1; 99-DJB-100, 1/3; 94-RLC-046, /1. *Kunashir*: 97-ASL-002, /1; 98-BKU-131, /1; 98-DJB-001, /1; 98-DJB-005, 1; 98-DJB-140, /3; 98-DJB-142, /4; 97-YMM-006b, 1/1; 97-YMM-029, 2/12; 97-YMM-039, /1. *Shikotan*: 98-BKU-080, /3; 98-BKU-083, /4; 98-BKU-091, 1/1; 98-BKU-097, /7; 98-BKU-098, 1; 98-BKU-108, /2; 98-DJB-082, /1; 98-DJB-085, /1; 98-DJB-086, /1; 98-DJB-087, 1/1; 98-DJB-093 3/9; 98-DJB-094, /1; 98-DJB-095, /2; 98-DJB-096, /3; 98-DJB-099, 1; 98-DJB-109, /2; 98-DJB-112, 1/2; 98-TWP-049, /1; 97-YMM-074, /1; 97-YMM-086, /1; 97-YMM-109a, /1.

***Orthotylus (Orthotylus) kurilensis** Kerzhner, 1997. *Urup*: 95-BKU-022A, 1 (holotype); 95-PO-011, /1/1. *Iturup*: 96-BKU-066, /1. – The previous record of *O. interpositus* Schmidt from Iturup, based on a single female (Kerzhner, 1978), actually concern *O. kurilensis*.

Cyrtorhinus caricis (Fallén, 1807). **Urup*: 95-PO-031, 1. *Iturup*: 98-DJB-071, 3/1; 95-PO-007, 3. *Kunashir*: KU-98-DJB-079, 1/1; 97-YMM-001b, 10/4/1.

Mecomma ambulans (Fallén, 1807). **Paramushir*: 96-YMM-022, /1. *Rasshua*: 99-BKU-054, 22; 99-DJB-054, 6; 95-PO-049, 20; 95-PO-050, 1. *Ketoi*: 95-BKU-040C, 5; 95-BKU-044A, 1; 95-BKU-040C, 1; 99-BKU-058, 16; 99-BKU-060, 4; 99-DJB-060, 1; 95-PO-061, 1. **Simushir*: 99-DJB-065A, 19; 99-DJB-067, 1; 99-DJB-070, 5. **Urup*: 95-PO-035, 2.

Mecommopsis cruciata Kerzhner, 1979. *Kunashir*: 99-DJB-105, 1/1; 97-TIR-004, /1; 97-YMM-006b, 1; 97-YMM-021, /1.

Pilophorus setulosus Horváth, 1905. *Kunashir*: 99-DJB-105, 3/1; 95-PO-123, /4; 95-PO-127, 1.

Psallus tonnaichanus Muramoto, 1973. *Iturup*: 96-ASL-18.08, 1; 97-ASL-003, 1; 97-ASL-004, /2; 97-BKU-018, /1.

