

Schistochilopsis cornuta (Steph.) Konstant. - Partizansky District, Livadijsky Range, Pidan Mt. Area, Oury Stream Valley, abt. 12 km to the South from Lukjanovka Railway Station (43°05'25"N - 132°41'34"E), 580 m alt, decaying wood in dark coniferous forest with cover of shrubs, grass and ferns, with *Lepidozia reptans*, *Cephalozia leucantha*, *Mylia verrucosa*, Bakalin # P-54-2-08 [Бакалин] {VLA}.

Trichocoleopsis sacculata (Mitt.) Okam. - Partizansk District, Livadijsky Range, Pidan Mt. Area, Oury Stream Valley, abt. 9 km to the South from Lukjanovka Railway Station (43°06'05" N - 132°41'27" E), 444 m alt., stones along stream in multidominant (mainly *Picea*, *Abies*, *Acer*, *Alnus*) forest with cover of shrubs, grass and ferns, Bakalin#P-52-6-08 [Бакалин] {VLA}.

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- New liverwort records from Primorsky Territory. 3. - Новые находки печеночников в Приморском крае. 3.** А.Д. Потёмкин - А.Д. Потёмкин
- New for Russia - Новые для России
- Porella spinulosa* (Steph.) S. Hattori - Kedrovaya Pad' Strict Nature Reserve (ca. 43°06' N - 131°30' E), on fallen rotten decorticated coniferous tree trunk, together with *Aneura pinguis*, *Cephalozia otaruensis*, etc. Mod. subintegristipila, 5.X.2002, A.D. Potemkin & V.M. Kotkova #214403 [А.Д. Потёмкин, В.М. Коткова] {LE}. Most close locality is Honsu in Japan (Yamada & Iwatsuki, 2006).
- Study was supported by RFBR, project 07-04-00325, and Program of Presidium of RAS "Biological diversity" and Russian Science Support Foundation.
- LITERATURE CITED
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- New liverwort records from Sakhalin Province. 3. - Новые находки печеночников в Сахалинской области. 3.** V.A. Bakalin - В.А. Бакалин
- New for Sakhalin - Новые для Сахалина
- Asterella gracilis* (F. Weber) Underw. - Nabil'sky Range, right tributary of Khrebtovyy Stream (50°46'01"N-143°16'58"E), 801 m alt, cliff ledge along river, Bakalin #S-29-1-06 [Бакалин] {VLA}.
- Barbilophozia barbata* (Schmid. ex Schreb.) Loeske - Nabil'sky Range, source of Porozhistry Stream on western slope of Chamga Mt. (50°44'45" N - 143°18'36" E), 1406 m alt, fine-grained soil along stream, Bakalin #S-31-2-06 [Бакалин] {VLA}.
- Bazzania bidentula* (Steph.) Steph. - Nabil'sky Range, upper course of Khrebtovyy Stream near Chamginsky Pass (50°46'04" N - 143°15' 18" E), 500 m alt., *Abies* forest with *Pinuspumila* thickets on steep slope to stream, decaying wood, with *Tritomaria exsecta*, *Mylia verrucosa*, *Cephalozia lunulifolia*, Bakalin #S-26-1 1-06 [Бакалин] {VLA}.
- B. tricrenata* (Wahlenb.) Lindb. - Nabil'sky Range, right tributary of Khrebtovyy Stream (50°46'01" N - 143°16'58" E), 801 m alt, cliff

NEW BRYOPHYTE RECORDS

ledge along river, Bakalin #S-29-12-06 [Бакалин] {VLA}.

Blepharostoma trichophyllum (L.) Dumort. var. *brevirete* Bryhn & Kaal. - Nabil'sky Range, tributary of Skalistyj Stream in western slope of Chamga Mt. (50°44'48"N - 143°18'05" E), 1291 m alt., cliff crevice in *Pinus pumila* thickets, Bakalin #S-30-18a-06 [Бакалин] {VLA}.

Cladopodiella fluitans (Nees) Buch - Noglik'sky District (~51°55' N - 143°05' E), *Carex-Myrica* mire, Dudkin & Gorobets, 28.VIII.2006 [Дудкин, Горобец] {VLA}.

