

Linyphiid spiders of the West Siberian Plain (Arachnida: Aranei)

Пауки-линифииды Западно-Сибирской равнины (Arachnida: Aranei)

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КЛЮЧЕВЫЕ СЛОВА: Пауки, Linyphiidae, Западная Сибирь, фаунистика, распространение.

ABSTRACT. A check-list of 159 species of the spider family Linyphiidae collected in the boreal part of the West Siberian Plain, Russia is compiled. One species, *Carorita paludosa* Duffey, 1971, is new to the Russian fauna, further 56 are new to the West Siberian list. Faunistic data and the distribution pattern of each of the species are documented. All previous records of *Agyreta saxatilis* (Blackwall, 1844) in Siberia, the Urals and the Caucasus are shown to actually concern *A. mossica* (Schikora, 1993).

РЕЗЮМЕ. Для бореальной части Западно-Сибирской равнины приведен список из 159 видов пауков семейства Linyphiidae. Один вид — *Carorita paludosa* Duffey, 1971 — впервые отмечен для фауны России, 56 видов — для фауны Западной Сибири. Даны точки находок видов и их распространение. Установлено, что все прежние находки *Agyreta saxatilis* (Blackwall, 1844) в Сибири, на Урале и на Кавказе относятся к виду *A. mossica* (Schikora, 1993).

Introduction

The West Siberian Plain is one of the globe's largest accumulative lowlands, ranging from the shores of the Kara Sea in the North to the steppes of Kazakhstan in the South, and from the Urals in the West to Yenisey River in the East. Even though West Siberia is the most heavily populated, and thus most accessible, part of Siberia, this territory yet is perhaps the worst prospected among the larger regions of northern Asia as to its fauna of the Linyphiidae, and of the spiders as a whole. Paradoxically, but for the first time numerous highly widespread or pan-Siberian species have become recorded in West Siberia with this publication.

The first, as well as the latest, major paper concerning the spiders of West Siberia is that by Eshunin

[1996], which concerned the fauna of the Yugansky Nature Reserve. He provided there a detailed list of 88 linyphiid species, considering also all the synonymies and misidentifications known to that time. The present study nearly twice augments the fauna.

Region, material and methods

This study is based on the extensive collections made recently by Alexander B. Ryvkin (Moscow) in the Yugansky Nature Reserve, in the Surgutskiy Nature Refuge and in the environs of the Tobolsk Field Research Station. These collections are provided with most detailed descriptions of the floristic background, thus being highly valuable for ecological purposes. In addition, a small material taken Tyumen by an unknown collector, as well as the author's own large collections from various parts of the West Siberian Plain (Noyabrsk, Samotlor, Nefteyugansk, Luginetsky, Tomsk) have been incorporated. Detailed information concerning the localities and habitats is presented below. They cover most of the West Siberian Plain which, in turn, covers most of West Siberia, except for the Yamal and Gydan peninsulas.

Except for the territories lying south of the study region, all other adjacent regions appear to be fairly well prospected as regards the linyphiid spider faunas. Thus, the lists of the southern Yamal Peninsula in the North [Eshunin & Efimik, 1996], of the Urals in the West [Eshunin & Efimik, 1996], and of the middle flow part of Yenisey River in the East [Eskov, 1988; Rybalov et al., 2001] appear to be quite complete.

The West Siberian Plain lies completely within the boreal belt, or zone, to cover all of its three subzones, i.e. the northern, the middle, and the southern taiga. In contrast to the European Plain, however, because of intense relief formation due to a highly dense river network over the West Siberian Plain the typical zonal

landscapes on sufficiently well drained interfluvial areas fail to occupy large territories. Most of it is taken up by swamps, wet meadows, poorly drained, waterlogged coniferous or mixed woodlands, by other kinds of slumpy environments. Such formations overrun 2/3 the total area, the central part of the West Siberian Plain being termed a woody swampland zone. The forest vegetation is dominated there by pinewoods (25% of the forested areas) and secondary birch stands (23%). The humid dark taiga of *Pinus sibirica*, *Abies sibirica* and *Picea obovata* is only minor [Gvozdetzky, 1987]. Hardwood trees are nearly absent, except for residual *Tilia cordata* groves.

In general the central parts of the West Siberian Plain free from water or swamplands are represented by a patchwork of relatively small and diverse small-leaved and/or coniferous forests at various successional stages. Such a mosaic is maintained due to frequent fires and regular fellings.

In the "Distribution" sections below, the term West Siberian Plain is replaced by West Siberia, this being quite acceptable for the geographical reasons mentioned above. Dubious records are denoted with question marks, (?).

Description of the collecting localities

1. Tyumen Area, Yamalo-Nenets Autonomous Region, near Noyabrsk [1], 75°24'E, 63°09'N, August 2000, leg. Andrei V. Tanasevitch.

2. Tyumen Area, Khanty-Mansi Autonomous Region, Surgutskiy Nature Refuge [2], 73°18'E, 61°17'N, August 2000, leg. Alexander B. Ryvkin.

3. Tyumen Area, Khanty-Mansi Autonomous Region, Nizhnevartovskiy District, near Samotlor [3], 76°55'E, 61°05'N, August 1999, leg. Andrei V. Tanasevitch.

4. Tyumen Area, Khanty-Mansi Autonomous Region, Surgutskiy District, near Nefteyugansk [4], 72°35'E, 61°05'N, August 2001, leg. Andrei V. Tanasevitch.

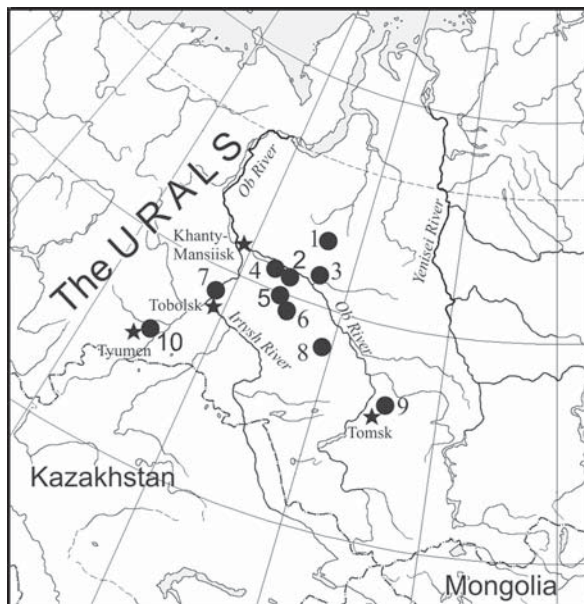
5. Tyumen Area, Khanty-Mansi Autonomous Region, Surgutskiy District, near Ugut [5], 74°02'E, 60°31'N, July–September 1998 & 2001–2002, leg. Alexander B. Ryvkin.

6. Tyumen Area, Khanty-Mansi Autonomous Region, Surgutskiy District, Yuganskiy Nature Reserve [6], 74°39'E, 59°45'N (center of the reserve), July–August 1998–2003, leg. Alexander B. Ryvkin.

7. Tyumen Area, Uvatskiy District, near Gornoslinkino, environs of Tobolsk Field Research Station [7] of the Severtsov Institute of Ecology and Evolution, Russian Academy of Sciences, 68°32'E, 58°44'N, September–October 2003, leg. Alexander B. Ryvkin.

8. Tomsk Area, ca. 60 km NW of Pudino, near Luginetskiy Camp [8], 78°52'E, 58°10'N, August 1998, leg. Andrei V. Tanasevitch.

9. Tomsk Area, near Tomsk [9], 85°11'E, 56°34'N, August 1998, leg. Andrei V. Tanasevitch.



Map 1. Collecting localities in West Siberia: 1 — Noyabrsk, 2 — Surgutskiy Nature Refuge, 3 — Samotlor, 4 — Nefteyugansk, 5 — Ugut, 6 — Yuganskiy Nature Reserve, 7 — Tobolsk Field Research Station, 8 — Luginetskiy, 9 — Tomsk, 10 — Tyumen. Asterisk marks mean cities.

Карта 1. Точки сборов в Западной Сибири: 1 — Ноябрьский, 2 — Сургутский заказник, 3 — Самотлор, 4 — Нефтеюганск, 5 — Угут, 6 — Юганский заповедник, 7 — Тобольская биологическая станция, 8 — Лугинетский, 9 — Томск, 10 — Тюмень. Звездочками отмечены крупные города.

10. Tyumen Area, Tyumen [10], 65°33'E, 57°08'N, VI.2000, collector unknown (U).

All the localities are mapped under their respective number (Map 1.).

All material is temporarily housed in the personal collection of A. Tanasevitch, but later it will be shared with the collection of the Zoological Museum of the Moscow State University, Moscow.

ABBREVIATIONS. The following abbreviations have been used in the text: A.R. — Alexander B. Ryvkin; A.T. — Andrei V. Tanasevitch, U — unknown collector; Prov. — Province.

Check-list of linyphiid spiders

Abacoproeces saltuum (L. Koch, 1872)

MATERIAL. 2 ♀♀, near S border of buffer area of Yuganskiy Reserve, Koimlor (Krimlor) Lake. Litter under *Picea obovata* and *Pinus sibirica* with *Lycopodium* sp., *Limnaea borealis*, ferns, Gramineae, *Trientalis europaea*, sparse *Ledum palustre* etc., in moist forest near lake shore, 02.IX.2001, leg. A.R.; 1 ♀, Tobolsk Field Research Station, flood-plain swamp near left bank of Irtysh River: *Carex* spp., *Comarum palustre*, *Salix* sp., *Climacium dendroides*, small true mosses, *Lemna* sp. etc., 09.VI.2004, leg. A.R.

DISTRIBUTION. Widespread in Europe, known from the Urals and eastern Kazakhstan; in Siberia this species has hitherto been known in the mountains of South Siberia: Altai Mts, Tuva and the Lake Baikal region. This is the first record in West Siberia.

Abiskoa abiskoensis (Holm, 1945)

1996 *Lepthyphantes abiscoensis* (sic!), Esyunin, Ekosistemy Srednego Priob'ya, 1, 1, p. 70.

MATERIAL. 3 ♂♂, 12 ♀♀, Luginetsky, *Abies* & *Picea* forest, logs, under bark, 22–28.VIII.1998, leg. A.T.

2 ♂♂, 3 ♀♀, Samotlor, *Pinus* forest, in moss and lichen, Aug. 1999, leg. A.T.; 1 ♂, 2 ♀♀, *Populus* forest, under *Ledum*, in moss, Aug. 1999, leg. A.T.

DISTRIBUTION. From Fennoscandia (whence it has been described), via the tundra and northern taiga to the Urals; in Siberia known from the Urals to Cisokhotia, Kamchatka and Sakhalin; through the mountains of South Siberia via the Lake Baikal region eastward to the southern part of Khabarovsk Prov.; recorded also in China.

Agyneta affinis (Kulczynski, 1898)

MATERIAL. 3 ♂♂, 2 ♀♀, Yuganskiy Reserve, Nyogus'yakh River Basin near Petchpan'yakh River mouth. Mosses and litter in swampy flood-plain forest, between *Betula*, *Abies sibirica*, *Picea obovata*, *Salix* sp., *Pinus sibirica* etc.: tussocks of *Carex* spp., *Filipendula ulmaria*, Gramineae, *Comarum palustre*, *Menyanthes trifoliata*, *Plagiomnium* sp., *Aulacomnium* sp., *Climacium dendroides* etc., 12.IX.2000, leg. A.R.

1 ♂, Tyumen, VI.2000, leg. U.

NOTE. This species is still often referred to as *Agyneta beata* (O. Pickard-Cambridge, 1906), although this name has long been synonymised with *A. affinis* [see Wunderlich, 1973].

DISTRIBUTION. Widespread in Europe, known in the Caucasus and the Urals; all Siberia from the Urals to northern Cisokhotia, the mountains of South Siberia, the Lake Baikal region, Sakhalin. Known also from China. This is the first record in West Siberia.

Agyneta allosubtilis Loksa, 1965

1996 *Agyneta subtilis*, Esyunin, Ekosistemy Srednego Priob'ya, 1, p. 69, not revised, material lost (Esyunin, pers. ñomm.).

MATERIAL. 3 ♂♂, Tyumen, VI.2000, leg. U.

DISTRIBUTION. This species is very closely related to *Agyneta subtilis* and replaces it all over Siberia from the Urals to Chukotka; Cisokhotia, Kamchatka; from eastern Kazakhstan via the mountains of South Siberia eastward to the Lake Baikal region. Known also from the southern part of Khabarovsk Prov.

Agyneta conigera (O. Pickard-Cambridge, 1863)

MATERIAL. 1 ♂, Tyumen, VI.2000, leg. U.

DISTRIBUTION. Europe, the Caucasus and eastern Kazakhstan. In Siberia ranging from the Urals eastward to East Siberia; in the mountains of South Siberia known from Altai Mts, Tuva and the Lake Baikal region; registered from Mongolia. This is the first record in West Siberia.

Agyneta decora (O. Pickard-Cambridge, 1870)

MATERIAL. 1 ♂, Tobolsk Field Research Station, in litter under *Pinus sibirica*, *Abies sibirica*, *Populus tremula*, with undergrowth of *Tilia cordata*, *Diplazium sibiricum*, *Equisetum sylvaticum*, *Maianthemum bifolium*, *Oxalis acetosella* etc., 10.VI.2004, leg. A.R.

DISTRIBUTION. Europe, in Siberia from the Urals eastward to Yenisey River. The record of *Agyneta decora* in Mongolia is a misidentification. This is the first record in West Siberia.

Agyneta levii Tanasevitch, 1984

MATERIAL. 1 ♂, Yuganskiy Reserve, Malyi Yugan River Basin, 3–5 km SW of cordon at Kol-Kotchen-Yagun River, near lake. Moss and litter at lake shore (on cape near hut): *Padus*, *Salix*, young *Populus tremula*, sedge and graminoid tussocks, *Comarum palustre*, *Equisetum* spp., *Aulacomnium* sp. et al., 11.IX.1999, leg. A.R.; 2 ♂♂, 1 ♀, Malyi Yugan River Basin, 3–5 km SW of cordon at Kol-Kotchen-Yagun River, near lake. Moss and litter under *Pinus sibirica*, *Picea*, *Betula*, *Pinus sylvestris* with *Vaccinium myrtillus*, *V. vitis-idaea*, *Lycopodium*, *Equisetum sylvaticum*, *Rosa* sp., *Pleurozium schreberi* on gentle slope, 20.IX.1999, leg. A.R.

1 ♂, Tyumen, VI.2000, leg. U.

DISTRIBUTION. Widespread all over Siberia, in the mountains of South Siberia known from Altai Mts, Tuva and Sayan.

Agyneta mossica (Schikora, 1993)

1996 *Agyneta mollis*, Esyunin, Ekosistemy Srednego Priob'ya, 1, p. 69, revised by Esyunin, pers. comm.

1996 *Agyneta saxatilis*, Esyunin, Ekosistemy Srednego Priob'ya, 1, p. 69, revised by Esyunin, pers. comm.

MATERIAL. 1 ♀, Yuganskiy Reserve, Nyogus'yakh River, cordon Bisarkina. Moss and litter on swamp amid flood plain forest near foot of slope: *Menyanthes trifoliata*, *Equisetum* spp., *Sphagnum squarrosum* (sparse), *Sph. ?centrale*, *Sph.* spp., *Nardosmia frigida*, *Carex* spp., Gramineae, *Salix* sp., *Comarum palustre*, *Filipendula ulmaria*, *?Tomenthypnum* sp., *Plagiomnium* sp. etc., 27.VII.1998, leg. A.R.; 1 ♀, near Vuya-Yany River mouth. Moss and litter at border of open swamp with *Carex* spp., *?Eriophorum* sp., *Comarum palustre*, *Equisetum* sp., *Sphagnum ?girsensobnii*, *Sph. squarrosum*, *Maianthemum bifolium*, sparse *Betula* etc., 15.VIII.1998, leg. A.R.; 2 ♂♂, Malyi Yugan River Basin, 3–5 km SW of cordon at Kol-Kotchen-Yagun River, near lake. Mosses and sparse spots of litter near shore of lake: *Sphagnum ?girsensobnii*, *Sph.* spp., *Comarum palustre*, Gramineae, *Carex ?globularis*, *Oxycoccus* sp., sparse young *Betula* and *Padus*, 23.IX.1999, leg. A.R.; 2 ♂♂, Malyi Yugan River Basin, 3–5 km SW of cordon at Kol-Kotchen-Yagun River, near lake. Mosses on swamp near N shore of lake: *Sphagnum* spp., *Carex* spp., *Eriophorum* sp., *Chamaedaphne calyculata*, *Andromeda polifolia*, *Oxycoccus* spp., *Vaccinium uliginosum* et al., 17.IX.1999, leg. A.R.; 1 ♂, Nyogus'yakh River Basin near Petchpan'yakh River mouth. Mosses and litter on large swamp: *Carex* spp., *Comarum palustre*, *Equisetum* sp., *Eriophorum* sp., Gramineae, *Rumex* sp., *?Aulacomnium* sp., *Plagiomnium* sp., *Ptilium crista-castrensis*, *Sphagnum* sp., *Chamaenerium angustifolium*, *Betula* and *Salix* sp. etc., 13.IX.2000, leg. A.R.; 1 ♂, Bolshoy Yugan River, 6–7 km below Sugmuten'yakh River mouth. Mosses and litter between sedges and Gramineae on swamped winter road with *Carex* spp., *Calamagrostis* sp., *Sphagnum girsensobnii*, *Sph.* spp. etc., and on the plot without *Sphagnum* spp., 21.VIII.2001, leg. A.R.; 1 ♀, near S border of buffer area of Yuganskiy Reserve, Kolylnor Lake. Lake shore: *Carex* spp., Gramineae, *Sphagnum* spp. etc., 29.VIII.2001, leg. A.R.; 4 ♂♂, near S border of buffer area of Yuganskiy Reserve, Kolylnor Lake. Mosses and litter under *Betula*, *Pinus sylvestris* and *Pinus sibirica* in swamped forest near W shore of lake and between *Carex* spp. with *Sphagnum girsensobnii* at the lake shore, 01.IX.2001, leg. A.R.; 1 ♂, Ay-Magromsy River Basin, Medvezhyi Ugol cordon, sweeping on *Carex rostrata*, C. spp., mosses and litter at swamp border: *Carex rostrata*, *Sphagnum girsensobnii*, *Sph.* spp. etc., among sparse young birches, (+7C°), 15.IX.2002, leg. A.R.; 1 ♂, Malyi Yugan

River, cordon below Lyarykni River mouth, open swamp with tussocks of *Carex* spp. and *Calamagrostis* sp. with *Comarum palustre*, *Salix* sp., *Sphagnum squarrosum*, *Sph.* spp., ?*Aulacomnium* sp. etc., between sparse young *Betula*, 17.VIII.2003, leg. A.R.

NOTE. All records of *A. saxatilis* in the Urals and Siberia are indeed *A. mossica*.

DISTRIBUTION. Known in Europe. In the Caucasus [Tanasevitch, 1987, 1990] and the Urals [Esyunin & Efimik, 1996] recorded as *A. saxatilis* (material revised); east of the Urals up to Yenisey River.

Agyseta ramosa Jackson, 1912

MATERIAL. 2 ♂♂, 4 ♀♀, Tobolsk Field Research Station, in litter under *Pinus sibirica*, *Tilia cordata*, *Betula*, *Populus tremula*, *Picea obovata*, *Abies sibirica* with *Carex globularis*, *Stellaria* sp., *Maianthemum bifolium*, *Lathyrus* sp., *Equisetum sylvaticum*, *Pyrola* sp. etc., on slope, 06.VI.2004, leg. A.R.

DISTRIBUTION. Europe, the Caucasus, the Urals and West Siberia. This is the first record in West Siberia.

Agyseta rurestris (C.L. Koch, 1836)

1996 *Agyseta rurestris*, Esyunin, Ekosistemy Srednego Priob'ya, 1, p. 69, not revised, material lost (Esyuni, pers. ñomm.).

MATERIAL. 1 ♂, Tyumen, VI.2000, leg. U.

DISTRIBUTION. Europe, the Caucasus, Urals, West Siberia. The record of *Agyseta rurestris* in Turkmenistan [Tanasevitch & Fet, 1986] actually belongs to *A. mesasiatica* (material revised). All the other records of *Agyseta rurestris* in Asia, i.e. Mongolia, China and Korea, are misidentifications.

Allomengea scopigera (Grube, 1859)

1996 *Allomengea scopigera*, Esyunin, Ekosistemy Srednego Priob'ya, 1, p. 69.

MATERIAL. 1 ♀, Yuganskiy Reserve, near Vuya-Yany River mouth. Moss and litter at hummocks at bank of old channel with *Carex* spp., *Comarum palustre*, *Filipendula ulmaria*, Gramineae, *Plagiomnium* sp. etc., 12.VIII.1998, leg. A.R.; 1 ♂, 4 ♀♀, Nyogus'yakh River, cordon Bisarkina. Mosses and litter in flood-plane forest and at natural levee with *Abies*, *Picea*, *Pinus sibirica*, *Betula*, *Oxalis*, *Equisetum sylvaticum*, *Eq. pratense*, *Maianthemum*, *Trientalis*, *Linnaea*, *Hylocomium splendens*, *Pleurozium schreberi*, *Sphagnum* sp. (*girgensobnii* or *russowii*) etc., 24.VII.1998, leg. A.R.; 30 ♂♂ & ♀♀, Nyogus'yakh River, cordon Bisarkina. Tussocks with *Carex* spp., Gramineae, *Filipendula ulmaria*, *Plagiomnium* sp., *Tomenthypnum* sp. etc., at flood-plain lake shore, 30.VII.1998, leg. A.R.; 3 ♀♀, Malyi Yugan River Basin, 3–5 km SW of cordon at Kol-Kotchen-Yagun River, near lake. Moss and litter at lake shore: sedge tussocks, Gramineae, *Comarum palustre*, *Spiraea* sp. et al., 30.VIII.1999, leg. A.R.; 20 ♂♂ & ♀♀, Vuya-Yany River near Ay-Vuya-Yany River mouth. Clay river banks near mouth of small left confluent (500 ♂♂ lower of field research station): *Carex* spp., Gramineae, *Mentha* sp., ?*Trollius* sp. etc., 25.VIII.2000, leg. A.R.; 3 ♂♂, 1 ♀, Nyogus'yakh River near Kogontchina-2 field research station. River banks near rill mouths: *Carex* sp., Gramineae, *Filipendula ulmaria*, *Salix* sp., *Padus* etc., 03.IX.2000, leg. A.R.; 1 ♀, Nyogus'yakh River near Kogontchina-2 field research station. Clayish river bank: *Carex* spp., *Equisetum* sp., Gramineae, *Mentha* sp. etc., (shaking off sedges and Gramineae), 07.IX.2000, leg. A.R.; 3 ♂♂, 2 ♀♀, Bolshoy Yugan River, 6–7 km below Sugmuten'yakh River mouth. Bank of old channel: tussocks with *Carex* spp., Gramineae, small admixture of *Filipendula ulmaria* between sparse *Salix* sp. and *Betula*, 17.VIII.2001,

leg. A.R.; 20 ♂♂ & ♀♀, Kol-Kotchen-Yagun River Basin (confluent of Malyi Yugan River), lake near cordon. Swampy birch-willow sparse forest by SE shore of lake: tussocks of *Carex* spp. with a touch of *Calamagrostis* sp., *Comarum palustre*, *Sphagnum squarrosum*, *Sph. centrale*, *Sph.* spp. etc., as well as mosses and litter between those, 20.IX.2001, leg. A.R.; 1 ♀, Yuganskiy Reserve (buffer zone), flood-plain of a rill (confluent of Malyi Yugan River) near Achimovy-2 village: tussocks of *Carex* spp. and Poaceae, depressions with *Carex rostrata*, *Filipendula ulmaria*, *Comarum palustre*, *Urtica dioica*, *Sphagnum centrale*, *Climacium dendroides*, *Plagiomnium* sp., *Rubus saxatilis*, *Salix* sp., sparse *Betula* and *Picea*, 24.VIII.2003, leg. A.R.

15 ♂♂, 18 ♀♀, Tomsk, *Abies* forest, in moss and litter, 15–16.VIII.1998, leg. A.T.

DISTRIBUTION. Northern Europe, the Caucasus, eastern Kazakhstan, the mountains of Middle Asia; all over Siberia from the Urals eastward up to Kamchatka and the Kurile Islands; through the mountains of South Siberia via the Lake Baikal region eastward to Khabarovsk Prov.; known also from Mongolia. In the Nearctic, it occurs from Alaska to Manitoba.

Allomengea vidua (L. Koch, 1879)

1992 *Allomengea warburtoni*, Esyunin & Novokshnov, Trudy Zool. Inst. AN SSSR. Vol. 226, p. 116.

1996 *Allomengea vidua*, Esyunin, Ekosistemy Srednego Priob'ya, 1, p. 69.

MATERIAL. 1 ♂, 1 ♀, Yuganskiy Reserve, near Vuya-Yany River mouth. Moss and litter at hummocks at bank of old channel with *Carex* spp., *Comarum palustre*, *Filipendula ulmaria*, Gramineae, *Plagiomnium* sp. etc., 12.VIII.1998, leg. A.R.; 1 ♂, Bolshoy Yugan River, near cordon Kamennyi. Shore of small flood-plain lake: *Carex* spp., Gramineae, *Comarum palustre*, *Filipendula ulmaria*, *Salix* sp., *Ribes* sp., *Rosa* sp. etc., 19.VIII.1999, leg. A.R.; 2 ♂♂, 4 ♀♀, Malyi Yugan River Basin, 3–5 km SW of cordon at Kol-Kotchen-Yagun River, near lake. Moss and litter at lake shore (on cape near hut): *Padus*, *Salix*, young *Populus tremula*, sedge and graminoid tussocks, *Comarum palustre*, *Equisetum* spp., ?*Aulacomnium* sp. et al., 11.IX.1999, leg. A.R.; 1 ♂, 2 ♀♀, Malyi Yugan River Basin, Kol-Kotchen-Yagun River, 3–4 km S of cordon. Moss and litter at river bank: *Padus*, *Salix* sp., *Spiraea* spp., *Filipendula ulmaria*, *Ribes nigrum*, *Gallium* sp., *Carex* spp., Gramineae, *Equisetum* spp., ?*Aulacomnium* sp., *Plagiomnium* sp., *Climacium dendroides* et al., 13.IX.1999, leg. A.R.; 1 ♀, Malyi Yugan River Basin, Kol-Kotchen-Yagun River, 1 km S of cordon. Mosses and litter on small sedge-mossy swamp near river bank: *Carex* spp., *Sphagnum girgensobnii*, *Sph. riparium*, *Plagiomnium* sp. et al., 24.IX.1999, leg. A.R.; 5 ♀♀, Nyogus'yakh River near Kogontchina-2 field research station. Swampy bank of old river channel: *Carex* hummocks, Gramineae, *Filipendula ulmaria*, *Comarum palustre*, *Padus*, *Rosa* sp., *Salix* sp., true mosses etc., 01.IX.2000, leg. A.R.; 2 ♀♀, Nyogus'yakh River Basin near Petchpan'yakh River mouth, N shore of great lake. Mosses, litter, shaking off from grass: *Carex* spp., Gramineae, *Comarum palustre*, *Salix* sp., ?*Aulacomnium* sp., *Plagiomnium* sp. etc., 08.IX.2000, leg. A.R.; 1 ♀, Nyogus'yakh River Basin near Petchpan'yakh River mouth. Mosses and litter on large swamp: *Carex* spp., *Comarum palustre*, *Equisetum* sp., *Eriophorum* sp., Gramineae, *Rumex* sp., ?*Aulacomnium* sp., *Plagiomnium* sp., *Ptilium crista-castrensis*, *Sphagnum* sp., *Chamaenerium angustifolium*, *Betula* and *Salix* sp. etc., 13.IX.2000, leg. A.R.; 20 ♂♂ & ♀♀, Nyogus'yakh River near Kogontchina-2 field research station. River bank: *Carex* sp. and Gramineae. 30.VIII.2000, leg. A.R.; 2 ♀♀, Bolshoy Yugan River, 6–7 km below Sugmuten'yakh River mouth. Bank of old channel: tussocks with *Carex* spp., Gramineae, small admixture of *Filipendula ulmaria* between sparse *Salix* sp. and *Betula*, 17.VIII.2001, leg. A.R.; 3 ♀♀, Bolshoy Yugan River, 6–7 km below Sugmuten'yakh River mouth. Mosses and litter between sedges and Gramineae on swamped winter road with *Carex* spp., *Calamagrostis* sp., *Sphagnum girgensobnii*, *Sph.* spp. etc., 20.VIII.2001,

leg. A.R.; 2 ♂♂, Bolshoy Yugan River, 6–7 km below Sugmuten'yakh River mouth. Mosses and litter between sedges and Gramineae on swamped winter road with *Carex* spp., *Calamagrostis* sp., *Sphagnum girgensohnii*, *Sph.* spp. etc., and on the plot without *Sphagnum* spp., 21.VIII.2001, leg. A.R.; 1 ♀, Kol-Kotchen-Yagun River (confluent of Malyi Yugan River) NE of cordon. River bank with *Carex* spp., Gramineae, *Filipendula ulmaria*, *Urtica dioica*, *Spiraea* sp. etc., 23.IX.2001, leg. A.R.; 2 ♂♂, 1 ♀, Malyi Yugan River, cordon below Lyarykni River mouth, open swamp with tussocks of *Carex* spp. and *Calamagrostis* sp. with *Comarum palustre*, *Salix* sp., *Sphagnum squarrosum*, *Sph.* spp., ?*Aulacomnium* sp. etc., between sparse young *Betula*, 17.VIII.2003, leg. A.R.; 1 ♂, Malyi Yugan River, cordon below Lyarykni River mouth, open swamp with tussocks of *Carex* spp. and *Calamagrostis* sp. with *Comarum palustre*, *Salix* sp., *Sphagnum squarrosum*, *Sph.* spp., ?*Aulacomnium* sp. etc., between sparse young *Betula*, 22.VIII.2003, leg. A.R.

5 ♂♂, 7 ♀♀, Surgutskiy Refuge, Ob' River Basin, right bank of Materikovyi Pasi Channel. Lake shore: *Carex* spp., *Comarum palustre*, Lamiaceae, Climacium, *Plagiomnium* sp. etc., 10.VIII.2000, leg. A.R.

5 ♂♂, 14 ♀♀, Noyabrskiy, *Salix* bushes along brook, litter, 15.VIII.2000, leg. A.T.

1 ♀, Tobolsk Field Research Station, flood-plain swamps of left bank of Irtysh River with *Salix* sp., *Betula*, *Carex* spp., *Comarum palustre*, *Climacium dendroides*, *Aulacomnium palustre*, *Sphagnum girgensohnii*, *Sph.* ?*russowii*, *Sph. centrale*, *Sph. squarrosum* etc., 27.IX.2003, leg. A.R.

DISTRIBUTION. Widespread in Europe, in Siberia known from the Urals eastward to Yenisey River, recorded in Mongolia. In the Nearctic, from Alberta to Quebec.

Anguliphantes angulipalpis (Westring, 1851)

MATERIAL. 2 ♀♀, Tobolsk Field Research Station, mosses and litter under *Pinus sylvestris*, *P. sibirica*, *Picea*, young *Abies* with *Ledum palustre*, *Vaccinium vitis-idaea*, *V. myrtillus*, Poaceae, *Carex globularis*, *Linnaea borealis*, *Pleurozium schreberi*, *Hylocomium splendens*, *Dicranum polysetum* etc., on upper part of slope, 02.X.2003, leg. A.R.; 1 ♂, 1 ♀, in litter under *Pinus sibirica*, *Picea*, *Betula*, *Abies*, *Tilia*, *Populus tremula* with *Lonicera* sp., *Carex globularis*, *Oxalis acetosella*, *Pyrola* sp., *Delphinium* sp., *Lathyrus* sp., *Equisetum sylvaticum* etc., on slope, 20.IX.2003, leg. A.R.; 1 ♀, in litter under *Pinus sibirica*, *Tilia cordata*, *Betula*, *Populus tremula*, *Picea obovata*, *Abies sibirica* with *Carex globularis*, *Stellaria* sp., *Maianthemum bifolium*, *Lathyrus* sp., *Equisetum sylvaticum*, *Pyrola* sp. etc., on slope, 06.VI.2004, leg. A.R.; 1 ♂, mosses and litter under *Betula*, *Pinus sibirica*, *Abies*, *Tilia cordata* with *Carex globularis*, *Oxalis acetosella*, *Stellaria* sp., *Linnaea borealis*, *Delphinium* sp., *Maianthemum bifolium*, *Pyrola* sp., *Rubus saxatilis*, sparse *Pleurozium schreberi* etc., on gentle slope near Varpak River, 05.VI.2004, leg. A.R.

DISTRIBUTION. Widespread in Europe, known in the Urals and eastern Kazakhstan. This is the first record in Siberia.

Anguliphantes dybowskii (O. Pickard-Cambridge, 1873)

1996 *Lepthyphantes dybowskii*, Esyunin, Ekosistemy Srednego Priob'ya, 1, p. 70.

MATERIAL. 2 ♀♀, near S border of buffer area of Yuganskiy Reserve, rill between Kolylnor Lake and Koimlor (Krimlor) Lake. Mosses and litter under *Pinus sibirica* in forest at the rill bank: *Lycopodium* sp., ferns, *Linnaea borealis*, *Vaccinium vitis-idaea*, *Orthilia secunda*, *Pleurozium schreberi*, *Hylocomium splendens*, *Dicranum* sp., *Polytrichum* sp., *Calamagrostis* sp., sparse *Ledum palustre* etc., 04.IX.2001, leg. A.R.; 1 ♂, Kol-Kotchen-Yagun River Basin (confluent of Malyi Yugan River), lake near cordon. Overgrown mesotrophic swamp: mosses and

litter under *Pinus sylvestris*, *P. sibirica*, *Betula* with *Ledum palustre*, *Vaccinium vitis-idaea*, *V. myrtillus*, *Carex globularis*, *Hylocomium splendens*, *Pleurozium schreberi*, *Polytrichum commune*, *P. strictum*, *Dicranum* sp., *Linnaea borealis* etc., 19.IX.2001, leg. A.R.

3 ♂♂, Luginetsky, *Picea*, *Abies* & *Betula* forest, in moss, 26.VIII.1998, leg. A.T.

4 ♂♂, 2 ♀♀, Nefteyugansk, mixed forests: *Abies*, *Pinus sibirica*, *Picea*, *Betula* with *Equisetum*, *Vaccinium* spp., *Empetrum*, mosses, VIII.2001, leg. A.T.

DISTRIBUTION. Widespread all over Siberia from the Urals eastward to East Siberia (except Chukotka), known in Kamchatka, the Kurile Islands, Sakhalin; through the mountains of South Siberia via the Lake Baikal region eastward to Khabarovsk Prov., known also from Mongolia.

Anguliphantes sibiricus (Tanasevitch, 1986)

MATERIAL. 1 ♀, Tomsk, *Abies* forest, in moss and litter, 15–16.VIII.1998, leg. A.T.

DISTRIBUTION. This species has hitherto been known from the middle flow region of Yenisey River and from the mountains of South Siberia: Altai, Tuva and Western Sayan. This is the first record in West Siberia.

Aphileta misera (O. Pickard-Cambridge, 1882)

MATERIAL. 1 ♂, Yuganskiy Reserve, Bolshoy Yugan River, 6–7 km below Sugmuten'yakh River mouth. Mosses and litter between sedges and Gramineae on swamped winter road with *Carex* spp., *Calamagrostis* sp., *Sphagnum girgensohnii*, *Sph.* spp. etc., 20.VIII.2001, leg. A.R.; 1 ♂, 1 ♀, Bolshoy Yugan River, 6–7 km below Sugmuten'yakh River mouth. Mosses and litter between sedges and Gramineae on swamped winter road with *Carex* spp., *Calamagrostis* sp., *Sphagnum girgensohnii*, *Sph.* spp. etc., and on the plot without *Sphagnum* spp., 21.VIII.2001, leg. A.R.; 1 ♂, near S border of buffer area of Yuganskiy Reserve, Kolylnor Lake. Lake shore: *Carex* spp., Gramineae, *Sphagnum* spp. etc., 29.VIII.2001, leg. A.R.; 1 ♂, Ay-Magromsy River Basin, Medvezhyi Ugol cordon, mosses and litter at swamp border: *Carex rostrata*, *Sphagnum girgensohnii*, *Sph.* spp. etc., among sparse young birches, 11.IX.2002, leg. A.R.; 2 ♂♂, Ay-Magromsy River Basin, Medvezhyi Ugol cordon, sweeping on *Carex rostrata*, C. spp., Gramineae, *Eriophorum* sp. etc., mosses and litter at border of sedge-mossy swamp (including rill source): *Carex rostrata*, C. spp., *Sphagnum girgensohnii*, *Sph.* spp., *Equisetum* spp., *Oxycoccus* spp., *Chamaedaphne calyculata*, *Comarum palustre*, *Calamagrostis* sp., *Menyanthes trifoliata* etc., among sparse young birches, 19.IX.2002, leg. A.R.; 1 ♂, Ay-Magromsy River Basin, Medvezhyi Ugol cordon, mosses and litter near rill: *Plagiomnium* sp., *Sphagnum squarrosum*, *Sph. centrale*, *Sph. girgensohnii*, *Sph. warnstorffii*, *Calamagrostis* sp., *Carex* sp. among sparse *Salix* sp. and birches, (+6 C?), 27.IX.2002, leg. A.R.; 1 ♂, Ay-Magromsy River Basin, Medvezhyi Ugol cordon, mosses and litter near rill: *Plagiomnium* sp., *Sphagnum squarrosum*, *Sph. centrale*, *Sph. girgensohnii*, *Sph. warnstorffii*, *Calamagrostis* sp., *Carex* sp. among sparse *Salix* sp. and birches, (+3 C?), 28.IX.2002, leg. A.R.; 3 ♂♂, Malyi Yugan River, cordon below Lyarykni River mouth, open swamp with tussocks of *Carex* spp. and *Calamagrostis* sp. with *Comarum palustre*, *Salix* sp., *Sphagnum squarrosum*, *Sph.* spp., ?*Aulacomnium* sp. etc., between sparse young *Betula*, 17.VIII.2003, leg. A.R.

DISTRIBUTION. Pan-Holarctic, but in Russia this species has only been recorded in the Urals, Middle Siberia and Cisokhotia. This is the first record in West Siberia.

Araeoncus crassiceps (Westring, 1861)

MATERIAL. 3 ♂♂, near S border of buffer area of Yuganskiy Reserve, Koimlor (Krimlor) Lake. Mosses and litter

in tussocks between sparse *Betula* and *Salix* sp. near lake shore: *Carex* spp., Gramineae, *Sphagnum squarrosum*, *Sph. centrale*, *Sph. girgensobnii*, *Comarum palustre*, sparse *Equisetum* sp., 02.IX.2001, leg. A.R.; 2 ♂♂, Kol-Kotchen-Yagun River Basin (confluent of Malyi Yugan River), lake near cordon. Tussocks with *Carex* spp., *Calamagrostis* sp., *Comarum palustre* between sparse *Betula* and *Pinus sylvestris* at NW shore of lake: *Sphagnum centrale*, *Sph. girgensobnii*, *Sph. ?aongstroemii*, *Sph.* spp., *Climacium dendroides*, *Plagiomnium* sp., *Salix* sp., *Spiraea* sp. etc., 17.IX.2001, leg. A.R.; 1 ♂, 1 ♀, Malyi Yugan River, cordon below Lyarykni River mouth, open swamp with tussocks of *Carex* spp. and *Calamagrostis* sp. with *Comarum palustre*, *Salix* sp., *Sphagnum squarrosum*, *Sph.* spp., *?Aulacomnium* sp. etc., between sparse young *Betula*, 17.VIII.2003, leg. A.R.

2 ♀♀, Tobolsk Field Research Station, mosses and litter among *Carex* spp. and *Poaceae* with *Plagiomnium* sp. etc., on swampy forest road, 24.IX.2003, leg. A.R.

DISTRIBUTION. Widespread in Europe, known in Northern Africa, the Urals, West and Middle Siberia. The record of this species in Tuva is a misidentification and actually refers to an undescribed species. This is the first record in West Siberia.

Araeoncus vorkutensis Tanasevitch, 1984

MATERIAL. 20 ♂♂ & ♀♀, Yuganskiy Reserve, Vuya-Yany River near Ay-Vuya-Yany River mouth. Flood-plain depression: *Filipendula ulmaria*, *Carex* sp., Gramineae, *Spiraea* sp., *Ribes nigrum*, *Comarum palustre*, *Sphagnum squarrosum*, *Sph. girgensobnii*, *Climacium dendroides*, *Aulacomnium* sp., *Plagiomnium* sp. etc., 24.VIII.2000, leg. A.R.; 25 ♂♂ & ♀♀, Ay-Magromsy River Basin, Medvezhyi Ugol cordon, mosses and litter at rill bank and on flood-plain of rill: *Calamagrostis* sp., *Ribes* spp., *Rosa* sp., *Filipendula ulmaria*, *Matteuccia struthiopteris*, *Equisetum sylvaticum*, *Sphagnum squarrosum*, *Sph. girgensobnii*, *Sph.* spp., *Plagiomnium* sp. etc., 20.IX.2002, leg. A.R.; 1 ♀, Malyi Yugan River, near cordon below Maalyakh River mouth, mosses and litter in forest with *Pinus sibirica*, *P. sylvestris*, *Picea*, *Betula*, *Populus tremula*, *Abies*, *Equisetum sylvaticum*, *Linnaea borealis*, *Vaccinium vitis-idaea*, *V. myrtillus*, *Carex globularis*, *Pleurozium schreberi*, *Hylocomium splendens*, *Polytrichum commune*, sparse spots of *Sphagnum girgensobnii* and *Ledum palustre*, 20.VIII.2003, leg. A.R.

Ca. 50 ♂♂ & ♀♀, Tomsk, *Abies* forest, moss and litter, 15–16.VIII.1998, leg. A.T.

DISTRIBUTION. Widespread all over Siberia, including the mountains of South Siberia: Altai Mts, Tuva and Sayan. This is the first record in West Siberia.

Bathylinyphia major (Kulczynski, 1885)

MATERIAL. 2 ♂♂, 3 ♀♀, Yuganskiy Reserve, Malyi Yugan River, near cordon below Maalyakh River mouth, mosses and litter on swamp with *Sphagnum magellanicum*, *Sph. ?balticum*, *Sph. fuscum*, *Sph.* spp., *Carex* sp., *Eriophorum* sp., *Chamaedaphne calyculata*, *Ledum palustre*, *Andromeda polifolia*, *Oxycoccus* sp., sparse *Pinus sylvestris* etc., and in sweeping, 20.VIII.2003, leg. A.R.

DISTRIBUTION. This species has hitherto been known from East Siberia, Cisokhotia, Kamchatka, through the mountains of South Siberia via the Lake Baikal region eastward to Khabarovsk and Maritime provinces. Known also from China, Japan and Korea. This is the first record in West Siberia.

Bathyphantès approximatus (O. Pickard-Cambridge, 1871)

MATERIAL. 1 ♀, near Ugut, Ugutka River Basin. Mosses and litter at forest with *Pinus sylvestris*, *Betula*, *Ledum palustre*, *Vaccinium myrtillus*, *V. vitis-idea*, *Dicranum* sp., *Pleurozium schreberi*, *Hylocomium splendens*, underwood of *Pinus sibirica* etc., 11.VII.1998, leg. A.R.

1 ♀, Yuganskiy Reserve, Nyogus'yakh River, cordon Bisarkina. Moss and litter at swamp amid flood-plain forest near foot of slope: *Menyanthes trifoliata*, *Equisetum* sp., *Sphagnum* spp., *Comarum palustre*, *Filipendula ulmaria*, *?Tomenthypnum* sp., *Plagiomnium* sp. etc., with sparse *Betula*, *Picea*, *Abies*, *Pinus sibirica*, 25.VII.1998, leg. A.R.; 1 ♀, near Vuya-Yany River mouth. Moss and litter at hummocks at bank of old channel with *Carex* spp., *Comarum palustre*, *Filipendula ulmaria*, Gramineae, *Plagiomnium* sp. etc., 12.VIII.1998, leg. A.R.; 2 ♂♂, 1 ♀, Nyogus'yakh River, cordon Bisarkina. Tussocks with *Carex* spp., Gramineae, *Filipendula ulmaria*, *Plagiomnium* sp., *Tomenthypnum* sp. etc., at flood-plain lake shore, 30.X.1998, leg. A.R.; 1 ♂, Vuya-Yany River near Ay-Vuya-Yany River mouth. Clay river banks near mouth of small left confluent (500 m lower of field research station): *Carex* spp., Gramineae, *Mentha* sp., *?Trollius* sp. etc., 25.VIII.2000, leg. A.R.; 2 ♀♀, Nyogus'yakh River near Kogontchina-2 field research station. River banks near rill mouths: *Carex* sp., Gramineae, *Filipendula ulmaria*, *Salix* sp., *Padus* etc., 03.IX.2000, leg. A.R.; 1 ♂, Nyogus'yakh River Basin near Petchpan'yakh River mouth. Mosses and litter on large swamp: *Carex* spp., *Comarum palustre*, *Equisetum* sp., *Eriophorum* sp., Gramineae, *Rumex* sp., *?Aulacomnium* sp., *Plagiomnium* sp., *Ptilium crista-castrensis*, *Sphagnum* sp., *Chamaenerium angustifolium*, sparse *Betula* & *Salix* sp., spots of dwarf birch on hummocks etc., 11.IX.2000, leg. A.R.; 1 ♂, 3 ♀♀, Nyogus'yakh River Basin near Petchpan'yakh River mouth. Mosses and litter on large swamp: *Carex* spp., *Comarum palustre*, *Equisetum* sp., *Eriophorum* sp., Gramineae, *Rumex* sp., *?Aulacomnium* sp., *Plagiomnium* sp., *Ptilium crista-castrensis*, *Sphagnum* sp., *Chamaenerium angustifolium*, *Betula* and *Salix* sp. etc., 13.IX.2000, leg. A.R.; 1 ♀, near S border of buffer area of Yuganskiy Reserve, Kolynlor Lake. Lake shore: *Carex* spp., Gramineae, *Sphagnum* spp. etc., 29.VIII.2001, leg. A.R.; 2 ♂♂, 1 ♀, near S border of buffer area of Yuganskiy Reserve, Kolynlor Lake. Mosses and litter under *Betula*, *Pinus sylvestris* and *Pinus sibirica* in swamped forest near W shore of lake and between *Carex* spp. with *Sphagnum girgensobnii* at the lake shore, 01.IX.2001, leg. A.R.; 1 ♀, near S border of buffer area of Yuganskiy Reserve, Kolynlor Lake. Mosses and litter by lake shore: *Carex* spp., Gramineae, *Sphagnum girgensobnii*, *Sph. squarrosum*, *Sph.* spp. sparse *Betula*, *Salix* sp. etc., 04.IX.2001, leg. A.R.; 1 ♀, near S border of buffer area of Yuganskiy Reserve, Kolynlor Lake. Mosses and litter by lake shore: *Carex* spp., Gramineae, *Sphagnum girgensobnii*, *Sph. squarrosum*, *Sph.* spp. sparse *Betula*, *Salix* sp. etc., 05.IX.2001, leg. A.R.; 3 ♀♀, Kol-Kotchen-Yagun River (confluent of Malyi Yugan River) E of cordon. Loamy river bank with *Carex* spp., Gramineae, *Equisetum* spp., small *Rosa* sp. & *Salix* sp. etc., 16.IX.2001, leg. A.R.; 4 ♂♂, Malyi Yugan River, cordon below Lyarykni River mouth, open swamp with tussocks of *Carex* spp. and *Calamagrostis* sp. with *Comarum palustre*, *Salix* sp., *Sphagnum squarrosum*, *Sph.* spp., *?Aulacomnium* sp. etc., between sparse young *Betula*, 17.VIII.2003, leg. A.R.; 1 ♂, Malyi Yugan River, cordon below Lyarykni River mouth, dried open sedge swamp: *Carex* spp. and *Calamagrostis* sp. (channel of temporary stream), 17.VIII.2003, leg. A.R.

1 ♀, Tobolsk Field Research Station, mosses and litter and in sweeping on small swamp with *Carex* spp., *Poaceae*, *Sphagnum girgensobnii*, *Sph. squarrosum*, *Sph. ?riparium*, *Sph. ?balticum*, *Sph. centrale* etc., 20.IX.2003, leg. A.R.; 1 ♂, 3 ♀♀, mosses and litter and in sweeping on small swamp with *Carex* spp., *Poaceae*, *Sphagnum girgensobnii*, *Sph. squarrosum*, *Sph. ?riparium*, *Sph. ?balticum*, *Sph. centrale* etc., 21.IX.2003, leg. A.R.; 3 ♂♂, mosses and litter among sparse *Salix* spp., *Betula*, *Pinus sylvestris* with tussocks of *Carex* spp., *Poaceae*, *Lythrum* sp., *Filipendula ulmaria*, *Climacium dendroides*, isolated spots of *Sphagnum squarrosum*, *Sph.* sp. etc., on swamped flood-plain of left bank of Irtysh River, 29.IX.2003, leg. A.R.

1 ♂, Samotlor, bank of Vakh River, *Salix* bushes, litter, Aug. 1999, leg. A.T.

DISTRIBUTION. Widespread in Europe, known from the Urals, while in Siberia this species has hitherto been reported only from the middle flow region of Yenisey River. This is the first record in West Siberia.

Bathyphantes gracilis (Blackwall, 1841)

MATERIAL. 1 ♂, 2 ♀♀, Yuganskiy Reserve, Nyogus'yakh River, cordon Bisarkina. Tussocks with *Carex* spp., Gramineae, *Filipendula ulmaria*, *Plagiomnium* sp., *Tomenthypnum* sp. etc., at flood-plain lake shore, 30.VII.1998, leg. A.R.; 1 ♀, Nyogus'yakh River near Kogontchina-2 field research station. Swampy bank of old river channel: *Carex* hummocks, Gramineae, *Filipendula ulmaria*, *Comarum palustre*, *Padus*, *Rosa* sp., *Salix* sp., true mosses etc., 01.IX.2000, leg. A.R.; 1 ♀, Nyogus'yakh River near Kogontchina-2 field research station. River banks near rill mouths: *Carex* sp., Gramineae, *Filipendula ulmaria*, *Salix* sp., *Padus* etc., 03.IX.2000, leg. A.R.; 3 ♀♀, Nyogus'yakh River Basin near Petchpan'yakh River mouth. Mosses and litter on large swamp: *Carex* spp., *Comarum palustre*, *Equisetum* sp., *Eriophorum* sp., Gramineae, *Rumex* sp., *Aulacomnium* sp., *Plagiomnium* sp., *Ptilium crista-castrensis*, *Sphagnum* sp., *Chamaenerium angustifolium*, sparse *Betula* & *Salix* sp., spots of dwarf birch on hummocks etc., 11.IX.2000, leg. A.R.; 1 ♀, Nyogus'yakh River Basin near Petchpan'yakh River mouth. Mosses and litter on large swamp: *Carex* spp., *Comarum palustre*, *Equisetum* sp., *Eriophorum* sp., Gramineae, *Rumex* sp., *Aulacomnium* sp., *Plagiomnium* sp., *Ptilium crista-castrensis*, *Sphagnum* sp., *Chamaenerium angustifolium*, *Betula* and *Salix* sp. etc., 13.IX.2000, leg. A.R.; 1 ♀, Vuya-Yany River near Ay-Vuya-Yany River mouth. Flood-plain lake shore: young *Betula* and *Populus tremula*, *Carex* spp., *Filipendula ulmaria*, Gramineae, *Sphagnum girgensohnii*, *Aulacomnium* sp., *Climacium dendroides*, *Comarum palustre*, 23.VIII.2000, leg. A.R.; 2 ♀♀, Nyogus'yakh River Basin near Petchpan'yakh River mouth. Mosses and litter in swampy flood-plain forest, between *Betula*, *Abies sibirica*, *Picea obovata*, *Salix* sp., *Pinus sibirica* etc.: tussocks of *Carex* spp., *Filipendula ulmaria*, Gramineae, *Comarum palustre*, *Menyanthes trifoliata*, *Plagiomnium* sp., *Aulacomnium* sp., *Climacium dendroides* etc., 12.IX.2000, leg. A.R.; 1 ♀, Bolshoy Yugan River, 6–7 km below Sugmuten'yakh River mouth. Bank of old channel: tussocks with *Carex* spp., Gramineae, small admixture of *Filipendula ulmaria* between sparse *Salix* sp. and *Betula*, 17.VIII.2001, leg. A.R.; 2 ♀♀, near S border of buffer area of Yuganskiy Reserve, Kolylnor Lake. Mosses and litter by lake shore: *Carex* spp., Gramineae, *Sphagnum girgensohnii*, *Sph. squarrosum*, *Sph.* spp. sparse *Betula*, *Salix* sp. etc., 05.IX.2001, leg. A.R.; 1 ♂, Kol-Kotchen-Yagan River Basin (confluent of Malyy Yugan River), lake near cordon. Tussocks with *Carex* spp., *Calamagrostis* sp., *Comarum palustre* between sparse *Betula* and *Pinus sylvestris* at NW shore of lake: *Sphagnum centrale*, *Sph. girgensohnii*, *Sph. ?aongstroemii*, *Sph.* spp., *Climacium dendroides*, *Plagiomnium* sp., *Salix* sp., *Spiraea* sp. etc., 17.IX.2001, leg. A.R.; 4 ♀♀, Kol-Kotchen-Yagan River Basin (confluent of Malyy Yugan River), lake near cordon. Swampy birch-willow sparse forest by SE shore of lake: tussocks of *Carex* spp. with a touch of *Calamagrostis* sp., *Comarum palustre*, *Sphagnum squarrosum*, *Sph. centrale*, *Sph.* spp. etc., as well as mosses and litter between those, 20.IX.2001, leg. A.R.; 2 ♀♀, Kol-Kotchen-Yagan River Basin (confluent of Malyy Yugan River), lake near cordon. Isolated tussocks of *Carex* spp. and Gramineae between sparse birch wood with *Padus* and *Salix* sp. at lake shore, (+3C?), 29.IX.2001, leg. A.R.; 1 ♀, Ay-Magromsy River Basin, Medvezhyi Ugol cordon, sweeping on *Carex rostrata*, *C.* spp., mosses and litter at swamp border: *Carex rostrata*, *Sphagnum girgensohnii*, *Sph.* spp. etc., among sparse young birches, (+7 C?), 15.IX.2002, leg. A.R.; 1 ♂, 2 ♀♀, Ay-Magromsy River Basin, Medvezhyi Ugol cordon, mosses and litter at southern border of sedge-mossy swamp: *Carex rostrata*, *C.* spp., *Comarum palustre*, *Equisetum* spp., *Sphagnum girgensohnii*, *Sph.* spp., *Plagiomnium* sp., *Aulacomnium* sp., *Calamagrostis* sp., *Menyanthes trifoliata* etc., among sparse young birches, (+7C?), 23.IX.2002, leg. A.R.; 1 ♂, 4 ♀♀, Malyy Yugan River, cordon below Lyarykni River mouth, open swamp with tussocks of *Carex* spp. and *Calamagrostis* sp. with *Comarum palustre*, *Salix* sp., *Sphagnum squarrosum*, *Sph.* spp., *Aulacomnium* sp. etc., between sparse young *Betula*, 17.VIII.2003, leg. A.R.; 6 ♂♂, 1 ♀, Malyy Yugan River, cordon below Lyarykni River mouth, open swamp with tussocks of *Carex* spp.

and *Calamagrostis* sp. with *Comarum palustre*, *Salix* sp., *Sphagnum squarrosum*, *Sph.* spp., *Aulacomnium* sp. etc., between sparse young *Betula*, 22.VIII.2003, leg. A.R.; 2 ♂♂, 1 ♀, Yuganskiy Reserve (buffer zone), flood-plain of a rill (confluent of Malyy Yugan River) near Achimovy-2 village: tussocks of *Carex* spp. and Poaceae, depressions with *Carex rostrata*, *Filipendula ulmaria*, *Comarum palustre*, *Urtica dioica*, *Sphagnum centrale*, *Climacium dendroides*, *Plagiomnium* sp., *Rubus saxatilis*, *Salix* sp., sparse *Betula* and *Picea*, 24.VIII.2003, leg. A.R.

1 ♀, Tobolsk Field Research Station, flood-plain swamps of left bank of Irtysh River with *Salix* sp., *Betula*, *Carex* spp., *Comarum palustre*, *Climacium dendroides*, *Aulacomnium palustre*, *Sphagnum girgensohnii*, *Sph. ?russowii*, *Sph. centrale*, *Sph. squarrosum* etc., 27.IX.2003, leg. A.R.; 6 ♀♀, mosses and litter and in sweeping on small swamp with *Carex* spp., Poaceae, *Sphagnum girgensohnii*, *Sph. squarrosum*, *Sph. ?riparium*, *Sph. ?balticum*, *Sph. centrale* etc., 21.IX.2003, leg. A.R.; 1 ♂, 1 ♀, steep right bank of Irtysh River up-stream of Tobolsk Field Research Station, small mosses and litter among *Tussilago farfara* on clay and loam, 14.IX.2003, leg. A.R.; 3 ♂♂, 1 ♀, Tobolsk Field Research Station, in litter under *Salix* sp. with Poaceae, *Carex* sp., *Filipendula ulmaria*, Lamiaceae etc., 26.IX.2003, leg. A.R.; 2 ♂♂, 4 ♀♀, flood-plain of left bank of Irtysh River, swampy shore of Letneye Lake: *Carex* spp., *Comarum palustre*, *Scirpus* sp., mosses, 01.X.2003, leg. A.R.; 4 ♀♀, mosses and litter among sparse *Salix* spp., *Betula*, *Pinus sylvestris* with tussocks of *Carex* spp., Poaceae, *Lythrum* sp., *Filipendula ulmaria*, *Climacium dendroides*, isolated spots of *Sphagnum squarrosum*, *Sph.* sp. etc., on swamped flood-plain of left bank of Irtysh River, 29.IX.2003, leg. A.R.; 2 ♀♀, among *Carex* spp. on flood-plain of Varpak River, 25.IX.2003, leg. A.R.

1 ♀, Luginetsky, *Abies*, *Picea*, *Betula* forest, in moss, VIII.1998, leg. A.T.

DISTRIBUTION. Throughout the Palaearctic and northern Nearctic. This is the first record in West Siberia.

Bathyphantes nigrinus (Westring, 1851)

1996 *Bathyphantes nigrinus*, Esiyunin, Ekosistemy Srednego Priob'ya, 1, p. 69.

MATERIAL. 1 ♀, Yuganskiy Reserve, Nyogus'yakh River, cordon Bisarkina. River bank: mosses and litter under *Salix* spp., *Padus*, *Matteuccia struthiopteris*, *Filipendula ulmaria*, *Urtica dioica* etc., 29.VII.1998, leg. A.R.; 1 ♂, 2 ♀♀, Vuya-Yany River near Ay-Vuya-Yany River mouth. Swamped flood-plain of left river bank: *Carex* spp., *Comarum palustre*, *Filipendula ulmaria*, *Spiraea* sp., *Ribes nigrum*, *Sphagnum squarrosum*, *Sph. ?girgensohnii*, *Plagiomnium* sp., *Aulacomnium* sp. etc., 27.VIII.2000, leg. A.R.; 3 ♀♀, Nyogus'yakh River Basin near Petchpan'yakh River mouth. Mosses and litter in swampy flood-plain forest, between *Betula*, *Abies sibirica*, *Picea obovata*, *Salix* sp., *Pinus sibirica* etc.: tussocks of *Carex* spp., *Filipendula ulmaria*, Gramineae, *Comarum palustre*, *Menyanthes trifoliata*, *Plagiomnium* sp., *Aulacomnium* sp., *Climacium dendroides* etc., 12.IX.2000, leg. A.R.

1 ♀, Tobolsk Field Research Station, small swamp with *Carex* sp. and *Salix* sp. amid birch forest on high flood-plain of left bank of Irtysh River, 30.IX.2003, leg. A.R.; 1 ♀, in mosses and litter under *Betula*, *Picea*, *Alnus* with *Pyrola* sp., *Carex globularis*, Poaceae, *Equisetum sylvaticum*, *Linnaea borealis*, *Pleurozium schreberi*, *Dicranum polysetum*, *Oxalis acetosella*, *Gallium* sp., *Aegopodium podagraria*, *Rubus idaeus*, *R. saxatilis* etc., on slope (from foot to top), 28.IX.2003, leg. A.R.

DISTRIBUTION. Europe, in Siberia known from the Urals to Yenisey River, recorded in the Altai Mts, South Siberia.

Bathyphantes parvulus (Westring, 1851)

MATERIAL. 1 ♀, Tobolsk Field Research Station, mosses and litter and in sweeping on small swamp with *Carex* spp.,

Poaceae, *Sphagnum girgensohnii*, *Sph. squarrosum*, *Sph. ?riparium*, *Sph. ?balticum*, *Sph. centrale* etc., 10.VI.2004, leg. A.R.

1 ♀, Tyumen, VI.2000, leg. U.

DISTRIBUTION. Europe, in Siberia known from the Urals eastward to Yenisey River, recorded in the Lake Baikal region. Known also from China. This is the first record in West Siberia.

Bathyphantes reprobus (Kulczynski, 1916)

MATERIAL. 1 ♂, Tyumen, VI.2000, leg. U.

DISTRIBUTION. Fennoscandia, European tundra; in Siberia from the Urals to Chukotka, through the mountains of South Siberia via the Lake Baikal region eastward to Khabarovsk and Maritime provinces.

Bathyphantes setiger F.O. Pickard-Cambridge, 1894

1996 *Bathyphantes setiger*, Esyunin, Ekosistemy Srednego Priob'ya, 1, p. 69.

MATERIAL. 1 ♂, 2 ♀♀, Surgutskiy Refuge, Ob' River Basin, right bank of Materikovyi Pasi Channel. Lake shore: *Carex* spp., *Comarum palustre*, Lamiales, *Climacium*, *Plagiomnium* sp. etc., 10.VIII.2000, leg. A.R.

1 ♀, Yuganskiy Reserve, Malyy Yugan River Basin, 3–5 km SW of cordon at Kol-Kotchen-Yagun River, near lake. Mosses and sparse spots of litter near shore of lake: *Sphagnum ?girgensohnii*, *Sph.* spp., *Comarum palustre*, Gramineae, *Carex ?globularis*, *Oxycoccus* sp., sparse young *Betula* and *Padus*, 23.IX.1999, leg. A.R.; 1 ♀, Nyugus'yakh River near Kogontchina-2 field research station. Clayish river bank: *Carex* spp., *Equisetum* sp., Gramineae, *Mentha* sp. etc., (shaking off sedges and Gramineae), 07.IX.2000, leg. A.R.; 4 ♂♂, 1 ♀, Malyy Yugan River, cordon below Lyarykni River mouth, open swamp with tussocks of *Carex* spp. and *Calamagrostis* sp. with *Comarum palustre*, *Salix* sp., *Sphagnum squarrosum*, *Sph.* spp., *?Aulacomnium* sp. etc., between sparse young *Betula*, 17.VIII.2003, leg. A.R.; 2 ♂♂, 1 ♀, Malyy Yugan River, near cordon below Maalyakh River mouth, on ground and in sweeping at river bank: sand, clay, *Carex* spp., Poaceae, *Equisetum* sp., *Vicia* sp., *Veronica longifolia*, etc., 19.VIII.2003, leg. A.R.

1 ♂, 2 ♀♀, Tobolsk Field Research Station, mosses and litter and in sweeping on small swamp with *Carex* spp., Poaceae, *Sphagnum girgensohnii*, *Sph. squarrosum*, *Sph. ?riparium*, *Sph. ?balticum*, *Sph. centrale* etc., 20.IX.2003, leg. A.R.; 3 ♀♀, mosses and litter and in sweeping on small swamp with *Carex* spp., Poaceae, *Sphagnum girgensohnii*, *Sph. squarrosum*, *Sph. ?riparium*, *Sph. ?balticum*, *Sph. centrale* etc., 21.IX.2003, leg. A.R.; 1 ♀, gentle sandy left bank of Irtysh River with clayish spots: among *Equisetum* sp. 15.IX.2003, leg. A.R.; 1 ♂, 1 ♀, flood-plain of Missiinka River near mouth, sweeping on *Carex* spp., *Comarum palustre*, *Mentha* sp., *Lythrum* sp., *Stachys* sp. etc., 18.IX.2003, leg. A.R.; 2 ♂♂, 3 ♀♀, flood-plain of left bank of Irtysh River, swampy shore of Letneye Lake: *Carex* spp., *Comarum palustre*, *Scirpus* sp., mosses, 01.X.2003, leg. A.R.; 5 ♂♂, mosses and litter among sparse *Salix* spp., *Betula*, *Pinus sylvestris* with tussocks of *Carex* spp., Poaceae, *Lythrum* sp., *Filipendula ulmaria*, *Climacium dendroides*, isolated spots of *Sphagnum squarrosum*, *Sph.* sp. etc., on swamped flood-plain of left bank of Irtysh River, 29.IX.2003, leg. A.R.; 1 ♀, among *Carex* spp. on flood-plain of Varpak River, 25.IX.2003, leg. A.R.; 2 ♂♂, 6 ♀♀, 9–10 km S of Gornoslinskino, steep right bank of Irtysh River below Tobolsk Field Research Station, mosses and litter among sparse *Tussilago farfara* on clay and loam, 04.X.2003, leg. A.R.

DISTRIBUTION. Widespread over Europe, in Siberia known from the Urals to Chukotka, Kamchatka, Cisokhotia, the Kurile Islands, Sakhalin; in the mountains of South Siberia recorded in Tuva, Sayan and the Lake Baikal region, known also in Khabarovsk and Maritime provinces.

Bathyphantes simillimus (L. Koch, 1879)

1996 *Bathyphantes eumenis*, Esyunin, Ekosistemy Srednego Priob'ya, 1, p. 69.

MATERIAL. 2 ♀♀, Yuganskiy Reserve, Vuya-Yany River near Ay-Vuya-Yany River mouth. Flood-plain depression: *Filipendula ulmaria*, *Carex* sp., Gramineae, *Spiraea* sp., *Ribes nigrum*, *Comarum palustre*, *Sphagnum squarrosum*, *Sph. girgensohnii*, *Climacium dendroides*, *Aulacomnium* sp., *Plagiomnium* sp. etc., 24.VIII.2000, leg. A.R.; 4 ♀♀, Kol-Kotchen-Yagun River Basin (confluent of Malyy Yugan River), lake near cordon. Swampy birch-willow sparse forest by SE shore of lake: tussocks of *Carex* spp. with a touch of *Calamagrostis* sp., *Comarum palustre*, *Sphagnum squarrosum*, *Sph. centrale*, *Sph.* spp. etc., as well as mosses and litter between those, 20.IX.2001, leg. A.R.; 2 ♀♀, Ay-Magromsy River Basin, Medvezhyi Ugol cordon, mosses and litter at rill bank and on flood-plain of rill: *Calamagrostis* sp., *Ribes* spp., *Rosa* sp., *Filipendula ulmaria*, *Matteuccia struthiopteris*, *Equisetum sylvaticum*, *Sphagnum squarrosum*, *Sph. girgensohnii*, *Sph.* spp., *Plagiomnium* sp. etc., 20.IX.2002, leg. A.R.

8 ♀♀, Tomsk, *Abies* forest, in moss and litter, 15–16.VIII.1998, leg. A.T.

2 ♀♀, Tyumen, VI.2000, leg. U.

NOTE. This species is extremely close to *B. eumenis* (L. Koch, 1879). The latter species occurs in northeastern Siberia, still very often being confused with *B. simillimus*.

DISTRIBUTION. Northern Europe; in Siberia known from the Urals eastward to Yenisey River, through the mountains of South Siberia via the Lake Baikal region eastward to the southern part of Khabarovsk Prov.; registered also in China. Kamchatka (?), Kurile Islands (?), Sakhalin (?).

Bolephthyphantes index (Thorell, 1856)

1996 *Bolyphantes index*, Esyunin, Ekosistemy Srednego Priob'ya, 1, p. 69.

MATERIAL. 1 ♂, Yuganskiy Reserve, Bolshoy Yugan River, near cordon Kamennyi. Moss and litter in pine forest: *Pinus sylvestris*, young *Pinus sibirica*, *Ledum palustre*, *Vaccinium vitis-idaea*, *V. myrtillus*, *Linnaea borealis*, *Hylocomium splendens*, *Pleurozium schreberi*, *Dicranum* sp., *Polytrichum commune* etc., 20.VIII.1999, leg. A.R.; 2 ♀♀, Kol-Kotchen-Yagun River Basin (confluent of Malyy Yugan River), lake near cordon. Mosses and litter in *Pinus* -*Ledum*-*Sphagnum* sparse forest with sparse *Betula*, *Chamaedaphne calyculata*, *Oxycoccus* sp., *Rubus chamaemorus*, *Eriophorum* sp., *Sphagnum magellanicum*, *Sph.* spp., 18.IX.2001, leg. A.R.