***P. oyashimensis** Yasunaga & Vinokurov, 2000. *Shikotan*: 97-YMM-085, 1.

***P. nigricornis** Yasunaga & Vinokurov, 2000. *Shikotan*: 97-YMM-085, 2.

Europiella artemisiae (Becker, 1864). **Shumshu*: 97-BKU-048, 5/5/16; 97-BKU-052, /1/5; 96-YMM-72, 1/1. **Paramushir*: 96-ASL-1.08, 2/1/7; 96-ASL-3.08, 1; 97-ASL-009, 10/16/1; 97-ASL-015, 23/17/4; 97-ASL-009, 42/30; 96-BKU-002, 85/53/2; 96-BKU-005, 9/8/1; 97-BKU-035, 1; 97-JSS-016, 3; 96-YMM-3, 21/12/3; 96-YMM-6, 3/1; 96-YMM-7, 6; 96-YMM-30, /3; 96-YMM-32, /2/1; 96-YMM-42, 1; 96-YMM-44, 1/2. *Alaid*: 97-BKU-064, 20/18/1; 97-BKU-066, 21/23; 97-BKU-068, 1/8; 99-DJB-013, 1; 97-TIR-040, 2/1. **Urup*: 95-BKU-057, 15/15; 96-BKU-057, 1; 95-PO-115, /1. *Iturup*: 96-ASL-18.08, 4/1; 97-ASL-003, 8/5; 95-BKU-007, 5; 96-BKU-066, 1/1; 96-BKU-068, 4/1; 97-BKU-017, 3; 97-BKU-018, 61/41; 97-BKU-021, /1/2; 98-BKU-034, 6/3; 98-BKU-062, 1; 98-BKU-065, 3; 98-BKU-068, 3/4; 99-BKU-074, 8/3; 99-BKU-075, 3; 99-BKU-076, 4/3; 99-BKU-078, 2; 99-BKU-079, 1; 99-BKU-087, /1; 99-BKU-088, 9/4; 98-DJB-039, 1; 98-DJB-071, 2; 98-DJB-072, 2/1; 98-DJB-075, 2; 99-DJB-077A, 1/2; 99-DJB-077C, 11; 99-DJB-081, 1; 99-BKU-083, 5/2; 99-DJB-091A, 11/6; 99-DJB-096B, 1/1; 99-DJB-097, 1/1; 99-DJB-099, 1; 99-DJB-100, 15/7; 95-PO-007, 1/2; 95-VR-006, 1. *Kunashir*: 97-ASL-002, 1; 98-DJB-079, 1; 98-DJB-140, 1; 97-YMM-006b, 1; 97-YMM-029, 8/3; 97-YMM-033p/to, /1. *Shikotan*: 98-BKU-080, 20/10; 98-BKU-083, 2/1; 98-BKU-091, 26/15; 98-BKU-095, 1/2; 98-BKU-108, /7; 98-BKU-110, 1; 98-DJB-087, 1/1; 98-DJB-093, 1/2; 98-DJB-096, 3; 98-DJB-097, 9/22; 98-DJB-106, /2; 98-DJB-107, /1; 98-DJB-109, 3; 98-DJB-112, 1; 97-YMM-074, /2; 97-YMM-086, 1/2; 97-YMM-088, 1; 97-YMM-091, 1; 97-YMM-109a, 5/3. **Polonskogo*: 98-BKU-127, 2/3; 98-DJB-133, 1; 98-DJB-135, 3; 98-DJB-137, /3. *Zelionyi*: 94-RLC-8.08, 1. **Tanfilieva*: 98-BKU-117, 10/9; 98-BKU-121, 4/2; 98-DJB-117, 5/4.

E. miyamotoi (Kerzhner, 1988). *Kunashir*: 98-DJB-140, /1; 97-YMM-006b, /1. *Shikotan*: 98-DJB-096, /1; 98-DJB-097, 3/6; 98-DJB-106, 3/4; 98-DJB-107, /1. **Tanfilieva*: 98-DJB-117, 6/10; 98-DJB-121, 12/18.

E. lividella (Kerzhner, 1979). *Kunashir*: 97-YMM-039, /1; 97-YMM-060, /1.

Plagiognathus collaris (Matsumura, 1911). *Urup*: 95-BKU-015, /1/5; 95-BKU-019, 14/4; 95-BKU-023, /1/2; 95-BKU-029B, 2/3; 95-BKU-055B, 14/23; 95-BKU-057, /1; 95-BKU-073A, 39/39/1; 95-BKU-075, 1/1; 95-PO-016, /1; 95-VR-036, /1. *Iturup*: 97-ASL-003, 1; 95-BKU-007, 7/5; 96-BKU-066, 21/11/2; 96-BKU-084, 1; 97-BKU-021, /1/1; 98-BKU-026, 3/2; 98-BKU-043, 2/1; 98-BKU-048, 2/1; 98-BKU-050, 4/9; 98-BKU-051, /2; 98-BKU-057, 8/3; 98-BKU-062, 9/3; 98-BKU-064, 13; 98-BKU-065, 3/1; 98-BKU-066, 1; 98-BKU-068, /1; 98-BKU-070, 6/9; 99-BKU-074, /1; 99-BKU-076, 4/5; 99-BKU-078, /1; 99-BKU-087, /1; 99-BKU-088, 8/11; 98-DJB-036, 2/2; 98-DJB-039, 4/3; 98-DJB-042, 6/1; 98-DJB-063, 2/1; 98-DJB-071, 2/1; 98-DJB-072, 3/2; 98-DJB-075, /1; 99-DJB-077A, 2; 99-DJB-081, /3; 99-DJB-083A, 4/4; 99-DJB-096B, 1; 99-DJB-100, /1; 96-KYE-19.08, 1/2; 95-PO-007, /1; 94-RLC-43/46, 1. *Kunashir*: 98-DJB-001, 2; 98-DJB-079, 1/2; 98-DJB-140, /2; 98-DJB-142, /1; 99-DJB-109, /1; 95-VR-002, /1; 97-YMM-029, 3/4; 97-YMM-033p/to, /2; 97-YMM-34p/to, /1; 97-YMM-055, 1. *Shikotan*: 98-BKU-091, 1/5; 98-BKU-095, 2/8; 98-DJB-093, 3; 98-DJB-096, 1/1; 98-DJB-097, 3/1; 98-DJB-099, 1; 98-DJB-106, /1; 98-TWP-066, /2; 97-YMM-109a, 1/1. **Polonskogo*: 98-BKU-127, 2/3; 98-DJB-135, 2/7. **Zelionyi*: 94-RLC-5.08, 1. *Yuriy*: 98-BKU-122, 1; 98-DJB-124, 1/3. **Tanfilieva*: 98-BKU-117, 2/1; 98-BKU-121, 11/12; 98-DJB-117, 4/10.

