

CHECK-LIST OF MOSSES OF THE FORMER USSR СПИСОК МХОВ ТЕРРИТОРИИ БЫВШЕГО СССР

Abstract

The list includes 59 families, 269 genera, 1172 species and 75 infraspecific taxa of mosses, those are known for the territory of the former USSR. Among these 44 species and 1 variety are considered as dubious. For the accepted species the distribution within the territory of the former USSR is indicated, 20 regional divisions are recognized. Synonyms and systematical arrangement are also provided.

This check-list is the result of collaboration among many bryologists from the territories comprising the former USSR. A preliminary database was compiled from the literature by E.A. Ignatova and M.S. Ignatov, and the latter also established the regional divisions. Subsequently, the records for each territory were verified by the following experts who also added some omitted or unpublished data, as well as many valuable comments:

ARC: O. M. Afonina and I. V. Chernyadjeva (EURO,WS), L.R. Kannukene and Afonina (ES), Afonina (BE);

EUR: Afonina, R. N. Schljakov and L. A. Volkova (NW), G. V. Zheleznova (NE), A.P. Dyachenko, Zheleznova (N-UR), Kannukene (B), O. M. Maslovskiy and G. F. Rykovskiy (BLR), Ignatov (C), L.Ya. Partyka and V.M. Virchenko (W), Partyka (K), A.N.Mordvinov (E), Dyachenko and Ignatova (S-UR);

CAUC: V. A. Manakyan;

SIB: L. V. Bardunov, Ignatova and Chernyadjeva (E), Bardunov, S.G.Kazanovskiy, Ignatov (S)

FAR EAST: V. Ya. Cherdantseva (S), Cherdantseva and Chernyadjeva (N);

MID AS: U. K. Mamatkulov.

Valuable comments on taxonomy of *Bryum* and *Drepanocladus* s.l. were done by Schljakov.

Then the database was completed and supplemented with the list of synonyms.

The final editing, including checking nomenclature, taxonomic decisions and synonymy, was done by Ignatov¹ and Afonina².

Настоящий список представляет собой результат совместной работы многих бриологов бывшего СССР. Предварительная база данных была составлена по литературным материалам Е.А. Игнатовой и М.С.Игнатовым, который также предложил районирование территории. Этот первоначальный вариант был проверен специалистами по отдельным регионам, которые также дополнили его новыми данными и дали свои комментарии:

ARC: О. М. Афонина и И. В. Чернядьева (EURO,WS), Л.Р. Каннукене и Афонина (ES), Афонина (BE);

EUR: Афонина, Р. Н. Шляков и Л. А. Волкова (NW), Г. В. Железнова (NE), Железнова, А. П. Дьяченко (N-UR), Каннукене (B), О.М.Масловский и Г.Ф.Рыковский (BLR), Игнатов (C), В. М. Вирченко и Л. Я. Партыка (W), Партыка (K), А. Н. Мордвинов (E), Дьяченко и Игнатова (S-UR);

CAUC: В. А. Манакян;

SIB: Л. В. Бардунов, Игнатов и С. Г. Казановский (S), Бардунов, Чернядьева, Игнатова (E);

FAR EAST: В. Я. Черданцева (S), Черданцева и Чернядьева (N);

MID AS: У. К. Маматкулов.

Существенные уточнения по таксономии *Bryum* и *Drepanocladus* s.l. были сделаны Шляковым.

После этих региональных дополнений в базу данных был включен список синонимов.

Окончательная редакция списка, включая проверку номенклатуры, синонимии и вопросы таксономии, принадлежит Игнатову¹ и Афоной².

¹ - Russia 127276 Moscow, Botanicheskaya, 4, Main Botanical Garden, Russian Acad. Sci.

Россия 127276, Москва, Ботаническая, 4, Главный ботанический сад РАН.

² - Russia 197376 St.-Peterburg, Prof. Popova, 2, Botanical Institute, Russian Acad. Sci.

Россия 197376 Санкт-Петербург, проф. Попова, 2, Ботанический институт РАН.

INTRODUCTION

A check-list of mosses for the whole territory of the former USSR has never been prepared, so it is natural that we have been faced with enormous problems. Regarding many problematic taxa, we felt that any attempt at resolution now would be premature, since many groups are in desperate need of revision. Particularly poorly known and putatively ill-defined species are marked with an "[?]", however, these are not numerous and this designation has been used mainly for species that are known from the type material only (for example, Philibert described 20 species of *Bryum* from the Terskey-Alatau Mountains in Middle Asia; it has been impossible to evaluate these, but specific rank for all of them seems improbable).

Familiar/ generic treatment is based principally on Brothaus' (1924-1925) system, but some newly established genera and ideas of classification (Vitt, 1984, Buck & Vitt, 1986, etc.) have been incorporated. Narrow generic conceptions are accepted. However, if another approach is preferred, the appropriate combination can easily be found because synonyms and accepted names are combined.

In respect to varietal/ subspecific status we are in agreement with the statement by Anderson & al. (1990) that there is no real difference between the two, and we have used only variety, except in a few cases where suitable combinations are lacking. The category of form is ignored.

In regard to the citation of authority names, many publications were consulted extensively and it is enormous task to mention all of them. Some recent check-lists were especially useful (Anderson & al., 1990; Corley & al., 1981, Ireland & al., 1987; Iwatsuki & Noguchi, 1973; Koponen & al., 1977), and many corrected names and ideas were compiled from them. Where indirect evidence of authorship is involved, we prefer to follow the Anderson & al.(1990) format of citation. This position seems more progressive and is the current practice with phanerogamic nomenclature. Concerning "Bryologia Europaea", however, we disagree in some details with Anderson & al.(1990) simplification of "Bruch et Schimp. in B.S.G." for volumes I-IV and "Schimp. in B.S.G." for vols. V-VI. According to the preface in vol.I, Bruch worked with Schimper on *Fontinalis*, *Dichelyma* and *Climacium*. Also, according the later Schimper publications (1855, 1860) it is clear that *Physcomitrella* was established by Schimper alone, while *Homalia* was done jointly by Bruch et Schimper. Unfortunately Schimper's papers are not correspond well with each other and so in some other instances where Bruch's participation may have been significant (for example, in *Hygrohypnum* and *Brachythecium*) we have left the citation as "Schimp. in B.S.G.". Guembel traditionally has been considered not to be a taxonomist, but according to Schimper (1855, 1860), he dealt with at least three taxa of Amblystegiaceae, including *Hypnum (Warnstorfia) exannulatum* Guemb. in B.S.G.; *Amblystegium (Campylium) polygamum* B.S.G.; *Amblystegium (Leptodictyum) curvipes* Guemb. et Schimp. in B.S.G.

The regional records are based on herbarium specimens or, in some instances on literature records, when we have been confident of their validity. In less certain cases, we tried to check specimens, and if it was not readily possible records were omitted (if there were serious doubts) or designated with a "?", which indicate that the record needs to be confirmed.

The regional divisions are based primarily on those in "Flora of the USSR" (1934-1960) and "Flora Europaea" (1964-1980), but some modifications have been made as follow: 1) if possible, administrative borders are used for the delimitation of regions, which facilitated the use of many regional data based on administrative units, especially in the European part of the former USSR; 2) we avoided dividing bryologically richer and more explored area. For this reason the Urals are treated as a unit jointed to Europe, rather than divided into European and Asiatic slopes, and the border between West and East Siberia has been shifted somewhat westward to follow the border of Tumen and Krasnojarsk Provinces (instead of Yenissej River)

THE REGIONAL DIVISIONS:

ARC - Arctic floristic province, as it is delimited by Yurtsev et al. (1978);

EURO - European Arctic, eastward up to Polar Ural Mountains, the Novaya Zemlya Island also belong to this subregion;

WS - West Siberian Arctic, from the foot of eastern slope of Polar Ural Mts. eastward to the administrative border of Tyumen and Krasnojarsk Provinces;

ES - East Siberian Arctic, eastward to the Magadan Province;

BE - Beringian Arctic (within the Magadan Province);

EUR - European part of the former USSR plus Asian slopes of Ural Mountains., excluding Arctic;

NW - North-West: Murmansk and St.-Petersburg (Leningrad) Provinces and Karelian Republic;

NE - North-East: Arkhangelsk Province and Komi Republic, excluding Ural Mountains;

N-UR - Northern Part of Ural Mountains within Komi Republic and Tyumen Province;

B - Baltic countries (republics): Estonia, Latvija, Litueva and also Kaliningrad Province;

BLR - Belorussia;

C - Central Russia (Pskov, Novgorod, Vologda, Kostroma, Tver (Kalinin), Smolensk, Moskva (Moscow), Vladimir, Yaroslavl, Ivanovo, Nizhnij Novgorod (Gorkiy), Kirov (Vyatka), Bryansk, Kaluga, Orel, Lipezk, Belgorod, Tula, Tambov, Ryazan, Kursk, Penza, Voronezh Provinces and Udmurtia, Tatarstan, Marijskaya, Mordovian and Chuvashian Republics;

W - West: Ukraine (Krym excluded) and Moldova;

K - Krym (Crymea) Peninsula;

E - East (or South-East) European Russia: Rostov-on-Don, Saratov, Volgograd, Astrakhan, Ulyanovsk and Samara (Kujbyshev) Provinces and Kalmykian Republic;