DISTRIBUTION. Northern Europe, eastern Kazakhstan, in Siberia known from the Urals eastward to East Siberia (excluding Chukotka), Cisokhotia, mountains of South Siberia (Tuva and Sayan); China.

Bolyphantes alticeps (Sundevall, 1832)

1996 *Bolyphantes alticeps*, Esyunin, Ekosistemy Srednego Priob'ya, 1, p. 69.

MATERIAL. 3 ♂♂, Yuganskiy Reserve, Malyy Yugan River Basin, 3–5 km SW of cordon at Kol-Kotchen-Yagun River, near lake. Moss and litter in pine forest with *Betula*, *Pinus sibirica*, *Ledum*, *Chamaedaphne calyculata*, *Vaccinium vitis-idaea*, *Sphagnum* spp., *Pleurozium schreberi*, *Dicranum* sp., *Polytrichum commune* (here and there) et al., 14.IX.1999, leg. A.R.; 1 ♂, Vuya-Yany River near Ay-Vuya-Yany River mouth. Clay river banks near mouth of small left confluent (500 m lower of field research station): *Carex* spp., Gramineae, *Mentha* sp., *?Trollius* sp. etc., 25.VIII.2000, leg. A.R.

1 ♀, Lugnetsky, *Picea* & *Betula* forest, in moss, 28.VIII.1998, leg. A.T.

1 ♂, 1 ♀, Samotlor, *Betula* forest, glade, in grass, Aug. 1999, leg. A.T.

1 ♂, Tomsk, *Abies* forest, in moss and litter, 15–16.VIII.1998, leg. A.T.

DISTRIBUTION. Throughout the Palaearctic.

Carorita limnaea (Crosby et Bishop, 1927)

MATERIAL. 1 ♂, 2 ♀♀, Lugnetsky, *Picea*, *Abies* & *Betula* forest, in moss, 26.VIII.1998, leg. A.T.

DISTRIBUTION. Europe, widespread over Siberia from the Urals to Cisokhotia and the Kurile Islands; through the mountains of South Siberia eastward to the southern part of Khabarovsk Prov., Maritime Prov.; Mongolia, China. Widespread in the Nearctic.

Carorita paludosa Duffey, 1971

MATERIAL. 3 ♀♀, Yuganskiy Reserve, Kol-Kotchen-Yagun River Basin (confluent of Malyi Yugan River), lake near cordon. Swampy birch-willow sparse forest by SE shore of lake: tussocks of *Carex* spp. with a touch of *Calamagrostis* sp., *Comarum palustre*, *Sphagnum squarrosum*, *Sph. centrale*, *Sph.* spp. etc., as well as mosses and litter between those, 20.IX.2001, leg. A.R.; 1 ♂, 1 ♀, Kol-Kotchen-Yagun River Basin (confluent of Malyi Yugan River), lake near cordon. Mosses and litter by NE shore of lake: spp., tussocks of *Carex* spp., *Calamagrostis* sp., *Sphagnum squarrosum* (?*aongstroemii*), *Sph. centrale*, *Sph. ?girgensobnii*, *Sph. russowii* between sparse birch wood with isolated *Pinus sylvestris*, 30.IX.2001, leg. A.R.

DISTRIBUTION. Known from Western Europe, West Siberia. This is a species new to the Russian fauna, also the first record in Siberia.

Centromerus arcanus (O. Pickard-Cambridge, 1873)

1996 *Centromerus arcanus*, Esyunin, Ekosistemy Srednego Priob'ya, 1, p. 70.

MATERIAL. 4 ♀♀, Surgutskiy Refuge, Ob' River Basin, Materikovyi Pasi Channel. Mosses and litter on bog near glade: tussocks with *Carex ?globularis*, *Sphagnum ?girgensobnii*, *Sph.* spp., *Linnaea borealis*, *Equisetum sylvaticum*, *Vaccinium vitis-idaea*, *Ledum palustre*, 06.VIII.2000, leg. A.R.

2 ♂♂, 2 ♀♀, near Ugut, Kynyaminskoye Lake. Mosses and litter at swamp edge with *Carex* spp., Gramineae, *Juncus* sp., *Salix* sp., *Polytrichum commune*, *Sphagnum* spp. etc., near lake shore, 06.VIII.2002, leg. A.R.; 2 ♂♂, 5 ♀♀, near Ugut, Ugutka River Basin. Mosses and litter at overgrown swamp with *Sphagnum* spp., *Pleurozium schreberi*, *Hylocomium splendens*, *Pinus sylvestris*, *Betula*, *Pinus sibirica*, *Ledum palustre*, *Oxycoccus* sp., *Rubus chamaemorus*, *Vaccinium myrtillus*, *V. vitis-idaea*, *V. uliginosum*, *Carex* sp. etc., 12.X.1998, leg. A.R.

4 ♀♀, Yuganskiy Reserve, Nyogus'yakh River, cordon Bisarkina. Mosses and litter on slope (from rill-bed to crest) near cordon: *Abies*, *Picea*, *Pinus sibirica*, *Betula*, *Populus tremula*, *Sorbus*, *Vaccinium vitis-idaea*, *V. myrtillus*, *Equisetum sylvaticum*, *Pleurozium schreberi*, *Hylocomium splendens*, *Maianthemum*, *Trientalis*, *Carex ?globularis*, graminoids etc., 22.X.1998, leg. A.R.; 2 ♀♀, Nyogus'yakh River, cordon Bisarkina. Mosses and litter in flood-plane forest and at natural levee with *Abies*, *Picea*, *Pinus sibirica*, *Betula*, *Oxalis*, *Equisetum sylvaticum*, *Eq. pratense*, *Maianthemum*, *Trientalis*, *Linnaea*, *Hylocomium splendens*, *Pleurozium schreberi*, placely *Sphagnum* sp. (*girgensobnii* or *russowii*) etc., 24.X.1998, leg. A.R.; 5 ♀♀, Nyogus'yakh River, cordon Bisarkina. Parching rill near cordon: mosses and litter in rill-bed and by banks (*Carex* spp., *Equisetum sylvaticum*,

Sphagnum ?riparium, *Sph. ?girgensobnii*, *Polytrichum commune*, *Filipendula ulmaria*, Gramineae, *Veratrum*, *Linnaea*, *Maianthemum*, *Trientalis*, *Tomenthypnum* sp., *Plagiomnium* sp. etc.), 31.X.1998, leg. A.R.; 2 ♂♂, 3 ♀♀, Nyogus'yakh River, cordon Bisarkina. Mosses and litter on slope near parched rill about cordon: *Abies*, *Picea*, *Betula*, *Sorbus*, *Hylocomium splendens*, *Pleurozium schreberi*, *Ptilium*, *Maianthemum*, *Trientalis*, *Linnaea*, *Equisetum sylvaticum*, *Polytrichum commune*, *Oxalis* etc., 31.X.1998, leg. A.R.; 3 ♂♂, 2 ♀♀, Malyi Yugan River Basin, 3–5 km SW of cordon at Kol-Kotchen-Yagun River, near lake. Moss and litter under *Betula* in swampy pine-birch light forest with *Picea*, young *Pinus sibirica*, *Pleurozium schreberi*, *Sphagnum* spp., *Vaccinium myrtillus*, *V. vitis-idaea*, *Ledum*, *Chamaedaphne calyculata*, *Equisetum sylvaticum*, 09.IX.1999, leg. A.R.; 2 ♂♂, Malyi Yugan River Basin, 3–5 km SW of cordon at Kol-Kotchen-Yagun River, near lake. Moss and litter in pine forest with *Betula*, *Pinus sibirica*, *Ledum*, *Chamaedaphne calyculata*, *Vaccinium vitis-idaea*, *Sphagnum* spp., *Pleurozium schreberi*, *Dicranum* sp., *Polytrichum commune* (here and there) et al., 14.IX.1999, leg. A.R.; 2 ♂♂, 1 ♀, Nyogus'yakh River near Kogontchina-2 field research station. Mosses and litter on swamp with *Pinus sylvestris*, *Betula*, *Ledum palustre*, *Andromeda polifolia*, *Chamaedaphne calyculata*, *Vaccinium uliginosum*, *Eriophorum* sp., *Oxycoccus palustris*, *Sphagnum fuscum*, *Sph. magellanicum*, *Sph. ?angustifolium*, *Sph.* spp., *Rubus chamaemorus* etc., 31.VIII.2000, leg. A.R.; 1 ♀, Vuya-Yany River Basin near Ay-Vuya-Yany River mouth (2 km E of cordon). Mosses and litter under *Picea obovata*, *Pinus sibirica*, *P. sylvestris*, *Betula* on flood-plain of rill with *Pleurozium schreberi*, *Hylocomium splendens*, *Sphagnum girgensobnii*, *Polytrichum commune*, *Equisetum sylvaticum*, *Carex ?globularis*, *Linnaea borealis*, *Vaccinium vitis-idaea*, *Oxalis acetosella* etc., 21.VIII.2000, leg. A.R.; 1 ♀, Vuya-Yany River near Ay-Vuya-Yany River mouth. Mosses and litter on swamp *Pinus sylvestris*, *Ledum palustre*, *Andromeda polifolia*, *Chamaedaphne calyculata*, *Oxycoccus* spp., *Sphagnum magellanicum*, *Sph. ?angustifolium*, *Eriophorum* sp. etc., 27.VIII.2000, leg. A.R.; 2 ♀♀, Nyogus'yakh River near Kogontchina-2 field research station. River bank: *Carex* sp. and Gramineae, 30.VIII.2000, leg. A.R.; 4 ♂♂, 3 ♀♀, Bolshoy Yugan River, 6–7 km below Sugmuten'yakh River mouth. Mosses and litter on overgrown swamp and swamped winter road with *Pinus sylvestris*, *Betula*, *Chamaedaphne*, *Ledum*, *Eriophorum* sp., *Sphagnum fuscum*, *Sph. magellanicum*, *Sph. ?balticum*, *Sph.* spp., *Oxycoccus* sp., *Vaccinium uliginosum*, *Pleurozium schreberi* etc., 20.VIII.2001, leg. A.R.; 2 ♀♀, near S border of buffer area of Yuganskiy Reserve, Kolylnor Lake. Mosses and litter under *Pinus sylvestris* and *Betula* with young *Pinus sibirica* in swamped forest near SW shore of lake: *Pleurozium schreberi*, *Dicranum* spp., *Sphagnum girgensobnii*, *Sph. ?russowii*, *Sph.* spp., *Rubus arcticus*, sparse *Ledum palustre* and *Oxycoccus* sp. etc., 01.IX.2001, leg. A.R.; 1 ♀, near S border of buffer area of Yuganskiy Reserve, Kolylnor Lake. Mosses and litter under *Pinus sylvestris*, *Betula*, *Pinus sibirica* with *Pleurozium schreberi*, *Ledum palustre* etc., between hummocks of *Sphagnum* spp. near the lake, 05.IX.2001, leg. A.R.; 3 ♀♀, Kol-Kotchen-Yagun River Basin (confluent of Malyi Yugan River), lake near cordon. Mosses and litter in *Pinus-Ledum-Sphagnum* sparse forest with sparse *Betula*, *Chamaedaphne calyculata*, *Oxycoccus* sp., *Rubus chamaemorus*, *Eriophorum* sp., *Sphagnum magellanicum*, *Sph.* spp., 18.IX.2001, leg. A.R.; 4 ♂♂, 3 ♀♀, Kol-Kotchen-Yagun River Basin (confluent of Malyi Yugan River), lake near cordon. Overgrown mesotrophic swamp with *Pinus sylvestris*, *P. sibirica*, *Betula*, *Picea obovata*: open plots of *Sphagnum girgensobnii*, *Sph. russowii*, *Sph.* sp., *Polytrichum commune* with *Carex globularis*, *Equisetum sylvaticum*, *Ledum palustre* etc., 19.IX.2001, leg. A.R.; 1 ♀, Bolshoy Yugan River near Kamennyi cordon, swamped birch forest with *Sphagnum* spp., *Carex* sp., Gramineae, *Ledum palustre* etc., 15.VIII.2002, leg. A.R.; 2 ♂♂, 5 ♀♀, Ay-Magromsy River Basin, 1 km N of Medvezhyi Ugol cordon, mosses and litter on flood-plain of rill with *Calamagrostis* sp., *Filipendula ulmaria*, *Spiraea* sp., *Equisetum sylvaticum*, *Plagiomnium* sp., *Sphagnum* spp. etc., (+5C?), 05.X.2002, leg. A.R.; 1 ♀, Ay-Magromsy River Basin, 3 km N of Medvezhyi Ugol cordon, mosses and litter in hum-

mocky with *Carex* sp., *Filipendula ulmaria*, *Comarum palustre*, *Plagiomnium* sp., *Climacium dendroides*, *Sphagnum russowii*, *Sph.* spp. etc., on flood-plain of rill, 03.X.2002, leg. A.R.; 4 ♂♂, 1 ♀, Malyy Yugan River, cordon below Lyarykni River mouth, open swamp with tussocks of *Carex* spp. and *Calamagrostis* sp. with *Comarum palustre*, *Salix* sp., *Sphagnum squarrosum*, *Sph.* spp., *Aulacomnium* sp. etc., between sparse young *Betula*, 17.VIII.2003, leg. A.R.; 2 ♂♂, 1 ♀, Malyy Yugan River, near cordon below Maalyakh River mouth, on ground and in sweeping at river bank: sand, clay, *Carex* spp., Poaceae, *Equisetum* sp., *Vicia* sp., *Veronica longifolia*, etc., 19.VIII.2003, leg. A.R.

1 ♂, 2 ♀♀, Tobolsk Field Research Station, mosses and litter and in sweeping on small swamp with *Carex* spp., Poaceae, *Sphagnum girgensohnii*, *Sph. squarrosum*, *Sph. ?riparium*, *Sph. ?balticum*, *Sph. centrale* etc., 20.IX.2003, leg. A.R.; 3 ♀♀, mosses and litter and in sweeping on small swamp with *Carex* spp., Poaceae, *Sphagnum girgensohnii*, *Sph. squarrosum*, *Sph. ?riparium*, *Sph. ?balticum*, *Sph. centrale* etc., 21.IX.2003, leg. A.R.; 1 ♀, gentle sandy left bank of Irtysh River with clayish spots: among *Equisetum* sp. 15.IX.2003, leg. A.R.; 1 ♂, 1 ♀, flood-plain of Missiinka River near mouth, sweeping on *Carex* spp., *Comarum palustre*, *Mentha* sp., *Lythrum* sp., *Stachys* sp. etc., 18.IX.2003, leg. A.R.; 2 ♂♂, 3 ♀♀, flood-plain of left bank of Irtysh River, swampy shore of Letneye Lake: *Carex* spp., *Comarum palustre*, *Scirpus* sp., mosses, 01.X.2003, leg. A.R.; 5 ♂♂, mosses and litter among sparse *Salix* spp., *Betula*, *Pinus sylvestris* with tussocks of *Carex* spp., Poaceae, *Lythrum* sp., *Filipendula ulmaria*, *Climacium dendroides*, isolated spots of *Sphagnum squarrosum*, *Sph.* sp. etc., on swamped flood-plain of left bank of Irtysh River, 29.IX.2003, leg. A.R.; 1 ♀, among *Carex* spp. on flood-plain of Varpak River, 25.IX.2003, leg. A.R.; 2 ♀♀, near Gornoslinskino, right bank of Irtysh River, mosses and leaf litter in swampy sparse birch forest with tussocks of *Carex globularis*, *C. spp.*, *Sphagnum girgensohnii*, *Sph.* spp. etc., 12.VI.2004, leg. A.R. 2 ♂♂, 6 ♀♀, 9–10 km S of Gornoslinskino, steep right bank of Irtysh River below Tobolsk Field Research Station, mosses and litter among sparse *Tussilago farfara* on clay and loam, 04.X.2003, leg. A.R.

4 ♂♂, 7 ♀♀, Luginsky, *Abies*, *Picea*, *Betula* forest, in moss, 26–VIII.1998, leg. A.T.; 2 ♂♂, 3 ♀♀, *Picea* & *Betula* forest, in moss, 22–28.VIII.1998, leg. A.T.

2 ♂♂, 4 ♀♀, Samotlor, *Populus* forest, under *Ledum*, in moss, Aug. 1999, A.T. leg.; 1 ♂, 5 ♀♀, *Populus* & *Pinus* forest, in moss, Aug. 1999, leg. A.T.

3 ♂♂, Noyabrskiy, *Picea* wood, moss & lichen, 16.VIII.2000, leg. A.T.

12 ♂♂, 32 ♀♀, Nefteyugansk, mixed forests: *Abies*, *Pinus sibirica*, *Picea*, *Betula* with *Equisetum*, *Vaccinium* spp., *Empetrum*, mosses, VIII.2001, leg. A.T.

DISTRIBUTION. Widespread in Europe, known in the Urals, West and Middle Siberia, Khabarovsk Prov.

Centromerus clarus (L. Koch, 1879)

1996 *Centromerus clarus*, Eshyulin, Ekosistemy Srednego Priob'ya, 1, p. 70.

MATERIAL. 1 ♀, Surgutskiy Refuge, Ob' River Basin, Mat'rikovyy Pasl Channel, 2 km S of cordon. Mosses and litter in forest with *Pinus sibirica*, *Populus tremula*, *Picea obovata*, *Pinus sylvestris*, *Sorbus sibirica*, *Hylocomium splendens*, *Pleurozium schreberi*, *Dicranum* sp., *Polytrichum commune*, *Lycopodium* sp., *Diphasiastrum* sp., *Diplazium sibiricum*, *Vaccinium vitis-idaea*, *V. myrtillus*, *Maianthemum bifolium*, *Trientalis europaea*, *Equisetum sylvaticum*, *Ledum palustre* etc., 09.VIII.2000, leg. A.R.

2 ♀♀, Yuganskiy Reserve, Nyogus'yakh River, cordon Bisarkina. Mosses and litter on slope (from rill-bed to crest) near cordon: *Abies*, *Picea*, *Pinus sibirica*, *Betula*, *Populus tremula*, *Sorbus*, *Vaccinium vitis-idaea*, *V. myrtillus*, *Equisetum sylvaticum*, *Pleurozium schreberi*, *Hylocomium splendens*, *Maianthemum*, *Trientalis*, *Carex ?globularis*, graminoids etc., 22.X.1998, leg. A.R.; 1 ♀, Nyogus'yakh River, cordon Bisarkina. Mosses and

litter on slope near parched rill about cordon: *Abies*, *Picea*, *Betula*, *Sorbus*, *Hylocomium splendens*, *Pleurozium schreberi*, *Ptilium*, *Maianthemum*, *Trientalis*, *Linnaea*, *Equisetum sylvaticum*, *Polytrichum commune*, *Oxalis* etc., 31.X.1998, leg. A.R.; 1 ♂, 2 ♀♀, Malyy Yugan River Basin, 3–5 km SW of cordon at Kol-Kotchen-Yagun River, near lake. Moss and litter under *Pinus sibirica* with *Vaccinium vitis-idaea*, *Ledum*, *Linnaea borealis*, *Carex ?globularis*, *Equisetum sylvaticum*, *Hylocomium splendens*, *Pleurozium schreberi*, *Dicranum* sp., 31.VIII.1999, leg. A.R.; 1 ♀, Malyy Yugan River Basin, 3–5 km SW of cordon at Kol-Kotchen-Yagun River, near lake. Moss and litter under *Pinus sibirica*, *P. sylvestris*, young *Abies* with *Hylocomium splendens*, *Pleurozium schreberi*, *Dicranum* sp., *Vaccinium myrtillus*, *V. vitis-idaea*, *Linnaea borealis*, sparse *Ledum* on low knoll, 09.IX.1999, leg. A.R.; 4 ♀♀, Malyy Yugan River Basin, 3–5 km SW of cordon at Kol-Kotchen-Yagun River, Moss and litter under *Picea* and *Abies* with *Hylocomium splendens*, *Pleurozium schreberi*, *Polytrichum commune*, *Linnaea borealis*, sparse *Equisetum sylvaticum*, *Maianthemum bifolium*, *Trientalis europaea*, *Vaccinium vitis-idaea*, 12.IX.1999, leg. A.R.; 1 ♀, Vuyay-Yany River near Ay-Vuyay-Yany River mouth. Mosses and litter in forest at crest line: *Pinus sibirica*, *P. sylvestris*, *Picea obovata*, *Abies sibirica*, *Vaccinium vitis-idaea*, *V. myrtillus*, *Linnaea borealis*, *Trientalis europaea*, *Equisetum sylvaticum*, *Pleurozium schreberi*, *Hylocomium splendens*, *Dicranum* sp., *Diphasiastrum* sp., 18.VIII.2000, leg. A.R.; 2 ♀♀, Vuyay-Yany River near Ay-Vuyay-Yany River mouth. Mosses and litter in forest at crest line: *Pinus sibirica*, *P. sylvestris*, *Picea obovata*, *Abies sibirica*, *Vaccinium vitis-idaea*, *V. myrtillus*, *Linnaea borealis*, *Trientalis europaea*, *Equisetum sylvaticum*, *Pleurozium schreberi*, *Hylocomium splendens*, *Dicranum* sp., *Diphasiastrum* sp., 21.VIII.2000, leg. A.R.; 3 ♂♂, 4 ♀♀, Nyogus'yakh River near Kogontchina-2 field research station. Mosses and litter under *Betula*, *Abies sibirica*, *Picea obovata*, *Pinus sibirica* with *Hylocomium splendens*, *Linnaea borealis*, *Oxalis acetosella*, *Maianthemum bifolium*, *Pyrola* sp., *Trientalis europaea*, *Equisetum pratense*, *Eg. sylvaticum* etc., on 1st fluvial terrace above flood-plain, 29.VIII.2000, leg. A.R.; 2 ♀♀, Nyogus'yakh River near Kogontchina-2 field research station. Mosses and peat under *Carex ?globularis* near small forest swamp on island in the middle of large high moor, 02.IX.2000, leg. A.R.; 1 ♀, near S border of buffer area of Yuganskiy Reserve, Koimlor (Krimlor) Lake. Litter under *Picea obovata* and *Pinus sibirica* with *Lycopodium* sp., *Linnaea borealis*, ferns, Gramineae, *Trientalis europaea*, sparse *Ledum palustre* etc., in moist forest near lake shore, 02.IX.2001, leg. A.R.; 1 ♀, near S border of buffer area of Yuganskiy Reserve, Koimlor (Krimlor) Lake. Mosses and litter in tussocks between sparse *Betula* and *Salix* sp. near lake shore: *Carex* spp., Gramineae, *Sphagnum squarrosum*, *Sph. centrale*, *Sph. girgensohnii*, *Comarum palustre*, sparse *Equisetum* sp., 02.IX.2001, leg. A.R.; 1 ♀, near S border of buffer area of Yuganskiy Reserve, rill between Kolylnor Lake and Koimlor (Krimlor) Lake. Mosses and litter under *Pinus sibirica* in forest at the rill bank: *Lycopodium* sp., ferns, *Linnaea borealis*, *Vaccinium vitis-idaea*, *Orthilia secunda*, *Pleurozium schreberi*, *Hylocomium splendens*, *Dicranum* sp., *Polytrichum* sp., *Calamagrostis* sp., sparse *Ledum palustre* etc., 04.IX.2001, leg. A.R.; 3 ♀♀, Kol-Kotchen-Yagun River (confluent of Malyy Yugan River) E of cordon. Loamy river bank with *Carex* spp., Gramineae, *Equisetum* spp., small *Rosa* sp. & *Salix* sp. etc., 16.IX.2001, leg. A.R.; 2 ♀♀, Kol-Kotchen-Yagun River Basin (confluent of Malyy Yugan River), lake near cordon. Mosses and litter under *Pinus sylvestris*, *P. sibirica*, *Picea obovata* in forest near cordon: *Ledum palustre*, *Chamaedaphne calyculata*, *Pleurozium schreberi*, *Hylocomium splendens*, *Dicranum* sp., *Polytrichum commune*, *Vaccinium vitis-idaea*, *V. myrtillus*, spots of *Sphagnum girgensohnii* and *Sph. russowii* et al., 25.IX.2001, leg. A.R.; 2 ♂♂, 5 ♀♀, Kol-Kotchen-Yagun River Basin (confluent of Malyy Yugan River), lake near cordon. Mosses and litter under *Pinus sylvestris*, *P. sibirica* and elfin wood of *Abies sibirica* with *Vaccinium vitis-idaea*, *V. myrtillus*, *Linnaea borealis*, *Pleurozium schreberi*, *Hylocomium splendens*, *Dicranum* sp., *Lycopodium* sp., sparse *Ledum palustre* et al., in forest on hill crest NW of lake, 01.X.2001, leg. A.R.; 1 ♂, 3 ♀♀, Ay-Magromsy River

Basin, Medvezhyi Ugol cordon, mosses and litter at swamp border: *Carex rostrata*, *Sphagnum girgensohnii*, *Sph.* spp. etc., among sparse young birches, 11.IX.2002, leg. A.R.; 2 ♀♀, Ay-Magromsy River Basin, Medvezhyi Ugol cordon, mosses and litter under *Populus tremula*, *Pinus sibirica*, *Picea obovata*, *Pinus sylvestris* with *Abies* thicket, *Hylocomium splendens*, *Pleurozium schreberi*, *Dicranum polysetum*, *Polytrichum commune*, *Equisetum sylvaticum*, *Vaccinium vitis-idaea*, *Linnaea borealis* etc., (+3C?, after first snowfall), 13.IX.2002, leg. A.R.; 3 ♀♀, Ay-Magromsy River Basin, Medvezhyi Ugol cordon, mosses and litter at the foot of slope near border of open swamp: *Pinus sylvestris*, *P. sibirica*, *Picea obovata*, *Juniperus communis*, *Ledum palustre*, *Chamaedaphne calyculata*, *Carex globularis*, *Pleurozium schreberi*, *Dicranum polysetum*, *Polytrichum* spp., *Sphagnum* spp., *Equisetum sylvaticum*, *Eq. pratense*, *Vaccinium vitis-idaea* etc., (+14 – +8C?), 25.IX.2002, leg. A.R.

2 ♂♂, Tobolsk Field Research Station, mosses and litter under *Betula*, *Pinus sibirica*, *Alnus*, *Abies* with *Carex globularis*, *Oxalis acetosella*, *Linnaea borealis*, *Delphinium* sp., *Maianthemum bifolium*, *Pyrola* sp., *Rubus saxatilis*, sparse *Pleurozium schreberi* etc., on gentle slope near Varpak River, 22.IX.2003, leg. A.R.; 6 ♂♂, 4 ♀♀, mosses and litter under *Pinus sylvestris*, *P. sibirica*, *Picea*, young *Abies* with *Ledum palustre*, *Vaccinium vitis-idaea*, *V. myrtillos*, *Poaceae*, *Carex globularis*, *Linnaea borealis*, *Pleurozium schreberi*, *Hylocomium splendens*, *Dicranum polysetum* etc., on upper part of slope, 02.X.2003, leg. A.R.; 4 ♂♂, 5 ♀♀, in litter under *Pinus sibirica*, *Picea*, *Betula*, *Abies*, *Tilia*, *Populus tremula* with *Lonicera* sp., *Carex globularis*, *Oxalis acetosella*, *Pyrola* sp., *Delphinium* sp., *Lathyrus* sp., *Equisetum sylvaticum* etc., on slope, 20.IX.2003, leg. A.R.; 4 ♀♀, in mosses and litter under *Betula*, *Picea*, *Alnus* with *Pyrola* sp., *Carex globularis*, *Poaceae*, *Equisetum sylvaticum*, *Linnaea borealis*, *Pleurozium schreberi*, *Dicranum polysetum*, *Oxalis acetosella*, *Gallium* sp., *Aegopodium podagraria*, *Rubus idaeus*, *R. saxatilis* etc., on slope (from foot to top), 28.IX.2003, leg. A.R.; 2 ♂♂, 3 ♀♀, mosses and litter under *Betula*, *Pinus sibirica*, *Abies* with *Carex globularis*, *Linnaea borealis*, *Maianthemum bifolium*, *Vaccinium vitis-idaea*, *V. myrtillos*, *Equisetum sylvaticum*, *Hylocomium splendens*, *Pleurozium schreberi*, *Dicranum polysetum*, *Sphagnum girgensohnii*, *Sph. russowii*, *Sph. warnstorffii*, *Lycopodium* sp., *Diplazium sibiricum*, *Oxalis acetosella*, *Rubus idaeus*, *R. saxatilis* etc., 24.IX.2003, leg. A.R. 2 ♀♀, in litter under *Pinus sibirica*, *Abies sibirica*, *Populus tremula*, with undergrowth of *Tilia cordata*, *Diplazium sibiricum*, *Equisetum sylvaticum*, *Maianthemum bifolium*, *Oxalis acetosella* etc., 10.VI.2004, leg. A.R.; 2 ♀♀, right bank of Irtysh River upstream of Tobolsk Field Research Station, leaf litter near top of slope, under *Betula*, *Tilia*, *Populus tremula* with *Carex globularis*, *Stellaria* sp. etc., 04.VI.2004, leg. A.R.; 9 ♂♂, 6 ♀♀, Tyumen Area, Uvatskiy District, 10 km S of Gornoslinskino, Tobolsk Field Research Station, mosses and litter in forest with *Abies*, *Picea*, *Betula*, *Carex globularis*, *Calamagrostis* sp., *Equisetum sylvaticum*, *Pyrola* sp., *Maianthemum bifolium*, *Linnaea borealis*, *Oxalis acetosella*, *Solidago* sp., *Lathyrus* sp., *Lonicera* sp., *Hylocomium splendens*, *Pleurozium schreberi*, *Dicranum polysetum* etc., 13.IX.2003, leg. A.R.

1 ♀, Samotlor, *Pinus* forest, in moss and lichen, Aug. 1999, leg. A.T.; 1 ♂, 2 ♀♀, *Populus* forest, in moss, Aug. 1999, A.T. leg.; 1 ♂, 3 ♀♀, *Populus* & *Pinus* forest, in moss, Aug. 1999, A.T. leg.; 2 ♀♀, *Betula* forest, glade, in grass, Aug. 1999, leg. A.T.

14 ♂♂, 15 ♀♀, Luginetsky, *Abies*, *Picea*, *Betula* forest, in moss, 21–28.VIII.1998, leg. A.T.; 12 ♂♂, 18 ♀♀, *Picea* & *Betula* forest, in moss, 22–28.VIII.1998, leg. A.T.; 1 ♂, *Abies* & *Picea* forest, log, unger bark, 28.VIII.1998, leg. A.T.; 4 ♂♂, 1 ♀, swampy spruce (*Picea*) forest, in moss, 25.VIII.1998, leg. A.T.; 6 ♀♀, *Picea* wood, moss & lichen, 16.VIII.2000, leg. A.T.

2 ♀♀, Nefteyugansk, mixed forests: *Abies*, *Pinus sibirica*, *Picea*, *Betula* with *Equisetum*, *Vaccinium* spp., *Empetrum*, mosses, VIII.2001, leg. A.T.

DISTRIBUTION. The Urals, West and Middle Siberia, through the mountains of South Siberia via the Lake Baikal region eastward to Khabarovsk Prov.

Centromerus incilium (L. Koch, 1881)

MATERIAL. 2 ♂♂, 3 ♀♀, Noyabrskiy, dry *Pinus* forest, *Ledum*, *Vaccinium vitis-idea*, *V. uliginosum*, *Empetrum*, moss & lichen (*Cladina* & *Cetraria*), 11–12.VIII.2000, leg. A.T.

DISTRIBUTION. Europe, the Urals and West Siberia. This is the first record in Siberia.

Centromerus levitarsis (Simon, 1884)

MATERIAL. 6 ♀♀, Surgutskiy Refuge, Ob' River Basin, Materikoviy Pasi Channel, 2 km S of cordon. Mosses and litter on swamp with *Sphagnum* spp., *Carex* spp., *Eriophorum* sp., *Ledum*, *Betula* ?rotundifolia, *Aulacomnium* sp., *Hypnum* sp., *Polytrichum* sp., sparse *Pinus sylvestris*, *Betula* sp., *Populus tremula* etc., 09.VIII.2000, leg. A.R.

3 ♀♀, Yuganskiy Reserve, Nyogus'yakh River Basin near Petchpan'yakh River mouth. Mosses and litter on large swamp: *Carex* spp., *Comarum palustre*, *Equisetum* sp., *Eriophorum* sp., Gramineae, *Rumex* sp., ?*Aulacomnium* sp., *Plagiomnium* sp., *Ptilium crista-castrensis*, *Sphagnum* sp., *Chamaenerium angustifolium*, sparse *Betula* & *Salix* sp., spots of dwarf birch on hummocks etc., 11.IX.2000, leg. A.R.; 1 ♂, 4 ♀♀, Nyogus'yakh River Basin near Petchpan'yakh River mouth. Mosses and litter on large swamp: *Carex* spp., *Comarum palustre*, *Equisetum* sp., *Eriophorum* sp., Gramineae, *Rumex* sp., ?*Aulacomnium* sp., *Plagiomnium* sp., *Ptilium crista-castrensis*, *Sphagnum* sp., *Chamaenerium angustifolium*, *Betula* and *Salix* sp. etc., 13.IX.2000, leg. A.R.; 2 ♀♀, Nyogus'yakh River Basin near Petchpan'yakh River mouth. Mosses and litter on large swamp: *Carex* spp., *Comarum palustre*, *Equisetum* sp., *Nardosmia frigida*, *Eriophorum* sp., Gramineae, *Rumex* sp., ?*Aulacomnium* sp., *Plagiomnium* sp., *Ptilium crista-castrensis*, *Sphagnum* sp., *Chamaenerium angustifolium*, *Betula* and *Salix* sp. etc., 15.IX.2000, leg. A.R.; 1 ♀, Nyogus'yakh River Basin near Petchpan'yakh River mouth. Mosses and litter on large open swamp: *Sphagnum* ?*angustifolium*, *Sph.* ?*girgensohnii*, *Sph.* ?*russowii*, *Sph.* sp., dwarf birch, *Oxycoccus* spp., Gramineae, *Carex* spp., *Comarum palustre*, *Equisetum* sp., ?*Aulacomnium* sp., *Plagiomnium* sp., *Ptilium crista-castrensis* etc., 24.IX.2000, leg. A.R.

DISTRIBUTION. Europe, in Siberia known from the Urals to Yenisey River. This is the first record in West Siberia.

Centromerus semiater (L. Koch, 1879)

1996 *Centromerus alnicola*, Eshyunin, Ekosistemy Srednego Priob'ya, 1, p. 70.

MATERIAL. 2 ♀♀, Yuganskiy Reserve, Nyogus'yakh River, cordon Bisarkina. Moss and litter on swamp amid flood plain forest near foot of slope: *Menyanthes trifoliata*, *Equisetum* spp., *Sphagnum squarrosum* (sparse), *Sph.* ?*centrale*, *Sph.* spp., *Nardosmia frigida*, *Carex* spp., Gramineae, *Salix* sp., *Comarum palustre*, *Filipendula ulmaria*, ?*Tomenthypnum* sp., *Plagiomnium* sp. etc., 27.X.1998, leg. A.R.; 1 ♂, 4 ♀♀, Malyi Yugan River Basin, near Koimlor Lake. Mosses and litter on swamp: *Sphagnum fuscum*, *Sph.* spp., *Polytrichum strictum*, *Pleurozium schreberi*, *Oxycoccus* spp., *Rubus chamaemorus*, *Vaccinium uliginosum*, *Ledum*, *Chamaedaphne*, *Andromeda*, young *Pinus sylvestris* etc., 10.VIII.1998, leg. A.R.; 2 ♀♀, Malyi Yugan River Basin, 3–5 km SW of cordon at Kol-Kotchen-Yagun River, near lake. Mosses on swamp near N shore of lake: *Sphagnum* spp., *Carex* spp., *Eriophorum* sp., *Chamaedaphne calyculata*, *Andromeda polifolia*, *Oxycoccus* spp., *Vaccinium uliginosum* et al., 17.IX.1999, leg. A.R.; 1 ♀, Malyi Yugan River Basin, 3–5 km SW of cordon at Kol-Kotchen-Yagun River, near lake. Mosses on swamp near N shore of lake: *Sphagnum* spp., *Carex* spp., *Eriophorum* sp., *Chamaedaphne calyculata*, *Andromeda polifolia*, *Oxycoccus* spp., *Vaccinium uliginosum* et al., 18.IX.1999, leg. A.R.; 1 ♀, Malyi

Yugan River Basin, Kol-Kotchen-Yagun River, 1 km S of cordon. Mosses and litter on small sedge-mossy swamp near river bank: *Carex* spp., *Sphagnum* ?*girgensobnii*, *Sph.* ?*riparium*, *Plagiomnium* sp. et al., 24.IX.1999, leg. A.R.; 4 ♀♀, Vuya-Yany River near Ay-Vuya-Yany River mouth. Flood-plain depression: *Filipendula ulmaria*, *Carex* sp., Gramineae, *Spiraea* sp., *Ribes nigrum*, *Comarum palustre*, *Sphagnum squarrosum*, *Sph.* *girgensobnii*, *Climacium dendroides*, *Aulacomnium* sp., *Plagiomnium* sp. etc., 24.VIII.2000, leg. A.R.; 6 ♀♀, Vuya-Yany River near Ay-Vuya-Yany River mouth. Swamped flood-plain of left river bank: *Carex* spp., *Comarum palustre*, *Filipendula ulmaria*, *Spiraea* sp., *Ribes nigrum*, *Sphagnum squarrosum*, *Sph.* ?*girgensobnii*, *Plagiomnium* sp., *Aulacomnium* sp. etc., 27.VIII.2000, leg. A.R.; 2 ♂♂, 4 ♀♀, Kol-Kotchen-Yagun River Basin (confluent of Malyi Yugan River), lake near cordon. Tussocks with *Carex* spp., *Calamagrostis* sp., *Comarum palustre* between sparse *Betula* and *Pinus sylvestris* at NW shore of lake: *Sphagnum centrale*, *Sph.* *girgensobnii*, *Sph.* ?*aongstroemii*, *Sph.* spp., *Climacium dendroides*, *Plagiomnium* sp., *Salix* sp., *Spiraea* sp. etc., 17.IX.2001, leg. A.R.; 3 ♀♀, Kol-Kotchen-Yagun River Basin (confluent of Malyi Yugan River), lake near cordon. Mosses and litter between sparse *Betula* and *Pinus* spp. by N shore of lake: *Carex* spp., *Calamagrostis* sp., *Eriophorum* sp., *Salix* spp., *Comarum palustre*, *Sphagnum squarrosum*, *Sph.* *centrale*, *Sph.* spp., *Hypnum* sp. etc., 22.IX.2001, leg. A.R.; 1 ♀, Kol-Kotchen-Yagun River (confluent of Malyi Yugan River) NE of cordon. Swampy flood-plain birch forest: tussocks of *Carex* spp. & Gramineae, *Comarum palustre*, *Filipendula ulmaria*, Ranunculaceae, *Sphagnum girgensobnii*, *Sph.* spp., *Climacium dendroides*, *Plagiomnium* sp. etc., 23.IX.2001, leg. A.R.; 2 ♀♀, Kol-Kotchen-Yagun River Basin (confluent of Malyi Yugan River), lake near cordon. Mosses and litter by NE shore of lake: spp., tussocks of *Carex* spp., *Calamagrostis* sp., *Sphagnum squarrosum* (?*aongstroemii*), *Sph.* *centrale*, *Sph.* ?*girgensobnii*, *Sph.* *russowii* (between sparse birch wood with isolated *Pinus sylvestris*, 30.IX.2001, leg. A.R.; 1 ♀, Ay-Magromsy River Basin, Medvezhyi Ugol cordon, mosses and litter at rill bank and on flood-plain of rill: *Calamagrostis* sp., *Ribes* spp., *Rosa* sp., *Filipendula ulmaria*, *Matteuccia struthiopteris*, *Equisetum sylvaticum*, *Sphagnum squarrosum*, *Sph.* *girgensobnii*, *Sph.* spp., *Plagiomnium* sp. etc., 20.IX.2002, leg. A.R.; 1 ♀, Ay-Magromsy River Basin, Medvezhyi Ugol cordon, mosses on sedge-mossy swamp: *Carex rostrata*, *C.* spp., *Sphagnum* ?*angustifolium*, *Sph.* *girgensobnii*, *Sph.* sp., *Oxycoccus* spp., (+8C?), 26.IX.2002, leg. A.R.; 1 ♂, 5 ♀♀, Ay-Magromsy River Basin, Medvezhyi Ugol cordon, mosses and litter near rill: *Plagiomnium* sp., *Sphagnum squarrosum*, *Sph.* *centrale*, *Sph.* *girgensobnii*, *Sph.* *warnstorffii*, *Calamagrostis* sp., *Carex* sp. among sparse *Salix* sp. and birches, (+6C?), 27.IX.2002, leg. A.R.

1 ♀, Tobolsk Field Research Station, mosses and litter under *Pinus sibirica*, *Abies*, *Betula* in swamped sparse forest with *Sphagnum girgensobnii*, *Sph.* ?*russowii*, *Sph.* *centrale*, *Sph.* *squarrosum*, *Linnaea borealis*, *Oxalis acetosella*, *Equisetum sylvaticum*, *Carex globularis*, *C.* sp., *Pleurozium schreberi* etc., 21.IX.2003, leg. A.R.

DISTRIBUTION. Europe, in Siberia known from the Urals to Yenisey River.

Centromerus sylvaticus (Blackwall, 1841)

1996 *Centromerus sylvaticus*, ESYUNIN, Ekosistemy Srednego Priob'ya, 1, p. 70.

MATERIAL. 1 ♂, Surgutskiy Refuge, Ob' River Basin, Materikovyi Pasl Channel. Moss and litter in forest at high river bank with *Abies*, *Picea*, *Populus tremula*, young *Pinus sibirica*, *Hylocomium splendens*, *Pleurozium schreberi*, *Polytrichum commune*, *Maianthemum bifolium*, *Vaccinium vitis-idaea*, *Lycopodium* sp., *Diphasiastrum* sp., *Equisetum sylvaticum*, *Linnaea borealis* etc., 05.VIII.2000, leg. A.R.; 2 ♀♀, Ob' River Basin, Materikovyi Pasl Channel, 2 km S of cordon. Mosses and litter on swamp with *Sphagnum* spp., *Carex* spp., *Eriophorum* sp., *Ledum*, *Betula* ?*rotundifolia*, *Aulacomnium* sp., *Hypnum* sp., *Polytrichum* sp., sparse *Pinus sylvestris*, *Betula* sp., *Populus tremu-*

la etc., 09.VIII.2000, leg. A.R.; 3 ♀♀, Ob' River Basin, right bank of Materikovyi Pasl Channel. Lake shore: *Carex* spp., *Comarum palustre*, Lamiaceae, *Climacium*, *Plagiomnium* sp. etc., 10.VIII.2000, leg. A.R.; 3 ♀♀, Ob' River Basin, Materikovyi Pasl Channel. Moss and litter in forest with *Abies*, *Picea*, *Populus tremula*, *Betula*, young *Pinus sibirica*, *Pleurozium schreberi*, *Hylocomium splendens*, *Dicranum* sp., *Polytrichum commune*, *Equisetum sylvaticum*, *Linnaea borealis*, *Oxalis acetosella*, *Trientalis europaea* etc., 07.VIII.2000, leg. A.R.; 2 ♂♂, 1 ♀, Ob' River Basin, Materikovyi Pasl Channel. Mosses and litter under *Pinus sibirica* and *Picea obovata* with *Hylocomium splendens*, *Pleurozium schreberi*, *Linnaea*, *Vaccinium vitis-idaea*, *V. myrtillosum*, *Polytrichum commune*, *Maianthemum bifolium*, *Trientalis europaea*, *Lycopodium* sp., *Diphasiastrum* sp., *Equisetum sylvaticum*, *E.* ?*pratense* etc., 12.VIII.2000, leg. A.R.;

2 ♀♀, Yuganskiy Reserve, Nyogus'yakh River, cordon Bisarkina. Parching rill near cordon: mosses and litter in rill-bed and by banks (*Abies*, *Picea*, *Salix*, *Padus*, *Betula*, *Populus tremula*, *Linnaea*, *Trientalis*, *Oxalis*, *Polytrichum commune*, *Carex* spp., *Equisetum sylvaticum*, *Sphagnum* ?*riparium*, *Sph.* ?*girgensobnii* etc.), 22.X.1998, leg. A.R.; 3 ♂♂, 5 ♀♀, near Vuya-Yany River mouth. Moss and litter in flood-plane forest with *Abies*, *Picea*, *Betula*, *Pinus sibirica*, *Sorbus*, *Vaccinium vitis-idaea*, *Equisetum sylvaticum*, *Eq. pratense*, *Hylocomium splendens*, *Pleurozium schreberi*, *Polytrichum commune*, *Ptilium*, *Climacium*, *Maianthemum*, *Trientalis*, *Veratrum* etc., 15.VIII.1998, leg. A.R.; 3 ♀♀, Vuya-Yany River near Ay-Vuya-Yany River mouth. Swamped flood-plain of left river bank: *Carex* spp., *Comarum palustre*, *Filipendula ulmaria*, *Spiraea* sp., *Ribes nigrum*, *Sphagnum squarrosum*, *Sph.* ?*girgensobnii*, *Plagiomnium* sp., *Aulacomnium* sp. etc., 27.VIII.2000, leg. A.R.; 3 ♀♀, near Vuya-Yany River mouth. Mosses and litter in flood-plane forest with *Pinus sibirica*, *Abies*, *Picea*, *Betula*, *Rosa*, *Vaccinium vitis-idaea*, *Maianthemum*, *Trientalis*, *Pleurozium schreberi*, *Hylocomium splendens*, *Equisetum sylvaticum*, spots of *Sphagnum* ?*girgensobnii* and *Sph.* ?*russowii* etc., 09.VIII.1998, leg. A.R.; 1 ♂, 2 ♀♀, Nyogus'yakh River Basin, forest road, 3 km ENE of cordon Bisarkina. Moss and litter in forest with *Picea*, *Pinus sibirica*, *P. sylvestris*, *Betula*, *Equisetum pratense*, *Eq. sylvaticum*, *Pleurozium schreberi*, *Hylocomium splendens*, *Vaccinium myrtillosum*, *V. vitis-idaea*, *Sphagnum russowii* (placely), 28.X.1998, leg. A.R.; 2 ♀♀, Nyogus'yakh River, cordon Bisarkina. Parching rill near cordon: mosses and litter in rill-bed and by banks (*Carex* spp., *Equisetum sylvaticum*, *Sphagnum* ?*riparium*, *Sph.* ?*girgensobnii*, *Polytrichum commune*, *Filipendula ulmaria*, Gramineae, *Veratrum*, *Linnaea*, *Maianthemum*, *Trientalis*, *Tomentohypnum* sp., *Plagiomnium* sp. etc.), 31.X.1998, leg. A.R.; 4 ♀♀, Vuya-Yany River near Ay-Vuya-Yany River mouth. Mosses and litter in forest at crest line: *Pinus sibirica*, *P. sylvestris*, *Picea obovata*, *Abies sibirica*, *Vaccinium vitis-idaea*, *V. myrtillosum*, *Linnaea borealis*, *Trientalis europaea*, *Equisetum sylvaticum*, *Pleurozium schreberi*, *Hylocomium splendens*, *Dicranum* sp., *Diphasiastrum* sp., 21.VIII.2000, leg. A.R.; 2 ♀♀, Nyogus'yakh River near Kogontchina-2 field research station. Mosses and peat on flood-plain forest swamp with *Filipendula ulmaria*, Gramineae, *Ribes nigrum*, *Sorbus sibirica*, *Rosa* sp., *Matteuccia struthiopteris*, *Comarum palustre*, *Rubus saxatilis* etc., 29.VIII.2000, leg. A.R.; 2 ♀♀, Kol-Kotchen-Yagun River Basin (confluent of Malyi Yugan River), lake near cordon. Overgrown mesotrophic swamp with *Pinus sylvestris*, *P. sibirica*, *Betula*, *Picea obovata*: open plots of *Sphagnum girgensobnii*, *Sph.* *russowii*, *Sph.* sp., *Polytrichum commune* with *Carex globularis*, *Equisetum sylvaticum*, *Ledum palustre* etc., 19.IX.2001, leg. A.R.; 1 ♂, 2 ♀♀, Kol-Kotchen-Yagun River Basin (confluent of Malyi Yugan River), lake near cordon. Mosses and litter under *Pinus sylvestris*, *P. sibirica*, *Picea obovata* in forest near cordon: *Ledum palustre*, *Chamaedaphne calyculata*, *Pleurozium schreberi*, *Hylocomium splendens*, *Dicranum* sp., *Polytrichum commune*, *Vaccinium vitis-idaea*, *V. myrtillosum*, spots of *Sphagnum girgensobnii* and *Sph.* *russowii* et al., 25.IX.2001, leg. A.R.; 2 ♀♀, Ay-Magromsy River Basin, Medvezhyi Ugol cordon, mosses and litter under *Populus tremula*, *Pinus sibirica*, *Picea obovata*, *Pinus sylvestris* with *Abies* thicket, *Hylocomium splendens*, *Pleurozium schreberi*, *Dicranum polysetum*, *Polytrichum commune*, *Equisetum sylvaticum*, *Vaccin-*

ium vitis-idaea, *Linnaea borealis* etc., (+3C?, after first snowfall), 13.IX.2002, leg. A.R.; 1 ♂, 2 ♀♀, Malyi Yugan River, near cordon below Maalyakh River mouth, mosses and litter in forest with *Pinus sibirica*, *P. sylvestris*, *Picea*, *Betula*, *Populus tremula*, *Abies*, *Equisetum sylvaticum*, *Linnaea borealis*, *Vaccinium vitis-idaea*, *V. myrtillus*, *Carex globularis*, *Pleurozium schreberi*, *Hylocomium splendens*, *Polytrichum commune*, sparse spots of *Sphagnum girgensohnii* and *Ledum palustre*, 20.VIII.2003, leg. A.R.

1 ♀, Tobolsk Field Research Station, mosses and litter under *Betula*, *Pinus sibirica*, *Alnus*, *Abies* with *Carex globularis*, *Oxalis acetosella*, *Linnaea borealis*, *Delphinium* sp., *Maianthemum bifolium*, *Pyrola* sp., *Rubus saxatilis*, sparse *Pleurozium schreberi* etc., on gentle slope near Varpak River, 22.IX.2003, leg. A.R.

1 ♀, Samotlor, *Populus* & *Pinus* forest, in moss, Aug. 1999, A.T. leg.; 1 ♀, bank of Vakh River, *Salix* bushes, litter, Aug. 1999, leg. A.T.

12 ♂♂, 14 ♀♀, Luginetsky, *Abies*, *Picea*, *Betula* forest, in moss, 21–28.VIII.1998, leg. A.T.; 2 ♂♂, 4 ♀♀, *Picea* & *Betula* forest, in moss, 22–28.VIII.1998, leg. A.T.; 1 ♂, *Picea*, *Abies* & *Betula* forest, in moss, 26.VIII.1998, leg. A.T.

1 ♂, Nefteyugansk, mixed forests: *Abies*, *Pinus sibirica*, *Picea*, *Betula* with *Equisetum*, *Vaccinium* spp., *Empetrum*, mosses, VIII.2001, leg. A.T.

2 ♀♀, Tyumen, VI.2000, leg. U.

DISTRIBUTION. Pan-Holarctic.

Ceraticelus bulbosus (Emerton, 1882)

1992 *Ceraticelus sibiricus*, Esyunin & Novokshenov, Trudy Zool. Inst. AN SSSR, 226, p. 116.

1996 *Ceraticelus sibiricus*, Esyunin, Ekosistemy Srednego Priob'ya, 1, p. 71.

MATERIAL. 1 ♂, Surgutskiy Refuge, Ob' River Basin, Materikovyi Pasl Channel, 2 km S of cordon. Mosses and litter on swamp with *Sphagnum* spp., *Carex* spp., *Eriophorum* sp., *Ledum*, *Betula* ?*rotundifolia*, *Aulacomnium* sp., *Hynum* sp., *Polytrichum* sp., sparse *Pinus sylvestris*, *Betula* sp., *Populus tremula* etc., 09.VIII.2000, leg. A.R.

2 ♂♂, 1 ♀, Yuganskiy Reserve, Nyogus'yakh River Basin near Petchpan'yakh River mouth. Mosses and litter on large swamp: *Carex* spp., *Comarum palustre*, *Equisetum* sp., *Eriophorum* sp., Gramineae, *Rumex* sp., ?*Aulacomnium* sp., *Plagiomnium* sp., *Ptilium crista-castrensis*, *Sphagnum* sp., *Chamaenerium angustifolium*, sparse *Betula* & *Salix* sp., spots of dwarf birch on hummocks etc., 11.IX.2000, leg. A.R.; 2 ♂♂, 3 ♀♀, Nyogus'yakh River Basin near Petchpan'yakh River mouth. Mosses and litter on large open swamp: *Sphagnum* ?*angustifolium*, *Sph.* ?*girgensohnii*, *Sph.* ?*russowii*, *Sph.* sp., dwarf birch, *Oxycoccus* spp., Gramineae, *Carex* spp., *Comarum palustre*, *Equisetum* sp., ?*Aulacomnium* sp., *Plagiomnium* sp., *Ptilium crista-castrensis* etc., 24.IX.2000, leg. A.R.; 1 ♂, 1 ♀, Ay-Magromsy River Basin, Medvezhyi Ugol cordon, sweeping on *Carex rostrata*, C. spp., mosses and litter at swamp border: *Carex rostrata*, *Sphagnum girgensohnii*, *Sph.* spp. etc., among sparse young birches, (+7C?), 15.IX.2002, leg. A.R.; 1 ♂, Ay-Magromsy River Basin, Medvezhyi Ugol cordon, sweeping on *Carex rostrata*, C. spp., Gramineae, *Eriophorum* sp. etc., mosses and litter at border of sedge-mossy swamp (including rill source): *Carex rostrata*, C. spp., *Sphagnum girgensohnii*, *Sph.* spp., *Equisetum* spp., *Oxycoccus* spp., *Chamaedaphne calyculata*, *Comarum palustre*, *Calamagrostis* sp., *Menyanthes trifoliata* etc., among sparse young birches, 19.IX.2002, leg. A.R.; 2 ♂♂, Ay-Magromsy River Basin, Medvezhyi Ugol cordon, mosses on sedge-mossy swamp: *Carex rostrata*, C. spp., *Sphagnum* ?*angustifolium*, *Sph. girgensohnii*, *Sph.* sp., *Oxycoccus* spp., (+8C?), 26.IX.2002, leg. A.R.; 2 ♂♂, Malyi Yugan River, near cordon below Maalyakh River mouth, mosses and litter on swamp with *Sphagnum magellanicum*, *Sph.* ?*balticum*, *Sph. fuscum*, *Sph.* spp., *Carex* sp., *Eriophorum* sp., *Chamaedaphne calyculata*, *Ledum palustre*, *An-*

dromeda polifolia, *Oxycoccus* sp., sparse *Pinus sylvestris* etc., and in sweeping., 20.VIII.2003, leg. A.R.

DISTRIBUTION. Siberia: from the Urals to Cisokhotia, known also from Sakhalin. Widespread in the Nearctic.

Ceratinella brevipes (Westring, 1851)

1996 *Ceratinella brevipes*, Esyunin, Ekosistemy Srednego Priob'ya, 1, p. 71.

DISTRIBUTION. Widespread in Europe, occurs also in the Caucasus and the Urals. In Asia known in West Siberia, the Lake Baikal region and Japan.

Ceratinella brevis (Wider, 1834)

MATERIAL. 2 ♂♂, 1 ♀, Yuganskiy Reserve, Nyogus'yakh River, cordon Bisarkina. Moss and litter at swamp amid flood-plain forest near foot of slope: *Menyanthes trifoliata*, *Equisetum* sp., *Sphagnum* spp., *Comarum palustre*, *Filipendula ulmaria*, ?*Tomenthypnum* sp., *Plagiomnium* sp. etc., with sparse *Betula*, *Picea*, *Abies*, *Pinus sibirica*, 25.X.1998, leg. A.R.; 1 ♀, Nyogus'yakh River, cordon Bisarkina. Moss and litter on swamp amid flood plain forest near foot of slope: *Menyanthes trifoliata*, *Equisetum* spp., *Sphagnum squarrosum* (sparse), *Sph.* ?*centrale*, *Sph.* spp., *Nardosmia frigida*, *Carex* spp., Gramineae, *Salix* sp., *Comarum palustre*, *Filipendula ulmaria*, ?*Tomenthypnum* sp., *Plagiomnium* sp. etc., 27.X.1998, leg. A.R.; 2 ♀♀, Nyogus'yakh River Basin, forest road, 3 km ENE of cordon Bisarkina. Moss and litter in forest with *Picea*, *Pinus sibirica*, *P. sylvestris*, *Betula*, *Equisetum pratense*, *Eq. sylvaticum*, *Pleurozium schreberi*, *Hylocomium splendens*, *Vaccinium myrtillus*, *V. vitis-idaea*, *Sphagnum russowii* (placely), 28.X.1998, leg. A.R.; 1 ♂, 2 ♀♀, Nyogus'yakh River, cordon Bisarkina. Tussocks with *Carex* spp., Gramineae, *Filipendula ulmaria*, *Plagiomnium* sp., *Tomenthypnum* sp. etc., at flood-plain lake shore, 30.X.1998, leg. A.R.; 1 ♂, right confluent of Bolshoy Yugan River, 3 km SW of cordon Kamennyi. Steep loamy river bank: *Carex* spp., Gramineae, sparse *Filipendula ulmaria*, *Vicia* sp., *Veronica* ?*longifolia* etc., 21.VIII.1999, leg. A.R.; 1 ♀, Bolshoy Yugan River, near cordon Kamennyi. Water-logged forest with *Picea*, *Abies*, *Pinus sylvestris*, young *Pinus sibirica*, aspen, *Betula*, *Ledum*, *Hylocomium splendens*, *Pleurozium schreberi*, *Sphagnum* spp., *Polytrichum* spp., *Carex* spp., Gramineae, *Linnaea borealis*, *Vaccinium vitis-idaea*, *V. myrtillus*, 24.VIII.1999, leg. A.R.; 1 ♀, Malyi Yugan River Basin, 3–5 km SW of cordon at Kol-Kotchen-Yugan River, near lake. Moss and litter in pine forest with *Betula*, *Pinus sibirica*, *Ledum*, *Chamaedaphne calyculata*, *Vaccinium vitis-idaea*, *Sphagnum* spp., *Pleurozium schreberi*, *Dicranum* sp., *Polytrichum commune* (here and there) et al., 14.IX.1999, leg. A.R.; 1 ♀, Malyi Yugan River Basin, 3–5 km SW of cordon at Kol-Kotchen-Yugan River, near lake. Mosses on swamp near N shore of lake: *Sphagnum* spp., *Carex* spp., *Eriophorum* sp., *Chamaedaphne calyculata*, *Andromeda polifolia*, *Oxycoccus* spp., *Vaccinium uliginosum* et al., 18.IX.1999, leg. A.R.; 2 ♂♂, 1 ♀, Nyogus'yakh River Basin near Petchpan'yakh River mouth. Mosses and litter on large swamp: *Carex* spp., *Comarum palustre*, *Equisetum* sp., *Eriophorum* sp., Gramineae, *Rumex* sp., ?*Aulacomnium* sp., *Plagiomnium* sp., *Ptilium crista-castrensis*, *Sphagnum* sp., *Chamaenerium angustifolium*, *Betula* and *Salix* sp. etc., 13.IX.2000, leg. A.R.; 2 ♂♂, Vuya-Yany River near Ay-Vuya-Yany River mouth. Mosses and litter on swamp: *Pinus sylvestris*, *Ledum palustre*, *Andromeda polifolia*, *Chamaedaphne calyculata*, *Oxycoccus* spp., *Sphagnum magellanicum*, *Sph.* ?*angustifolium*, *Eriophorum* sp. etc., 27.VIII.2000, leg. A.R.; 1 ♀, Nyogus'yakh River Basin near Petchpan'yakh River mouth. Mosses and litter in swampy flood-plain forest, between *Betula*, *Abies sibirica*, *Picea obovata*, *Salix* sp., *Pinus sibirica* etc. tussocks of *Carex* spp., *Filipendula ulmaria*, Gramineae, *Comarum palustre*, *Menyanthes trifoliata*, *Plagiomnium* sp., *Aulacomnium* sp., *Climacium dendroides* etc., 12.IX.2000, leg. A.R.; 1 ♀, Bolshoy Yugan River, 6–7 km below

Sugmuten'yakh River mouth. Bank of old channel: tussocks with *Carex* spp., Gramineae, small admixture of *Filipendula ulmaria* between sparse *Salix* sp. and *Betula*, 17.VIII.2001, leg. A.R.; 1 ♂, Bolshoy Yugan River, 6–7 km below Sugmuten'yakh River mouth. Mosses and litter on overgrown swamp and swamped winter road with *Pinus sylvestris*, *Betula*, *Chamaedaphne*, *Ledum*, *Eriophorum* sp., *Sphagnum fuscum*, *Sph. magellanicum*, *Sph. ?balticum*, *Sph.* spp., *Oxycoccus* sp., *Vaccinium uliginosum*, *Pleurozium schreberi* etc., 20.VIII.2001, leg. A.R.; 1 ♀, near S border of buffer area of rill between Kolynlor Lake and Koimlor (Krimlor) Lake. Mosses and litter under *Pinus sibirica* in forest at the rill bank: *Lycopodium* sp., ferns, *Linnaea borealis*, *Vaccinium vitis-idaea*, *Orthilia secunda*, *Pleurozium schreberi*, *Hylocomium splendens*, *Dicranum* sp., *Polytrichum* sp., *Calamagrostis* sp., sparse *Ledum palustre* etc., 04.IX.2001, leg. A.R.; 2 ♀♀, Kol-Kotchen-Yagun River Basin (confluent of Malyi Yugan River), lake near cordon. Swampy birch-willow sparse forest by SE shore of lake: tussocks of *Carex* spp. with a touch of *Calamagrostis* sp., *Comarum palustre*, *Sphagnum squarrosum*, *Sph. centrale*, *Sph.* spp. etc., as well as mosses and litter between those, 20.IX.2001, leg. A.R.; 2 ♂♂, 1 ♀, Kol-Kotchen-Yagun River Basin (confluent of Malyi Yugan River), lake near cordon. Mosses and litter under *Pinus sylvestris*, *P. sibirica*, *Picea obovata* in forest near cordon: *Ledum palustre*, *Chamaedaphne calyculata*, *Pleurozium schreberi*, *Hylocomium splendens*, *Dicranum* sp., *Polytrichum commune*, *Vaccinium vitis-idaea*, *V. myrtilus*, spots of *Sphagnum girgensohnii* and *Sph. russowii* et al., 25.IX.2001, leg. A.R.; 1 ♀, Bolshoy Yugan River near Kamennyi cordon, swamped birch forest with *Sphagnum* spp., *Carex* sp., Gramineae, *Ledum palustre* etc., 15.VIII.2002, leg. A.R.; 1 ♀, (buffer area), right riverside of Bolshoy Yugan River near cordon Kamennyi. Mosses and litter in forest with *Picea obovata*, *Abies sibirica*, *Pinus sibirica*, *Carex* spp. and Gramineae with *Sphagnum girgensohnii*, *Sph.* spp., *Polytrichum commune* etc., in waterlogged birch forest on flood-plain, 21.VIII.2002, leg. A.R.; 1 ♂, Ay-Magromsy River Basin, Medvezhyi Ugol cordon, mosses and litter near rill: *Plagiomnium* sp., *Sphagnum squarrosum*, *Sph. centrale*, *Sph. girgensohnii*, *Sph. warnstorffii*, *Calamagrostis* sp., *Carex* sp. among sparse *Salix* sp. and birches, (+6C?), 27.IX.2002, leg. A.R.; 1 ♀, Ay-Magromsy River Basin, 3 km N of Medvezhyi Ugol cordon, mosses and litter in hummocky with *Carex* sp., *Filipendula ulmaria*, *Comarum palustre*, *Plagiomnium* sp., *Climacium dendroides*, *Sphagnum russowii*, *Sph.* spp. etc., on flood-plain of rill, 03.X.2002, leg. A.R.; 2 ♀♀, Malyi Yugan River, near cordon below Maalyakh River mouth, mosses and litter on swamp with *Sphagnum magellanicum*, *Sph. ?balticum*, *Sph. fuscum*, *Sph.* spp., *Carex* sp., *Eriophorum* sp., *Chamaedaphne calyculata*, *Ledum palustre*, *Andromeda polifolia*, *Oxycoccus* sp., sparse *Pinus sylvestris* etc., and in sweeping, 20.VIII.2003, leg. A.R.

1 ♀, Tobolsk Field Research Station, mosses and litter in forest with *Abies*, *Picea*, *Betula*, *Carex globularis*, *Calamagrostis* sp., *Equisetum sylvaticum*, *Pyrola* sp., *Maianthemum bifolium*, *Linnaea borealis*, *Oxalis acetosella*, *Solidago* sp., *Lathyrus* sp., *Lonicera* sp., *Hylocomium splendens*, *Pleurozium schreberi*, *Dicranum polysetum* etc., 13.IX.2003, leg. A.R.; 2 ♂♂, 1 ♀, mosses and litter under *Betula*, *Pinus sibirica*, *Abies* with *Carex globularis*, *Linnaea borealis*, *Maianthemum bifolium*, *Vaccinium vitis-idaea*, *V. myrtilus*, *Equisetum sylvaticum*, *Hylocomium splendens*, *Pleurozium schreberi*, *Dicranum polysetum*, *Sphagnum girgensohnii*, *Sph. russowii*, *Sph. warnstorffii*, *Lycopodium* sp., *Diplazium sibiricum*, *Oxalis acetosella*, *Rubus idaeus*, *R. saxatilis* etc., 24.IX.2003, leg. A.R.; 1 ♀, mosses and litter under *Pinus sibirica*, *Abies*, *Betula* in swamped sparse forest with *Sphagnum girgensohnii*, *Sph. ?russowii*, *Sph. centrale*, *Sph. squarrosum*, *Linnaea borealis*, *Oxalis acetosella*, *Equisetum sylvaticum*, *Carex globularis*, *C. sp.*, *Pleurozium schreberi* etc., 21.IX.2003, leg. A.R.; 1 ♀, mosses and litter and in sweeping on small swamp with *Carex* spp., Poaceae, *Sphagnum girgensohnii*, *Sph. squarrosum*, *Sph. ?riparium*, *Sph. ?balticum*, *Sph. centrale* etc., 10.VI.2004, leg. A.R.; 1 ♀, near Gornoslinskino, right bank of Irtysh River, mosses and litter in Pine-Ledum sparse forest with *Chamaedaphne calyculata*, *Salix* spp., *Vaccinium uliginosum*, *V. vitis-idaea*, *Oxycoccus* sp., *Rubus*

chamaemorus, *Carex* spp., *Eriophorum* sp., Poaceae, *Sphagnum ?balticum*, *Sph. ?russowii*, *Sph. magellanicum*, *Sph. fuscum*, *Pleurozium schreberi*, *Dicranum polysetum* etc., 12.VI.2004, leg. A.R.

2 ♀♀, Luginetsky, *Picea*, *Abies* & *Betula* forest, in moss, 26.VIII.1998, leg. A.T.

4 ♂♂, 12 ♀♀, Nefteyugansk, mixed forests: *Abies*, *Pinus sibirica*, *Picea*, *Betula* with *Equisetum*, *Vaccinium* spp., *Empetrum*, mosses, VIII.2001, leg. A.T.

DISTRIBUTION. Widespread in Europe, known from the Crimea, the Caucasus and Middle Asia; in Siberia distributed from the Urals to Cisokhotia and Kamchatka; through the mountains of South Siberia eastward to the southern part of Khabarovsk Prov., Maritime Prov.; Mongolia, China, Japan. This is the first record in West Siberia.

Ceratinella scabrosa (O. Pickard-Cambridge, 1871)

MATERIAL. 1 ♂, Tobolsk Field Research Station, mosses and litter under *Betula* with *Equisetum sylvaticum*, *Pyrola* sp., *Lathyrus* sp. etc., on gentle slope near crest of Spartakovskaya Mt., 06.VI.2004, leg. A.R.

DISTRIBUTION. Widespread in Europe, occurs also in the Caucasus and the Urals; in Asia known in West Siberia, Altai Mts (South Siberia), the southern part of Khabarovsk Prov., and Japan. This is the first record in West Siberia.