Family TINGIDAE

Physatocheila orientis Drake, 1942. *Kunashir*: 97-YMM-006d, /1.

Family REDUVIDAE

Empicoris vagabundus (Linnaeus, 1758). **Shikotan*: 97-YMM-077, //1.

Rhynocoris leucospilus (Stål, 1859). *Kunashir*: 97-YMM-059, //1.

Family ARADIDAE

Neaneurus macrotylus (Jakovlev, 1880). *Kunashir*: 97-YMM-063, /1.

Family LYGAEIDAE

Nysius groenlandicus (Zetterstedt, 1838). *Paramushir*: 96-ASL-1.08, /1; 97-ASL-017, 1; 97-ASL-021, /1; 96-BKU-005, 1/1; 96-BKU-010, /1; 96-YMM-012, 4/8; 96-YMM-015, 4/9; 96-YMM-016, 1. *Alaid*: 97-ASL-016, /1; 97-DES-029, 1; 97-TAP-058, 1. **Shiashkotan*: 96-ASL-11.08, 3; 96-PO-054, 1.

N. expressus Distant, 1883. **Urup*: 95-VR-033A, /1. *Iturup*: 97-BKU-021, 1; 99-BKU-078, /2; 99-BKU-083, 3/4; 99-BKU-089, 9/24; 98-DJB-016, 3/6; 98-DJB-072, /1; 99-DJB-077C, /2; 99-DJB-088, 1/5; 99-DJB-099, 1/5; 99-DJB-101, 4/6; 97-JSS-001, 1; 95-VR-037B, /1. *Kunashir*: 96-ASL-25.08, 1/1; 97-ASL-001, 1/1/1; 97-ASL-002, 1/1; 96-BKU-091, 2/6; 98-BKU-017, /1; 98-BKU-131, 1/1; 98-DJB-079, 5/7; 98-DJB-140, 2; 99-DJB-106, 6/7; 99-DJB-113, 1/3; 97-YMM-021, /3; 97-YMM-034p/t, 2/1; 97-YMM-039, 1; 97-YMM-041a, /1; 97-YMM-045p/t, /1; 97-YMM-055, 1; 97-YMM-123, /1. *Shikotan*: 98-BKU-095, /3; 98-DJB-107, 11/9. **Polonskogo*: 98-DJB-137, /4.

Kleidocerys resedae (Panzer, 1797). *Kunashir*: 97-YMM-048, 1.

Cymus aurescens Distant, 1883. *Iturup*: 97-ASL-004, /4; 96-BKU-066, 1//11; 98-DJB-071, 5. *Kunashir*: 98-BKU-072, /1; 99-BKU-102, 1; 95-PO-127, 1. **Shikotan*: 98-BKU-095, 1.

Dimorphopterus japonicus (Hidaka, 1969). *Kunashir*: 99-DJB-106, 2/2/3; 99-DJB-113, 1.

Geocoris proteus Distant, 1883. *Kunashir*: 97-YMM-013, 1/1.

***Plinthisus japonicus** (Hidaka, 1962). *Kunashir*: 97-YMM-043, /1.

Iodinus ferrugineus Lindberg, 1927. *Kunashir*: 97-YMM-021, /1.