S-UR - Southern part of Ural: Perm, Czelyabinsk and Orenburg Provinces and Bashkirian Republic, and also part of Ekaterinburg (Sverdlovsk) Province within the range of Ural Mountains;

CAUC - Caucasus: Armenia, Azerbaijan, Georgia and Stavropol and Krasnodar Provinces;

SIB - Siberia: northward to Arctic floristic province, westward to the Ural Mountains, southward to the Kazakh Republic' border, eastward to the borders of Magadan, Khabarovsk and Amurskaya Provinces;

W - Western Siberia: Tyumen, Kurgan, Omsk, Tomsk and Novosibirsk Provinces, also including the lowland part of Ekaterinburg Province and excluding the part of Tyumen Province within the range of Ural Mountains;

E - Eastern Siberia: Krasnoyarsk Province (southern part excluded as explained under SIB:S), Yakutian Republic and northern part of Irkutsk Province (see note under SIB:S);

S - Southern Siberia: Altaiskij, Kemerovo and Chita Province, southern parts of Kraskoyarsk (northward to Angara River) and Irkutsk (northward to ca.57°N) Provinces and Tuva and Buryayat (Buryatskaya) Republics;

FAR EAST - Magadan, Khabarovsk, Primorskaya, Sahalienskaya, Kamchatskaya and Amurskaya Provinces;

N - Magadan, Kamchatskaya Provinces and northern part of Khabarovsk Province (southward to Uda River Basin);

S - Khabarovsk (southern part), Primorskaya, Amurskaya and Sahalienskaya Provinces;

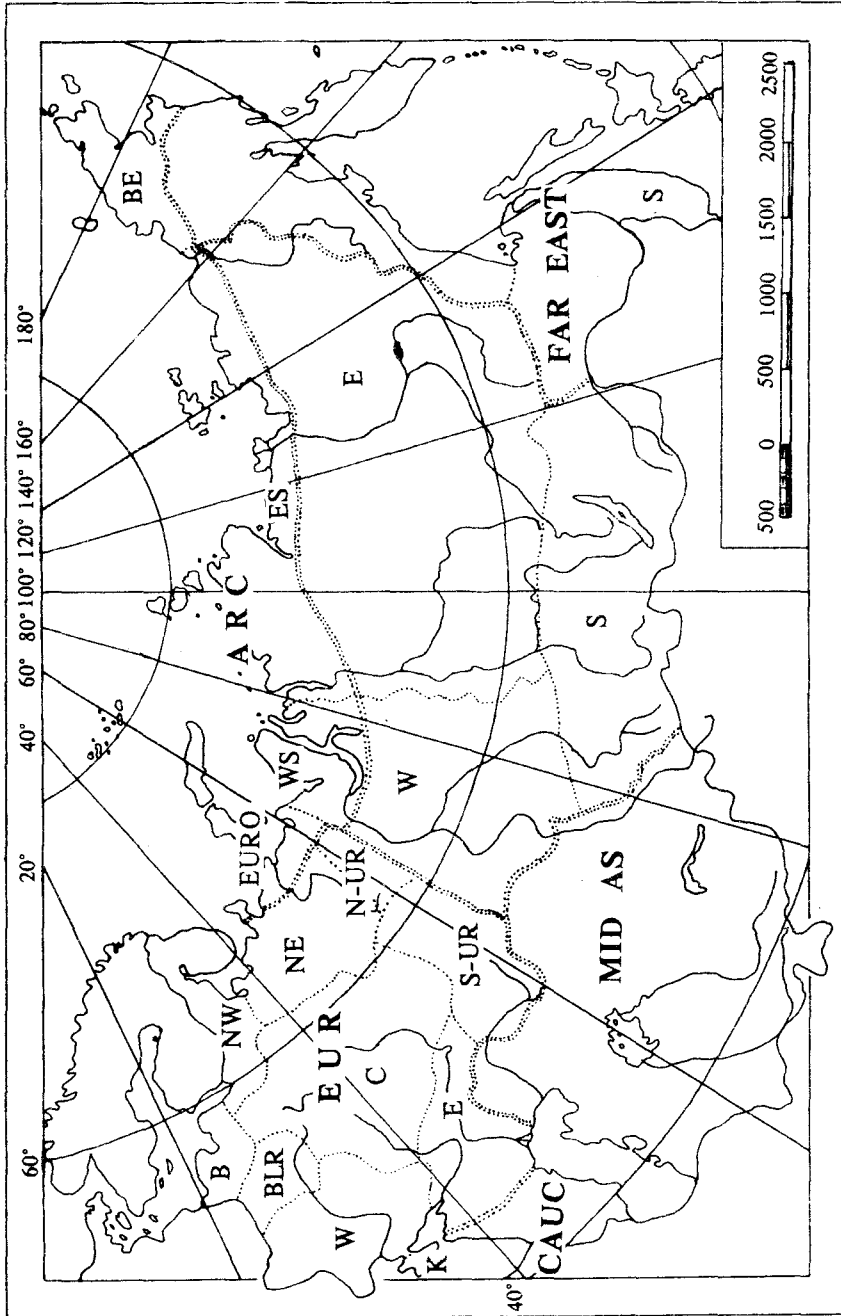
MID AS - Kazakhstan, Tadjikistan, Kirgizstan, Turkmanistan, Uzbekistan.

ВВЕДЕНИЕ

Для территории СССР в целом справочный список мхов ранее не составлялся и совершенно естественно поэтому, в данной работе мы столкнулись с множеством проблем. В отношении объема многих видов существуют разные точки зрения, но предпочтение той или иной отдать сейчас невозможно, поскольку изученность этих групп еще совершенно недостаточна. Принимая ту или иную трактовку мы, однако, старались всегда отразить в синонимике возможность и другого понимания таких таксонов. Только наиболее критические и, по-видимому, излишне описанные виды отмечены в списке [?] - эти случаи относятся преимущественно к видам, известным только по типовым коллекциям (например, Филибер описал с Терской-Алатау в Средней Азии около 20 видов *Bryum*; переизучить эти материалы в процессе подготовки настоящего списка было невозможно, но вместе с тем видовой статус всех этих видов очень сомнителен).

Семейства и роды трактуются в целом в соответствии с системой Бротеруса (Brotherus, 1924-25), но ряд описанных впоследствии родов, а также новейшие идеи по классификации семейств (Vitt, 1984, Buck & Vitt, 1986, и др.) также приняты во внимание. Узкое понимание родов представляется нам более предпочтительным. Однако бриологи, желающие сохранить традиционное широкое понимание таких родов как *Grimmia*, *Hylocomium*, *Drepanocladus* и др., смогут выбрать соответствующую комбинацию с выверенным цитированием авторов среди синонимов.

В отношении разновидностей и подвидов мы полностью разделяем точку зрения авторов североамериканского списка (Anderson & al., 1990) - на практике между ними нет разницы. Поэтому мы старались использовать только статус разновидности. В тех немногих случаях, однако, когда соответствующая комбинация отсутствует мы включали в список и подвиды. Категория формы опущена.



Районирование территории бывшего СССР.

Fig. 1. The regional divisions of the territory of the former USSR

Цитирование авторов таксонов основано на многих источниках, даже простое перечисление которых потребовало бы составления солидной библиографии. Особенно часто мы консультировались в недавно опубликованных справочных списках Северной Америки, Канады, Европы, Японии и др. (Anderson & al., 1990; Corley & al., 1981, Ireland & al., 1987; Iwatsuki & Noguchi, 1973; Koronen & al., 1977). Следуя североамериканским авторам мы даем полную номенклатурную цитату, в которую включены и непосредственные авторы описания и авторы публикации. Иногда из-за этого цитирование оказывается громоздким. Последнего, конечно, можно избежать принимая обычные упрощения ("A.. in B.." заменяя на "A..", а "C.. ex D.." - на "D.."). Удобные для неспециальной литературы, они, вместе с тем, не могут быть широко рекомендованы. Непрямое указание на авторство видов учитывается, поскольку этот принцип становится признанным в ботанической номенклатуре всех групп растений. В отношении цитирования "Bryologia Euroraea" мы однако в некоторых деталях расходимся с авторами североамериканского списка, предлагающими упрощенный вариант: Bruch et Schimp. in B.S.G. для I-IV томов; Schimp. in B.S.G. для V-VI томов. Как явствует и из введения, и из последующих работ Шимпера (Schimper, 1855, 1860) *Physcomitrella* была описана Шимпером одним, а *Homalia* и *Fontinalis* - Брухом и Шимпером вместе. Брух, очевидно, принимал участие и в обработке *Brachythecium* и *Hypoglyptum*, но в отношении этих родов указания Шимпера разноречивы и для них мы оставляем "Schimp. in B.S.G.". Гюмбель обычно не считается автором описаний вовсе, но согласно Шимперу (и многим авторам XIX века) имел отношение к описанию по крайней мере 3 видов: *Hypnum (Warnstorfia) exannulatum* Guemb. in B.S.G.; *Amblystegium (Campylium) polygamum* B.S.G.; *Amblystegium (Leptodictyum) curvipes* Guemb. et Schimp. in B.S.G.

Указания на распространение видов по регионам основано преимущественно на гербарных материалах, но иногда и на литературных данных, когда они не вызвали сомнений. В сомнительных случаях мы старались проверить образцы, а если этого не удавалось указания не учитывалось (если были серьезные основания сомневаться в правильности определений) или приведены со знаком ? (что означает - "указание нуждается в подтверждении").