Ceratinella wideri (Thorell, 1871)

MATERIAL. 1 ♂, Yuganskiy Reserve, near Vuya-Yany River mouth. Moss and litter at hummocks at bank of old channel with *Carex* spp., *Comarum palustre*, *Filipendula ulmaria*, Gramineae, *Plagiomnium* sp. etc., 12.VIII.1998, leg. A.R.; 1 ♂, Malyi Yugan River Basin, Kol-Kotchen-Yagun River, 3–4 km S of cordon. Moss and litter at river bank: *Padus*, *Salix* sp., *Spiraea* spp., *Filipendula ulmaria*, *Ribes nigrum*, *Gallium* sp., *Carex* spp., Gramineae, *Equisetum* spp., *?Aulacomnium* sp., *Plagiomnium* sp., *Climacium dendroides* et al., 13.IX.1999, leg. A.R.; 1 ♂, 2 ♀♀, Vuya-Yany River near Ay-Vuya-Yany River mouth. Flood-plain depression: *Filipendula ulmaria*, *Carex* sp., Gramineae, *Spiraea* sp., *Ribes nigrum*, *Comarum palustre*, *Sphagnum squarrosum*, *Sph. girgensohnii*, *Climacium dendroides*, *Aulacomnium* sp., *Plagiomnium* sp. etc., 24.VIII.2000, leg. A.R.; 1 ♂, Vuya-Yany River near Ay-Vuya-Yany River mouth. Swamped flood-plain of left river bank: *Carex* spp., *Comarum palustre*, *Filipendula ulmaria*, *Spiraea* sp., *Ribes nigrum*, *Sphagnum squarrosum*, *Sph. ?girgensohnii*, *Plagiomnium* sp., *Aulacomnium* sp. etc., 27.VIII.2000, leg. A.R.; 2 ♂♂, Nyogus'yakh River near Kogontchina-2 field research station. Swampy bank of old river channel: *Carex* hummocks, Gramineae, *Filipendula ulmaria*, *Comarum palustre*, *Padus*, *Rosa* sp., *Salix* sp., true mosses etc., 01.IX.2000, leg. A.R.; 1 ♀, Nyogus'yakh River Basin near Petchpan'yakh River mouth. Mosses and litter on large swamp: *Comarum palustre*, *Equisetum* sp., *Eriophorum* sp., Gramineae, *Rumex* sp., *?Aulacomnium* sp., *Plagiomnium* sp., *Ptilium crista-castrensis*, *Sphagnum* sp., *Chamaenerium angustifolium*, *Betula* and *Salix* sp. etc., 13.IX.2000, leg. A.R.; 1 ♂, Nyogus'yakh River Basin near Petchpan'yakh River mouth. Mosses and litter on large open swamp: *Sphagnum ?angustifolium*, *Sph. ?girgensohnii*, *Sph. ?russowii*, *Sph.* sp., dwarf birch, *Oxycoccus* spp., Gramineae, *Carex* spp., *Comarum palustre*, *Equisetum* sp., *?Aulacomnium* sp., *Plagiomnium* sp., *Ptilium crista-castrensis* etc., 24.IX.2000, leg. A.R.; 1 ♂, Vuya-Yany River near Ay-Vuya-Yany River mouth. Flood-plain lake shore: *Carex* spp., *Filipendula ulmaria*, Gramineae, *Aulacomnium* sp., *Climacium dendroides*, *Comarum palustre*, 18.VIII.2000, leg. A.R.; 2 ♂♂, Vuya-Yany River near Ay-Vuya-Yany River mouth. Flood-plain lake shore: young *Betula* and *Populus tremula*, *Carex* spp., *Filipendula ulmaria*, Gramineae, *Sphagnum girgensohnii*, *Aulacomnium* sp., *Climacium dendroides*, *Comarum palustre*, 23.VIII.2000, leg. A.R.; 1 ♀, Bolshoy Yugan River, 6–7 km below Sugmuten'yakh River mouth. Bank of old channel: tussocks with *Carex* spp., Gramineae, small admixture

of *Filipendula ulmaria* between sparse *Salix* sp. and *Betula*, 17.VIII.2001, leg. A.R.; 1 ♂, Bolshoy Yugan River, 6–7 km below Sugmuten'yakh River mouth. Mosses and litter on overgrown swamp and swamped winter road with *Pinus sylvestris*, *Betula*, *Chamaedaphne*, *Ledum*, *Eriophorum* sp., *Sphagnum fuscum*, *Sph. magellanicum*, *Sph. ?balticum*, *Sph.* spp., *Oxycoccus* sp., *Vaccinium uliginosum*, *Pleurozium schreberi* etc., 20.VIII.2001, leg. A.R.; 1 ♂, Bolshoy Yugan River, 6–7 km below Sugmuten'yakh River mouth. Mosses and litter between *Carex* spp., Gramineae, *Filipendula ulmaria*, *Spiraea* sp., with *Plagiomnium* sp., *Climacium dendroides* etc., on swamped forest road, 22.VIII.2001, leg. A.R.; 1 ♀, near S border of buffer area of Yuganskiy Reserve, rill between Kolynlor Lake and Koimlor (Krimlor) Lake. Rill bank near source: tussocks with *Carex* spp. and Gramineae, *Comarum palustre*, *Sphagnum squarrosum*, *Sph. girgensobnii*, *Sph.* spp., *Plagiomnium* sp. etc., 04.IX.2001, leg. A.R.; 1 ♂, 2 ♀♀, Ay-Magromsy River Basin, Medvezhyi Ugol cordon, mosses and litter at rill bank and on flood-plain of rill: *Calamagrostis* sp., *Ribes* spp., *Rosa* sp., *Filipendula ulmaria*, *Matteuccia struthiopteris*, *Equisetum sylvaticum*, *Sphagnum squarrosum*, *Sph. girgensobnii*, *Sph.* spp., *Plagiomnium* sp. etc., 20.IX.2002, leg. A.R.; 1 ♂, Ay-Magromsy River Basin, Medvezhyi Ugol cordon, mosses and litter at southern border of sedge-mossy swamp: *Carex rostrata*, *C.* spp., *Comarum palustre*, *Equisetum* spp., *Sphagnum girgensobnii*, *Sph.* spp., *Plagiomnium* sp., *Aulacomnium* sp., *Calamagrostis* sp., *Menyanthes trifoliata* etc., among sparse young birches, 21.IX.2002, leg. A.R.; 1 ♂, Malyi Yugan River, cordon below Lyarykni River mouth, open swamp with tussocks of *Carex* spp. and *Calamagrostis* sp. with *Comarum palustre*, *Salix* sp., *Sphagnum squarrosum*, *Sph.* spp., *Aulacomnium* sp. etc., between sparse young *Betula*, 17.VIII.2003, leg. A.R.

1 ♂, 1 ♀, Tobolsk Field Research Station, plant debris and leaf litter at margin of inundated flood-plain of Varpak River: *Carex* sp., Poaceae, *Lythrum* sp., *Salix* sp. on gentle slope, aspen trees on steep slope, depression in the ground with aspen leaf drift, 07.VI.2004, leg. A.R.; 2 ♂♂, mosses and plant debris in swampy birch-willow sparse forest of flood-plain near left bank of Irtysh River: *Carex* spp., *Calamagrostis* sp., *Sphagnum ?balticum*, *Sph. ?girgensobnii*, *Sph. squarrosum*, *Comarum palustre*, *Lythrum* sp., *Filipendula ulmaria*, *Climacium dendroides* etc., 09.VI.2004, leg. A.R.

1 ♀, Luginetsky, swampy spruce (*Picea*) forest, in moss, 25.VIII.1998, leg. A.T.

1 ♂, Tomsk, *Abies* forest, in moss and litter, 15–16.VIII.1998, leg. A.T.

DISTRIBUTION. Widespread in Europe, in Siberia known from the Urals eastward to Chukotka, Cisokhotia; from eastern Kazakhstan through the mountains of South Siberia eastward to Sayan. Recorded in Mongolia and Middle Asia. This is the first record in West Siberia.

Cnephalocotes obscurus (Blackwall, 1834)

1996 *Cnephalocotes obscurus*, Esyunin, Ekosistemy Srednego Priob'ya, 1, p. 71.

MATERIAL. 1 ♂, Yuganskiy Reserve, Nyogus'yakh River near Kogontchina-2 field research station. Mosses and litter on swamp with *Pinus sylvestris*, *Betula*, *Ledum palustre*, *Andromeda polifolia*, *Chamaedaphne calyculata*, *Vaccinium uliginosum*, *Eriophorum* sp., *Oxycoccus palustris*, *Sphagnum fuscum*, *Sph. magellanicum*, *Sph. ?angustifolium*, *Sph.* spp., *Rubus chamaemorus* etc., 31.VIII.2000, leg. A.R.; 1 ♂, Nyogus'yakh River Basin near Petchpan'yakh River mouth. Mosses and litter on large swamp: *Carex* spp., *Comarum palustre*, *Equisetum* sp., *Eriophorum* sp., Gramineae, *Rumex* sp., *Aulacomnium* sp., *Plagiomnium* sp., *Ptilium crista-castrensis*, *Sphagnum* sp., *Chamaenerium angustifolium*, sparse *Betula* & *Salix* sp., spots of dwarf birch on hummocks etc., 11.IX.2000, leg. A.R.; 2 ♀♀, Bolshoy Yugan River, 6–7 km below Sugmuten'yakh River mouth. Mosses and litter on overgrown swamp and swamped winter road with *Pinus sylvestris*, *Betula*, *Chamaedaphne*, *Ledum*, *Eriophorum* sp.,

Sphagnum fuscum, *Sph. magellanicum*, *Sph. ?balticum*, *Sph.* spp., *Oxycoccus* sp., *Vaccinium uliginosum*, *Pleurozium schreberi* etc., 20.VIII.2001, leg. A.R.

1 ♀, Luginetsky, *Picea*, *Populus* & *Betula* forest, in litter, 22–28.VIII.1998, leg. A.T.; 1 ♀, *Picea* & *Betula* forest, in moss, 21.VIII.1998, leg. A.T.

1 ♀, Tyumen, VI.2000, leg. U.

DISTRIBUTION. Widespread in Europe; in Siberia known from the Urals to Cisokhotia; through eastern Kazakhstan via the mountains of South Siberia eastward to Khabarovsk Prov., recorded also in Sakhalin.

Deciphantes decipiens (L. Koch, 1879)

1996 *Lepthyphantes decipiens*, Esyunin, Ekosistemy Srednego Priob'ya, 1, p. 70.

MATERIAL. 1 ♂, 2 ♀♀, Surgutskiy Refuge, Ob' River Basin, Materikovyi Pasl Channel. Moss and litter in forest at high river bank with *Abies*, *Picea*, *Populus tremula*, young *Pinus sibirica*, *Hylocomium splendens*, *Pleurozium schreberi*, *Polytrichum commune*, *Maianthemum bifolium*, *Vaccinium vitis-idaea*, *Lycopodium* sp., *Diphasiastrum* sp., *Equisetum sylvaticum*, *Linnaea borealis* etc., 05.VIII.2000, leg. A.R.; 2 ♀♀, Ob' River Basin, Materikovyi Pasl Channel. Moss and litter in forest with *Abies*, *Picea*, *Populus tremula*, *Betula*, young *Pinus sibirica*, *Pleurozium schreberi*, *Hylocomium splendens*, *Dicranum* sp., *Polytrichum commune*, *Equisetum sylvaticum*, *Linnaea borealis*, *Oxalis acetosella*, *Trientalis europaea* etc., 07.VIII.2000, leg. A.R.;

1 ♂, Yuganskiy Reserve, right confluent of Bolshoy Yugan River, 3 km SW of cordon Kamennyi. Moss and litter in flood-plain forest: *Picea*, *Abies*, *Pinus sibirica*, *Sorbus*, *Vaccinium vitis-idaea*, *V. myrtillus*, *Maianthemum bifolium*, *Linnaea borealis*, *Hylocomium splendens*, *Pleurozium schreberi*, *Dicranum* sp., *Polytrichum commune*, 21.VIII.1999, leg. A.R.; 1 ♂, Vuya-Yany River near Ay-Vuya-Yany River mouth. Mosses and litter in forest at crest line: *Pinus sibirica*, *P. sylvestris*, *Picea obovata*, *Abies sibirica*, *Vaccinium vitis-idaea*, *V. myrtillus*, *Linnaea borealis*, *Trientalis europaea*, *Equisetum sylvaticum*, *Pleurozium schreberi*, *Hylocomium splendens*, *Dicranum* sp., *Diphasiastrum* sp., 21.VIII.2000, leg. A.R.; 1 ♂, Nyogus'yakh River near Kogontchina-2 field research station. Mosses and peat under *Carex ?globularis* near small forest swamp on island in the middle of large high moor, 02.IX.2000, leg. A.R.; 1 ♀, Nyogus'yakh River near Kogontchina-2 field research station. Mosses and litter under *Pinus sibirica*, *Picea obovata*, *Populus tremula* with *Linnaea borealis*, *Vaccinium vitis-idaea*, *Maianthemum bifolium*, *Trientalis europaea*, *Hylocomium splendens*, *Pleurozium schreberi*, *Equisetum sylvaticum*, *Eq. pratense* etc., 02.IX.2000, leg. A.R.; 3 ♂♂, 1 ♀, near S border of buffer area of Yuganskiy Reserve, Koimlor (Krimlor) Lake. Litter under *Picea obovata* and *Pinus sibirica* with *Lycopodium* sp., *Linnaea borealis*, ferns, Gramineae, *Trientalis europaea*, sparse *Ledum palustre* etc., in moist forest near lake shore, 02.IX.2001, leg. A.R.; 2 ♂♂, Kol-Kotchen-Yagun River (confluent of Malyi Yugan River) E of cordon. Loamy river bank with *Carex* spp., Gramineae, *Equisetum* spp., small *Rosa* sp. & *Salix* sp. etc., 16.IX.2001, leg. A.R.; 1 ♂, Kol-Kotchen-Yagun River Basin (confluent of Malyi Yugan River), lake near cordon. Mosses and litter under *Pinus sylvestris*, *P. sibirica* and elfin wood of *Abies sibirica* with *Vaccinium vitis-idaea*, *V. myrtillus*, *Linnaea borealis*, *Pleurozium schreberi*, *Hylocomium splendens*, *Dicranum* sp., *Lycopodium* sp., sparse *Ledum palustre* et al., in forest on hill crest NW of lake. 01.X.2001, leg. A.R.; 1 ♂, right riverside of Bolshoy Yugan River near cordon Kamennyi. Mosses and litter in forest with *Picea obovata*, *Abies sibirica*, *Pinus sibirica*, *Carex* spp. and Gramineae with *Sphagnum girgensobnii*, *Sph.* spp., *Polytrichum commune* etc., in water-logged birch forest on flood-plain, 21.VIII.2002, leg. A.R.; 3 ♀♀, Ay-Magromsy River Basin, Medvezhyi Ugol cordon, mosses and litter under *Pinus sylvestris*, *P. sibirica*, *Picea obovata*, *Betula* with *Vaccinium vitis-idaea*, *V. myrtillus*, *Pleurozium schreberi*, *Hylocomium splendens*, *Dicranum polysetum*, *Sphagnum ?warnstorffii*,

Linnaea borealis, *Equisetum sylvaticum* etc., under aspen trunk, and under mosses, lichens, bark scales on bases of pine trees, 18.IX.2002, leg. A.R.; 2 ♂♂, 3 ♀♀, Ay-Magromsy River Basin, Medvezhiy Ugol cordon, mosses and litter under *Pinus sylvestris*, *Picea obovata*, *Pinus sibirica* with *Ledum palustre*, *Vaccinium vitis-idaea*, *Linnaea borealis*, *Pleurozium schreberi*, *Dicranum polysetum*, (+4C?), 29.IX.2002, leg. A.R.; 1 ♀, Ay-Magromsy River Basin, 3 km N of Medvezhiy Ugol cordon, mosses and litter under *Larix sibirica* and *Juniperus* sp. among *Abies*, *Picea*, *Betula* with *Hylocomium splendens*, *Pleurozium schreberi*, *Dicranum polysetum*, *Linnaea borealis*, *Polytrichum commune*, *Diphysastrum complanatum*, *Vaccinium vitis-idaea*, *V. myrtillus* etc., on gentle slope, 03.X.2002, leg. A.R.; 1 ♀, Malyi Yugan River, near cordon below Lyarykni River mouth, mosses and litter in forest near river bank: *Pleurozium schreberi*, *Hylocomium splendens*, *Dicranum polysetum*, sparse *Polytrichum commune*, spots of *Sphagnum girgensohnii*, *Linnaea borealis*, *Vaccinium vitis-idaea*, *Equisetum sylvaticum*, *Maianthemum bifolium*, *Carex globularis*, *Rubus saxatilis*, *Trientalis europaea*, Poaceae, *Oxalis acetosella* etc., under *Pinus sibirica*, *P. sylvestris*, *Abies*, *Picea*, *Betula*, *Populus tremula*, 18.VIII.2003, leg. A.R.

2 ♂♂, Tobolsk Field Research Station, mosses and litter in forest with *Abies*, *Picea*, *Betula*, *Carex globularis*, *Calamagrostis* sp., *Equisetum sylvaticum*, *Pyrola* sp., *Maianthemum bifolium*, *Linnaea borealis*, *Oxalis acetosella*, *Solidago* sp., *Lathyrus* sp., *Lonicera* sp., *Hylocomium splendens*, *Pleurozium schreberi*, *Dicranum polysetum* etc., 13.IX.2003, leg. A.R.; 1 ♂, 2 ♀♀, in mosses and litter under *Betula*, *Picea*, *Alnus* with *Pyrola* sp., *Carex globularis*, Poaceae, *Equisetum sylvaticum*, *Linnaea borealis*, *Pleurozium schreberi*, *Dicranum polysetum*, *Oxalis acetosella*, *Galium* sp., *Aegopodium podagraria*, *Rubus idaeus*, *R. saxatilis* etc., on slope (from foot to top), 28.IX.2003, leg. A.R.; 1 ♂, mosses and litter on plate crest near bank of Irtysh River: birch forest with sparse young *Pinus sibirica*, *Abies*, *Tilia*, *Sorbus*, *Carex globularis*, Poaceae, *Pyrola* sp., *Equisetum sylvaticum* etc., 10.IX.2003, leg. A.R.

1 ♂, 2 ♀♀, Samotlor, *Pinus* forest, in moss and lichen, Aug. 1999, leg. A.T.

3 ♂♂, 2 ♀♀, Luginsky, *Abies*, *Picea*, *Betula* forest, in moss, VIII.1998, leg. A.T.; 3 ♂♂, 5 ♀♀, *Picea* & *Betula* forest, in moss, 22–28.VIII.1998, leg. A.T.; 1 ♀, *Abies* & *Picea* forest, log, unger bark, 22–28.VIII.1998, leg. A.T.; 2 ♂♂, 4 ♀♀, swampy spruce (*Picea*) forest, in moss, 25.VIII.1998, leg. A.T.; 1 ♂, 1 ♀, *Picea*, *Abies* & *Betula* forest, in moss, 26.VIII.1998, leg. A.T.

3 ♂♂, 2 ♀♀, Nefteyugansk, mixed forests: *Abies*, *Pinus sibirica*, *Picea*, *Betula* with *Equisetum*, *Vaccinium* spp., *Empetrum*, mosses, VIII.2001, leg. A.T.

1 ♀, Tyumen, VI.2000, leg. U.

DISTRIBUTION. Northern Europe, in Siberia known from the Urals eastward to Yenisey River, through the mountains of South Siberia eastward to the Lake Baikal region. Recorded in Mongolia.

Dicymbium nigrum (Blackwall, 1834)

MATERIAL. 2 ♀♀, Tobolsk Field Research Station, flood-plain swamps of left bank of Irtysh River with *Salix* sp., *Betula*, *Carex* spp., *Comarum palustre*, *Climacium dendroides*, *Aulacomnium palustre*, *Sphagnum girgensohnii*, *Sph. ?russowii*, *Sph. centrale*, *Sph. squarrosum* etc., 27.IX.2003, leg. A.R.; 1 ♀, mosses and litter among sparse *Salix* spp., *Betula*, *Pinus sylvestris* with tussocks of *Carex* spp., Poaceae, *Lytbrum* sp., *Filipendula ulmaria*, *Climacium dendroides*, isolated spots of *Sphagnum squarrosum*, *Sph.* sp. etc., on swamped flood-plain of left bank of Irtysh River, 29.IX.2003, leg. A.R.; 1 ♀, in litter and mosses under *Salix* sp. with Poaceae, *Carex* spp., *Filipendula ulmaria*, *Galium* sp., *Climacium dendroides* etc., at border of flood-plain of Varpak River, 23.IX.2003, leg. A.R.

DISTRIBUTION. Widespread in Europe, Turkey, the Caucasus and Middle Asia; in Siberia known from the Urals eastward to Yenisey River; registered from China. This is the first record in West Siberia.

Diplocentria bidentata (Emerton, 1882)

1996 *Diplocentria bidentata*, Esyunin, Ekosistemy Srednego Priob'ya, 1, p. 71.

MATERIAL. 3 ♀♀, Yuganskiy Reserve, Nyogus'yakh River, cordon Bisarkina. Parching rill near cordon: mosses and litter in rill-bed and by banks (*Abies*, *Picea*, *Salix*, *Padus*, *Betula*, *Populus tremula*, *Linnaea*, *Trientalis*, *Oxalis*, *Polytrichum commune*, *Carex* spp., *Equisetum sylvaticum*, *Sphagnum ?riparium*, *Sph. ?girgensohnii* etc.), 22.X.1998, leg. A.R.; 2 ♂♂, 5 ♀♀, Nyogus'yakh River, cordon Bisarkina. Mosses and litter on slope (from rill-bed to crest) near cordon: *Abies*, *Picea*, *Pinus sibirica*, *Betula*, *Populus tremula*, *Sorbus*, *Vaccinium vitis-idaea*, *V. myrtillus*, *Equisetum sylvaticum*, *Pleurozium schreberi*, *Hylocomium splendens*, *Maianthemum*, *Trientalis*, *Carex ?globularis*, graminoids etc., 22.X.1998, leg. A.R.; 2 ♀♀, Nyogus'yakh River, cordon Bisarkina. Mosses and litter in flood-plane forest and at natural levee with *Abies*, *Picea*, *Pinus sibirica*, *Betula*, *Oxalis*, *Equisetum sylvaticum*, *Eq. pratense*, *Maianthemum*, *Trientalis*, *Linnaea*, *Hylocomium splendens*, *Pleurozium schreberi*, placely *Sphagnum* sp. (*girgensohnii* or *russowii*) etc., 24.X.1998, leg. A.R.; 4 ♀♀, Malyi Yugan River Basin, near Koimlor Lake. Mosses and litter on swamp: *Sphagnum fuscum*, *Sph.* spp., *Polytrichum strictum*, *Pleurozium schreberi*, *Oxycoccus* spp., *Rubus chamaemorus*, *Vaccinium uliginosum*, *Ledum*, *Chamaedaphne*, *Andromeda*, young *Pinus sylvestris* etc., 10.VIII.1998, leg. A.R.; 3 ♀♀, Nyogus'yakh River, cordon Bisarkina. Mosses and litter at forest lake shore: *Carex* spp., *Filipendula ulmaria*, Gramineae, *Equisetum* spp., ferns, *Plagiomnium* sp., *Climacium dendroides*, *Sphagnum squarrosum*, *Tomenthypnum* sp. etc., 26.X.1998, leg. A.R.; 2 ♀♀, Nyogus'yakh River, cordon Bisarkina. Moss and litter under *Betula*, *Picea*, *Pinus sibirica* on swamp amid flood plain forest near foot of slope, 27.X.1998, leg. A.R.; 6 ♀♀, Nyogus'yakh River Basin, forest road, 3 km ENE of cordon Bisarkina. Moss and litter in forest with *Picea*, *Pinus sibirica*, *P. sylvestris*, *Betula*, *Equisetum pratense*, *Eq. sylvaticum*, *Pleurozium schreberi*, *Hylocomium splendens*, *Vaccinium myrtillus*, *V. vitis-idaea*, *Sphagnum russowii* (placely), 28.X.1998, leg. A.R.; 3 ♂♂, 1 ♀, Nyogus'yakh River, cordon Bisarkina. Parching rill near cordon: mosses and litter in rill-bed and by banks (*Carex* spp., *Equisetum sylvaticum*, *Sphagnum ?riparium*, *Sph. ?girgensohnii*, *Polytrichum commune*, *Filipendula ulmaria*, Gramineae, *Veratrum*, *Linnaea*, *Maianthemum*, *Trientalis*, *Tomenthypnum* sp., *Plagiomnium* sp. etc.), 31.X.1998, leg. A.R.; 1 ♂, 1 ♀, Nyogus'yakh River, cordon Bisarkina. Mosses and litter on slope near parched rill about cordon: *Abies*, *Picea*, *Betula*, *Sorbus*, *Hylocomium splendens*, *Pleurozium schreberi*, *Ptilium*, *Maianthemum*, *Trientalis*, *Linnaea*, *Equisetum sylvaticum*, *Polytrichum commune*, *Oxalis* etc., 31.X.1998, leg. A.R.; 2 ♂♂, 3 ♀♀, Bolshoy Yugan River, near cordon Kamennyi. Moss and litter in pine forest: *Pinus sylvestris*, young *Pinus sibirica*, *Ledum palustre*, *Vaccinium vitis-idaea*, *V. myrtillus*, *Linnaea borealis*, *Hylocomium splendens*, *Pleurozium schreberi*, *Dicranum* sp., *Polytrichum commune* etc., 20.VIII.1999, leg. A.R.; 2 ♀♀, Bolshoy Yugan River, near cordon Kamennyi. Water-logged forest with *Picea*, *Abies*, *Pinus sylvestris*, young *Pinus sibirica*, aspen, *Betula*, *Ledum*, *Hylocomium splendens*, *Pleurozium schreberi*, *Sphagnum* spp., *Polytrichum* spp., *Carex* spp., Gramineae, *Linnaea borealis*, *Vaccinium vitis-idaea*, *V. myrtillus*, 24.VIII.1999, leg. A.R.; 3 ♂♂, Malyi Yugan River Basin, 3–5 km SW of cordon at Kol-Kotchen-Yagun River, near lake. Moss and litter under *Pinus sibirica*, *P. sylvestris*, young *Abies* with *Hylocomium splendens*, *Pleurozium schreberi*, *Dicranum* sp., *Vaccinium myrtillus*, *V. vitis-idaea*, *Linnaea borealis*, sparse *Ledum* on low knoll, 09.IX.1999, leg. A.R.; 3 ♀♀, Malyi Yugan River Basin, 3–5 km SW of cordon at Kol-Kotchen-Yagun River, near lake. Moss and litter in pine forest with *Betula*, *Pinus sibirica*, *Ledum*, *Chamaedaphne calyculata*, *Vaccinium vitis-idaea*, *Sphagnum* spp., *Pleurozium schreberi*, *Dicranum* sp., *Polytrichum commune* (here and there) et al., 14.IX.1999, leg. A.R.; 5 ♀♀, Malyi Yugan River Basin, 3–5 km SW of cordon at Kol-Kotchen-Yagun River, near lake. Moss and litter under *Pinus*

sibirica, *Picea*, *Betula*, *Pinus sylvestris* with *Vaccinium myrtillus*, *V. vitis-idaea*, *Lycopodium*, *Equisetum sylvaticum*, *Rosa* sp., *Pleurozium schreberi* on gentle slope, 20.IX.1999, leg. A.R.; 1 ♂, 2 ♀♀, Vuya-Yany River near Ay-Vuya-Yany River mouth. Mosses and litter in forest at crest line: *Pinus sibirica*, *P. sylvestris*, *Picea obovata*, *Abies sibirica*, *Vaccinium vitis-idaea*, *V. myrtillus*, *Linnaea borealis*, *Trientalis europaea*, *Equisetum sylvaticum*, *Pleurozium schreberi*, *Hylocomium splendens*, *Dicranum* sp., *Diphasiastrum* sp., 18.VIII.2000, leg. A.R.; 3 ♀♀, Vuya-Yany River near Ay-Vuya-Yany River mouth. Mosses and litter in forest at crest line: *Pinus sibirica*, *P. sylvestris*, *Picea obovata*, *Abies sibirica*, *Vaccinium vitis-idaea*, *V. myrtillus*, *Linnaea borealis*, *Trientalis europaea*, *Equisetum sylvaticum*, *Pleurozium schreberi*, *Hylocomium splendens*, *Dicranum* sp., *Diphasiastrum* sp., 21.VIII.2000, leg. A.R.; 3 ♂♂, 4 ♀♀, Vuya-Yany River Basin near Ay-Vuya-Yany River mouth (2 km E of cordon). Mosses and litter under *Picea obovata*, *Pinus sibirica*, *P. sylvestris*, *Betula* on flood-plain of rill with *Pleurozium schreberi*, *Hylocomium splendens*, *Sphagnum girgensohnii*, *Polytrichum commune*, *Equisetum sylvaticum*, *Carex globularis*, *Linnaea borealis*, *Vaccinium vitis-idaea*, *Oxalis acetosella* etc., 21.VIII.2000, leg. A.R.; 2 ♀♀, Nyogus'yakh River near Kogontchina-2 field research station. Mosses and litter under *Betula*, *Abies sibirica*, *Picea obovata*, *Pinus sibirica* with *Hylocomium splendens*, *Linnaea borealis*, *Oxalis acetosella*, *Maianthemum bifolium*, *Pyrola* sp., *Trientalis europaea*, *Equisetum pratense*, *Eq. sylvaticum* etc., on 1st fluvial terrace above flood-plain, 29.VIII.2000, leg. A.R.; 2 ♂♂, 5 ♀♀, Yuganskiy Reserve, Nyogus'yakh River near Kogontchina-2 field research station. Mosses and peat under *Carex globularis* near small forest swamp on island in the middle of large high moor, 02.IX.2000, leg. A.R.; 2 ♀♀, Nyogus'yakh River near Petchpan'yakh River mouth. Mosses and litter under *Abies sibirica*, *Betula*, *Pinus sibirica*, *Sorbus sibirica* with *Hylocomium splendens*, *Pleurozium schreberi*, Gramineae, *Equisetum pratense*, *Eq. sylvaticum*, *Maianthemum bifolium*, *Trientalis europaea*, *Linnaea borealis*, *Vaccinium vitis-idaea* etc., in flood-plain forest on natural levee, 09.IX.2000, leg. A.R.; 6 ♂♂, 3 ♀♀, near S border of buffer area of Yuganskiy Reserve, rill between Kolylnor Lake and Koimlor (Krimlor) Lake. Mosses and litter under *Pinus sibirica* in forest at the rill bank *Lycopodium* sp., ferns, *Linnaea borealis*, *Vaccinium vitis-idaea*, *Orthilia secunda*, *Pleurozium schreberi*, *Hylocomium splendens*, *Dicranum* sp., *Polytrichum* sp., *Calamagrostis* sp., sparse *Ledum palustre* etc., 04.IX.2001, leg. A.R.; 2 ♀♀, Kol-Kotchen-Yagun River (confluent of Malyy Yugan River) E of cordon. Loamy river bank with *Carex* spp., Gramineae, *Equisetum* spp., small *Rosa* sp. & *Salix* sp. etc., 16.IX.2001, leg. A.R.; 1 ♂, Kol-Kotchen-Yagun River Basin (confluent of Malyy Yugan River), lake near cordon. Tussocks with *Carex* spp., *Calamagrostis* sp., *Comarum palustre* between sparse *Betula* and *Pinus sylvestris* at NW shore of lake: *Sphagnum centrale*, *Sph. girgensohnii*, *Sph. aongstroemii*, *Sph.* spp., *Climacium dendroides*, *Plagiommium* sp., *Salix* sp., *Spiraea* sp. etc., 17.IX.2001, leg. A.R.; 2 ♀♀, Kol-Kotchen-Yagun River Basin (confluent of Malyy Yugan River), lake near cordon. Overgrown mesotrophic swamp with *Pinus sylvestris*, *P. sibirica*, *Betula*, *Picea obovata*: open plots of *Sphagnum girgensohnii*, *Sph. russowii*, *Sph.* sp., *Polytrichum commune* with *Carex globularis*, *Equisetum sylvaticum*, *Ledum palustre* etc., 19.IX.2001, leg. A.R.; 1 ♀, Kol-Kotchen-Yagun River Basin (confluent of Malyy Yugan River), lake near cordon. Mosses and litter under *Pinus sylvestris*, *P. sibirica*, *Picea obovata* in forest near cordon: *Ledum palustre*, *Chamaedaphne calyculata*, *Pleurozium schreberi*, *Hylocomium splendens*, *Dicranum* sp., *Polytrichum commune*, *Vaccinium vitis-idaea*, *V. myrtillus*, spots of *Sphagnum girgensohnii* and *Sph. russowii* et al., 25.IX.2001, leg. A.R.; 1 ♀, Kol-Kotchen-Yagun River Basin (confluent of Malyy Yugan River), lake near cordon. Mosses and litter under *Pinus sylvestris*, *P. sibirica* and elfin wood of *Abies sibirica* with *Vaccinium vitis-idaea*, *V. myrtillus*, *Linnaea borealis*, *Pleurozium schreberi*, *Hylocomium splendens*, *Dicranum* sp., *Lycopodium* sp., sparse *Ledum palustre* et al., in forest on hill crest NW of lake, 01.X.2001, leg. A.R.; 4 ♂♂, Kol-Kotchen-Yagun River Basin (confluent of Malyy Yugan River), lake near cordon. Mosses and litter under *Pinus sibirica*, *P. sylvestris* and *Picea obovata* with *Sphagnum girgensohnii*, *Vaccin-*

ium vitis-idaea, *V. myrtillus*, *Hylocomium splendens*, *Pleurozium schreberi*, *Dicranum* sp., *Ledum palustre*, *Chamaedaphne calyculata* et al., in forest near NE shore of lake, 01.X.2001, leg. A.R.; 1 ♂, 2 ♀♀, Ay-Magromsy River Basin, Medvezhyi Ugol cordon, mosses and litter under *Populus tremula*, *Pinus sibirica*, *Picea obovata*, *Pinus sylvestris* with *Abies thicket*, *Hylocomium splendens*, *Pleurozium schreberi*, *Dicranum polysetum*, *Polytrichum commune*, *Equisetum sylvaticum*, *Vaccinium vitis-idaea*, *Linnaea borealis* etc., (+3C?, after first snowfall), 13.IX.2002, leg. A.R.; 2 ♂♂, 3 ♀♀, Ay-Magromsy River Basin, Medvezhyi Ugol cordon, mosses and litter under *Pinus sylvestris*, *P. sibirica*, *Picea obovata*, *Betula* with *Vaccinium vitis-idaea*, *V. myrtillus*, *Pleurozium schreberi*, *Hylocomium splendens*, *Dicranum polysetum*, *Sphagnum ?warnstorffii*, *Linnaea borealis*, *Equisetum sylvaticum* etc., under aspen trunk, and under mosses, lichens, bark scales on bases of pine trees, 18.IX.2002, leg. A.R.; 1 ♂, Ay-Magromsy River Basin, Medvezhyi Ugol cordon, mosses and litter at rill bank and on flood-plain of rill: *Calamagrostis* sp., *Ribes* spp., *Rosa* sp., *Filipendula ulmaria*, *Matteuccia struthiopteris*, *Equisetum sylvaticum*, *Sphagnum squarrosum*, *Sph. girgensohnii*, *Sph.* spp., *Plagiommium* sp. etc., 20.IX.2002, leg. A.R.; 1 ♀, Ay-Magromsy River Basin, Medvezhyi Ugol cordon, mosses and litter under *Betula* and *Pinus sylvestris* on swampy plate at border of the reserve (about 1 km N of the cordon) with *Hylocomium splendens*, *Pleurozium schreberi*, *Carex globularis*, *Polytrichum commune*, *Sphagnum* spp., *Linnaea borealis*, *Equisetum sylvaticum* etc., (+6C?), 27.IX.2002, leg. A.R.; 1 ♀, Ay-Magromsy River Basin, 1 km N of Medvezhyi Ugol cordon, mosses and litter on flood-plain of rill with *Calamagrostis* sp., *Filipendula ulmaria*, *Spiraea* sp., *Equisetum sylvaticum*, *Plagiommium* sp., *Sphagnum* spp. etc., (+5C?), 05.X.2002, leg. A.R.; 3 ♂♂, 6 ♀♀, Ay-Magromsy River Basin, Medvezhyi Ugol cordon, mosses and litter among *Abies*, *Picea* and *Betula* on gentle slope near SW edge of sedge-mossy swamp: *Ledum palustre*, *Vaccinium vitis-idaea*, *Hylocomium splendens*, *Pleurozium schreberi*, *Polytrichum commune*, *Sphagnum ?russowii*, *Sph.* spp. etc., (+3C?), 28.IX.2002, leg. A.R.; 4 ♂♂, 3 ♀♀, Malyy Yugan River, near cordon below Lyarykni River mouth, mosses and litter in forest near river bank: *Pleurozium schreberi*, *Hylocomium splendens*, *Dicranum polysetum*, sparse *Polytrichum commune*, spots of *Sphagnum girgensohnii*, *Linnaea borealis*, *Vaccinium vitis-idaea*, *Equisetum sylvaticum*, *Maianthemum bifolium*, *Carex globularis*, *Rubus saxatilis*, *Trientalis europaea*, Poaceae, *Oxalis acetosella* etc., under *Pinus sibirica*, *P. sylvestris*, *Abies*, *Picea*, *Betula*, *Populus tremula*, 18.VIII.2003, leg. A.R.

6 ♀♀, Tobolsk Field Research Station, mosses and litter under *Betula*, *Pinus sibirica*, *Abies* with *Carex globularis*, *Linnaea borealis*, *Maianthemum bifolium*, *Vaccinium vitis-idaea*, *V. myrtillus*, *Equisetum sylvaticum*, *Hylocomium splendens*, *Pleurozium schreberi*, *Dicranum polysetum*, *Sphagnum girgensohnii*, *Sph. russowii*, *Sph. warnstorffii*, *Lycopodium* sp., *Diplazium sibiricum*, *Oxalis acetosella*, *Rubus idaeus*, *R. saxatilis* etc., 24.IX.2003, leg. A.R.; 1 ♀, near Gornoslinskino, right bank of Irtysh River, mosses and litter in Pine-Ledum sparse forest with *Chamaedaphne calyculata*, *Salix* spp., *Vaccinium uliginosum*, *V. vitis-idaea*, *Oxycoccus* sp., *Rubus chamaemorus*, *Carex* spp., *Eriophorum* sp., Poaceae, *Sphagnum ?balticum*, *Sph. ?russowii*, *Sph. magellanicum*, *Sph. fuscum*, *Pleurozium schreberi*, *Dicranum polysetum* etc., 12.VI.2004, leg. A.R.

6 ♂♂, 9 ♀♀, Luginetsky, *Abies*, *Picea*, *Betula* forest, in moss, VIII.1998, leg. A.T.; 5 ♂♂, 12 ♀♀, *Picea* & *Betula* forest, in moss, 22–28.VIII.1998, leg. A.T.; 6 ♀♀, swampy spruce (*Picea*) forest, in moss, 25.VIII.1998, leg. A.T.; 5 ♂♂, 8 ♀♀, *Picea*, *Abies* & *Betula* forest, in moss, 26.VIII.1998, leg. A.T.

4 ♂♂, 13 ♀♀, Noyabrskiy, dry *Pinus* forest, *Ledum*, *Vaccinium vitis-idaea*, *V. uliginosum*, *Empetrum*, moss & lichen (*Cladina* & *Cetraria*), 12&20.VIII.2000, leg. A.T.; 5 ♂♂, 3 ♀♀, dry *Pinus* forest, *Ledum*, *Vaccinium vitis-idea*, *V. uliginosum*, *Empetrum*, in *Cladina* pads, 10.VIII.2000, leg. A.T.; 2 ♂♂, 4 ♀♀, *Picea* wood, moss & lichen, 16.VIII.2000, leg. A.T.

11 ♂♂, 23 ♀♀, Nefteyugansk, mixed forests: *Abies*, *Pinus sibirica*, *Picea*, *Betula* with *Equisetum*, *Vaccinium* spp., *Empetrum*, mosses, VIII.2001, leg. A.T.

1 ♂, Tyumen, VI.2000, leg. U.

DISTRIBUTION. Pan-Holarctic.

Diplocentria rectangulata (Emerton, 1915)

1996 *Microcentria pusilla*, Esyunin, Ekosistemy Srednego Priob'ya, 1, p. 72.

DISTRIBUTION. Pan-Holarctic.

Diplocephalus subrostratus (O. Pickard-Cambridge, 1873)

1996 *Diplocephalus subrostratus*, Esyunin, Ekosistemy Srednego Priob'ya, 1, p. 72.

MATERIAL. 1 ♂, Surgutskiy Refuge, Ob' River Basin, Materikovyi Pasi Channel. Litter between Gramineae and *Equisetum* spp. under bushes and young *Populus tremula* at small river bank, 05.VIII.2000, leg. A.R.

1 ♂, Yuganskiy Reserve, Nyogus'yakh River near Kogontchina-2 field research station. Swampy bank of old river channel: *Carex hummocks*, Gramineae, *Filipendula ulmaria*, *Comarum palustre*, *Padus*, *Rosa* sp., *Salix* sp., true mosses etc., 01.IX.2000, leg. A.R.; 2 ♂♂, Vuya-Yany River near Ay-Vuya-Yany River mouth. Mosses and litter in forest at crest line: *Pinus sibirica*, *P. sylvestris*, *Picea obovata*, *Abies sibirica*, *Vaccinium vitis-idaea*, *V. myrtillus*, *Linnaea borealis*, *Trientalis europaea*, *Equisetum sylvaticum*, *Pleurozium schreberi*, *Hylocomium splendens*, *Dicranum* sp., *Diphasiastrium* sp., 21.VIII.2000, leg. A.R.; 1 ♂, Nyogus'yakh River near Kogontchina-2 field research station. Mosses and litter under *Betula*, *Abies sibirica*, *Picea obovata*, *Pinus sibirica* with *Hylocomium splendens*, *Linnaea borealis*, *Oxalis acetosella*, *Majanthemum bifolium*, *Pyrola* sp., *Trientalis europaea*, *Equisetum pratense*, *Eq. sylvaticum* etc., on 1st fluvial terrace above flood-plain, 29.VIII.2000, leg. A.R.; 1 ♂, Nyogus'yakh River Basin near Petchpan'yakh River mouth. Mosses and litter in swampy flood-plain forest, between *Betula*, *Abies sibirica*, *Picea obovata*, *Salix* sp., *Pinus sibirica* etc.: tussocks of *Carex* spp., *Filipendula ulmaria*, Gramineae, *Comarum palustre*, *Menyanthes trifoliata*, *Plagiomnium* sp., *Aulacomnium* sp., *Climacium dendroides* etc., 12.IX.2000, leg. A.R.; 2 ♂♂, Kol-Kotchen-Yagun River (confluent of Mal'yi Yugan River) NE of cordon. Swampy flood-plain birch forest: tussocks of *Carex* spp. & Gramineae, *Comarum palustre*, *Filipendula ulmaria*, Ranunculaceae, *Sphagnum girgensohnii*, *Sph.* spp., *Climacium dendroides*, *Plagiomnium* sp. etc., 23.IX.2001, leg. A.R.; 1 ♂, 2 ♀♀, right riverside of Bolshoy Yugan River near cordon Kamennyi. Mosses and litter in forest with *Picea obovata*, *Abies sibirica*, *Pinus sibirica*, *Carex* spp. and Gramineae with *Sphagnum girgensohnii*, *Sph.* spp., *Polytrichum commune* etc., in waterlogged birch forest on flood-plain, 21.VIII.2002, leg. A.R.

1 ♂, Tyumen, VI.2000, leg. U.

DISTRIBUTION. Northeastern Europe (tundra), the Urals; in Siberia from West Siberia to Chukotka, Cisokhotia, Kamchatka, the Kurile Islands; mountains of South Siberia, Sakhalin. Widespread in the Nearctic.

Diplostyla concolor (Wider, 1834)

MATERIAL. 1 ♂, Yuganskiy Reserve, Mal'yi Yugan River, cordon below Lyarykni River mouth, open swamp with tussocks of *Carex* spp. and *Calamagrostis* sp. with *Comarum palustre*, *Salix* sp., *Sphagnum squarrosum*, *Sph.* spp., *Aulacomnium* sp. etc., between sparse young *Betula*, 17.VIII.2003, leg. A.R.

1 ♀, Tobolsk Field Research Station, mosses and litter under *Betula* with *Carex globularis*, *Pleurozium schreberi*, *Linnaea borealis*, *Pyrola* sp., *Rubus idaeus* etc., on gentle slope near crest of Spartakovskaya Mt., 25.IX.2003, leg. A.R.; 1 ♀, steep right bank of Irtysh River up-stream of Tobolsk Field Research Station, small mosses and litter among *Tussilago farfara* on clay

and loam. 17.IX.2003, leg. A.R.; 1 ♀, steep right bank of Irtysh River up-stream of Tobolsk Field Research Station, small mosses and litter among *Tussilago farfara* on clay and loam, 03.X.2003, leg. A.R.

1 ♂, 4 ♀♀, Nefteyugansk, mixed forests: *Abies*, *Pinus sibirica*, *Picea*, *Betula* with *Equisetum*, *Vaccinium* spp., *Empetrum*, mosses, VIII.2001, leg. A.T.

DISTRIBUTION. Widespread in Europe, recorded in the Crimea and the Caucasus, eastern Kazakhstan; in Siberia known from the Urals eastward to Yenisey River, registered from the Altai Mts, South Siberia. This is the first record in West Siberia.

Dismodicus bifrons (Blackwall, 1841)

MATERIAL. 1 ♂, 1 ♀, Tobolsk Field Research Station, flood-plain swamp near left bank of Irtysh River: *Carex* spp., *Comarum palustre*, *Salix* sp., *Climacium dendroides*, small true mosses, *Lemna* sp. etc., 09.VI.2004, leg. A.R.

1 ♀, Tyumen, VI.2000, leg. U.

DISTRIBUTION. Widespread in Europe, in Siberia known from the Urals eastward to Chukotka; through the mountains of South Siberia via the Lake Baikal region eastward to Khabarovsk Prov.; known also from Mongolia.

Dismodicus elevatus (C.L. Koch, 1838)

1996 *Dismodicus elevatus*, Esyunin, Ekosistemy Srednego Priob'ya, 1, p. 72.

DISTRIBUTION. Europe, known also in the Urals and West Siberia.

Drapetisca socialis (Sundevall, 1932)

1996 *Drapetisca socialis*, Esyunin, Ekosistemy Srednego Priob'ya, 1, p. 70.

MATERIAL. 1 ♂, Tobolsk Field Research Station, mosses and litter in forest with *Abies*, *Picea*, *Betula*, *Carex globularis*, *Calamagrostis* sp., *Equisetum sylvaticum*, *Pyrola* sp., *Maianthemum bifolium*, *Linnaea borealis*, *Oxalis acetosella*, *Solidago* sp., *Lathyrus* sp., *Lonicera* sp., *Hylocomium splendens*, *Pleurozium schreberi*, *Dicranum polysetum* etc., 13.IX.2003, leg. A.R.

1 ♀, Tyumen, VI.2000, leg. U.

DISTRIBUTION. Widespread in Europe, known in the Urals and the Caucasus; in Asia: Middle Asia; West and Middle Siberia, Kamchatka, Sakhalin, eastern Kazakhstan and Altai Mts. Southern part of Khabarovsk Prov.(?), Maritime Prov.(?), China (?), Japan (?). This is the first record in West Siberia.

Drepanotylus borealis (Holm, 1945)

MATERIAL. 2 ♂♂, 1 ♀, Yuganskiy Reserve, Nyogus'yakh River, cordon Bisarkina. Moss and litter on swamp amid flood plain forest near foot of slope: *Menyanthes trifoliata*, *Equisetum* spp., *Sphagnum squarrosum* (sparse), *Sph. ?centrale*, *Sph.* spp., *Nardosmia frigida*, *Carex* spp., Gramineae, *Salix* sp., *Comarum palustre*, *Filipendula ulmaria*, *?Tomenthypnum* sp., *Plagiomnium* sp. etc., 27.X.1998, leg. A.R.; 2 ♀♀, Mal'yi Yugan River Basin, Kol-Kotchen-Yagun River, 1 km S of cordon. Mosses and litter on small sedge-mossy swamp near river bank: *Carex* spp., *Sphagnum ?girgensohnii*, *Sph. ?riparium*, *Plagiomnium* sp. et al., 24.IX.1999, leg. A.R.; 1 ♀, Nyogus'yakh River Basin near Petchpan'yakh River mouth, N shore of great lake. Mosses, litter, shaking off from grass: *Carex* spp., Gramineae, *Comarum palustre*, *Salix* sp., *?Aulacomnium* sp., *Plagiomnium* sp. etc.,

08.IX.2000, leg. A.R.; 1 ♀, Ay-Magromsy River Basin, 1 km N of Medvezhyi Ugol cordon, mosses and litter on flood-plain of rill with *Calamagrostis* sp., *Filipendula ulmaria*, *Spiraea* sp., *Equisetum sylvaticum*, *Plagiomnium* sp., *Sphagnum* spp. etc., (+5C?), 05.X.2002, leg. A.R.

DISTRIBUTION. Northern Europe; in Siberia known from the Urals eastward to Cisokhotia, the mountains of South Siberia, the Kurile Islands and Sakhalin.

Drepanotylus holmi (Eskov, 1981)

MATERIAL. 3 ♀♀, near Ugut, Ugutka River Basin. Mosses and litter at forest with *Pinus sylvestris*, *Betula*, *Ledum palustre*, *Vaccinium myrtillus*, *V. vitis-idaea*, *Dicranum* sp., *Pleurozium schreberi*, *Hylocomium splendens*, underwood of *Pinus sibirica* etc., 11.X.1998, leg. A.R.

2 ♀♀, Yuganskiy Reserve, Nyogus'yakh River, cordon Bisarkina. Moss and litter on swamp amid flood plain forest near foot of slope: *Menyanthes trifoliata*, *Equisetum* spp., *Sphagnum squarrosum* (sparse), *Sph. ?centrale*, *Sph.* spp., *Nardosmia frigida*, *Carex* spp., Gramineae, *Salix* sp., *Comarum palustre*, *Filipendula ulmaria*, *?Tomenthypnum* sp., *Plagiomnium* sp. etc., 27.X.1998, leg. A.R.; 1 ♀, Nyogus'yakh River, cordon Bisarkina. Moss and litter under *Betula*, *Picea*, *Pinus sibirica* on swamp amid flood plain forest near foot of slope, 27.X.1998, leg. A.R.; 1 ♂, Yuganskiy Reserve, Vuya-Yany River near Ay-Vuya-Yany River mouth. Flood-plain depression: *Filipendula ulmaria*, *Carex* sp., Gramineae, *Spiraea* sp., *Ribes nigrum*, *Comarum palustre*, *Sphagnum squarrosum*, *Sph. girgensohnii*, *Climacium dendroides*, *Aulacomnium* sp., *Plagiomnium* sp. etc., 24.VIII.2000, leg. A.R.; 1 ♀, Nyogus'yakh River Basin near Petchpan'yakh River mouth, N shore of great lake. Mosses, litter, shaking off from grass: *Carex* spp., Gramineae, *Comarum palustre*, *Salix* sp., *?Aulacomnium* sp., *Plagiomnium* sp. etc., 08.IX.2000, leg. A.R.; 1 ♂, Nyogus'yakh River Basin near Petchpan'yakh River mouth. Mosses and litter on large swamp: *Carex* spp., *Comarum palustre*, *Equisetum* sp., *Eriophorum* sp., Gramineae, *Rumex* sp., *?Aulacomnium* sp., *Plagiomnium* sp., *Ptilium crista-castrensis*, *Sphagnum* sp., *Chamaenerium angustifolium*, sparse *Betula* & *Salix* sp., spots of dwarf birch on hummocks etc., 11.IX.2000, leg. A.R.; 2 ♀♀, Nyogus'yakh River Basin near Petchpan'yakh River mouth. Mosses and litter on large swamp: *Carex* spp., *Comarum palustre*, *Equisetum* sp., *Eriophorum* sp., Gramineae, *Rumex* sp., *?Aulacomnium* sp., *Plagiomnium* sp., *Ptilium crista-castrensis*, *Sphagnum* sp., *Chamaenerium angustifolium*, *Betula* and *Salix* sp. etc., 13.IX.2000, leg. A.R.; 1 ♀, Nyogus'yakh River Basin near Petchpan'yakh River mouth. Mosses and litter on large swamp: *Carex* spp., *Comarum palustre*, *Equisetum* sp., *Nardosmia frigida*, *Eriophorum* sp., Gramineae, *Rumex* sp., *?Aulacomnium* sp., *Plagiomnium* sp., *Ptilium crista-castrensis*, *Sphagnum* sp., *Chamaenerium angustifolium*, *Sph.* sp., *Salix* sp. etc., 15.IX.2000, leg. A.R.; 1 ♂, 2 ♀♀, Nyogus'yakh River Basin near Petchpan'yakh River mouth. Mosses and litter on large open swamp: *Sphagnum ?angustifolium*, *Sph. ?girgensohnii*, *Sph. ?russowii*, *Sph.* sp., dwarf birch, *Oxycoccus* spp., Gramineae, *Carex* spp., *Comarum palustre*, *Equisetum* sp., *?Aulacomnium* sp., *Plagiomnium* sp., *Ptilium crista-castrensis* etc., 24.IX.2000, leg. A.R.; 1 ♀, Bolshoy Yugan River, 6–7 km below Sugmuten'yakh River mouth. Mosses and litter on overgrown swamp and swamped winter road with *Pinus sylvestris*, *Betula*, *Chamaedaphne*, *Ledum*, *Eriophorum* sp., *Sphagnum fuscum*, *Sph. magellanicum*, *Sph. ?balticum*, *Sph.* spp., *Oxycoccus* sp., *Vaccinium uliginosum*, *Pleurozium schreberi* etc., 20.VIII.2001, leg. A.R.; 4 ♀♀, Bolshoy Yugan River, 6–7 km below Sugmuten'yakh River mouth. Mosses and litter between sedges and Gramineae on swamped winter road with *Carex* spp., *Calamagrostis* sp., *Sphagnum girgensohnii*, *Sph.* spp. etc., 20.VIII.2001, leg. A.R.; 1 ♂, Bolshoy Yugan River, 6–7 km below Sugmuten'yakh River mouth. Mosses and litter between sedges and Gramineae on swamped winter road with *Carex* spp., *Calamagrostis* sp., *Sphagnum girgensohnii*, *Sph.* spp. etc., and on the plot without *Sphagnum* spp., 21.VIII.2001, leg. A.R.; 1 ♀, near S border of buffer area of Yuganskiy Reserve, Kolylnor

Lake. Lake shore: *Carex* spp., Gramineae, *Sphagnum* spp. etc., 29.VIII.2001, leg. A.R.; 5 ♀♀, near S border of buffer area of Yuganskiy Reserve, Koimlor (Krimlor) Lake. Mosses and litter in tussocks between sparse *Betula* and *Salix* sp. near lake shore: *Carex* spp., Gramineae, *Sphagnum squarrosum*, *Sph. centrale*, *Sph. girgensohnii*, *Comarum palustre*, sparse *Equisetum* sp. 02.IX.2001, leg. A.R.; 2 ♀♀, Ay-Magromsy River Basin, Medvezhyi Ugol cordon, mosses and litter at rill bank: *Carex rhynchophysa*, *Sphagnum* spp., *Plagiomnium* sp. etc., 16.IX.2002, leg. A.R.; 1 ♀, Yuganskiy Reserve, Ay-Magromsy River Basin, Medvezhyi Ugol cordon, sweeping on *Carex rostrata*, *C.* spp., Gramineae, *Eriophorum* sp. etc., mosses and litter at border of sedge-mossy swamp (including rill source): *Carex rostrata*, *C.* spp., *Sphagnum girgensohnii*, *Sph.* spp., *Equisetum* spp., *Oxycoccus* spp., *Chamaedaphne calyculata*, *Comarum palustre*, *Calamagrostis* sp., *Menyanthes trifoliata* etc., among sparse young birches, 19.IX.2002, leg. A.R.; 1 ♀, Ay-Magromsy River Basin, Medvezhyi Ugol cordon, mosses and litter near rill: *Plagiomnium* sp., *Sphagnum squarrosum*, *Sph. centrale*, *Sph. girgensohnii*, *Sph. warnstorffii*, *Calamagrostis* sp., *Carex* sp. among sparse *Salix* sp. and birches, (+3C?), 28.IX.2002, leg. A.R.; 3 ♀♀, Malyi Yugan River, cordon below Lyarykni River mouth, open swamp with tussocks of *Carex* spp. and *Calamagrostis* sp. with *Comarum palustre*, *Salix* sp., *Sphagnum squarrosum*, *Sph.* spp., *?Aulacomnium* sp. etc., between sparse young *Betula*, 17.VIII.2003, leg. A.R.

1 ♀, Tobolsk Field Research Station, mosses and litter and in sweeping on small swamp with *Carex* spp., Poaceae, *Sphagnum girgensohnii*, *Sph. squarrosum*, *Sph. ?riparium*, *Sph. ?balticum*, *Sph. centrale* etc., 10.VI.2004, leg. A.R.

DISTRIBUTION. This species has hitherto been known from the middle flow region of Yenisey River eastward to Chukotka and Cisokhotia; recorded in Sayan and Mongolia. This is the first record in West Siberia.

Drepanotylus uncatus (O. Pickard-Cambridge, 1872)

1996 *Drepanotylus uncatus*, Esyunin, Ekosistemy Srednego Priob'ya, 1, p. 70.

MATERIAL. 1 ♀, Surgutskiy Refuge, Ob' River Basin, Materikovyi Pasi Channel, 2 km S of cordon. Mosses and litter on swamp with *Sphagnum* spp., *Carex* spp., *Eriophorum* sp., *Ledum*, *Betula ?rotundifolia*, *Aulacomnium* sp., *Hypnum* sp., *Polytrichum* sp., sparse *Pinus sylvestris*, *Betula* sp., *Populus tremula* etc., 09.VIII.2000, leg. A.R.

1 ♂, Yuganskiy Reserve, Malyi Yugan River Basin, 3–5 km SW of cordon at Kol-Kotchen-Yagun River, near lake. Mosses on swamp near N shore of lake: *Sphagnum* spp., *Carex* spp., *Eriophorum* sp., *Chamaedaphne calyculata*, *Andromeda polifolia*, *Oxycoccus* spp., *Vaccinium uliginosum* et al., 18.IX.1999, leg. A.R.; 4 ♂♂, 1 ♀, Nyogus'yakh River Basin near Petchpan'yakh River mouth. Mosses and litter on large swamp: *Carex* spp., *Comarum palustre*, *Equisetum* sp., *Eriophorum* sp., Gramineae, *Rumex* sp., *?Aulacomnium* sp., *Plagiomnium* sp., *Ptilium crista-castrensis*, *Sphagnum* sp., *Chamaenerium angustifolium*, sparse *Betula* & *Salix* sp., spots of dwarf birch on hummocks etc., 11.IX.2000, leg. A.R.; 1 ♂, Nyogus'yakh River Basin near Petchpan'yakh River mouth. Mosses and litter on large swamp: *Carex* spp., *Comarum palustre*, *Equisetum* sp., *Eriophorum* sp., Gramineae, *Rumex* sp., *?Aulacomnium* sp., *Plagiomnium* sp., *Ptilium crista-castrensis*, *Sphagnum* sp., *Chamaenerium angustifolium*, sparse *Betula* and *Salix* sp. etc., 13.IX.2000, leg. A.R.; 1 ♀, Nyogus'yakh River Basin near Petchpan'yakh River mouth. Mosses and litter on large swamp: *Carex* spp., *Comarum palustre*, *Equisetum* sp., *Nardosmia frigida*, *Eriophorum* sp., Gramineae, *Rumex* sp., *?Aulacomnium* sp., *Plagiomnium* sp., *Ptilium crista-castrensis*, *Sphagnum* sp., *Chamaenerium angustifolium*, *Sphagnum ?russowii*, *Sph.* sp., *Salix* sp. etc., 15.IX.2000, leg. A.R.; 3 ♀♀, near S border of buffer area of Yuganskiy Reserve, Kolylnor Lake. Mosses and litter under *Betula*, *Pinus sylvestris* and *Pinus sibirica* in swamped forest near W shore of lake and between

Carex spp. with *Sphagnum girgensohnii* at the lake shore, 01.IX.2001, leg. A.R.; 1 ♂, Ay-Magromsy River Basin, Medvezhiy Ugol cordon, mosses and litter at swamp border: *Carex rostrata*, *Sphagnum girgensohnii*, *Sph.* spp. etc., among sparse young birches, 11.IX.2002, leg. A.R.; 1 ♂, Ay-Magromsy River Basin, Medvezhiy Ugol cordon, sweeping on *Carex rostrata*, *C.* spp., mosses and litter at swamp border: *Carex rostrata*, *Sphagnum girgensohnii*, *Sph.* spp. etc., among sparse young birches, (+7C?), 15.IX.2002, leg. A.R.; 6 ♀♀, Ay-Magromsy River Basin, Medvezhiy Ugol cordon, mosses and litter at rill bank: *Carex rhynchophylla*, *Sphagnum* spp., *Plagiomnium* sp. etc., 16.IX.2002, leg. A.R.; 2 ♂♂, 1 ♀, Ay-Magromsy River Basin, Medvezhiy Ugol cordon, mosses and litter at southern border of sedge-mossy swamp: *Carex rostrata*, *C.* spp., *Comarum palustre*, *Equisetum* spp., *Sphagnum girgensohnii*, *Sph.* spp., *Plagiomnium* sp., *Aulacomnium* sp., *Calamagrostis* sp., *Menyanthes trifoliata* etc., among sparse young birches, 21.IX.2002, leg. A.R.; 1 ♀, Ay-Magromsy River Basin, Medvezhiy Ugol cordon, mosses and litter in tussocks of *Carex* sp. with *Sphagnum squarrosum*, *Sph. centrale*, *Sph. girgensohnii*, *Sph. ?russowii*, *Plagiomnium* sp. etc., and also sweeping on *Carex rhynchophylla* among swampy birch forest at SW border of the reserve, 21.IX.2002, leg. A.R.

1 ♀, Noyabrsky, *Salix* bushes along brook, litter, 15.VIII.2000, leg. A.T.

DISTRIBUTION. Europe, the Urals, West Siberia.

Entelecara erythropus (Westring, 1851)

MATERIAL. 1 ♀, Samotlor, dump in outskirts, Aug. 1999, A.T. leg.

DISTRIBUTION. Europe, in Siberia known from the Urals to Yenisey River; from eastern Kazakhstan through the mountains of South Siberia via the Lake Baikal region eastward to Khabarovsk Prov. This is the first record in West Siberia.

Erigone atra Blackwall, 1833

1996 *Erigone atra*, Esysunin, Ekosistemy Srednego Priob'ya, 1, p. 72.

MATERIAL. 1 ♀, Yuganskiy Reserve, Vuya-Yany River near Ay-Vuya-Yany River mouth. Clay river banks near mouth of small left confluent (500 m lower of field research station): *Carex* spp., Gramineae, *Mentha* sp., ?*Trollius* sp. etc., 25.VIII.2000, leg. A.R.

3 ♂♂, 2 ♀♀, Tobolsk Field Research Station, flood-plain swamp near left bank of Irtysh River: *Carex* spp., *Comarum palustre*, *Salix* sp., *Climacium dendroides*, small true mosses, *Lemna* sp. etc., 15.IX.2003, leg. A.R.; 1 ♂, mosses and litter under *Betula*, *Pinus sibirica*, *Alnus*, *Abies* with *Carex globularis*, *Oxalis acetosella*, *Linnaea borealis*, *Delphinium* sp., *Maianthemum bifolium*, *Pyrola* sp., *Rubus saxatilis*, sparse *Pleurozium schreberi* etc., on gentle slope near Varpak River, 22.IX.2003, leg. A.R.; 1 ♂, 2 ♀♀, flood-plain swamps of left bank of Irtysh River with *Salix* sp., *Betula*, *Carex* spp., *Comarum palustre*, *Climacium dendroides*, *Aulacomnium palustre*, *Sphagnum girgensohnii*, *Sph. ?russowii*, *Sph. centrale*, *Sph. squarrosum* etc., 27.IX.2003, leg. A.R.; 2 ♀♀, gentle sandy left bank of Irtysh River with clayish spots: among *Equisetum* sp., 15.IX.2003, leg. A.R.; 2 ♂♂, steep right bank of Irtysh River up-stream of Tobolsk Field Research Station, small mosses and litter among *Tussilago farfara* on clay and loam, 14.IX.2003, leg. A.R.; 3 ♂♂, 2 ♀♀, steep right bank of Irtysh River up-stream of Tobolsk Field Research Station, small mosses and litter among *Tussilago farfara* on clay and loam, 17.IX.2003, leg. A.R.; 1 ♂, 5 ♀♀, steep right bank of Irtysh River up-stream of Tobolsk Field Research Station, small mosses and litter among *Tussilago farfara* on clay and loam, 03.X.2003, leg. A.R.; 1 ♂, 6 ♀♀, flood-plain of left bank of Irtysh River, swampy shore of Letneye Lake: *Carex* spp., *Comarum palustre*, *Scirpus* sp., mosses. 01.X.2003, leg. A.R.; 1 ♀,

Tobolsk Field Research Station, mosses and litter among sparse *Salix* spp., *Betula*, *Pinus sylvestris* with tussocks of *Carex* spp., Poaceae, *Lythrum* sp., *Filipendula ulmaria*, *Climacium dendroides*, isolated spots of *Sphagnum squarrosum*, *Sph.* sp. etc., on swamped flood-plain of left bank of Irtysh River, 29.IX.2003, leg. A.R.; 6 ♂♂, 4 ♀♀, among *Carex* spp. on flood-plain of Varpak River, 25.IX.2003, leg. A.R.; 1 ♂, Tobolsk Field Research Station, mosses and litter in swampy birch forest with *Pinus sylvestris*, *Ledum palustre*, *Vaccinium uliginosum*, *Carex globularis*, *Sphagnum girgensohnii*, *Sph. ?russowii*, *Sph.* spp., *Polytrichum commune*, *P. strictum*, *Pleurozium schreberi*, ?*Aulacomnium* sp., *Climacium dendroides* etc., 30.IX.2003, leg. A.R.

3 ♂♂, 5 ♀♀, Samotlor, bank of Vakh River, *Salix* bushes, litter, Aug. 1999, leg. A.T.; 3 ♂♂, 1 ♀, dump in a village, Aug. 1999, leg. A.T.

1 ♂, 2 ♀♀, Tyumen, VI.2000, leg. U.

DISTRIBUTION. All over the Holarctic.

Erigone dentipalpis (Wider, 1834)

MATERIAL. 6 ♂♂, 3 ♀♀, Tobolsk Field Research Station, gentle sandy left bank of Irtysh River with clayish spots: among *Equisetum* sp., 15.IX.2003, leg. A.R.; 3 ♂♂, 4 ♀♀, steep right bank of Irtysh River below Tobolsk Field Research Station, mosses and litter among sparse *Tussilago farfara* on clay and loam, 04.X.2003, leg. A.R.; 1 ♂, steep right bank of Irtysh River up-stream of Tobolsk Field Research Station, small mosses and litter among *Tussilago farfara* on clay and loam, 17.IX.2003, leg. A.R.

DISTRIBUTION. Pan-Holarctic. This is the first record in West Siberia.

Erigone hypoarctica Eskov, 1989

MATERIAL. 4 ♂♂, 3 ♀♀, Yuganskiy Reserve, Malyy Yugan River, near cordon below Maalyakh River mouth, mosses and litter in forest with *Pinus sibirica*, *P. sylvestris*, *Picea*, *Betula*, *Populus tremula*, *Abies*, *Equisetum sylvaticum*, *Linnaea borealis*, *Vaccinium vitis-idaea*, *V. myrtillus*, *Carex globularis*, *Pleurozium schreberi*, *Hylocomium splendens*, *Polytrichum commune*, sparse spots of *Sphagnum girgensohnii* and *Ledum palustre*, 20.VIII.2003, leg. A.R.

DISTRIBUTION. All Siberia from the Urals to Chukotka, Cisokhotia, Sakhalin; mountains of South Siberia: Tuva and Sayan.

Erigonella ignobilis (O. Pickard-Cambridge, 1871)

1996 *Erigonella ignobilis*, Esysunin, Ekosistemy Srednego Priob'ya, 1, p. 72.

MATERIAL. 15 ♂♂ & ♀♀, near Ugut, Ugutka River Basin. Mosses and litter at forest with *Pinus sylvestris*, *Betula*, *Ledum palustre*, *Vaccinium myrtillus*, *V. vitis-idaea*, *Dicranum* sp., *Pleurozium schreberi*, *Hylocomium splendens*, underwood of *Pinus sibirica* etc., 11.X.1998, leg. A.R.

3 ♀♀, Surgutskiy Refuge, Ob' River Basin, Materikovyy Pasi Channel. Mosses and litter on bog near glade: tussocks with *Carex ?globularis*, *Sphagnum ?girgensohnii*, *Sph.* spp., *Linnaea borealis*, *Equisetum sylvaticum*, *Vaccinium vitis-idaea*, *Ledum palustre*, 06.VIII.2000, leg. A.R.

