

New records of plant bugs from the Asian part of Russia (Heteroptera: Miridae)

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Hundred and forty-six species of Miridae are recorded for the first time from various regions of Siberia and the Far East of Russia.

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Data on distribution of species of Miridae in Siberia and the Far East of Russia are contained in numerous publications and are summarized by Aukema & Rieger (1999). Preparation of the Catalogue of Heteroptera of the Asian part of Russia (Vinokurov et al., 2006) revealed many new records for administrative subdivisions or their parts. The paper contains new data on distribution of 146 species of Miridae in different regions of Siberia and the Far East of Russia.

The following abbreviations are used for the names of administrative subdivisions in Siberia and the Far East of Russia: Alt – Altai Terr., Bur – Republic of Buryatia, Cht – Chita Prov., JAP – Jewish Autonomous Prov., Irk – Irkutsk Prov., Kem – Kemerovo Prov., Kha – Republic of

Khakasia, Khb – Khabarovsk Terr., KhM – Khanty-Mansi Autonomous Distr., Kr – Krasnoyarsk Terr. (KrN, KrSb, KrM, KrS – northern, subboreal, middle and southern parts, respectively; see Fig. 1), Kur – Kurgan Prov., Nov – Novosibirsk Prov., Om – Omsk Prov., Prm – Primorsk Terr., RAI – Republic of Altai, Tom – Tomsk Prov., Ty – Republic of Tuva, Tyu – Tyumen Prov., Yak – Yakutia, or Sakha Republic (YakC, YakNW, YakNE – central, north-western and north-eastern Yakutia, respectively; see Fig. 2), YaN – Yamal-Nenets Autonomous Distr.

Names of depositories of the material examined are abbreviated as follows: IBPC – Institute for Biological Problems of Cryolithozone, Yakutsk; IPEE – Institute for Problems of Evolution and Ecology, Moscow; ISU – Irkutsk State University; SIFIBP – Siberian Institute of Physiology and Biochemistry of Plants, Irkutsk; SZM – Siberian Zoological Museum of the Institute of Systematics and Ecology of Animals, Novosibirsk. All other material cited here is kept at Zoological Institute, St. Petersburg.

Subfamily BRYOCORINAE

Bryocoris persimilis Kerzh. Khb (Khekhtsirsk Nature Reserve).

B. pteridis Fall. Alt (Belokurikha), Kem (Kuznetsk Alatau, Teba R.), KhM (Yugansk Reserve).

Monalocoris filicis L. Alt (Belokurikha), KrM (Mirnoe), RAI (Ulaly).

Dicyphus globulifer Fall. Alt (Lebyazh'e).

Nesidiocoris tenuis Reut. Prm (Vladivostok).

Tupiocoris annulifer Lindb. Cht (Alkhanay Mt., Bal'zino), RAI (Ulaly; 20 km SE of Onguday).

Subfamily DERAEOCORINAE

Bothynotus pilosus Boh. Bur (Zuboskun R., upper course of Utulik R.), Kem (Birchikul').

Deraeocoris annulipes H.-S. Cht (Ingoda), Tom (Chingary).

D. ater Jak. Alt (Belokurikha; Beloretskaya; Zmeinogorsk), Bur (Kyakhta), Cht (Bal'zino; Sretensk), JAP (Kul'dur, basin of Bureya R.), Kem (Vaganovo; Birchikul')

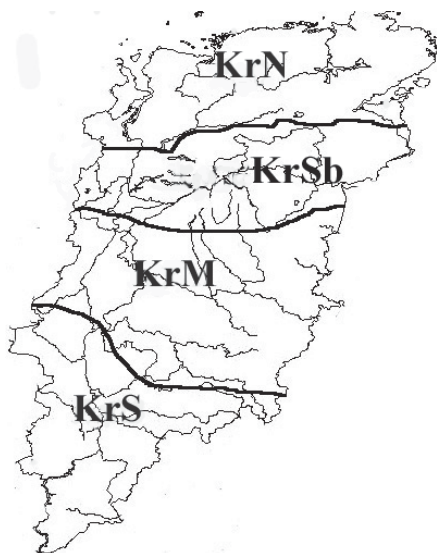


Fig. 1. Parts of Krasnoyarsk Territory.



Fig. 2. Parts of Yakutia.

R.), Nov (Novosibirsk – SZM), RAI (Teletskoe Lake; Uznezya on the Katun' R.).