Районирование базируется в целом на схемах, принятых во "Флоре СССР" (1934-1960) и "Flora Euroraea" (1964-1980). Некоторые изменения были предприняты в двух направлениях: 1) где возможно, мы старались использовать для разграничения флористических районов административные границы - несмотря на очевидное несоответствие, данный подход оправдан тем, что подавляющее большинство флористических данных (и содержание этикеток, и публикации) относятся к областям или республикам (особенно в европейской части б.СССР); 2) мы избегали проводить границы по местам повышенного видового разнообразия мхов. Поэтому а) европейские и азиатские склоны Урала рассматриваются нами вместе, в составе европейского района; б) граница между Западной и Восточной Сибирью смещена несколько к западу от долины Енисея и идет по границе Тюменской области и Красноярского края.

РАЙОНЫ

ARC - арктическая флористическая область в смысле Юрцева и др. (1978).

EURO - европейский сектор, проходящий на восток до Полярного Урала включительно, о. Новая Земля также относится к этому сектору;

WS - западносибирский сектор, на восток до границы Тюменской области и Красноярского края (несколько западнее Енисея);

ES - восточносибирский сектор, на восток до Магаданской области;

BE - Берингийский сектор (весь - в пределах Магаданской области);

EUR - европейская часть бывшего СССР, плюс Урал целиком, минус арктическая флористическая область и части Краснодарского и Ставропольского краев;

NW - северо-запад: Мурманская и Санкт-Петербургская (Ленинградская) области и Карелия;

NE - северо-восток: Архангельская область и республика Коми без территории Северного и Приполярного Урала;

N-UR - территория Приполярного Урала и Северного Урала в пределах республики Коми и Тюменской области;

B - государства Балтии (бывшие республики): Эстония, Латвия, Литва, а также Калининградская область;

BLR - Белоруссия;

C - центр Европейской России: Псковская, Новгородская, Вологодская, Костромская, Тверская (Калининская), Смоленская, Московская, Владимирская, Ярославская, Ивановская, Нижегородская (Горьковская), Кировская (Вятская), Брянская, Калужская, Орловская, Липецкая, Белгородская, Тульская, Тамбовская, Рязанская, Курская, Воронежская области и республики Удмуртия, Татарстан, Марийская, Мордовская, Чувашская;

W - запад: Украина (без Крыма), Молдова;

K - Крым;

E - восток (юго-восток) Европейской России: Ростовская, Саратовская, Волгоградская, Астраханская, Ульяновская и Самарская (Куйбышевская) области и Калмыкия;

S-UR - южная часть Урала: Пермская, Челябинская и Оренбургская области и Башкирия, а также часть Екатеринбургской (Свердловской) области в пределах Уральских гор;

SIB - Сибирь: на север до Арктики, на запад до Урала (граница пересекает территории Тюменской и Екатеринбургской областей), на юг до границы Казахстана, на восток до границ Магаданской и Амурской областей и Хабаровского края.

W - Западная Сибирь: Тюменская (часть ее в пределах Уральских гор отнесена к *EUR:N-UR*), Курганская, Омская, Томская и Новосибирская области, а также равнинная часть Екатеринбургской области;

E - Восточная Сибирь: Красноярский край (без южной части, которая отнесена к *SIB:S*), Якутия и север Иркутской области;

S - Южная Сибирь: Алтайский край, Кемеровская и Читинская области, а также юг Красноярского края (на север до р. Ангары), Тувинская и Бурятская республики и южная часть Иркутской области (южнее 57° с.ш.);

FAR EAST - Дальний Восток: Магаданская, Амурская, Сахалинская, Камчатская области, Приморский и Хабаровский края;

N - Магаданская и Камчатская области и север Хабаровского края (на юг до бассейна р. Уда);

S - Хабаровский (южная часть) и Приморский края, Амурская и Сахалинская области;

MID AS - Казахстан, Таджикистан, Киргизстан, Туркменистан, Узбекистан.

SYSTEMATICAL ARRANGEMENT

- | | |
|---|---|
| ORDER SPHAGNALES | <i>Ephemerum</i> Hampe, <i>nom. cons.</i> |
| 1. Sphagnaceae Dum. | 8. Funariaceae Schwaegr. <i>in Willd.</i> |
| <i>Sphagnum</i> Hedw. | <i>Entostodon</i> Schwaegr. |
| ORDER ANDREAEALES | <i>Funaria</i> Hedw. |
| 2. Andreaeaceae Dum. | <i>Physcomitrella</i> Schimp. <i>in B.S.G.</i> |
| <i>Andreaea</i> Hedw. | <i>Physcomitrium</i> (Brid.) Brid. |
| ORDER TETRAPHIDALES | <i>Pyramidula</i> Brid. |
| 3. Tetraphidaceae Schimp. | 9. Splachnaceae Grev. <i>et Arnott</i> |
| <i>Tetrodontium</i> Schwaegr. | <i>Aplodon</i> R.Br. |
| <i>Tetraphis</i> Hedw. | <i>Splachnum</i> Hedw. |
| ORDER POLYTRICHALES | <i>Tayloria</i> Hook. |
| 4. Polytrichaceae Schwaegr. <i>in Willd.</i> | <i>Tetraplodon</i> Bruch <i>et</i> Schimp. <i>in B.S.G.</i> |
| <i>Atrichum</i> P.Beauv., <i>nom. cons.</i> | <i>Voitia</i> Hornsch. |
| <i>Bartamiopsis</i> Kindb. | 10. Oedipodiaceae Schimp. |
| <i>Lyellia</i> R.Br. | <i>Oedipodium</i> Schwaegr. |
| <i>Oligotrichum</i> DC. <i>in Lam. et DC.</i> | ORDER BUXBAUMIALES |
| <i>Pogonatum</i> P.Beauv. | 11. Buxbaumiaceae Schwaegr. <i>in Willd.</i> |
| <i>Polytrichastrum</i> G.L.Sm. | <i>Buxbaumia</i> Hedw. |
| <i>Polytrichum</i> Hedw. | <i>Diphyscium</i> Mohr |
| <i>Psilopilum</i> Brid. | ORDER ENCALYPTALES |
| ORDER ARCHIDIALES | 12. Encalyptaceae Schimp. |
| 5. Archidiaceae Schimp. | <i>Bryobrittonia</i> Williams |
| <i>Archidium</i> Brid. | <i>Encalypta</i> Hedw. |
| ORDER FUNARIALES | ORDER POTTIALES |
| 6. Disceliaceae Schimp. | 13. Pottiaceae Schimp. |
| <i>Discelium</i> Brid. | <i>Acaulon</i> C.Muell. |
| 7. Ephemeraceae Schimp. | <i>Aloina</i> Kindb., <i>nom. cons.</i> |
| | <i>Anoetangium</i> Schwaegr., <i>nom. cons.</i> |

Astomum Hampe
Barbula Hedw., *nom. cons.*
Bryoerythrophyllum Chen
Crossidium Jur., *nom. cons.*
Crumia Schof.
Desmatodon Brid.
Didymodon Hedw.
Eucladium Bruch et Schimp. in B.S.G.
Geheebia Schimp.
Gymnostomum Nees et Hornsch. in
 Nees et al.
Gyroweisia Schimp., *nom. cons.*
Hilpertia Zander
Hydrogonium (C.Muell.) Jaeg.
Hymenostylium Brid.
Hyophila Brid.
Leptobarbula Schimp.
Leptodontium (C.Muell.) Hampe ex
 Lindb.
Molendoa Lindb. *nom. cons.*
Oxystegus (Limpr.) Hilp.
Phascum Hedw.
Pleurochaete Lindb.
Pleuroweisia Limpr.
Pottia (Reichenb.) Fuernr.
Pseudocrossidium Williams
Pterigoneurum Jur., *nom. cons.*
Scopelophila (Mitt.) Lindb.
Stegonia Vent.
Timmiella (De Not.) Limpr.
Tortella (Lindb.) Limpr., *nom. cons.*
Tortula Hedw., *nom. cons.*
Trichostomopsis Card.
Trichostomum Bruch, *nom. cons.*
Weissia Hedw.

14. Cinclidotaceae Schimp.

Cinclidotus P.Beauv.

ORDER GRIMMIALES

15. Grimmiaceae Arnott

Coscinodon Spreng.
Dryptodon Brid.
Grimmia Hedw.
Hydrogrimmia (Hag.) Loeske
Indusiella Broth. et C.Muell. in Broth.
Jaffueliobryum Ther.
Racomitrium Brid.
Schistidium Brid.
Scouleria Hook. in Drumm.

16. Ptychomitriaceae Schimp.

Campylostelium Bruch et Schimp. in
 B.S.G.
Glyphomitrium Brid.
Ptychomitrium Fuernr., *nom. cons.*

ORDER SELIGERIALES

17. Seligeriaceae Schimp.

Blindia Bruch et Schimp. in B.S.G.
Brachydontium Fuernr.
Seligeria Bruch et Schimp. in B.S.G.

ORDER FISSIDENTALES

18. Fissidentaceae Schimp.

Fissidens Hedw.