3 ♂♂, 5 ♀♀, Yuganskiy Reserve, Nyogus'yakh River, cordon Bisarkina. Moss and litter at swamp amid flood-plain forest near foot of slope: *Menyanthes trifoliata*, *Equisetum* sp., *Sphagnum* spp., *Comarum palustre*, *Filipendula ulmaria*, ?*Tomenthypnum* sp., *Plagiomnium* sp. etc., with sparse *Betula*, *Picea*, *Abies*, *Pinus sibirica*, 25.X.1998, leg. A.R.; 5 ♂♂, 2 ♀♀, Nyogus'yakh River, cordon Bisarkina. Moss and litter on swamp amid flood plain forest near foot of slope: *Menyanthes trifoliata*, *Equisetum* spp., *Sphagnum squarrosum* (sparse), *Sph. ?centrale*, *Sph.* spp., *Nardosmia frigida*, *Carex* spp., Gramineae, *Salix* sp., *Comarum palustre*, *Filipendula*

ulmaria, ?*Tomenthyphnum* sp., *Plagiomnium* sp. etc., 27.X.1998, leg. A.R.; 20 ♂♂ & ♀♀, near Vuya-Yany River mouth. Moss and litter at border of open swamp with *Carex* spp., ?*Eriophorum* sp., *Comarum palustre*, *Equisetum* sp., *Sphagnum* ?*girgensobnii*, *Sph. squarrosum*, *Majanthemum bifolium*, sparse *Betula* etc., 15.VIII.1998, leg. A.R.; 2 ♂♂, 5 ♀♀, Malyi Yugan River, 3 km up-stream off Vuya-Yany River mouth. Litter in flood-plane birch forest with *Maianthemum*, young *Picea* and *Abies*, *Rosa* sp. etc., 14.VIII.1998, leg. A.R.; 4 ♀♀, Nyogus'yakh River Basin, forest road, 2.5 km ENE of cordon Bisarkina. Swampy sources of parched rill: *Sphagnum* spp., *Carex* spp., graminoids, *Equisetum* spp. 28.X.1998, leg. A.R.; 14 ♂♂, 1 ♀, Malyi Yugan River Basin, 3–5 km SW of cordon at Kol-Kotchen-Yagan River, near lake. Mosses on swamp near N shore of lake: *Sphagnum* spp., *Carex* spp., *Eriophorum* sp., *Chamaedaphne calyculata*, *Andromeda polifolia*, *Oxycoccus* spp., *Vaccinium uliginosum* et al., 18.IX.1999, leg. A.R.; 4 ♂♂, 3 ♀♀, Vuya-Yany River near Ay-Vuya-Yany River mouth. Flood-plain depression: *Filipendula ulmaria*, *Carex* sp., Gramineae, *Spiraea* sp., *Ribes nigrum*, *Comarum palustre*, *Sphagnum squarrosum*, *Sph. girgensobnii*, *Climacium dendroides*, *Aulacomnium* sp., *Plagiomnium* sp. etc., 24.VIII.2000, leg. A.R.; 2 ♂♂, Vuya-Yany River near Ay-Vuya-Yany River mouth. Swamped flood-plain of left river bank: *Carex* spp., *Comarum palustre*, *Filipendula ulmaria*, *Spiraea* sp., *Ribes nigrum*, *Sphagnum squarrosum*, *Sph. girgensobnii*, *Plagiomnium* sp., *Aulacomnium* sp. etc., 27.VIII.2000, leg. A.R.; 6 ♂♂, 2 ♀♀, Nyogus'yakh River Basin near Petchpan'yakh River mouth, N shore of great lake. Mosses, litter, shaking off from grass: *Carex* spp., Gramineae, *Comarum palustre*, *Salix* sp., ?*Aulacomnium* sp., *Plagiomnium* sp. etc., 08.IX.2000, leg. A.R.; 5 ♂♂, 4 ♀♀, Nyogus'yakh River Basin near Petchpan'yakh River mouth. Mosses and litter on large swamp: *Carex* spp., *Comarum palustre*, *Equisetum* sp., *Eriophorum* sp., Gramineae, *Rumex* sp., ?*Aulacomnium* sp., *Plagiomnium* sp., *Ptilium crista-castrensis*, *Sphagnum* sp., *Chamaenerium angustifolium*, sparse *Betula* & *Salix* sp., spots of dwarf birch on hummocks etc., 11.IX.2000, leg. A.R.; 8 ♀♀, Nyogus'yakh River Basin near Petchpan'yakh River mouth. Mosses and litter on large swamp: *Carex* spp., *Comarum palustre*, *Equisetum* sp., *Eriophorum* sp., Gramineae, *Rumex* sp., ?*Aulacomnium* sp., *Plagiomnium* sp., *Ptilium crista-castrensis*, *Sphagnum* sp., *Chamaenerium angustifolium*, *Betula* and *Salix* sp. etc., 13.IX.2000, leg. A.R.; 7 ♂♂, 3 ♀♀, Nyogus'yakh River Basin near Petchpan'yakh River mouth. Mosses and litter on large swamp: *Carex* spp., *Comarum palustre*, *Equisetum* sp., *Nardosmia frigida*, *Eriophorum* sp., Gramineae, *Rumex* sp., ?*Aulacomnium* sp., *Plagiomnium* sp., *Ptilium crista-castrensis*, *Sphagnum* sp., *Chamaenerium angustifolium*, *Sphagnum* ?*russowii*, *Sph.* sp., *Salix* sp. etc., 15.IX.2000, leg. A.R.; 4 ♀♀, Nyogus'yakh River Basin near Petchpan'yakh River mouth. Mosses and litter on large open swamp: *Sphagnum* ?*angustifolium*, *Sph. girgensobnii*, *Sph. russowii*, *Sph.* sp., dwarf birch, *Oxycoccus* spp., Gramineae, *Carex* spp., *Comarum palustre*, *Equisetum* sp., ?*Aulacomnium* sp., *Plagiomnium* sp., *Ptilium crista-castrensis* etc., 24.IX.2000, leg. A.R.; 5 ♀♀, Vuya-Yanyf River near Ay-Vuya-Yany River mouth. Flood-plain lake shore: young *Betula* and *Populus tremula*, *Carex* spp., *Filipendula ulmaria*, Gramineae, *Sphagnum girgensobnii*, *Aulacomnium* sp., *Climacium dendroides*, *Comarum palustre*, 23.VIII.2000, leg. A.R.; 5 ♀♀, Nyogus'yakh River near Petchpan'yakh River mouth. Mosses and litter under *Abies sibirica*, *Betula*, *Pinus sibirica*, *Sorbus sibirica* with *Hylacomium splendens*, *Pleurozium schreberi*, Gramineae, *Equisetum pratense*, *Eq. sylvaticum*, *Maianthemum bifolium*, *Trientalis europaea*, *Linnaea borealis*, *Vaccinium vitis-idaea* etc., in flood-plain forest on natural levee, 09.IX.2000, leg. A.R.; 3 ♂♂, 4 ♀♀, Bolshoy Yugan River, 6–7 km below Sugmuten'yakh River mouth. Bank of old channel: tussocks with *Carex* spp., Gramineae, small admixture of *Filipendula ulmaria* between sparse *Salix* sp. and *Betula*, 17.VIII.2001, leg. A.R.; 1 ♂, 4 ♀♀, Bolshoy Yugan River, 6–7 km below Sugmuten'yakh River mouth. Mosses and litter on overgrown swamp and swamped winter road with *Pinus sylvestris*, *Betula*, *Chamaedaphne*, *Ledum*, *Eriophorum* sp., *Sphagnum fuscum*, *Sph. magellanicum*, *Sph. ?balticum*, *Sph.* spp., *Oxycoccus* sp., *Vaccinium uliginosum*, *Pleurozium schreberi* etc., 20.VIII.2001, leg. A.R.; 6 ♂♂, 3 ♀♀, Bolshoy Yugan River, 6–7 km below Sugmuten'yakh River mouth. Mosses and litter between sedges and Gramineae on swamped winter road

with *Carex* spp., *Calamagrostis* sp., *Sphagnum girgensobnii*, *Sph.* spp. etc., and on the plot without *Sphagnum* spp. 21.VIII.2001, leg. A.R.; 7 ♂♂, 4 ♀♀, near S border of buffer area of Yuganskiy Reserve, Kolylnor Lake. Lake shore: *Carex* spp., Gramineae, *Sphagnum* spp. etc., 29.VIII.2001, leg. A.R.; 2 ♂♂, 5 ♀♀, near S border of buffer area of Yuganskiy Reserve, Kolylnor Lake. Mosses and litter under *Betula*, *Pinus sylvestris* and *Pinus sibirica* in swamped forest near W shore of lake and between *Carex* spp. with *Sphagnum girgensobnii* at the lake shore, 01.IX.2001, leg. A.R.; 4 ♂♂, 11 ♀♀, near S border of buffer area of Yuganskiy Reserve, Koimlor (Krimlor) Lake. Mosses and litter in tussocks between sparse *Betula* and *Salix* sp. near lake shore: *Carex* spp., Gramineae, *Sphagnum squarrosum*, *Sph. centrale*, *Sph. girgensobnii*, *Comarum palustre*, sparse *Equisetum* sp. 02.IX.2001, leg. A.R.; 2 ♂♂, near S border of buffer area of Yuganskiy Reserve, Kolylnor Lake. Lake shore: *Carex* spp., Gramineae, *Sphagnum girgensobnii*, *Sph. squarrosum*, *Sph.* spp. sparse *Betula*, *Salix* sp. etc., 04.IX.2001, leg. A.R.; 4 ♂♂, 2 ♀♀, near S border of buffer area of Yuganskiy Reserve, rill between Kolylnor Lake and Koimlor (Krimlor) Lake. Rill bank near source: tussocks with *Carex* spp. and Gramineae, *Comarum palustre*, *Sphagnum squarrosum*, *Sph. girgensobnii*, *Sph.* spp., *Plagiomnium* sp. etc., 04.IX.2001, leg. A.R.; ca. 20 ♂♂ & ♀♀, near S border of buffer area of Yuganskiy Reserve, Kolylnor Lake. Mosses and litter by lake shore: *Carex* spp., Gramineae, *Sphagnum girgensobnii*, *Sph. squarrosum*, *Sph.* spp. sparse *Betula*, *Salix* sp. etc., 05.IX.2001, leg. A.R.; 5 ♂♂, 1 ♀, Ay-Magromsy River Basin, Medvezhyi Ugol cordon, mosses and litter at swamp border: *Carex rostrata*, *Sphagnum girgensobnii*, *Sph.* spp. etc., among sparse young birches. 11.IX.2002, leg. A.R.; 4 ♀♀, Yuganskiy Reserve, Ay-Magromsy River Basin, Medvezhyi Ugol cordon, sweeping on *Carex rostrata*, *C.* spp., mosses and litter at swamp border: *Carex rostrata*, *Sphagnum girgensobnii*, *Sph.* spp. etc., among sparse young birches, (+7C?), 15.IX.2002, leg. A.R.; 2 ♀♀, Ay-Magromsy River Basin, Medvezhyi Ugol cordon, sweeping on *Carex rostrata*, *C.* spp., Gramineae, *Eriophorum* sp. etc., mosses and litter at border of sedge-mossy swamp (including rill source): *Carex rostrata*, *C.* spp., *Sphagnum girgensobnii*, *Sph.* spp., *Equisetum* spp., *Oxycoccus* spp., *Chamaedaphne calyculata*, *Comarum palustre*, *Calamagrostis* sp., *Menyanthes trifoliata* etc., among sparse young birches, 19.IX.2002, leg. A.R.; 4 ♂♂, 2 ♀♀, Ay-Magromsy River Basin, Medvezhyi Ugol cordon, mosses and litter at southern border of sedge-mossy swamp: *Carex rostrata*, *C.* spp., *Comarum palustre*, *Equisetum* spp., *Sphagnum girgensobnii*, *Sph.* spp., *Plagiomnium* sp., *Aulacomnium* sp., *Calamagrostis* sp., *Menyanthes trifoliata* etc., among sparse young birches, 21.IX.2002, leg. A.R.; 6 ♂♂, 3 ♀♀, Ay-Magromsy River Basin, Medvezhyi Ugol cordon, mosses and litter in tussocks of *Carex* sp. with *Sphagnum squarrosum*, *Sph. centrale*, *Sph. girgensobnii*, *Sph. ?russowii*, *Plagiomnium* sp. etc., and also sweeping on *Carex rhynchophysa* among swampy birch forest at SW border of the reserve, 21.IX.2002, leg. A.R.; ca. 20 ♂♂ & ♀♀, Ay-Magromsy River Basin, Medvezhyi Ugol cordon, mosses and litter at southern border of sedge-mossy swamp: *Carex rostrata*, *C.* spp., *Comarum palustre*, *Equisetum* spp., *Sphagnum girgensobnii*, *Sph.* spp., *Plagiomnium* sp., *Aulacomnium* sp., *Calamagrostis* sp., *Menyanthes trifoliata* etc., among sparse young birches, (+7C?), 23.IX.2002, leg. A.R.; 5 ♀♀, Ay-Magromsy River Basin, Medvezhyi Ugol cordon, mosses on sedge-mossy swamp: *Carex rostrata*, *C.* spp., *Sphagnum ?angustifolium*, *Sph. girgensobnii*, *Sph.* sp., *Oxycoccus* spp., (+8C?), 26.IX.2002, leg. A.R.; 1 ♂, Ay-Magromsy River Basin, 1 km N of Medvezhyi Ugol cordon, mosses and litter on flood-plain of rill with *Calamagrostis* sp., *Filipendula ulmaria*, *Spiraea* sp., *Equisetum sylvaticum*, *Plagiomnium* sp., *Sphagnum* spp. etc., (+5C?), 05.X.2002, leg. A.R.

1 ♂, 2 ♀♀, Tobolsk Field Research Station, mosses and litter and in sweeping on small swamp with *Carex* spp., Poaceae, *Sphagnum girgensobnii*, *Sph. squarrosum*, *Sph. ?riparium*, *Sph. ?balticum*, *Sph. centrale* etc., 10.VI.2004, leg. A.R.

30 ♂♂ & ♀♀, Noyabrsky, *Salix* bushes along brook, litter, 15.VIII.2000, leg. A.T.

DISTRIBUTION. Widespread in Europe, known in the Urals; West, Middle and East Siberia, in the mountains of South Siberia registered from Sayan.

Erigonidium graminicola (Sundevall, 1830)

1996 *Erigonidium graminicola*, Esyunin, Ekosistemy Srednego Priob'ya, 1, p. 72.

MATERIAL. 1 ♂, 1 ♀, Tobolsk Field Research Station, flood-plain of left bank of Irtysh River, under *Carex* spp., Poaceae, *Lythrum*, *Mentha* sp. etc., and on ground among those, 19.IX.2003, leg. A.R.; 1 ♂, steep right bank of Irtysh River up-stream of Tobolsk Field Research Station, small mosses and litter among *Tussilago farfara* on clay and loam. 03.X.2003, leg. A.R.; 1 ♂, Tobolsk Field Research Station, among *Carex* spp. on flood-plain of Varpak River, 25.IX.2003, leg. A.R.; 1 ♀, 11 km S of Gornoslinskino, clayish right bank of Irtysh River (narrow fold at rill mouth) up-stream of Tobolsk Field Research Station, in leaf litter and sweeping under *Salix* sp. with small true mosses, *Marchantia* sp., *Equisetum* sp., *Carex* sp., *Calamagrostis* sp. etc., 11.VI.2004, leg. A.R.

DISTRIBUTION. Throughout the Palaearctic.

Floronia bucculenta (Clerck, 1757)

MATERIAL. 1 ♀, Tomsk, *Abies* forest, in moss and litter, 15–16.VIII.1998, leg. A.T.

DISTRIBUTION. Widespread in Europe, the Caucasus and the Urals; in Siberia this species has been known from the middle flow region of Yenisey River; through the mountains of South Siberia eastward to Khabarovsk Prov., Maritime Prov.; registered from Sakhalin and China. This is the first record in West Siberia.

Glyphesis cottonae (La Touche, 1945)

MATERIAL. 1 ♂, Yuganskiy Reserve, Ay-Magromsy River Basin, Medvezhyi Ugol cordon, mosses on sedge-mossy swamp: *Carex rostrata*, *C. spp.*, *Sphagnum ?angustifolium*, *Sph. girgensobnii*, *Sph. sp.*, *Oxycoccus* spp. (+8C?), 26.IX.2002, leg. A.R.

DISTRIBUTION. Europe, known also in the Urals. In Siberia this species has hitherto been recorded in the middle flow region of Yenisey River. Japan (?). This is the first record in West Siberia.

Gnathonarium dentatum (Wider, 1834)

1996 *Gnathonarium dentatum*, Esyunin, Ekosistemy Srednego Priob'ya, 1, p. 72.

MATERIAL. 1 ♀, Yuganskiy Reserve, Nyogus'yakh River Basin near Petchpan'yakh River mouth. Mosses and litter on large swamp: *Carex* spp., *Comarum palustre*, *Equisetum* sp., *Eriophorum* sp., Gramineae, *Rumex* sp., *?Aulacomnium* sp., *Plagiomnium* sp., *Ptilium crista-castrensis*, *Sphagnum* sp., *Chamaenerium angustifolium*, *Betula* and *Salix* sp. etc., 13.IX.2000, leg. A.R.; 1 ♂, 2 ♀♀, Nyogus'yakh River Basin near Petchpan'yakh River mouth. Mosses and litter on large swamp: *Carex* spp., *Comarum palustre*, *Equisetum* sp., *Nardosmia frigida*, *Eriophorum* sp., Gramineae, *Rumex* sp., *?Aulacomnium* sp., *Plagiomnium* sp., *Ptilium crista-castrensis*, *Sphagnum* sp., *Chamaenerium angustifolium*, *Sphagnum ?rusowii*, *Sph. sp.*, *Salix* sp. etc., 15.IX.2000, leg. A.R.; 1 ♂, near S border of buffer area of Yuganskiy Reserve, Kolylnor Lake. Lake shore: *Carex* spp., Gramineae, *Sphagnum* spp. etc., 29.VIII.2001, leg. A.R.; 1 ♂, near S border of buffer area of Yuganskiy Reserve, Kolylnor Lake. Mosses and litter under *Betula*, *Pinus sylvestris* and *Pinus sibirica* in swamped forest near W shore of lake and between *Carex* spp. with *Sphagnum girgensobnii* at the lake shore, 01.IX.2001, leg. A.R.; 2 ♀♀, near S border of buffer area of Yuganskiy Reserve, Koimlor (Krimlor) Lake. Mosses between *Equisetum fluviatile* and under *Salix* sp. on marshy lake shore, 02.IX.2001, leg. A.R.; 2 ♂♂, 1 ♀, near S border of buffer area of

Yuganskiy Reserve, Kolylnor Lake. Lake shore: *Carex* spp., Gramineae, *Sphagnum girgensobnii*, *Sph. squarrosom*, *Sph. spp.* sparse *Betula*, *Salix* sp. etc., 04.IX.2001, leg. A.R.; 1 ♂, Bolshoy Yugan River Basin, 6 km E of Kamennyi cordon, Sakson-Tog-Lor Lake. *Sphagnum* spp. & *Carex* spp. at lake shore, 16.VIII.2002, leg. A.R.; 4 ♀♀, Ay-Magromsy River Basin, Medvezhyi Ugol cordon, sweeping on *Carex rostrata*, *C. spp.*, Gramineae, *Eriophorum* sp. etc., mosses and litter at border of sedge-mossy swamp (including rill source): *Carex rostrata*, *C. spp.*, *Sphagnum girgensobnii*, *Sph. spp.*, *Equisetum* spp., *Oxycoccus* spp., *Chamaedaphne calyculata*, *Comarum palustre*, *Calamagrostis* sp., *Menyanthes trifoliata* etc., among sparse young birches, 19.IX.2002, leg. A.R.; 1 ♀, Ay-Magromsy River Basin, Medvezhyi Ugol cordon, mosses and litter at southern border of sedge-mossy swamp: *Carex rostrata*, *C. spp.*, *Comarum palustre*, *Equisetum* spp., *Sphagnum girgensobnii*, *Sph. spp.*, *Plagiomnium* sp., *Aulacomnium* sp., *Calamagrostis* sp., *Menyanthes trifoliata* etc., among sparse young birches, 21.IX.2002, leg. A.R.; 2 ♂♂, 2 ♀♀, Malyi Yugan River, cordon below Lyarykni River mouth, open swamp with tussocks of *Carex* spp. and *Calamagrostis* sp. with *Comarum palustre*, *Salix* sp., *Sphagnum squarrosom*, *Sph. spp.*, *?Aulacomnium* sp. etc., between sparse young *Betula*, 17.VIII.2003, leg. A.R.; 1 ♀, Malyi Yugan River, cordon below Lyarykni River mouth, open swamp with tussocks of *Carex* spp. and *Calamagrostis* sp. with *Comarum palustre*, *Salix* sp., *Sphagnum squarrosom*, *Sph. spp.*, *?Aulacomnium* sp. etc., between sparse young *Betula*, 22.VIII.2003, leg. A.R.; 1 ♀, Malyi Yugan River, near cordon below Maalyakh River mouth, mosses and litter in forest with *Pinus sibirica*, *P. sylvestris*, *Picea*, *Betula*, *Populus tremula*, *Abies*, *Equisetum sylvaticum*, *Linnaea borealis*, *Vaccinium vitis-idaea*, *V. myrtillus*, *Carex globularis*, *Pleurozium schreberi*, *Hylocomium splendens*, *Polytrichum commune*, sparse spots of *Sphagnum girgensobnii* and *Ledum palustre*, 20.VIII.2003, leg. A.R.

2 ♂♂, 1 ♀, Tobolsk Field Research Station, flood-plain swamp near left bank of Irtysh River: *Carex* spp., *Comarum palustre*, *Salix* sp., *Climacium dendroides*, small true mosses, *Lemna* sp. etc., 15.IX.2003, leg. A.R.; 6 ♂♂, 3 ♀♀, mosses and litter and in sweeping on small swamp with *Carex* spp., Poaceae, *Sphagnum girgensobnii*, *Sph. squarrosom*, *Sph. ?riparium*, *Sph. ?balticum*, *Sph. centrale* etc., 20.IX.2003, leg. A.R.; 1 ♂, small swamp with *Carex* sp. and *Salix* sp. amid birch forest on high flood-plain of left bank of Irtysh River, 30.IX.2003, leg. A.R.; 2 ♂♂, 5 ♀♀, mosses and litter among *Carex* spp. with *Plagiomnium* sp. etc., on swampy forest road. 13.IX.2003, leg. A.R.; 2 ♂♂, 3 ♀♀, mosses and litter and in sweeping on small swamp with *Carex* spp., Poaceae, *Sphagnum girgensobnii*, *Sph. squarrosom*, *Sph. ?riparium*, *Sph. ?balticum*, *Sph. centrale* etc., 21.IX.2003, leg. A.R.; 1 ♂, 1 ♀, flood-plain of left bank of Irtysh River, swampy shore of Letneye Lake: *Carex* spp., *Comarum palustre*, *Scirpus* sp., mosses. 01.X.2003, leg. A.R.; 2 ♀♀, plant debris and leaf litter at margin of inundated flood-plain of Varpak River: *Carex* sp., Poaceae, *Lythrum* sp., *Salix* sp. on gentle slope, aspen trees on steep slope, depression in the ground with aspen leaf drift, 07.VI.2004, leg. A.R.; 6 ♀♀, flood-plain swamp near left bank of Irtysh River: *Carex* spp., *Comarum palustre*, *Salix* sp., *Climacium dendroides*, small true mosses, *Lemna* sp. etc., 09.VI.2004, leg. A.R.; 2 ♀♀, mosses and litter and in sweeping on small swamp with *Carex* spp., Poaceae, *Sphagnum girgensobnii*, *Sph. squarrosom*, *Sph. ?riparium*, *Sph. ?balticum*, *Sph. centrale* etc., 10.VI.2004, leg. A.R.

DISTRIBUTION. Widespread in Europe, known from the Caucasus, Middle Asia, Iran. In Siberia it occurs in West and Middle Siberia, Kamchatka, the Kurile Islands; the mountains of South Siberia, the southern part of Khabarovsk Prov., Maritime Prov., Sakhalin; Mongolia, China, Japan.

Gonatum rubellum (Blackwall, 1841)

1996 *Gonatum rubellum*, Esyunin, Ekosistemy Srednego Priob'ya, 1, p. 72.

MATERIAL. 1 ♂, 1 ♀, Yuganskiy Reserve, Nyogus'yakh River, cordon Bisarkina. Mosses and litter in flood-plane forest

and at natural levee with *Abies*, *Picea*, *Pinus sibirica*, *Betula*, *Oxalis*, *Equisetum sylvaticum*, *Eq. pratense*, *Maianthemum*, *Trientalis*, *Linnaea*, *Hylocomium splendens*, *Pleurozium schreberi*, place-ly *Sphagnum* sp. (*girgensobnii* or *russowii*) etc., 24.X.1998, leg. A.R.; 1 ♀, Nyogus'yakh River, cordon Bisarkina. Parching rill near cordon: mosses and litter in rill-bed and by banks (*Carex* spp., *Equisetum sylvaticum*, *Sphagnum* ?*riparium*, *Sph.* ?*girgensobnii*, *Polytrichum commune*, *Filipendula ulmaria*, Gramineae, *Veratrum*, *Linnaea*, *Maianthemum*, *Trientalis*, *Tomenthypnum* sp., *Plagiomnium* sp. etc.), 31.X.1998, leg. A.R.; 1 ♂, 3 ♀♀, right confluent of Bolshoy Yugan River, 3 km SW of cordon Kamennyi. Steep loamy river bank: *Carex* spp., Gramineae, sparse *Filipendula ulmaria*, *Vicia* sp., *Veronica* ?*longifolia* etc., 21.VIII.1999, leg. A.R.; 2 ♀♀, Bolshoy Yugan River, 6–7 km below Sugmuten'yakh River mouth. Bank of old channel: tussocks with *Carex* spp., Gramineae, small admixture of *Filipendula ulmaria* between sparse *Salix* sp. and *Betula*, 17.VIII.2001, leg. A.R.

4 ♂♂, 6 ♀♀, Luginetsky, *Abies*, *Picea* & *Betula* forest, in grass, 26.VIII.1998, leg. A.T.; 2 ♂♂, swampy spruce (*Picea*) forest, in moss, 25.VIII.1998, leg. A.T.; 2 ♂♂, *Picea*, *Abies* & *Betula* forest, in moss, 26.VIII.1998, leg. A.T.

DISTRIBUTION. Europe, the Urals, West and Middle Siberia, in the mountains of South Siberia known in Altai, Tuva and Sayan; recorded also in Maritime Prov.

Gonatium rubens (Blackwall, 1833)

1996 *Gonatium rubens*, Esysunin, Ekosistemy Srednego Priob'ya, 1, p. 72.

MATERIAL. 1 ♀, Yuganskiy Reserve, near Vuya-Yany River mouth. Moss and litter at hummocks at bank of old channel with *Carex* spp., *Comarum palustre*, *Filipendula ulmaria*, Gramineae, *Plagiomnium* sp. etc., 12.VIII.1998, leg. A.R.; 1 ♀, Bolshoy Yugan River, near cordon Kamennyi. Shore of small flood-plain lake: *Carex* spp., Gramineae, *Comarum palustre*, *Filipendula ulmaria*, *Salix* sp., *Ribes* sp., *Rosa* sp. etc., 19.VIII.1999, leg. A.R.; 1 ♀, Nyogus'yakh River near Kogontchina-2 field research station. Mosses and litter on swamp with *Pinus sylvestris*, *Betula*, *Ledum palustre*, *Andromeda polifolia*, *Chamaedaphne calyculata*, *Vaccinium uliginosum*, *Eriophorum* sp., *Oxycoccus palustris*, *Sphagnum fuscum*, *Sph. magellanicum*, *Sph.* ?*angustifolium*, *Sph.* spp., *Rubus chamaemorus* etc., 31.VIII.2000, leg. A.R.; 1 ♀, Malyi Yugan River, near cordon below Maalyakh River mouth, on ground and in sweeping at river bank: sand, clay, *Carex* spp., Poaceae, *Equisetum* sp., *Vicia* sp., *Veronica longifolia*, etc., 19.VIII.2003, leg. A.R.

1 ♀, Samotlor, bank of Vakh River, *Salix* bushes, litter, Aug. 1999, leg. A.T.

2 ♀♀, Noyabrsky, dry *Pinus* forest, *Ledum*, *Vaccinium vitis-idea*, *V. uliginosum*, *Empetrum*, in *Cladina* pads, 10.VIII.2000, leg. A.T.; 2 ♀♀, dry *Pinus* forest, *Ledum*, *Vaccinium vitis-idea*, *V. uliginosum*, *Empetrum*, moss & lichen (*Cladina* & *Cetraria*), 12.VIII.2000, leg. A.T.

DISTRIBUTION. Widespread in Europe, registered from Caucasus and Middle Asia; in Siberia distributed from the Urals eastward to Chukotka, Cisokhotia and Sakhalin; from eastern Kazakhstan through the mountains of South Siberia via the Lake Baikal region eastward to Khabarovsk Prov. and Maritime Prov.; recorded also in Mongolia and Japan.

Gongylidiellum murcidum Simon, 1884

MATERIAL. 1 ♂, 2 ♀♀, Tobolsk Field Research Station, flood-plain swamp near left bank of Irtysh River: *Carex* spp., *Comarum palustre*, *Salix* sp., *Climacium dendroides*, small true mosses, *Lemna* sp. etc., 15.IX.2003, leg. A.R.; 3 ♀♀, gentle sandy left bank of Irtysh River with clayish spots: among *Equisetum* sp. 15.IX.2003, leg. A.R.; 1 ♀, in moss (*Climacium dendroides*) and leaf litter under *Salix* sp. at lake shore on open flood-plain of left bank of Irtysh River, 19.IX.2003, leg. A.R.; 1 ♂, flood-

plain of left bank of Irtysh River, swampy shore of Letneye Lake: *Carex* spp., *Comarum palustre*, *Scirpus* sp., mosses. 01.X.2003, leg. A.R.; 1 ♂, 3 ♀♀, flood-plain of left bank of Irtysh River, swampy side of Letneye Lake: *Carex* spp., *Comarum palustre*, *Calamagrostis* sp., small true mosses, 03.VI.2004, leg. A.R.; 1 ♂, 4 ♀♀, flood-plain swamp near left bank of Irtysh River: *Carex* spp., *Comarum palustre*, *Salix* sp., *Climacium dendroides*, small true mosses, *Lemna* sp. etc., 09.VI.2004, leg. A.R.; 1 ♂, 4 ♀♀, mosses and litter and in sweeping on small swamp with *Carex* spp., Poaceae, *Sphagnum girgensobnii*, *Sph. squarrosum*, *Sph. riparium*, *Sph. ?balticum*, *Sph. centrale* etc., 10.VI.2004, leg. A.R.; 1 ♂, 5 ♀♀, 9 km S of Gornoslinskino, mosses and litter among sparse *Salix* spp., *Betula*, *Pinus sylvestris* with tussocks of *Carex* spp., Poaceae, *Lythrum* sp., *Filipendula ulmaria*, *Climacium dendroides*, isolated spots of *Sphagnum squarrosum*, *Sph.* sp. etc., on swamped flood-plain of left bank of Irtysh River, 29.IX.2003, leg. A.R.

DISTRIBUTION. Widespread in Europe, registered from the Caucasus and Middle Asia; known from the Urals and West Siberia. China (?). This is the first record in West Siberia.

Gongylidium rufipes (Linnaeus, 1758)

MATERIAL. 1 ♂, Tobolsk Field Research Station, in leaf litter under *Salix* sp. at border of open flood-plain depression of left bank of Irtysh River, 19.IX.2003, leg. A.R.

DISTRIBUTION. Europe, Caucasus, Turkey, Middle Asia; In Siberia known from the Urals eastward to Yenisey River; from eastern Kazakhstan through the mountains of South Siberia eastward to Sayan. Registered also in Maritime Prov. This is the first record in West Siberia.

Halorates distinctus (Simon, 1884)

MATERIAL. 1 ♀, Yuganskiy Reserve, Kol-Kotchen-Yagun River (confluent of Malyi Yugan River) NE of cordon. River bank with *Carex* spp., Gramineae, *Filipendula ulmaria*, *Urtica dioica*, *Spiraea* sp. etc., 23.IX.2001, leg. A.R.

1 ♂, Tyumen, VI.2000, leg. U.

DISTRIBUTION. Northern Europe, in Siberia known from the Urals eastward to East Siberia (excluding Chukotka); in the mountains of South Siberia known from Altai Mts, Tuva and Sayan. Registered also in Mongolia. This is the first record in West Siberia.

Helophora insignis (Blackwall, 1841)

1996 *Helophora insignis*, Esysunin, Ekosistemy Srednego Priob'ya, 1, p. 70.

MATERIAL. 1 ♂, Yuganskiy Reserve, Bolshoy Yugan River, near cordon Kamennyi. River bank upper of cordon: sand, loam, *Carex* spp., Gramineae, *Vicia* sp., Asteraceae, *Veronica* ?*longifolia* et al. (on soil and grass), 24.VIII.1999, leg. A.R.; 1 ♂, Malyi Yugan River Basin, 3–5 km SW of cordon at Kol-Kotchen-Yagun River, near lake. Moss and litter under *Pinus sibirica*, *P. sylvestris*, young *Abies* with *Hylocomium splendens*, *Pleurozium schreberi*, *Dicranum* sp., *Vaccinium myrtillus*, *V. vitis-idaea*, *Linnaea borealis*, sparse *Ledum* on low knoll, 09.IX.1999, leg. A.R.; 1 ♀, Vuya-Yany River near Ay-Vuya-Yany River mouth. Flood-plain depression: *Filipendula ulmaria*, *Carex* sp., Gramineae, *Spiraea* sp., *Ribes nigrum*, *Comarum palustre*, *Sphagnum squarrosum*, *Sph. girgensobnii*, *Climacium dendroides*, *Aulacomnium* sp., *Plagiomnium* sp. etc., 24.VIII.2000, leg. A.R.; 1 ♂, Nyogus'yakh River near Kogontchina-2 field research station. Mosses and litter under *Pinus sibirica*, *Picea obovata*, *Populus tremula* with *Linnaea borealis*, *Vaccinium vitis-idaea*, *Maianthemum bifolium*, *Trientalis europaea*, *Hylocomium splendens*, *Pleu-*

roziium schreberi, *Equisetum sylvaticum*, *Eq. pratense* etc., 02.IX.2000, leg. A.R.; 1 ♀, Ay-Magromsy River Basin, Medvezhyi Ugol cordon, mosses and litter at rill bank and on flood-plain of rill: *Calamagrostis* sp., *Ribes* spp., *Rosa* sp., *Filipendula ulmaria*, *Matteuccia struthiopteris*, *Equisetum sylvaticum*, *Sphagnum squarrosum*, *Sph. girgensobnii*, *Sph.* spp., *Plagiomnium* sp. etc., 20.IX.2002, leg. A.R.; 1 ♂, 2 ♀♀, Ay-Magromsy River Basin, Medvezhyi Ugol cordon, mosses and litter on flood-plain of rill: *Filipendula ulmaria*, *Ribes* spp., *Comarum palustre*, *Equisetum sylvaticum*, *Plagiomnium* sp., *Carex* sp., *Calamagrostis* sp., *Climacium dendroides*, (+4C?), 29.IX.2002, leg. A.R.; 1 ♂, 2 ♀♀, Malyi Yugan River, near cordon below Maalyakh River mouth, on ground and in sweeping at river bank: sand, clay, *Carex* spp., Poaceae, *Equisetum* sp., *Vicia* sp., *Veronica longifolia*, etc., 19.VIII.2003, leg. A.R.

2 ♂♂, Tobolsk Field Research Station, in litter under *Pinus sibirica*, *Picea*, *Betula*, *Abies*, *Tilia*, *Populus tremula* with *Lonicera* sp., *Carex globularis*, *Oxalis acetosella*, *Pyrola* sp., *Delphinium* sp., *Lathyrus* sp., *Equisetum sylvaticum* etc., on slope, 20.IX.2003, leg. A.R.; 1 ♀, mosses and litter among sparse *Salix* spp., *Betula*, *Pinus sylvestris* with tussocks of *Carex* spp., Poaceae, *Lythrum* sp., *Filipendula ulmaria*, *Climacium dendroides*, isolated spots of *Sphagnum squarrosum*, *Sph.* sp. etc., on swamped flood-plain of left bank of Irtysh River, 29.IX.2003, leg. A.R.; 1 ♂, in litter and mosses under *Salix* sp. with Poaceae, *Carex* spp., *Filipendula ulmaria*, *Gallium* sp., *Climacium dendroides* etc., at border of flood-plain of Varpak River, 23.IX.2003, leg. A.R. 1 ♂, steep right bank of Irtysh River up-stream of Tobolsk Field Research Station, small mosses and litter among *Tussilago farfara* on clay and loam. 03.X.2003, leg. A.R.

40 ♂♂ & ♀♀, Tomsk, *Abies* forest, in grass, 15–16.VIII.1998, leg. A.T.

1 ♂, Luginetsky, *Abies*, *Picea*, *Betula* forest, in moss, VIII.1998, leg. A.T.; 2 ♂♂, *Picea*, *Populus* & *Betula* forest, in litter, 22–28.VIII.1998, leg. A.T.; 5 ♂♂, 8 ♀♀, *Abies*, *Picea* & *Betula* forest, in grass, 26.VIII.1998, leg. A.T.

1 ♀, Samotlor, *Populus* forest, in moss, Aug. 1999, leg. A.T.; 1 ♀, *Populus* & *Pinus* forest, in moss, Aug. 1999, A.T. leg.; 1 ♀, *Betula* forest, glade, in grass, Aug. 1999, leg. A.T.

2 ♂♂, Noyabrsky, *Picea* wood, moss & lichen, 16.VIII.2000, leg. A.T.

DISTRIBUTION. Throughout the Holarctic.

Hilaira herniosa (Thorell, 1875)

1996 *Hilaira herniosa*, Esyunin, Ekosistemy Srednego Priob'ya, 1, p. 70.

MATERIAL. 2 ♂♂, 3 ♀♀, Yuganskiy Reserve, near Vuya-Yany River mouth. Mosses and litter in flood-plane forest with *Pinus sibirica*, *Abies*, *Picea*, *Betula*, *Rosa*, *Vaccinium vitis-idaea*, *Maianthemum*, *Trientalis*, *Pleurozium schreberi*, *Hylocomium splendens*, *Equisetum sylvaticum*, spots of *Sphagnum ?girgensobnii* and *Sph. ?russowii* etc., 09.VIII.1998, leg. A.R.; 2 ♀♀, Vuya-Yany River near Ay-Vuya-Yany River mouth. Flood-plain depression: *Filipendula ulmaria*, *Carex* sp., Gramineae, *Spiraea* sp., *Ribes nigrum*, *Comarum palustre*, *Sphagnum squarrosum*, *Sph. girgensobnii*, *Climacium dendroides*, *Aulacomnium* sp., *Plagiomnium* sp. etc., 24.VIII.2000, leg. A.R.; 1 ♂, Nyogus'yakh River near Kogontchina-2 field research station. Mosses and peat under *Carex ?globularis* near small forest swamp on island in the middle of large high moor, 02.IX.2000, leg. A.R.; 2 ♀♀, Ay-Magromsy River Basin, Medvezhyi Ugol cordon, mosses and litter at rill bank and on flood-plain of rill: *Calamagrostis* sp., *Ribes* spp., *Rosa* sp., *Filipendula ulmaria*, *Matteuccia struthiopteris*, *Equisetum sylvaticum*, *Sphagnum squarrosum*, *Sph. girgensobnii*, *Sph.* spp., *Plagiomnium* sp. etc., 20.IX.2002, leg. A.R.; 3 ♂♂, 5 ♀♀, Vuya-Yany River near Ay-Vuya-Yany River mouth. Flood-plain depression: *Filipendula ulmaria*, *Carex* sp., Gramineae, *Spiraea* sp., *Ribes nigrum*, *Comarum palustre*, *Sphagnum squarrosum*, *Sph. girgensobnii*, *Climacium dendroides*, *Aulacomnium* sp., *Plagiomnium* sp. etc., 24.VIII.2000, leg. A.R.; 1 ♂, Vuya-Yany River near

Ay-Vuya-Yany River mouth. Swamped flood-plain of left river bank: *Carex* spp., *Comarum palustre*, *Filipendula ulmaria*, *Spiraea* sp., *Ribes nigrum*, *Sphagnum squarrosum*, *Sph. ?girgensobnii*, *Plagiomnium* sp., *Aulacomnium* sp. etc., 27.VIII.2000, leg. A.R.

1 ♀, Luginetsky, *Picea*, *Abies* & *Betula* forest, in moss, 26.VIII.1998, leg. A.T.; 3 ♂♂, 5 ♀♀, *Abies*, *Picea*, *Betula* forest, in moss, 21–28.VIII.1998, leg. A.T.

1 ♂, 5 ♀♀, Noyabrsky, dry *Pinus* forest, *Ledum*, *Vaccinium vitis-idaea*, *V. uliginosum*, *Empetrum*, moss & lichen (*Cladina* & *Cetraria*), 12.VIII.2000, leg. A.T.; 2 ♀♀, *Pinus* forest, in *Cladina* pads, 10.VIII.2000, leg. A.T.

1 ♀, Tyumen, VI.2000, leg. U.

DISTRIBUTION. Northern Europe, the Urals; all over Siberia from Yamal Peninsula to Chukotka, Cisokhotia, Kamchatka, the Commander and Kurile islands; through the mountains of South Siberia via the Lake Baikal region eastward to the southern part of Khabarovsk Prov.; Mongolia, Japan. In the Nearctic, it occurs from Alaska to Newfoundland.

Hilaira minuta Eskov, 1979

MATERIAL. 1 ♀, Tobolsk Field Research Station, mosses and litter and in sweeping on small swamp with *Carex* spp., Poaceae, *Sphagnum girgensobnii*, *Sph. squarrosum*, *Sph. ?riparium*, *Sph. ?balticum*, *Sph. centrale* etc., 10.VI.2004, leg. A.R.

DISTRIBUTION. This species has hitherto been known in Siberia from Yenisey River in the West to Chukotka and Cisokhotia in the East, in the mountains of South Siberia, the southern part of Khabarovsk Prov., and Mongolia. This is the first record in West Siberia.

Hilaira pervicax Hull, 1908

MATERIAL. 4 ♂♂, 7 ♀♀, Yuganskiy Reserve, Vuya-Yany River near Ay-Vuya-Yany River mouth. Flood-plain depression: *Filipendula ulmaria*, *Carex* sp., Gramineae, *Spiraea* sp., *Ribes nigrum*, *Comarum palustre*, *Sphagnum squarrosum*, *Sph. girgensobnii*, *Climacium dendroides*, *Aulacomnium* sp., *Plagiomnium* sp. etc., 24.VIII.2000, leg. A.R.

DISTRIBUTION. Northern Europe, West, Middle and East Siberia.

Hilaira sp.

MATERIAL. 1 ♀, environs of Noyabrsky, *Salix* bushes along brook, litter, 15.VIII.2000, leg. A.T.

NOTE. This female seems to represent an undescribed species. A male has been found in the Yenisey River basin.

Hypselistes jacksoni (O. Pickard-Cambridge, 1902)

1996 *Hypselistes jacksoni*, Esyunin, Ekosistemy Srednego Priob'ya, 1, p. 72.

MATERIAL. 1 ♂, Surgutskiy Refuge, Ob' River Basin, Materikovyi Pasi Channel. Mosses and litter on bog near glade: tussocks with *Carex ?globularis*, *Sphagnum ?girgensobnii*, *Sph.* spp., *Linnaea borealis*, *Equisetum sylvaticum*, *Vaccinium vitis-idaea*, *Ledum palustre*, 06.VIII.2000, leg. A.R.

1 ♂, Yuganskiy Reserve, Nyogus'yakh River Basin, forest road, 2.5 km ENE of cordon Bisarkina. Swampy sources of parched rill: *Sphagnum* spp., *Carex* spp., graminoids, *Equisetum* spp., 28.X.1998, leg. A.R.; 1 ♀, Nyogus'yakh River Basin near Petchpan'yakh River mouth. Mosses and litter on large swamp: *Carex* spp., *Comarum palustre*, *Equisetum* sp., *Eriophorum* sp., Gramineae, *Ranex* sp., *?Aulacomnium* sp., *Plagiomnium* sp., *Ptilium crista-castrensis*, *Sphagnum* sp., *Chamaenerium angustifolium*, *Betula* and *Salix* sp. etc., 13.IX.2000, leg. A.R.; 1 ♂, Nyogus'yakh River near Kogontchina-2 field research station.

In geophilous and epigenous fungi. 29.VIII.2000, leg. A.R.; 2 ♀♀, Vuuya-Yany River Basin near Ay-Vuuya-Yany River mouth (2 km E of cordon). Mosses and litter under *Picea obovata*, *Pinus sibirica*, *P. sylvestris*, *Betula* on flood-plain of rill with *Pleurozium schreberi*, *Hylocomium splendens*, *Sphagnum girgensohnii*, *Polytrichum commune*, *Equisetum sylvaticum*, *Carex ?globularis*, *Linnaea borealis*, *Vaccinium vitis-idaea*, *Oxalis acetosella* etc., 21.VIII.2000, leg. A.R.; 1 ♂, Ay-Magromsy River Basin, Medvezhyi Ugol cordon, sweeping on *Carex rostrata*, *C. spp.*, mosses and litter at swamp border: *Carex rostrata*, *Sphagnum girgensohnii*, *Sph. spp.* etc., among sparse young birches, (+7C?), 15.IX.2002, leg. A.R.; 1 ♀, Ay-Magromsy River Basin, Medvezhyi Ugol cordon, mosses and litter at southern border of sedge-mossy swamp: *Carex rostrata*, *C. spp.*, *Comarum palustre*, *Equisetum spp.*, *Sphagnum girgensohnii*, *Sph. spp.*, *Plagiomnium sp.*, *Aulacomnium sp.*, *Calamagrostis sp.*, *Menyanthes trifoliata* etc., among sparse young birches, 21.IX.2002, leg. A.R.; 2 ♂♂, 1 ♀, Ay-Magromsy River Basin, 1 km N of Medvezhyi Ugol cordon, mosses and litter on flood-plain of rill with *Calamagrostis sp.*, *Filipendula ulmaria*, *Spiraea sp.*, *Equisetum sylvaticum*, *Plagiomnium sp.*, *Sphagnum spp.* etc., (+5C?), 05.X.2002, leg. A.R.

1 ♀, Tobolsk Field Research Station, mosses and litter and in sweeping on small swamp with *Carex spp.*, *Poaceae*, *Sphagnum girgensohnii*, *Sph. squarrosum*, *Sph. ?riparium*, *Sph. ?balticum*, *Sph. centrale* etc., 21.IX.2003, leg. A.R.

2 ♂♂, 7 ♀♀, Tomsk, *Abies* forest, in grass, 15–16.VIII.1998, leg. A.T.; 3 ♂♂, 4 ♀♀, in moss and litter, 15–16.VIII.1998, leg. A.T.

1 ♂, 2 ♀♀, Samotlor, *Betula* forest, glade, in grass, Aug. 1999, leg. A.T.

2 ♀♀, Luginetsky, *Abies* & *Picea* forest, log, under bark, 22–28.VIII.1998, leg. A.T.; 7 ♂♂, 9 ♀♀, *Abies*, *Picea* & *Betula* forest, in grass, 26.VIII.1998, leg. A.T.; 1 ♀, *Picea*, *Abies* & *Betula* forest, in moss, 26.VIII.1998, leg. A.T.

2 ♂♂, Noyabrskiy, dry *Pinus* forest, *Ledum*, *Vaccinium vitis-idea*, *V. uliginosum*, *Empetrum*, moss & lichen (*Cladina* & *Cetraria*), 12.VIII.2000, leg. A.T.

1 ♂, Tyumen, VI.2000, leg. U.

DISTRIBUTION. Northern Europe and the Caucasus, all Siberia from the Urals to Chukotka, Cisokhotia, Kamchatka, Wrangel Island; from eastern Kazakhstan via the mountains of South Siberia eastward to Khabarovsk Prov., Maritime Prov.; Mongolia, China. In the Nearctic, recorded in Alaska and Saskatchewan.

Improphantes complicatus (Emerton, 1882)

1996 *Lepthyphantes complicatus*, Esysunin, Ekosistemy Srednego Priob'ya, 1, p. 70.

MATERIAL. 1 ♂, Yuganskiy Reserve, Nyogus'yakh River Basin, forest road, 3 km ENE of cordon Bisarkina. Moss and litter in forest with *Picea*, *Pinus sibirica*, *P. sylvestris*, *Betula*, *Equisetum pratense*, *Eq. sylvaticum*, *Pleurozium schreberi*, *Hylocomium splendens*, *Vaccinium myrtillus*, *V. vitis-idaea*, *Sphagnum russowii* (placely), 28.X.1998, leg. A.R.

1 ♀, Luginetsky, swampy spruce (*Picea*) forest, in moss, 25.VIII.1998, leg. A.T.; 1 ♂, *Abies*, *Picea*, *Betula* forest, in moss, 26.VIII.1998, leg. A.T.

1 ♂, Noyabrskiy, dry *Pinus* forest, *Ledum*, *Vaccinium vitis-idea*, *V. uliginosum*, *Empetrum*, in *Cladina* pads, 10.VIII.2000, leg. A.T.

1 ♀, Tyumen, VI.2000, leg. U.

DISTRIBUTION. Throughout the Holarctic.

Incestophantes crucifer (Menge, 1866)

MATERIAL. 1 ♀, Yuganskiy Reserve, Nyogus'yakh River near Kogontchina-2 field research station. Mosses and litter on swamp with *Pinus sylvestris*, *Betula*, *Ledum palustre*, *Andromeda polifolia*, *Chamaedaphne calyculata*, *Vaccinium uliginosum*, *Eriophorum sp.*, *Oxycoccus palustris*, *Sphagnum fuscum*, *Sph. magel-*

anicum, *Sph. ?angustifolium*, *Sph. spp.*, *Rubus chamaemorus* etc., 31.VIII.2000, leg. A.R.

DISTRIBUTION. Europe, the Crimea, the Urals. In Asia, this species has only been registered from eastern Kazakhstan. This is the first record in Siberia.

Incestophantes kochiellus (Strand, 1900)

1996 *Lepthyphantes kochiellus*, Esysunin, Ekosistemy Srednego Priob'ya, 1, p. 70.

DISTRIBUTION. Northern Europe, the Urals, West, Middle and East Siberia, Cisokhotia and Chukotka. Baikal (?), Sakhalin (?).

Kaestneria dorsalis (Wider, 1834)

1996 *Kaestneria dorsalis*, Esysunin, Ekosistemy Srednego Priob'ya, 1, p. 70.

MATERIAL. 2 ♀♀, Yuganskiy Reserve, Bolshoy Yugan River, near cordon Kamennyi. Shore of small flood-plain lake: *Carex spp.*, Gramineae, *Comarum palustre*, *Filipendula ulmaria*, *Salix sp.*, *Ribes sp.*, *Rosa sp.* etc., 19.VIII.1999, leg. A.R.; 1 ♀, Malyi Yugan River Basin, Kol-Kotchen-Yagun River, 3–4 km S of cordon. Moss and litter at river bank: *Padus*, *Salix sp.*, *Spiraea spp.*, *Filipendula ulmaria*, *Ribes nigrum*, *Galium sp.*, *Carex spp.*, Gramineae, *Equisetum spp.*, *?Aulacomnium sp.*, *Plagiomnium sp.*, *Climacium dendroides* et al., 13.IX.1999, leg. A.R.

1 ♀, 10–11 km S of Gornoslinskino, steep right bank of Irtysh River up-stream of Tobolsk Field Research Station, small mosses and litter among *Tussilago farfara* on clay and loam, 03.X.2003, leg. A.R.; 1 ♀, Tobolsk Field Research Station, mosses and litter in swampy birch forest with *Pinus sylvestris*, *Ledum palustre*, *Vaccinium uliginosum*, *Carex globularis*, *Sphagnum girgensohnii*, *Sph. ?russowii*, *Sph. spp.*, *Polytrichum commune*, *P. strictum*, *Pleurozium schreberi*, *?Aulacomnium sp.*, *Climacium dendroides* etc., 30.IX.2003, leg. A.R.

1 ♀, Tomsk Distr., Luginetsky, *Abies*, *Picea*, *Betula* forest, in moss, Aug. 1998, leg. A.T.

DISTRIBUTION. Widespread in Europe, in Siberia from the Urals eastward to Yenisey River; known also from the Lake Baikal region.

Kaestneria pullata (O. Pickard-Cambridge, 1863)

1996 *Kaestneria pullata*, Esysunin, Ekosistemy Srednego Priob'ya, 1, p. 70.

MATERIAL. 1 ♀, Surgutskiy Refuge, Ob' River Basin, right bank of Materikovyi Pisl Channel. Lake shore: *Carex spp.*, *Comarum palustre*, Lamiaceae, *Climacium*, *Plagiomnium sp.* etc., 10.VIII.2000, leg. A.R.

1 ♂, Yuganskiy Reserve, Nyogus'yakh River, cordon Bisarkina. Moss and litter on swamp amid flood plain forest near foot of slope: *Menyanthes trifoliata*, *Equisetum spp.*, *Sphagnum squarrosum* (sparse), *Sph. ?centrale*, *Sph. spp.*, *Nardosmia frigida*, *Carex spp.*, Gramineae, *Salix sp.*, *Comarum palustre*, *Filipendula ulmaria*, *?Tomenthypnum sp.*, *Plagiomnium sp.* etc., 27.X.1998, leg. A.R.; 1 ♂, Bolshoy Yugan River, near cordon Kamennyi. Waterlogged forest with *Picea*, *Abies*, *Pinus sylvestris*, young *Pinus sibirica*, aspen, *Betula*, *Ledum*, *Hylocomium splendens*, *Pleurozium schreberi*, *Sphagnum spp.*, *Polytrichum spp.*, *Carex spp.*, Gramineae, *Linnaea borealis*, *Vaccinium vitis-idaea*, *V. myrtillus*, 24.VIII.1999, leg. A.R.; 1 ♂, Bolshoy Yugan River, near cordon Kamennyi. Margin of small open forest swamp: Gramineae, *Carex spp.*, *Sphagnum spp.*, *Polytrichum commune*, *Comarum palustre* et al., 24.VIII.1999, leg. A.R.; 1 ♀, Malyi Yugan River Basin, 3–5 km SW of cordon at Kol-Kotchen-Yagun River, near lake. Moss and litter at lake shore (on cape

near hut): *Padus*, *Salix*, young *Populus tremula*, sedge and graminoid tussocks, *Comarum palustre*, *Equisetum* spp., *Aulacomnium* sp. et al., 11.IX.1999, leg. A.R.; 2 ♂♂, 5 ♀♀, Malyi Yugan River Basin, 3–5 km SW of cordon at Kol-Kotchen-Yagun River, near lake. Mosses on swamp near N shore of lake: *Sphagnum* spp., *Carex* spp., *Eriophorum* sp., *Chamaedaphne calyculata*, *Andromeda polifolia*, *Oxycoccus* spp., *Vaccinium uliginosum* et al., 18.IX.1999, leg. A.R.; 1 ♂, Nyogus'yakh River Basin near Petchpan'yakh River mouth, N shore of great lake. Mosses, litter, shaking off from grass: *Carex* spp., Gramineae, *Comarum palustre*, *Salix* sp., *Aulacomnium* sp., *Plagiomnium* sp. etc., 08.IX.2000, leg. A.R.; 4 ♀♀, Nyogus'yakh River Basin near Petchpan'yakh River mouth. Mosses and litter on large swamp: *Carex* spp., *Comarum palustre*, *Equisetum* sp., *Eriophorum* sp., Gramineae, *Rumex* sp., *Aulacomnium* sp., *Plagiomnium* sp., *Ptilium crista-castrensis*, *Sphagnum* sp., *Chamaenerium angustifolium*, sparse *Betula* & *Salix* sp., spots of dwarf birch on hummocks etc., 11.IX.2000, leg. A.R.; 1 ♂, 3 ♀♀, Nyogus'yakh River Basin near Petchpan'yakh River mouth. Mosses and litter on large swamp: *Carex* spp., *Comarum palustre*, *Equisetum* sp., *Eriophorum* sp., Gramineae, *Rumex* sp., *Aulacomnium* sp., *Plagiomnium* sp., *Ptilium crista-castrensis*, *Sphagnum* sp., *Chamaenerium angustifolium*, *Betula* and *Salix* sp. etc., 13.IX.2000, leg. A.R.; 1 ♂, 2 ♀♀, Vuya-Yany River near Ay-Vuya-Yany River mouth. Flood-plain lake shore: young *Betula* and *Populus tremula*, *Carex* spp., *Filipendula ulmaria*, Gramineae, *Sphagnum girgensohnii*, *Aulacomnium* sp., *Climacium dendroides*, *Comarum palustre*, 23.VIII.2000, leg. A.R.; 2 ♂♂, Nyogus'yakh River near Kogontchina-2 field research station. Clayish river bank: *Carex* spp., *Equisetum* sp., Gramineae, *Mentha* sp. etc., (shaking off sedges and Gramineae), 07.IX.2000, leg. A.R.; 1 ♂, 2 ♀♀, Nyogus'yakh River Basin near Petchpan'yakh River mouth. Mosses and litter in swampy flood-plain forest, between *Betula*, *Abies sibirica*, *Picea obovata*, *Salix* sp., *Pinus sibirica* etc.: tussocks of *Carex* spp., *Filipendula ulmaria*, Gramineae, *Comarum palustre*, *Menyanthes trifoliata*, *Plagiomnium* sp., *Aulacomnium* sp., *Climacium dendroides* etc., 12.IX.2000, leg. A.R.; 2 ♀♀, near S border of buffer area of Yuganskiy Reserve, Kolylnor Lake. Lake shore: *Carex* spp., Gramineae, *Sphagnum* spp. etc., 29.VIII.2001, leg. A.R.; 1 ♀, near S border of buffer area of Yuganskiy Reserve, Kolylnor Lake. Mosses and litter under *Betula*, *Pinus sylvestris* and *Pinus sibirica* in swamped forest near W shore of lake and between *Carex* spp. with *Sphagnum girgensohnii* at the lake shore, 01.IX.2001, leg. A.R.; 1 ♂, 1 ♀, near S border of buffer area of Yuganskiy Reserve, Koimlor (Krimlor) Lake. Mosses and litter in tussocks between sparse *Betula* and *Salix* sp. near lake shore: *Carex* spp., Gramineae, *Sphagnum squarrosum*, *Sph. centrale*, *Sph. girgensohnii*, *Comarum palustre*, sparse *Equisetum* sp. 02.IX.2001, leg. A.R.; 2 ♂♂, near S border of buffer area of Yuganskiy Reserve, Kolylnor Lake. Lake shore: *Carex* spp., Gramineae, *Sphagnum girgensohnii*, *Sph. squarrosum*, *Sph.* spp. sparse *Betula*, *Salix* sp. etc., 04.IX.2001, leg. A.R.; 1 ♀, near S border of buffer area of Yuganskiy Reserve, rill between Kolylnor Lake and Koimlor (Krimlor) Lake. Rill bank near source: tussocks with *Carex* spp. and Gramineae, *Comarum palustre*, *Sphagnum squarrosum*, *Sph. girgensohnii*, *Sph.* spp., *Plagiomnium* sp. etc., 04.IX.2001, leg. A.R.; 1 ♀, Kol-Kotchen-Yagun River (confluent of Malyi Yugan River) NE of cordon. Swampy flood-plain birch forest: tussocks of *Carex* spp. & Gramineae, *Comarum palustre*, *Filipendula ulmaria*, Ranunculaceae, *Sphagnum girgensohnii*, *Sph.* spp., *Climacium dendroides*, *Plagiomnium* sp. etc., 23.IX.2001, leg. A.R.; 2 ♀♀, Kol-Kotchen-Yagun River Basin (confluent of Malyi Yugan River), lake near cordon. Isolated tussocks of *Carex* spp. and Gramineae between sparse birch wood with *Padus* and *Salix* sp. at lake shore, (+3C?), 29.IX.2001, leg. A.R.; 1 ♂, 3 ♀♀, Kol-Kotchen-Yagun River Basin (confluent of Malyi Yugan River), lake near cordon. Mosses and litter by NE shore of lake: spp., tussocks of *Carex* spp., *Calamagrostis* sp., *Sphagnum squarrosum* (?aongstromii), *Sph. centrale*, *Sph. girgensohnii*, *Sph. russowii* between sparse birch wood with isolated *Pinus sylvestris*. 30.IX.2001, leg. A.R.; 2 ♀♀, Bolshoy Yugan River near Kamennyi cordon, swamped birch forest with *Sphagnum* spp., *Carex* sp., Gramineae,

Ledum palustre etc., 15.VIII.2002, leg. A.R.; 1 ♂, Ay-Magromsy River Basin, Medvezhyi Ugol cordon, sweeping on *Carex rostrata*, C. spp., Gramineae, *Eriophorum* sp. etc., mosses and litter at border of sedge-mossy swamp (including rill source): *Carex rostrata*, C. spp., *Sphagnum girgensohnii*, *Sph.* spp., *Equisetum* spp., *Oxycoccus* spp., *Chamaedaphne calyculata*, *Comarum palustre*, *Calamagrostis* sp., *Menyanthes trifoliata* etc., among sparse young birches, 19.IX.2002, leg. A.R.; 2 ♂♂, 1 ♀, Ay-Magromsy River Basin, Medvezhyi Ugol cordon, mosses and litter in tussocks of *Carex* sp. with *Sphagnum squarrosum*, *Sph. centrale*, *Sph. girgensohnii*, *Sph. russowii*, *Plagiomnium* sp. etc., and also sweeping on *Carex rhynchophysa* among swampy birch forest at SW border of the reserve, 21.IX.2002, leg. A.R.; 1 ♀, Ay-Magromsy River Basin, 3 km N of Medvezhyi Ugol cordon, mosses and litter in hummocky with *Carex* sp., *Filipendula ulmaria*, *Comarum palustre*, *Plagiomnium* sp., *Climacium dendroides*, *Sphagnum russowii*, *Sph.* spp. etc., on flood-plain of rill, 03.X.2002, leg. A.R.

1 ♀, Tobolsk Field Research Station, mosses and litter and in sweeping on small swamp with *Carex* spp., Poaceae, *Sphagnum girgensohnii*, *Sph. squarrosum*, *Sph. riparium*, *Sph. balticum*, *Sph. centrale* etc., 21.IX.2003, leg. A.R.; 1 ♂, mosses and litter in swampy birch forest with *Pinus sylvestris*, *Ledum palustre*, *Vaccinium uliginosum*, *Carex globularis*, *Sphagnum girgensohnii*, *Sph. russowii*, *Sph.* spp., *Polytrichum commune*, *P. strictum*, *Pleurozium schreberi*, *Aulacomnium* sp., *Climacium dendroides* etc., 30.IX.2003, leg. A.R.; 1 ♀, plant debris among *Carex* sp. and Poaceae on promontory at margin of inundated flood-plain of Varpak River; 06.VI.2004, leg. A.R.

1 ♀, Luginetsky, *Abies*, *Picea*, *Betula* forest, in moss, VIII.1998, leg. A.T.

1 ♀, Samotlor, *Betula* forest, glade, in grass, Aug. 1999, leg. A.T.

1 ♀, Tyumen, VI.2000, leg. U.

DISTRIBUTION. Throughout the Holarctic.

Leptorhoptrum robustum (Westring, 1851)

1996 *Leptorhoptrum robustum*, Esyunin, Ekosistemy Srednego Priob'ya, 1, p. 71.

MATERIAL. 1 ♂, Yuganskiy Reserve, Nyogus'yakh River, cordon Bisarkina. River bank: mosses and litter under *Salix* spp., *Padus*, *Matteuccia struthiopteris*, *Filipendula ulmaria*, *Urtica dioica* etc., 29.X.1998, leg. A.R.; 2 ♀♀, Nyogus'yakh River, cordon Bisarkina. Parching rill near cordon: mosses and litter in rill-bed and by banks (*Carex* spp., *Equisetum sylvaticum*, *Sphagnum riparium*, *Sph. girgensohnii*, *Polytrichum commune*, *Filipendula ulmaria*, Gramineae, *Veratrum*, *Linnaea*, *Maianthemum*, *Trientalis*, *Tomenthypnum* sp., *Plagiomnium* sp. etc.), 31.X.1998, leg. A.R.; 1 ♀, Malyi Yugan River Basin, Kol-Kotchen-Yagun River, 3–4 km S of cordon. Moss and litter at river bank: *Padus*, *Salix* sp., *Spiraea* spp., *Filipendula ulmaria*, *Ribes nigrum*, *Gallium* sp., *Carex* spp., Gramineae, *Equisetum* spp., *Aulacomnium* sp., *Plagiomnium* sp., *Climacium dendroides* et al., 13.IX.1999, leg. A.R.; 2 ♂♂, 1 ♀, Vuya-Yany River near Ay-Vuya-Yany River mouth. Flood-plain depression: *Filipendula ulmaria*, *Carex* sp., Gramineae, *Spiraea* sp., *Ribes nigrum*, *Comarum palustre*, *Sphagnum squarrosum*, *Sph. girgensohnii*, *Climacium dendroides*, *Aulacomnium* sp., *Plagiomnium* sp. etc., 24.VIII.2000, leg. A.R.; 1 ♀, Nyogus'yakh River near Kogontchina-2 field research station. River banks near rill mouths: *Carex* sp., Gramineae, *Filipendula ulmaria*, *Salix* sp., *Padus* etc., 03.IX.2000, leg. A.R.

12 ♂♂ & 17 ♀♀, Tomsk, *Abies* forest, in moss and litter, 15–16.VIII.1998, leg. A.T.

1 ♀, Tyumen, VI.2000, leg. U.

DISTRIBUTION. Throughout the Holarctic.

Lophomma punctatum (Blackwall, 1841)

1996 *Lophomma punctatum*, Esyunin, Ekosistemy Srednego Priob'ya, 1, p. 72.

MATERIAL. 1 ♀, Yuganskiy Reserve, Nyogus'yakh River, cordon Bisarkina. Moss and litter on swamp amid flood plain forest near foot of slope: *Menyanthes trifoliata*, *Equisetum* spp., *Sphagnum squarrosum* (sparse), *Sph. ?centrale*, *Sph.* spp., *Nardosmia frigida*, *Carex* spp., Gramineae, *Salix* sp., *Comarum palustre*, *Filipendula ulmaria*, *?Tomenthypnum* sp., *Plagiomnium* sp. etc., 27.X.1998, leg. A.R.; 1 ♀, Nyogus'yakh River Basin near Petchpan'yakh River mouth, N shore of great lake. Mosses, litter, shaking off from grass: *Carex* spp., Gramineae, *Comarum palustre*, *Salix* sp., *?Aulacomnium* sp., *Plagiomnium* sp. etc., 08.IX.2000, leg. A.R.; 1 ♀, Nyogus'yakh River Basin near Petchpan'yakh River mouth. Mosses and litter on large swamp: *Carex* spp., *Comarum palustre*, *Equisetum* sp., *Eriophorum* sp., Gramineae, *Rumex* sp., *?Aulacomnium* sp., *Plagiomnium* sp., *Ptilium crista-castrensis*, *Sphagnum* sp., *Chamaenerium angustifolium*, *Betula* and *Salix* sp. etc., 13.IX.2000, leg. A.R.; 1 ♂, Nyogus'yakh River Basin near Petchpan'yakh River mouth. Mosses and litter on large swamp: *Carex* spp., *Comarum palustre*, *Equisetum* sp., *Nardosmia frigida*, *Eriophorum* sp., Gramineae, *Rumex* sp., *?Aulacomnium* sp., *Plagiomnium* sp., *Ptilium crista-castrensis*, *Sphagnum* sp., *Chamaenerium angustifolium*, *Sphagnum ?russowii*, *Sph.* sp., *Salix* sp. etc., 15.IX.2000, leg. A.R.; 1 ♂, Vuya-Yany River near Ay-Vuya-Yany River mouth. Mosses and litter on swamp: *Pinus sylvestris*, *Ledum palustre*, *Andromeda polifolia*, *Chamaedaphne calyculata*, *Oxycoccus* spp., *Sphagnum magellanicum*, *Sph. ?angustifolium*, *Eriophorum* sp. etc., 27.VIII.2000, leg. A.R.; 2 ♂♂, 3 ♀♀, near S border of buffer area of Yuganskiy Reserve, Kolylnor Lake. Lake shore: *Carex* spp., Gramineae, *Sphagnum* spp. etc., 29.VIII.2001, leg. A.R.; 1 ♂, near S border of buffer area of Yuganskiy Reserve, Kolylnor Lake. Mosses and litter under *Betula*, *Pinus sylvestris* and *Pinus sibirica* in swamped forest near W shore of lake and between *Carex* spp. with *Sphagnum girgensohnii* at the lake shore, 01.IX.2001, leg. A.R.; 3 ♂♂, 1 ♀, near S border of buffer area of Yuganskiy Reserve, Kolylnor Lake. Lake shore: *Carex* spp., Gramineae, *Sphagnum girgensohnii*, *Sph. squarrosum*, *Sph.* spp. sparse *Betula*, *Salix* sp. etc., 04.IX.2001, leg. A.R.; 2 ♀♀, near S border of buffer area of Yuganskiy Reserve, Kolylnor Lake. Mosses and litter by lake shore: *Carex* spp., Gramineae, *Sphagnum girgensohnii*, *Sph. squarrosum*, *Sph.* spp. sparse *Betula*, *Salix* sp. etc., 05.IX.2001, leg. A.R.; 1 ♂, Ay-Magromsky River Basin, Medvezhyi Ugol cordon, mosses and litter at southern border of sedge-mossy swamp: *Carex rostrata*, *C.* spp., *Comarum palustre*, *Equisetum* spp., *Sphagnum girgensohnii*, *Sph.* spp., *Plagiomnium* sp., *Aulacomnium* sp., *Calamagrostis* sp., *Menyanthes trifoliata* etc., among sparse young birches, 04.X.2002, leg. A.R.