D. olivaceus F. Cht (Ingoda; Onon R.), KrS (Krasnoyarsk), RAI (Kirsay; N coast of Teletskoe Lake).

D. punctulatus Fall. Alt (Lebyazh'e; Severnaya), Bur (Shara-Gol; Kyakhta; Ulan-Ude), Cht (Bal'zino; Chita; Sretensk), Nov (Novosibirsk – SZM), RAI (Kosh-Agach; 20 km SE of Onguday), YakNW (Zhigansk).

D. scutellaris F. Bur (Selenga R., Ust'-Urluk), Tom (Semiluzhnoe).

D. ventralis ventralis Reut. Alt (Zmeinogorsk), Bur (Dureny; Shara-Gol; Kyakhta; Ulan-Ude; Ust'-Urluk), Cht (Ingoda), Irk (Bol'shie Koty; Mol'ka; Kharyuzovka), Om (Omsk).

Subfamily MIRINAE

Tribe Mirini

Adelphocoris laeviusculus Vin. YaN (Krasnosel'kup).

A. quadripunctatus F. Tom (Semiluzhnoe).

A. reicheli Fieb. Alt (Belokurikha), Cht (Bal'zino; Shara-Gol, Shilka R.), JAP (Bol'shie Churki Range, Birobidzhan), Kem (Birchikul' vill.), RAI (Ikol' R., Chulyshman; Teletskoe Lake; Uznezya on the Katun' R.).

A. seticornis F. Nov (Novosibirsk – SZM).

A. tenebrosus Reut. JAP (Pashkov, 25 km SE of Obluch'ye).

A. triannulatus Stål. Alt (Barnaul), Kem (Tisul'), RAI (Artybash – SZM).

Alloeonotus egregius Fieb. RAI (Ust'-Kan).

Allorhinocoris flavus J. Sahlb. Alt (Belokurikha), Kem (Birchikul' Lake; Teba R.; Vaganovo), RAI (20 km SE of Onguday; Kudara R. near Kuray Range; Kyzylzhim R., 30 km of Ten'ga; Teletskoe Lake; Ust'-Kan), Tom (Tomsk), YaN (upper course of Taz R.).

Apolygus lucorum M.-D. Bur (Khaimskaya, Barguzin road), Cht (Sretensk), Irk (Baikal Lake; Irkutsk; Tal'tsy), Kem (Birchikul' Lake; Tisul'), Kha (junction of Balyksa and Tom' rivers).

A. nigronasutus Stål. Alt (Belokurikha; Talitsa, near Charysh R.), RAI (Onguday; Teletskoe Lake).

A. spinolae M.-D. YakC (Lena Pillars – IBPC), YakNE

(Tompson R.; upper course of Vostochnaya Khandyga R.; Tyostakh R., tributary of Adycha – IBPC), YaN (upper course of Taz R.).

Brachycoleus decolor Reut. Tom (Tomsk).

Campotozygum aequale Vill. Cht (Chita), Irk (Akhiny – SIFBP).

Capsodes gothicus gothicus L. Bur (Kyakhta; Ust'-Urluk, Selenga R.), RAI (Bay-Gol R., tributary of Biya; Saidys R., tributary of Katun'; Teletskoe Lake), YakC (Lena Pillars – IBPC), YaN (Muzhi; Pei-ya-Vozh, Ob' R.).

Capsus cinctus Kol. RAI (Katanda – SZM).

C. pilifer Rem. Alt (Tigereksk Reserve), Cht („Irkutskiy raz'ezd I"), Irk (Irkutsk; Bratsk; Tayshet), Kem (Birchikul'; Tisul'), KhM (Yugansky Reserve), KrM (basin of Bakhta R.), Nov (Novosibirsk – SZM), RAI (Katanda – SZM; Chulyshman; Teletskoe Lake), Tv (Chadanskiy pass, 1500-1700 m), Tyu (Uval settl., valley of Tobol R. – SZM).

Charagochilus gyllenhalii Fall. Cht (Chita; Ingoda; Sretensk), RAI (Katanda – SZM).

Closterotomus fulvomaculatus De G. Bur (Vitim Uplands, Baysa – SZM), Kha (Abakan; Kamzas R., tributary of Magaza; Kyzas R.; Mantura R.), KrM (Taymura R.), RAI (Teletskoe Lake; Uymer' R., tributary of Biya), Tom (Semiluzhnoe), Tyu (Tobol'sk Field Station of IPEE – IPEE), YaN (Bol'shaya Synya; Labytnangi; upper course of Taz R.).