Diplophyllum albicans (L.) Dumort. - Nabil'sky Range, upper course of Skalistaya River (50°44'56,5" N - 143°18'25,9" E), 1375 m alt., cliffs near stream in tundra belt, with *Anthelia juratzkana* (Limpr.) Trev., Bakalin #S-27-12b-06 [Бакалин] {VLA}.

Eremonotus myriocarpus (Carr.) Lindb. & Kaal. - Nabil'sky Range, upper course of Skalistaya River (50°45'32,2" N - 143°17'42,7" E), 888 m alt., cliffs near stream in *Betula ermanii* belt, Bakalin #S-27-31-06 [Бакалин] {VLA}.

Gymnomitrium concinnatum (Lightf.) Corda - Nabil'sky Range, upper course of Skalistaya River (50°44'57" N - 143°18'26" E), 1375 m alt., cliffs near stream in tundra belt, with *Marsupella commutata*, *Anthelia juratzkana*, Bakalin #S-27-8a-06 [Бакалин] {VLA}.

Harpanthus scutatus (F. Weber & D. Mohr) Spruce - Dolinsky District, North of Firsovo Setl, (~47°38' N - 142°34' E), *Abies-Picea* forest, with *Calypogeia muelleriana*, *Bazzania ovifolia*, *Cephalozia bicuspidata*, Barkalov, 22.VIII.2008 [Баркалов] {VLA}.

Jungermannia eucordifolia Schljak. - Nabil'sky Range, upper course of Khrebtovij Stream near Chamginsky Pass (50°46'04" N - 143°15'18" E), 500 m alt., *Abies* forest with *Pinus pumila* thickets on steep slope to stream, stones along stream, Bakalin #S-26-19-06 [Бакалин] {VLA}.

J. exsertifolia Steph. - Nabil'sky Range, upper course of Skalistaya River (50°45'09" N - 143°18'26" E), 1134 m alt., cliffs near stream in *Betula ermanii* belt, Bakalin #S-27-24c-06 [Бакалин] {VLA}.

J. polaris Lindb. - Nabil'sky Range, tributary of Skalistyj Stream in western slope of Chamga

Mt. (50°44'49" N - 143°17'51" E), 1148 m alt. wet cliff crevices on slope to stream, Bakalin #S-30-14b-06 [Бакалин] {VLA}.

J. pumila With. - Nabil'sky Range, upper course of Skalistaya River (50°45'09" N - 143°18'26" E), 1134 m alt., cliffs near stream in *Betula ermanii* belt, Bakalin #S-27-24b-06 [Бакалин] {VLA}.

Lophozia propagulifera (Gott.) Steph. - Nabil'sky Range, upper course of Skalistaya River (50°44'57" N - 143°18'26" E), 1510 m alt., moss-lichen tundra near the pass, with *Tritomaria exsecta*, *Marsupella commutata*, *Sphenolobus minutus*, Bakalin #S-27-3-06 [Бакалин] {VLA}.

L. savicziae Schljak. - Nabil'sky Range, upper course of Skalistaya River (50°45'09" N - 143°18'26" E), 1134 m alt., cliffs near stream in *Betula ermanii* belt, with *Marsupella commutata*, *Pleurocladula albescens*, *Anthelia juratzkana*, *Nardia japonica*, *Solenostoma sphaerocarpum*, Bakalin #S-27-24-06 [Бакалин] {VLA}.

L. silvicoloides Kitag. - Nabil'sky Range, tributary of Skalistyj Stream on western slope of Chamga Mt. (50°44'48" N - 143°18'05" E), 1291 m alt., cliff crevice in *Pinus pumila* thickets, with *Mylia verrucosa* Lindb., *Sphenolobus minutus* (Schreb.) Berggr., Bakalin #S-30-23-06 [Бакалин] {VLA}.

L. wenzelii (Nees) Steph. var. *lapponica* H. Buch & S.W. Arnell - Nabil'sky Range, tributary of Skalistyj Stream on western slope of Chamga Mt. (50°44'49" N - 143°17'51" E), 1148 m alt., wet fine-grained soil crumbling to stream, with *Lophozia sudetica*, Bakalin #S-30-13-06 [Бакалин] {VLA}.