Stygnocoris sabulosus (Schilling, 1829). *Kunashir*: 98-DJB-140, /2. **Yuriy*: 98-TAP-127, /1.

Scolopostethus thomsoni Reuter, 1874. **Onokotan*: 96-TWP-011, //1. **Iturup*: 96-KYE-19.08, 10/4/1; 96-BKU-066, 1. *Kunashir*: 97-YMM-003b, 1. *Shikotan*: 97-YMM-076, /1.

Drymus orientalis Kerzhner, 1977. *Kunashir*: 95-VR-039, /1. **Shikotan*: 97-YMM-092a, 1/1; 97-YMM-101p/t, /1.

***D. pilicornis** (Mulsant & Rey, 1852). *Kunashir*: 97-YMM-045p/t, /1.

Lamproplax membranacea Distant, 1883. **Iturup*: 94-RLC-029, //5; 99-RLC-004, /1; 95-YK-047, 1/1/1.

Trichodrymus pameroides Lindberg, 1927. *Kunashir*: 97-YMM-045p/t, /1.

Stigmatonotum rufipes (Motschulsky, 1866). *Shikotan*: 98-BKU-098, /1.

Pachybrachius luridus Hahn, 1826. *Kunashir*: 97-YMM-069, 1/1. *Shikotan*: 97-YMM-087, 1/1.

Panaorus japonicus (Stål, 1874). *Kunashir*: 97-YMM-012, 1/1.

Family ALYDIDAE

Paraplesius unicolor Scott, 1874. *Shikotan*: 97-YMM-074, //2; 97-YMM-077, /2/10; 97-YMM-104, //1.

Family ACANTHOSOMATIDAE

Acanthosoma labiduroides Jakovlev, 1880. *Kunashir*: 96-BKU-095, 1.

A. spinicolle Jakovlev, 1880. *Kunashir*: 97-YMM-124, /1. *Shikotan*: 97-YMM-074, 1.

Elasmotethus humeralis Jakovlev, 1883. **Iturup*: 96-BKU-083, 1; 96-SG-061, /1. *Kunashir*: 99-DJB-102, /1; 99-DJB-119, /2; 97-TIR-001, 1/1; 97-YMM-047b, 1.

E. interstinctus (Linnaeus, 1758). *Kunashir*: 99-BKU-095, 1.

Elasmucha amurensis Kerzhner, 1972. *Iturup*: 99-NM-014, /1. *Kunashir*: 99-BKU-096, /1; 97-YMM-048, 2.

E. dorsalis (Jakovlev, 1876). *Kunashir*: 97-YMM-021, /1; 97-YMM-040p/t, /1; 97-YMM-060, 1.

E. signoreti Scott, 1874. *Kunashir*: 97-YMM-048, 2.

Family PENTATOMIDAE

Eysarcoris lewisi Distant, 1883. *Kunashir*: 95-PO-127, /2/1; 95-VR-038, 1/1; 97-YMM-039, /1; 97-YMM-115, 1.

Carbula abbreviata (Motschulsky, 1866). *Kunashir*: 96-BKU-094, /2/2; 97-BKU-009, /1; 98-BKU-077, 3/4; 99-BKU-102, 2/3; 98-DJB-001, 1/3; 99-DJB-102, 1/1; 99-DJB-107, 1/2; 99-DJB-111, 1/1; 99-DJB-118, 4/1; 96-EMS-25.08, 2/4; 95-PO-002, /1; 97-YMM-048, 5/8. — This species was identified previously as *C. humerigera* Uhler.

Palomena angulosa (Motschulsky, 1861). *Kunashir*: 96-BKU-094, //1; 95-PO-128, //1; 97-YMM-009, 1; 97-YMM-047b, /2.

Dolycoris baccarum (Linnaeus, 1758). *Iturup*: 95-VR-006, //1. *Kunashir*: 99-DJB-079, /2; 99-DJB-119, 3; 97-YMM-124, /1.

Eurydema rugosa (Motschulsky, 1861). *Kunashir*: 97-YMM-047b, /1.

Pentatoma rufipes (Linnaeus, 1758). *Kunashir*: 94-NM-013, 1/1; 95-PO-123, 1; 96-SG-070, 1; 97-YMM-048, /1.