ORDER ORTHOTRICHALES

19. Orthotrichaceae Arnott

Amphidium Schimp., *nom. cons.*
Drummondia Hook. in Drumm., *nom.*
cons.
Macromitrium Brid.
Orthotrichum Hedw.
Ulota Mohr
Zygodon Hook. et Tayl.

ORDER DICRANALES

20. Ditrichaceae Limpr. in Rabenh.

Ceratodon Brid.
Distichium Bruch et Schimp. in
 B.S.G., *nom. cons.*
Ditrichum Hampe, *nom. cons.*
Pleuridium Rabenh., *nom. cons.*
Saelania Lindb.
Sporledera Hampe

21. Bryoxiphiaceae Besch.

Bryoxiphium Mitt., *nom. cons.*

22. Dicranaceae Schimp.

Aongstroemia Bruch et Schimp. in
 B.S.G.
Arctoa Bruch et Schimp. in B.S.G.
Atractylocarpus Mitt.
Brothera C.Muell.
Campylopus Brid.
Cnestrum Hag.
Cynodontium Bruch et Schimp. ex
 Schimp., *nom. cons.*
Dichodontium Schimp.
Dicranella (C.Muell.) Schimp.
Dicranodontium Bruch et Schimp. in
 B.S.G.
Dicranoweisia Lindb. ex Milde
Dicranum Hedw.
Kiaeria Hag.
Oncophorus (Brid.) Brid.

- Oreas* Brid.
Orthodicranum (Bruch et Schimp. in B.S.G.) Loeske
Paraleucobryum (Lindb.) Loeske
Pseudephemerum (Lindb.) Loeske
Rhabdoweisia Bruch et Schimp. in B.S.G.
Trematodon Michx.
23. Leucobryaceae Schimp.
Leucobryum Hampe
 ORDER SCHISTOSTEGALES
24. Schistostegaceae Schimp.
Schistostega Mohr
 ORDER BRYALES
25. Bryaceae Schwaegr. in Willd.
Anomobryum Schimp.
Brachymenium Schwaegr.
Bryum Hedw.
Epipterygium Lindb.
Leptobryum (Bruch et Schimp. in B.S.G.) Wils.
Mielichhoferia Nees et Hornsch. in Nees et al.
Orthodontium Schwaegr.
Orthodontopsis Ignatov et Tan
Plagiobryum Lindb.
Pohlia Hedw.
Rhodobryum (Schimp.) Hampe
26. Mniaceae Schwaegr. in Willd.
Cinclidium Sw. in Schrad.
Cyrtomnium Holm.
Mnium Hedw., *nom. cons.*
Plagiomnium T.Kop.
Pseudobryum (Kindb.) T.Kop.
Rhizomnium (Broth.) T.Kop.
Trachycystis Lindb.
27. Hypopterygiaceae Mitt.
Hypopterygium Brid.
28. Aulacomniaceae Schimp.
Aulacomnium Schwaegr., *nom. cons.*
29. Meesiaceae Schimp.
Amblyodon Bruch et Schimp. in B.S.G., *nom. cons.*
Meesia Hedw., *nom. cons.*
Paludella Brid.
30. Bartramiaceae Schwaegr. in Willd.
Anacolia Schimp., *nom. cons.*
Bartramia Hedw., *nom. cons.*
Catascopium Brid.
Conostomum Sw. in Web. et Mohr
Philonotis Brid.
Plagiopus Brid.
31. Timmiaceae Schimp.
Timmia Hedw., *nom. cons.*
 ORDER HOOKERIALES
32. Hookeriaceae Schimp.
Hookeria Sm., *nom. cons.*
 ORDER LEUCODONTALES
33. Fontinaliaceae Schimp.
Dichelyma Myr.
Fontinalis Hedw.
34. Climaciaceae Kindb.
Climacium Web. et Mohr
35. Hedwigiaceae Schimp.
Hedwigia P.Beauv., *nom. cons.*
36. Cryphaeaceae Schimp.
Cryphaea Web.
37. Leptodontaceae Schimp.
Forsstroemia Lindb.
Leptodon Mohr, *nom. cons.*
38. Leucodontaceae Schimp.
Antitrichia Brid.
Dozya Sande Lac. in Miq.
Leucodon Schwaegr.
39. Anomodontaceae Kindb.
Anomodon Hook. et Tayl.
Haplohymenium Dozy et Molk., *nom. cons.*
Herpetineuron (C.Muell.) Card.
Pterogonium Sm.
40. Meteoriaceae Kindb.
Dolichomitriopsis Okam.

41. Neckeraceae Schimp.

Homalia (Brid.) Bruch et Schimp. in B.S.G.
Homaliadelphus Dix. et P.Varde in Dix.
Metaneckera Steere
Neckera Hedw., nom. cons.

ORDER HYPNALES

42. Thamnobryaceae Marg. et During

Thamnobryum Nieuwl.

43. Pleuroziopsidaceae Irel.

Pleuroziopsis Kindb. ex Britt.

44. Fabroniaceae Schimp.

Anacamptodon Brid.
Fabronia Raddi

45. Myriniaceae Schimp.

Myrinia Schimp., nom. cons.
Schwetschkeopsis Broth.

46. Theliaceae (Broth.) Fleisch.

Fauriella Besch.
Myurella Schimp. in B.S.G.

47. Pterigynandraceae Schimp.

Pterigynandrum Hedw.

48. Leskeaceae Schimp.

Iwatsukiella Buch et Crum
Leptopterigynandrum C.Muell.
Lescuraea Schimp. in B.S.G.
Leskea Hedw.
Leskeella (Limpr.) Loeske
Lindbergia Kindb.
Mamillariella Lazar.
Okamuraea Broth.
Pseudoleskea Schimp. in B.S.G.
Pseudoleskeella Kindb.
Pseudoleskeopsis Broth.
Ptychodium Schimp.
Rigodiadelphus Dix.

49. Thuidiaceae Schimp.

Abietinella C.Muell.
Boulaya Card.
Bryohaplocladium Wat. et Iwats.
Claopodium (Lesq. et James) Ren. et Card.

Cyrto-hypnum (Hampe) Hampe et Lor. in Hampe
Heterocladium Schimp. in B.S.G.
Miyabea Broth.
Raiiella Reim.
Tl. idium Schimp. in B.S.G.

50. Helodiaceae (Fleisch.) Ochyra

Bryochenea Gao et Chang
Helodium Warnst.
Palustriella Ochyra

51. Cratoneuraceae Moenk. in Pascher

Cratoneuron (Sull.) Spruce

52. Amblystegiaceae G.Roth

Amblystegium Schimp. in B.S.G.
Callialaria Ochyra
Calliergon (Sull.) Kindb.
Calliergonella Loeske
Campylium (Sull.) Mitt.
Conardia Robins.
Drepanocladus (C.Muell.) G.Roth
Hamatocaulis Hedenaes
Hygroamblystegium Loeske, nom. cons.
Hygrohypnum Lindb.
Leptodictyum (Schimp.) Warnst.
Limprichtia Loeske
Loeskypnum Paul
Pseudocalliergon (Limpr.) Loeske
Sanionia Loeske
Sarmentypnum Tuom. et T.Kop.
Scorpidium (Schimp.) Loeske
Warnstorfia Loeske

53. Brachytheciaceae

Brachythecium Schimp. in B.S.G.
Bryhnia Kaur.
Camptothecium Schimp. in B.S.G.
Cirriphyllum Grout
Eurhynchium Schimp. in B.S.G.
Homalothecium Schimp. in B.S.G.
Isothecium Brid.
Myuroclada Besch.
Palamocladium C.Muell.
Pseudoscleropodium (Limpr.) Fleisch. in Broth.
Rhynchostegiella (Schimp. in B.S.G.) Limpr.
Rhynchostegium Schimp. in B.S.G.
Scleropodium Schimp. in B.S.G.
Scorpiurium Schimp.
Tomentypnum Loeske

54. Entodontaceae Kindb.

Entodon C.Muell.

55. *Plagiotheciaceae* (Broth.) Fleisch. *Platygyrium* Schimp in B.S.G., *nom. cons.*
Plagiothecium Schimp. in B.S.G. *Podperaea* Iwats. et Glime
Pseudotaxiphyllum Iwats.
56. *Sematophyllaceae* Broth. *Ptilium* De Not.
Brotherella Loeske ex Fleisch. *Pylaisiadelpha* Card.
Heterophyllum (Schimp.) C.Muell. ex Kindb. *Pylaisiella* Kindb.
Struckia C.Muell.
Taxiphyllum Fleisch.
Vesicularia (C.Muell.) C.Muell.
57. *Hypnaceae* Schimp. 58. *Hylocomiaceae* (Broth.) Fleisch.
Callicladium Crum *Actinothuidium* (Besch.) Broth.
Ctenidium (Schimp.) Mitt. *Hylocomiastrum* Fleisch. in Broth.
Eurohypnum Ando *Hylocomiopsis* Card.
Gollania Broth. *Hylocomium* Schimp. in B.S.G.
Herzogiella Broth. *Loeskeobryum* Fleisch. in Broth.
Homomallium (Schimp.) Loeske *Pleurozium* Mitt., *nom. cons.*
Hondaella Dix. et Sak. *Rhytidiadelphus* (Lindb. ex Limpr.)
Hyocomium Schimp. in B.S.G. Warnst.
Hypnum Hedw., *nom. cons.*
Isopterygiopsis Iwats.
Orthothecium Schimp. in B.S.G., *nom. cons.*
Platydictya Berk. 59. *Rhytidiaceae* Broth.
Rhytidium (Sull.) Kindb.