Macrodiplophyllum microdontum (Mitt.) H. Perss. - Nabil'sky Range. Source of Porozhistyj Stream on western slope of Chamga Mt. (50°44'45" N - 143°18'36" E), 1406 m alt., crevices in gravelly barrens field, with *Tetralophozia setiformis*, Bakalin #S-31-11-06 [Бакалин] {VLA}.

Marchantia alpestris (Nees) Burgeff - Nabil'sky Range, tributary of Skalistyj Stream in western slope of Chamga Mt. (50°44'50" N - 143°17'17" E), 949 m alt., wet clayish ground crumbling to stream, Bakalin #S-30-4-06 [Бакалин] {VLA}.

Marsupella commutata (Limpr.) H. Bern. - Nabil'sky Range, tributary of Skalistyj Stream on western slope of Chamga Mt (50°44'48" N - 143°

18'05" E), 1291 m alt., cliff crevice *mPinuspumila* thickets, Bakalin #S-30-19a-06 [Бакалин] {VLA}.

M. funckii (F. Weber & D. Mohr) Dumort. - Nabil'sky Range, source of Porozhistyj Stream on western slope of Chamga Mt. (50°44'45" N - 143°18'36" E), 1406 m alt., fine-grained soil along stream, Bakalin #S-31-3-06 [Бакалин] {VLA}.

M. sphacelata (Gieseke ex Lindenb.) Dumort. - Nabil'sky Range, source of Porozhistyj Stream on western slope of Chamga Mt. (50°44'45" N - 143°18'36" E), 1406 m alt., crevices in gravelly barrens field with *Tetralophozia setiformis*, Bakalin #S-31-13-06 [Бакалин] {VLA}.

M. sprucei (Limpr.) H. Bern. - Nabil'sky Range, source of Porozhistyj Stream on western slope of Chamga Mt. (50°44'45" N - 143°18'36" E), 1406 m alt., fine-grained soil along stream, with *Jungermannia exsertifolia*, Bakalin #S-31-7-06 [Бакалин] {VLA}.

Mylia taylorii (Hook.) S. Gray - Nabil'sky Range, tributary of Skalistyj Stream on western slope of Chamga Mt. (50°44'48" N - 143°18'05" E), 1291 m alt., cliff crevice in *Pinus pumila* thickets, with *Mylia verrucosa*, *Sphenolobus minutus*, Bakalin #S-30-22-06 [Бакалин] {VLA}.

Nardiageoscyphus (De Not.) Lindb. - Nabil'sky Range, tributary of Skalistyj Stream on western slope of Chamga Mt. (50°44'49,4" N - 143°17'50,7" E), 1148 m alt., fine-grained soil crumbling to stream, Bakalin #S-30-13a-06 [Бакалин] {VLA}.

Nardia insecta Lindb. - Nabil'sky Range, source of Porozhistyj Stream on western slope of Chamga Mt. (50°44'45" N - 143°18'36" E), 1406 m alt., fine-grained soil along stream, with *Marsupella sprucei* (Limpr.) H. Bern., *Lophozia sudetica*, Bakalin #S-31-4-06 [Бакалин] {VLA}.

N. japonica Steph. - Nabil'sky Range, tributary of Skalistyj Stream on western slope of Chamga Mt. (50°44'50" N - 143°17'17" E), 949 m alt., wet clayish ground crumbling to stream, with *Pleurocladula albescens*, *Lophozia sudetica*, Bakalin #S-30-11-06 [Бакалин] {VLA}.

Odontoschisma macounii (Aust.) Underw. - Nabil'sky Range, upper course of Skalistaya River (50°45'03" N - 143°18'25" E), 1263 m alt., cliffs in *Pinus pumila* belt, with *Blepharostoma*

trichophyllum var. *brevirete*, Bakalin #S-27-19a-06 [Бакалин] {VLA}.

Orthocaulis kunzeanus (Huebener) Buch - Nabil'sky Range, tributary of Skalistyj Stream on western slope of Chamga Mt. (50°44'49" N - 143°17'51" E), 1148 m alt., wet cliff crevices on slope to stream, Bakalin #S-30-15-06 [Бакалин] {VLA}.