Dichroscytus rufipennis Fall. Irk („Taykhan"), Kem (Vaganovo).

Lygidea illota Stål. Kem (Birchikul'), Kha (Shiro Lake), KrS (Krasnoyarsk), YaN (upper course of Taz R.).

Lygocoris pabulinus L. Kem (Birchikul' Lake), Tom (Tomsk), YaN (Pei-ya-Vozh; upper course of Taz R.).

L. rugicollis Fall. RAI (Kosh-Agach).

Neolygus contaminatus Fall. KrSb (Maloe Khantayskoe Lake), RAI (20 km SE of Onguday), YaN (upper course of Taz R.).

Orthops basalus A. Costa. Kha (Matur; from Kyzas R. to Abakan R.), Tyu (Tobol'sk – IPEE).

O. campestris L. Kem (Tisul').

O. mutans Stål. RAI (20 km SE of Onguday; Uznezya).

O. scutellatus Uhl. Alt (Belokurikha), Bur (Shara-Gol; Kyakhta; Ust'-Kiran; Ust'-Urluk), Cht (Sretensk; „raz'ezd Sektuy"), Kem (Novokuznetsk; Tisul'), Kha (Askiz, Abakan R.; junction of Balyksa and Tom' rivers; mouth of Matur R., tributary of Abakan), KrS (Yeniseysk, Kan-ygino; Krasnoyarsk; Taseevo), RAI (Teletskoe Lake; Ust'-Kiran), Tom (Semiluzhnoe).

Phytocoris incanus Fieb. RAI (Kosh-Agach).

Ph. insignis Reut. Alt (Beloretskaya), Irk (Baikal Lake).

Ph. intricatus Flor. Alt (Beloretskaya), KhM (Yugansk Reserve).

Ph. pini Kbm. Kem (Teba), KhM (Yugansk Reserve), Irk (Akhiny – SIFBP), Tyu (Tobol'sk), Tv (Kyzyl; Ulatay R., tributary of Khandagaity).

Ph. populi L. Cht (Peschanaya; Sretensk), KrS (Minusinsk).

Pinalitus rubricatus Fall. RAI (20 km SE of Onguday).

Polymerus asperulae Fieb. Cht (Sedlovoy), KrS (Krasnoyarsk), Om (Omsk).

P. brevicornis Reut. Alt (Lebyazh'e), Bur (Sretensk; 30 km E of Kyakhta; Ust'-Kiran), Cht (Nerchinsk; Sretensk), KrS (Minusinsk), Om (Omsk), RAI (Teletskoe Lake), Kem (Tisul').

P. carpathicus Horv. Alt (Beloretskaya), Kem (Birchikul'; Tisul').

P. nigrita Fall. Kem (Birchikul'; Tisul'), KrM (Nizhnaya Tunguska – Urgochar; Letnyaya R., near flowing into Yenisey; Verkhne-Imbatskoe, Yenisey R.), RAI (Artybash).

Stenotus binotatus F. Alt (Belokurikha).

Tribe *Stenodemini*

Actinocoris signatus Reut. RAI (10 km of Tashanta; Kosh-Agach).

Megaloceroea recticornis Geoffr. Alt (Malakhovo, Kosikhinsk Distr. – SZM; Belokurikha), Irk (Irkutsk – ISU), RAI (Chulyshman valley).

Myrmecoris gracilis R.F. Sahlb. Nov (Novosibirsk).

Notostira elongata Geoffr. Alt (Belokurikha; Lebyazh'e; Severnaya), Nov (Baraba forest-steppe, Chumakovo; 30 km SE of Lebedinskiy settl. – SZM), Om (30 km S of Omsk), RAI (Uzneznya).

N. erratica L. Alt (Malakhovo, Kosikhinsk Distr. – SZM).

N. sibirica Golub. Bur (Vitim Uplands, Antik – SZM), Irk (Irkutsk; SW Baikal Lake), Kem (Tisul'), KrS (Kanygino; Novoselovo), Tv (Berezhovka), Tyu (Tobol'sk).

Pithanus hrabei Stehlí k. RAI (20 km SE of Onguday).

Stenodema calcarata Fall. Cht (Chita), Tom (Semiluzhnoe).

S. holsata F. KhM (Ugut; Yugansk Reserve), YaN (Krasnosel'kup; Salekhard).

S. sibirica Bergr. Bur (Kokoreno settl. – SZM), Irk (Irkutsk; SW Baikal), KhM (Yugansk Reserve), Tom (Semiluzhnoe), RAI (Teletskoe Lake; Ust'-Kan; Uzneznya).