ALPHABETICAL LIST

A b i e t i n e l l a C.Muell (THUIDIACEAE)

- abietina* (Hedw.) Fleisch. *ARC:EURO,WS,ES,BE; EUR:NW,NE,N-UR,B,BLR,C,W,K,E,S-UR; CAUC; SIB:W,E,S; FAR EAST:N,S; MID AS;*
 - var. *hystricosa* (Mitt.) Sak. *EUR:B; CAUC; SIB:S;*
hystricosa (Mitt.) Broth. = *Abietinella abietina* var. *hystricosa*

A c a u l o n C.Muell. (POTTIACEAE)

- minus* (Hook. et Tayl.) C.Muell. = *Acaulon muticum*
muticum (Hedw.) C.Muell. *EUR:BLR,C?,W; SIB:S; MID AS;*
rubrum Grout = *Acaulon muticum*
triquetrum (Spruce) C.Muell. *EUR:BLR,W,E,S-UR; CAUC; MID AS;*

Acrocladium

- cuspidatum* (Hedw.) Lindb. = *Calliergonella cuspidata*

A c t i n o t h u i d i u m (Besch.) Broth. (HYLOCOMIACEAE)

- hookeri* (Mitt.) Broth. *FAR EAST:S;*

A l o i n a Kindb. (POTTIACEAE)

- aloides* (J.Koch ex Schultz) Kindb. *EUR:W; MID AS;*
 - var. *ambigua* (Bruch et Schimp. in B.S.G.) Craig in Grout = *Aloina ambigua*
ambigua (Bruch et Schimp. in B.S.G.) Limpr. *EUR:BLR,C,W; CAUC; MID AS;*
brevirostris (Hook. et Grev.) Kindb. *ARC:ES,BE; EUR:NE,B,W; SIB:E,S; FAR EAST:N; MID AS;*
ericaeifolia (Neck.) Kindb. = *Aloina ambigua*
rigida (Hedw.) Limpr. *EUR:NW,NE,B,BLR,C,W,E,S-UR; CAUC; SIB:S; MID AS;*
 - var. *ambigua* (Bruch et Schimp. in B.S.G.) Craig in Grout = *Aloina ambigua*
stellata (Schreb.) Herz. et Geh. = *Aloina rigida*

A m b l y o d o n Bruch et Schimp. in B.S.G. (MEESIACEAE)

dealbatus (Hedw.) Bruch et Schimp. in B.S.G. *ARC:BE; EUR:NW,NE,B,BLR,W; CAUC; SIB:S; MID AS;*

Amblystegiella

alpicola (Lindb. et H.Arnell) Broth. = *Isopterygiopsis alpicola*
confervoides (Brid.) Loeske = *Platydictya confervoides*
jungermannioides (Brid.) Giac. = *Platydictya jungermannioides*
sprucei (Bruch) Loeske = *Platydictya jungermannioides*
subtilis (Hedw.) Loeske = *Platydictya subtilis*

A m b l y s t e g i u m Schimp. in B.S.G. (AMBLYSTEGIAEAE)

boreale Dix. = *Cratoneuron filicinum*
compactum (C.Muell.) Aust. = *Conardia compacta*
elodes Lindb. = *Campylium elodes*
fluviatile (Hedw.) Schimp. in B.S.G. = *Hygroamblystegium fluviatile*
humile (P.Beauv.) Crundw. = *Leptodictyum humile*
irriguum (Hook. et Wils. ex Wils.) Schimp. in B.S.G. = *Hygroamblystegium tenax*
 - var. *spinifolium* Schimp. = *Hygroamblystegium tenax* var. *spinifolium*
juratzkanum Schimp. = *Amblystegium serpens* var. *juratzkanum*
kochii Schimp. in B.S.G. = *Leptodictyum humile*
polygamum Schimp. in B.S.G. = *Campylium polygamum*
radicale auct. non P.Beauv. = *Campylium polygamum*
radicale P.Beauv. = *Campylium radicale*
riparium (Hedw.) Schimp. in B.S.G. = *Leptodictyum riparium*
saxatile Schimp. = *Campylium radicale*
serpens (Hedw.) Schimp. in B.S.G. *ARC:EURO,ES; EUR:NW,NE,N-UR,B,BLR,C,W,K,E,S-UR; CAUC; SIB:W,E,S; FAR EAST:N,S; MID AS;*
 - var. *juratzkanum* (Schimp.) Rau et Herv. *ARC:ES,BE; EUR:NW,NE,N-UR,B,BLR,C,W,E,S-UR; CAUC; SIB:W,E,S; FAR EAST:S; MID AS;*
stellatum (Hedw.) Lindb. = *Campylium stellatum*
tenax (Hedw.) C.Jens. = *Hygroamblystegium tenax*
 - var. *spinifolium* (Schimp.) Crum et Anderson = *Hygroamblystegium tenax* var. *spinifolium*
trichopodium (Schultz) Hartm. = *Leptodictyum humile*
 - var. *curvipes* (Schimp. et Guemb. in B.S.G.) Broth. = *Leptodictyum humile*
 - var. *kochii* (Schimp. in B.S.G.) Lindb. = *Leptodictyum humile*
varium (Hedw.) Lindb. *ARC:EURO,ES,BE; EUR:NW,NE,N-UR,B,BLR,C,W,K,E,S-UR; CAUC; SIB:W,E,S; FAR EAST:N,S; MID AS;*

A m p h i d i u m Schimp. (ORTHOTRICHACEAE)

lapponicum (Hedw.) Schimp. *ARC:EURO,ES,BE; EUR:NW,N-UR,W; CAUC; SIB:W,E,S; FAR EAST:S; MID AS;*
mougeotii (Bruch et Schimp. in B.S.G.) Schimp. *ARC:EURO,BE; EUR:NW,N-UR,W; CAUC; SIB:W; FAR EAST:N; MID AS;*

A n a c a m p t o d o n Brid. (FABRONIACEAE)

latidens (Besch.) Broth. *SIB:S; FAR EAST:S;*
splachnoides (Froel. ex Brid.) Brid. *EUR:W; CAUC;*

A n a c o l i a Schimp. (BARTRAMIACEAE)

webbii (Mont.) Schimp. MID AS;

A n d r e a e a Hedw. (ANDREAEACEAE)

alpestris (Thed.) Schimp. ARC:EURO,ES,BE; EUR:NW,B,W; SIB:S;

amurensis Broth. = *Andreaea rupestris*

assimilis C.Muell. = *Andreaea rupestris* var. *papillosa*

blyttii Schimp. ARC:BE; EUR:NW;

compacta C.Muell. = *Andreaea rupestris* var. *papillosa*

crassinervia Bruch EUR:NW;

cuspidata C.Muell. = *Andreaea rupestris* var. *papillosa*

falcata Schimp. in B.S.G. = *Andreaea rothii*

fauriei Besch. = *Andreaea alpestris*

filiformis C.Muell. = *Andreaea alpestris*

hartmanii Thed. = *Andreaea obovata*

heinemannii Hampe et C.Muell. CAUC; SIB:S;

krauseana C.Muell. = *Andreaea obovata*

nivalis Hook. ARC:EURO; EUR:NW; FAR EAST:N;

obovata Thed. ARC:EURO,BE; EUR:NW,NE; SIB:S;

var. *thedenii* (Schimp.) C.Jens. = *Andreaea obovata*

patens C.Muell. = *Andreaea rupestris* var. *papillosa*

petrophila Ehrh. ex Fuernr. = *Andreaea rupestris*

planinervis Lindb. ex Roth = *Andreaea heinemannii*

rothii Web. et Mohr ARC:EURO; EUR:NW,S-UR?; CAUC;

var. *crassinervia* (Bruch) Moenk. = *Andreaea crassinervia*

rupestris Hedw. ARC:EURO,WS,ES,BE; EUR:NW,NE,N-UR,B,BLR,C,W,S-UR; CAUC;

SIB:W,E,S; FAR EAST:N,S; MID AS;

var. *acuminata* (Schimp. in B.S.G.) Sharp = *Andreaea rupestris* var. *papillosa*

var. *alpestris* (Thed.) Sharp in Grout = *Andreaea alpestris*

var. *papillosa* (Lindb.) Podp. ARC:EURO,WS,ES,BE; EUR:NW,NE,S-UR; SIB:W,S;

thedenii Schimp. = *Andreaea obovata*

Anisothecium

crispum (Hedw.) Lindb. = *Dicranella crispa*

grevilleanum (Brid.) H.Arnell et C.Jens. = *Dicranella grevilleana*

humile (Ruthe) Lindb. = *Dicranella humilis*

palustre (Dicks.) Hag. = *Dicranella palustris*

rigidulum (Hedw.) C.Jens. = *Dicranella humilis*

rubrum (Huds.) Lindb. = *Dicranella varia*

rufescens (Dicks.) Lindb. = *Dicranella rufescens*

schreberianum (Hedw.) Dix. = *Dicranella schreberiana*

squarrosum (Shrad.) Lindb. = *Dicranella palustris*

vaginale (Dicks.) Loeske = *Dicranella crispa*

varium (Hedw.) Mitt. = *Dicranella varia*

A n o e c t a n g i u m Schwaegr. (POTTIACEAE)

aestivum (Hedw.) Mitt. EUR:NW,NE,W; CAUC;

amurense Broth. = *Anoetangium thomsonii*

compactum Schwaegr. = *Anoetangium aestivum*

contortum Broth. FAR EAST:S;

euchloron (Schwaegr.) Mitt. = *Anoetangium aestivum*

handellii Schiffn. *EUR:K; SIB:S; MID AS;*
hornschuchianum (Hook.) Funck ex Hornsch. = *Molendoa hornschuchiana*
schliephackei (Schlieph.) Par. = *Pleuroweisia schliephackei*
sendtnerianum Bruch et Schimp. in B.S.G. = *Molendoa sendtneriana*
 - var. *tenuinerve* (Limpr.) Moenk. = *Molendoa tenuinervis*
tenuinerve (Limpr.) Par. = *Molendoa tenuinervis*
thomsonii Mitt. *FAR EAST:S;*