Picromerus bidens (Linnaeus, 1758). *Kunashir*: 97-YMM-047b, /1.

UPDATED LIST OF HETEROPTERA OF THE KURIL ISLANDS

Distribution of species on the islands of the Kuril Archipelago is shown in the Table.

The following changes of nomenclature and identifications occurred since the publication of the preceding list (Kerzhner & Marusik, 1996).

Miridae: *Lygocoris nigrovirens*, *L. lucorum*, *L. spinolae*, *L. infamis*, *L. fraxinicola*, and *L. furvus* were transferred to *Apolygus*, *Arbolygus potanini*, to *Castanopsides*, *Lygus saundersi*, to *Cyphodemidea*, and *Creontiades tricolor*, to *Orientalis* (Kerzhner & Josifov, 1999). *Orthops sachalinus* was placed in synonymy with *O. scutellatus* (see Schwartz & Eyles, 1999). The Kuril records of

Table (cont.)

Species	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X
Miridae																								
<i>Tupiocoris annulifer</i> (Lindberg, 1927)																				•				
<i>Monalocoris filicis</i> (Linnaeus, 1758)																				•	•			
<i>Bryocoris montanus</i> Kerzhner, 1972															•		•		•	•				
<i>Bothynotus pilosus</i> (Boheman, 1852)		•				•					•								•					
<i>Alloeotomus simplicis</i> (Uhler, 1896)																			•					
<i>Deraeocoris ainolicus</i> Kerzhner, 1979																		•	•	•	•			
<i>D. pallidicornis</i> Josifov, 1983																			•	•	•			
<i>Capsus wagneri</i> (Remane, 1950)																			•	•				
<i>C. pilifer</i> (Remane, 1950)																			•	•				
<i>Irbisia sericans</i> (Stål, 1858)	•	•	•		•	•	•	•	•	•	•	•	•	•	•	•	•							
<i>Charagochilus angusticollis</i> Linnavuori, 1961																				•				
<i>Polymerus palustris</i> (Reuter, 1905)																			•	•				•
<i>Tingitotum rostratum</i> Kerzhner, 1972																			•	•				
<i>Lygocoris pabulinus</i> (Linnaeus, 1761)																		•	•	•				
<i>L. pabulinoides</i> (Linnavuori, 1961)																		•	•	•	•			•
<i>L. idoneus</i> (Linnavuori, 1963)																			•					
<i>L. lobatus</i> (Linnavuori, 1963)																		•	•	•				
<i>L. hoerlandti</i> Kulik, 1965																		•	•	•				
<i>L. pteleinus</i> Kerzhner, 1977																			•					
<i>L. honshuensis</i> (Linnavuori, 1961)																		•	•	•				
<i>L. longiusculus</i> Kulik, 1965																		•	•	•				
<i>L. tillicola</i> Kulik, 1965																		•	•	•				
<i>L. nemoralis</i> Kulik, 1965																	•		•	•				
<i>Apolygus nigrovirens</i> (Kerzhner, 1988)																	•	•	•	•	•	•	•	•
<i>A. lucorum</i> (Meyer-Dür, 1843)																	•	•	•	•	•	•	•	•
<i>A. spinolae</i> (Meyer-Dür, 1841)																	•	•	•	•	•	•	•	•
<i>A. infamis</i> (Kerzhner, 1977)																		•	•	•				
<i>A. fraxinicola</i> (Kerzhner, 1988)																		•	•	•				
<i>A. furvus</i> (Kerzhner, 1972)																		•	•	•				
<i>Arbolygus ulmi</i> (Kerzhner, 1979)																		•	•	•				