S. trispinosa Reut. Alt (Lebyazh'e), Kem (Tisul'), Kur (Iskra settl.), RAI (Teletskoe Lake; Ust'-Kan), Tom (Semiluzhnoe), YaN (upper course of Taz R.).

S. virens L. Alt (Barnaul), KrM (spurs of Ovsakan Range, Nizhnaya Tunguska).

Teratocoris antennatus Boh. Cht (30 km E of Dauria Station).

T. paludum J. Sahlb. KrS (Podkamennaya Tunguska, Vanavara).

T. saundersi saundersi Dgl. & Sc. Irk (Baikal Lake), Tv (Mogun-Buren').

T. viridis Dgl. & Sc. KhM ("Ondyriyuganskies yurty", Ob' R.).

Trigonotylus caelestialium Kirk. Alt (Biysk; Lebyazh'e; Severnaya), Nov (Yarkul', SW coast of Chany Lake), Om (Irtysh R. near Omsk), RAI (Kosh-Agach), Tyu (Tyumen').

Subfamily ORTHOTYLINAE

Tribe *Halticini*

Anapus kirschbaumi Stål. Bur (Shara-Gol; Kyakhta), Cht (Chita; Kharanor; Sretensk), Kha (from Matur R. to Ada R.), KrS (Krasnoyarsk), RAI (Kosh-Agach; 20 km SE of Onguday).

A. rugicollis Jak. Kem (Tisul'), RAI (Kosh-Agach).

Euryopocoris nitidus M.-D. Alt (Biysk; valley of Belaya R.; Pavlovsk), Kha (Bol'shoi Kyzas, tributary of Abakan R.; Kara-Syube pass; Nemir R.; Prorokoil'insk on Kyzas R.), KhM (Bol'shoi Atlym), KrM (Nizhnaya Tunguska R., near mouth), Om (Omsk), RAI (Shebalino; Seminsk Pass; Teletskoe Lake; Ten'ga; Turochak; Ulaly; Ust'-Kan), Tom (Tomsk).

Halticus apterus apterus L. Alt (Beloretskaya; Lebyazh'e), Cht (Sretensk), RAI (Teletskoe Lake; Uzneznya; Ust'-Kan).

H. pusillus H.-S. Alt (Beloretskaya; Severnaya), KrS (Krasnoyarsk), Nov (Yarkul', SW coast of Chany Lake).

Labops burmeisteri Stål. RAI (valley of Dzhozater R.; Kosh-Agach; N of Karakol' Lake; 10 km W of Tashanta).

L. sahlbergi Fall. Alt (Pavlovsk), Kem (Birchikul'; Vaganovo), Kha (Kamzas R., tributary of Magaza; mouth of Abatur, tributary of Abakan R.; Balyksa), KrM (Nizhnaya Tunguska R., near mouth), RAI (Kyzyl'dzhym R., 30 km of Ten'ga; Teletskoe Lake; Ust'-Kan), Tom (Semiluzhnoe).

Myrmecophyes alboornatus Stål. Alt (Pavlovsk), Kem (Tisul'), Om (Omsk), RAI (20 km SE of Onguday).

Orthocephalus bivittatus Fieb. Nov (19 km of Karasuk, "Troitskaya steppe" reserve territory; SW coast of Chany Lake), Om (Omsk).

O. brevis Panz. Kha (Matur R., tributary of Abakan).

O. saltator Hahn. Tv (Berezhovka).

O. vittipennis H.-S. Alt (Pavlovsk; Severnaya; Slavgorod), Kem (Tisul'), Kha (Balyksa; Shiro Lake), RAI (Teletskoe Lake; 20 km SE of Onguday), Tom (Semiluzhnoe).

Piezocranum simulans Horv. RAI (Katanda – SZM).

Strongylocoris leucocephalus L. Alt (Troitskoe), Kem (Birchikul'; Teba R.; Tisul'), Nov (Yarkul', SW coast of Chany Lake), RAI (20 km SE of Onguday).

S. niger H.-S. Alt (Tigireksk Reserve), Om (Omsk).

Tribe *Orthotylini*

Blepharidopterus angulatus Fall. Cht (Chita), Tyu (Tobol'sk).