DISTRIBUTION. Northern Europe, eastern Kazakhstan, in Siberia known from the Urals eastward to Yenisey River.

Macrargus multesimus (O. Pickard-Cambridge, 1875)

1996 *Macrargus multesimus*, Esyunin, Ekosistemy Srednego Priob'ya, 1, P. 71.

MATERIAL. 2 ♂♂, Surgutskiy Refuge, Ob' River Basin, Materikovyi Pasl Channel. Moss and litter in forest at high river bank with *Abies*, *Picea*, *Populus tremula*, young *Pinus sibirica*, *Hylocomium splendens*, *Pleurozium schreberi*, *Polytrichum commune*, *Maianthemum bifolium*, *Vaccinium vitis-idaea*, *Lycopodium* sp., *Diphasiastrum* sp., *Equisetum sylvaticum*, *Linnaea borealis* etc., 05.VIII.2000, leg. A.R.; 3 ♂♂, 4 ♀♀, Ob' River Basin, Materikovyi Pasl Channel. Moss and litter in forest with *Abies*, *Picea*, *Populus tremula*, *Betula*, young *Pinus sibirica*, *Pleurozium schreberi*, *Hylocomium splendens*, *Dicranum* sp., *Polytrichum commune*, *Equisetum sylvaticum*, *Linnaea borealis*, *Oxalis acetosella*, *Trientalis europaea* etc., 07.VIII.2000, leg. A.R.; 1 ♂, Ob' River Basin, Materikovyi Pasl Channel. Mosses and litter under *Pinus sibirica* and *Picea obovata* with *Hylocomium splendens*, *Pleurozium schreberi*, *Linnaea*, *Vaccinium vitis-idaea*, *V. myrtilus*, *Polytrichum commune*, *Maianthemum bifolium*, *Trientalis europaea*, *Lycopodium* sp., *Diphasiastrum* sp., *Equisetum*

sylvaticum, *E. ?pratense* etc., 12.VIII.2000, leg. A.R.

2 ♂♂, 1 ♀, near Ugut, Kyn'yaminskoye Lake. *Sphagnum girgensohnii*, *Sph. ?russowii*, *Sph. squarrosum*, *Sph. ?centrale*, *Sph.* spp., *Equisetum sylvaticum*, *Polytrichum commune* amid swampy birch forest near lake shore, 11.VIII.2001, leg. A.R.; 2 ♀♀, Kyn'yaminskoye Lake. Mosses and litter at swamp edge with *Carex* spp., Gramineae, *Juncus* sp., *Salix* sp., *Polytrichum commune*, *Sphagnum* spp. etc., near lake shore, 06.VIII.2002, leg. A.R.

1 ♀, Yuganskiy Reserve, near Vuya-Yany River mouth. Moss and litter in flood-plane forest with *Abies*, *Picea*, *Betula*, *Pinus sibirica*, *Sorbus*, *Vaccinium vitis-idaea*, *Equisetum sylvaticum*, *Eq. pratense*, *Hylocomium splendens*, *Pleurozium schreberi*, *Polytrichum commune*, *Ptilium*, *Climacium*, *Maianthemum*, *Trientalis*, *Veratrum* etc., 15.VIII.1998, leg. A.R.; 1 ♀, near Vuya-Yany River mouth. Mosses and litter under *Pinus sibirica*, *Picea*, *Abies*, *Betula* with *Maianthemum*, *Trientalis*, *Vaccinium vitis-idaea*, *Pleurozium*, *Climacium* etc., 12.VIII.1998, leg. A.R.; 2 ♂♂, near Vuya-Yany River mouth. Mosses and litter in flood-plane forest with *Pinus sibirica*, *Abies*, *Picea*, *Betula*, *Rosa*, *Vaccinium vitis-idaea*, *Maianthemum*, *Trientalis*, *Pleurozium schreberi*, *Hylocomium splendens*, *Equisetum sylvaticum*, spots of *Sphagnum ?girgensohnii* and *Sph. ?russowii* etc., 09.VIII.1998, leg. A.R.; 1 ♀, Nyogus'yakh River Basin, forest road, 3 km ENE of cordon Bisarkina. Moss and litter in forest with *Picea*, *Pinus sibirica*, *P. sylvestris*, *Betula*, *Equisetum pratense*, *Eq. sylvaticum*, *Pleurozium schreberi*, *Hylocomium splendens*, *Vaccinium myrtilus*, *V. vitis-idaea*, *Sphagnum russowii* (placely), 28.X.1998, leg. A.R.; 3 ♂♂, 2 ♀♀, Bolshoy Yugan River, near cordon Kamennyi. Moss and litter in pine forest: *Pinus sylvestris*, young *Pinus sibirica*, *Ledum palustre*, *Vaccinium vitis-idaea*, *V. myrtilus*, *Linnaea borealis*, *Hylocomium splendens*, *Pleurozium schreberi*, *Dicranum* sp., *Polytrichum commune* etc., 20.VIII.1999, leg. A.R.; 2 ♀♀, right confluent of Bolshoy Yugan River, 3 km SW of cordon Kamennyi. Moss and litter in flood-plain forest: *Picea*, *Betula*, *Abies*, *Pinus sibirica*, *Sorbus*, *Vaccinium vitis-idaea*, *V. myrtilus*, *Maianthemum bifolium*, *Linnaea borealis*, *Hylocomium splendens*, *Pleurozium schreberi*, *Dicranum* sp., *Polytrichum commune*, 21.VIII.1999, leg. A.R.; 1 ♀, Malyi Yugan River Basin, 3–5 km SW of cordon at Kol-Kotchen-Yagun River, Moss and litter under *Picea* and *Abies* with *Hylocomium splendens*, *Pleurozium schreberi*, *Polytrichum commune*, *Linnaea borealis*, sparse *Equisetum sylvaticum*, *Maianthemum bifolium*, *Trientalis europaea*, *Vaccinium vitis-idaea*, 12.IX.1999, leg. A.R.; 2 ♂♂, Malyi Yugan River Basin, 3–5 km SW of cordon at Kol-Kotchen-Yagun River, near lake. Moss and litter in pine forest with *Betula*, *Pinus sibirica*, *Ledum*, *Chamaedaphne calyculata*, *Vaccinium vitis-idaea*, *Sphagnum* spp., *Pleurozium schreberi*, *Dicranum* sp., *Polytrichum commune*, 14.IX.1999, leg. A.R.; 2 ♀♀, Vuya-Yany River near Ay-Vuya-Yany River mouth. Mosses and litter in forest at crest line: *Pinus sibirica*, *P. sylvestris*, *Picea obovata*, *Abies sibirica*, *Vaccinium vitis-idaea*, *V. myrtilus*, *Linnaea borealis*, *Trientalis europaea*, *Equisetum sylvaticum*, *Pleurozium schreberi*, *Hylocomium splendens*, *Dicranum* sp., *Diphasiastrum* sp., 18.VIII.2000, leg. A.R.; 1 ♂, Vuya-Yany River near Ay-Vuya-Yany River mouth. Mosses and litter in forest at crest line: *Pinus sibirica*, *P. sylvestris*, *Picea obovata*, *Abies sibirica*, *Vaccinium vitis-idaea*, *V. myrtilus*, *Linnaea borealis*, *Trientalis europaea*, *Equisetum sylvaticum*, *Pleurozium schreberi*, *Hylocomium splendens*, *Dicranum* sp., *Diphasiastrum* sp., 21.VIII.2000, leg. A.R.; 2 ♀♀, Nyogus'yakh River near Kogontchina-2 field research station. Mosses and litter under *Pinus sibirica*, *Picea obovata*, *Populus tremula* with *Linnaea borealis*, *Vaccinium vitis-idaea*, *Maianthemum bifolium*, *Trientalis europaea*, *Hylocomium splendens*, *Pleurozium schreberi*, *Equisetum sylvaticum*, *Eq. pratense* etc., 02.IX.2000, leg. A.R.; 1 ♀, near S border of buffer area of Yuganskiy Reserve, Koimlor (Krimlor) Lake. Litter under *Picea obovata* and *Pinus sibirica* with *Lycopodium* sp., *Linnaea borealis*, ferns, Gramineae, *Trientalis europaea*, sparse *Ledum palustre* etc., in moist forest near lake shore, 02.IX.2001, leg. A.R.; 1 ♀, near S border of buffer area of Yuganskiy Reserve, rill between Kolylnor Lake and Koimlor (Krimlor) Lake. Mosses and litter under *Pinus sibirica* in forest at the rill bank: *Lycopodium* sp.,

ferns, *Linnaea borealis*, *Vaccinium vitis-idaea*, *Orthilia secunda*, *Pleurozium schreberi*, *Hylocomium splendens*, *Dicranum* sp., *Polytrichum* sp., *Calamagrostis* sp., sparse *Ledum palustre* etc., 04.IX.2001, leg. A.R.; 2 ♂♂, Kol-Kotchen-Yagun River (confluent of Mal'yi Yugan River) E of cordon. Loamy river bank with *Carex* spp., Gramineae, *Equisetum* spp., small *Rosa* sp. & *Salix* sp. etc., 16.IX.2001, leg. A.R.; 2 ♀♀, Kol-Kotchen-Yagun River Basin (confluent of Mal'yi Yugan River), lake near cordon. Overgrown mesotrophic swamp: mosses and litter under *Pinus sylvestris*, *P. sibirica*, *Betula* with *Ledum palustre*, *Vaccinium vitis-idaea*, *V. myrtillus*, *Carex globularis*, *Hylocomium splendens*, *Pleurozium schreberi*, *Polytrichum commune*, *P. strictum*, *Dicranum* sp., *Linnaea borealis* etc., 19.IX.2001, leg. A.R.; 1 ♂, 2 ♀♀, Kol-Kotchen-Yagun River Basin (confluent of Mal'yi Yugan River), lake near cordon. Mosses and litter under *Pinus sylvestris*, *P. sibirica*, *Picea obovata* in forest near cordon: *Ledum palustre*, *Chamaedaphne calyculata*, *Pleurozium schreberi*, *Hylocomium splendens*, *Dicranum* sp., *Polytrichum commune*, *Vaccinium vitis-idaea*, *V. myrtillus*, spots of *Sphagnum girgensohnii* and *Sph. russowii* et al., 25.IX.2001, leg. A.R.; 1 ♀, Kol-Kotchen-Yagun River Basin (confluent of Mal'yi Yugan River), lake near cordon. Mosses and litter under *Pinus sylvestris*, *P. sibirica* and elfin wood of *Abies sibirica* with *Vaccinium vitis-idaea*, *V. myrtillus*, *Linnaea borealis*, *Pleurozium schreberi*, *Hylocomium splendens*, *Dicranum* sp., *Lycopodium* sp., sparse *Ledum palustre* et al., in forest on hill crest NW of lake, 01.X.2001, leg. A.R.; 2 ♂♂, 4 ♀♀, Kol-Kotchen-Yagun River Basin (confluent of Mal'yi Yugan River), lake near cordon. Mosses and litter under *Pinus sibirica*, *P. sylvestris* and *Picea obovata* with *Sphagnum girgensohnii*, *Vaccinium vitis-idaea*, *V. myrtillus*, *Hylocomium splendens*, *Dicranum* sp., *Ledum palustre*, *Chamaedaphne calyculata* et al., in forest near NE shore of lake. 01.X.2001, leg. A.R.; 1 ♂, 1 ♀, right riverside of Bolshoy Yugan River near cordon Kamennyi. Mosses and litter in forest with *Picea obovata*, *Abies sibirica*, *Pinus sibirica*, *Carex* spp. and Gramineae with *Sphagnum girgensohnii*, *Sph.* spp., *Polytrichum commune* etc., in waterlogged birch forest on flood-plain, 21.VIII.2002, leg. A.R.; 1 ♂, Ay-Magromsy River Basin, Medvezhyi Ugol cordon, mosses and litter at the foot of slope near border of open swamp: *Pinus sylvestris*, *P. sibirica*, *Picea obovata*, *Juniperus communis*, *Ledum palustre*, *Chamaedaphne calyculata*, *Carex globularis*, *Pleurozium schreberi*, *Dicranum polysetum*, *Polytrichum* spp., *Sphagnum* spp., *Equisetum sylvaticum*, *Eq. pratense*, *Vaccinium vitis-idaea* etc., 25.IX.2002, leg. A.R.; 1 ♀, Ay-Magromsy River Basin, Medvezhyi Ugol cordon, mosses and litter under *Betula* and *Pinus sylvestris* on swampy plate at border of the reserve (about 1 km N of the cordon) with *Hylocomium splendens*, *Pleurozium schreberi*, *Carex globularis*, *Polytrichum commune*, *Sphagnum* spp., *Linnaea borealis*, *Equisetum sylvaticum* etc., (+6C?), 27.IX.2002, leg. A.R.; 4 ♀♀, Mal'yi Yugan River, near cordon below Lyarykni River mouth, mosses and litter in forest near river bank: *Pleurozium schreberi*, *Hylocomium splendens*, *Dicranum polysetum*, sparse *Polytrichum commune*, spots of *Sphagnum girgensohnii*, *Linnaea borealis*, *Vaccinium vitis-idaea*, *Equisetum sylvaticum*, *Majanthemum bifolium*, *Carex globularis*, *Rubus saxatilis*, *Trientalis europaea*, Poaceae, *Oxalis acetosella* etc., under *Pinus sibirica*, *P. sylvestris*, *Abies*, *Picea*, *Betula*, *Populus tremula*, 18.VIII.2003, leg. A.R.

1 ♀, Tobolsk Field Research Station, mosses and litter under *Pinus sylvestris*, *P. sibirica*, *Picea*, young *Abies* with *Ledum palustre*, *Vaccinium vitis-idaea*, *V. myrtillus*, Poaceae, *Carex globularis*, *Linnaea borealis*, *Pleurozium schreberi*, *Hylocomium splendens*, *Dicranum polysetum* etc., on upper part of slope, 02.X.2003, leg. A.R.; 1 ♀, near Gornoslinskino, right bank of Irtysh River, mosses and litter in pine-ledum sparse forest with *Chamaedaphne calyculata*, *Salix* spp., *Vaccinium uliginosum*, *V. vitis-idaea*, *Oxycoccus* sp., *Rubus chamaemorus*, *Carex* spp., *Eriophorum* sp., Poaceae, *Sphagnum ?balticum*, *Sph. ?russowii*, *Sph. magellanicum*, *Sph. fuscum*, *Pleurozium schreberi*, *Dicranum polysetum* etc., 12.VI.2004, leg. A.R.

6 ♂♂, 3 ♀♀, Luginetsky, *Abies*, *Picea*, *Betula* forest, in moss, VIII.1998, leg. A.T.; 1 ♂, 6 ♀♀, *Picea* & *Betula* forest, in moss, 22–28.VIII.1998, leg. A.T.; 5 ♂♂, *Picea*, *Populus* & *Betula*

forest, in litter, 22–28.VIII.1998, leg. A.T.; 6 ♂♂, 2 ♀♀, swampy spruce (*Picea*) forest, in moss, 25.VIII.1998, leg. A.T.

1 ♀, Samotlor, *Pinus* forest, in moss and lichen, Aug. 1999, leg. A.T.; 3 ♂♂, 6 ♀♀, *Populus* forest, in moss, Aug. 1999, leg. A.T.; 1 ♀, *Populus* forest, under *Ledum*, in moss, Aug. 1999, A.T. leg.; 1 ♂, *Populus* & *Pinus* forest, in moss, Aug. 1999, leg. A.T.

1 ♀, Noyabrsky, *Salix* bushes along brook, litter, 15.VIII.2000, leg. A.T.; 3 ♂♂, 8 ♀♀, *Pinus* forest, moss & lichen (*Cladina* & *Cetraria*), 10–12.VIII.2000, leg. A.T.

1 ♀, Tyumen, VI.2000, leg. U.

DISTRIBUTION. Throughout the Holarctic.

Macrargus rufus (Wider, 1834)

1996 *Macrargus rufus*, Esyunin, Ekosistemy Srednego Priob'ya, 1, p. 71.

MATERIAL. 5 ♂♂, 7 ♀♀, Luginetsky, *Picea* & *Betula* forest, in moss, 21–28.VIII.1998, leg. A.T.

1 ♀, Tyumen Area, Nefteyugansk, mixed forests: *Abies*, *Pinus sibirica*, *Picea*, *Betula* with *Equisetum*, *Vaccinium* spp., *Empetrum*, mosses, VIII.2001, leg. A.T.

DISTRIBUTION. Europe, the Urals, West Siberia.

Maro saaristoi Eskov, 1980

MATERIAL. 1 ♀, Yuganskiy Reserve, Nyogus'yakh River near Kogontchina-2 field research station. Mosses and litter on swamp with *Pinus sylvestris*, *Betula*, *Ledum palustre*, *Andromeda polifolia*, *Chamaedaphne calyculata*, *Vaccinium uliginosum*, *Eriophorum* sp., *Oxycoccus palustris*, *Sphagnum fuscum*, *Sph. magellanicum*, *Sph. ?angustifolium*, *Sph.* spp., *Rubus chamaemorus* etc., 31.VIII.2000, leg. A.R.; 1 ♂, 2 ♀♀, Ay-Magromsy River Basin, Medvezhyi Ugol cordon, mosses and litter at rill bank and on flood-plain of rill: *Calamagrostis* sp., *Ribes* spp., *Rosa* sp., *Filipendula ulmaria*, *Matteuccia struthiopteris*, *Equisetum sylvaticum*, *Sphagnum squarrosum*, *Sph. girgensohnii*, *Sph.* spp., *Plagiomnium* sp. etc., 20.IX.2002, leg. A.R.; 2 ♂♂, Nyogus'yakh River near Kogontchina-2 field research station. Mosses and litter under *Betula*, *Abies sibirica*, *Picea obovata*, *Pinus sibirica* with *Hylocomium splendens*, *Linnaea borealis*, *Oxalis acetosella*, *Majanthemum bifolium*, *Pyrola* sp., *Trientalis europaea*, *Equisetum pratense*, *Eq. sylvaticum* etc., on 1st fluvial terrace above flood-plain, 29.VIII.2000, leg. A.R.

DISTRIBUTION. West and Middle Siberia, Cisokhotia, in the mountains of South Siberia registered from Tuva and Sayan. This is the first record in West Siberia.

Maro sp.

1996 *Maro sublestus*, Esyunin, Ekosistemy Srednego Priob'ya, 1, p. 71. (not seen).

MATERIAL. 1 ♀, Tomsk Distr., Luginetsky, *Abies*, *Picea*, *Betula* forest, in moss, VIII.1998, leg. A.T.

1 ♂, Tyumen, VI.2000, leg. U.

NOTE. This species is new and will be described elsewhere.

Maso sundevalli (Westring, 1851)

1996 *Maso sundevalli*, Esyunin, Ekosistemy Srednego Priob'ya, 1, p. 72.

MATERIAL. 1 ♂, 2 ♀♀, Surgutskiy Refuge, Ob' River Basin, Materikovyi Pasl Channel. Moss and litter in forest at high river bank with *Abies*, *Picea*, *Populus tremula*, young *Pinus sibirica*, *Hylocomium splendens*, *Pleurozium schreberi*, *Polytrichum commune*, *Majanthemum bifolium*, *Vaccinium vitis-idaea*,

Lycopodium sp., *Diphasiastrum* sp., *Equisetum sylvaticum*, *Linnaea borealis* etc., 05.VIII.2000, leg. A.R.; 1 ♀, Ob' River Basin, Materikovy Pasi Channel. Moss and litter in forest with *Abies*, *Picea*, *Populus tremula*, *Betula*, young *Pinus sibirica*, *Pleurozium schreberi*, *Hylocomium splendens*, *Dicranum* sp., *Polytrichum commune*, *Equisetum sylvaticum*, *Linnaea borealis*, *Oxalis acetosella*, *Trientalis europaea* etc., 07.VIII.2000, leg. A.R.; 2 ♀♀, Ob' River Basin, Materikovy Pasi Channel, 2 km S of cordon. Mosses and litter in forest with *Pinus sibirica*, *Populus tremula*, *Picea obovata*, *Pinus sylvestris*, *Sorbus sibirica*, *Hylocomium splendens*, *Pleurozium schreberi*, *Dicranum* sp., *Polytrichum commune*, *Lycopodium* sp., *Diphasiastrum* sp., *Diplazium sibiricum*, *Vaccinium vitis-idaea*, *V. myrtillus*, *Majanthemum bifolium*, *Trientalis europaea*, *Equisetum sylvaticum*, *Ledum palustre* etc., 09.VIII.2000, leg. A.R.;

2 ♀♀, Yuganskiy Reserve, Malyi Yugan River Basin, 3-5 km SW of cordon at Kol-Kotchen-Yagun River, Moss and litter under *Picea* and *Abies* with *Hylocomium splendens*, *Pleurozium schreberi*, *Polytrichum commune*, *Linnaea borealis*, sparse *Equisetum sylvaticum*, *Majanthemum bifolium*, *Trientalis europaea*, *Vaccinium vitis-idaea*, 12.IX.1999, leg. A.R.; 1 ♀, Malyi Yugan River Basin, 3-5 km SW of cordon at Kol-Kotchen-Yagun River, near lake. Moss and litter under *Pinus sibirica*, *Picea*, *Betula*, *Pinus sylvestris* with *Vaccinium myrtillus*, *V. vitis-idaea*, *Lycopodium*, *Equisetum sylvaticum*, *Rosa* sp., *Pleurozium schreberi* on gentle slope, 20.IX.1999, leg. A.R.; 3 ♂♂, 1 ♀, near S border of buffer area of Yuganskiy Reserve, Koimlor (Krimlor) Lake. Litter under *Picea obovata* and *Pinus sibirica* with *Lycopodium* sp., *Linnaea borealis*, ferns, Gramineae, *Trientalis europaea*, sparse *Ledum palustre* etc., in moist forest near lake shore, 02.IX.2001, leg. A.R.; 1 ♀, Kol-Kotchen-Yagun River (confluent of Malyi Yugan River) E of cordon. Loamy river bank with *Carex* spp., Gramineae, *Equisetum* spp., small *Rosa* sp. & *Salix* sp. etc., 16.IX.2001, leg. A.R.; 1 ♀, Ay-Magromsy River Basin, Medvezhiy Ugol cordon, mosses and litter under *Populus tremula*, *Pinus sibirica*, *Picea obovata*, *Pinus sylvestris* with *Abies* thicket, *Hylocomium splendens*, *Pleurozium schreberi*, *Dicranum polysetum*, *Polytrichum commune*, *Equisetum sylvaticum*, *Vaccinium vitis-idaea*, *Linnaea borealis* etc., (+3C?, after first snowfall), 13.IX.2002, leg. A.R.; 1 ♂, 1 ♀, Ay-Magromsy River Basin, 1 km N of Medvezhiy Ugol cordon, mosses and litter on flood-plain of rill with *Calamagrostis* sp., *Filipendula ulmaria*, *Spiraea* sp., *Equisetum sylvaticum*, *Plagiomnium* sp., *Sphagnum* spp. etc., (+5C?), 05.X.2002, leg. A.R.

1 ♀, Tobolsk Field Research Station, in litter under *Pinus sibirica*, *Picea*, *Betula*, *Abies*, *Tilia*, *Populus tremula* with *Lonicera* sp., *Carex globularis*, *Oxalis acetosella*, *Pyrola* sp., *Delpbinium* sp., *Lathyrus* sp., *Equisetum sylvaticum* etc., on slope, 20.IX.2003, leg. A.R.; 1 ♀, in litter under *Pinus sibirica*, *Tilia cordata*, *Betula*, *Populus tremula*, *Picea obovata*, *Abies sibirica* with *Carex globularis*, *Stellaria* sp., *Majanthemum bifolium*, *Lathyrus* sp., *Equisetum sylvaticum*, *Pyrola* sp. etc., on slope, 06.VI.2004, leg. A.R.

4 ♀♀, Samotlor, *Pinus* forest, in moss and lichen, Aug. 1999, leg. A.T.; 1 ♀, *Populus* & *Pinus* forest, in moss, Aug. 1999, leg. A.T.

13 ♀♀, Luginetsky, *Abies*, *Picea*, *Betula* forest, in moss, VIII.1998, leg. A.T.; 4 ♀♀, *Picea* & *Betula* forest, in moss, 22-28.VIII.1998, leg. A.T.; 3 ♀♀, *Picea*, *Populus* & *Betula* forest, in litter, 22-28.VIII.1998, leg. A.T.; 2 ♀♀, *Picea*, *Abies* & *Betula* forest, in moss, 26.VIII.1998, leg. A.T.; 2 ♀♀, *Picea* & *Betula* forest, in moss, 21.VIII.1998, leg. A.T.

2 ♀♀, Noyabrsky, *Picea* wood, moss & lichen, 16.VIII.2000, leg. A.T.

3 ♀♀, Nefteyugansk, mixed forests: *Abies*, *Pinus sibirica*, *Picea*, *Betula* with *Equisetum*, *Vaccinium* spp., *Empetrum*, mosses, VIII.2001, leg. A.T.

1 ♀, Tyumen, VI.2000, leg. U.

DISTRIBUTION. All over the Holarctic.

Metopobacterus prominulus (O. Pickard-Cambridge, 1872)

1996 *Metopobacterus prominulus*, Esyunin, Ekosistemy Srednego Priob'ya, 1, p. 72.

MATERIAL. 1 ♂, Noyabrsky, *Salix* bushes along brook, litter, 15.VIII.2000, leg. A.T.

DISTRIBUTION. Throughout the Holarctic.

Micrargus herbigradus (Blackwall, 1854)

1996 *Micrargus herbigradus*, Esyunin, Ekosistemy Srednego Priob'ya, 1, p. 72.

MATERIAL. 1 ♂, Yuganskiy Reserve, Nyogus'yakh River, cordon Bisarkina. Moss and litter at swamp amid flood-plain forest near foot of slope: *Menyanthes trifoliata*, *Equisetum* sp., *Sphagnum* spp., *Comarum palustre*, *Filipendula ulmaria*, *?Tomenthypnum* sp., *Plagiomnium* sp. etc., with sparse *Betula*, *Picea*, *Abies*, *Pinus sibirica*, 25.X.1998, leg. A.R.; 2 ♂♂, 6 ♀♀, Nyogus'yakh River, cordon Bisarkina. Parching rill near cordon: mosses and litter in rill-bed and by banks (*Carex* spp., *Equisetum sylvaticum*, *Sphagnum riparium*, *Sph.* *?girgensobnii*, *Polytrichum commune*, *Filipendula ulmaria*, Gramineae, *Veratrum*, *Linnaea*, *Majanthemum*, *Trientalis*, *Tomenthypnum* sp., *Plagiomnium* sp. etc.), 31.X.1998, leg. A.R.; 4 ♂♂, 5 ♀♀, Nyogus'yakh River, cordon Bisarkina. Mosses and litter on slope near parched rill about cordon: *Abies*, *Picea*, *Betula*, *Sorbus*, *Hylocomium splendens*, *Pleurozium schreberi*, *Ptilium*, *Majanthemum*, *Trientalis*, *Linnaea*, *Equisetum sylvaticum*, *Polytrichum commune*, *Oxalis* etc., 31.X.1998, leg. A.R.; 3 ♀♀, Malyi Yugan River Basin, 3-5 km SW of cordon at Kol-Kotchen-Yagun River, near lake. Moss and litter under *Pinus sibirica* with *Vaccinium vitis-idaea*, *Ledum*, *Linnaea borealis*, *Carex ?globularis*, *Equisetum sylvaticum*, *Hylocomium splendens*, *Pleurozium schreberi*, *Dicranum* sp., 31.VIII.1999, leg. A.R.; 1 ♀, Malyi Yugan River Basin, 3-5 km SW of cordon at Kol-Kotchen-Yagun River, near lake. Moss and litter under *Betula* in swampy pine-birch light forest with *Picea*, young *Pinus sibirica*, *Pleurozium schreberi*, *Sphagnum* spp., *Vaccinium myrtillus*, *V. vitis-idaea*, *Ledum*, *Chamaedaphne calyculata*, *Equisetum sylvaticum*, 09.IX.1999, leg. A.R.; 3 ♀♀, Malyi Yugan River Basin, 3-5 km SW of cordon at Kol-Kotchen-Yagun River, near lake. Moss and litter in pine forest with *Betula*, *Pinus sibirica*, *Ledum*, *Chamaedaphne calyculata*, *Vaccinium vitis-idaea*, *Sphagnum* spp., *Pleurozium schreberi*, *Dicranum* sp., *Polytrichum commune* (here and there) et al., 14.IX.1999, leg. A.R.; 2 ♀♀, Nyogus'yakh River near Kogontchina-2 field research station. Mosses and litter on swamp with *Pinus sylvestris*, *Betula*, *Ledum palustre*, *Andromeda polifolia*, *Chamaedaphne calyculata*, *Vaccinium uliginosum*, *Eriophorum* sp., *Oxycoccus palustris*, *Sphagnum fuscum*, *Sph. magellanicum*, *Sph. ?angustifolium*, *Sph.* spp., *Rubus chamaemorus* etc., 31.VIII.2000, leg. A.R.; 2 ♂♂, 6 ♀♀, Nyogus'yakh River near Kogontchina-2 field research station. Rill banks from raised moss to confluence with Nyogus'yakh River: *Sph. ?angustifolium*, *Sph. magellanicum*, *Sphagnum ?russowii*, *Sph. girgensobnii*, *Sph. riparium*, *Carex globularis*, *C. acuta*, *C.* sp., *Filipendula ulmaria*, *Plagiomnium* sp., *Marchantia* sp. etc., 04.IX.2000, leg. A.R.; 1 ♂, 7 ♀♀, Nyogus'yakh River Basin near Petchpan'yakh River mouth. Mosses and litter on large swamp: *Carex* spp., *Comarum palustre*, *Equisetum* sp., *Eriophorum* sp., Gramineae, *Rumex* sp., *?Aulacomnium* sp., *Plagiomnium* sp., *Ptilium crista-castrensis*, *Sphagnum* sp., *Chamaenerium angustifolium*, sparse *Betula* & *Salix* sp., spots of dwarf birch on hummocks etc., 11.IX.2000, leg. A.R.; 15 ♂♂ & ♀♀, Vuya-Yany River near Ay-Vuya-Yany River mouth. Mosses and litter in forest at crest line: *Pinus sibirica*, *P. sylvestris*, *Picea obovata*, *Abies sibirica*, *Vaccinium vitis-idaea*, *V. myrtillus*, *Linnaea borealis*, *Trientalis europaea*, *Equisetum sylvaticum*, *Pleurozium schreberi*, *Hylocomium splendens*, *Dicranum* sp., *Diphasiastrum* sp., 18.VIII.2000, leg. A.R.; 1 ♂, 4 ♀♀, Vuya-Yany River near Ay-Vuya-Yany River mouth. Mosses and litter in forest at crest line: *Pinus sibirica*, *P. sylvestris*, *Picea obovata*, *Abies sibirica*, *Vaccinium vitis-idaea*, *V. myrtillus*, *Linnaea borealis*, *Trientalis europaea*, *Equisetum sylvaticum*, *Pleurozium schreberi*, *Hylocomium splendens*, *Dicranum* sp., *Diphasiastrum* sp., 21.VIII.2000, leg. A.R.; 1 ♀, Vuya-Yany River near Ay-Vuya-Yany River mouth. Mosses and litter on swamp: *Pinus sylvestris*, *Ledum palustre*, *Andromeda polifolia*,

Chamaedaphne calyculata, *Oxycoccus* spp., *Sphagnum magellanicum*, *Sph. ?angustifolium*, *Eriophorum* sp. etc., 27.VIII.2000, leg. A.R.; 3 ♀♀, Nyogus'yakh River near Kogontchina-2 field research station. Mosses and litter under *Betula*, *Abies sibirica*, *Picea obovata*, *Pinus sibirica* with *Hylocomium splendens*, *Linnaea borealis*, *Oxalis acetosella*, *Majanthemum bifolium*, *Pyrola* sp., *Trientalis europaea*, *Equisetum pratense*, *Eq. sylvaticum* etc., on 1st fluvial terrace above flood-plain, 29.VIII.2000, leg. A.R.; 5 ♂♂, 4 ♀♀, Nyogus'yakh River near Kogontchina-2 field research station. Mosses and peat on flood-plain forest swamp with *Filipendula ulmaria*, Gramineae, *Ribes nigrum*, *Sorbus sibirica*, *Rosa* sp., *Matteuccia struthiopteris*, *Comarum palustre*, *Rubus saxatilis* etc., 29.VIII.2000, leg. A.R.; 1 ♂, Nyogus'yakh River near Kogontchina-2 field research station. River bank: *Filipendula ulmaria*, Gramineae, *Salix* sp., *Padus avium*, *Gallium* sp., mosses. 30.VIII.2000, leg. A.R.; 4 ♂♂, 3 ♀♀, Nyogus'yakh River near Kogontchina-2 field research station. Mosses and peat under *Carex ?globularis* near small forest swamp on island in the middle of large high moor, 02.IX.2000, leg. A.R.; 2 ♂♂, 5 ♀♀, Nyogus'yakh River near Petchpan'yakh River mouth. Mosses and litter under *Abies sibirica*, *Betula*, *Pinus sibirica*, *Sorbus sibirica* with *Hylocomium splendens*, *Pleurozium schreberi*, Gramineae, *Equisetum pratense*, *Eq. sylvaticum*, *Majanthemum bifolium*, *Trientalis europaea*, *Linnaea borealis*, *Vaccinium vitis-idaea* etc., in flood-plain forest on natural levee, 09.IX.2000, leg. A.R.; 4 ♀♀, Nyogus'yakh River Basin near Petchpan'yakh River mouth. Mosses and litter in swampy flood-plain forest, between *Betula*, *Abies sibirica*, *Picea obovata*, *Salix* sp., *Pinus sibirica* etc.: tussocks of *Carex* spp., *Filipendula ulmaria*, Gramineae, *Comarum palustre*, *Menyanthes trifoliata*, *Plagiomnium* sp., *Aulacomnium* sp., *Climacium dendroides* etc., 12.IX.2000, leg. A.R.; 2 ♂♂, 6 ♀♀, near S border of buffer area of Yuganskiy Reserve, Kolylnor Lake. Lake shore: *Carex* spp., Gramineae, *Sphagnum* spp. etc., 29.VIII.2001, leg. A.R.; 2 ♀♀, near S border of buffer area of Yuganskiy Reserve, rill between Kolylnor Lake and Koimlor (Krimlor) Lake. Mosses and litter under *Pinus sibirica* in forest at the rill bank: *Lycopodium* sp., ferns, *Linnaea borealis*, *Vaccinium vitis-idaea*, *Orthilia secunda*, *Pleurozium schreberi*, *Hylocomium splendens*, *Dicranum* sp., *Polytrichum* sp., *Calamagrostis* sp., sparse *Ledum palustre* etc., 04.IX.2001, leg. A.R.; 3 ♂♂, 4 ♀♀, near S border of buffer area of Yuganskiy Reserve, Kolylnor Lake. Mosses and litter by lake shore: *Carex* spp., Gramineae, *Sphagnum girgensohnii*, *Sph. squarrosum*, *Sph.* spp. sparse *Betula*, *Salix* sp. etc., 05.IX.2001, leg. A.R.; 2 ♂♂, near S border of buffer area of Yuganskiy Reserve, Kolylnor Lake. Mosses and litter under *Pinus sylvestris*, *Betula*, *Pinus sibirica* with *Pleurozium schreberi*, *Ledum palustre* etc., between hummocks of *Sphagnum* spp. near the lake. 05.IX.2001, leg. A.R.; 1 ♀, Kol-Kotchen-Yagun River Basin (confluent of Malyi Yugan River), lake near cordon. Overgrown mesotrophic swamp: mosses and litter under *Pinus sylvestris*, *P. sibirica*, *Betula* with *Ledum palustre*, *Vaccinium vitis-idaea*, *V. myrtillus*, *Carex globularis*, *Hylocomium splendens*, *Pleurozium schreberi*, *Polytrichum commune*, *P. strictum*, *Dicranum* sp., *Linnaea borealis* etc., 19.IX.2001, leg. A.R.; 2 ♀♀, Kol-Kotchen-Yagun River Basin (confluent of Malyi Yugan River), lake near cordon. Moss and litter at lake shore (on cape near old hut): sedge and graminoid small tussocks, *Comarum palustre*, *Climacium dendroides*, *?Hypnum* sp., *Plagiomnium* sp., *Sphagnum* spp. et al., between young *Betula* sp. & *Populus tremula* with *Padus*, *Salix* sp. and *Rosa* sp. 24.IX.2001, leg. A.R.; 3 ♀♀, Kol-Kotchen-Yagun River Basin (confluent of Malyi Yugan River), lake near cordon. Mosses and litter under *Pinus sylvestris*, *P. sibirica*, *Picea obovata* in forest near cordon: *Ledum palustre*, *Chamaedaphne calyculata*, *Pleurozium schreberi*, *Hylocomium splendens*, *Dicranum* sp., *Polytrichum commune*, *Vaccinium vitis-idaea*, *V. myrtillus*, spots of *Sphagnum girgensohnii* and *Sph. russowii* et al., 25.IX.2001, leg. A.R.; 2 ♂♂, 2 ♀♀, Kol-Kotchen-Yagun River Basin (confluent of Malyi Yugan River), lake near cordon. Mosses and litter under *Pinus sylvestris*, *P. sibirica* and elfin wood of *Abies sibirica* with *Vaccinium vitis-idaea*, *V. myrtillus*, *Linnaea borealis*, *Pleurozium schreberi*, *Hylocomium splendens*, *Dicranum* sp., *Lycopodium* sp., sparse *Ledum palustre* et al., in forest on hill crest NW

of lake. 01.X.2001, leg. A.R.; 4 ♂♂, 2 ♀♀, Kol-Kotchen-Yagun River Basin (confluent of Malyi Yugan River), lake near cordon. Mosses and litter under *Pinus sibirica*, *P. sylvestris* and *Picea obovata* with *Sphagnum girgensohnii*, *Vaccinium vitis-idaea*, *V. myrtillus*, *Hylocomium splendens*, *Pleurozium schreberi*, *Dicranum* sp., *Ledum palustre*, *Chamaedaphne calyculata* et al., in forest near NE shore of lake. 01.X.2001, leg. A.R.; 3 ♂♂, 2 ♀♀, right riverside of Bolshoy Yugan River near Kamennyi cordon. Mosses and litter in pine forest with *Cladonia* spp., *Vaccinium vitis-idaea*, *Pleurozium schreberi*, *Dicranum ?polysetum*, sparse *Ledum palustre* etc., 18.VIII.2002, leg. A.R.; 2 ♂♂, 1 ♀, Ay-Magromsy River Basin, Medvezhyi Ugol cordon, mosses and litter at swamp border: *Carex rostrata*, *Sphagnum girgensohnii*, *Sph.* spp. etc., among sparse young birches, 11.IX.2002, leg. A.R.; 5 ♂♂, 1 ♀, Ay-Magromsy River Basin, Medvezhyi Ugol cordon, sweeping on *Carex rostrata*, *C.* spp., mosses and litter at swamp border: *Carex rostrata*, *Sphagnum girgensohnii*, *Sph.* spp. etc., among sparse young birches, (+7C?), 15.IX.2002, leg. A.R.; 2 ♀♀, Ay-Magromsy River Basin, Medvezhyi Ugol cordon, mosses and litter at rill bank: *Carex rhynchophysa*, *Sphagnum* spp., *Plagiomnium* sp. etc., 16.IX.2002, leg. A.R.; 1 ♀, Ay-Magromsy River Basin, Medvezhyi Ugol cordon, mosses and litter under *Pinus sylvestris*, *P. sibirica*, *Picea obovata*, *Betula* with *Vaccinium vitis-idaea*, *V. myrtillus*, *Pleurozium schreberi*, *Hylocomium splendens*, *Dicranum polysetum*, *Sphagnum ?warnstorffii*, *Linnaea borealis*, *Equisetum sylvaticum* etc., under aspen trunk, and under mosses, lichens, bark scales on bases of pine trees, 18.IX.2002, leg. A.R.; 2 ♂♂, 4 ♀♀, Ay-Magromsy River Basin, Medvezhyi Ugol cordon, mosses and litter at rill bank and on flood-plain of rill: *Calamagrostis* sp., *Ribes* spp., *Rosa* sp., *Filipendula ulmaria*, *Matteuccia struthiopteris*, *Equisetum sylvaticum*, *Sphagnum squarrosum*, *Sph. girgensohnii*, *Sph.* spp., *Plagiomnium* sp. etc., 20.IX.2002, leg. A.R.; 2 ♂♂, Ay-Magromsy River Basin, Medvezhyi Ugol cordon, mosses and litter in tussocks of *Carex* sp. with *Sphagnum squarrosum*, *Sph. centrale*, *Sph. girgensohnii*, *Sph. russowii*, *Plagiomnium* sp. etc., and also sweeping on *Carex rhynchophysa* among swampy birch forest at SW border of the reserve, 21.IX.2002, leg. A.R.; 2 ♀♀, Ay-Magromsy River Basin, Medvezhyi Ugol cordon, mosses and litter at southern border of sedge-mossy swamp: *Carex rostrata*, *C.* spp., *Comarum palustre*, *Equisetum* spp., *Sphagnum girgensohnii*, *Sph.* spp., *Plagiomnium* sp., *Aulacomnium* sp., *Calamagrostis* sp., *Menyanthes trifoliata* etc., among sparse young birches, (+7C?), 23.IX.2002, leg. A.R.; 1 ♂, 5 ♀♀, Ay-Magromsy River Basin, Medvezhyi Ugol cordon, mosses and litter at the foot of slope near border of open swamp: *Pinus sylvestris*, *P. sibirica*, *Picea obovata*, *Juniperus communis*, *Ledum palustre*, *Chamaedaphne calyculata*, *Carex globularis*, *Pleurozium schreberi*, *Dicranum polysetum*, *Polytrichum* spp., *Sphagnum* spp., *Equisetum sylvaticum*, *Eq. pratense*, *Vaccinium vitis-idaea* etc., (+14– +8C?), 25.IX.2002, leg. A.R.; 3 ♂♂, 6 ♀♀, Ay-Magromsy River Basin, Medvezhyi Ugol cordon, mosses and litter near rill: *Plagiomnium* sp., *Sphagnum squarrosum*, *Sph. centrale*, *Sph. girgensohnii*, *Sph. warnstorffii*, *Calamagrostis* sp., *Carex* sp. among sparse *Salix* sp. and birches, (+6C?), 27.IX.2002, leg. A.R.; 2 ♀♀, Ay-Magromsy River Basin, Medvezhyi Ugol cordon, mosses and litter near rill: *Plagiomnium* sp., *Sphagnum squarrosum*, *Sph. centrale*, *Sph. girgensohnii*, *Sph. warnstorffii*, *Calamagrostis* sp., *Carex* sp. among sparse *Salix* sp. and birches, (+3C?), 28.IX.2002, leg. A.R.; 1 ♂, Ay-Magromsy River Basin, Medvezhyi Ugol cordon, mosses and litter at southern border of sedge-mossy swamp: *Carex rostrata*, *C.* spp., *Comarum palustre*, *Equisetum* spp., *Sphagnum girgensohnii*, *Sph.* spp., *Plagiomnium* sp., *Aulacomnium* sp., *Calamagrostis* sp., *Menyanthes trifoliata* etc., among sparse young birches, 04.X.2002, leg. A.R.; 2 ♂♂, 7 ♀♀, Ay-Magromsy River Basin, 1 km N of Medvezhyi Ugol cordon, mosses and litter on flood-plain of rill with *Calamagrostis* sp., *Filipendula ulmaria*, *Spiraea* sp., *Equisetum sylvaticum*, *Plagiomnium* sp., *Sphagnum* spp. etc., (+5C?), 05.X.2002, leg. A.R.; 1 ♂, 3 ♀♀, Ay-Magromsy River Basin, Medvezhyi Ugol cordon, mosses and litter in flood-plain afforested sedge hummocky and on flood-plain of rill with *Filipendula ulmaria*, *Ribes* spp., *Comarum palustre*, *Equisetum sylvaticum*, *Plagiomnium* sp., *Climacium dendroides*, *Carex* sp., *Calamagrostis* sp., *Sphagnum squarrosum*, *Sph.*

spp. etc., (+4C?), 01.X.2002, leg. A.R.; 1 ♂, Ay-Magromsy River Basin, 3 km N of Medvezhyi Ugol cordon, mosses and litter under *Larix sibirica* and *Juniperus* sp. among *Abies*, *Picea*, *Betula* with *Hylocomium splendens*, *Pleurozium schreberi*, *Dicranum polysetum*, *Linnaea borealis*, *Polytrichum commune*, *Diphasiastrum complanatum*, *Vaccinium vitis-idaea*, *V. myrtillus* etc., on gentle slope, 03.X.2002, leg. A.R.; 3 ♀♀, Ay-Magromsy River Basin, 3 km N of Medvezhyi Ugol cordon, mosses and litter in hummocky with *Carex* sp., *Filipendula ulmaria*, *Comarum palustre*, *Plagiommium* sp., *Climacium dendroides*, *Sphagnum russowii*, *Sph.* spp. etc., on flood-plain of rill, 03.X.2002, leg. A.R.; 3 ♀♀, Malyi Yugan River, near cordon below Maalyakh River mouth, mosses and litter on swamp with *Sphagnum magellanicum*, *Sph. ?balticum*, *Sph. fuscum*, *Sph.* spp., *Carex* sp., *Eriophorum* sp., *Chamaedaphne calyculata*, *Ledum palustre*, *Andromeda polifolia*, *Oxycoccus* sp., sparse *Pinus sylvestris* etc., and in sweeping, 20.VIII.2003, leg. A.R.; 1 ♀, Malyi Yugan River, near cordon below Lyarykni River mouth, mosses and litter in forest near river bank: *Pleurozium schreberi*, *Hylocomium splendens*, *Dicranum polysetum*, sparse *Polytrichum commune*, spots of *Sphagnum girgensobnii*, *Linnaea borealis*, *Vaccinium vitis-idaea*, *Equisetum sylvaticum*, *Maianthemum bifolium*, *Carex globularis*, *Rubus saxatilis*, *Trientalis europaea*, *Poaceae*, *Oxalis acetosella* etc., under *Pinus sibirica*, *P. sylvestris*, *Abies*, *Picea*, *Betula*, *Populus tremula*, 18.VIII.2003, leg. A.R.

1 ♀, Tobolsk Field Research Station, mosses and litter under *Betula* with *Carex globularis*, *Pleurozium schreberi*, *Linnaea borealis*, *Pyrola* sp., *Rubus idaeus* etc., on gentle slope near crest of Spartakovskaya Mt. 25.IX.2003, leg. A.R.; 1 ♀, in mosses and litter under *Betula*, *Picea*, *Ahnus* with *Pyrola* sp., *Carex globularis*, *Poaceae*, *Equisetum sylvaticum*, *Linnaea borealis*, *Pleurozium schreberi*, *Dicranum polysetum*, *Oxalis acetosella*, *Gallium* sp., *Aegopodium podagraria*, *Rubus idaeus*, *R. saxatilis* etc., on slope (from foot to top), 28.IX.2003, leg. A.R.; 1 ♀, mosses and litter under *Betula*, *Pinus sibirica*, *Abies* with *Carex globularis*, *Linnaea borealis*, *Maianthemum bifolium*, *Vaccinium vitis-idaea*, *V. myrtillus*, *Equisetum sylvaticum*, *Hylocomium splendens*, *Pleurozium schreberi*, *Dicranum polysetum*, *Sphagnum girgensobnii*, *Sph. russowii*, *Sph. warnstorffii*, *Lycopodium* sp., *Diplazium sibiricum*, *Oxalis acetosella*, *Rubus idaeus*, *R. saxatilis* etc., 24.IX.2003, leg. A.R.

5 ♂♂, 3 ♀♀, Lugnetsky, *Abies*, *Picea*, *Betula* forest, in moss, 26.VIII.1998, leg. A.T.; 3 ♂♂, 2 ♀♀, swampy spruce (*Picea*) forest, in moss, 25.VIII.1998, leg. A.T.; 3 ♂♂, 2 ♀♀, *Picea*, *Abies* & *Betula* forest, in moss, 26.VIII.1998, leg. A.T.

3 ♂♂, 5 ♀♀, Samotlor, *Betula* forest, glade, in grass, Aug. 1999, leg. A.T.

3 ♂♂, Tyumen Area, Noyabrskiy, dry *Pinus* forest, *Ledum*, *Vaccinium vitis-idaea*, *V. uliginosum*, *Empetrum*, in *Cladina* pads, 10.VIII.2000, leg. A.T.

1 ♂, 5 ♀♀, Nefteyugansk, mixed forests: *Abies*, *Pinus sibirica*, *Picea*, *Betula* with *Equisetum*, *Vaccinium* spp., *Empetrum*, mosses, VIII.2001, leg. A.T.

DISTRIBUTION. Widespread in Europe, the Caucasus and the Urals; in Asia known in West and Middle Siberia, Kamchatka; through the mountains of South Siberia eastward to the southern part of Khabarovsk Prov., Maritime Prov., Kurile Islands, Sakhalin; China, Japan.

Micrargus subaequalis (Westring, 1851)

MATERIAL. 1 ♂, 2 ♀♀, Nefteyugansk, mixed forests: *Abies*, *Pinus sibirica*, *Picea*, *Betula* with *Equisetum*, *Vaccinium* spp., *Empetrum*, mosses, VIII.2001, leg. A.T.

DISTRIBUTION. Europe, the Caucasus, eastern Kazakhstan, Middle Asia, the Urals and West Siberia; China. This is the first record in West Siberia.

Microlynphia pusilla (Sundevall, 1830)

1996 *Microlynphia pusilla*, Esyunin, Ekosistemy Srednego Priob'ya, 1, p. 71.

MATERIAL. 1 ♀, Tyumen, VI.2000, leg. U.

DISTRIBUTION. All over the Palaearctic and western Nearctic.

Microneta viaria (Blackwall, 1841)

1996 *Microneta viaria*, Esyunin, Ekosistemy Srednego Priob'ya, 1, p. 71.

MATERIAL. 3 ♂♂, 1 ♀, Surgutskiy Refuge, Ob' River Basin, Materikovyi Pasl Channel. Moss and litter in forest at high river bank with *Abies*, *Picea*, *Populus tremula*, young *Pinus sibirica*, *Hylocomium splendens*, *Pleurozium schreberi*, *Polytrichum commune*, *Maianthemum bifolium*, *Vaccinium vitis-idaea*, *Lycopodium* sp., *Diphasiastrum* sp., *Equisetum sylvaticum*, *Linnaea borealis* etc., 05.VIII.2000, leg. A.R.; 4 ♀♀, Ob' River Basin, Materikovyi Pasl Channel. Litter between Gramineae and *Equisetum* spp. under bushes and young *Populus tremula* at small river bank, 05.VIII.2000, leg. A.R.; 2 ♂♂, Ob' River Basin, Materikovyi Pasl Channel. Mosses and litter on bog near glade: tussocks with *Carex ?globularis*, *Sphagnum ?girgensobnii*, *Sph.* spp., *Linnaea borealis*, *Equisetum sylvaticum*, *Vaccinium vitis-idaea*, *Ledum palustre*, 06.VIII.2000, leg. A.R.; 5 ♀♀, Ob' River Basin, Materikovyi Pasl Channel. Moss and litter in forest with *Abies*, *Picea*, *Populus tremula*, *Betula*, young *Pinus sibirica*, *Pleurozium schreberi*, *Hylocomium splendens*, *Dicranum* sp., *Polytrichum commune*, *Equisetum sylvaticum*, *Linnaea borealis*, *Oxalis acetosella*, *Trientalis europaea* etc., 07.VIII.2000, leg. A.R.; 1 ♀, Ob' River Basin, Materikovyi Pasl Channel. Mosses and litter under *Pinus sibirica* and *Picea obovata* with *Hylocomium splendens*, *Pleurozium schreberi*, *Linnaea*, *Vaccinium vitis-idaea*, *V. myrtillus*, *Polytrichum commune*, *Maianthemum bifolium*, *Trientalis europaea*, *Lycopodium* sp., *Diphasiastrum* sp., *Equisetum sylvaticum*, *E. ?pratense* etc., 12.VIII.2000, leg. A.R.

2 ♀♀, Yuganskiy Reserve, Nyogus'yakh River, cordon Bisarkina. Mosses and litter on slope (from rill-bed to crest) near cordon: *Abies*, *Picea*, *Pinus sibirica*, *Betula*, *Populus tremula*, *Sorbus*, *Vaccinium vitis-idaea*, *V. myrtillus*, *Equisetum sylvaticum*, *Pleurozium schreberi*, *Hylocomium splendens*, *Maianthemum*, *Trientalis*, *Carex ?globularis*, graminoids etc., 22.X.1998, leg. A.R.; 1 ♀, Malyi Yugan River, 3 km up-stream off Vuuya-Yany River mouth. Litter in flood-plane birch forest with *Maianthemum*, young *Picea* and *Abies*, *Rosa* sp. etc., 14.VIII.1998, leg. A.R.; 1 ♀, Nyogus'yakh River Basin, forest road, 3 km ENE of cordon Bisarkina. Moss and litter in forest with *Picea*, *Pinus sibirica*, *P. sylvestris*, *Betula*, *Equisetum pratense*, *Eq. sylvaticum*, *Pleurozium schreberi*, *Hylocomium splendens*, *Vaccinium myrtillus*, *V. vitis-idaea*, *Sphagnum russowii* (placely), 28.X.1998, leg. A.R.; 1 ♂, Nyogus'yakh River, cordon Bisarkina. Mosses and litter on slope near parched rill about cordon: *Abies*, *Picea*, *Betula*, *Sorbus*, *Hylocomium splendens*, *Pleurozium schreberi*, *Ptilium*, *Maianthemum*, *Trientalis*, *Linnaea*, *Equisetum sylvaticum*, *Polytrichum commune*, *Oxalis* etc., 31.X.1998, leg. A.R.; 3 ♀♀, Bolshoy Yugan River, near cordon Kamennyi. Waterlogged forest with *Picea*, *Abies*, *Pinus sylvestris*, young *Pinus sibirica*, aspen, *Betula*, *Ledum*, *Hylocomium splendens*, *Pleurozium schreberi*, *Sphagnum* spp., *Polytrichum* spp., *Carex* spp., Gramineae, *Linnaea borealis*, *Vaccinium vitis-idaea*, *V. myrtillus*, 24.VIII.1999, leg. A.R.; 1 ♀, Malyi Yugan River Basin, 3–5 km SW of cordon at Kol-Kotchen-Yagun River, near lake. Moss and litter under *Pinus sibirica* with *Vaccinium vitis-idaea*, *Ledum*, *Linnaea borealis*, *Carex ?globularis*, *Equisetum sylvaticum*, *Hylocomium splendens*, *Pleurozium schreberi*, *Dicranum* sp., 31.VIII.1999, leg. A.R.; 4 ♀♀, Malyi Yugan River Basin, 3–5 km SW of cordon at Kol-Kotchen-Yagun River, near lake. Moss and litter under *Pinus sibirica*, *P. sylvestris*, young *Abies* with *Hylocomium splendens*, *Pleurozium schreberi*, *Dicranum* sp., *Vaccinium myrtillus*, *V. vitis-idaea*, *Linnaea borealis*, sparse *Ledum* on low knoll, 09.IX.1999, leg. A.R.; 1 ♀, Vuuya-Yany River near Ay-Vuuya-Yany River mouth. Mosses and litter in forest at crest line: *Pinus sibirica*, *P. sylvestris*, *Picea obovata*, *Abies sibirica*, *Vaccinium vitis-idaea*, *V. myrtillus*, *Linnaea borealis*, *Trientalis europaea*, *Equisetum sylvaticum*

icum, *Pleurozium schreberi*, *Hylocomium splendens*, *Dicranum* sp., *Diphasiastrum* sp. 21.VIII.2000, leg. A.R.; 2 ♂♂, Vuya-Yany River Basin near Ay-Vuya-Yany River mouth (2 km E of cordon). Mosses and litter under *Picea obovata*, *Pinus sibirica*, *P. sylvestris*, *Betula* on flood-plain of rill with *Pleurozium schreberi*, *Hylocomium splendens*, *Sphagnum girgensohnii*, *Polytrichum commune*, *Equisetum sylvaticum*, *Carex ?globularis*, *Linnaea borealis*, *Vaccinium vitis-idaea*, *Oxalis acetosella* etc., 21.VIII.2000, leg. A.R.; 2 ♂♂, right riverside of Bolshoy Yugan River near cordon Kamennyi. Mosses and litter in forest with *Picea obovata*, *Abies sibirica*, *Pinus sibirica*, *Carex* spp. and Gramineae with *Sphagnum girgensohnii*, *Sph.* spp., *Polytrichum commune* etc., in waterlogged birch forest on flood-plain, 21.VIII.2002, leg. A.R.; 1 ♀, Ay-Magromsy River Basin, Medvezhyi Ugol cordon, mosses and litter under *Populus tremula*, *Pinus sibirica*, *Picea obovata*, *Pinus sylvestris* with *Abies* thicket, *Hylocomium splendens*, *Pleurozium schreberi*, *Dicranum polysetum*, *Polytrichum commune*, *Equisetum sylvaticum*, *Vaccinium vitis-idaea*, *Linnaea borealis* etc., (+3 C, after first snowfall), 13.IX.2002, leg. A.R.; 1 ♀, Ay-Magromsy River Basin, Medvezhyi Ugol cordon, mosses and litter under *Pinus sylvestris*, *P. sibirica*, *Picea obovata*, *Betula* with *Vaccinium vitis-idaea*, *V. myrtillus*, *Pleurozium schreberi*, *Hylocomium splendens*, *Dicranum polysetum*, *Sphagnum ?warnstorffii*, *Linnaea borealis*, *Equisetum sylvaticum* etc., under aspen trunk, and under mosses, lichens, bark scales on bases of pine trees, 18.IX.2002, leg. A.R.; 2 ♀♀, Ay-Magromsy River Basin, Medvezhyi Ugol cordon, mosses and litter under *Betula* and *Pinus sylvestris* on swampy plate at border of the reserve (about 1 km N of the cordon) with *Hylocomium splendens*, *Pleurozium schreberi*, *Carex globularis*, *Polytrichum commune*, *Sphagnum* spp., *Linnaea borealis*, *Equisetum sylvaticum* etc., (+6C?), 27.IX.2002, leg. A.R.; 3 ♂♂, 1 ♀, Ay-Magromsy River Basin, 3 km N of Medvezhyi Ugol cordon, mosses and litter under *Larix sibirica* and *Juniperus* sp. among *Abies*, *Picea*, *Betula* with *Hylocomium splendens*, *Pleurozium schreberi*, *Dicranum polysetum*, *Linnaea borealis*, *Polytrichum commune*, *Diphasiastrum complanatum*, *Vaccinium vitis-idaea*, *V. myrtillus* etc., on gentle slope, 03.X.2002, leg. A.R.

2 ♀♀, Tobolsk Field Research Station, mosses and litter under *Betula*, *Pinus sibirica*, *Alnus*, *Abies* with *Carex globularis*, *Oxalis acetosella*, *Linnaea borealis*, *Delphinium* sp., *Maianthemum bifolium*, *Pyrola* sp., *Rubus saxatilis*, sparse *Pleurozium schreberi* etc., on gentle slope near Varpak River, 22.IX.2003, leg. A.R.; 6 ♂♂, 4 ♀♀, mosses and litter under *Pinus sylvestris*, *P. sibirica*, *Picea*, young *Abies* with *Ledum palustre*, *Vaccinium vitis-idaea*, *V. myrtillus*, Poaceae, *Carex globularis*, *Linnaea borealis*, *Pleurozium schreberi*, *Hylocomium splendens*, *Dicranum polysetum* etc., on upper part of slope, 02.X.2003, leg. A.R.; 5 ♂♂, 8 ♀♀, in litter under *Pinus sibirica*, *Picea*, *Betula*, *Abies*, *Tilia*, *Populus tremula* with *Lonicera* sp., *Carex globularis*, *Oxalis acetosella*, *Pyrola* sp., *Delphinium* sp., *Lathyrus* sp., *Equisetum sylvaticum* etc., on slope, 20.IX.2003, leg. A.R.; 1 ♀, mosses and litter under *Betula* with *Carex globularis*, *Pleurozium schreberi*, *Linnaea borealis*, *Pyrola* sp., *Rubus idaeus* etc., on gentle slope near crest of Spartakovskaya Mt. 25.IX.2003, leg. A.R.; 3 ♂♂, 5 ♀♀, in mosses and litter under *Betula*, *Picea*, *Alnus* with *Pyrola* sp., *Carex globularis*, Poaceae, *Equisetum sylvaticum*, *Linnaea borealis*, *Pleurozium schreberi*, *Dicranum polysetum*, *Oxalis acetosella*, *Gallium* sp., *Aegopodium podagraria*, *Rubus idaeus*, *R. saxatilis* etc., on slope (from foot to top), 28.IX.2003, leg. A.R.; 2 ♂♂, 6 ♀♀, Tobolsk Field Research Station, mosses and litter on plate crest near bank of Irtysh River: birch forest with sparse young *Pinus sibirica*, *Abies*, *Tilia*, *Sorbus*, *Carex globularis*, Poaceae, *Pyrola* sp., *Equisetum sylvaticum* etc., 10.IX.2003, leg. A.R.; 1 ♀, mosses and litter in swampy birch forest with *Pinus sylvestris*, *Ledum palustre*, *Vaccinium uliginosum*, *Carex globularis*, *Sphagnum girgensohnii*, *Sph. ?russowii*, *Sph.* spp., *Polytrichum commune*, *P. strictum*, *Pleurozium schreberi*, *Aulacomnium* sp., *Climacium dendroides* etc., 30.IX.2003, leg. A.R.; 2 ♀♀, Tobolsk Field Research Station, in litter under *Pinus sibirica*, *Tilia cordata*, *Betula*, *Populus tremula*, *Picea obovata*, *Abies sibirica* with *Carex globularis*, *Stellaria* sp., *Maianthemum bifolium*, *Lathyrus* sp., *Equisetum sylvaticum*, *Pyrola* sp. etc., on slope, 06.VI.2004,

leg. A.R.; 1 ♀, Tobolsk Field Research Station, mosses and litter under *Betula*, *Pinus sibirica*, *Alnus*, *Abies*, *Tilia cordata* with *Carex globularis*, *Oxalis acetosella*, *Stellaria* sp., *Linnaea borealis*, *Delphinium* sp., *Maianthemum bifolium*, *Pyrola* sp., *Rubus saxatilis*, sparse *Pleurozium schreberi* etc., on gentle slope near Varpak River, 05.VI.2004, leg. A.R.; 1 ♀, right bank of Irtysh River upstream of Tobolsk Field Research Station, leaf litter near top of slope, under *Betula*, *Tilia*, *Populus tremula* with *Carex globularis*, *Stellaria* sp. etc., 04.VI.2004, leg. A.R.

8 ♂♂, 5 ♀♀, Luginetsky, *Abies*, *Picea*, *Betula* forest, in moss, 26.VIII.1998, leg. A.T.; 12 ♂♂, 14 ♀♀, *Picea* & *Betula* forest, in moss, 22–28.VIII.1998, leg. A.T.; 30 ♂♂ & ♀♀, *Picea*, *Populus* & *Betula* forest, in litter, 22–28.VIII.1998, leg. A.T.; 1 ♀, swampy spruce (*Picea*) forest, in moss, 25.VIII.1998, leg. A.T.; ca. 20 ♂♂ & ♀♀, *Picea* & *Betula* forest, in moss, 21.VIII.1998, leg. A.T.

3 ♂♂, 6 ♀♀, Samotlor, *Populus* forest, in moss, Aug. 1999, A.T. leg.; 4 ♂♂, 7 ♀♀, *Populus* forest, under *Ledum*, in moss, Aug. 1999, A.T. leg.; 3 ♂♂, 11 ♀♀, *Populus* & *Pinus* forest, in moss, Aug. 1999, A.T. leg.; 5 ♂♂, 12 ♀♀, *Betula* forest, glade, in grass, Aug. 1999, leg. A.T.

DISTRIBUTION. All over the Holarctic.

Minicia marginella (Wider, 1834)

1996 *Minicia marginella*, Esyunin, Ekosistemy Srednego Priob'ya, 1, p. 72.

MATERIAL. 1 ♂, 1 ♀, Yuganskiy Reserve, Malyi Yugan River, near cordon below Maalyakh River mouth, mosses and litter on swamp with *Sphagnum magellanicum*, *Sph. ?balticum*, *Sph. fuscum*, *Sph.* spp., *Carex* sp., *Eriophorum* sp., *Chamaedaphne calyculata*, *Ledum palustre*, *Andromeda polifolia*, *Oxycoccus* sp., sparse *Pinus sylvestris* etc., and in sweeping, 20.VIII.2003, leg. A.R.

DISTRIBUTION. Europe, eastern Kazakhstan, Middle Asia, the Urals; in Siberia known in West Siberia, Cisokhotia and East Siberia; in South Siberia registered from Tuva and Sayan.

Minyrioloides trifrons (O. Pickard-Cambridge, 1863)

MATERIAL. 2 ♀♀, Yuganskiy Reserve, Ay-Magromsy River Basin, Medvezhyi Ugol cordon, mosses and litter near rill: *Plagiomnium* sp., *Sphagnum squarrosum*, *Sph. centrale*, *Sph. girgensohnii*, *Sph. warnstorffii*, *Calamagrostis* sp., *Carex* sp. among sparse *Salix* sp. and birches, (+3C?), 28.IX.2002, leg. A.R.

1 ♀, Tobolsk Field Research Station, mosses and litter under *Betula*, *Pinus sibirica*, *Alnus*, *Abies*, *Tilia cordata* with *Carex globularis*, *Oxalis acetosella*, *Stellaria* sp., *Linnaea borealis*, *Delphinium* sp., *Maianthemum bifolium*, *Pyrola* sp., *Rubus saxatilis*, sparse *Pleurozium schreberi* etc., on gentle slope near Varpak River, 05.VI.2004, leg. A.R.

1 ♂, 10 ♀♀, Nefteyugansk, mixed forests: *Abies*, *Pinus sibirica*, *Picea*, *Betula* with *Equisetum*, *Vaccinium* spp., *Empetrum*, mosses, VIII.2001, leg. A.T.

DISTRIBUTION. Throughout the Holarctic.

Minyriolus pusillus (Wider, 1834)

1996 *Minyriolus pusillus*, Esyunin, Ekosistemy Srednego Priob'ya, 1, p. 72.

MATERIAL. 2 ♂♂, 1 ♀, Surgutskiy Refuge, Ob' River Basin, Materikovyi Pasl Channel. Moss and litter in forest with *Abies*, *Picea*, *Populus tremula*, *Betula*, young *Pinus sibirica*, *Pleurozium schreberi*, *Hylocomium splendens*, *Dicranum* sp., *Polytrichum commune*, *Equisetum sylvaticum*, *Linnaea borealis*, *Oxalis acetosella*, *Trientalis europaea* etc., 07.VIII.2000, leg. A.R.; 2 ♀♀, Ob' River Basin, Materikovyi Pasl Channel, 2 km S of cordon. Mosses and

litter in forest with *Pinus sibirica*, *Populus tremula*, *Picea obovata*, *Pinus sylvestris*, *Sorbus sibirica*, *Hylocomium splendens*, *Pleurozium schreberi*, *Dicranum* sp., *Polytrichum commune*, *Lycopodium* sp., *Diphasiastrum* sp., *Diplazium sibiricum*, *Vaccinium vitis-idaea*, *V. myrtillus*, *Maianthemum bifolium*, *Trientalis europaea*, *Equisetum sylvaticum*, *Ledum palustre* etc., 09.VIII.2000, leg. A.R.