<i>A. rubripes</i> (Jakovlev, 1876)																		•	•	•				
<i>Castanopsides potanini</i> (Reuter, 1906)																		•	•	•				
<i>Lygus rugulipennis</i> Poppius, 1911																		•	•	•				
<i>Cyphodermidea saundersi</i> (Reuter, 1896)																		•	•	•				
<i>Orthops scutellatus</i> Uhler, 1877																		•	•	•				
<i>Pachylgus festivus</i> (Kerzhner, 1977)																		•	•	•				
<i>P. nigrescens</i> (Kerzhner, 1977)																		•	•	•				
<i>Salignus duplicatus medius</i> Kerzhner, 1979																		•	•	•				
<i>Stenotus binotatus</i> (Fabricius, 1794)																		•	•	•			•	
<i>S. rubrovittatus</i> (Matsumura, 1913)																		•	•	•				
<i>Eurystylus coelestialium</i> (Kirkaldy, 1902)																		•	•	•				
<i>Capsodes gothicus graeseri</i> (Autran & Reuter, 1888)																		•	•	•				
<i>Orientomiris tricolor</i> (Scott, 1880)																		•	•	•				
<i>Mermitelocerus annulipes prasinus</i> (Reuter, 1908)																		•	•	•				
<i>Adelphocoris tenebrosus</i> (Reuter, 1875)																		•	•	•				
<i>A. triannulatus</i> (Stål, 1878)																		•	•	•				
<i>A. lineolatus</i> (Goeze, 1778)																		•	•	•				
<i>A. saturatus</i> (Jakovlev, 1882)																		•	•	•	•		•	•
<i>A. variabilis</i> (Uhler, 1896)																		•	•	•				
<i>A. quadripunctatus</i> (Fabricius, 1794)																		•	•	•				
<i>A. piceosetosus</i> Kulik, 1965																		•	•	•				
<i>Phytocoris scottinus</i> Kerzhner, 1977																		•	•	•				
<i>P. pallidicollis</i> Kerzhner, 1977																		•	•	•				
<i>P. longipennis</i> Flor, 1861																		•	•	•				
<i>P. novickyi</i> Fieber, 1870																		•	•	•				
<i>Stenodema sibirica</i> Bergroth, 1914																		•	•	•				
<i>S. calcarata</i> (Fallén, 1807)															•			•	•	•		•		
<i>Dolichomiris kunyayamai</i> Miyamoto, 1967																		•	•	•				
<i>Trigonotylus viridis</i> (Provancher, 1872)																		•	•	•				
<i>T. caelestialium</i> (Kirkaldy, 1902)											•							•	•	•				
<i>Teratocoris depressus</i> Kerzhner, 1979																		•	•	•				
<i>T. saundersi</i> Douglas & Scott, 1869																		•	•	•				
<i>T. paludum</i> J. Sahlberg, 1870																		•	•	•				
<i>Leptopterna kerzhneri</i> Vinokurov, 1982																		•	•	•				
<i>Erimiris tenuicornis</i> Miyamoto & Hasegawa, 1967																		•	•	•				
<i>Orthocephalus fumestus</i> Jakovlev, 1881																		•	•	•				
<i>Cylloceria nakanishii</i> Miyamoto, 1969																		•	•	•				
<i>Cyrtorhinus caricis</i> (Fallén, 1807)																		•	•	•	•		•	
<i>Blepharidopterus ulmicola</i> Kerzhner, 1977																		•	•	•				
<i>Orthotylus pallens</i> (Matsumura, 1911)																		•	•	•				
<i>O. kurilensis</i> Kerzhner, 1997																		•	•	•				