B. diaphanus Kbm. Cht (Sretensk), RAI (Kosh-Agach), Tv (Erzin).

Cyllocoris histrionius L. Alt (Pavlovsk).

Cyrtorrhinus caricis Fall. KrS (Uchum Lake, SW of Achinsk).

Excentricus planicornis H.-S. YakC (Vostochnaya Khandyga R., Rosomakha).

Fieberocapsus flaveolus Reut. YakC (Vostochnaya Khandyga R., 231 km of road Khandyga–Magadan).

Globiceps flavomaculatus F. Alt (Beloretskaya; Pavlovsk), Bur (Kyakhta), Kem (Tisul'), KrM (Letnyaya R., tributary of Nizhnaya Tunguska), RAI (20 km SE of Onguday; Teletskoe Lake; Uzneznya).

G. salicicola Reut. YaN (M. Urel', Vorchaty Lake; upper course of Taz R.).

Heterocordylus leptocerus Kbm. Kur (Ust'-Ubskoe).

Hyoidea kerzhneri Hob. RAI (Kosh-Agach).

Mecomma dispar Boh. Tyu (Tobol'sk).

M. ambulans ambulans Fall. Alt (Beloretskaya), KrM (Mirnoe), YaN (upper course of Taz R.).

Orthotylus boreellus Zett. Bur (upper course of Right Osinovka R.), KrN (Yantardakh), YaN (upper course of Taz R.).

O. flavosparsus F. Sahlb. Cht (Bal'zino; Chita; Soktuy; Sretensk), Nov (Yarkul', SW coast of Chany Lake), Om (Omsk), RAI (Uzneznya), Tyu (Tobol'sk).

O. interpositus Schmidt. Alt (Tigireksk Reserve), Kem (Tisul'), RAI (20 km SE of Onguday; Teletskoe Lake).

O. lenensis Lindb. RAI (10 km W of Tashanta; Kosh-Agach).

O. marginalis Reut. Tyu (Tobol'sk), Kem (Vaganovo), YaN (upper course of Taz R.).

O. melanotylus Kerzh. RAI (Kosh-Agach; Kuray).

O. minutus Jak. Alt (Lebyazh'e), Nov (Yarkul', SW coast of Chany Lake).

O. nassatus F. Tyu (Tobol'sk).

O. turanicus Reut. Cht (Kharanor), RAI (20 km SE of Onguday; Kosh-Agach; Ust'-Kan).

Subfamily PHYLINEAE

Tribe **Pilophorini**

Pilophorus clavatus L. Cht (Sretensk), RAI (Kosh-Agach), Tyu (Tobol'sk).

Tribe **Hallodapini**

Hallodapus pumilus Horv. Irk (SW Baikal, source of Angara R.).

H. rufescens Burm. Tyu (Tobol'sk).

Tribe **Phylini**

Acrotelus pilosicornis pilosicornis Reut. Alt (Lebyazh'e), Bur (Kyakhta), Cht (Sretensk), Irk (Irkutsk; Baikal Lake, Ol'khon Isl.), Kha (Abakan), KrS (Krasnoyarsk; Minusinsk, Novoselovo).

Atomoscelis onusta Fieb. Alt (Severnaya), Nov (Yarkul', SW coast of Chany Lake), RAI (Kosh-Agach).

Atractotomus morio J. Sahlb. Kem (20 km SE of Kemerovo).

Brachyarthrum limitatum Fieb. Bur (Ust'-Kiran), YakC (Vostochnaya Khandyga R., 231 km of road Khandyga-Magadan).

Chlamydatus allii V.G. Putshk. Cht (Kharanor), RAI (Kosh-Agach).

Ch. pullus Reut. Alt (Severnaya; Slavgorod; Troitskoe), Kha (mouth of Matur R., tributary of Abakan; Shiro Lake), RAI (Ust'-Kan).

Ch. saltitans Fall. Alt (25 km N of Rubtsovsk), KrS (Karatuzskoe), Nov (Druzhinino, near SW coast of Chany Lake; Yarkul').

Ch. wilkinsoni Dgl. & Sc. KrM (Mirnoe), YaN (Obdorsk tundra; between Maly Ural and Varchaty).

Chlorillus pictus Fieb. Alt (Lebyazh'e; Severnaya).

Compsidolon pumilum Jak. Kha (Abakan), RAI (Kosh-Agach).