A n o m o b r y u m Schimp. (BRYACEAE)

concinatum (Spruce) Lindb. = *Anomobryum julaceum*
filiforme (Dicks.) Solms in Rabenh. = *Anomobryum julaceum*
julaceum (Gaertn. et al.) Schimp. *ARC:ES,BE; EUR:NW,W; CAUC; SIB:E,S; FAR EAST:S; MID AS;*

A n o m o d o n Hook. et Tayl. (ANOMODONTACEAE)

apiculatus Sull. in Gray = *Anomodon rugelii*
attenuatus (Hedw.) Hueb. *EUR:NW,B,BLR,C,W,K,E,S-UR; CAUC; SIB:S; MID AS;*
giraldii C.Muell. *FAR EAST:S;*
longifolius (Brid.) Hartm. *EUR:NW,NE,N-UR,B,BLR,C,W,K,E,S-UR; CAUC; SIB:S; FAR EAST:S;*
minor auct. non (Hedw.) Fuernr. = *Anomodon traustus*
minor (Hedw.) Fuernr.
 - ssp. *integerrimus* (Mitt.) Iwats. *SIB:S; FAR EAST:S;*
planatus Mitt. = *Anomodon minor* ssp. *integerrimum*
rostratus (Hedw.) Schimp. *CAUC;*
rugelii (C.Muell.) Keissl. *EUR:NW,B,W,S-UR; CAUC; SIB:S; FAR EAST:S;*
solvjovii Lazar. *FAR EAST:S;*
thraustus C.Muell. *SIB:S; FAR EAST:S;*
tristis (Cesati in De Not.) Sull. et Lesq. = *Haplohymenium triste*
viticulosus (Hedw.) Hook. et Tayl. *ARC:EURO; EUR:NW,NE,N-UR,B,BLR,C,W,K,S-UR; CAUC; SIB:S; FAR EAST:S?; MID AS;*

A n t i t r i c h i a Brid. (LEUCODONTACEAE)

curtipendula (Hedw.) Brid. *EUR:NW,B,BLR,W,K; CAUC;*

A o n g s t r o e m i a Bruch et Schimp. in B.S.G. (DICRANACEAE)

fuji-alpina (Tak.) Iwats. = *Aongstroemia julacea*
julacea (Hook.) Mitt. *SIB:S;*
longipes (Somm.) Bruch et Schimp. in B.S.G. *ARC:BE; EUR:NW,B; SIB:E;*
orientalis Mitt. *SIB:S;*

Aphanorrhagma

patens (Hedw.) Lindb. = *Physcomitrella patens*

A p l o d o n R.Br. (SPLACHNACEAE)

wormskjoldii (Hornem.) Kindb. *ARC:EURO,WS,ES,BE; EUR:NW,B; SIB:E; FAR EAST:N;*

A r c h i d i u m Brid. (ARCHIDIACEAE)

alternifolium (Hedw.) Schimp. *EUR:NW,B; FAR EAST:S;*
phascoides Brid. = *Archidium alternifolium*

A r c t o a Bruch et Schimp. in B.S.G. (DICRANACEAE)

- anderssonii* Wich. *ARC:ES*;
blyttii (Schimp.) Loeske = *Kiaeria blyttii*
falcata (Hedw.) Loeske = *Kiaeria falcata*
fulvella (Dicks.) Bruch et Schimp. in B.S.G. *ARC:EURO,BE; EUR:NW,NE,W;*
SIB:E,S; FAR EAST:N;
 - var. *anderssonii* (Wich.) Grout = *Arctoa anderssonii*
starkei (Web. et Mohr) Loeske = *Kiaeria starkei*

Arrhenopterum

- heterostichum* Hedw. = *Aulacomnium heterostichum*

A s t o m u m Hampe (POTTIACEAE)

- crispum* (Hedw.) Hampe *EUR:NW,C,W,K,S-UR; CAUC; FAR EAST:S*;
 - var. *philibertii* (Husn.) Wijk et Marg. = *Astomum levieri*
levieri (Limpr.) Kindb. *EUR:W?,K?; CAUC*;
multicapsulare (Sm.) Bruch et Schimp. in B.S.G. - excluded
palustre Hampe = *Sporledera palustris*
tonkinense Broth. = *Astomum crispum*

A t r a c t y l o c a r p u s Mitt. (DICRANACEAE)

- alpinus* (Schimp. ex Milde) Lindb. *FAR EAST:S?*;

A t r i c h u m P.Beauv. (POLYTRICHACEAE)

- angustatum* (Brid.) Bruch et Schimp. in B.S.G. *EUR:B,BLR,C,W; CAUC*;
anomalum Milde = *Polytrichum longisetum* var. *anomalum*
fertile Nawasch. = *Atrichum flavisetum*
flavisetum Mitt. *EUR:NW,B,BLR,C,W,E,S-UR; CAUC; SIB:W,E,S; FAR EAST:S; MID*
AS;
haussknechtii Jur. et Milde = *Atrichum flavisetum*
laevifolium (Lindb. et H.Arnell) Par. = *Atrichum flavisetum*
lescurii James = *Bartramiopsis lescurii*
parallelum Mitt. = *Oligotrichum parallelum*
rhytophyllum (C.Muell.) Par. *FAR EAST:S*;
tenellum (Rohl.) Bruch et Schimp. in B.S.G. *EUR:NW,NE,N-UR,B,BLR,C,W,E,S-UR*;
SIB:W,E,S; FAR EAST:S;
undulatum (Hedw.) P.Beauv. *EUR:NW,NE,N-UR,B,BLR,C,W,K,E,S-UR; CAUC*;
SIB:W,S; FAR EAST:S; MID AS;
 - var. *haussknechtii* (Jur. et Milde) Frye in Grout = *Atrichum flavisetum*
 - var. *gracilisetum* Besch. = *Atrichum flavisetum*
xanthopodium (Card.) Mizush. = *Atrichum flavisetum*

A u l a c o m n i u m Schwaegr. (AULACOMNIACEAE)

- acuminatum* (Lindb. et H.Arnell) Kindb. *ARC:ES,BE; SIB:E,S; FAR EAST:N*;
androgynum (Hedw.) Schwaegr. *EUR:NW,B,BLR,C,W,K; CAUC*;
heterostichum (Hedw.) Bruch et Schimp. in B.S.G. *FAR EAST:S*;
palustre (Hedw.) Schwaegr. *ARC:EURO,WS,ES,BE; EUR:NW,NE,N-UR,B,BLR,C,W,E,S-*
UR; CAUC; SIB:W,E,S; FAR EAST:N,S; MID AS;
 - var. *imbricatum* Bruch et Schimp. in B.S.G. = *Aulacomnium palustre*
turgidum (Wahlenb.) Schwaegr. *ARC:EURO,WS,ES,BE; EUR:NW,NE,N-UR,S-UR*;
CAUC; SIB:W,E,S; FAR EAST:N,S;

Barbella

minuta Lazar. = *Amblystegium serpens*

Barbula Hedw. (POTIACEAE)