1 ♂, 3 ♀♀, Yuganskiy Reserve, Vuya-Yany River near Ay-Vuya-Yany River mouth. Mosses and litter in forest at crest line: *Pinus sibirica*, *P. sylvestris*, *Picea obovata*, *Abies sibirica*, *Vaccinium vitis-idaea*, *V. myrtillus*, *Linnaea borealis*, *Trientalis europaea*, *Equisetum sylvaticum*, *Pleurozium schreberi*, *Hylocomium splendens*, *Dicranum* sp., *Diphasiastrum* sp., 18.VIII.2000, leg. A.R.; 2 ♀♀, Kol-Kotchen-Yagun River (confluent of Malyy Yagan River) E of cordon. Loamy river bank with *Carex* spp., Gramineae, *Equisetum* spp., small *Rosa* sp. & *Salix* sp. etc., 16.IX.2001, leg. A.R.; 1 ♀, Kol-Kotchen-Yagun River Basin (confluent of Malyy Yagan River), lake near cordon. Overgrown mesotrophic swamp with *Pinus sylvestris*, *P. sibirica*, *Betula*, *Picea obovata*: open plots of *Sphagnum girgensohnii*, *Sph. russowii*, *Sph.* sp., *Polytrichum commune* with *Carex globularis*, *Equisetum sylvaticum*, *Ledum palustre* etc., 19.IX.2001, leg. A.R.; 1 ♀, Kol-Kotchen-Yagun River Basin (confluent of Malyy Yagan River), lake near cordon. Mosses and litter under *Pinus sylvestris*, *P. sibirica*, *Picea obovata* in forest near cordon: *Ledum palustre*, *Chamaedaphne calyculata*, *Pleurozium schreberi*, *Hylocomium splendens*, *Dicranum* sp., *Polytrichum commune*, *Vaccinium vitis-idaea*, *V. myrtillus*, spots of *Sphagnum girgensohnii* and *Sph. russowii* et al., 25.IX.2001, leg. A.R.; 2 ♂♂, 4 ♀♀, right riverside of Bolshoy Yagan River near Kamennyi cordon. Mosses and litter in pine forest with *Cladonia* spp., *Vaccinium vitis-idaea*, *Pleurozium schreberi*, *Dicranum* ?*polysetum*, sparse *Ledum palustre* etc., 18.VIII.2002, leg. A.R.

Ca. 30 ♂♂ & ♀♀, Luginetsky, *Abies*, *Picea*, *Betula* forest, in moss, 21–28.VIII.1998, leg. A.T.; 8 ♂♂, 5 ♀♀, *Picea* & *Betula* forest, in moss, 22–28.VIII.1998, leg. A.T.; 2 ♂♂, 1 ♀, swampy spruce (*Picea*) forest, in moss, 25.VIII.1998, leg. A.T.

DISTRIBUTION. Europe, the Caucasus, the Urals, West, Middle and East Siberia, the southern part of Khabarovsk Prov., Kurile Islands.

Mughiphantes taczanowskii (O. Pickard-Cambridge, 1873)

1996 *Lepthyphantes taczanowskii*, Esyunin, Ekosistemy Srednego Priob'ya, 1, p. 71.

DISTRIBUTION. In Siberia, known from West Siberia eastward to Chukotka, Cisokhotia, Kamchatka, through the mountains of South Siberia via the Lake Baikal region eastward to Khabarovsk Prov., recorded also in Sakhalin.

Neriere emphana (Walckenaer, 1841)

MATERIAL. 1 ♀, Tomsk Distr., Luginetsky, *Abies*, *Picea* & *Betula* forest, in grass, 26.VIII.1998, leg. A.T.

1 ♀, Tyumen, VI.2000., leg. U.

DISTRIBUTION. Throughout the Palaearctic, yet this is the first formal record in West Siberia.

Neriere clathrata (Sundevall, 1830)

1996 *Neriere clathrata*, Esyunin, Ekosistemy Srednego Priob'ya, 1, p. 71.

MATERIAL. 1 ♀, Tobolsk Field Research Station, mosses and litter and in sweeping on small swamp with *Carex* spp., Poaceae, *Sphagnum girgensohnii*, *Sph. squarrosum*, *Sph. riparium*, *Sph. ?balticum*, *Sph. centrale* etc., 10.VI.2004, leg. A.R.

1 ♀, Luginetsky, *Picea* & *Betula* forest, in moss, 21.VIII.1998, leg. A.T.

DISTRIBUTION. Throughout the Holarctic.

Neriere montana (Clerck, 1757)

1996 *Neriere montana*, Esyunin, Ekosistemy Srednego Priob'ya, 1, p. 71.

MATERIAL. 1 ♀, Yuganskiy Reserve, Nyogus'yakh River near Kogontchina-2 field research station. River bank: *Carex* sp. and Gramineae. 30.VIII.2000, leg. A.R.

DISTRIBUTION. Throughout the Holarctic.

Neriere radiata (Walckenaer, 1841)

1996 *Neriere marginata*, Esyunin, Ekosistemy Srednego Priob'ya, 1, p. 71.

MATERIAL. 1 ♀, Tyumen, VI.2000, leg. U.

DISTRIBUTION. All over the Holarctic.

Notioscopus sarcinatus (O. Pickard-Cambridge, 1872)

1996 *Notioscopus sarcinatus*, Esyunin, Ekosistemy Srednego Priob'ya, 1, p. 73.

MATERIAL. 5 ♀♀, Surgutskiy Refuge, Ob' River Basin, Materikoviy Pasi Channel, 2 km S of cordon. Mosses and litter on swamp with *Sphagnum* spp., *Carex* spp., *Eriophorum* sp., *Ledum*, *Betula* ?*rotundifolia*, *Aulacomnium* sp., *Hypnum* sp., *Polytrichum* sp., sparse *Pinus sylvestris*, *Betula* sp., *Populus tremula* etc., 09.VIII.2000, leg. A.R.

1 ♀, Yuganskiy Reserve, Bolshoy Yagan River, near cordon Kamennyi. Waterlogged forest with *Picea*, *Abies*, *Pinus sylvestris*, young *Pinus sibirica*, aspen, *Betula*, *Ledum*, *Hylocomium splendens*, *Pleurozium schreberi*, *Sphagnum* spp., *Polytrichum* spp., *Carex* spp., Gramineae, *Linnaea borealis*, *Vaccinium vitis-idaea*, *V. myrtillus*, 24.VIII.1999, leg. A.R.; 3 ♂♂, 5 ♀♀, Malyy Yagan River Basin, 3–5 km SW of cordon at Kol-Kotchen-Yagun River, near lake. Mosses on swamp near N shore of lake: *Sphagnum* spp., *Carex* spp., *Eriophorum* sp., *Chamaedaphne calyculata*, *Andromeda polifolia*, *Oxycoccus* spp., *Vaccinium uliginosum* et al., 17.IX.1999, leg. A.R.; 1 ♂, 3 ♀♀, Malyy Yagan River Basin, 3–5 km SW of cordon at Kol-Kotchen-Yagun River, near lake. Mosses on swamp near N shore of lake: *Sphagnum* spp., *Carex* spp., *Eriophorum* sp., *Chamaedaphne calyculata*, *Andromeda polifolia*, *Oxycoccus* spp., *Vaccinium uliginosum* et al., 18.IX.1999, leg. A.R.; 1 ♀, Malyy Yagan River Basin, Kol-Kotchen-Yagun River, 1 km S of cordon. Mosses and litter on small sedge-mossy swamp near river bank: *Carex* spp., *Sphagnum* ?*girgensohnii*, *Sph. ?riparium*, *Plagiomnium* sp. et al., 24.IX.1999, leg. A.R.; 1 ♂, Nyogus'yakh River near Kogontchina-2 field research station. Rill banks from raised moss to confluence with Nyogus'yakh River: *Sph. ?angustifolium*, *Sph. magellanicum*, *Sphagnum ?russowii*, *Sph. girgensohnii*, *Sph. riparium*, *Carex globularis*, *C. acuta*, *C. sp.*, *Filipendula ulmaria*, *Plagiomnium* sp., *Marchantia* sp. etc., 04.IX.2000, leg. A.R.; 1 ♂, 3 ♀♀, Nyogus'yakh River Basin near Petchpan'yakh River mouth. Mosses and litter on large swamp: *Carex* spp., *Comarum palustre*, *Equisetum* sp., *Nardosmia frigida*, *Eriophorum* sp., Gramineae, *Rumex* sp., ?*Aulacomnium* sp., *Plagiomnium* sp., *Ptilium crista-castrensis*, *Sphagnum* sp., *Chamaenerium angustifolium*, *Sphagnum ?russowii*, *Sph. sp.*, dwarf birch, *Oxycoccus* spp., Gramineae, *Carex* spp., *Comarum palustre*, *Equisetum* sp., ?*Aulacomnium* sp., *Plagiomnium* sp., *Ptilium crista-castrensis* etc., 24.IX.2000, leg. A.R.; 1 ♂, 2 ♀♀, Nyogus'yakh River near Kogontchina-2 field research station. Clayish river

bank *Carex* spp., *Equisetum* sp., Gramineae, *Mentha* sp. etc., (shaking off sedges and Gramineae), 07.IX.2000, leg. A.R.; 1 ♀, Kol-Kotchen-Yagun River (confluent of Malyi Yugan River) NE of cordon. Swampy flood-plain birch forest: tussocks of *Carex* spp. & Gramineae, *Comarum palustre*, *Filipendula ulmaria*, Ranunculaceae, *Sphagnum girgensobnii*, *Sph.* spp., *Climacium dendroides*, *Plagiomnium* sp. etc., 23.IX.2001, leg. A.R.; 2 ♂♂, 5 ♀♀, Bolshoy Yugan River near Kamennyi cordon, swamped birch forest with *Sphagnum* spp., *Carex* sp., Gramineae, *Ledum palustre* etc., 15.VIII.2002, leg. A.R.; 1 ♂, 2 ♀♀, Ay-Magromsy River Basin, Medvezhyi Ugol cordon, mosses and litter at rill bank: *Carex rhynchophylla*, *Sphagnum* spp., *Plagiomnium* sp. etc., 16.IX.2002, leg. A.R.; 3 ♀♀, Ay-Magromsy River Basin, Medvezhyi Ugol cordon, mosses and litter in tussocks of *Carex* sp. with *Sphagnum squarrosum*, *Sph. centrale*, *Sph. girgensobnii*, *Sph. ?russowii*, *Plagiomnium* sp. etc., and also sweeping on *Carex rhynchophylla* among swampy birch forest at SW border of the reserve, 21.IX.2002, leg. A.R.; 1 ♀, Ay-Magromsy River Basin, Medvezhyi Ugol cordon, mosses and litter at the foot of slope near border of open swamp: *Pinus sylvestris*, *P. sibirica*, *Picea obovata*, *Juniperus communis*, *Ledum palustre*, *Chamaedaphne calyculata*, *Carex globularis*, *Pleurozium schreberi*, *Dicranum polysetum*, *Polytrichum* spp., *Sphagnum* spp., *Equisetum sylvaticum*, *Eq. pratense*, *Vaccinium vitis-idaea* etc., 25.IX.2002, leg. A.R.; 2 ♂♂, 1 ♀, Ay-Magromsy River Basin, 1 km N of Medvezhyi Ugol cordon, mosses and litter on flood-plain of rill with *Calamagrostis* sp., *Filipendula ulmaria*, *Spiraea* sp., *Equisetum sylvaticum*, *Plagiomnium* sp., *Sphagnum* spp. etc., (+5C?), 05.X.2002, leg. A.R.

1 ♂, 1 ♀, Luginetsky, *Picea*, *Abies* & *Betula* forest, in moss, 26.VIII.1998, leg. A.T.; 3 ♂♂, 1 ♀, *Abies*, *Picea*, *Betula* forest, in moss, 26.VIII.1998, leg. A.T.

6 ♂♂, 4 ♀♀, Nefteyugansk, mixed forests: *Abies*, *Pinus sibirica*, *Picea*, *Betula* with *Equisetum*, *Vaccinium* spp., *Empetrum*, mosses, VIII.2001, leg. A.T.

DISTRIBUTION. Northern Europe, in Siberia known from the Urals eastward to Yenisey River.

Obscuriphantes obscurus (Blackwall, 1841)

1996 *Lepthyphantes obscurus*, Esyunin, Ekosistemy Srednego Priob'ya, 1, p. 70.

DISTRIBUTION. Europe, in Siberia from the Urals eastward to Yenisey River.

Oedothorax agrestis (Blackwall, 1853)

1996 *Oedothorax agrestis*, Esyunin, Ekosistemy Srednego Priob'ya, 1, p. 73.

MATERIAL. 2 ♀♀, Yuganskiy Reserve, Bolshoy Yugan River, near cordon Kamennyi. River bank upper of cordon: sand, loam, *Carex* spp., Gramineae, *Vicia* sp., Asteraceae, *Veronica ?longifolia* et al., (on soil and grass), 24.VIII.1999, leg. A.R.; 4 ♂♂, 2 ♀♀, Nyogus'yakh River near Kogontchina-2 field research station. River banks near rill mouths: *Carex* sp., Gramineae, *Filipendula ulmaria*, *Salix* sp., *Padus* etc., 03.IX.2000, leg. A.R.; 4 ♀♀, Nyogus'yakh River near Kogontchina-2 field research station. River bank: *Carex* sp. and Gramineae, 30.VIII.2000, leg. A.R.; 3 ♂♂, 2 ♀♀, Kol-Kotchen-Yagun River (confluent of Malyi Yugan River) E of cordon. Loamy river bank with *Carex* spp., Gramineae, *Equisetum* spp., small *Rosa* sp. & *Salix* sp. etc., 16.IX.2001, leg. A.R.; 3 ♀♀, Kol-Kotchen-Yagun River Basin (confluent of Malyi Yugan River), lake near cordon. Tussocks with *Carex* spp., *Calamagrostis* sp., *Comarum palustre* between sparse *Betula* and *Pinus sylvestris* at NW shore of lake: *Sphagnum centrale*, *Sph. girgensobnii*, *Sph. ?aongstroemii*, *Sph.* spp., *Climacium dendroides*, *Plagiomnium* sp., *Salix* sp., *Spiraea* sp. etc., 17.IX.2001, leg. A.R.; 1 ♂, 1 ♀, Vuyayany River near mouth, clayish river bank with *Carex* spp. and Poaceae, 25.VIII.2003, leg. A.R.

DISTRIBUTION. Widespread in Europe, in Siberia known from the Urals eastward to Yenisey River, through the mountains of South Siberia eastward to the Lake Baikal region.

Oedothorax gibbosus (Blackwall, 1841)

1996 *Oedothorax gibbosus*, Esyunin, Ekosistemy Srednego Priob'ya, 1, p. 73.

MATERIAL. 1 ♂, 4 ♀♀, Surgutskiy Refuge, Ob' River Basin, right bank of Materikoviy Pasl Channel. Lake shore: *Carex* spp., *Comarum palustre*, Lamiaceae, *Climacium*, *Plagiomnium* sp. etc., 10.VIII.2000, leg. A.R.

1 ♀, Yuganskiy Reserve, Nyogus'yakh River near Kogontchina-2 field research station. Swampy bank of old river channel: *Carex* hummocks, Gramineae, *Filipendula ulmaria*, *Comarum palustre*, *Padus*, *Rosa* sp., *Salix* sp., true mosses etc., 01.IX.2000, leg. A.R.; 1 ♀, Nyogus'yakh River Basin near Petchpan'yakh River mouth. Mosses and litter on large swamp: *Carex* spp., *Comarum palustre*, *Equisetum* sp., *Eriophorum* sp., Gramineae, *Rumex* sp., *?Aulacomnium* sp., *Plagiomnium* sp., *Ptilium crista-castrensis*, *Sphagnum* sp., *Chamaenerium angustifolium*, *Betula* and *Salix* sp. etc., 13.IX.2000, leg. A.R.; 1 ♂, 2 ♀♀, Vuyayany River near Ay-Vuyayany River mouth. Flood-plain lake shore: young *Betula* and *Populus tremula*, *Carex* spp., *Filipendula ulmaria*, Gramineae, *Sphagnum girgensobnii*, *Aulacomnium* sp., *Climacium dendroides*, *Comarum palustre*, 23.VIII.2000, leg. A.R.; 1 ♀, Nyogus'yakh River near Kogontchina-2 field research station. Mosses and peat on flood-plain forest swamp with *Filipendula ulmaria*, Gramineae, *Ribes nigrum*, *Sorbus sibirica*, *Rosa* sp., *Matteuccia struthiopteris*, *Comarum palustre*, *Rubus saxatilis* etc., 29.VIII.2000, leg. A.R.; 2 ♂♂, Bolshoy Yugan River, 6–7 km below Sugmuten'yakh River mouth. Bank of old channel: tussocks with *Carex* spp., Gramineae, small admixture of *Filipendula ulmaria* between sparse *Salix* sp. and *Betula*, 17.VIII.2001, leg. A.R.; 4 ♀♀, Bolshoy Yugan River, 6–7 km below Sugmuten'yakh River mouth. Mosses and litter between *Carex* spp., Gramineae, *Filipendula ulmaria*, *Spiraea* sp., with *Plagiomnium* sp., *Climacium dendroides* etc., on swamped forest floor, 22.VIII.2001, leg. A.R.; 1 ♀, Kol-Kotchen-Yagun River Basin (confluent of Malyi Yugan River), lake near cordon. Swampy birch-willow sparse forest by SE shore of lake: tussocks of *Carex* spp. with a touch of *Calamagrostis* sp., *Comarum palustre*, *Sphagnum squarrosum*, *Sph. centrale*, *Sph.* spp. etc., as well as mosses and litter between those, 20.IX.2001, leg. A.R.; 1 ♂, Kol-Kotchen-Yagun River Basin (confluent of Malyi Yugan River), lake near cordon. Mosses and litter between sparse *Betula* and *Pinus* spp. by N shore of lake: *Carex* spp., *Calamagrostis* sp., *Eriophorum* sp., *Salix* spp., *Comarum palustre*, *Sphagnum squarrosum*, *Sph. centrale*, *Sph.* spp., *Hypnum* sp. etc., 22.IX.2001, leg. A.R.; 2 ♀♀, Ay-Magromsy River Basin, Medvezhyi Ugol cordon, mosses and litter at rill bank: *Carex rhynchophylla*, *Sphagnum* spp., *Plagiomnium* sp. etc., 16.IX.2002, leg. A.R.; 1 ♀, Ay-Magromsy River Basin, 1 km N of Medvezhyi Ugol cordon, mosses and litter on flood-plain of rill with *Calamagrostis* sp., *Filipendula ulmaria*, *Spiraea* sp., *Equisetum sylvaticum*, *Plagiomnium* sp., *Sphagnum* spp. etc., (+5C?), 05.X.2002, leg. A.R.; 1 ♀, Malyi Yugan River, cordon below Lyarykni River mouth, open swamp with tussocks of *Carex* sp. and *Calamagrostis* sp. with *Comarum palustre*, *Salix* sp., *Sphagnum squarrosum*, *Sph.* spp., *?Aulacomnium* sp. etc., between sparse young *Betula*, 17.VIII.2003, leg. A.R.; 1 ♂, 6 ♀♀, Malyi Yugan River, cordon below Lyarykni River mouth, open swamp with tussocks of *Carex* spp. and *Calamagrostis* sp. with *Comarum palustre*, *Salix* sp., *Sphagnum squarrosum*, *Sph.* spp., *?Aulacomnium* sp. etc., between sparse young *Betula*, 22.VIII.2003, leg. A.R.

1 ♂, 2 ♀♀, Tobolsk Field Research Station, mosses and litter and in sweeping on small swamp with *Carex* spp., Poaceae, *Sphagnum girgensobnii*, *Sph. squarrosum*, *Sph. ?riparium*, *Sph. ?balticum*, *Sph. centrale* etc., 20.IX.2003, leg. A.R.; 1 ♀,

mosses and litter and in sweeping on small swamp with *Carex* spp., Poaceae, *Sphagnum girgensohnii*, *Sph. squarrosum*, *Sph. ?riparium*, *Sph. ?balticum*, *Sph. centrale* etc., 21.IX.2003, leg. A.R.; 1 ♀, mosses and litter among sparse *Salix* spp., *Betula*, *Pinus sylvestris* with tussocks of *Carex* spp., Poaceae, *Lytbrum* sp., *Filipendula ulmaria*, *Climacium dendroides*, isolated spots of *Sphagnum squarrosum*, *Sph.* sp. etc., on swamped flood-plain of left bank of Irtysh River, 29.IX.2003, leg. A.R.; 1 ♂, 3 ♀♀, mosses and plant debris in swampy birch-willow sparse forest of flood-plain near left bank of Irtysh River: *Carex* spp., *Calamagrostis* sp., *Sphagnum ?balticum*, *Sph. ?girgensohnii*, *Sph. squarrosum*, *Comarum palustre*, *Lytbrum* sp., *Filipendula ulmaria*, *Climacium dendroides* etc., 09.VI.2004, leg. A.R.; 2 ♂♂, 2 ♀♀, Tobolsk Field Research Station, mosses and litter and in sweeping on small swamp with *Carex* spp., Poaceae, *Sphagnum girgensohnii*, *Sph. squarrosum*, *Sph. ?riparium*, *Sph. ?balticum*, *Sph. centrale* etc., 10.VI.2004, leg. A.R.

1 ♂, 4 ♀♀, Noyabrynsky, *Salix* bushes along brook, litter, 15.VIII.2000, leg. A.T.

DISTRIBUTION. Widespread in Europe, known from Turkey, in Siberia recorded in the Urals to Yenisey River, in the mountains of South Siberia registered from Sayan.

Oedothorax retusus (Westring, 1851)

MATERIAL. 1 ♂, 1 ♀, Yuganskiy Reserve, Nyogus'yakh River near Kogontchina-2 field research station. River bank: *Carex* sp. and Gramineae. 30.VIII.2000, leg. A.R.; 1 ♂, Malyy Yugan River, near cordon below Maalyakh River mouth, mosses and litter in forest with *Pinus sibirica*, *P. sylvestris*, *Picea*, *Betula*, *Populus tremula*, *Abies*, *Equisetum sylvaticum*, *Linnaea borealis*, *Vaccinium vitis-idaea*, *V. myrtillus*, *Carex globularis*, *Pleurozium schreberi*, *Hylocomium splendens*, *Polytrichum commune*, sparse spots of *Sphagnum girgensohnii* and *Ledum palustre*, 20.VIII.2003, leg. A.R.

6 ♀♀, Tobolsk Field Research Station, plant debris among *Carex* sp. and Poaceae on promontory at margin of inundated flood-plain of Varpak River, 06.VI.2004, leg. A.R.; 4 ♀♀, Tobolsk Field Research Station of Severtsov Institute, flood-plain swamp near left bank of Irtysh River: *Carex* spp., *Comarum palustre*, *Salix* sp., *Climacium dendroides*, small true mosses, *Lemna* sp. etc., 09.VI.2004, leg. A.R.; 1 ♀, Tobolsk Field Research Station, willow leaf litter at margin of inundated flood-plain of Varpak River, 05.VI.2004, leg. A.R.

DISTRIBUTION. Widespread in Europe, throughout Siberia; registered from China.

Oreoneta uralensis Saaristo et Marusik, 2004

1996 *Hilaira frigida*, Esyunin, Ekosistemy Srednego Priob'ya, 1, p. 70.

MATERIAL. 2 ♂♂, 3 ♀♀, Yuganskiy Reserve, Malyy Yugan River Basin, Kol-Kotchen-Yagun River, 3-4 km S of cordon. Moss and litter at river bank: *Padus*, *Salix* sp., *Spiraea* spp., *Filipendula ulmaria*, *Ribes nigrum*, *Gallium* sp., *Carex* spp., Gramineae, *Equisetum* spp., *?Aulacomnium* sp., *Plagiomnium* sp., *Climacium dendroides* et al., 13.IX.1999, leg. A.R.; 2 ♀♀, Vuyay-Yany River near Ay-Vuyay-Yany River mouth. Flood-plain depression: *Filipendula ulmaria*, *Carex* sp., Gramineae, *Spiraea* sp., *Ribes nigrum*, *Comarum palustre*, *Sphagnum squarrosum*, *Sph. girgensohnii*, *Climacium dendroides*, *Aulacomnium* sp., *Plagiomnium* sp. etc., 24.VIII.2000, leg. A.R.; 1 ♂, 1 ♀, Vuyay-Yany River near Ay-Vuyay-Yany River mouth. Mosses and litter in forest at crest line: *Pinus sibirica*, *P. sylvestris*, *Picea obovata*, *Abies sibirica*, *Vaccinium vitis-idaea*, *V. myrtillus*, *Linnaea borealis*, *Trientalis europaea*, *Equisetum sylvaticum*, *Pleurozium schreberi*, *Hylocomium splendens*, *Dicranum* sp., *Diphasiastrium* sp. 21.VIII.2000, leg. A.R.

DISTRIBUTION. Known from the Urals and Altai Mts. This is the first record in West Siberia.

Oreonetides vaginatus (Thorell, 1872)

1996 *Oreonetides vaginatus*, Esyunin, Ekosistemy Srednego Priob'ya, 1, p. 71.

MATERIAL. 1 ♀, Yuganskiy Reserve, Vuyay-Yany River near Ay-Vuyay-Yany River mouth. Mosses and litter in forest at crest line: *Pinus sibirica*, *P. sylvestris*, *Picea obovata*, *Abies sibirica*, *Vaccinium vitis-idaea*, *V. myrtillus*, *Linnaea borealis*, *Trientalis europaea*, *Equisetum sylvaticum*, *Pleurozium schreberi*, *Hylocomium splendens*, *Dicranum* sp., *Diphasiastrium* sp. 21.VIII.2000, leg. A.R.; 1 ♂, Malyy Yugan River, near cordon below Lyarykni River mouth, mosses and litter in forest near river bank: *Pleurozium schreberi*, *Hylocomium splendens*, *Dicranum polysetum*, sparse *Polytrichum commune*, spots of *Sphagnum girgensohnii*, *Linnaea borealis*, *Vaccinium vitis-idaea*, *Equisetum sylvaticum*, *Maianthemum bifolium*, *Carex globularis*, *Rubus saxatilis*, *Trientalis europaea*, Poaceae, *Oxalis acetosella* etc., under *Pinus sibirica*, *P. sylvestris*, *Abies*, *Picea*, *Betula*, *Populus tremula*, 18.VIII.2003, leg. A.R.

DISTRIBUTION. All over the Holarctic.

Oryphantes angulatus (O. Pickard-Cambridge, 1881)

1996 *Lepthyphantes angulatus*, Esyunin, Ekosistemy Srednego Priob'ya, 1, p. 70.

1996 *Lepthyphantes geminus*, Esyunin, Ekosistemy Srednego Priob'ya, 1, p. 70, revised by Esyunin, pers. comm.

MATERIAL. 1 ♀, near Ugut, Ugutka River Basin. Mosses and litter at forest with *Pinus sylvestris*, *Betula*, *Ledum palustre*, *Vaccinium myrtillus*, *V. vitis-idaea*, *Dicranum* sp., *Pleurozium schreberi*, *Hylocomium splendens*, underwood of *Pinus sibirica* etc., 11.X.1998, leg. A.R.

2 ♀♀, Yuganskiy Reserve, Nyogus'yakh River, cordon Bisarkina. Mosses and litter in flood-plane forest and at natural levee with *Abies*, *Picea*, *Pinus sibirica*, *Betula*, *Oxalis*, *Equisetum sylvaticum*, *Eq. pratense*, *Maianthemum*, *Trientalis*, *Linnaea*, *Hylocomium splendens*, *Pleurozium schreberi*, placely *Sphagnum* sp. (*girgensohnii* or *russowii*) etc., 24.X.1998, leg. A.R.; 3 ♀♀, near Vuyay-Yany River mouth. Moss and litter in flood-plane forest with *Abies*, *Picea*, *Betula*, *Pinus sibirica*, *Sorbus*, *Vaccinium vitis-idaea*, *Equisetum sylvaticum*, *Eq. pratense*, *Hylocomium splendens*, *Pleurozium schreberi*, *Polytrichum commune*, *Ptilium*, *Climacium*, *Maianthemum*, *Trientalis*, *Veratrum* etc., 15.VIII.1998, leg. A.R.; 1 ♀, near Vuyay-Yany River mouth. Mosses and litter under *Pinus sibirica*, *Picea*, *Abies*, *Betula* with *Maianthemum*, *Trientalis*, *Vaccinium vitis-idaea*, *Pleurozium*, *Climacium* etc., 12.VIII.1998, leg. A.R.; 1 ♀, near Vuyay-Yany River mouth. Mosses and litter in flood-plane forest with *Pinus sibirica*, *Abies*, *Picea*, *Betula*, *Rosa*, *Vaccinium vitis-idaea*, *Maianthemum*, *Trientalis*, *Pleurozium schreberi*, *Hylocomium splendens*, *Equisetum sylvaticum*, spots of *Sphagnum ?girgensohnii* and *Sph. ?russowii* etc., 09.VIII.1998, leg. A.R.; 1 ♀, Nyogus'yakh River Basin, forest road, 2.5 km ENE of cordon Bisarkina. Swampy sources of parched rill: *Sphagnum* spp., *Carex* spp., graminoids, *Equisetum* spp. 28.X.1998, leg. A.R.; 1 ♀, Nyogus'yakh River, cordon Bisarkina. Parching rill near cordon: mosses and litter in rill-bed and by banks (*Carex* spp., *Equisetum sylvaticum*, *Sphagnum ?riparium*, *Sph. ?girgensohnii*, *Polytrichum commune*, *Filipendula ulmaria*, Gramineae, *Veratrum*, *Linnaea*, *Maianthemum*, *Trientalis*, *Tomenthypnum* sp., *Plagiomnium* sp. etc.), 31.X.1998, leg. A.R.; 1 ♂, 2 ♀♀, Malyy Yugan River Basin, 3-5 km SW of cordon at Kol-Kotchen-Yagun River, near lake. Moss and litter in pine forest with *Betula*, *Pinus sibirica*, *Ledum*, *Chamaedaphne calyculata*, *Vaccinium vitis-idaea*, *Sphagnum* spp., *Pleurozium schreberi*, *Dicranum* sp., *Polytrichum commune* (here and there) et al., 14.IX.1999, leg. A.R.; 1 ♂, Malyy Yugan River Basin, 3-5 km SW of cordon at Kol-Kotchen-Yagun River, near lake. Moss and litter under *Pinus sibirica*, *Picea*, *Betula*, *Pinus sylvestris* with *Vaccinium myrtillus*, *V. vitis-idaea*, *Lycopodium*,

Equisetum sylvaticum, *Rosa* sp., *Pleurozium schreberi* on gentle slope, 20.IX.1999, leg. A.R.; 4 ♀♀, Vuya-Yany River near Ay-Vuya-Yany River mouth. Flood-plain depression: *Filipendula ulmaria*, *Carex* sp., Gramineae, *Spiraea* sp., *Ribes nigrum*, *Comarum palustre*, *Sphagnum squarrosum*, *Sph. girgensobnii*, *Climacium dendroides*, *Aulacomnium* sp., *Plagiomnium* sp. etc., 24.VIII.2000, leg. A.R.; 1 ♀, Vuya-Yany River near Ay-Vuya-Yany River mouth. Swamped flood-plain of left river bank: *Carex* spp., *Comarum palustre*, *Filipendula ulmaria*, *Spiraea* sp., *Ribes nigrum*, *Sphagnum squarrosum*, *Sph. ?girgensobnii*, *Plagiomnium* sp., *Aulacomnium* sp. etc., 27.VIII.2000, leg. A.R.; 1 ♀, Nyogus'yakh River near Kogontchina-2 field research station. Rill banks from raised moss to confluence with Nyogus'yakh River: *Sph. ?angustifolium*, *Sph. magellanicum*, *Sphagnum ?russowii*, *Sph. girgensobnii*, *Sph. riparium*, *Carex globularis*, *C. acuta*, *C. sp.*, *Filipendula ulmaria*, *Plagiomnium* sp., *Marchantia* sp. etc., 04.IX.2000, leg. A.R.; 1 ♂, 1 ♀, Vuya-Yany River near Ay-Vuya-Yany River mouth. Mosses and litter in forest at crest line: *Pinus sibirica*, *P. sylvestris*, *Picea obovata*, *Abies sibirica*, *Vaccinium vitis-idaea*, *V. myrtilus*, *Linnaea borealis*, *Trientalis europaea*, *Equisetum sylvaticum*, *Pleurozium schreberi*, *Hylocomium splendens*, *Dicranum* sp., *Diphasiastrum* sp., 21.VIII.2000, leg. A.R.; 3 ♂♂, 2 ♀♀, Vuya-Yany River near Ay-Vuya-Yany River mouth. Mosses and litter in flood-plain forest under *Betula*, *Abies sibirica*, *Picea obovata* with *Oxalis acetosella*, *Equisetum sylvaticum*, *Calamagrostis* sp., *Linnaea borealis*, *Vaccinium vitis-idaea*, *Maianthemum bifolium*, *Trientalis europaea*, *Pleurozium schreberi*, *Climacium dendroides*, *Dicranum* sp. etc., 19.VIII.2000, leg. A.R.; 4 ♂♂, Nyogus'yakh River near Kogontchina-2 field research station. Mosses and peat on flood-plain forest swamp with *Filipendula ulmaria*, Gramineae, *Ribes nigrum*, *Sorbus sibirica*, *Rosa* sp., *Matteuccia struthiopteris*, *Comarum palustre*, *Rubus saxatilis* etc., 29.VIII.2000, leg. A.R.; 1 ♀, Nyogus'yakh River near Kogontchina-2 field research station. Mosses and litter in swampy forest under *Betula*, *Pinus sylvestris*, *Picea obovata* with *Sphagnum girgensobnii*, *Sph. spp.*, *Polytrichum commune*, *Pleurozium schreberi*, *Hylocomium splendens*, *Equisetum sylvaticum*, *Linnaea borealis*, *Vaccinium vitis-idaea* etc., 02.IX.2000, leg. A.R.; 1 ♀, Nyogus'yakh River near Kogontchina-2 field research station. Mosses and peat under *Carex ?globularis* near small forest swamp on island in the middle of large high moor, 02.IX.2000, leg. A.R.; 2 ♀♀, Nyogus'yakh River near Petchpan'yakh River mouth. Mosses and litter under *Abies sibirica*, *Betula*, *Pinus sibirica*, *Sorbus sibirica* with *Hylocomium splendens*, *Pleurozium schreberi*, Gramineae, *Equisetum pratense*, *Eq. sylvaticum*, *Majanthemum bifolium*, *Trientalis europaea*, *Linnaea borealis*, *Vaccinium vitis-idaea* etc., in flood-plain forest on natural levee, 09.IX.2000, leg. A.R.; 2 ♀♀, near S border of buffer area of, Koimlor (Krimlor) Lake. Litter under *Picea obovata* and *Pinus sibirica* with *Lycopodium* sp., *Linnaea borealis*, ferns, Gramineae, *Trientalis europaea*, sparse *Ledum palustre* etc., in moist forest near lake shore, 02.IX.2001, leg. A.R.; 1 ♀, near S border of buffer area of Yuganskiy Reserve, rill between Kolylnor Lake and Koimlor (Krimlor) Lake. Mosses and litter under *Pinus sibirica* in forest at the rill bank: *Lycopodium* sp., ferns, *Linnaea borealis*, *Vaccinium vitis-idaea*, *Orthilia secunda*, *Pleurozium schreberi*, *Hylocomium splendens*, *Dicranum* sp., *Polytrichum* sp., *Calamagrostis* sp., sparse *Ledum palustre* etc., 04.IX.2001, leg. A.R.; 2 ♂♂, 5 ♀♀, Kol-Kotchen-Yagun River Basin (confluent of Malyy Yugan River), lake near cordon. Mosses and litter in *Pinus*-*Ledum-Sphagnum* sparse forest with sparse *Betula*, *Chamaedaphne calyculata*, *Oxycoccus* sp., *Rubus chanaemorius*, *Eriophorum* sp., *Sphagnum magellanicum*, *Sph. spp.*, 18.IX.2001, leg. A.R.; 3 ♀♀, Kol-Kotchen-Yagun River Basin (confluent of Malyy Yugan River), lake near cordon. Mosses and litter under *Pinus sibirica*, *P. sylvestris* and *Picea obovata* with *Sphagnum girgensobnii*, *Vaccinium vitis-idaea*, *V. myrtilus*, *Hylocomium splendens*, *Pleurozium schreberi*, *Dicranum* sp., *Ledum palustre*, *Chamaedaphne calyculata* et al., in forest near NE shore of lake, 01.X.2001, leg. A.R.; 2 ♂♂, 3 ♀♀, right riverside of Bolshoy Yugan River near cordon Kamennyi. Mosses and litter in forest with *Picea obovata*, *Abies sibirica*, *Pinus sibirica*, *Carex* spp. and Gramineae with *Sphagnum girgensobnii*, *Sph. spp.*, *Polytrichum commune* etc., in waterlogged birch forest on

flood-plain, 21.VIII.2002, leg. A.R.; 1 ♀, Ay-Magromsy River Basin, Medvezhyi Ugol cordon, mosses and litter at southern border of sedge-mossy swamp: *Carex rostrata*, *C. spp.*, *Comarum palustre*, *Equisetum* spp., *Sphagnum girgensobnii*, *Sph. spp.*, *Plagiomnium* sp., *Aulacomnium* sp., *Calamagrostis* sp., *Menyanthes trifoliata* etc., among sparse young birches, 21.IX.2002, leg. A.R.; 5 ♀♀, Ay-Magromsy River Basin, Medvezhyi Ugol cordon, mosses and litter near rill: *Plagiomnium* sp., *Sphagnum squarrosum*, *Sph. centrale*, *Sph. girgensobnii*, *Sph. warnstorffii*, *Calamagrostis* sp., *Carex* sp. among sparse *Salix* sp. and birches, (+3C?), 28.IX.2002, leg. A.R.; 1 ♂, Ay-Magromsy River Basin, Medvezhyi Ugol cordon, mosses and litter among *Abies*, *Picea* and *Betula* on gentle slope near SW edge of sedge-mossy swamp: *Ledum palustre*, *Vaccinium vitis-idaea*, *Hylocomium splendens*, *Pleurozium schreberi*, *Polytrichum commune*, *Sphagnum ?russowii*, *Sph. spp.* etc., (+3C?), 28.IX.2002, leg. A.R.; 1 ♂, 1 ♀, Ay-Magromsy River Basin, 3 km N of Medvezhyi Ugol cordon, mosses and litter in hummocky with *Carex* sp., *Filipendula ulmaria*, *Comarum palustre*, *Plagiomnium* sp., *Climacium dendroides*, *Sphagnum russowii*, *Sph. spp.* etc., on flood-plain of rill, 03.X.2002, leg. A.R.; 1 ♂, 1 ♀, Malyy Yugan River, near cordon below Maalyakh River mouth, mosses and litter in forest with *Pinus sibirica*, *P. sylvestris*, *Picea*, *Betula*, *Populus tremula*, *Abies*, *Equisetum sylvaticum*, *Linnaea borealis*, *Vaccinium vitis-idaea*, *V. myrtilus*, *Carex globularis*, *Pleurozium schreberi*, *Hylocomium splendens*, *Polytrichum commune*, sparse spots of *Sphagnum girgensobnii* and *Ledum palustre*, 20.VIII.2003, leg. A.R.; 1 ♂, 2 ♀♀, Malyy Yugan River, near cordon below Lyarykni River mouth, mosses and litter in forest near river bank: *Pleurozium schreberi*, *Hylocomium splendens*, *Dicranum polysetum*, sparse *Polytrichum commune*, spots of *Sphagnum girgensobnii*, *Linnaea borealis*, *Vaccinium vitis-idaea*, *Equisetum sylvaticum*, *Maianthemum bifolium*, *Carex globularis*, *Rubus saxatilis*, *Trientalis europaea*, Poaceae, *Oxalis acetosella* etc., under *Pinus sibirica*, *P. sylvestris*, *Abies*, *Picea*, *Betula*, *Populus tremula*, 18.VIII.2003, leg. A.R.; 1 ♀, Yuganskiy Reserve (buffer zone), flood-plain of a rill (confluent of Malyy Yugan River) near Achimovy-2 village: tussocks of *Carex* spp. and Poaceae, depressions with *Carex rostrata*, *Filipendula ulmaria*, *Comarum palustre*, *Urtica dioica*, *Sphagnum centrale*, *Climacium dendroides*, *Plagiomnium* sp., *Rubus saxatilis*, *Salix* sp., sparse *Betula* and *Picea*, 24.VIII.2003, leg. A.R.

1 ♀, Tobolsk Field Research Station, mosses and litter and in sweeping on small swamp with *Carex* spp., Poaceae, *Sphagnum girgensobnii*, *Sph. squarrosum*, *Sph. ?riparium*, *Sph. ?balticum*, *Sph. centrale* etc., 21.IX.2003, leg. A.R.; 1 ♀, Tobolsk Field Research Station, mosses and litter under *Pinus sibirica*, *Abies*, *Betula* in swamped sparse forest with *Sphagnum girgensobnii*, *Sph. ?russowii*, *Sph. centrale*, *Sph. squarrosum*, *Linnaea borealis*, *Oxalis acetosella*, *Equisetum sylvaticum*, *Carex globularis*, *C. sp.*, *Pleurozium schreberi* etc., 21.IX.2003, leg. A.R.

Ca. 30 ♂♂ & ♀♀, Luginetsky, *Abies*, *Picea*, *Betula* forest, in moss, 21–28.VIII.1998, leg. A.T.; 4 ♂♂, 7 ♀♀, *Picea*, *Abies* & *Betula* forest, in moss, 26.VIII.1998, leg. A.T.

1 ♀, Samotlor, bank of Vakh River, *Salix* bushes, litter, Aug. 1999, leg. A.T.; 6 ♀♀, *Betula* forest, glade, in grass, Aug. 1999, leg. A.T.

3 ♀♀, Noyabrsky, *Salix* bushes along brook, litter, 15.VIII.2000, leg. A.T.

DISTRIBUTION. Europe, the southern part of the Urals, in the northeastern part of the Russian Plain (Bolshezemelskaya Tundra and the adjacent forested tundra) replaced by *O. geminus* (Tanasevitch, 1982). In Siberia known only from the West Siberian Plain. This West Siberian population of *O. angulatus* is surrounded by *O. geminus*, being a Siberian enclave.

Panamomops dybowski (O. Pickard-Cambridge, 1873)

1996 *Panamomops dybowski*, Esyunin, Ekosistemy Srednego Priob'ya, 1, p. 73.

MATERIAL. 6 ♀♀, Yuganskiy Reserve, near Vuya-Yany River mouth. Moss and litter in flood-plane forest with *Abies*, *Picea*, *Betula*, *Pinus sibirica*, *Sorbus*, *Vaccinium vitis-idaea*, *Equisetum sylvaticum*, Eq. pratense, *Hylocomium splendens*, *Pleurozium schreberi*, *Polytrichum commune*, *Ptilium*, *Climacium*, *Maianthemum*, *Trientalis*, *Veratrum* etc., 15.VIII.1998, leg. A.R.; 1 ♂, 4 ♀♀, Malyy Yugan River, 3 km up-stream off Vuya-Yany River mouth. Litter in flood-plane birch forest with *Maianthemum*, young *Picea* and *Abies*, *Rosa* sp. etc., 14.VIII.1998, leg. A.R.; 1 ♀, Nyogus'yakh River, cordon Bisarkina. Mosses and litter at forest lake shore: *Carex* spp., *Filipendula ulmaria*, Gramineae, *Equisetum* spp., ferns, *Plagiomnium* sp., *Climacium dendroides*, *Sphagnum squarrosum*, *Tomenthypnum* sp. etc., 26.X.1998, leg. A.R.; 2 ♂♂, 1 ♀, Malyy Yugan River Basin, hut at Kol-Kotchen-Yagun River, 12 km SW of cordon. Moss and litter under *Abies* with *Equisetum pratense*, *Hylocomium splendens*, *Oxalis acetosella* et al., on natural levee, 02.IX.1999, leg. A.R.; 1 ♀, Malyy Yugan River Basin, 3–5 km SW of cordon at Kol-Kotchen-Yagun River, near lake. Moss and litter under *Pinus sibirica*, *Picea*, *Betula*, *Pinus sylvestris* with *Vaccinium myrtillus*, *V. vitis-idaea*, *Lycopodium*, *Equisetum sylvaticum*, *Rosa* sp., *Pleurozium schreberi* on gentle slope, 20.IX.1999, leg. A.R.; 3 ♂♂, 4 ♀♀, Vuya-Yany River near Ay-Vuya-Yany River mouth. Mosses and litter in forest at crest line: *Pinus sibirica*, *P. sylvestris*, *Picea obovata*, *Abies sibirica*, *Vaccinium vitis-idaea*, *V. myrtillus*, *Linnaea borealis*, *Trientalis europaea*, *Equisetum sylvaticum*, *Pleurozium schreberi*, *Hylocomium splendens*, *Dicranum* sp., *Diphysastrum* sp., 21.VIII.2000, leg. A.R.; 1 ♀, Vuya-Yany River near Ay-Vuya-Yany River mouth. Mosses and litter in flood-plain forest under *Betula*, *Abies sibirica*, *Picea obovata* with *Oxalis acetosella*, *Equisetum sylvaticum*, *Calamagrostis* sp., *Linnaea borealis*, *Vaccinium vitis-idaea*, *Maianthemum bifolium*, *Trientalis europaea*, *Pleurozium schreberi*, *Climacium dendroides*, *Dicranum* sp. etc., 19.VIII.2000, leg. A.R.; 1 ♂, Nyogus'yakh River near Petchpan'yakh River mouth. Mosses and litter under *Abies sibirica*, *Betula*, *Pinus sibirica*, *Sorbus sibirica* with *Hylocomium splendens*, *Pleurozium schreberi*, Gramineae, *Equisetum pratense*, Eq. *sylvaticum*, *Maianthemum bifolium*, *Trientalis europaea*, *Linnaea borealis*, *Vaccinium vitis-idaea* etc., in flood-plain forest on natural levee, 09.IX.2000, leg. A.R.; 1 ♂, right riverside of Bolshoy Yugan River near cordon Kamennyi. Mosses and litter in forest with *Picea obovata*, *Abies sibirica*, *Pinus sibirica*, *Carex* spp. and Gramineae with *Sphagnum girgensohnii*, *Sph.* spp., *Polytrichum commune* etc., in waterlogged birch forest on flood-plain, 21.VIII.2002, leg. A.R.

1 ♂, 2 ♀♀, Tyumen, VI.2000, leg. U.

DISTRIBUTION. Siberia: from the Urals eastward to Yenisey River; through the mountains of South Siberia eastward to the Lake Baikal region.

Paraeboria jeniseica (Eskov, 1981)

MATERIAL. 1 ♂, Yuganskiy Reserve, Nyogus'yakh River, cordon Bisarkina. Parching rill near cordon: mosses and litter in rill-bed and by banks (*Carex* spp., *Equisetum sylvaticum*, *Sphagnum riparium*, *Sph.* ?*girgensohnii*, *Polytrichum commune*, *Filipendula ulmaria*, Gramineae, *Veratrum*, *Linnaea*, *Maianthemum*, *Trientalis*, *Tomenthypnum* sp., *Plagiomnium* sp. etc.), 31.X.1998, leg. A.R.; 3 ♀♀, Kol-Kotchen-Yagun River Basin (confluent of Malyy Yugan River), lake near cordon. Swampy birch-willow sparse forest by SE shore of lake: tussocks of *Carex* spp. with a touch of *Calamagrostis* sp., *Comarum palustre*, *Sphagnum squarrosum*, *Sph. centrale*, *Sph.* spp. etc., as well as mosses and litter between those, 20.IX.2001, leg. A.R.; 3 ♂♂, 1 ♀, Kol-Kotchen-Yagun River Basin (confluent of Malyy Yugan River), lake near cordon. Mosses and litter by NE shore of lake: spp., tussocks of *Carex* spp., *Calamagrostis* sp., *Sphagnum squarrosum*, *Sph. centrale*, *Sph.* ?*girgensohnii*, *Sph. russowii* between sparse birch wood with isolated *Pinus sylvestris*, 30.IX.2001, leg. A.R.

DISTRIBUTION. Siberia: from West Siberia via the Yenisey River basin eastward to East Siberia, Cisokhotia and Sakhalin; through the mountains of South Siberia via

the Lake Baikal region eastward to Khabarovsk Prov. This is the first record in West Siberia.

Pelecopsis menzei (Simon, 1884)

1996 *Pelecopsis menzei*, Esysunin, Ekosistemy Srednego Priob'ya, 1, p. 73.

MATERIAL. 3 ♀♀, Yuganskiy Reserve, Malyy Yugan River, 3 km up-stream off Vuya-Yany River mouth. Litter in flood-plane birch forest with *Maianthemum*, young *Picea* and *Abies*, *Rosa* sp. etc., 14.VIII.1998, leg. A.R.; 1 ♀, near Vuya-Yany River mouth. Mosses and litter in flood-plane forest with *Pinus sibirica*, *Abies*, *Picea*, *Betula*, *Rosa*, *Vaccinium vitis-idaea*, *Maianthemum*, *Trientalis*, *Pleurozium schreberi*, *Hylocomium splendens*, *Equisetum sylvaticum*, spots of *Sphagnum* ?*girgensohnii* and *Sph.* ?*russowii* etc., 09.VIII.1998, leg. A.R.; 1 ♀, Nyogus'yakh River, cordon Bisarkina. River bank: mosses and litter under *Salix* spp., *Padus*, *Matteuccia struthiopteris*, *Filipendula ulmaria*, *Urtica dioica* etc., 29.X.1998, leg. A.R.; 1 ♂, 3 ♀♀, Malyy Yugan River Basin, 3–5 km SW of cordon at Kol-Kotchen-Yagun River, near lake. Moss and litter at lake shore (on cape near hut): *Padus*, *Salix*, young *Populus tremula*, sedge and graminoid tussocks, *Comarum palustre*, *Equisetum* spp., ?*Aulacomnium* sp. et al., 11.IX.1999, leg. A.R.; 1 ♀, Malyy Yugan River Basin, 3–5 km SW of cordon at Kol-Kotchen-Yagun River, near lake. Litter under birch and aspen in birch forest with low hummocky near SE shore of lake: *Betula*, sparse *Populus tremula*, *Salix* sp., *Spiraea* sp., *Carex* spp., Gramineae, *Comarum palustre*, sparse *Equisetum sylvaticum* et al., 15.IX.1999, leg. A.R.; 1 ♀, Malyy Yugan River Basin, 3–5 km SW of cordon at Kol-Kotchen-Yagun River, near lake. Litter between tussocks and sedge-graminoid tussocks in birch forest with low hummocky near SE shore of lake: *Betula*, sparse *Populus tremula*, *Salix* sp., *Spiraea* sp., *Carex* spp., Gramineae, *Comarum palustre*, sparse *Equisetum sylvaticum* et al., 15.IX.1999, leg. A.R.; 2 ♂♂, 5 ♀♀, Malyy Yugan River Basin, 3–5 km SW of cordon at Kol-Kotchen-Yagun River, near lake. Moss and litter under *Pinus sibirica*, *Picea*, *Betula*, *Pinus sylvestris* with *Vaccinium myrtillus*, *V. vitis-idaea*, *Lycopodium*, *Equisetum sylvaticum*, *Rosa* sp., *Pleurozium schreberi* on gentle slope, 20.IX.1999, leg. A.R.; 1 ♀, Vuya-Yany River near Ay-Vuya-Yany River mouth. Swamped flood-plain of left river bank: *Carex* spp., *Comarum palustre*, *Filipendula ulmaria*, *Spiraea* sp., *Ribes nigrum*, *Sphagnum squarrosum*, *Sph.* ?*girgensohnii*, *Plagiomnium* sp., *Aulacomnium* sp. etc., 27.VIII.2000, leg. A.R.; 1 ♀, Nyogus'yakh River near Kogontchina-2 field research station. Rill banks from raised moss to confluence with Nyogus'yakh River: *Sph.* ?*angustifolium*, *Sph. magellanicum*, *Sphagnum* ?*russowii*, *Sph. girgensohnii*, *Sph. riparium*, *Carex globularis*, *C. acuta*, *C. sp.*, *Filipendula ulmaria*, *Plagiomnium* sp., *Marchantia* sp. etc., 04.IX.2000, leg. A.R.; 1 ♀, Vuya-Yany River near Ay-Vuya-Yany River mouth. Flood-plain lake shore: *Carex* spp., *Filipendula ulmaria*, Gramineae, *Aulacomnium* sp., *Climacium dendroides*, *Comarum palustre*, 18.VIII.2000, leg. A.R.; 2 ♀♀, Vuya-Yany River near Ay-Vuya-Yany River mouth. Flood-plain lake shore: young *Betula* and *Populus tremula*, *Carex* spp., *Filipendula ulmaria*, Gramineae, *Sphagnum girgensohnii*, *Aulacomnium* sp., *Climacium dendroides*, *Comarum palustre*, 23.VIII.2000, leg. A.R.; 4 ♀♀, Nyogus'yakh River Basin near Petchpan'yakh River mouth. Mosses and litter in swampy flood-plain forest, between *Betula*, *Abies sibirica*, *Picea obovata*, *Salix* sp., *Pinus sibirica* etc.: tussocks of *Carex* spp., *Filipendula ulmaria*, Gramineae, *Comarum palustre*, *Menyanthes trifoliata*, *Plagiomnium* sp., *Aulacomnium* sp., *Climacium dendroides* etc., 12.IX.2000, leg. A.R.; 2 ♀♀, Kol-Kotchen-Yagun River Basin (confluent of Malyy Yugan River), lake near cordon. Tussocks with *Carex* spp., *Calamagrostis* sp., *Comarum palustre* between sparse *Betula* and *Pinus sylvestris* at NW shore of lake: *Sphagnum centrale*, *Sph. girgensohnii*, *Sph.* ?*aongstroemii*, *Sph.* spp., *Climacium dendroides*, *Plagiomnium* sp., *Salix* sp., *Spiraea* sp. etc., 17.IX.2001, leg. A.R.; 1 ♂, Kol-Kotchen-Yagun River Basin (confluent of Malyy Yugan River), lake near cordon. Swampy birch-willow sparse forest by

SE shore of lake: tussocks of *Carex* spp. with a touch of *Calamagrostis* sp., *Comarum palustre*, *Sphagnum squarrosum*, *Sph. centrale*, *Sph.* spp. etc., as well as mosses and litter between those, 20.IX.2001, leg. A.R.; 3 ♀♀, Kol-Kotchen-Yagun River (confluent of Malyi Yugan River) NE of cordon. River bank with *Carex* spp., Gramineae, *Filipendula ulmaria*, *Urtica dioica*, *Spiraea* sp. etc., 23.IX.2001, leg. A.R.

1 ♂, Tyumen, VI.2000, leg. U.

DISTRIBUTION. Throughout the Palaearctic.

Pelecopsis parallela (Wider, 1834)

1996 *Pelecopsis parallela*, Esyunin, Ekosistemy Srednego Priob'ya, 1, p. 73.

DISTRIBUTION. Throughout the Palaearctic except for the southern part of the Far East.

Perregrinus deformis (Tanasevitch, 1982)

MATERIAL. 2 ♀♀, Yuganskiy Reserve, Nyogus'yakh River, cordon Bisarkina. Mosses and litter at forest lake shore: *Carex* spp., *Filipendula ulmaria*, Gramineae, *Equisetum* spp., ferns, *Plagiomnium* sp., *Climacium dendroides*, *Sphagnum squarrosum*, *Tomenthypnum* sp. etc., 26.X.1998, leg. A.R.; 1 ♀, Ay-Magromsy River Basin, Medvezhyi Ugol cordon, mosses and litter at rill bank and on flood-plain of rill: *Calamagrostis* sp., *Ribes* spp., *Rosa* sp., *Filipendula ulmaria*, *Matteuccia struthiopteris*, *Equisetum sylvaticum*, *Sphagnum squarrosum*, *Sph. girgensobnii*, *Sph.* spp., *Plagiomnium* sp. etc., 20.IX.2002, leg. A.R.

DISTRIBUTION. From the Urals through entire Siberia, in the Nearctic from the Yukon eastward to Quebec.

Pityohyphantes phrygianus (C.L. Koch, 1836)

1996 *Pityohyphantes phrygianus*, Esyunin, Ekosistemy Srednego Priob'ya, 1, p. 71.

DISTRIBUTION. Throughout the Palaearctic.

Pocadicnemis pumila (Blackwall, 1841)

MATERIAL. 2 ♀♀, Yuganskiy Reserve, Nyogus'yakh River, cordon Bisarkina. Moss and litter on swamp amid flood plain forest near foot of slope: *Menyanthes trifoliata*, *Equisetum* spp., *Sphagnum squarrosum* (sparse), *Sph. ?centrale*, *Sph.* spp., *Nardosmia frigida*, *Carex* spp., Gramineae, *Salix* sp., *Comarum palustre*, *Filipendula ulmaria*, *Tomenthypnum* sp., *Plagiomnium* sp. etc., 27.X.1998, leg. A.R.; 1 ♀, Nyogus'yakh River near Kogontchina-2 field research station. Mosses and litter on swamp with *Pinus sylvestris*, *Betula*, *Ledum palustre*, *Andromeda polifolia*, *Chamaedaphne calyculata*, *Vaccinium uliginosum*, *Eriophorum* sp., *Oxycoccus palustris*, *Sphagnum fuscum*, *Sph. magellanicum*, *Sph. ?angustifolium*, *Sph.* spp., *Rubus chamaemorus* etc., 31.VIII.2000, leg. A.R.; 1 ♀, near S border of buffer area of Yuganskiy Reserve, Kolylnor Lake. Lake shore: *Carex* spp., Gramineae, *Sphagnum* spp. etc., 29.VIII.2001, leg. A.R.; 3 ♀♀, near S border of buffer area of Yuganskiy Reserve, Kolylnor Lake. Mosses and litter by lake shore: *Carex* spp., Gramineae, *Sphagnum girgensobnii*, *Sph. squarrosum*, *Sph.* spp. sparse *Betula*, *Salix* sp. etc., 05.IX.2001, leg. A.R.; 1 ♀, Yuganskiy Reserve, Ay-Magromsy River Basin, Medvezhyi Ugol cordon, mosses and litter at southern border of sedge-mossy swamp: *Carex rostrata*, *C.* spp., *Comarum palustre*, *Equisetum* spp., *Sphagnum girgensobnii*, *Sph.* spp., *Plagiomnium* sp., *Aulacomnium* sp., *Calamagrostis* sp., *Menyanthes trifoliata* etc., among sparse young birches, 04.X.2002, leg. A.R.

1 ♀, Tobolsk Field Research Station, mosses and litter and in sweeping on small swamp with *Carex* spp., Poaceae, *Sphag-*

num girgensobnii, *Sph. squarrosum*, *Sph. ?riparium*, *Sph. ?balticum*, *Sph. centrale* etc., 10.VI.2004, leg. A.R.

1 ♀, Luginetsky, swampy spruce (*Picea*) forest, in moss, 25.VIII.1998, leg. A.T.; 1 ♀, *Picea* & *Betula* forest, in moss, 21.VIII.1998, leg. A.T.

2 ♀♀, Tyumen, VI.2000, leg. U.

DISTRIBUTION. Throughout the Holarctic. This is the first record in West Siberia.

Porrhomma pallidum Jackson, 1913

MATERIAL. 1 ♀, Surgutskiy Refuge, Ob' River Basin, Materikovyi Pasi Channel. Mosses and litter under *Pinus sibirica* and *Picea obovata* with *Hylocomium splendens*, *Pleurozium schreberi*, *Linnaea*, *Vaccinium vitis-idaea*, *V. myrtillus*, *Polytrichum commune*, *Majanthemum bifolium*, *Trientalis europaea*, *Lycopodium* sp., *Diphasiastrum* sp., *Equisetum sylvaticum*, *E. ?pratense* etc., 12.VIII.2000, leg. A.R.

2 ♀♀, Yuganskiy Reserve, Vuya-Yany River near Ay-Vuya-Yany River mouth. Mosses and litter on swamp: *Pinus sylvestris*, *Ledum palustre*, *Andromeda polifolia*, *Chamaedaphne calyculata*, *Oxycoccus* spp., *Sphagnum magellanicum*, *Sph. ?angustifolium*, *Eriophorum* sp. etc., 27.VIII.2000, leg. A.R.

DISTRIBUTION. Throughout the Palaearctic. This is the first record in West Siberia.

Porrhomma pygmaeum (Blackwall, 1834)

1996 *Porrhomma pygmaeum*, Esyunin, Ekosistemy Srednego Priob'ya, 1, p. 71.

MATERIAL. 5 ♂♂, Surgutskiy Refuge, Ob' River Basin, right bank of Materikovyi Pasi Channel. Lake shore: *Carex* spp., *Comarum palustre*, Lamiaceae, *Climacium*, *Plagiomnium* sp. etc., 10.VIII.2000, leg. A.R.

1 ♀, near Ugut, Ugutka River Basin. Mosses and litter at forest with *Pinus sylvestris*, *Betula*, *Ledum palustre*, *Vaccinium myrtillus*, *V. vitis-idaea*, *Dicranum* sp., *Pleurozium schreberi*, *Hylocomium splendens*, underwood of *Pinus sibirica* etc., 11.X.1998, leg. A.R.

2 ♂♂, 6 ♀♀, Yuganskiy Reserve, near Vuya-Yany River mouth. Moss and litter at hummocks at bank of old channel with *Carex* spp., *Comarum palustre*, *Filipendula ulmaria*, Gramineae, *Plagiomnium* sp. etc., 12.VIII.1998, leg. A.R.; 3 ♂♂, 4 ♀♀, Nyogus'yakh River, cordon Bisarkina. Tussocks with *Carex* spp., Gramineae, *Filipendula ulmaria*, *Plagiomnium* sp., *Tomenthypnum* sp. etc., at flood-plain lake shore, 30.X.1998, leg. A.R.; 2 ♂♂, 3 ♀♀, Bolshoy Yugan River, near cordon Kamennyi. Waterlogged forest road (winter road): *Carex* spp., *Eriophorum* sp., Gramineae, *Sphagnum* spp., *Polytrichum* spp. etc., 22.VIII.1999, leg. A.R.; 4 ♀♀, Bolshoy Yugan River, near cordon Kamennyi. Margin of small open forest swamp: Gramineae, *Carex* spp., *Sphagnum* spp., *Polytrichum commune*, *Comarum palustre* et al., 24.VIII.1999, leg. A.R.; 2 ♀♀, Malyi Yugan River Basin, 3–5 km SW of cordon at Kol-Kotchen-Yagun River, near lake. Moss and litter under *Pinus sibirica*, *P. sylvestris*, young *Abies* with *Hylocomium splendens*, *Pleurozium schreberi*, *Dicranum* sp., *Vaccinium myrtillus*, *V. vitis-idaea*, *Linnaea borealis*, sparse *Ledum* on low knoll, 09.IX.1999, leg. A.R.; 3 ♀♀, Malyi Yugan River Basin, 3–5 km SW of cordon at Kol-Kotchen-Yagun River, near lake. Moss and litter at lake shore (on cape near hut): *Padus*, *Salix*, young *Populus tremula*, sedge and graminoid tussocks, *Comarum palustre*, *Equisetum* spp., *Aulacomnium* sp. et al., 11.IX.1999, leg. A.R.; 2 ♂♂, Malyi Yugan River Basin, 3–5 km SW of cordon at Kol-Kotchen-Yagun River, Moss and litter under *Picea* and *Abies* with *Hylocomium splendens*, *Pleurozium schreberi*, *Polytrichum commune*, *Linnaea borealis*, sparse *Equisetum sylvaticum*, *Majanthemum bifolium*, *Trientalis europaea*, *Vaccinium vitis-idaea*, 12.IX.1999, leg. A.R.; 4 ♀♀, Malyi Yugan River Basin, Kol-Kotchen-Yagun River, 3–4 km S of cordon. Moss and litter at river bank: *Padus*, *Salix* sp., *Spiraea*

spp., *Filipendula ulmaria*, *Ribes nigrum*, *Galium* sp., *Carex* spp., Gramineae, *Equisetum* spp., ?*Aulacomnium* sp., *Plagiomnium* sp., *Climacium dendroides* et al., 13.IX.1999, leg. A.R.; 2 ♀♀, Malyi Yugan River Basin, 3–5 km SW of cordon at Kol-Kotchen-Yagun River, near lake. Litter under birch and aspen in birch forest with low hummocky near SE shore of lake: *Betula*, sparse *Populus tremula*, *Salix* sp., *Spiraea* sp., *Carex* spp., Gramineae, *Comarum palustre*, sparse *Equisetum sylvaticum* et al., 15.IX.1999, leg. A.R.; 1 ♂, Malyi Yugan River Basin, 3–5 km SW of cordon at Kol-Kotchen-Yagun River, near lake. Litter between tussocks and sedge-graminoid tussocks in birch forest with low hummocky near SE shore of lake: *Betula*, sparse *Populus tremula*, *Salix* sp., *Spiraea* sp., *Carex* spp., Gramineae, *Comarum palustre*, sparse *Equisetum sylvaticum* et al., 15.IX.1999, leg. A.R.; 1 ♀, Malyi Yugan River Basin, 3–5 km SW of cordon at Kol-Kotchen-Yagun River, near lake. Mosses and litter on graminoid hummocky between sparse *Betula*, *Populus tremula*, *Spiraea* sp., *Padus* with *Plagiomnium* sp. et al., 25.IX.1999, leg. A.R.; 1 ♀, Vuya-Yany River Basin, Ay-Vuya-Yany River near mouth. River bank: *Carex* sp., *Equisetum* sp. 19.VIII.2000, leg. A.R.; 2 ♂♂, 3 ♀♀, Nyogus'yakh River near Kogontchina-2 field research station. Swampy bank of old river channel: *Carex* hummocks, Gramineae, *Filipendula ulmaria*, *Comarum palustre*, *Padus*, *Rosa* sp., *Salix* sp., true mosses etc., 01.IX.2000, leg. A.R.; 4 ♂♂, 7 ♀♀, Nyogus'yakh River near Kogontchina-2 field research station. Rill banks from raised moss to confluence with Nyogus'yakh River: *Sph. ?angustifolium*, *Sph. magellanicum*, *Sphagnum ?russowii*, *Sph. girgensobnii*, *Sph. riparium*, *Carex globularis*, *C. acuta*, *C. sp.*, *Filipendula ulmaria*, *Plagiomnium* sp., *Marchantia* sp. etc., 04.IX.2000, leg. A.R.; 3 ♂♂, 6 ♀♀, Nyogus'yakh River Basin near Petchpan'yakh River mouth, N shore of great lake. Mosses, litter, shaking off from grass: *Carex* spp., Gramineae, *Comarum palustre*, *Salix* sp., ?*Aulacomnium* sp., *Plagiomnium* sp. etc., 08.IX.2000, leg. A.R.; 4 ♂♂, 2 ♀♀, Nyogus'yakh River Basin near Petchpan'yakh River mouth. Mosses and litter on large swamp: *Carex* spp., *Comarum palustre*, *Equisetum* sp., *Eriophorum* sp., Gramineae, *Rumex* sp., ?*Aulacomnium* sp., *Plagiomnium* sp., *Ptilium crista-castrensis*, *Sphagnum* sp., *Chamaenerium angustifolium*, *Betula* and *Salix* sp. etc., 13.IX.2000, leg. A.R.; 1 ♂, 1 ♀, Vuya-Yany River near Ay-Vuya-Yany River mouth. Flood-plain lake shore: young *Betula* and *Populus tremula*, *Carex* spp., *Filipendula ulmaria*, Gramineae, *Sphagnum girgensobnii*, *Aulacomnium* sp., *Climacium dendroides*, *Comarum palustre*, 23.VIII.2000, leg. A.R.; 1 ♂, 1 ♀, Nyogus'yakh River near Kogontchina-2 field research station. Mosses and peat on flood-plain forest swamp with *Filipendula ulmaria*, Gramineae, *Ribes nigrum*, *Sorbus sibirica*, *Rosa* sp., *Matteuccia struthiopteris*, *Comarum palustre*, *Rubus saxatilis* etc., 29.VIII.2000, leg. A.R.; 2 ♀♀, Nyogus'yakh River near Kogontchina-2 field research station. River bank: *Carex* sp. and Gramineae, 30.VIII.2000, leg. A.R.; 1 ♀, Nyogus'yakh River Basin near Petchpan'yakh River mouth. Mosses and litter in swampy flood-plain forest, between *Betula*, *Abies sibirica*, *Picea obovata*, *Salix* sp., *Pinus sibirica* etc.: tussocks of *Carex* spp., *Filipendula ulmaria*, Gramineae, *Comarum palustre*, *Menyanthes trifoliata*, *Plagiomnium* sp., *Aulacomnium* sp., *Climacium dendroides* etc., 12.IX.2000, leg. A.R.; 3 ♂♂, 1 ♀, Bolshoy Yugan River, 6–7 km below Sugmuten'yakh River mouth. Mosses and litter between sedges and Gramineae on swamped winter road with *Carex* spp., *Calamagrostis* sp., *Sphagnum girgensobnii*, *Sph.* spp. etc., and on the plot without *Sphagnum* spp., 21.VIII.2001, leg. A.R.; 2 ♂♂, 3 ♀♀, Bolshoy Yugan River, 6–7 km below Sugmuten'yakh River mouth. Mosses and litter between *Carex* spp., Gramineae, *Filipendula ulmaria*, *Spiraea* sp., with *Plagiomnium* sp., *Climacium dendroides* etc., on swamped forest road. 22.VIII.2001, leg. A.R.; 5 ♀♀, near S border of buffer area of Yuganskiy Reserve, Kolylnor Lake. Lake shore: *Carex* spp., Gramineae, *Sphagnum* spp. etc., 29.VIII.2001, leg. A.R.; 3 ♂♂, 5 ♀♀, near S border of buffer area of Yuganskiy Reserve, Koimlor (Krimlor) Lake. Mosses between *Equisetum fluviatile* and under *Salix* sp. on marshy lake shore,

02.IX.2001, leg. A.R.; 3 ♀♀, near S border of buffer area of Yuganskiy Reserve, Koimlor (Krimlor) Lake. Mosses and litter in tussocks between sparse *Betula* and *Salix* sp. near lake shore: *Carex* spp., Gramineae, *Sphagnum squarrosum*, *Sph. centrale*, *Sph. girgensobnii*, *Comarum palustre*, sparse *Equisetum* sp. 02.IX.2001, leg. A.R.; 2 ♀♀, near S border of buffer area of Yuganskiy Reserve, Kolylnor Lake. Lake shore: *Carex* spp., Gramineae, *Sphagnum girgensobnii*, *Sph. squarrosum*, *Sph.* spp. sparse *Betula*, *Salix* sp. etc., 04.IX.2001, leg. A.R.; 1 ♀, near S border of buffer area of Yuganskiy Reserve, Kolylnor Lake. Mosses and litter by lake shore: *Carex* spp., Gramineae, *Sphagnum girgensobnii*, *Sph. squarrosum*, *Sph.* spp. sparse *Betula*, *Salix* sp. etc., 05.IX.2001, leg. A.R.; 1 ♂, Kol-Kotchen-Yagun River Basin (confluent of Malyi Yugan River), lake near cordon. Tussocks with *Carex* spp., *Calamagrostis* sp., *Comarum palustre* between sparse *Betula* and *Pinus sylvestris* at NW shore of lake: *Sphagnum centrale*, *Sph. girgensobnii*, *Sph. ?aongstroemii*, *Sph.* spp., *Climacium dendroides*, *Plagiomnium* sp., *Salix* sp., *Spiraea* sp. etc., 17.IX.2001, leg. A.R.; 2 ♂♂, Yuganskiy Reserve, Kol-Kotchen-Yagun River Basin (confluent of Malyi Yugan River), lake near cordon. Swampy birch-willow sparse forest by SE shore of lake: tussocks of *Carex* spp. with a touch of *Calamagrostis* sp., *Comarum palustre*, *Sphagnum squarrosum*, *Sph. centrale*, *Sph.* spp. etc., as well as mosses and litter between those, 20.IX.2001, leg. A.R.; 1 ♀, Kol-Kotchen-Yagun River (confluent of Malyi Yugan River) NE of cordon. River bank with *Carex* spp., Gramineae, *Filipendula ulmaria*, *Urtica dioica*, *Spiraea* sp. etc., 23.IX.2001, leg. A.R.; 2 ♀♀, Kol-Kotchen-Yagun River (confluent of Malyi Yugan River) NE of cordon. Swampy flood-plain birch forest: tussocks of *Carex* spp. & Gramineae, *Comarum palustre*, *Filipendula ulmaria*, Ranunculaceae, *Sphagnum girgensobnii*, *Sph.* spp., *Climacium dendroides*, *Plagiomnium* sp. etc., 23.IX.2001, leg. A.R.; 3 ♂♂, 1 ♀, Kol-Kotchen-Yagun River Basin (confluent of Malyi Yugan River), lake near cordon. Mosses and litter by NE shore of lake: spp., tussocks of *Carex* spp., *Calamagrostis* sp., *Sphagnum squarrosum* (*aongstroemii*), *Sph. centrale*, *Sph. ?girgensobnii*, *Sph. russowii* between sparse birch wood with isolated *Pinus sylvestris*. 30.IX.2001, leg. A.R.; 2 ♀♀, right riverside of Bolshoy Yugan River near Kamennyi cordon. Mosses and litter in pine forest with *Cladonia* spp., *Vaccinium vitis-idaea*, *Pleurozium schreberi*, *Dicranum polysetum*, sparse *Ledum palustre* etc., 18.VIII.2002, leg. A.R.; 1 ♂, right riverside of Bolshoy Yugan River near cordon Kamennyi. Mosses and litter among tussocks of *Carex* spp. and Gramineae with *Sphagnum girgensobnii*, *Sph.* spp., *Polytrichum commune* etc., in waterlogged birch forest on flood-plain, 19.VIII.2002, leg. A.R.; 2 ♀♀, right riverside of Bolshoy Yugan River near cordon Kamennyi. Mosses and litter in forest with *Picea obovata*, *Abies sibirica*, *Pinus sibirica*, *Carex* spp. and Gramineae with *Sphagnum girgensobnii*, *Sph.* spp., *Polytrichum commune* etc., in waterlogged birch forest on flood-plain, 21.VIII.2002, leg. A.R.; 1 ♂, Ay-Magromsy River Basin, Medvezhyi Ugol cordon, mosses and litter under *Pinus sylvestris*, *P. sibirica*, *Picea obovata*, *Betula* with *Vaccinium vitis-idaea*, *V. myrtillus*, *Pleurozium schreberi*, *Hylocomium splendens*, *Dicranum polysetum*, *Sphagnum ?warnstorffii*, *Linnaea borealis*, *Equisetum sylvaticum* etc., under aspen trunk, and under mosses, lichens, bark scales on bases of pine trees, 18.IX.2002, leg. A.R.; 1 ♀, Ay-Magromsy River Basin, Medvezhyi Ugol cordon, mosses and litter at rill bank and on flood-plain of rill: *Calamagrostis* sp., *Ribes* spp., *Rosa* sp., *Filipendula ulmaria*, *Matteuccia struthiopteris*, *Equisetum sylvaticum*, *Sphagnum squarrosum*, *Sph. girgensobnii*, *Sph.* spp., *Plagiomnium* sp. etc., 20.IX.2002, leg. A.R.; 7 ♂♂, 4 ♀♀, Malyi Yugan River, cordon below Lyarykni River mouth, open swamp with tussocks of *Carex* spp. and *Calamagrostis* sp. with *Comarum palustre*, *Salix* sp., *Sphagnum squarrosum*, *Sph.* spp., ?*Aulacomnium* sp. etc., between sparse young *Betula*, 17.VIII.2003, leg. A.R.; 2 ♀♀, Malyi Yugan River, cordon below Lyarykni River mouth, dried open sedge swamp: *Carex* spp. and *Calamagrostis* sp. (channel of temporary stream), 17.VIII.2003, leg. A.R.; 20 ♂♂ & ♀♀, Malyi Yugan River, near cordon below Maalyakh River mouth, mosses and litter in forest with *Pinus sibirica*, *P. sylvestris*, *Picea*, *Betula*, *Populus tremula*, *Abies*, *Equisetum*

sylvaticum, *Linnaea borealis*, *Vaccinium vitis-idaea*, *V. myrtillosum*, *Carex globularis*, *Pleurozium schreberi*, *Hylocomium splendens*, *Polytrichum commune*, sparse spots of *Sphagnum girgensohnii* and *Ledum palustre*, 20.VIII.2003, leg. A.R.; 20 ♂♂ & ♀♀, Yuganskiy Reserve (buffer zone), flood-plain of a rill (confluent of Malyy Yugan River) near Achimovy-2 village: tussocks of *Carex* spp. and Poaceae, depressions with *Carex rostrata*, *Filipendula ulmaria*, *Comarum palustre*, *Urtica dioica*, *Sphagnum centrale*, *Climacium dendroides*, *Plagiomnium* sp., *Rubus saxatilis*, *Salix* sp., sparse *Betula* and *Picea*, 24.VIII.2003, leg. A.R.