O. quadrilobus (Lindb.) H. Buch - Nabil'sky Range, upper course of Skalistaya River (50°45'32" N - 143°17'43" E), 888 m alt., cliffs near stream in *Betula ermanii* belt, Bakalin #S-27-35-06 [Бакалин] {VLA}.

Plagiochila ovalifolia Mitt. - Southern part of Island, Belaya River near Sokol Settelement, 6 km upstream (47°15'17"N - 142°48'47"E), 68 m alt., cliffs ledge, probably splashed by water at spring in *Abies-Picea* forest, Bakalin #S-25-7a-06 [Бакалин] {VLA}.

Plectocolea infusca Mitt. var. *infusca* - Southern part of Island, Belaya River near Sokol Settelement, 6 km upstream (47°15'17"N - 142°48'47"E), 68 m alt., cliffs ledge, probably splashed by water at spring in *Abies-Picea* forest, Bakalin #S-25-4-06 [Бакалин] {VLA}.

P. infusca Mitt. var. *ovicalyx* (Steph.) Bakalin - Southern part of Island, Belaya River near Sokol Settelement, 6 km upstream (47°15'17"N - 142°48'47"E), 68 m alt., cliffs ledge, probably splashed by water at spring in *Abies-Picea* forest, Bakalin #S-25-1-06 [Бакалин] {VLA}.

P. subelliptica (Lindb. ex Kaal.) Evans - Nabil'sky Range, upper course of Skalistaya River (50°44'57" N - 143°18'26" E), 1375 m alt., cliffs near stream in tundra belt, Bakalin #S-27-8c-06 [Бакалин] {VLA}.

Pleurocladula albescens (Hook.) Grolle - Nabil'sky Range, upper course of Skalistaya River (50°45'09,1" N - 143°18'25,9" E), 1134 m alt., cliffs near stream in *Betula ermanii* belt, with *Jungermannia pumila*, Bakalin #S-27-27-06 [Бакалин] {VLA}.

Porella chinensis (Steph.) S. Hatt. - Nabil'sky Range, right tributary of Khrebtovij Stream (50°46'01" N - 143°16'58" E), 801 m alt., cliff ledge along river, Bakalin #S-29-12a-06 [Бакалин] {VLA}.

P. nitens (Steph.) S. Hatt. - Southern part of Island, 1-1.5 km upstream of Mereya River from

its mouth (46°38'24" N - 142°54'05" E), 6 m alt., decaying wood of coniferous tree in *Picea glehnii*-*Abies sakhalinensis* wet forest with grass-moss cover, with *Porella nitens*, Bakalin #S-24-3-06 [Бакалин] {VLA}.

Protolophozia debiliformis (Schust.) Konstant. - Nabil'sky Range, upper course of Skalistaya River (50°45'09" N - 143°18'26" E), 1134 m alt., cliffs near stream in *Betula ermanii* belt, Bakalin #S-27-24a-06 [Бакалин] {VLA}.

Radula japonica Gottsche in Steph. - Southern part of Island, Belaya River near Sokol Settlement, 6 km upstream (47°15'17" N - 142°48'47" E), 68 m alt., crevices in cliffs along river bank in *Abies-Picea* forest, Bakalin #S-25-15a-06 [Бакалин] {VLA}.

R. obtusiloba Steph. - Southern part of Island, Belaya River near Sokol Settlement, 6 km upstream (47°15'17" N - 142°48'47" E), 68 m alt., crevices in cliffs along river bank in *Abies-Picea* forest, Bakalin#S-25-21-06 [Бакалин] {VLA}.

R. prolifera Arnell - Nabil'sky Range, upper course of Skalistaya River (50°45'03" N - 143°18'25" E), 1263 m alt., cliffs in *Pinus pumila* belt, with *Scapania cuspiduligera*, *Frullania appendiculata*, *Blepharostoma trichophyllum* var. *brevirete*, Bakalin #S-27-17-06 [Бакалин] {VLA}.

Reboulia hemisphaerica (L.) Raddi ssp. *dioica* R.M. Schust. - Southern part of Island, Belaya River near Sokol Settlement, 6 km upstream (47°15'17" N - 142°48'47" E), 68 m alt., crevices in cliffs along river bank in *Abies-Picea* forest, Bakalin #S-25-14-06 [Бакалин] {VLA}.