- acuta* (Brid.) Brid. = *Didymodon acutus*
 - var. *icmadophila* (Schimp. ex C.Muell.) Crum = *Didymodon icmadophilus*
amplexifolia (Mitt.) Jaeg. SIB:S;
andreaeoides Kindb. = *Didymodon subandreaeoides*
asperifolia Mitt. = *Didymodon asperifolius*
botelligera Moenk. = *Bryoerythrophyllum ferruginascens*
brevifolia Lindb. = *Didymodon tophaceus*
bruchiana Hampe = *Tortula canescens*
chloronotos (Brid.) Brid. = *Crossidium squamiferum*
convoluta Hedw. ARC:ES; EUR:NW,NE,B,BLR,C,W,E,K; CAUC; SIB:E,S; FAR EAST:S; MID AS;
cordata (Jur.) Braithw. = *Didymodon cordatus*
crocea (Brid.) Web. et Mohr EUR:W;
cylindrica (Tayl.) Schimp. = *Didymodon vinealis* var. *flaccida*
decurrens Lazar. = *Didymodon tophaceus*
ehrenbergii (Lor.) Fleisch. = *Hydrogonium ehrenbergii*
enderesii Garov. EUR:W; CAUC; MID AS;
excurrens Broth. = *Didymodon tophaceus* var. *excurrens*
fallax Hedw. = *Didymodon fallax*
 - var. *recurvifolia* (Wils.) Husn. = *Didymodon fallax* var. *reflexus*
ferruginascens Stirt. = *Bryoerythrophyllum ferruginascens*
flavipes Bruch et Schimp. in B.S.G. = *Barbula enderesii*
gigantea Funck = *Geheebia gigantea*
gracilis Schwaegr. = *Didymodon acutus*
hornschuchana Schultz = *Pseudocrossidium hornschuchianum*
icmadophila Schimp. ex C.Muell. = *Didymodon icmadophilus*
inaequalifolia Tayl. = *Bryoerythrophyllum inaequalifolium*
incrassata Lindb. ex Broth. = *Didymodon incrassatus*
johansenii Williams = *Didymodon johansenii*
latifolia Broth. = *Hydrogonium ehrenbergii*
marginata Bruch et Schimp. in B.S.G. = *Tortula marginata*
muelleri Bruch et Schimp. in B.S.G. = *Tortula princeps*
perobtusa (Broth.) Chen = *Didymodon perobtus*
recurvifolia Schimp. = *Didymodon fallax* var. *reflexus*
recurvirostris (Hedw.) Dix. = *Bryoerythrophyllum recurvirostre*
reflexa (Brid.) Brid. = *Didymodon fallax* var. *reflexus*
revoluta Brid. in Schrad. = *Pseudocrossidium revolutum*
rigidula (Hedw.) Mitt. = *Didymodon rigidulus*
rotundata Lindb. et H.Arnell = *Bryoerythrophyllum rotundatum*
sinuosa (Mitt.) Garov. = *Didymodon sinuosus*
spadicea (Mitt.) Braithw. = *Didymodon spadiceus*
strictifolia Dix. in Lazar. = *Didymodon cordatus*
tophacea (Brid.) Mitt. = *Didymodon tophaceus*
trifaria (Hedw.) Mitt. = *Didymodon vinealis* var. *luridus*
unguiculata Hedw. ARC:ES; EUR:NW,NE,N-UR,B,BLR,C,W,K,E,S-UR; CAUC; SIB:W,E,S; FAR EAST:S; MID AS;
vinealis Brid. = *Didymodon vinealis*

Bartramia Hedw. (BARTRAMIACEAE)*crispa* Brid. = *Bartramia pomiformis**deciduaefolia* Broth. et Yas. = *Bartramia ithyphylla***halleriana** Hedw. *ARC:EURO,NW,W,K; CAUC; MID AS;***ithyphylla** Brid. *ARC:EURO,WS,ES,BE; EUR:NW,NE,N-UR,B,W,S-UR; CAUC;**SIB:W,E,S; FAR EAST:N,S; MID AS;*- var. *breviseta* (Lindb.) Kindb. = *Bartramia ithyphylla*- var. *strigosa* (Wahlenb.) Hartm. = *Bartramia ithyphylla**krauseana* C.Muell. = *Bartramia subulata**micro-subulata* C.Muell. = *Bartramia subulata**norvegica* Lindb. = *Bartramia halleriana**oederi* Brid. = *Plagiopus oederiana***pomiformis** Hedw. *ARC:EURO,WS,ES,BE; EUR:NW,N-UR,B,BLR,C,W,K,S-UR; CAUC;**SIB:W,E,S; FAR EAST:N,S; MID AS;*- var. *crispa* (Brid.) Bruch et Schimp. in B.S.G. = *Bartramia pomiformis*- var. *elongata* Turn. = *Bartramia pomiformis*- var. *strigosa* Wahlenb. = *Bartramia ithyphylla***stricta** Brid. *CAUC;***subulata** Bruch et Schimp. in B.S.G. *ARC:EURO,BE; SIB:E,S;**viridissima* (Brid.) Kindb. = *Bartramia subulata***Bartramiopsis** Kindb. (POLYTRICHACEAE)**lescurii** (James) Kindb. *FAR EAST:N,S;***Blindia** Bruch et Schimp. in B.S.G. (SELIGERACEAE)**acuta** (Hedw.) Bruch et Schimp. in B.S.G. *ARC:EURO,ES,BE; EUR:NW,NE?,W,S-UR;**CAUC; SIB:W,S; FAR EAST:N;*- var. *arenacea* Mol. = *Blindia acuta***polaris** (Berggr.) Hag. = *Seligeria polaris***seligerioides** Lindb. = *Blindia acuta***Boulaya** Card. (THUIDIACEAE)**mittenii** (Broth.) Card. *FAR EAST:S;***Brachydontium** Fuernr. (SELIGERACEAE)**trichoides** (Web.) Milde *EUR:N-UR,W; CAUC;***Brachymenium** Schwaegr. (BRYACEAE)**clavulum** Mitt. = *Brachythecium nepalense* var. *clavulum***exiloides** Bardunov et Czerdantseva, nom.nud. *FAR EAST:S;***nepalense** Hook. in Schwaegr.- var. *clavulum* (Mitt.) Ochi *FAR EAST:S;***sapozhnikovii** Podp. = *Brachymenium nepalense* var. *clavatum***Brachythecium** Schimp. in B.S.G. (BRACHYTHECIACEAE)**abacanense** Kaal. = *Brachythecium buchananii***albicans** (Hedw.) Schimp. in B.S.G. *ARC:EURO,WS,ES,BE; EUR:NW,NE,N-**UR,B,BLR,C,W,K,E,S-UR; CAUC; SIB:W,E,S; FAR EAST:N; MID AS;*- var. *groenlandicum* (C.Jens.) Broth. = *Brachythecium coruscum***bryhnii** Kindb. = *Brachythecium collinum***buchananii** (Hook.) Jaeg. *SIB:S; FAR EAST:S;*

- campestre* (C.Muell.) Schimp. in B.S.G. ARC:EURO,WS,BE; EUR:NW,NE,N-UR,B,BLR,C,W,K,E,S-UR; CAUC; SIB:S; FAR EAST:S; MID AS;
- capillaceum* (Web. et Mohr) Giac. = *Brachythecium salebrosum* var. *capillaceum*
- collinum* (Schleich. ex C.Muell.) Schimp. in B.S.G. ARC:ES; CAUC; SIB:S; MID AS;
- condensatum* (Schimp. in B.S.G.) Loeske et Herz. = *Brachythecium velutinum*
- coruscum* Hag. ARC:BE; EUR:NW;
- curtum* (Lindb.) J.Lange et C.Jens. = *Brachythecium oedipodium*
- dovrense* (Limpr.) Schljak. ARC:BE; EUR:NW; SIB:S;
- erythrorrhizon* Schimp. in B.S.G. ARC:EURO,WS,ES,BE; EUR:NW,NE,N-UR,B,S-UR; SIB:W,E,S; FAR EAST:N; MID AS;
- var. *uralense* (Gorodkov) Podp. = *Brachythecium erythrorrhizon*
- var. *validius* Moenk. = *Brachythecium erythrorrhizon*
- fendleri* (Sull.) Jaeg. MID AS;
- geheebii* Milde EUR:W,S-UR; CAUC; MID AS;
- glaciale* Schimp. in B.S.G. ARC:EURO,ES,BE; EUR:NW,NE; CAUC; SIB:W,S; MID AS;
- var. *dovrense* Limpr. = *Brachythecium dovrense*
- glareosum* (Spruce) Schimp. in B.S.G. EUR:NW,NE,B,BLR,C,W,K,E; CAUC; SIB:E,S;
- groenlandicum* (C.Jens.) Schljak. = *Brachythecium coruscum*
- jeniseense* (Lindb. et H.Arnell) Par. = *Brachythecium starkei*
- kuroishicum* Besch. FAR EAST:S;
- laetum* (Dewey ex Brid.) Schimp. in B.S.G. = *Brachythecium oxycladum*
- latifolium* Kindb. ARC:EURO,WS,BE; EUR:NW,NE,N-UR,S-UR; SIB:S,E; FAR EAST:N;
- mildeanum* (Schimp.) Schimp. ex Milde ARC:EURO,WS,ES,BE; EUR:NW,NE,N-UR,B,BLR,C,W,K,E,S-UR; CAUC; SIB:W,E,S; FAR EAST:N,S; MID AS;
- var. *udum* (Hag.) Moenk. = *Brachythecium udum*
- nelsonii* Grout = *Brachythecium latifolium*
- oedipodium* (Mitt.) Jaeg. ARC:ES?; EUR:NW,NE,N-UR,B,BLR,C,W,E,S-UR; SIB:W,E,S;
- oxycladum* (Brid.) Jaeg. EUR:W?; CAUC? MID AS?;
- plumosum* (Hedw.) Schimp. in B.S.G. ARC:ES,BE; EUR:NW,NE,B,C,W,E,S-UR; CAUC; SIB:E,S; FAR EAST:S; MID AS;
- populeum* (Hedw.) Schimp. in B.S.G. ARC:EURO; EUR:NW,NE,N-UR,B,BLR,C,W,K,E,S-UR; CAUC; SIB:E,S; FAR EAST:N,S; MID AS;
- reflexum* (Starke in Web. et Mohr) Schimp. in B.S.G. ARC:EURO,WS,BE; EUR:NW,NE,N-UR,B,BLR,C,W,E,S-UR; CAUC; SIB:W,E,S; FAR EAST:N,S; MID AS;
- rivulare* Schimp. in B.S.G. ARC:EURO,ES; EUR:NW,NE,N-UR,B,BLR,C,W,K,E,S-UR; CAUC; SIB:W,E,S; FAR EAST:N,S; MID AS;
- rotheanum* De Not. = *Brachythecium salebrosum* var. *capillaceum*
- rutabulum* (Hedw.) Schimp. in B.S.G. EUR:NW,NE,B,BLR,C,W,K,E,S-UR; CAUC; SIB:E,S; FAR EAST:S; MID AS;
- salebrosum* (Web. et Mohr) Schimp. in B.S.G. ARC:EURO,WS,ES,BE; EUR:NW,NE,N-UR,B,BLR,C,W,K,E,S-UR; CAUC; SIB:W,E,S; FAR EAST:N,S; MID AS;
- var. *capillaceum* (Starke) Moenk. CAUC;
- var. *palustre* Schimp. = *Brachythecium mildeanum*
- salicinum* Schimp. in B.S.G. = *Brachythecium velutinum*
- sibiricum* Podp. = *Okamuraea brachydyction*
- starkei* (Brid.) Schimp. in B.S.G. ARC:EURO,BE; EUR:NW,NE,N-UR,B,BLR,C,W,E,S-UR; CAUC; SIB:W,E,S; FAR EAST:N,S; MID AS;
- var. *explanatum* (Brid.) Moenk. = *Brachythecium oedipodium*
- thedenii* (Hartm.) Schimp. in B.S.G. = *Brachythecium erythrorrhizon*