C. salicellum H.-S. Irk (SW Baikal Lake, Bol'shie Koty).

Conostethus hungaricus Wagn. Cht (between Soktuy and Novovozdvizhenka), Irk (Adgiyn), Nov (SW coast of Chany Lake), Om ("south of Omsk uезд"), RAI (Chuysky road, Iodra; Kosh-Agach; 10 km W of Tashanta; Teletskoe Lake).

Criocoris quadrimaculatus Fall. Alt (Pavlovsk; Severnaya), Kha (Shiro Lake).

Dacota hesperia Uhl. Cht (Chita; Yamarovka), RAI (Kosh-Agach), YaN (Krasnosel'kup).

D. nigratarsis Jak. Alt (Lebyazh'e; Severnaya).

Europiella artemisiae Beck. Alt (Barnaul; Belokurikha; Lebyazh'e; Pavlovsk; Severnaya; Slavgorod; Troitskoe), Bur (Shara-Gol; Kyakhta; Ust'-Kiran), Cht (Sretensk), KrM (Nizhnyaya Tunguska R., upper Vava R.), RAI (Uznezya), YaN (upper course of Taz R.).

Excentricoris pictipes Reut. Kem (Tisul'), RAI (Kosh-Agach; Upper Uymon; 20 km SE of Onguday).

Macrotylus cruciatus F. Sahlb. Cht (Ingoda; Novy Zardama), Kem (Tisul'), RAI (20 km SE of Onguday; Koks R., Kosh-Agach; Teletskoe Lake; Uymon).

M. dimidiatus Jak. RAI (20 km SE of Onguday).

M. mundulus Stål. RAI (20 km SE of Onguday).

Maurodactylus albidus Kol. KrS (Minusinsk).

Megalocoleus molliculus Fall. Alt (Beloretskaya), Om (Troitskoe).

M. tanacetii Fall. YaN (upper course of Taz R.).

Monosynamma bohemanni Fall. KrM (Nizhnyaya Tunguska R. near mouth), YaN (upper course of Taz R.).

Oncotylus punctipes Reut. Kem (Tisul'), RAI (Uymon).

Phaeochiton caraganae Kerzh. RAI (20 km SE of Onguday).

Plagiognathus arbustorum arbustorum F. Alt (Beloretskaya; Belokurikha), Cht (Bal'zino; Chita; Sretensk), Kem (Birchikul' Lake), RAI (Teletskoe Lake; Upper Uymon), YaN (upper course of Taz R.).

P. chrysanthemi Wolff. Alt (Belokurikha), YaN (Krasnosel'kup).

Plesiodema pinetella Zett. Bur (Alkhanay Mt.; Kyakhta), Irk (Akhiny – SIFIBP), RAI (Kurray).

Psallus aethiops Zett. Cht (Ivan Lake, 45 km NW of Chita), RAI (Chikhachev Range; 20 km SE of Onguday; 30 km ESE of Kosh-Agach).

P. betuleti Fall. Alt (Beloyarsk), Bur (Tagoy Lake, "13 verst of Temnik R."; Kyakhta), Cht (Ivan Lake, 45 km NW of Chita), Kem (Tisul'), Om (Omsk), Tom (Tomsk; Tom' R.), YakNW (Zhigansk).

P. graminicola Zett. YakNW (Verkhoyanskiy Range, upper course of Kele R.).

P. haematodes Gmel. Kem (Birchikul' vill.), KhM (Ugut; Yugansk Reserve), Tv (Sosnovka; Aryg-Uzuu, S of Shagunar), Tyu (Durlinka near Tobol'sk).

P. luridus Reut. YaN (upper course of Taz R.).

P. vittatus Fieb. Irk (Akhyny; SW Baikal), RAI (20 km SE of Onguday; Kurray).

Salicarus fulvicornis Jak. RAI (Kosh-Agach).

S. roseri H.-S. KrS (Krasnoyarsk), YaN (upper course of Taz R.).

Solenoxyphus lepidus Put. Bur (Borgoyskaya steppe), Kha (Abakan).

Tytthus pygmaeus Zett. Irk (Kharga, SW Baikal).

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References

- Aukema, B. & Rieger, Chr. (Eds.). 1999. *Catalogue of the Heteroptera of the Palaearctic Region*, 3. 577 pp. Netherlands's Entomological Society.
- Vinokurov, N.N., Golub, V.B., Kanyukova, E.V. & Stepanov, A.D. 2006. On the Catalogue of Heteroptera of the Asian part of Russia. *Third quadrennial meeting of International Heteropterist's Society. Abstracts*: 44-45. Wageningen.

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