Saccobasis polita (Nees) Buch - Nabil'sky Range, source of Porozhistyj Stream on western slope of Chamga Mt. (50°44'45" N - 143°18'36" E), 1406 m alt. fine-grained soil along stream, Bakalin #S-31-1a-06 [Бакалин] {VLA}.

Sauteria alpina (Nees) Nees - Nabil'sky Range, upper course of Skalistaya River (50°45'09" N - 143°18'26" E), 1134 m alt., cliffs near stream in *Betula ermanii* belt, Bakalin #S-27-23a-06 [Бакалин] {VLA}.

Scapania crassiretis Bryhn - Nabil'sky Range, upper course of Skalistaya River (50°45'03" N - 143°18'25" E), 1263 m alt., cliffs in *Pinus pumila* belt, Bakalin #S-27-19-06 [Бакалин] {VLA}.

S. curta (Mart.) Dumort. - Nabil'sky Range, source of Porozhistyj Stream on western slope of Chamga Mt. (50°44'45" N - 143°18'36" E), 1406 m alt., fine-grained soil along stream, Bakalin #S-31-1-06 [Бакалин] {VLA}.

S. cuspiduligera (Nees-) Mull.Frib. - Nabil'sky Range, upper course of Skalistaya River (50°45'03" N - 143°18'25" E), 1263 m alt, cliffs in *Pinus pumila* belt, *Frullania appendiculata* Steph., *Radula prolifera* Arnell, *Blepharostoma trichophyllum* var. *brevirete*, Bakalin#S-27-17-06 [Бакалин] {VLA}.

S. diplophyloides Amakawa & S. Hatt. - Southern part of Island, Belaya River near Sokol Settlement, 6 km upstream (47°15'17" N - 142°48'47" E), 68 m alt., decaying wood along small rivulet in *Abies-Picea* forest, with *Cephalozia bicuspidata*, *Lophocolea heterophylla*, *Macrodiplphyllum plikatatum*, *Blepharostoma trichophyllum* var. *trichophyllum*, Bakalin#S-25-24-06 [Бакалин] {VLA}.

S. sphaerifera H. Buch. - Nabil'sky Range, source of Porozhistyj Stream on western slope of Chamga Mt (50°44'45" N - 143°18'36" E), 1406 m alt., crevices in gravelly barrens field, with *Tetralophozia setiformis* (Ehrh.) Schljak., Bakalin #S-31-9-06 [Бакалин] {VLA}.

Schistochilopsis grandiretis (Lindb. ex Kaal.) Konstant - Nabil'sky Range, upper course of Skalistaya River (50°44'57" N - 143°18'26" E), 1375 m alt., cliffs near stream in tundra belt, with *Cephalozia bicuspidata*, *Sphenobolus minutus*, *Pleurocladula albescens*, *Blepharostoma trichophyllum* var. *brevirete*, Bakalin #S-27-14-06 [Бакалин] {VLA}.

S. hyperarctica (Schust.) Konstant. - Nabil'sky Range, right tributary of Khrebtovyy Stream (50°46'01" N - 143°16'58" E), 801 m alt, cliff ledge along river, with *Diplophyllum taxifolium*, *Cephalozia bicuspidata*, Bakalin #S-29-2-06 [Бакалин] {VLA}.

S. opacifolia (Culm, ex Meyl.) Konstant. - Nogliksky District, lower course of Bolshiye Veni River (~51°55'N - 143°05' E), dwarfshrub-sedge mire, with *Lophozia silvicola*, *Mylia anomala*, *Calyptogeia* cf. *muelleriana*, Barkalov 04.VIII.2008 [Баркалов] {VLA}.

Solenostoma caespiticium (Lindenb.) Steph. - Smirnykhovsky District, South Smirnykh Settlement, El'na River, dwarf *shmb-Sphagnum* mire, Barkalov 29.VIII.2008 [Баркалов] {VLA}.