12 ♂♂ & ♀♀, Tobolsk Field Research Station, flood-plain swamp near left bank of Irtysh River: *Carex* spp., *Comarum palustre*, *Salix* sp., *Climacium dendroides*, small true mosses, *Lemna* sp. etc., 15.IX.2003, leg. A.R.; 50 ♂♂ & ♀♀, flood-plain swamps of left bank of Irtysh River with *Salix* sp., *Betula*, *Carex* spp., *Comarum palustre*, *Climacium dendroides*, *Aulacomnium palustre*, *Sphagnum girgensohnii*, *Sph. ?russowii*, *Sph. centrale*, *Sph. squarrosum* etc., 27.IX.2003, leg. A.R.; 5 ♂♂, 2 ♀♀, mosses and litter and in sweeping on small swamp with *Carex* spp., Poaceae, *Sphagnum girgensohnii*, *Sph. squarrosum*, *Sph. ?riparium*, *Sph. ?balticum*, *Sph. centrale* etc., 20.IX.2003, leg. A.R.; 6 ♂♂, 3 ♀♀, in leaf litter under *Salix* sp. at border of open flood-plain depression of left bank of Irtysh River, 19.IX.2003, leg. A.R.; 30 ♂♂, 3 ♀♀, flood-plain of Missiinka River near mouth, in litter under *Salix* sp., 18.IX.2003, leg. A.R.; 2 ♂♂, 1 ♀, small swamp with *Carex* sp. and *Salix* sp. amid birch forest on high flood-plain of left bank of Irtysh River, 30.IX.2003, leg. A.R.; 2 ♂♂, 5 ♀♀, mosses and litter among *Carex* spp. with *Plagiomnium* sp. etc., on swampy forest road, 13.IX.2003, leg. A.R.; 5 ♂♂, 7 ♀♀, mosses and litter and in sweeping on small swamp with *Carex* spp., Poaceae, *Sphagnum girgensohnii*, *Sph. squarrosum*, *Sph. ?riparium*, *Sph. ?balticum*, *Sph. centrale* etc., 21.IX.2003, leg. A.R.; 2 ♀♀, gentle sandy left bank of Irtysh River with clayish spots: among *Equisetum* sp., 15.IX.2003, leg. A.R.; 1 ♂, 1 ♀, steep right bank of Irtysh River up-stream of Tobolsk Field Research Station, small mosses and litter among *Tussilago farfara* on clay and loam, 14.IX.2003, leg. A.R.; 20 ♂♂ & ♀♀, in litter under *Salix* sp. with Poaceae, *Carex* sp., *Filipendula ulmaria*, Lamiaceae etc., 26.IX.2003, leg. A.R.; 2 ♂♂, 1 ♀, steep right bank of Irtysh River up-stream of Tobolsk Field Research Station, small mosses and litter among *Tussilago farfara* on clay and loam, 17.IX.2003, leg. A.R.; 1 ♀, Tobolsk Field Research Station, flood-plain of Missiinka River near mouth, sweeping on *Carex* spp., *Comarum palustre*, *Mentha* sp., *Lythrum* sp., *Stachys* sp. etc., 18.IX.2003, leg. A.R.; 1 ♂, 3 ♀♀, steep right bank of Irtysh River up-stream of Tobolsk Field Research Station, small mosses and litter among *Tussilago farfara* on clay and loam, 03.X.2003, leg. A.R.; 20 ♂♂ & ♀♀, Tobolsk Field Research Station, in moss (*Climacium dendroides*) and leaf litter under *Salix* sp. at lake shore on open flood-plain of left bank of Irtysh River, 19.IX.2003, leg. A.R.; 2 ♂♂, 4 ♀♀, in mosses and litter under *Betula*, *Picea*, *Abies* with *Pyrola* sp., *Carex globularis*, Poaceae, *Equisetum sylvaticum*, *Linnaea borealis*, *Pleurozium schreberi*, *Dicranum polysetum*, *Oxalis acetosella*, *Galium* sp., *Aegopodium podagraria*, *Rubus idaeus*, *R. saxatilis* etc., on slope (from foot to top), 28.IX.2003, leg. A.R.; 2 ♀♀, mosses and litter on plate crest near bank of Irtysh River: birch forest with sparse young *Pinus sibirica*, *Abies*, *Tilia*, *Sorbus*, *Carex globularis*, Poaceae, *Pyrola* sp., *Equisetum sylvaticum* etc., 10.IX.2003, leg. A.R.; 15 ♂♂ & ♀♀, flood-plain of left bank of Irtysh River, swampy shore of Letneye Lake: *Carex* spp., *Comarum palustre*, *Scirpus* sp., mosses. 01.X.2003, leg. A.R.; 15 ♂♂ & ♀♀, Tobolsk Field Research Station, mosses and litter among sparse *Salix* spp., *Betula*, *Pinus sylvestris* with tussocks of *Carex* spp., Poaceae, *Lythrum* sp., *Filipendula ulmaria*, *Climacium dendroides*, isolated spots of *Sphagnum squarrosum*, *Sph.* sp. etc., on swamped flood-plain of left bank of Irtysh River, 29.IX.2003, leg. A.R.; 25 ♂♂ & ♀♀, in litter and mosses under *Salix* sp. with Poaceae, *Carex* spp., *Filipendula ulmaria*, *Galium* sp., *Climacium dendroides* etc., at border of flood-plain of Varpak River, 23.IX.2003, leg. A.R.; 1 ♀, mosses and litter in swampy birch forest with *Pinus sylvestris*, *Ledum palustre*, *Vaccinium uliginosum*, *Carex globularis*, *Sphagnum girgensohnii*, *Sph. ?russowii*, *Sph.* spp., *Polytrichum com-*

mune, *P. strictum*, *Pleurozium schreberi*, *?Aulacomnium* sp., *Climacium dendroides* etc., 30.IX.2003, leg. A.R.; 6 ♀♀, Tobolsk Field Research Station, flood-plain of left bank of Irtysh River, swampy side of Letneye Lake: *Carex* spp., *Comarum palustre*, *Calamagrostis* sp., small true mosses, 03.VI.2004, leg. A.R.; 14 ♀♀, in litter under *Pinus sibirica*, *Tilia cordata*, *Betula*, *Populus tremula*, *Picea obovata*, *Abies sibirica* with *Carex globularis*, *Stellaria* sp., *Maianthemum bifolium*, *Lathyrus* sp., *Equisetum sylvaticum*, *Pyrola* sp. etc., on slope, 06.VI.2004, leg. A.R.; 1 ♂, 4 ♀♀, mosses and litter under *Betula* with *Equisetum sylvaticum*, *Pyrola* sp., *Lathyrus* sp. etc., on gentle slope near crest of Spartakovskaya Mt., 06.VI.2004, leg. A.R.; 6 ♂♂, 5 ♀♀, plant debris and leaf litter at margin of inundated flood-plain of Varpak River: *Carex* sp., Poaceae, *Lythrum* sp., *Salix* sp. on gentle slope, aspen trees on steep slope, depression in the ground with aspen leaf drift, 07.VI.2004, leg. A.R.; 20 ♂♂ & ♀♀, flood-plain swamp near left bank of Irtysh River: *Carex* spp., *Comarum palustre*, *Salix* sp., *Climacium dendroides*, small true mosses, *Lemna* sp. etc., 09.VI.2004, leg. A.R.; 2 ♂♂, 3 ♀♀, mosses and plant debris in swampy birch-willow sparse forest of flood-plain near left bank of Irtysh River: *Carex* spp., *Calamagrostis* sp., *Sphagnum ?balticum*, *Sph. ?girgensohnii*, *Sph. squarrosum*, *Comarum palustre*, *Lythrum* sp., *Filipendula ulmaria*, *Climacium dendroides* etc., 09.VI.2004, leg. A.R.; 3 ♂♂, 2 ♀♀, 11 km S of Gornoslinskino, clayish right bank of Irtysh River (narrow fold at rill mouth) up-stream of Tobolsk Field Research Station, in leaf litter and sweeping under *Salix* sp. with small true mosses, *Marchantia* sp., *Equisetum* sp., *Carex* sp., *Calamagrostis* sp. etc., 11.VI.2004, leg. A.R. 12 ♂♂ & ♀♀, clayish right bank of Irtysh River (narrow fold at rill mouth) up-stream of Tobolsk Field Research Station, leaf litter under *Salix* sp. with small true mosses, *Marchantia* sp., *Equisetum* sp., *Carex* sp., *Calamagrostis* sp. etc., 04.VI.2004, leg. A.R.

DISTRIBUTION. Throughout the Palaearctic.

Praestigia pini (Holm, 1950)

1996 *Praestigia pini*, Esysunin, Ekosistemy Srednego Priob'ya, 1, p. 73.

DISTRIBUTION. Fennoscandia, throughout Siberia, known in Mongolia.

Savignia frontata Blackwall, 1833

MATERIAL. 1 ♂, Surgutskiy Refuge, Ob' River Basin, right bank of Materikovoyi Pasi Channel. Lake shore: *Carex* spp., *Comarum palustre*, Lamiaceae, *Climacium*, *Plagiomnium* sp. etc., 10.VIII.2000, leg. A.R.

1 ♂, Yuganskiy Reserve, near Vuya-Yany River mouth. Moss and litter at border of open swamp with *Carex* spp., *?Eriophorum* sp., *Comarum palustre*, *Equisetum* sp., *Sphagnum ?girgensohnii*, *Sph. squarrosum*, *Maianthemum bifolium*, sparse *Betula* etc., 15.VIII.1998, leg. A.R.; 1 ♀, Nyogus'yakh River, cordon Bisarkina. River bank: mosses and litter under *Salix* spp., *Padus*, *Matteuccia struthiopteris*, *Filipendula ulmaria*, *Urtica dioica* etc., 29.X.1998, leg. A.R.; 2 ♂♂, 4 ♀♀, Bolshoy Yugan River, near cordon Kamennyi. Waterlogged forest road (winter road): *Carex* spp., *Eriophorum* sp., Gramineae, *Sphagnum* spp., *Polytrichum* sp. etc., 22.VIII.1999, leg. A.R.; 2 ♀♀, Malyy Yugan River Basin, Kol-Kotchen-Yagun River, 3–4 km S of cordon. Moss and litter at river bank: *Padus*, *Salix* sp., *Spiraea* spp., *Filipendula ulmaria*, *Ribes nigrum*, *Galium* sp., *Carex* spp., Gramineae, *Equisetum* spp., *?Aulacomnium* sp., *Plagiomnium* sp., *Climacium dendroides* et al., 13.IX.1999, leg. A.R.; 1 ♂, Vuya-Yany River near Ay-Vuya-Yany River mouth. Flood-plain depression: *Filipendula ulmaria*, *Carex* sp., Gramineae, *Spiraea* sp., *Ribes nigrum*, *Comarum palustre*, *Sphagnum squarrosum*, *Sph. girgensohnii*, *Climacium dendroides*, *Aulacomnium* sp., *Plagiomnium* sp. etc., 24.VIII.2000, leg. A.R.; 4 ♂♂, 5 ♀♀, Vuya-Yany River near Ay-Vuya-Yany River mouth. Clay river banks near mouth of small left confluent (500 m

lower of field research station): *Carex* spp., Gramineae, *Mentha* sp., *Trollius* sp. etc., 25.VIII.2000, leg. A.R.; 1 ♂, 1 ♀, Nyogus'yakh River near Kogontchina-2 field research station. Swampy bank of old river channel: *Carex hummocks*, Gramineae, *Filipendula ulmaria*, *Comarum palustre*, *Padus*, *Rosa* sp., *Salix* sp., true mosses etc., 01.IX.2000, leg. A.R.; 1 ♀, Vuya-Yany River near Ay-Vuya-Yany River mouth. Flood-plain lake shore: young *Betula* and *Populus tremula*, *Carex* spp., *Filipendula ulmaria*, Gramineae, *Sphagnum girgensohnii*, *Aulacomnium* sp., *Climacium dendroides*, *Comarum palustre*, 23.VIII.2000, leg. A.R.; 2 ♀♀, Nyogus'yakh River near Kogontchina-2 field research station. River bank: *Filipendula ulmaria*, Gramineae, *Salix* sp., *Padus avium*, *Gallium* sp., mosses, 30.VIII.2000, leg. A.R.; 3 ♂♂, 6 ♀♀, Nyogus'yakh River Basin near Petchpan'yakh River mouth. Mosses and litter in swampy flood-plain forest, between *Betula*, *Abies sibirica*, *Picea obovata*, *Salix* sp., *Pinus sibirica* etc.: tussocks of *Carex* spp., *Filipendula ulmaria*, Gramineae, *Comarum palustre*, *Menyanthes trifoliata*, *Plagiomnium* sp., *Aulacomnium* sp., *Climacium dendroides* etc., 12.IX.2000, leg. A.R.; 1 ♀, Malyi Yugan River, near cordon below Maalyakh River mouth, mosses and litter in forest with *Pinus sibirica*, *P. sylvestris*, *Picea*, *Betula*, *Populus tremula*, *Abies*, *Equisetum sylvaticum*, *Linnaea borealis*, *Vaccinium vitis-idaea*, *V. myrtillus*, *Carex globularis*, *Pleurozium schreberi*, *Hylocomium splendens*, *Polytrichum commune*, sparse spots of *Sphagnum girgensohnii* and *Ledum palustre*, 20.VIII.2003, leg. A.R.; 7 ♂♂, 3 ♀♀, Yuganskiy Reserve (buffer zone), flood-plain of a rill (confluent of Malyi Yugan River) near Achimovy-2 village: tussocks of *Carex* spp. and Poaceae, depressions with *Carex rostrata*, *Filipendula ulmaria*, *Comarum palustre*, *Urtica dioica*, *Sphagnum centrale*, *Climacium dendroides*, *Plagiomnium* sp., *Rubus saxatilis*, *Salix* sp., sparse *Betula* and *Picea*, 24.VIII.2003, leg. A.R.

5 ♂♂, 1 ♀, Tobolsk Field Research Station, flood-plain swamp near left bank of Irtysh River: *Carex* spp., *Comarum palustre*, *Salix* sp., *Climacium dendroides*, small true mosses, *Lemna* sp. etc., 15.IX.2003, leg. A.R.; 1 ♀, flood-plain swamps of left bank of Irtysh River with *Salix* sp., *Betula*, *Carex* spp., *Comarum palustre*, *Climacium dendroides*, *Aulacomnium palustre*, *Sphagnum girgensohnii*, *Sph. ?russowii*, *Sph. centrale*, *Sph. squarrosum* etc., 27.IX.2003, leg. A.R.; 1 ♂, 3 ♀♀, in moss (*Climacium dendroides*) and leaf litter under *Salix* sp. at lake shore on open flood-plain of left bank of Irtysh River, 19.IX.2003, leg. A.R.; 1 ♂, 2 ♀♀, flood-plain of left bank of Irtysh River, swampy shore of Letneye Lake: *Carex* spp., *Comarum palustre*, *Scirpus* sp., mosses. 01.X.2003, leg. A.R.; 1 ♀, mosses and litter among sparse *Salix* spp., *Betula*, *Pinus sylvestris* with tussocks of *Carex* spp., Poaceae, *Lytbrum* sp., *Filipendula ulmaria*, *Climacium dendroides*, isolated spots of *Sphagnum squarrosum*, *Sph.* sp. etc., on swamped flood-plain of left bank of Irtysh River, 29.IX.2003, leg. A.R.; 2 ♀♀, in litter and mosses under *Salix* sp. with Poaceae, *Carex* spp., *Filipendula ulmaria*, *Galium* sp., *Climacium dendroides* etc., at border of flood-plain of Varpak River, 23.IX.2003, leg. A.R.; 1 ♀, plant debris among *Carex* sp. and Poaceae on promontory at margin of inundated flood-plain of Varpak River, 06.VI.2004; leg. A.R.

1 ♂, 2 ♀♀, Nefteyugansk, mixed forests: *Abies*, *Pinus sibirica*, *Picea*, *Betula* with *Equisetum*, *Vaccinium* spp., *Empetrum*, mosses, VIII.2001, leg. A.T.

DISTRIBUTION. Widespread in Europe, known in the Caucasus and eastern Kazakhstan, in Siberia from the Urals eastward to Yenisey River; recorded in Altai Mts, Tuva and Sayan. This is the first record in West Siberia.

Savignia producta Holm, 1977

1992 *Savignia producta*, Esyunin & Novokshenov, Trudy Zool. Inst. AN SSSR, 226, p. 116.

1996 *Savignia producta*, Esyunin, Ekosistemy Srednego Priob'ya, 1, p. 73.

DISTRIBUTION. Northern Europe, in Siberia known from the Urals eastward to Yenisey River.

Scandichrestus tenuis (Holm, 1943)

MATERIAL. 2 ♂♂, Noyabrskiy, dry *Pinus* forest, *Ledum*, *Vaccinium vitis-idea*, *V. uliginosum*, *Empetrum*, moss & lichen (*Cladina* & *Cetraria*), 16.VIII.2000, leg. A.T.

DISTRIBUTION. Europe, in Siberia known from the Urals eastward to Yenisey River. This is the first record in West Siberia.

Semljicola lapponicus (Holm, 1939)

MATERIAL. 1 ♂, 5 ♀♀, Noyabrskiy, *Salix* bushes along brook, litter, 15.VIII.2000, leg. A.T.

DISTRIBUTION. Northern Europe, in Siberia known from the Urals eastward to East Siberia and Cisokhotia. Unknown from the mountains of South Siberia.

Semljicola latus (Holm, 1939)

MATERIAL. 1 ♂, near Ugut, Kyniaminskoye Lake. *Sphagnum girgensohnii*, *Sph. ?russowii*, *Sph. squarrosum*, *Sph. ?centrale*, *Sph.* spp., *Equisetum sylvaticum*, *Polytrichum commune* amid swampy birch forest near lake shore, 11.VIII.2001, leg. A.R.

2 ♂♂, 1 ♀, Yuganskiy Reserve, Nyogus'yakh River near Petchpan'yakh River mouth. Mosses and litter under *Abies sibirica*, *Betula*, *Pinus sibirica*, *Sorbus sibirica* with *Hylocomium splendens*, *Pleurozium schreberi*, Gramineae, *Equisetum pratense*, *Eq. sylvaticum*, *Majanthemum bifolium*, *Trientalis europaea*, *Linnaea borealis*, *Vaccinium vitis-idaea* etc., in flood-plain forest on natural levee, 09.IX.2000, leg. A.R.; 1 ♂, Ay-Magromsky River Basin, Medvezhyi Ugol cordon, mosses and litter in flood-plain afforested sedge hummocky and on flood-plain of rill with *Filipendula ulmaria*, *Ribes* spp., *Comarum palustre*, *Equisetum sylvaticum*, *Plagiomnium* sp., *Climacium dendroides*, *Carex* sp., *Calamagrostis* sp., *Sphagnum squarrosum*, *Sph.* spp. etc., (+4C?), 01.X.2002, leg. A.R.

1 ♂, Luginetskiy, *Picea* & *Betula* forest, in moss, 28.VIII.1998, leg. A.T.

1 ♂, Tyumen, VI.2000, leg. U.

DISTRIBUTION. Northern Europe, in Siberia known from the Urals eastward to East Siberia; in the mountains of South Siberia recorded in Altai Mts, Tuva and Sayan. Known also in Mongolia.

Semljicola thaleri (Eskov, 1981)

1992 *Latithorax thaleri*, Esyunin & Novokshenov, Trudy Zool. Inst. AN SSSR. Vol. 226, p. 116.

1996 *Latithorax thaleri*, Esyunin, Ekosistemy Srednego Priob'ya, 1, p. 72.

MATERIAL. 2 ♀♀, Yuganskiy Reserve, Nyogus'yakh River, cordon Bisarkina. Mosses and litter at forest lake shore: *Carex* spp., *Filipendula ulmaria*, Gramineae, *Equisetum* spp., ferns, *Plagiomnium* sp., *Climacium dendroides*, *Sphagnum squarrosum*, *Tomenthypnum* sp. etc., 26.X.1998, leg. A.R.; 1 ♀, Nyogus'yakh River, cordon Bisarkina. Parching rill near cordon: mosses and litter in rill-bed and by banks (*Carex* spp., *Equisetum sylvaticum*, *Sphagnum ?riparium*, *Sph. ?girgensohnii*, *Polytrichum commune*, *Filipendula ulmaria*, Gramineae, *Veratrum*, *Linnaea*, *Majanthemum*, *Trientalis*, *Tomenthypnum* sp., *Plagiomnium* sp. etc.), 31.X.1998, leg. A.R.; 1 ♂, 3 ♀♀, Nyogus'yakh River near Kogontchina-2 field research station. Mosses and peat under *Carex ?globularis* near small forest swamp on island in the middle of large high moor, 02.IX.2000, leg. A.R.; 4 ♀♀, Nyogus'yakh River near Petchpan'yakh River mouth. Mosses and litter under *Abies sibirica*, *Betula*, *Pinus sibirica*, *Sorbus sibirica* with *Hylocomium splendens*, *Pleurozium schreberi*, Gramineae, *Equisetum pratense*, *Eq. sylvaticum*, *Majanthemum bifolium*, *Trientalis europaea*, *Linnaea borealis*, *Vaccini-*

um vitis-idaea etc., in flood-plain forest on natural levee, 09.IX.2000, leg. A.R.

2 ♂♂, 1 ♀, Tomsk, *Abies* forest, in moss and litter, 15–16.VIII.1998, leg. A.T.

7 ♂♂, 11 ♀♀, Nefteyugansk, mixed forests: *Abies*, *Pinus sibirica*, *Picea*, *Betula* with *Equisetum*, *Vaccinium* spp., *Empetrum*, mosses, VIII.2001, leg. A.T.

1 ♂, Tyumen, VI.2000, leg. U.

DISTRIBUTION. Northeastern Europe; in Siberia known from the Urals to Cisokhotia, Kamchatka; from eastern Kazakhstan through the mountains of South Siberia via the Lake Baikal region eastward to the southern part of Khabarovsk Prov.

Silometopus elegans (Pickard-Cambridge, 1872)

MATERIAL. 1 ♂, Yuganskiy Reserve, Malyi Yugan River, cordon below Lyarykni River mouth, open swamp with tussocks of *Carex* spp. and *Calamagrostis* sp. with *Comarum palustre*, *Salix* sp., *Sphagnum squarrosum*, *Sph.* spp., *Aulacomnium* sp. etc., between sparse young *Betula*, 17.VIII.2003, leg. A.R.; 1 ♂, Malyi Yugan River, cordon below Lyarykni River mouth, open swamp with tussocks of *Carex* spp. and *Calamagrostis* sp. with *Comarum palustre*, *Salix* sp., *Sphagnum squarrosum*, *Sph.* spp., *Aulacomnium* sp. etc., between sparse young *Betula*, 22.VIII.2003, leg. A.R.

DISTRIBUTION. Widespread in Europe, known from the Caucasus; in Siberia: from the Urals eastward to Yenisey River. In South Siberia recorded in Tuva and Sayan. This is the first record in West Siberia.

Stemonyphantes conspersus (L.Koch, 1879)

1996 *Stemonyphantes conspersus*, Esyunin, Ekosistemy Srednego Priob'ya, 1, p. 71.

DISTRIBUTION. Siberia: from the Urals eastward to Yenisey River; from eastern Kazakhstan through the mountains of South Siberia eastward to the Lake Baikal region.

Stemonyphantes sibiricus (Grube, 1861)

MATERIAL. 1 ♀, Luginetsky, *Abies* & *Picea* forest, log, unger bark, 28.VIII.1998, leg. A.T.

DISTRIBUTION. West, Middle and East Siberia, Chukotka, Cisokhotia, Kamchatka, the Kurile Islands and Sakhalin; through the mountains of South Siberia via the Lake Baikal region eastward to the southern part of Khabarovsk Prov., Maritime Prov.; recorded in Mongolia. This is the first record in West Siberia.

Styloctetor romanus (O. Pickard-Cambridge, 1872)

1996 *Styloctetor romanus*, Esyunin, Ekosistemy Srednego Priob'ya, 1, p. 71, male only, revised by Esyunin, pers. comm.

DISTRIBUTION. Throughout the Palaearctic except for the southern Far East.

Styloctetor stativus (Simon, 1881)

1996 *Styloctetor romanus*, Esyunin, Ekosistemy Srednego Priob'ya, 1, p. 71, female only, revised by Esyunin, pers. comm.

MATERIAL. 2 ♂♂, Yuganskiy Reserve, Kol-Kotchen-Yagan River Basin (confluent of Malyi Yugan River), lake near cordon. Mosses and litter under *Pinus sylvestris*, *P. sibirica*, *Picea*

obovata in forest near cordon: *Ledum palustre*, *Chamaedaphne calyculata*, *Pleurozium schreberi*, *Hylocomium splendens*, *Dicranum* sp., *Polytrichum commune*, *Vaccinium vitis-idaea*, *V. myrtilus*, spots of *Sphagnum girgensohnii* and *Sph. russowii* et al., 25.IX.2001, leg. A.R.

1 ♂, Tyumen, VI.2000, leg. U.

DISTRIBUTION. Throughout the Palaearctic.

Tallusia experta (O. Pickard-Cambridge, 1871)

1996 *Centromerus expertus*, Esyunin, Ekosistemy Srednego Priob'ya, 1, p. 70.

MATERIAL. 1 ♀, Yuganskiy Reserve, Malyi Yugan River Basin, 3–5 km SW of cordon at Kol-Kotchen-Yagan River, near lake. Mosses and sparse spots of litter near shore of lake: *Sphagnum ?girgensohnii*, *Sph.* spp., *Comarum palustre*, Gramineae, *Carex ?globularis*, *Oxycoccus* sp., sparse young *Betula* and *Padus*, 23.IX.1999, leg. A.R.; 2 ♂♂, 1 ♀, Malyi Yugan River Basin, Kol-Kotchen-Yagan River, 1 km S of cordon. Mosses and litter on small sedge-mossy swamp near river bank: *Carex* spp., *Sphagnum ?girgensohnii*, *Sph. ?riparium*, *Plagiomnium* sp. et al., 24.IX.1999, leg. A.R.; 3 ♂♂, 4 ♀♀, Nyogus'yakh River near Kogontchina-2 field research station. Mosses and litter on swamp with *Pinus sylvestris*, *Betula*, *Ledum palustre*, *Andromeda polifolia*, *Chamaedaphne calyculata*, *Vaccinium uliginosum*, *Eriophorum* sp., *Oxycoccus palustris*, *Sphagnum fuscum*, *Sph. magellanicum*, *Sph. ?angustifolium*, *Sph.* spp., *Rubus chamaemorus* etc., 31.VIII.2000, leg. A.R.; 1 ♀, Nyogus'yakh River near Kogontchina-2 field research station. Rill banks from raised moss to confluence with Nyogus'yakh River: *Sph. ?angustifolium*, *Sph. magellanicum*, *Sphagnum ?russowii*, *Sph. girgensohnii*, *Sph. riparium*, *Carex globularis*, *C. acuta*, *C. sp.*, *Filipendula ulmaria*, *Plagiomnium* sp., *Marchantia* sp. etc., 04.IX.2000, leg. A.R.; 1 ♀, Nyogus'yakh River Basin near Petchpan'yakh River mouth, N shore of great lake. Mosses, litter, shaking off from grass: *Carex* spp., Gramineae, *Comarum palustre*, *Salix* sp., *Aulacomnium* sp., *Plagiomnium* sp. etc., 08.IX.2000, leg. A.R.; 2 ♀♀, Nyogus'yakh River Basin near Petchpan'yakh River mouth. Mosses and litter on large swamp: *Carex* spp., *Comarum palustre*, *Equisetum* sp., *Eriophorum* sp., Gramineae, *Rumex* sp., *Aulacomnium* sp., *Plagiomnium* sp., *Ptilium crista-castrensis*, *Sphagnum* sp., *Chamaenerium angustifolium*, sparse *Betula* & *Salix* sp., spots of dwarf birch on hummocks etc., 11.IX.2000, leg. A.R.; 2 ♀♀, Nyogus'yakh River Basin near Petchpan'yakh River mouth. Mosses and litter on large swamp: *Carex* spp., *Comarum palustre*, *Equisetum* sp., *Eriophorum* sp., Gramineae, *Rumex* sp., *Aulacomnium* sp., *Plagiomnium* sp., *Ptilium crista-castrensis*, *Sphagnum* sp., *Chamaenerium angustifolium*, *Betula* and *Salix* sp. etc., 13.IX.2000, leg. A.R.; 1 ♀, Nyogus'yakh River Basin near Petchpan'yakh River mouth. Mosses and litter on large open swamp: *Sphagnum ?angustifolium*, *Sph. ?girgensohnii*, *Sph. ?russowii*, *Sph.* sp., dwarf birch, *Oxycoccus* spp., Gramineae, *Carex* spp., *Comarum palustre*, *Equisetum* sp., *Aulacomnium* sp., *Plagiomnium* sp., *Ptilium crista-castrensis* etc., 24.IX.2000, leg. A.R.; 3 ♀♀, Vuya-Yany River Basin near Ay-Vuya-Yany River mouth (2 km E of cordon). In mosses along rill banks: *Sphagnum girgensohnii*, *Sph. squarrosum*, *Sph.* spp., *Marchantia* sp., *Equisetum sylvaticum*, *Carex* spp., *Calamagrostis* sp., *Polytrichum commune* etc., 21.VIII.2000, leg. A.R.; 1 ♂, 1 ♀, Vuya-Yany River near Ay-Vuya-Yany River mouth. Mosses and litter on swamp: *Pinus sylvestris*, *Ledum palustre*, *Andromeda polifolia*, *Chamaedaphne calyculata*, *Oxycoccus* spp., *Sphagnum magellanicum*, *Sph. ?angustifolium*, *Eriophorum* sp. etc., 27.VIII.2000, leg. A.R.; 2 ♀♀, Bolshoy Yugan River, 6–7 km below Sugmuten'yakh River mouth. Mosses and litter between sedges and Gramineae on swamped winter road with *Carex* spp., *Calamagrostis* sp., *Sphagnum girgensohnii*, *Sph.* spp. etc., 20.VIII.2001, leg. A.R.; 1 ♀, Bolshoy Yugan River, 6–7 km below Sugmuten'yakh River mouth. Mosses and litter between sedges and Gramineae on swamped winter road with *Carex* spp., *Calamagrostis* sp., *Sphagnum girgensohnii*, *Sph.* spp. etc., and on the plot without *Sphagnum* spp., 21.VIII.2001, leg.

A.R.; 1 ♂, 2 ♀♀, near S border of buffer area of Yuganskiy Reserve, Kolylnor Lake. Lake shore: *Carex* spp., Gramineae, *Sphagnum girgensobnii*, *Sph. squarrosum*, *Sph.* spp. sparse *Betula*, *Salix* sp. etc., 04.IX.2001, leg. A.R.; 2 ♂♂, near S border of buffer area of Yuganskiy Reserve, Kolylnor Lake. Mosses and litter by lake shore: *Carex* spp., Gramineae, *Sphagnum girgensobnii*, *Sph. squarrosum*, *Sph.* spp. sparse *Betula*, *Salix* sp. etc., 05.IX.2001, leg. A.R.; 3 ♀♀, Ay-Magromsy River Basin, Medvezhyi Ugol cordon, mosses and litter at swamp border: *Carex rostrata*, *Sphagnum girgensobnii*, *Sph.* spp. etc., among sparse young birches, 11.IX.2002, leg. A.R.; 2 ♂♂, 1 ♀, Ay-Magromsy River Basin, Medvezhyi Ugol cordon, mosses and litter at rill bank and on flood-plain of rill: *Calamagrostis* sp., *Ribes* spp., *Rosa* sp., *Filipendula ulmaria*, *Matteuccia struthiopteris*, *Equisetum sylvaticum*, *Sphagnum squarrosum*, *Sph. girgensobnii*, *Sph.* spp., *Plagiomnium* sp. etc., 20.IX.2002, leg. A.R.; 2 ♀♀, Ay-Magromsy River Basin, Medvezhyi Ugol cordon, mosses and litter in tussocks of *Carex* sp. with *Sphagnum squarrosum*, *Sph. centrale*, *Sph. girgensobnii*, *Sph. ?russowii*, *Plagiomnium* sp. etc., and also sweeping on *Carex rhynchophysa* among swampy birch forest at SW border of the reserve, 21.IX.2002, leg. A.R.; 1 ♂, Ay-Magromsy River Basin, Medvezhyi Ugol cordon, mosses on sedge-mossy swamp: *Carex rostrata*, *C.* spp., *Sphagnum ?angustifolium*, *Sph. girgensobnii*, *Sph.* sp., *Oxycoccus* spp. (+8C?), 26.IX.2002, leg. A.R.; 2 ♂♂, 2 ♀♀, Ay-Magromsy River Basin, Medvezhyi Ugol cordon, mosses and litter near rill: *Plagiomnium* sp., *Sphagnum squarrosum*, *Sph. centrale*, *Sph. girgensobnii*, *Sph. warnstorffii*, *Calamagrostis* sp., *Carex* sp. among sparse *Salix* sp. and birches, (+3C?), 28.IX.2002, leg. A.R.; 1 ♀, Ay-Magromsy River Basin, Medvezhyi Ugol cordon, mosses and litter at southern border of sedge-mossy swamp: *Carex rostrata*, *C.* spp., *Comarum palustre*, *Equisetum* spp., *Sphagnum girgensobnii*, *Sph.* spp., *Plagiomnium* sp., *Aulacomnium* sp., *Calamagrostis* sp., *Mentyanthes trifoliata* etc., among sparse young birches, 04.X.2002, leg. A.R.; 2 ♀♀, Ay-Magromsy River Basin, 3 km N of Medvezhyi Ugol cordon, mosses and litter in hummocky with *Carex* sp., *Filipendula ulmaria*, *Comarum palustre*, *Plagiomnium* sp., *Climacium dendroides*, *Sphagnum russowii*, *Sph.* spp. etc., on flood-plain of rill, 03.X.2002, leg. A.R.

1 ♂, Tobolsk Field Research Station, mosses and litter and in sweeping on small swamp with *Carex* spp., Poaceae, *Sphagnum girgensobnii*, *Sph. squarrosum*, *Sph. ?riparium*, *Sph. ?balticum*, *Sph. centrale* etc., 20.IX.2003, leg. A.R.

DISTRIBUTION. Europe, the Caucasus, Middle Asia. In Siberia known from the Urals eastward to Yenisey River. Registered also in Sakhalin and Japan.

Tapinocyba insecta (L. Koch, 1869)

MATERIAL. 3 ♀♀, Tobolsk Field Research Station, mosses and litter under *Betula*, *Pinus sibirica*, *Abies*, *Abies* with *Carex globularis*, *Oxalis acetosella*, *Linnaea borealis*, *Delphinium* sp., *Maianthemum bifolium*, *Pyrola* sp., *Rubus saxatilis*, sparse *Pleurozium schreberi* etc., on gentle slope near Varpak River, 22.IX.2003, leg. A.R.; 2 ♀♀, Tyumen Area, Ulvatskiy District, 10 km S of Gornoslinskino, Tobolsk Field Research Station, mosses and litter under *Pinus sylvestris*, *P. sibirica*, *Picea*, young *Abies* with *Ledum palustre*, *Vaccinium vitis-idaea*, *V. myrtillus*, Poaceae, *Carex globularis*, *Linnaea borealis*, *Pleurozium schreberi*, *Hylocomium splendens*, *Dicranum polysetum* etc., on upper part of slope, 02.X.2003, leg. A.R.; 2 ♂♂, 6 ♀♀, Tobolsk Field Research Station, in litter under *Pinus sibirica*, *Picea*, *Betula*, *Abies*, *Tilia*, *Populus tremula* with *Lonicera* sp., *Carex globularis*, *Oxalis acetosella*, *Pyrola* sp., *Delphinium* sp., *Lathyrus* sp., *Equisetum sylvaticum* etc., on slope, 20.IX.2003, leg. A.R.; 1 ♂, Tobolsk Field Research Station, mosses and litter in forest with *Abies*, *Picea*, *Betula*, *Carex globularis*, *Calamagrostis* sp., *Equisetum sylvaticum*, *Pyrola* sp., *Maianthemum bifolium*, *Linnaea borealis*, *Oxalis acetosella*, *Solidago* sp., *Lathyrus* sp., *Lonicera* sp., *Hylocomium splendens*, *Pleurozium schreberi*, *Dicranum polysetum* etc., 13.IX.2003, leg. A.R.; 1 ♂, 1 ♀, Tobolsk Field Research Station, mosses and litter under *Betula* with *Carex globularis*, *Pleuro-*

zium schreberi, *Linnaea borealis*, *Pyrola* sp., *Rubus idaeus* etc., on gentle slope near crest of Spartakovskaya Mt. 25.IX.2003, leg. A.R.; 2 ♂♂, 4 ♀♀, Tobolsk Field Research Station, in mosses and litter under *Betula*, *Picea*, *Abies* with *Pyrola* sp., *Carex globularis*, Poaceae, *Equisetum sylvaticum*, *Linnaea borealis*, *Pleurozium schreberi*, *Dicranum polysetum*, *Oxalis acetosella*, *Galium* sp., *Aegopodium podagraria*, *Rubus idaeus*, *R. saxatilis* etc., on slope (from foot to top), 28.IX.2003, leg. A.R.

DISTRIBUTION. Widespread in Europe, known in the Urals and West Siberia. This is the first record in West Siberia.

Tapinocyba pallens (O. Pickard-Cambridge, 1872)

1996 *Tapinocyba pallens*, Esyunin, Ekosistemy Srednego Priob'ya, 1, p. 73.

MATERIAL. 12 ♂♂, 23 ♀♀, Noyabrskiy, dry *Pinus* forest, *Ledum*, *Vaccinium vitis-idaea*, *V. uliginosum*, *Empetrum*, moss & lichen (*Cladonia* & *Cetraria*), 20.VIII.2000, leg. A.T.

DISTRIBUTION. Europe, the Caucasus, West Siberia.

Tenuiphantes alacris (Blackwall, 1853)

MATERIAL. 1 ♀, Surgutskiy Refuge, Ob' River Basin, Materikovyi Pasl Channel. Moss and litter in forest at high river bank with *Abies*, *Picea*, *Populus tremula*, young *Pinus sibirica*, *Hylocomium splendens*, *Pleurozium schreberi*, *Polytrichum commune*, *Maianthemum bifolium*, *Vaccinium vitis-idaea*, *Lycopodium* sp., *Diphasiastrum* sp., *Equisetum sylvaticum*, *Linnaea borealis* etc., 05.VIII.2000, leg. A.R.; 2 ♀♀, Ob' River Basin, Materikovyi Pasl Channel. Mosses and litter on bog near glade: tussocks with *Carex ?globularis*, *Sphagnum ?girgensobnii*, *Sph.* spp., *Linnaea borealis*, *Equisetum sylvaticum*, *Vaccinium vitis-idaea*, *Ledum palustre*, 06.VIII.2000, leg. A.R.; 1 ♀, Ob' River Basin, Materikovyi Pasl Channel. Mosses and litter under *Pinus sibirica* and *Picea obovata* with *Hylocomium splendens*, *Pleurozium schreberi*, *Linnaea*, *Vaccinium vitis-idaea*, *V. myrtillus*, *Polytrichum commune*, *Maianthemum bifolium*, *Trientalis europaea*, *Lycopodium* sp., *Diphasiastrum* sp., *Equisetum sylvaticum*, *E. ?pratense* etc., 12.VIII.2000, leg. A.R.

1 ♀, Yuganskiy Reserve, Nyogus'yakh River, cordon Bisarkina. Mosses and litter on slope near parched rill about cordon: *Abies*, *Picea*, *Betula*, *Sorbus*, *Hylocomium splendens*, *Pleurozium schreberi*, *Ptilium*, *Maianthemum*, *Trientalis*, *Linnaea*, *Equisetum sylvaticum*, *Polytrichum commune*, *Oxalis* etc., 31.X.1998, leg. A.R.; 1 ♀, right confluent of Bolshoy Yugan River, 3 km SW of cordon Kamennyi. Steep loamy river bank: *Carex* spp., Gramineae, sparse *Filipendula ulmaria*, *Vicia* sp., *Veronica ?longifolia* etc., 21.VIII.1999, leg. A.R.; 1 ♂, 1 ♀, Malyy Yugan River Basin, 3–5 km SW of cordon at Kol-Kotchen-Yugan River, near lake. Moss and litter under *Pinus sibirica*, *P. sylvestris*, young *Abies* with *Hylocomium splendens*, *Pleurozium schreberi*, *Dicranum* sp., *Vaccinium myrtillus*, *V. vitis-idaea*, *Linnaea borealis*, sparse *Ledum* on low knoll, 09.IX.1999, leg. A.R.; 4 ♀♀, Vuya-Yany River Basin near Ay-Vuya-Yany River mouth (2 km E of cordon). Mosses and litter under *Picea obovata*, *Pinus sibirica*, *P. sylvestris*, *Betula* on flood-plain of rill with *Pleurozium schreberi*, *Hylocomium splendens*, *Sphagnum girgensobnii*, *Polytrichum commune*, *Equisetum sylvaticum*, *Carex ?globularis*, *Linnaea borealis*, *Vaccinium vitis-idaea*, *Oxalis acetosella* etc., 21.VIII.2000, leg. A.R.; 1 ♂, 2 ♀♀, Nyogus'yakh River near Kogontchina-2 field research station. Mosses and litter under *Betula*, *Abies sibirica*, *Picea obovata*, *Pinus sibirica* with *Hylocomium splendens*, *Linnaea borealis*, *Oxalis acetosella*, *Maianthemum bifolium*, *Pyrola* sp., *Trientalis europaea*, *Equisetum pratense*, *Eg. sylvaticum* etc., on 1st fluvial terrace above flood-plain, 29.VIII.2000, leg. A.R.; 3 ♂♂, 2 ♀♀, near S border of buffer area of Yuganskiy Reserve, Kolylnor Lake. Lake shore: *Carex* spp., Gramineae, *Sphagnum* spp. etc., 29.VIII.2001, leg. A.R.; 5 ♂♂, Ay-Magromsy River Basin, Medvezhyi Ugol cordon, mosses and litter under *Pinus sylvestris*, *P.*

sibirica, *Picea obovata*, *Betula* with *Vaccinium vitis-idaea*, *V. myrtillosum*, *Pleurozium schreberi*, *Hylocomium splendens*, *Dicranum polysetum*, *Sphagnum ?warnstorffii*, *Linnaea borealis*, *Equisetum sylvaticum* etc., under aspen trunk, and under mosses, lichens, bark scales on bases of pine trees, 18.IX.2002, leg. A.R.; 2 ♀♀, Ay-Magromsy River Basin, Medvezhyi Ugol cordon, mosses and litter among *Abies*, *Picea* and *Betula* on gentle slope near SW edge of sedge-mossy swamp: *Ledum palustre*, *Vaccinium vitis-idaea*, *Hylocomium splendens*, *Pleurozium schreberi*, *Polytrichum commune*, *Sphagnum ?russowii*, *Sph.* spp. etc., (+3C?), 28.IX.2002, leg. A.R.; 1 ♀, Ay-Magromsy River Basin, Medvezhyi Ugol cordon, mosses and litter in flood-plain afforested sedge hummocky and on flood-plain of rill with *Filipendula ulmaria*, *Ribes* spp., *Comarum palustre*, *Equisetum sylvaticum*, *Plagiommium* sp., *Climacium dendroides*, *Carex* sp., *Calamagrostis* sp., *Sphagnum squarrosum*, *Sph.* spp. etc., (+4C?), 01.X.2002, leg. A.R.; 2 ♀♀, Malyi Yugan River, near cordon below Lyarykni River mouth, mosses and litter in forest near river bank: *Pleurozium schreberi*, *Hylocomium splendens*, *Dicranum polysetum*, sparse *Polytrichum commune*, spots of *Sphagnum girgensohnii*, *Linnaea borealis*, *Vaccinium vitis-idaea*, *Equisetum sylvaticum*, *Majanthemum bifolium*, *Carex globularis*, *Rubus saxatilis*, *Trientalis europaea*, *Poaceae*, *Oxalis acetosella* etc., under *Pinus sibirica*, *P. sylvestris*, *Abies*, *Picea*, *Betula*, *Populus tremula*, 18.VIII.2003, leg. A.R.

2 ♀♀, Tobolsk Field Research Station, in litter under *Pinus sibirica*, *Picea*, *Betula*, *Abies*, *Tilia*, *Populus tremula* with *Lonicera* sp., *Carex globularis*, *Oxalis acetosella*, *Pyrola* sp., *Delphinium* sp., *Lathyrus* sp., *Equisetum sylvaticum* etc., on slope, 20.IX.2003, leg. A.R.

1 ♀, Luginetsky, *Picea* & *Betula* forest, in moss, 28.VIII.1998, leg. A.T.; 6 ♂♂, 11 ♀♀, *Abies*, *Picea* & *Betula* forest, in grass, 26.VIII.1998, leg. A.T.; 4 ♂♂, swampy spruce (*Picea*) forest, in moss, 25.VIII.1998, leg. A.T.; 1 ♂, 2 ♀♀, *Picea*, *Abies* & *Betula* forest, in moss, 26.VIII.1998, leg. A.T.

2 ♀♀, Samotlor, *Populus* forest, under *Ledum*, in moss, Aug. 1999, A.T. leg.; 1 ♂, *Populus* & *Pinus* forest, in moss, Aug. 1999, leg. A.T.

1 ♀, Noyabrsky, *Picea* wood, moss & lichen, 16.VIII.2000, leg. A.T.

1 ♀, Tyumen, VI.2000, leg. U.

DISTRIBUTION. Widespread in Europe; in Siberia known from the Urals to Cisokhotia, Kamchatka; through the mountains of South Siberia via the Lake Baikal region eastward to the southern part of Khabarovsk Prov., Maritime Prov.; known also in Sakhalin. This is the first record in West Siberia.

Tenuiphantes cristatus (Menge, 1866)

1996 *Lepthyphantes cristatus*, Esysunin, Ekosistemy Srednego Priob'ya, 1, p. 70.

MATERIAL. 1 ♀, Surgutskiy Refuge, Ob' River Basin, Materikovyi Pasl Channel, 2 km S of cordon. Mosses and litter on swamp with *Sphagnum* spp., *Carex* spp., *Eriophorum* sp., *Ledum*, *Betula ?rotundifolia*, *Aulacomnium* sp., *Hypnum* sp., *Polytrichum* sp., sparse *Pinus sylvestris*, *Betula* sp., *Populus tremula* etc., 09.VIII.2000, leg. A.R.

1 ♀, Yuganskiy Reserve, Nyogus'yakh River, cordon Bisarkina. Parching rill near cordon: mosses and litter in rill-bed and by banks (*Abies*, *Picea*, *Salix*, *Padus*, *Betula*, *Populus tremula*, *Linnaea*, *Trientalis*, *Oxalis*, *Polytrichum commune*, *Carex* spp., *Equisetum sylvaticum*, *Sphagnum ?riparium*, *Sph.* ?*girgensohnii* etc.), 22.X.1998, leg. A.R.; 1 ♀, Vuya-Yany River Basin near Ay-Vuya-Yany River mouth (2 km E of cordon). Mosses and litter under *Picea obovata*, *Pinus sibirica*, *P. sylvestris*, *Betula* on flood-plain of rill with *Pleurozium schreberi*, *Hylocomium splendens*, *Sphagnum girgensohnii*, *Polytrichum commune*, *Equisetum sylvaticum*, *Carex ?globularis*, *Linnaea borealis*, *Vaccinium vitis-idaea*, *Oxalis acetosella* etc., 21.VIII.2000, leg. A.R.; 2 ♀♀, Nyogus'yakh River near Kogontchina-2 field research station. Clayish river bank *Carex* spp., *Equisetum* sp., *Gramineae*, *Mertha* sp. etc.,

(shaking off sedges and Gramineae), 07.IX.2000, leg. A.R.; 1 ♀, Bolshoy Yugan River near Kamennyi cordon, swamped birch forest with *Sphagnum* spp., *Carex* sp., *Gramineae*, *Ledum palustre* etc., 15.VIII.2002, leg. A.R.; 1 ♀, Ay-Magromsy River Basin, Medvezhyi Ugol cordon, mosses and litter at rill bank and on flood-plain of rill: *Calamagrostis* sp., *Ribes* spp., *Rosa* sp., *Filipendula ulmaria*, *Matteuccia struthiopteris*, *Equisetum sylvaticum*, *Sphagnum squarrosum*, *Sph.* *girgensohnii*, *Sph.* spp., *Plagiommium* sp. etc., 20.IX.2002, leg. A.R.

1 ♂, Tobolsk Field Research Station, mosses and litter under *Betula*, *Pinus sibirica*, *Abies* with *Carex globularis*, *Linnaea borealis*, *Maianthemum bifolium*, *Vaccinium vitis-idaea*, *V. myrtillosum*, *Equisetum sylvaticum*, *Hylocomium splendens*, *Pleurozium schreberi*, *Dicranum polysetum*, *Sphagnum girgensohnii*, *Sph.* *russowii*, *Sph.* *warnstorffii*, *Lycopodium* sp., *Diplazium sibiricum*, *Oxalis acetosella*, *Rubus idaeus*, *R. saxatilis* etc., 24.IX.2003, leg. A.R.; 1 ♀, mosses and litter in swampy birch forest with *Pinus sylvestris*, *Ledum palustre*, *Vaccinium uliginosum*, *Carex globularis*, *Sphagnum girgensohnii*, *Sph.* ?*russowii*, *Sph.* spp., *Polytrichum commune*, *P. strictum*, *Pleurozium schreberi*, ?*Aulacomnium* sp., *Climacium dendroides* etc., 30.IX.2003, leg. A.R.

3 ♂♂, 8 ♀♀, Luginetsky, *Abies*, *Picea*, *Betula* forest, in moss, 21–28.VIII.1998, leg. A.T.; 1 ♀, *Picea*, *Abies* & *Betula* forest, in moss, 26.VIII.1998, leg. A.T.

1 ♂, Tyumen, VI.2000, leg. U.

DISTRIBUTION. Widespread in Europe, in Siberia known from the Urals eastward to Yenisey River.

Tenuiphantes menzei (Kulczynski, 1887)

MATERIAL. 2 ♀♀, Surgutskiy Refuge, Ob' River Basin, Materikovyi Pasl Channel. Moss and litter in forest at high river bank with *Abies*, *Picea*, *Populus tremula*, young *Pinus sibirica*, *Hylocomium splendens*, *Pleurozium schreberi*, *Polytrichum commune*, *Majanthemum bifolium*, *Vaccinium vitis-idaea*, *Lycopodium* sp., *Diphasiastrum* sp., *Equisetum sylvaticum*, *Linnaea borealis* etc., 05.VIII.2000, leg. A.R.; 1 ♀, Ob' River Basin, Materikovyi Pasl Channel, 2 km S of cordon. Mosses and litter in forest with *Pinus sibirica*, *Populus tremula*, *Picea obovata*, *Pinus sylvestris*, *Sorbus sibirica*, *Hylocomium splendens*, *Pleurozium schreberi*, *Dicranum* sp., *Polytrichum commune*, *Lycopodium* sp., *Diphasiastrum* sp., *Diplazium sibiricum*, *Vaccinium vitis-idaea*, *V. myrtillosum*, *Majanthemum bifolium*, *Trientalis europaea*, *Equisetum sylvaticum*, *Ledum palustre* etc., 09.VIII.2000, leg. A.R.

1 ♀, 10–11 km S of Gornoslinskino, steep right bank of Irtysh River up-stream of Tobolsk Field Research Station, small mosses and litter among *Tussilago farfara* on clay and loam, 03.X.2003, leg. A.R.

1 ♂, 2 ♀♀, Luginetsky, *Abies*, *Picea*, *Betula* forest, in moss, VIII.1998, leg. A.T.; 1 ♀, *Picea* & *Betula* forest, in moss, 21.VIII.1998, leg. A.T.

1 ♂, 2 ♀♀, Samotlor, *Betula* forest, glade, in grass, Aug. 1999, leg. A.T.

1 ♂, 3 ♀♀, Tyumen, VI.2000, leg. U.

DISTRIBUTION. Throughout the Palaearctic. This is the first record in West Siberia.

Tenuiphantes nigriventris (L.Koch, 1879)

1996 *Lepthyphantes nigriventris*, Esysunin, Ekosistemy Srednego Priob'ya, 1, p. 70.

MATERIAL. 2 ♂♂, 2 ♀♀, Yuganskiy Reserve, Nyogus'yakh River, cordon Bisarkina. Mosses and litter on slope (from rill-bed to crest) near cordon: *Abies*, *Picea*, *Pinus sibirica*, *Betula*, *Populus tremula*, *Sorbus*, *Vaccinium vitis-idaea*, *V. myrtillosum*, *Equisetum sylvaticum*, *Pleurozium schreberi*, *Hylocomium splendens*, *Maianthemum*, *Trientalis*, *Carex ?globularis*, *graminoides* etc., 22.X.1998, leg. A.R.; 2 ♀♀, Nyogus'yakh River, cordon Bisarkina. Parching rill near cordon: mosses and litter in rill-bed and by banks (*Carex* spp., *Equisetum sylvaticum*, *Sphagnum ?riparium*,

Sph. ?girgensohnii, *Polytrichum commune*, *Filipendula ulmaria*, Gramineae, *Veratrum*, *Linnaea*, *Maianthemum*, *Trientalis*, *Tomenthyppnum* sp., *Plagiomnium* sp. etc.), 31.X.1998, leg. A.R.

Ca. 200 ♂♂ & ♀♀, Tomsk, *Abies* forest, in grass, litter and moss, 15–16.VIII.1998, leg. A.T.

Ca. 30 ♂♂ & ♀♀, Nefteyugansk, mixed forests: *Abies*, *Pinus sibirica*, *Picea*, *Betula* with *Equisetum*, *Vaccinium* spp., *Empetrum*, mosses, VIII.2001, leg. A.T.

DISTRIBUTION. Northern Europe; in Siberia distributed from the Urals to Cisokhotia, Kamchatka, Commander Islands, Kurile Islands and Sakhalin; from eastern Kazakhstan through the mountains of South Siberia via the Lake Baikal region eastward to Khabarovsk Prov., Maritime Prov. Registered also in China and Japan. In the Nearctic wide-spread over northern Canada.

Tenuiphantes tenebricola (Wider, 1834)

1996 *Lephyphantes tenebricola*, Esyunin, Ekosistemy Srednego Priob'ya, 1, p. 71.

MATERIAL. 1 ♀, Tobolsk Field Research Station, mosses and litter in forest with *Abies*, *Picea*, *Betula*, *Carex globularis*, *Calamagrostis* sp., *Equisetum sylvaticum*, *Pyrola* sp., *Maianthemum bifolium*, *Linnaea borealis*, *Oxalis acetosella*, *Solidago* sp., *Lathyrus* sp., *Lonicera* sp., *Hylocomium splendens*, *Pleurozium schreberi*, *Dicranum polysetum* etc., 13.IX.2003, leg. A.R.; 1 ♀, mosses and litter under *Betula* with *Equisetum sylvaticum*, *Pyrola* sp., *Lathyrus* sp. etc., on gentle slope near crest of Spartakovskaya Mt., 06.VI.2004, leg. A.R.

4 ♂♂, 9 ♀♀, Tomsk, *Abies* forest, in moss and litter, 15–16.VIII.1998, leg. A.T.

1 ♀, Tyumen Area, Nefteyugansk, mixed forests: *Abies*, *Pinus sibirica*, *Picea*, *Betula* with *Equisetum*, *Vaccinium* spp., *Empetrum*, mosses, VIII.2001, leg. A.T.

2 ♀♀, Tyumen, VI.2000, leg. U.

DISTRIBUTION. Widespread in Europe, known from the Urals and West Siberia. This is the first record in West Siberia.

Thyreosthenius parasiticus (Westring, 1851)

MATERIAL. 1 ♀, near S border of buffer area of Yuganskiy Reserve, Kolylnor Lake. Mosses and litter under *Pinus sylvestris*, *Betula*, *Pinus sibirica* with *Pleurozium schreberi*, *Ledum palustre* etc., between hummocks of *Sphagnum* spp. near the lake. 05.IX.2001, leg. A.R.

DISTRIBUTION. Northern Europe, the Caucasus; in Siberia known from the Urals eastward to Kamchatka, the Kurile Islands and Sakhalin. In the mountains of South Siberia recorded in Altai Mts. Known also in Mongolia. In the Nearctic from Ontario eastward to Newfoundland and from Washington State to Connecticut. This is the first record in West Siberia.

Thyreosthenius biovatus (O. Pickard-Cambridge, 1875)

1996 *Thyreosthenius biovatus*, Esyunin, Ekosistemy Srednego Priob'ya, 1, p. 73.

DISTRIBUTION. Northern Europe, in Siberia known from the Urals eastward to East Siberia, Cisokhotia. In the mountains of South Siberia registered from Altai Mts and Tuva.

Tibioplodes arcuatus (Tullgren, 1955)

1996 *Tibioplodes arcuatus*, Esyunin, Ekosistemy Srednego Priob'ya, 1, p. 71.

MATERIAL. 1 ♂, Yuganskiy Reserve, Nyogus'yakh River, cordon Bisarkina. Mosses and litter in flood-plane forest and at natural levee with *Abies*, *Picea*, *Pinus sibirica*, *Betula*, *Oxalis*, *Equisetum sylvaticum*, *Eq. pratense*, *Maianthemum*, *Trientalis*, *Linnaea*, *Hylocomium splendens*, *Pleurozium schreberi*, placely *Sphagnum* sp. (*girgensohnii* or *russowii*) etc., 24.X.1998, leg. A.R.

1 ♂, Tyumen, VI.2000, leg. U.

DISTRIBUTION. Fennoscandia; in Siberia known from the Urals eastward to East Siberia, the Kurile Islands and Sakhalin; through the mountains of South Siberia via the Lake Baikal region eastward to Khabarovsk and Maritime provinces.

Tibioplus diversus (L. Koch, 1879)

1996 *Tibioplus diversus*, Esyunin, Ekosistemy Srednego Priob'ya, 1, p. 71.

MATERIAL. 1 ♀, Surgutskiy Refuge, Ob' River Basin, Materikovyi Pasi Channel. Litter between Gramineae and *Equisetum* spp. under bushes and young *Populus tremula* at small river bank, 05.VIII.2000, leg. A.R.; 4 ♀♀, Ob' River Basin, Materikovyi Pasi Channel. Moss and litter in forest with *Abies*, *Picea*, *Populus tremula*, *Betula*, young *Pinus sibirica*, *Pleurozium schreberi*, *Hylocomium splendens*, *Dicranum* sp., *Polytrichum commune*, *Equisetum sylvaticum*, *Linnaea borealis*, *Oxalis acetosella*, *Trientalis europaea* etc., 07.VIII.2000, leg. A.R.; 2 ♀♀, Ob' River Basin, Materikovyi Pasi Channel, 2 km S of cordon. Mosses and litter in forest with *Pinus sibirica*, *Populus tremula*, *Picea obovata*, *Pinus sylvestris*, *Sorbus sibirica*, *Hylocomium splendens*, *Pleurozium schreberi*, *Dicranum* sp., *Polytrichum commune*, *Lycopodium* sp., *Diphasiastrum* sp., *Diplazium sibiricum*, *Vaccinium vitis-idaea*, *V. myrtillus*, *Majanthemum bifolium*, *Trientalis europaea*, *Equisetum sylvaticum*, *Ledum palustre* etc., 09.VIII.2000, leg. A.R.; 3 ♂♂, 2 ♀♀, Ob' River Basin, Materikovyi Pasi Channel. Mosses and litter under *Pinus sibirica* and *Picea obovata* with *Hylocomium splendens*, *Pleurozium schreberi*, *Linnaea*, *Vaccinium vitis-idaea*, *V. myrtillus*, *Polytrichum commune*, *Majanthemum bifolium*, *Trientalis europaea*, *Lycopodium* sp., *Diphasiastrum* sp., *Equisetum sylvaticum*, *E. ?pratense* etc., 12.VIII.2000, leg. A.R.