Table (end)

Species	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X
<i>L. majuscula</i> Kerzhner, 1977																			•					
<i>Trichodrymus pameroides</i> Lindberg, 1927																				•	•			
<i>Gastrodes grossipes japonicus</i> (Stål, 1874)																				•				
<i>Stigmatonotum rufipes</i> (Motschulsky, 1866)																			•	•	•			
<i>Pachybrachius luridus</i> Hahn, 1826																			•	•	•			
<i>Paraparomius lateralis</i> (Scott, 1874)																				•				
<i>Panaorus japonicus</i> (Stål, 1874)																				•				
<i>Peritrechus femoralis</i> Kerzhner, 1977																				•				
<i>Sphragisticus nebulosus</i> (Fallén, 1807)																				•				
Pyrrhocoridae																								
<i>Pyrrhocoris sibiricus</i> Kuschakewitsch, 1867																				•				
Alydidae																								
<i>Paraplestis unicolor</i> Scott, 1874																				•	•			
Rhopalidae																								
<i>Rhopalus maculatus</i> (Fieber, 1836)																				•				
<i>Stictopleurus punctatonevrosus</i> (Goeze, 1778)																				•				
Urostylididae																								
<i>Urostylis annulicornis</i> Scott, 1874																				•				
Acanthosomatidae																								
<i>Acanthosoma expansum</i> Horváth, 1905																				•				
<i>A. spinicollis</i> Jakovlev, 1880																				•	•			
<i>A. labiduroides</i> Jakovlev, 1880																				•				
<i>A. denticaudum</i> Jakovlev, 1880																				•				
<i>Elasmostethus humeralis</i> Jakovlev, 1883																				•	•	•		
<i>E. interstinctus</i> (Linnaeus, 1758)																				•	•	•		
<i>Elasmucha fieberi</i> (Jakovlev, 1865)																				•	•			
<i>E. amurensis</i> Kerzhner, 1972																				•	•	•		
<i>E. dorsalis</i> (Jakovlev, 1876)																		•		•	•			
<i>E. signoreti</i> Scott, 1874																				•				
Cydnidae																								
<i>Microporus nigrita</i> (Fabricius, 1794)																				•				
<i>Macroscyrtus japonensis</i> Scott, 1874																				•				
<i>Geotomus confusus</i> Hsiao, 1977																				•				
<i>Adomerus variegatus</i> (Signoret, 1884)																				•				
Pentatomidae																								
<i>Graphosoma rubrolineatum</i> (Westwood, 1837)																				•				
<i>Aelia fieberi</i> Scott, 1874																				•				
<i>Eysarcoris gibbosus</i> (Jakovlev, 1904)																				•				
<i>E. lewisii</i> Distant, 1883																				•	•			
<i>Carbula abbreviata</i> (Motschulsky, 1866)																				•				
<i>Palomena angulosa</i> (Motschulsky, 1861)																				•				
<i>Carpocoris purpureipennis</i> (De Geer, 1773)																				•				
<i>Dolycoris baccarum</i> (Linnaeus, 1758)																				•				
<i>Eurydema rugosa</i> (Motschulsky, 1861)																				•				
<i>Pentatoma rufipes</i> (Linnaeus, 1758)																				•				
<i>Picromerus bidens</i> (Linnaeus, 1758)																				•				
<i>Dinorhynchus dybowskii</i> Jakovlev, 1876																				•				
<i>Arma custos</i> (Fabricius, 1794)																				•				

Abbreviations: A, Shumshu; B, Paramushir; C, Alaid; D, Makanrushi; E, Onekotan; F, Kharimkotan; G, Chirinkotan; H, Ekarma; I, Shishkotan; J, Matua; K, Rasshua; L, Ryponkicha; M, Yankicha; N, Ketoi; O, Simushir; P, Chirpoi; Q, Urup; R, Iturup; S, Kunashir; T, Shikotan; U, Polonskogo; V, Zelionyi; W, Yuriy; X, Tanfilyeva.

Polymerus unifasciatus refer actually to *P. palustris* and of *Orthotyplus interpositus*, to *O. kurilensis*.

Aradidae: *Aneurus glaberrimus* is now placed in *Aneurillodes*, *A. galiae* and *A. nipponicus*, in *Paraneurus*, and *A. macrotylus*, in *Neaneurus* (Heiss, 2001). Specimens from the Kuril Islands recorded as *Aradus bergrothianus* refer actually to *A. orientalis* (Heiss, 2003).

Pentatomidae: *Carbula humerigera* of authors (not Uhler) should be named *C. abbreviata* (see Rider et al., 2002).

TAXONOMIC NOTES

Family MIRIDAE

Bryocoris montanus Kerzhner, 1972

In the specimens examined from Urup (1 male) and Simushir (1 male, 1 female), the antennae are shorter than in those from other localities, male hind femora not dark-

ened, antennal segment 2 pale in basal half (female) or two-thirds (male), hind lobe of female pronotum yellow (except hind corners). From the external appearance, such specimens can be confused with *B. pteridis* Fall., but their parameres are typical of *B. montanus*.

Psallus oyashimensis Yasunaga & Vinokurov, 2000

Yu.M. Marusik collected one male of this species from Krabozavodskoe, Shikotan, on 11-18 September 1997. Most of the collecting was made in light traps. The Shikotan specimen is much darker than specimens from Japan: the body, antennae and legs are brownish black, only the base of cuneus narrowly pale.

Psallus nigricornis Yasunaga & Vinokurov, 2000

The species was collected together with the preceding one. The Shikotan specimens are dark, resembling those from Hokkaido.