S.pyriflorum Steph. var. *major*(S. Hatt.) Bakalin comb. nova (Basionym: *Jungermannia monticola* S. Hatt. fo. *major* S. Hatt. 1950, J. Hattori Bot. Lab., 3:8) - Southern part of Island, Belaya River near Sokol Settelement, 6 km upstream (47° 15'17" N - 142°48'47" E), 68 m alt., fine-grained soil on slope to stream in *Abies-Picea* forest, Bakalin #S-25-27a-06 [Бакалин] {VLA}.

S. rishiriense Amakawa - Nabil'sky Range, tributary of Skalistyj Stream in western slope of Changa Mt. (50°44'49" N - 143° 17'51" E), 1148 m alt., wet cliff crevices in slope to stream, with *Scapania* cf. *hyperborea*, Bakalin #S-30-12-06 [Бакалин] {VLA}.

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Новые находки печеночников в Сахалинской области. 4. - New liverwort records from Sakhalin Province. 4. Т.Н. Нюшко - Т.И. Нюшко

Новые для России - New for Russia

Microlejeunea ulicina (Taylor) Steph. - Kunashir Isl., mouth of Lesnaya River, 6 km southwestern Yuzhno-Kuril'sk (~44°00' N - 145°47' E), on *Abies* trunk, on mosses, E.I. Kil'dyushevskij, 29.V.1964 [Е.И. Кильдюшевский] {LE}.

Новые для Курильских островов -
New for the Kuril Islands

Chiloscyphus minor (Nees) Engel & R.M. Schust. - Shikotan Isl, on moss *Mnium* sp., N.F Mikhajlova, 17.IX. 1949[Н.Ф.Михайлова] {SAK}.

Новые для Сахалина - New for Sakhalin

Cololejeunea subkodamae Mizut. - Kriljon Peninsula, upper course of U1'janovka River (~46°23' N - 142°06' E), fir forest with *Sasa* sp., in the base of *Abies sachalinensis*, on bark, Nyushko, 25.V.2008 [Нюшко] {LE}. Previously species was known for Russia only from Shikotan Island (southern Kuril Islands), without exact locality (Horikawa, 1940).

Plagiochilaporelloides (Torrey ex Nees) Lindenb. - Kriljon Peninsula, middle course of Tumannaya River [~46°24' N - 142°05' E], fir forest on slope, on soil, Nyushko, 23.V.2008 [Т.Н. Нюшко] {LE}.

Solenostoma pyriflorum Steph. var. *pyriflorum* - Kriljon Peninsula, lower course of Tambovka River (~46°22' N - 142°16' E), bank of river, on slide-rocks, Nyushko, 27.V.2008 [Т.Н. Нюшко] {LE}.

Редкие и/или малоизвестные для области
- Rare and/or little-known for province

Calypogeia arguta Nees & Mont. - Iturup Isl., southwestern slope of Baranskogo Volcano, middle course of Kipyashaya Brook, "Hot Waterfall" (~45°04' N - 147°59' E), on slope of brook, on fine-grained soil, Nyushko # It-28.1-08 [Нюшко] {LE}. The second record for Russia. Previously species was known from Kunashir Isl. (Bakalin, 2007).

Cladopodiella francisci (Hook.) H. Buch ex Jorg. - Chirpoi Isl., northern slope of Chernogo Volcano (~46°3Г N - 150°52' E), in crevices of rocks, Nyushko # Chp-2-08 [Т.И. Нюшко] {LE}. The first record for Russian Far East.

Cryptocoleopsis imbricata Amakawa - Chirpoi Isl., northwestern slope of Snow Volcano, near steam and gas solfatara with temperature 60 °C (~46°30' N - 150°52' E), in wet crevices of rocks, Nyushko # Chp-3-08 [Т.Н. Нюшко] {LE}. Previously the species was known from the Northern Kuril Islands - Ketoi, Onkotan and Paramushir in Sakhalin Province (Bakalin & Cherdantseva, 2006; Nyushko & Potemkin, 2007; Nyushko, 2009).

Haplomitrium hookeri (Sm.) Nees - Iturup Island, on the way to Baranskogo Volcano from Kuril'sk (~45°08' N - 147°58' E), a peatbog with *Myrica tomentosa*, on damp soil, Nyushko # It-20-08 [Т.Н. Нюшко] {LE}. In the Russian Far East this species is known only from Kuril Islands - Rasshua (Nyushko, 2009) and Iturup.

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