1 ♀, Yuganskiy Reserve, Nyogus'yakh River, cordon Bisarkina. Mosses and litter on slope (from rill-bed to crest) near cordon: *Abies*, *Picea*, *Pinus sibirica*, *Betula*, *Populus tremula*, *Sorbus*, *Vaccinium vitis-idaea*, *V. myrtillus*, *Equisetum sylvaticum*, *Pleurozium schreberi*, *Hylocomium splendens*, *Maianthemum*, *Trientalis*, *Carex ?globularis*, graminoids etc., 22.X.1998, leg. A.R.; 2, Malyy Yugan River Basin, 3–5 km SW of cordon at Kol-Kotchen-Yagun River, near lake. Moss and litter under *Pinus sibirica*, *P. sylvestris*, young *Abies* with *Hylocomium splendens*, *Pleurozium schreberi*, *Dicranum* sp., *Vaccinium myrtillus*, *V. vitis-idaea*, *Linnaea borealis*, sparse *Ledum* on low knoll, 09.IX.1999, leg. A.R.; 1 ♂, 1 ♀, Malyy Yugan River Basin, 3–5 km SW of cordon at Kol-Kotchen-Yagun River, Moss and litter under *Picea* and *Abies* with *Hylocomium splendens*, *Pleurozium schreberi*, *Polytrichum commune*, *Linnaea borealis*, sparse *Equisetum sylvaticum*, *Maianthemum bifolium*, *Trientalis europaea*, *Vaccinium vitis-idaea*, 12.IX.1999, leg. A.R.; 1 ♀, Kol-Kotchen-Yagun River (confluent of Malyy Yugan River) E of cordon. Loamy river bank with *Carex* spp., Gramineae, *Equisetum* spp., small *Rosa* sp. & *Salix* sp. etc., 16.IX.2001, leg. A.R.; 1 ♀, Kol-Kotchen-Yagun River Basin (confluent of Malyy Yugan River), lake near cordon. Mosses and litter under *Pinus sylvestris*, *P. sibirica* and elfin wood of *Abies sibirica* with *Vaccinium vitis-idaea*, *V. myrtillus*, *Linnaea borealis*, *Pleurozium schreberi*, *Hylocomium splendens*, *Dicranum* sp., *Lycopodium* sp., sparse *Ledum palustre* et al., in forest on hill crest NW of lake, 01.X.2001, leg. A.R.; 2 ♀♀, right riverside of Bolshoy Yugan River near Kamennyi cordon. Mosses and litter in pine forest with *Cladonia* spp., *Vaccinium vitis-idaea*, *Pleurozium schreberi*, *Dicranum ?polysetum*, sparse *Ledum palustre* etc., 18.VIII.2002, leg. A.R.; 1 ♂, Ay-Magromsy River Basin, Medvezhyi Ugol cordon, mosses and

litter under *Pinus sylvestris*, *P. sibirica*, *Picea obovata*, *Betula* with *Vaccinium vitis-idaea*, *V. myrtillus*, *Pleurozium schreberi*, *Hylocomium splendens*, *Dicranum polysetum*, *Sphagnum ?warnstorffii*, *Linnaea borealis*, *Equisetum sylvaticum* etc., under aspen trunk, and under mosses, lichens, bark scales on bases of pine trees, 18.IX.2002, leg. A.R.; 1 ♂, 3 ♀♀, Ay-Magromsy River Basin, Medvezhyi Ugol cordon, mosses and litter under *Pinus sylvestris*, *Picea obovata*, *Pinus sibirica* with *Ledum palustre*, *Vaccinium vitis-idaea*, *Linnaea borealis*, *Pleurozium schreberi*, *Dicranum polysetum*, (+4C?), 29.IX.2002, leg. A.R.

1 ♂, 3 ♀♀, Tobolsk Field Research Station, mosses and litter under *Betula*, *Pinus sibirica*, *Alnus*, *Abies* with *Carex globularis*, *Oxalis acetosella*, *Linnaea borealis*, *Delphinium* sp., *Maianthemum bifolium*, *Pyrola* sp., *Rubus saxatilis*, sparse *Pleurozium schreberi* etc., on gentle slope near Varpak River, 22.IX.2003, leg. A.R.; 2 ♂♂, 4 ♀♀, mosses and litter under *Pinus sylvestris*, *P. sibirica*, *Picea*, young *Abies* with *Ledum palustre*, *Vaccinium vitis-idaea*, *V. myrtillus*, *Poaceae*, *Carex globularis*, *Linnaea borealis*, *Pleurozium schreberi*, *Hylocomium splendens*, *Dicranum polysetum* etc., on upper part of slope, 02.X.2003, leg. A.R.; 4 ♀♀, Tobolsk Field Research Station, in litter under *Pinus sibirica*, *Picea*, *Betula*, *Abies*, *Tilia*, *Populus tremula* with *Lonicera* sp., *Carex globularis*, *Oxalis acetosella*, *Pyrola* sp., *Delphinium* sp., *Lathyrus* sp., *Equisetum sylvaticum* etc., on slope, 20.IX.2003, leg. A.R.; 1 ♂, mosses and litter under *Betula*, *Pinus sibirica*, *Abies* with *Carex globularis*, *Linnaea borealis*, *Maianthemum bifolium*, *Vaccinium vitis-idaea*, *V. myrtillus*, *Equisetum sylvaticum*, *Hylocomium splendens*, *Pleurozium schreberi*, *Dicranum polysetum*, *Sphagnum girgensohnii*, *Sph. russowii*, *Sph. warnstorffii*, *Lycopodium* sp., *Diplazium sibiricum*, *Oxalis acetosella*, *Rubus idaeus*, *R. saxatilis* etc., 24.IX.2003, leg. A.R.

1 ♂, 2 ♀♀, Luginetsky, swampy spruce (*Picea*) forest, in moss, 25.VIII.1998, leg. A.T.; 1 ♂, *Picea*, *Abies* & *Betula* forest, in moss, 26.VIII.1998, leg. A.T.

1 ♂, Noyabrsky, *Picea* wood, moss & lichen, 16.VIII.2000, leg. A.T.

DISTRIBUTION. Throughout the Holarctic.

Trematocephalus cristatus (Wider, 1834)

MATERIAL. 2 ♀♀, 11 km S of Gornoslinskino, clayish right bank of Irtysh River (narrow fold at rill mouth) up-stream of Tobolsk Field Research Station, in leaf litter and sweeping under *Salix* sp. with small true mosses, *Marchantia* sp., *Equisetum* sp., *Carex* sp., *Calamagrostis* sp. etc., 11.VI.2004, leg. A.R.

DISTRIBUTION. Widespread in Europe, known in the Caucasus and the Urals. In Siberia this species has hitherto been known only from the mountains of South Siberia (Altai Mts, Tuva and Sayan), the southern part of Khabarovsk Prov. and in Maritime Prov. Registered also from China. This is the first record in West Siberia.

Trichoncus vasconicus Denis, 1944

MATERIAL. 1 ♂, Tyumen, VI.2000, leg. U.

DISTRIBUTION. Southern and Western Europe, the Caucasus, the Urals, West Siberia, eastern Kazakhstan, Tuva, the Lake Baikal region and East Siberia. This is the first record in West Siberia.

Wabasso quaestio (Chamberlin, 1948)

MATERIAL. 4 ♂♂, 7 ♀♀, Noyabrsky, *Salix* bushes along brook, litter, 15.VIII.2000, leg. A.T.

DISTRIBUTION. Siberia: from the Urals eastward to Yenisey River, in the mountains of South Siberia registered from Tuva and Sayan. In the Nearctic, from Manitoba to Quebec.

Walckenaeria alticeps (Denis, 1952)

MATERIAL. 1 ♀, Yuganskiy Reserve, Bolshoy Yugan River, near cordon Kamennyi. Waterlogged forest with *Picea*, *Abies*, *Pinus sylvestris*, young *Pinus sibirica*, aspen, *Betula*, *Ledum*, *Hylocomium splendens*, *Pleurozium schreberi*, *Sphagnum* spp., *Polytrichum* spp., *Carex* spp., Gramineae, *Linnaea borealis*, *Vaccinium vitis-idaea*, *V. myrtillus*, 24.VIII.1999, leg. A.R.; 1 ♂, Nyogus'yakh River near Kogontchina-2 field research station. Mosses and litter on swamp with *Pinus sylvestris*, *Betula*, *Ledum palustre*, *Andromeda polifolia*, *Chamaedaphne calyculata*, *Vaccinium uliginosum*, *Eriophorum* sp., *Oxycoccus palustris*, *Sphagnum fuscum*, *Sph. magellanicum*, *Sph. ?angustifolium*, *Sph.* spp., *Rubus chamaemorus* etc., 31.VIII.2000, leg. A.R.; 2 ♀♀, near S border of buffer area of Yuganskiy Reserve, Kolylnor Lake. Lake shore: *Carex* spp., Gramineae, *Sphagnum* spp. etc., 29.VIII.2001, leg. A.R.; 1 ♀, near S border of buffer area of Yuganskiy Reserve, Kolylnor Lake. Mosses and litter by lake shore: *Carex* spp., Gramineae, *Sphagnum girgensohnii*, *Sph. squarrosum*, *Sph.* spp. sparse *Betula*, *Salix* sp. etc., 05.IX.2001, leg. A.R.; 1 ♀, Kol-Kotchen-Yagun River (confluent of Malyy Yugan River) E of cordon. Loamy river bank with *Carex* spp., Gramineae, *Equisetum* spp., small *Rosa* sp. & *Salix* sp. etc., 16.IX.2001, leg. A.R.; 1 ♂, Bolshoy Yugan River near Kamennyi cordon, swamped birch forest with *Sphagnum* spp., *Carex* sp., Gramineae, *Ledum palustre* etc., 15.VIII.2002, leg. A.R.; 1 ♀, Ay-Magromsy River Basin, Medvezhyi Ugol cordon, mosses and litter at rill bank: *Carex rhynchophysa*, *Sphagnum* spp., *Plagiomnium* sp. etc., 16.IX.2002, leg. A.R.; 1 ♂, Ay-Magromsy River Basin, Medvezhyi Ugol cordon, mosses and litter in tussocks of *Carex* sp. with *Sphagnum squarrosum*, *Sph. centrale*, *Sph. girgensohnii*, *Sph. ?russowii*, *Plagiomnium* sp. etc., and also sweeping on *Carex rhynchophysa* among swampy birch forest at SW border of the reserve, 21.IX.2002, leg. A.R.; 2 ♀♀, Ay-Magromsy River Basin, Medvezhyi Ugol cordon, mosses and litter at the foot of slope near border of open swamp: *Pinus sylvestris*, *P. sibirica*, *Picea obovata*, *Juniperus communis*, *Ledum palustre*, *Chamaedaphne calyculata*, *Carex globularis*, *Pleurozium schreberi*, *Dicranum polysetum*, *Polytrichum* spp., *Sphagnum* spp., *Equisetum sylvaticum*, *Eg. pratense*, *Vaccinium vitis-idaea* etc., 25.IX.2002, leg. A.R.; 1 ♀, Ay-Magromsy River Basin, Medvezhyi Ugol cordon, mosses and litter near rill: *Plagiomnium* sp., *Sphagnum squarrosum*, *Sph. centrale*, *Sph. girgensohnii*, *Sph. warnstorffii*, *Calamagrostis* sp., *Carex* sp. among sparse *Salix* sp. and birches, (+3C?), 28.IX.2002, leg. A.R.; 1 ♀, Ay-Magromsy River Basin, 1 km N of Medvezhyi Ugol cordon, mosses and litter on flood-plain of rill with *Calamagrostis* sp., *Filipendula ulmaria*, *Spiraea* sp., *Equisetum sylvaticum*, *Plagiomnium* sp., *Sphagnum* spp. etc., (+5C?), 05.X.2002, leg. A.R.

1 ♀, Tobolsk Field Research Station, mosses and litter among sparse *Salix* spp., *Betula*, *Pinus sylvestris* with tussocks of *Carex* spp., *Poaceae*, *Lythrum* sp., *Filipendula ulmaria*, *Climacium dendroides*, isolated spots of *Sphagnum squarrosum*, *Sph.* sp. etc., on swamped flood-plain of left bank of Irtysh River, 29.IX.2003, leg. A.R.; 1 ♂, mosses and litter in swampy birch forest with *Pinus sylvestris*, *Ledum palustre*, *Vaccinium uliginosum*, *Carex globularis*, *Sphagnum girgensohnii*, *Sph. ?russowii*, *Sph.* spp., *Polytrichum commune*, *P. strictum*, *Pleurozium schreberi*, *?Aulacomnium* sp., *Climacium dendroides* etc., 30.IX.2003, leg. A.R.

2 ♂♂, 2 ♀♀, Luginetsky, *Picea* & *Betula* forest, in moss, 22–28.VIII.1998, leg. A.T.; 1 ♀, swampy spruce (*Picea*) forest, in moss, 25.VIII.1998, leg. A.T.; 1 ♀, *Picea*, *Abies* & *Betula* forest, in moss, 26.VIII.1998, leg. A.T.

1 ♀, Samotlor, *Pinus* forest, in moss and lichen, Aug. 1999, leg. A.T.; 1 ♀, *Populus* forest, under *Ledum*, in moss, Aug. 1999, A.T. leg.; 1 ♀, *Populus* & *Pinus* forest, in moss, Aug. 1999, leg. A.T.

1 ♀, Tyumen, VI.2000, leg. U.

DISTRIBUTION. Europe, in Siberia known from the Urals eastward to Yenisey River. Registered from Altai Mts. This is the first record in West Siberia.

Walckenaeria antica (Wider, 1834)

1996 *Walckenaeria antica*, Esyunin, Ekosistemy Srednego Priob'ya, 1, p. 73. (revised).

DISTRIBUTION. Europe, the Caucasus and Middle Asia; in Siberia known from the Urals eastward to Yenisey River. Distributed in the mountains of South Siberia: Altai Mts, Tuva and Sayan; known also in China. Kamchatka (?), Japan (?), Korea (?).

Walckenaeria atrotibialis (O. Pickard-Cambridge, 1878)

1996 *Walckenaeria atrotibialis*, Esyunin, Ekosistemy Srednego Priob'ya, 1, p. 73.

MATERIAL. 1 ♀, Yuganskiy Reserve, Nyogus'yakh River, cordon Bisarkina. Moss and litter on swamp amid flood plain forest near foot of slope: *Menyanthes trifoliata*, *Equisetum* spp., *Sphagnum squarrosum* (sparse), *Sph. ?centrale*, *Sph.* spp., *Nardosmia frigida*, *Carex* spp., Gramineae, *Salix* sp., *Comarum palustre*, *Filipendula ulmaria*, *?Tomenthypnum* sp., *Plagiomnium* sp. etc., 27.X.1998, leg. A.R.; 1 ♂, Malyi Yugan River, cordon below Lyarykni River mouth, open swamp with tussocks of *Carex* spp. and *Calamagrostis* sp. with *Comarum palustre*, *Salix* sp., *Sphagnum squarrosum*, *Sph.* spp., *?Aulacomnium* sp. etc., between sparse young *Betula*, 17.VIII.2003, leg. A.R.; 1 ♂, Malyi Yugan River, cordon below Lyarykni River mouth, open swamp with tussocks of *Carex* spp. and *Calamagrostis* sp. with *Comarum palustre*, *Salix* sp., *Sphagnum squarrosum*, *Sph.* spp., *?Aulacomnium* sp. etc., between sparse young *Betula*, 22.VIII.2003, leg. A.R.; 1 ♀, Malyi Yugan River, near cordon below Maalyakh River mouth, mosses and litter in forest with *Pinus sibirica*, *P. sylvestris*, *Picea*, *Betula*, *Populus tremula*, *Abies*, *Equisetum sylvaticum*, *Linnaea borealis*, *Vaccinium vitis-idaea*, *V. myrtillosum*, *Carex globularis*, *Pleurozium schreberi*, *Hylocomium splendens*, *Polytrichum commune*, sparse spots of *Sphagnum girgensobnii* and *Ledum palustre*, 20.VIII.2003, leg. A.R.

1 ♀, Tobolsk Field Research Station, in litter under *Pinus sibirica*, *Tilia cordata*, *Betula*, *Populus tremula*, *Picea obovata*, *Abies sibirica* with *Carex globularis*, *Stellaria* sp., *Maianthemum bifolium*, *Lathyrus* sp., *Equisetum sylvaticum*, *Pyrola* sp. etc., on slope, 06.VI.2004, leg. A.R.; 1 ♀, Tobolsk Field Research Station, mosses and litter and in sweeping on small swamp with *Carex* spp., Poaceae, *Sphagnum girgensobnii*, *Sph. squarrosum*, *Sph. ?riparium*, *Sph. ?balticum*, *Sph. centrale* etc., 10.VI.2004, leg. A.R.; 1 ♂, 10–11 km S of Gornoslinskino, right bank of Irtysh River up-stream of Tobolsk Field Research Station, leaf litter near top of slope, under *Betula*, *Tilia*, *Populus tremula* with *Carex globularis*, *Stellaria* sp. etc., 04.VI.2004; leg. A.R.

2 ♀♀, Luginetsky, *Abies*, *Picea*, *Betula* forest, in moss, 26.VIII.1998, leg. A.T.

1 ♀, Noyabrsky, dry *Pinus* forest, *Ledum*, *Vaccinium vitis-idea*, *V. uliginosum*, *Empetrum*, moss & lichen (*Cladina* & *Cetraria*), 13.VIII.2000, leg. A.T.

1 ♂, 2 ♀♀, Tyumen, VI.2000, leg. U.

DISTRIBUTION. Europe, the Caucasus, eastern Kazakhstan and Middle Asia; in Siberia known from the Urals eastward to Yenisey River. Throughout the Nearctic.

Walckenaeria cucullata (C.L. Koch, 1836)

MATERIAL. 1 ♂, Yuganskiy Reserve, Ay-Magromsy River Basin, Medvezhyi Ugol cordon, mosses and litter under *Populus tremula*, *Pinus sibirica*, *Picea obovata*, *Pinus sylvestris* with *Abies* thicket, *Hylocomium splendens*, *Pleurozium schreberi*, *Dicranum polysetum*, *Polytrichum commune*, *Equisetum sylvaticum*, *Vaccinium vitis-idaea*, *Linnaea borealis* etc., (+3 C, after first snowfall), 13.IX.2002, leg. A.R.

2 ♂♂, 1 ♀, Luginetsky, *Picea* & *Betula* forest, in moss, 22–28.VIII.1998, leg. A.T.; 1 ♂, 1 ♀, *Picea*, *Populus* & *Betula* forest, in litter, 22–28.VIII.1998, leg. A.T.; 1 ♀, *Picea* & *Betula* forest, in moss, 21.VIII.1998, leg. A.T.

DISTRIBUTION. Europe, the Caucasus, eastern Kazakhstan; in Siberia known from the Urals eastward to Yenisey River; in the mountains of South Siberia recorded in Tuva and the Lake Baikal region.

Walckenaeria cuspidata Blackwall, 1833

MATERIAL. 1 ♀, near S border of buffer area of Yuganskiy Reserve, Kolymlor Lake. Lake shore: *Carex* spp., Gramineae, *Sphagnum* spp. etc., 29.VIII.2001, leg. A.R.; 1 ♀, Kolymlor Lake. Lake shore: *Carex* spp., Gramineae, *Sphagnum girgensobnii*, *Sph. squarrosum*, *Sph.* spp. sparse *Betula*, *Salix* sp. etc., 04.IX.2001, leg. A.R.; 1 ♂, rill between Kolymlor Lake and Koimlor (Krimlor) Lake. Rill bank near source: tussocks with *Carex* spp. and Gramineae, *Comarum palustre*, *Sphagnum squarrosum*, *Sph. girgensobnii*, *Sph.* spp., *Plagiomnium* sp. etc., 04.IX.2001, leg. A.R.

1 ♀, Luginetsky, *Picea*, *Abies* & *Betula* forest, in moss, 26.VIII.1998, leg. A.T.

2 ♀♀, Tyumen, VI.2000, leg. U.

DISTRIBUTION. Europe, in Siberia known from the Urals eastward to Cisokhotia, Kamchatka, the Commander Islands; recorded in Sakhalin, the Kurile Islands and Maritime Prov. In the mountains of South Siberia known from Altai Mts and Sayan.

Walckenaeria furcillata (Menge, 1869)

MATERIAL. 1 ♂, Yuganskiy Reserve, Vuya-Yany River near Ay-Vuya-Yany River mouth. Mosses and litter on swamp: *Pinus sylvestris*, *Ledum palustre*, *Andromeda polifolia*, *Chamaedaphne calyculata*, *Oxycoccus* spp., *Sphagnum magellanicum*, *Sph. ?angustifolium*, *Eriophorum* sp. etc., 27.VIII.2000, leg. A.R.

DISTRIBUTION. Europe, the Caucasus, eastern Kazakhstan, the Urals and West Siberia. Registered from Japan (?). This is the first record in West Siberia.

Walckenaeria karpinskii (O. Pickard-Cambridge, 1873)

MATERIAL. 1 ♀, Yuganskiy Reserve, Nyogus'yakh River, cordon Bisarkina. Mosses and litter in flood-plane forest and at natural levee with *Abies*, *Picea*, *Pinus sibirica*, *Betula*, *Oxalis*, *Equisetum sylvaticum*, *Eq. pratense*, *Maianthemum*, *Trientalis*, *Linnaea*, *Hylocomium splendens*, *Pleurozium schreberi*, placely *Sphagnum* sp. (*girgensobnii* or *russowii*) etc., 24.X.1998, leg. A.R.; 1 ♀, right confluent of Bolshoy Yugan River, 3 km SW of cordon Kamennyi. Moss and litter in flood-plain forest: *Picea*, *Betula*, *Abies*, *Pinus sibirica*, *Sorbus*, *Vaccinium vitis-idaea*, *V. myrtillosum*, *Maianthemum bifolium*, *Linnaea borealis*, *Hylocomium splendens*, *Pleurozium schreberi*, *Dicranum* sp., *Polytrichum commune*, 21.VIII.1999, leg. A.R.; 1 ♂, Nyogus'yakh River near Kogontchina-2 field research station. Mosses and litter under *Betula*, *Abies sibirica*, *Picea obovata*, *Pinus sibirica* with *Hylocomium splendens*, *Linnaea borealis*, *Oxalis acetosella*, *Maianthemum bifolium*, *Pyrola* sp., *Trientalis europaea*, *Equisetum pratense*, *Eq. sylvaticum* etc., on 1st fluvial terrace above flood-plain, 29.VIII.2000, leg. A.R.; 1 ♀, Kol-Kotchen-Yagan River Basin (confluent of Malyi Yugan River), lake near cordon. Mosses and litter under *Pinus sylvestris*, *P. sibirica* and elfin wood of *Abies sibirica* with *Vaccinium vitis-idaea*, *V. myrtillosum*, *Linnaea borealis*, *Pleurozium schreberi*, *Hylocomium splendens*, *Dicranum* sp., *Lycopodium* sp., sparse *Ledum palustre* et al., in forest on hill crest NW of lake, 01.X.2001, leg. A.R.

2 ♀♀, Luginetsky, *Abies*, *Picea*, *Betula* forest, in moss, 26.VIII.1998, leg. A.T.; 3 ♂♂, 8 ♀♀, swampy spruce (*Picea*)

forest, in moss, 25.VIII.1998, leg. A.T.; 1 ♂, 2 ♀♀, *Picea*, *Abies* & *Betula* forest, in moss, 26.VIII.1998, leg. A.T.

4 ♀♀, Noyabrskiy, dry *Pinus* forest, *Ledum*, *Vaccinium vitis-idaea*, *V. uliginosum*, *Empetrum*, in *Cladina* pads, 10.VIII.2000, leg. A.T.

1 ♂, 4 ♀♀, Nefteyugansk, mixed forests: *Abies*, *Pinus sibirica*, *Picea*, *Betula* with *Equisetum*, *Vaccinium* spp., *Empetrum*, mosses, VIII.2001, leg. A.T.

1 ♀, Tyumen, VI.2000, leg. U.

DISTRIBUTION. Northern Europe, Spitsbergen; in Siberia distributed from the Urals eastward to Chukotka, Cisokhotia, Kamchatka; through the mountains of South Siberia via the Lake Baikal region eastward to Khabarovsk Prov., Maritime Prov. Registered also from Sakhalin, Mongolia and China. Widespread in the northern Nearctic.

Walckenaeria kochi (O. Pickard-Cambridge, 1872)

MATERIAL. 1 ♀, near Ugut, Ugutka River Basin. Mosses and litter at forest with *Pinus sylvestris*, *Betula*, *Ledum palustre*, *Vaccinium myrtillus*, *V. vitis-idaea*, *Dicranum* sp., *Pleurozium schreberi*, *Hylocomium splendens*, underwood of *Pinus sibirica* etc., 11.X.1998, leg. A.R.

3 ♀♀, Yuganskiy Reserve, Malyi Yugan River Basin, 3–5 km SW of cordon at Kol-Kotchen-Yagun River, near lake. Moss and litter at lake shore: sedge tussocks, Gramineae, *Comarum palustre*, *Spiraea* sp. et al., 30.VIII.1999, leg. A.R.; 1 ♀, Malyi Yugan River Basin, 3–5 km SW of cordon at Kol-Kotchen-Yagun River, near lake. Moss and litter at lake shore (on cape near hut): *Padus*, *Salix*, young *Populus tremula*, sedge and graminoid tussocks, *Comarum palustre*, *Equisetum* spp., *Aulacomnium* sp. et al., 11.IX.1999, leg. A.R.; 1 ♂, 6 ♀♀, Malyi Yugan River Basin, Kol-Kotchen-Yagun River, 3–4 km S of cordon. Moss and litter at river bank: *Padus*, *Salix* sp., *Spiraea* spp., *Filipendula ulmaria*, *Ribes nigrum*, *Gallium* sp., *Carex* spp., Gramineae, *Equisetum* spp., *Aulacomnium* sp., *Plagiomnium* sp., *Climacium dendroides* et al., 13.IX.1999, leg. A.R.; 1 ♀, Vuyaya-Yany River near Ay-Vuyaya-Yany River mouth. Flood-plain depression: *Filipendula ulmaria*, *Carex* sp., Gramineae, *Spiraea* sp., *Ribes nigrum*, *Comarum palustre*, *Sphagnum squarrosum*, *Sph. girgensobnii*, *Climacium dendroides*, *Aulacomnium* sp., *Plagiomnium* sp. etc., 24.VIII.2000, leg. A.R.; 4 ♀♀, Vuyaya-Yany River near Ay-Vuyaya-Yany River mouth. Clay river banks near mouth of small left confluent (500 ♂ lower of field research station): *Carex* spp., Gramineae, *Mentha* sp., *Trollius* sp. etc., 25.VIII.2000, leg. A.R.; 1 ♂, 1 ♀, Nyogus'yakh River near Kogontchina-2 field research station. River banks near rill mouths: *Carex* sp., Gramineae, *Filipendula ulmaria*, *Salix* sp., *Padus* etc., 03.IX.2000, leg. A.R.; 2 ♂♂, 4 ♀♀, Nyogus'yakh River Basin near Petchpan'yakh River mouth. Mosses and litter on large swamp: *Carex* spp., *Comarum palustre*, *Equisetum* sp., *Nardosmia frigida*, *Eriophorum* sp., Gramineae, *Rumex* sp., *Aulacomnium* sp., *Plagiomnium* sp., *Ptilium crista-castrensis*, *Sphagnum* sp., *Chamaenerium angustifolium*, *Sphagnum* ?russowii, *Sph.* sp., *Salix* sp. etc., 15.IX.2000, leg. A.R.; 1 ♀, Bolshoy Yugan River, 6–7 km below Sugmuten'yakh River mouth. Bank of old channel: tussocks with *Carex* spp., Gramineae, small admixture of *Filipendula ulmaria* between sparse *Salix* sp. and *Betula*, 17.VIII.2001, leg. A.R.; 1 ♀, near S border of buffer area of Yuganskiy Reserve, Koimlor (Krimlor) Lake. Mosses and litter in tussocks between sparse *Betula* and *Salix* sp. near lake shore: *Carex* spp., Gramineae, *Sphagnum squarrosum*, *Sph. centrale*, *Sph. girgensobnii*, *Comarum palustre*, sparse *Equisetum* sp., 02.IX.2001, leg. A.R.; 2 ♀♀, near S border of buffer area of Yuganskiy Reserve, Kolylnor Lake. Lake shore: *Carex* spp., Gramineae, *Sphagnum girgensobnii*, *Sph. squarrosum*, *Sph.* spp. sparse *Betula*, *Salix* sp. etc., 04.IX.2001, leg. A.R.; 1 ♀, near S border of buffer area of Yuganskiy Reserve, Kolylnor Lake. Mosses and litter by lake shore: *Carex* spp., Gramineae, *Sphagnum girgensobnii*, *Sph. squarrosum*, *Sph.* spp. sparse *Betula*, *Salix* sp. etc., 05.IX.2001, leg. A.R.; 1 ♀, Kol-Kotchen-Yagun River Basin (confluent of Malyi Yugan River), lake near cordon. Mosses and litter by N shore of lake: *Carex*

spp., *Comarum palustre*, *Sphagnum* spp., Gramineae, *Salix* sp., sparse *Betula*, 17.IX.2001, leg. A.R.; 1 ♀, Kol-Kotchen-Yagun River Basin (confluent of Malyi Yugan River), lake near cordon. Swampy birch-willow sparse forest by SE shore of lake: tussocks of *Carex* spp. with a touch of *Calamagrostis* sp., *Comarum palustre*, *Sphagnum squarrosum*, *Sph. centrale*, *Sph.* spp. etc., as well as mosses and litter between those, 20.IX.2001, leg. A.R.; 1 ♀, Kol-Kotchen-Yagun River (confluent of Malyi Yugan River) NE of cordon. River bank with *Carex* spp., Gramineae, *Filipendula ulmaria*, *Urtica dioica*, *Spiraea* sp. etc., 23.IX.2001, leg. A.R.

1 ♂, 2 ♀♀, Tobolsk Field Research Station, in litter under *Salix* sp. with Poaceae, *Carex* sp., *Filipendula ulmaria*, Lamiaceae etc., 26.IX.2003, leg. A.R.; 2 ♀♀, near Tobolsk Field Research, willow leaf litter at margin of inundated flood-plain of Varpak River, 05.VI.2004, leg. A.R.

DISTRIBUTION. Europe, eastern Kazakhstan; in Siberia known from the Urals eastward to Yenisey River.

Walckenaeria korobeinikovi Esyunin et Efimik, 1996

1996 *Walckenaeria clavicornis*, Esyunin, Ekosistemy Srednego Priob'ya, 1, p. 73, revised by Esyunin, pers. comm.

1996 *Walckenaeria holmi*, Esyunin, Ekosistemy Srednego Priob'ya, 1, p. 73, revised by Esyunin, pers. comm.

MATERIAL. 1 ♂, 3 ♀♀, Surgutskiy Refuge, Ob' River Basin, Materikovyi Pasl Channel. Moss and litter in forest with *Abies*, *Picea*, *Populus tremula*, *Betula*, young *Pinus sibirica*, *Pleurozium schreberi*, *Hylocomium splendens*, *Dicranum* sp., *Polytrichum commune*, *Equisetum sylvaticum*, *Linnaea borealis*, *Oxalis acetosella*, *Trientalis europaea* etc., 07.VIII.2000, leg. A.R.

2 ♀♀, Yuganskiy Reserve, Nyogus'yakh River, cordon Bisarkina. Mosses and litter in flood-plain forest and at natural levee with *Abies*, *Picea*, *Pinus sibirica*, *Betula*, *Oxalis*, *Equisetum sylvaticum*, *Eq. pratense*, *Maianthemum*, *Trientalis*, *Linnaea*, *Hylocomium splendens*, *Pleurozium schreberi*, placely *Sphagnum* sp. (*girgensobnii* or *russowii*) etc., 24.X.1998, leg. A.R.; 1 ♀, right confluent of Bolshoy Yugan River, 3 km SW of cordon Kamennyi. Moss and litter in flood-plain forest: *Picea*, *Betula*, *Abies*, *Pinus sibirica*, *Sorbus*, *Vaccinium vitis-idaea*, *V. myrtillus*, *Maianthemum bifolium*, *Linnaea borealis*, *Hylocomium splendens*, *Pleurozium schreberi*, *Dicranum* sp., *Polytrichum commune*, 21.VIII.1999, leg. A.R.; 2 ♀♀, Vuyaya-Yany River near Ay-Vuyaya-Yany River mouth. Mosses and litter in forest at crest line: *Pinus sibirica*, *P. sylvestris*, *Picea obovata*, *Abies sibirica*, *Vaccinium vitis-idaea*, *V. myrtillus*, *Linnaea borealis*, *Trientalis europaea*, *Equisetum sylvaticum*, *Pleurozium schreberi*, *Hylocomium splendens*, *Dicranum* sp., *Diphasiastrum* sp., 18.VIII.2000, leg. A.R.; 1 ♀, Vuyaya-Yany River Basin near Ay-Vuyaya-Yany River mouth (2 km E of cordon). Mosses and litter under *Picea obovata*, *Pinus sibirica*, *P. sylvestris*, *Betula* on flood-plain of rill with *Pleurozium schreberi*, *Hylocomium splendens*, *Sphagnum girgensobnii*, *Polytrichum commune*, *Equisetum sylvaticum*, *Carex* ?*globularis*, *Linnaea borealis*, *Vaccinium vitis-idaea*, *Oxalis acetosella* etc., 21.VIII.2000, leg. A.R.; 4 ♀♀, yogus'yakh River near Kogontchina-2 field research station. Mosses and litter under *Betula*, *Abies sibirica*, *Picea obovata*, *Pinus sibirica* with *Hylocomium splendens*, *Linnaea borealis*, *Oxalis acetosella*, *Maianthemum bifolium*, *Pyrola* sp., *Trientalis europaea*, *Equisetum pratense*, *Eq. sylvaticum* etc., on 1st fluvial terrace above flood-plain, 29.VIII.2000, leg. A.R.; 2 ♀♀, Kol-Kotchen-Yagun River Basin (confluent of Malyi Yugan River), lake near cordon. Mosses and litter under *Pinus sylvestris*, *P. sibirica* and elfin wood of *Abies sibirica* with *Vaccinium vitis-idaea*, *V. myrtillus*, *Linnaea borealis*, *Pleurozium schreberi*, *Hylocomium splendens*, *Dicranum* sp., *Lycopodium* sp., sparse *Ledum palustre* et al., in forest on hill crest NW of lake. 01.X.2001, leg. A.R.; 2 ♀♀, Bolshoy Yugan River near Kamennyi cordon, swamped birch forest with *Sphagnum* spp., *Carex* sp., Gramineae, *Ledum palustre* etc., 15.VIII.2002, leg. A.R.; 1 ♀, Ay-Magromsky River Basin, Med-

vezhyi Ugol cordon, mosses and litter under *Populus tremula*, *Pinus sibirica*, *Picea obovata*, *Pinus sylvestris* with *Abies* thicket, *Hylocomium splendens*, *Pleurozium schreberi*, *Dicranum polysetum*, *Polytrichum commune*, *Equisetum sylvaticum*, *Vaccinium vitis-idaea*, *Linnaea borealis* etc., (+3C, after first snowfall), 13.IX.2002, leg. A.R.; 1 ♀, Ay-Magromsy River Basin, Medvezhyi Ugol cordon, mosses and litter at rill bank: *Carex rhynchophysa*, *Sphagnum* spp., *Plagiomnium* sp. etc., 16.IX.2002, leg. A.R.; 1 ♂, 4 ♀♀, Ay-Magromsy River Basin, Medvezhyi Ugol cordon, mosses and litter at rill bank and on flood-plain of rill: *Calamagrostis* sp., *Ribes* spp., *Rosa* sp., *Filipendula ulmaria*, *Matteuccia struthiopteris*, *Equisetum sylvaticum*, *Sphagnum squarrosum*, *Sph. girgensobnii*, *Sph.* spp., *Plagiomnium* sp. etc., 20.IX.2002, leg. A.R.; 1 ♂, Ay-Magromsy River Basin, Medvezhyi Ugol cordon, mosses and litter among *Abies*, *Picea* and *Betula* on gentle slope near SW edge of sedge-mossy swamp: *Ledum palustre*, *Vaccinium vitis-idaea*, *Hylocomium splendens*, *Pleurozium schreberi*, *Polytrichum commune*, *Sphagnum ?russowii*, *Sph.* spp. etc., (+3C?), 28.IX.2002, leg. A.R.; 1 ♀, Ay-Magromsy River Basin, 3 km N of Medvezhyi Ugol cordon, mosses and litter under *Larix sibirica* and *Juniperus* sp. among *Abies*, *Picea*, *Betula* with *Hylocomium splendens*, *Pleurozium schreberi*, *Dicranum polysetum*, *Linnaea borealis*, *Polytrichum commune*, *Diphysastrum complanatum*, *Vaccinium vitis-idaea*, *V. myrtillus* etc., on gentle slope, 03.X.2002, leg. A.R.

2 ♂♂, 4 ♀♀, Luginetsky, *Picea* & *Betula* forest, in moss, 22–28.VIII.1998, leg. A.T.; 3 ♀♀, *Picea*, *Abies* & *Betula* forest, in moss, 26.VIII.1998, leg. A.T.

1 ♀, Nefteyugansk, mixed forests: *Abies*, *Pinus sibirica*, *Picea*, *Betula* with *Equisetum*, *Vaccinium* spp., *Empetrum*, mosses, VIII.2001, leg. A.T.

DISTRIBUTION. Siberia: from the Urals eastward to East Siberia; through the mountains of South Siberia via the Lake Baikal region to Khabarovsk Prov. Known also from Mongolia and Japan.

Walckenaeria nodosa O. Pickard-Cambridge, 1873

1992 *Walckenaeria mayumiae*, Esyunin & Novokshenov, Trudy Zool. Inst. AN SSSR, 226, p. 116.

1996 *Walckenaeria mayumiae*, Esyunin, Ekosistemy Srednego Priob'ya, 1, p. 73.

1996 *Walckenaeria nodosa*, Esyunin, Ekosistemy Srednego Priob'ya, 1, p. 73.

MATERIAL. 1 ♂, Yuganskiy Reserve, Malyy Yugan River Basin, hut at Kol-Kotchen-Yugan River, 12 km SW of cordon. Moss and litter under *Abies* with *Equisetum pratense*, *Hylocomium splendens*, *Oxalis acetosella* et al., on natural levee, 02.IX.1999, leg. A.R.; 1 ♂, Nyogus'yakh River near Kogontchina-2 field research station. Mosses and litter on swamp with *Pinus sylvestris*, *Betula*, *Ledum palustre*, *Andromeda polifolia*, *Chamaedaphne calyculata*, *Vaccinium uliginosum*, *Eriophorum* sp., *Oxycoccus palustris*, *Sphagnum fuscum*, *Sph. magellanicum*, *Sph. ?angustifolium*, *Sph.* spp., *Rubus chamaemorus* etc., 31.VIII.2000, leg. A.R.; 1 ♀, Nyogus'yakh River Basin near Petchpan'yakh River mouth. Mosses and litter on large swamp: *Carex* spp., *Comarum palustre*, *Equisetum* sp., *Eriophorum* sp., Gramineae, *Rumex* sp., *Aulacomnium* sp., *Plagiomnium* sp., *Ptilium crista-castrensis*, *Sphagnum* sp., *Chamaenerium angustifolium*, *Betula* and *Salix* sp. etc., 13.IX.2000, leg. A.R.; 1 ♀, Vuyay-Yany River near Ay-Vuyay-Yany River mouth. Mosses and litter on swamp: *Pinus sylvestris*, *Ledum palustre*, *Andromeda polifolia*, *Chamaedaphne calyculata*, *Oxycoccus* spp., *Sphagnum magellanicum*, *Sph. ?angustifolium*, *Eriophorum* sp. etc., 27.VIII.2000, leg. A.R.; 1 ♂, 2 ♀♀, near S border of buffer area of rill between Kolynlor Lake and Koimlor (Krimlor) Lake. Mosses and litter under *Pinus sibirica* in forest at the rill bank: *Lycopodium* sp., ferns, *Linnaea borealis*, *Vaccinium vitis-idaea*, *Orthilia secunda*, *Pleurozium schreberi*, *Hylocomium splendens*, *Dicranum* sp., *Polytrichum* sp., *Calamagrostis* sp., sparse *Ledum palustre* etc., 04.IX.2001, leg. A.R.; 1 ♀, Ay-Magromsy

River Basin, Medvezhyi Ugol cordon, mosses and litter at southern border of sedge-mossy swamp: *Carex rostrata*, *C.* spp., *Comarum palustre*, *Equisetum* spp., *Sphagnum girgensobnii*, *Sph.* spp., *Plagiomnium* sp., *Aulacomnium* sp., *Calamagrostis* sp., *Menyanthes trifoliata* etc., among sparse young birches, 21.IX.2002, leg. A.R.; 1 ♀, Ay-Magromsy River Basin, Medvezhyi Ugol cordon, mosses and litter near rill: *Plagiomnium* sp., *Sphagnum squarrosum*, *Sph. centrale*, *Sph. girgensobnii*, *Sph. warnstorffii*, *Calamagrostis* sp., *Carex* sp. among sparse *Salix* sp. and birches, (+3C?), 28.IX.2002, leg. A.R.; 1 ♀, Malyy Yugan River, near cordon below Maalyakh River mouth, mosses and litter on swamp with *Sphagnum magellanicum*, *Sph. ?balticum*, *Sph. fuscum*, *Sph.* spp., *Carex* sp., *Eriophorum* sp., *Chamaedaphne calyculata*, *Ledum palustre*, *Andromeda polifolia*, *Oxycoccus* sp., sparse *Pinus sylvestris* etc., and in sweeping, 20.VIII.2003, leg. A.R.

1 ♀, Samotlor, bank of Vakh River, *Salix* bushes, litter, Aug. 1999, leg. A.T.

DISTRIBUTION. Europe; in Siberia known from the Urals eastward to Yenisey River; recorded in Altai Mts., Maritime Prov., Sakhalin and Japan.

Walckenaeria nudipalpis (Westring, 1851)

1996 *Walckenaeria nudipalpis*, Esyunin, Ekosistemy Srednego Priob'ya, 1, p. 73.

MATERIAL. 1 ♀, Surgutskiy Refuge, Ob' River Basin, Materikovyi Pasl Channel. Mosses and litter on bog near glade: tussocks with *Carex ?globularis*, *Sphagnum ?girgensobnii*, *Sph.* spp., *Linnaea borealis*, *Equisetum sylvaticum*, *Vaccinium vitis-idaea*, *Ledum palustre*, 06.VIII.2000, leg. A.R.

1 ♀, Yuganskiy Reserve, Nyogus'yakh River, cordon Bisarkina. Moss and litter at swamp amid flood-plain forest near foot of slope: *Menyanthes trifoliata*, *Equisetum* sp., *Sphagnum* spp., *Comarum palustre*, *Filipendula ulmaria*, *?Tomenthypnum* sp., *Plagiomnium* sp. etc., with sparse *Betula*, *Picea*, *Abies*, *Pinus sibirica*, 25.X.1998, leg. A.R.; 1 ♂, 1 ♀, Vuyay-Yany River near Ay-Vuyay-Yany River mouth. Flood-plain depression: *Filipendula ulmaria*, *Carex* sp., Gramineae, *Spiraea* sp., *Ribes nigrum*, *Comarum palustre*, *Sphagnum squarrosum*, *Sph. girgensobnii*, *Climacium dendroides*, *Aulacomnium* sp., *Plagiomnium* sp. etc., 24.VIII.2000, leg. A.R.; 1 ♀, Bolshoy Yugan River, 6–7 km below Sugmuten'yakh River mouth. Mosses and litter between *Carex* spp., Gramineae, *Filipendula ulmaria*, *Spiraea* sp., with *Plagiomnium* sp., *Climacium dendroides* etc., on swamped forest road, 22.VIII.2001, leg. A.R.; 1 ♂, near S border of buffer area of Yuganskiy Reserve, Koimlor (Krimlor) Lake. Litter under *Picea obovata* and *Pinus sibirica* with *Lycopodium* sp., *Linnaea borealis*, ferns, Gramineae, *Trientalis europaea*, sparse *Ledum palustre* etc., in moist forest near lake shore, 02.IX.2001, leg. A.R.; 2 ♀♀, Kol-Kotchen-Yugan River Basin (confluent of Malyy Yugan River), lake near cordon. Mosses and litter by N shore of lake: *Carex* spp., *Comarum palustre*, *Sphagnum* spp., Gramineae, *Salix* sp., sparse *Betula*, 17.IX.2001, leg. A.R.; 1 ♀, Ay-Magromsy River Basin, Medvezhyi Ugol cordon, mosses and litter at the foot of slope near border of open swamp: *Pinus sylvestris*, *P. sibirica*, *Picea obovata*, *Juniperus communis*, *Ledum palustre*, *Chamaedaphne calyculata*, *Carex globularis*, *Pleurozium schreberi*, *Dicranum polysetum*, *Polytrichum* spp., *Sphagnum* spp., *Equisetum sylvaticum*, *Eq. pratense*, *Vaccinium vitis-idaea* etc., 25.IX.2002, leg. A.R.; 1 ♂, Ay-Magromsy River Basin, 1 km N of Medvezhyi Ugol cordon, mosses and litter on flood-plain of rill with *Calamagrostis* sp., *Filipendula ulmaria*, *Spiraea* sp., *Equisetum sylvaticum*, *Plagiomnium* sp., *Sphagnum* spp. etc., (+5C?), 05.X.2002, leg. A.R.; 1 ♀ (AVT), Yuganskiy Reserve (buffer zone), flood-plain of a rill (confluent of Malyy Yugan River) near Achimovoy-2 village: tussocks of *Carex* spp. and Poaceae, depressions with *Carex rostrata*, *Filipendula ulmaria*, *Comarum palustre*, *Urtica dioica*, *Sphagnum centrale*, *Climacium dendroides*, *Plagiomnium* sp., *Rubus saxatilis*, *Salix* sp., sparse *Betula* and *Picea*. 24.VIII.2003, leg. A.R.

1 ♀, Tobolsk Field Research Station, in mosses and litter under *Betula*, *Picea*, *Alnus* with *Pyrola* sp., *Carex globularis*, *Poaceae*, *Equisetum sylvaticum*, *Linnaea borealis*, *Pleurozium schreberi*, *Dicranum polysetum*, *Oxalis acetosella*, *Galium* sp., *Aegopodium podagraria*, *Rubus idaeus*, *R. saxatilis* etc., on slope (from foot to top), 28.IX.2003, leg. A.R.; 1 ♀, in litter and mosses under *Salix* sp. with *Poaceae*, *Carex* spp., *Filipendula ulmaria*, *Galium* sp., *Climacium dendroides* etc., at border of flood-plain of Varpak River, 23.IX.2003, leg. A.R.; 1 ♀, mosses and litter in swampy birch forest with *Pinus sylvestris*, *Ledum palustre*, *Vaccinium uliginosum*, *Carex globularis*, *Sphagnum girgensohnii*, *Sph. ?russowii*, *Sph.* spp., *Polytrichum commune*, *P. strictum*, *Pleurozium schreberi*, *?Aulacomnium* sp., *Climacium dendroides* etc., 30.IX.2003, leg. A.R.; 1 ♀, mosses and plant debris in swampy birch-willow sparse forest of flood-plain near left bank of Irtysh River: *Carex* spp., *Calamagrostis* sp., *Sphagnum ?balticum*, *Sph. ?girgensohnii*, *Sph. squarrosum*, *Comarum palustre*, *Lytbrum* sp., *Filipendula ulmaria*, *Climacium dendroides* etc., 09.VI.2004, leg. A.R.

1 ♂, 1 ♀, Luginetsky, *Picea*, *Abies* & *Betula* forest, in moss, 26.VIII.1998, leg. A.T.

DISTRIBUTION. Europe and the Caucasus; in Siberia known from the Urals eastward to Yenisey River; registered from Altai Mts., Sakhalin and Japan.

Walckenaeria picetorum (Palmgren, 1976)

1996 *Walckenaeria picetorum*, Esysunin, Ekosistemy Srednego Priob'ya, 1, p. 73.

MATERIAL. 1 ♂, Yuganskiy Reserve, Malyy Yugan River Basin, 3–5 km SW of cordon at Kol-Kotchen-Yagun River, near lake. Moss and litter under *Pinus sibirica*, *P. sylvestris*, young *Abies* with *Hylocomium splendens*, *Pleurozium schreberi*, *Dicranum* sp., *Vaccinium myrtillus*, *V. vitis-idaea*, *Linnaea borealis*, sparse *Ledum* on low knoll, 09.IX.1999, leg. A.R.; 1 ♀, Nyogus'yakh River near Kogontchina-2 field research station. Mosses and litter on swamp with *Pinus sylvestris*, *Betula*, *Ledum palustre*, *Andromeda polifolia*, *Chamaedaphne calyculata*, *Vaccinium uliginosum*, *Eriophorum* sp., *Oxycoccus palustris*, *Sphagnum fuscum*, *Sph. magellanicum*, *Sph. ?angustifolium*, *Sph.* spp., *Rubus chamaemorus* etc., 31.VIII.2000, leg. A.R.; 1 ♀, Ay-Magromsy River Basin, Medvezhyi Ugol cordon, mosses and litter under *Pinus sylvestris*, *P. sibirica*, *Picea obovata*, *Betula* with *Vaccinium vitis-idaea*, *V. myrtillus*, *Pleurozium schreberi*, *Hylocomium splendens*, *Dicranum polysetum*, *Sphagnum ?warnstorffii*, *Linnaea borealis*, *Equisetum sylvaticum* etc., under aspen trunk, and under mosses, lichens, bark scales on bases of pine trees, 18.IX.2002, leg. A.R.

1 ♂, 1 ♀, Luginetsky, *Picea* & *Betula* forest, in moss, 26–28.VIII.1998, leg. A.T.

1 ♂, 1 ♀, Nefteyugansk, mixed forests: *Abies*, *Pinus sibirica*, *Picea*, *Betula* with *Equisetum*, *Vaccinium* spp., *Empetrum*, mosses, VIII.2001, leg. A.T.

DISTRIBUTION. Northern Europe; in Siberia distributed from the Urals to Cisokhotia, the Kurile Islands; Altai Mts, the southern part of Khabarovsk Prov., Sakhalin.

Walckenaeria obtusa Blackwall, 1836

MATERIAL. 1 ♀, Tobolsk Field Research Station, mosses and litter under *Betula* with *Equisetum sylvaticum*, *Pyrola* sp., *Lathyrus* sp. etc., on gentle slope near crest of Spartakovskaya Mt., 06.VI.2004, leg. A.R.

DISTRIBUTION. Europe, the Urals, West Siberia. In Siberia this species has hitherto been known only from Khabarovsk Prov. and Maritime Prov. This is the first record in West Siberia.

Walckenaeria vigilax (Blackwall, 1853)

MATERIAL. 1 ♂, Yuganskiy Reserve, Kol-Kotchen-Yagun River Basin (confluent of Malyy Yugan River), lake near

cordon. Mosses and litter between sparse *Betula* and *Pinus* spp. by N shore of lake: *Carex* spp., *Calamagrostis* sp., *Eriophorum* sp., *Salix* spp., *Comarum palustre*, *Sphagnum squarrosum*, *Sph. centrale*, *Sph.* spp., *Hypnum* sp. etc., 22.IX.2001, leg. A.R.

DISTRIBUTION. Europe, the Crimea and the Caucasus; in Siberia known from the Urals eastward to Yenisey River. Registered from China. In the Nearctic known in Alaska, British Columbia and Washington State. This is the first record in West Siberia.

Wubanoidea uralensis (Pakhorukov, 1981)

MATERIAL. 1 ♂, Tyumen, VI.2000, leg. U.

DISTRIBUTION. Siberia: from the Urals eastward to Yenisey River, known in the mountains of South Siberia: Altai Mts, Sayan and the Lake Baikal Region. Registered also from Mongolia. This is the first record in West Siberia.

Zornella cultrigera (L.Koch, 1879)

1996 *Zornella cultrigera*, Esysunin, Ekosistemy Srednego Priob'ya, 1, p. 73.

MATERIAL. 2 ♀♀, near Ugut, Kyn'yaminskoye Lake. *Sphagnum girgensohnii*, *Sph. ?russowii*, *Sph. squarrosum*, *Sph. ?centrale*, *Sph.* spp., *Equisetum sylvaticum*, *Polytrichum commune* amid swampy birch forest near lake shore, 11.VIII.2001, leg. A.R.

1 ♀, Yuganskiy Reserve, Nyogus'yakh River, cordon Bisarkina. Parching rill near cordon: mosses and litter in rill-bed and by banks (*Abies*, *Picea*, *Salix*, *Padus*, *Betula*, *Populus tremula*, *Linnaea*, *Trientalis*, *Oxalis*, *Polytrichum commune*, *Carex* spp., *Equisetum sylvaticum*, *Sphagnum ?riparium*, *Sph. ?girgensohnii* etc.), 22.X.1998, leg. A.R.; 1 ♀, Nyogus'yakh River Basin, forest road, 3 km ENE of cordon Bisarkina. Moss and litter in forest with *Picea*, *Pinus sibirica*, *P. sylvestris*, *Betula*, *Equisetum pratense*, *Eq. sylvaticum*, *Pleurozium schreberi*, *Hylocomium splendens*, *Vaccinium myrtillus*, *V. vitis-idaea*, *Sphagnum russowii* (placely), 28.X.1998, leg. A.R.; 1 ♀, Nyogus'yakh River, cordon Bisarkina. Parching rill near cordon: mosses and litter in rill-bed and by banks (*Carex* spp., *Equisetum sylvaticum*, *Sphagnum ?riparium*, *Sph. ?girgensohnii*, *Polytrichum commune*, *Filipendula ulmaria*, *Gramineae*, *Veratrum*, *Linnaea*, *Maianthemum*, *Trientalis*, *Tomenthypnum* sp., *Plagiomnium* sp. etc.), 31.X.1998, leg. A.R.; 3 ♀♀, Nyogus'yakh River, cordon Bisarkina. Mosses and litter on slope near parched rill about cordon: *Abies*, *Picea*, *Betula*, *Sorbus*, *Hylocomium splendens*, *Pleurozium schreberi*, *Ptilium*, *Maianthemum*, *Trientalis*, *Linnaea*, *Equisetum sylvaticum*, *Polytrichum commune*, *Oxalis* etc., 31.X.1998, leg. A.R.; 1 ♀, Bolshoy Yugan River, near cordon Kamennyi. Moss and litter in pine forest: *Pinus sylvestris*, young *Pinus sibirica*, *edum palustre*, *Vaccinium vitis-idaea*, *V. myrtillus*, *Linnaea borealis*, *Hylocomium splendens*, *Pleurozium schreberi*, *Dicranum* sp., *Polytrichum commune* etc., 20.VIII.1999, leg. A.R.; 2 ♀♀, Malyy Yugan River Basin, 3–5 km SW of cordon at Kol-Kotchen-Yagun River, near lake. Moss and litter under *Pinus sibirica*, *P. sylvestris*, young *Abies* with *Hylocomium splendens*, *Pleurozium schreberi*, *Dicranum* sp., *Vaccinium myrtillus*, *V. vitis-idaea*, *Linnaea borealis*, sparse *Ledum* on low knoll, 09.IX.1999, leg. A.R.; 1 ♀, Vuya-Yany River near Ay-Vuya-Yany River mouth. Mosses and litter in forest at crest line: *Pinus sibirica*, *P. sylvestris*, *Picea obovata*, *Abies sibirica*, *Vaccinium vitis-idaea*, *V. myrtillus*, *Linnaea borealis*, *Trientalis europaea*, *Equisetum sylvaticum*, *Pleurozium schreberi*, *Hylocomium splendens*, *Dicranum* sp., *Diphasiastrum* sp., 21.VIII.2000, leg. A.R.; 1 ♀, Nyogus'yakh River near Kogontchina-2 field research station. Mosses and litter under *Betula*, *Abies sibirica*, *Picea obovata*, *Pinus sibirica* with *Hylocomium splendens*, *Linnaea borealis*, *Oxalis acetosella*, *Maianthemum bifolium*, *Pyrola* sp., *Trientalis europaea*, *Equisetum pratense*, *Eq. sylvaticum* etc., on 1st fluvial terrace above flood-plain, 29.VIII.2000, leg. A.R.; 2 ♀♀, near S border of buffer area of Yuganskiy Reserve, rill between Kolynlor Lake and Koimlor (Krimlor) Lake. Mosses and litter under *Pinus*

sibirica in forest at the mill bank: *Lycopodium* sp., ferns, *Linnaea borealis*, *Vaccinium vitis-idaea*, *Orthilia secunda*, *Pleurozium schreberi*, *Hylocomium splendens*, *Dicranum* sp., *Polytrichum* sp., *Calamagrostis* sp., sparse *Ledum palustre* etc., 04.IX.2001, leg. A.R.; 3 ♀♀, Malyi Yugan River, near cordon below Lyarykni River mouth, mosses and litter in forest near river bank: *Pleurozium schreberi*, *Hylocomium splendens*, *Dicranum polysetum*, sparse *Polytrichum commune*, spots of *Sphagnum girgensohnii*, *Linnaea borealis*, *Vaccinium vitis-idaea*, *Equisetum sylvaticum*, *Majanthemum bifolium*, *Carex globularis*, *Rubus saxatilis*, *Trientalis europaea*, *Poaceae*, *Oxalis acetosella* etc., under *Pinus sibirica*, *P. sylvestris*, *Abies*, *Picea*, *Betula*, *Populus tremula*, 18.VIII.2003, leg. A.R.

3 ♂♂, 5 ♀♀, Luginetsky, *Abies*, *Picea*, *Betula* forest, in moss, VIII.1998, leg. A.T.; 6 ♀♀, *Picea* & *Betula* forest, in moss, 22–

28.VIII.1998, leg. A.T.; 2 ♂♂, 2 ♀♀, swampy spruce (*Picea*) forest, in moss, 25.VIII.1998, leg. A.T.; 1 ♀, *Picea*, *Abies* & *Betula* forest, in moss, 26.VIII.1998, leg. A.T.

2 ♂♂, Tomsk, *Abies* forest, in moss and litter, 15–16.VIII.1998, leg. A.T.

7 ♂♂, 4 ♀♀, Nefteyugansk, mixed forests: *Abies*, *Pinus sibirica*, *Picea*, *Betula* with *Equisetum*, *Vaccinium* spp., *Empetrum*, mosses, VIII.2001, leg. A.T.

DISTRIBUTION. Northern Europe; in Siberia distributed from the Urals to Chukotka, Cisokhotia; from eastern Kazakhstan through the mountains of South Siberia via the Lake Baikal region eastward to Khabarovsk Prov.; recorded also in Mongolia. Widespread in the northern Nearctic.

Table 1. Distribution of the linyphiid spiders between localities in the West Siberian Plain (1 — Noyabrsk, 2 — Surgutskiy Nature Refuge, 3 — Samotlor, 4 — Nefteyugansk, 5 — Ugut, 6 — Yuganskiy Nature Reserve, 7 — Tobolsk Field Research Station, 8 — Luginetsky, 9 — Tomsk, 10 — Tyumen).

Таблица 1. Распространение пауков-линефицид на Западно-Сибирской равнине (1 — Ноябрьск, 2 — Сургутский Nature Refuge, 3 — Самогтор, 4 — Нефтеюганск, 5 — Угут, 6 — Юганский природный заповедник, 7 — Тобольская Field Research Station, 8 — Luginetsky, 9 — Томск, 10 — Тюмень).

Species	Localities in the West Siberian Plain									
	1	2	3	4	5	6	7	8	9	10
1 <i>Abacoproeces saltuum</i>						+	+			
2 <i>Abiskoa abiskoensis</i>			+			+		+		
3 <i>Agyneta affinis</i>						+				+
4 <i>A. allosubtilis</i>						+				+
5 <i>A. conigera</i>										+
6 <i>A. decora</i>							+			
7 <i>A. levii</i>						+				+
8 <i>A. mossica</i>						+				
9 <i>A. ramosa</i>							+			
10 <i>A. rurestris</i>						+				+
11 <i>Allomengea scopigera</i>						+			+	
12 <i>A. vidua</i>	+	+				+	+			
13 <i>Anguliphantes angulipalpis</i>						+	+			
14 <i>A. dybowskii</i>				+		+		+		
15 <i>A. sibiricus</i>									+	
16 <i>Aphileta misera</i>						+				
17 <i>Araeoncus crassiceps</i>						+	+			
18 <i>A. vorkutensis</i>						+			+	
19 <i>Bathylinyphia major</i>						+				
20 <i>Bathyphantes approximatus</i>			+		+	+	+			
21 <i>B. gracilis</i>						+	+	+		
22 <i>B. nigrinus</i>						+	+			
23 <i>B. parvulus</i>							+			+
24 <i>B. reprobus</i>										+
25 <i>B. setiger</i>		+				+	+			
26 <i>B. simillimus</i>						+			+	+

Table 1 (contituing).
Таблица 1 (продолжение).

	Species	Localities in the West Siberian Plain									
		1	2	3	4	5	6	7	8	9	10
27	<i>Bolephthyphantes index</i>						+				
28	<i>Bolyphantes alticeps</i>			+			+		+	+	
29	<i>Carorita limnaea</i>						+		+		
30	<i>C. paludosa</i>						+				
31	<i>Centromerus arcanus</i>	+	+	+	+	+	+	+	+		
32	<i>C. clarus</i>		+	+	+		+	+	+		
33	<i>C. incilium</i>	+									
34	<i>C. levitarsis</i>		+				+				
35	<i>C. semiater</i>						+	+			
36	<i>C. sylvaticus</i>		+	+	+		+	+	+		+
37	<i>Ceraticelus bulbosus</i>		+				+				
38	<i>Ceratinella brevipes</i>						+				
39	<i>C. brevis</i>				+		+	+	+		
40	<i>C. scabrosa</i>							+			
41	<i>C. wideri</i>						+	+	+	+	
42	<i>Cnephalocotes obscurus</i>						+		+		+
43	<i>Decipiphantes decipiens</i>		+	+	+		+	+	+		+
44	<i>Dicymbium nigrum</i>							+			
45	<i>Diplocentria bidentata</i>	+			+		+	+	+		+
46	<i>D. rectangulata</i>						+				
47	<i>Diplocephalus subrostratus</i>		+				+				+
48	<i>Diplostyla concolor</i>				+		+	+			
49	<i>Dismodicus bifrons</i>							+			
50	<i>D. elevatus</i>						+				
51	<i>Drapetisca socialis</i>						+	+			+
52	<i>Drepanotylus borealis</i>						+				
53	<i>D. holmi</i>					+	+	+			
54	<i>D. uncatus</i>	+	+				+				
55	<i>Entelecara erythropus</i>			+							
56	<i>Erigone atra</i>			+			+	+			+
57	<i>E. dentipalpis</i>							+			
58	<i>E. hypoarctica</i>						+				
59	<i>Erigonella ignobilis</i>	+	+			+	+	+			
60	<i>Erigonidium graminicola</i>						+	+			
61	<i>Floronia bucculenta</i>									+	
62	<i>Glyphesis cottonae</i>						+				
63	<i>Gnathonarium dentatum</i>						+	+			
64	<i>Gonatium rubellum</i>						+		+		

Table 1 (contituing).
Таблица 1 (продолжение).

Species		Localities in the West Siberian Plain									
		1	2	3	4	5	6	7	8	9	10
65	<i>G. rubens</i>	+		+			+				
66	<i>Gongylidiellum murcidum</i>							+			
67	<i>Gongylidium rufipes</i>							+			
68	<i>Halorates distinctus</i>						+				+
69	<i>Helophora insignis</i>	+		+			+	+	+	+	
70	<i>Hilaira herniosa</i>	+					+		+		+
71	<i>H. minuta</i>							+			
72	<i>H. pervicax</i>						+				
73	<i>Hilaira sp.</i>	+									
74	<i>Hypselistes jacksoni</i>	+	+	+			+	+	+	+	+
75	<i>Improphantes complicatus</i>	+					+		+		+
76	<i>Incestophantes crucifer</i>						+				
77	<i>I. kochiellus</i>						+				
78	<i>Kaestneria dorsalis</i>						+	+	+		
79	<i>K. pullata</i>		+	+			+	+	+		+
80	<i>Leptorhoptrum robustum</i>						+			+	+
81	<i>Lophomma punctatum</i>						+				
82	<i>Macrargus multesimus</i>	+	+	+		+	+	+	+		+
83	<i>M. rufus</i>				+		+		+		
84	<i>Maro saaristoi</i>						+				
85	<i>Maro sp. n.</i>						+		+		+
86	<i>Maso sundevalli</i>	+	+	+	+		+	+	+		+
87	<i>Metopobactrus prominulus</i>	+					+				
88	<i>Micrargus herbigradus</i>	+		+	+		+	+	+		
89	<i>M. subaequalis</i>				+						
90	<i>Microlinyphia pusilla</i>						+				+
91	<i>Microneta viaria</i>		+	+			+	+	+		
92	<i>Minicia marginella</i>						+				
93	<i>Minyrioloides trifrons</i>				+		+	+			
94	<i>Minyriolus pusillus</i>		+				+		+		
95	<i>Mughiphantes taczanowskii</i>						+				
96	<i>Nerieni clathrata</i>						+	+	+		
97	<i>N. emphana</i>								+		+
98	<i>N. montana</i>						+				
99	<i>N. radiata</i>						+				+
100	<i>Notioscopus sarcinatus</i>		+		+		+		+		
101	<i>Obscuriphantes obscurus</i>						+				
102	<i>Oedothorax agrestis</i>						+				

Table 1 (contituing).
Таблица 1 (продолжение).

	Species	Localities in the West Siberian Plain									
		1	2	3	4	5	6	7	8	9	10
103	<i>O. gibbosus</i>	+	+				+	+			
104	<i>O. retusus</i>						+	+			
105	<i>Oreoneta uralensis</i>						+				
106	<i>Oreonetides vaginatus</i>						+				
107	<i>Oryphantes angulatus</i>	+		+		+	+	+	+		
108	<i>Panamomops dybowskii</i>						+				+
109	<i>Paraeboria jeniseica</i>						+				
110	<i>Pelecopsis mengei</i>						+				+
111	<i>P. parallela</i>						+				
112	<i>Perregrinus deformis</i>						+				
113	<i>Pityohyphantes phrygianus</i>						+				
114	<i>Pocadicnemis pumila</i>						+	+	+		+
115	<i>Porrhomma pallidum</i>		+				+				
116	<i>P. pygmaeum</i>		+			+	+	+			
117	<i>Praestigia pini</i>						+				
118	<i>Savignia frontata</i>		+		+		+	+			
119	<i>S. producta</i>						+				
120	<i>Scandichrestus tenuis</i>	+									
121	<i>Semljicola lapponicus</i>	+									
122	<i>S. latus</i>					+	+		+		+
123	<i>S. thaleri</i>				+		+			+	+
124	<i>Silometopus elegans</i>						+				
125	<i>Stemonyphantes conspersus</i>						+				
126	<i>S. sibiricus</i>								+		
127	<i>Styloctetor romanus</i>						+				
128	<i>S. stativus</i>						+				+
129	<i>Tallusia experta</i>						+	+			
130	<i>Tapinocyba insecta</i>							+			
131	<i>T. pallens</i>	+					+				
132	<i>Tenuiphantes alacris</i>	+	+	+			+	+	+		+
133	<i>T. cristatus</i>		+				+	+	+		+
134	<i>T. mengei</i>		+	+			+	+	+		+
135	<i>T. nigriventris</i>				+		+			+	
136	<i>T. tenebricola</i>				+		+	+		+	+
137	<i>Thyreosthenius biovatus</i>						+				
138	<i>Th. parasiticus</i>						+				
139	<i>Tibioploides arcuatus</i>						+				+
140	<i>Tibioplus diversus</i>	+	+				+	+	+		

Table 1 (contituing).
Таблица 1 (продолжение).

Species		Localities in the West Siberian Plain									
		1	2	3	4	5	6	7	8	9	10
141	<i>Trematocephalus cristatus</i>							+			
142	<i>Trichoncus vasconicus</i>										+
143	<i>Wabasso quaestio</i>	+									
144	<i>Walckenaeria alticeps</i>			+			+	+	+		+
145	<i>W. antica</i>										
146	<i>W. atrotibialis</i>	+					+	+	+		+
147	<i>W. cucullata</i>						+		+		
148	<i>W. cuspidata</i>						+		+		+
149	<i>W. furcillata</i>						+				
150	<i>W. karpinskii</i>	+			+		+		+		+
151	<i>W. kochi</i>					+	+	+			
152	<i>W. korobeinikovi</i>		+		+		+		+		
153	<i>W. nodosa</i>			+			+				
154	<i>W. nudipalpis</i>		+				+	+	+		
155	<i>W. obtusa</i>							+			
156	<i>W. picetorum</i>				+		+		+		
157	<i>W. vigilax</i>						+				
158	<i>Wubanooides uralensis</i>										+
159	<i>Zornella cultrigera</i>				+	+	+		+	+	
	Total species in the locality	26	28	22	22	10	130	62	47	14	44

Concluding notes on distribution

As correctly stated by Esyunin [1996], the West Siberian spider fauna is clearly European in character. The family Linyphiidae is no exception from this rule. More than half of the fauna (52%) is composed of Holarctic or Palearctic elements, Euro-Siberian species amount to 13% of the West Siberian fauna, which actually contains more European (19%) than Siberian elements (13%).

Based on the above new records, the ranges of the following species have been shown to surpass Europe and extend into West Siberia: *Agyneta ramosa* Jackson, 1912, *Anguliphantes angulipalpis* (Westring, 1851), *Carorita paludosa* Duffey, 1971, *Centromerus incilium* (L. Koch, 1881), *Incestophantes crucifer* (Menge, 1866), *Micrargus subaequalis* (Westring, 1851), *Tapinocyba insecta* (L. Koch, 1869), *Tenuiphantes tenebricola* (Wider, 1834), *Walckenaeria furcillata* (Menge, 1869). In contrast, the ranges of the following species have become known to extend into western West Siberia from the East: *Anguliphantes sibiricus* (Tanasevitch, 1986), *Bathylinyphia major* (Kul-

zynski, 1885), *Drepanotylus holmi* (Eskov, 1981), *Hilaira minuta* Eskov, 1979, *Maro saaristoi* Eskov, 1980, *Stemonyphantes sibiricus* (Grube, 1861). These taxa, together *Anguliphantes dybowskii* (O. Pickard-Cambridge, 1873), *Centromerus clarus* (L. Koch, 1879), *Panamomops dybowskii* (O. Pickard-Cambridge, 1873) and some other species form a Siberian nucleus of the West Siberian fauna.

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