Family LYGAEIDAE

Plinthisus japonicus (Hidaka, 1962)

One brachypterous female tentatively identified as this species has been collected by Yu.M. Marusik on Krugly Cape (145°39.38' E, 44°00.28' N), Kunashir Island, on scree of a north-exposed slope on 2 September 1997. It is 4 mm long; antennae dark brown in dorsal view, somewhat paler ventrally; legs yellow with hardly darker femora; rostrum brown with yellowish areas; scutellum with a narrow unpunctured median stripe.

The holotype of *P. japonicus*, a macropterous female from Japan (Shikoku), is, according to the original description (Hidaka, 1962), 3.5 mm long, with dark brown antennae and light yellow rostrum; the legs are dark brown with tibiae and tarsi light brown and apices of fore tibiae light yellow; no mention is made of an unpunctured stripe on scutellum. Unfortunately, the holotype being for many years at loan is inaccessible for examination and no further specimens are collected in Japan (Dr. M. Tomokuni, pers. comm.).

Josifov & Kerzhner (1978) identified as *P. japonicus* specimens from Mongolia, Korea and the mainland of the Russian Far East. In these specimens, the body length varies between 3.2 and 4 mm in both sexes, antennal segments 1 and 2 (except its apex) are yellow, rostrum yellow with brown apex, and scutellum without unpunctured stripe. It is very possible that two or three closely related species are mixed under the name *P. japonicus*, but no definite conclusion can be made without examination of the holotype and additional specimens from Japan.

Drymus pilicornis (Mulsant & Rey, 1852)

One female has been collected by Yu.M. Marusik on Krugly Cape, Kunashir, in pitfall traps, in a meadow with mats of *Empetrum asiaticum*, on 2-23 September 1997. The specimens from the Russian Far East differ from the European ones in the much shorter pubescence of legs and in the hemelytra always reaching the apex of abdomen. Probably this is true also for specimens from Hokkaido and NE China recorded by Hidaka (1962). A new species or at least subspecies will be described for these specimens elsewhere.

DISCUSSION

In total, 236 species of Heteroptera are recorded from the Kuril Islands. The number of species recorded from particular islands is as follows: Shumshu – 8, Paramushir – 14, Alaid – 5, Makanushi – 2, Onokotan – 4, Kharimkotan – 3, Chirinkotan – 1, Ekarma – 1, Shiashkotan – 4, Matua – 3, Rasshua – 5, Ryponkicha – 1, Yankicha – 2, Ketoi – 8, Simushir – 9, Chirpoi – 2, Urup – 25, Iturup – 69, Kunashir – 217, Shikotan – 88, Polonskogo – 9, Zeliomyi – 11, Yuriy – 8, Tanfilyeva – 10.

The Kuril Archipelago is usually subdivided into 3 groups of islands, but composition of these groups is not identical in the works of different authors. The subdivision accepted in this paper (and differing from that in Kerzhner & Marusik, 1999) corresponds to that on the website of the expedition: North Kurils from Shumshu to Shiashkotan, Middle Kurils from Matua to Simushir and South Kurils from Chirpoi to the southern end of the archipelago.

The fauna of North and Middle Kurils is very poor; only 16 species were recorded from each group of islands. Of the southern islands, Kunashir, the southernmost of

the large islands (and also the best investigated), has the richest fauna.

Nearly all species occurring on the North Kurils are found in Kamchatka, and those occurring on the South Kurils, in Hokkaido. The rare exceptions are mostly species requiring special methods of collecting; there is hardly any doubt that they will be found in adjacent areas.

Six species are found in all the three groups of islands (*Arctocoris kurilensis*, *Saldula opacula*, *Acomporis brevisrostris*, *Bothynotus pilosus*, *Irbisia sericans*, and *Mecomma ambulans*). Seven species are found on the northern and southern islands, but not on the middle ones (*Salda littoralis*, *Macrosaldula rivularia*, *Saldula saltatoria*, *S. palustris*, *Europiella artemisiae*, and *Scolopostethus thomsoni*); at least some of them will be probably found on middle islands as well. Three of the 16 species found on the islands of the northern group (*Calli-corixa producta*, *Teratocoris saundersi*, and *Nysius groenlandicus*) do not occur on the islands situated southwards; all these species clearly have northern distribution in the mainland.

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