- trachypodium* (Brid.) Schimp. in B.S.G. ARC:ES,BE; EUR:NW; CAUC; FAR EAST:N,S; MID AS;
turgidum (Hartm.) Kindb. ARC:EURO,WS,ES,BE; EUR:NW,NE,B?; SIB:E,S; MID AS;
udum (Hag.) Hag. ARC:EURO,WS,ES,BE; EUR:NW,NE; SIB:E;
velutinum (Hedw.) Schimp. in B.S.G. ARC:EURO,BE; EUR:NW,NE,N-UR,B,BLR,C,W,K,E,S-UR; CAUC; SIB:W,E,S; FAR EAST:S; MID AS;
 - var. *condensatum* Schimp. in B.S.G. = *Brachythecium velutinum*
wichurae (Broth.) Par. SIB:S;

Breidleria

- arcuata* (Mol.) Loeske = *Hypnum lindbergii*
pratensis (Rabenh.) Loeske = *Hypnum pratense*

B r o t h e r a C. Muell. (DICRANACEAE)

- leana* (Sull.) C. Muell. SIB:S; FAR EAST:S;

B r o t h e r e l l a Loeske ex Fleisch. (SEMATOPHYLLACEAE)

- henonii* (Duby) Fleisch. FAR EAST:S;
tenuirostris (Bruch et Schimp. ex Sull.) Broth. = *Pylaisiadelphina tenuirostris*
yokohamae (Broth.) Broth. = *Pylaisiadelphina tenuirostris*

Bruchia

- palustris* (Bruch et Schimp.) C. Muell. = *Sporledera palustris*

B r y h n i a Kaur. (BRACHYTHECIACEAE)

- brachycladula* Card. SIB:S; FAR EAST:N,S;
hultenii Bartr. in Grout FAR EAST:N,S;
noesica (Besch.) Broth. FAR EAST:S;
novae-angliae (Sull. et Lesq. in Sull.) Grout SIB:W?; FAR EAST:N,S;
pacifica Podp. = *Bryhnia novae-angliae*
ussuriensis Broth. = *Okamuraea brachydyction*

B r y o b r i t t o n i a Williams (ENCALYPTACEAE)

- longipes* (Mitt.) Horton ARC:ES,BE; EUR:N-UR,C; SIB:E,S; MID AS;
pellucida Williams = *Bryobrittonia longipes*

B r y o c h e n e a Gao et Chang (HELODIACEAE)

- sachalinensis* (Lindb.) Gao et Chang FAR EAST:N,S;

B r y o e r y t h r o p h y l l u m Chen (POTTIACEAE)

- alpigenum* (Vent.) Chen ARC:BE; EUR:W; SIB:S; MID AS;
ferruginascens (Stirt.) Giac. ARC:WS;
inaequalifolium (Tayl.) Zander SIB:S;
recurvirostre (Hedw.) Chen ARC:EURO,WS,ES,BE; EUR:NW,NE,N-UR,B,BLR,C,W,K,E,S-UR; CAUC; SIB:W,E,S; FAR EAST:N,S; MID AS;
 - var. *brevifolium* (Lindb. et H. Arnell) Podp. ARC:ES,BE;
 - var. *dentatum* (Schimp.) Crum et al. = *Bryoerythrophyllum alpigenum*
rotundatum (Lindb. et H. Arnell) Kindb. ARC:ES; MID AS;
rubrum (Jur. ex Geh.) Chen ARC:ES; CAUC?;

Bryohaplodium Wat. et Iwats. (THUIDIACEAE)

- angustifolium* (Hampe et C.Muell. in C.Muell.) Wat. et Iwats. *SIB:S; FAR EAST:S;*
EAST:S;
microphyllum (Hedw.) Wat. et Iwats. *EUR:BLR,C,W,S-UR; SIB:W,S; FAR EAST:S;*
strictulum (Card.) Wat. et Iwats. *FAR EAST:S;*
virginianum (Brid.) Wat. et Iwats. *CAUC;*

Bryonoguchia

- molkenboeri* (Sande Lac.) Iwats. et Inoue = *Thuidium molkenboeri*

Bryoxiphium Mitt. (BRYOXIPHIACEAE)

- norvegicum* (Brid.) Mitt. *ARC:BE; FAR EAST:N;*
 - var. *japonicum* (Berggr.) A.Loeve et D.Loeve *FAR EAST:S;*
satieri (Husn.) Mitt. = *Bryoxiphium norvegicum* var. *japonicum*

Bryum Hedw. (BRYACEAE)

- acutiforme* Limpr. in Hag. = *Bryum axel-blyttii*
acutum Lindb. = *Bryum axel-blyttii*
 - var. *integrifolium* Roth = *Bryum axel-blyttii*
aeneum Blytt ex B.S.G. = *Bryum rutilans*
affine Lindb. et H.Arnell = *Bryum creberrimum*
alandicum Bomanss. = *Bryum pallescens*
alexandri Philib. [?] *MID AS;*
algovicum Sendtn. ex C.Muell. *ARC:EURO,ES,BE; EUR:NW,NE,B,BLR,C,W,K,E,S-UR;*
CAUC; SIB:W,S; FAR EAST:S; MID AS;
alpinum Huds. ex With. *EUR:W,K; CAUC; SIB:S; MID AS;*
 - var. *mildeanum* (Jur.) Podp. = *Bryum mildeanum*
altaicum Broth. [?] *SIB:S;*
amblyodon C.Muell. = *Bryum imbricatum*
amblyphyllum Philib. [?] *MID AS;*
angustirete Kindb. in Macoun = *Bryum algovicum*
apiculatum Schwaegr. = *Bryum mildeanum*
archangelicum Bruch et Schimp. in B.S.G. *ARC:EURO,ES; EUR:NW,NE,N-UR,B,C?;*
SIB:W?,E,S;
arcticum (R.Br.) Bruch et Schimp. in B.S.G. *ARC:EURO,ES,BE; EUR:NW,N-UR,B;*
SIB:E,S; FAR EAST:S; MID AS;
 - var. *kungeanum* Philib. [?] *MID AS;*
arcuatum Limpr. = *Bryum arcticum*
ardonense Breidl. = *Bryum algovicum*
arenarium C.Muell. = *Bryum pallescens*
argenteum Hedw. *ARC:EURO,WS,ES,BE; EUR:NW,NE,N-UR,B,BLR,C,W,K,E,S-UR;*
CAUC; SIB:W,E,S; FAR EAST:N,S; MID AS;
 - ssp. *veronense* (De Not.) Amann = *Bryum veronense*
 - var. *lanatum* (P.Beauv.) Hampe = *Bryum argenteum*
argyroglyphodon Philib. [?] *MID AS;*
atropurpureum Bruch et Schimp. in B.S.G. = *Bryum dichotomum*
axel-blyttii Kaur. ex Philib. *ARC:ES; EUR:NW; SIB:W,E;*
axillare Philib. [?] *MID AS;*
badium (Brid.) Schimp. = *Bryum caespiticium* var. *badium*
bicolor Dicks. = *Bryum dichotomum*
bimum (Brid.) Turn. = *Bryum pseudotriquetrum* var. *bimum*

- blindii* Bruch et Schimp. in B.S.G. *EUR:B; SIB:S; MID AS;*
 - var. *oblongum* (Lindb.) Kindb. = *Bryum oblongum*
boreale Funck = *Bryum pallescens*
brownii Bruch et Schimp. in B.S.G. = *Bryum arcticum*
 - var. *terskeanum* Philib. = *Bryum arcticum*
bryoides (R.Br.) Wijk et Marg. = *Bryum arcticum*
bulbifolium Lindb. = *Bryum pallescens*
caespiticium Hedw. *ARC:EURO,WS,ES,BE; EUR:NW,NE,N-UR,B,BLR,C,W,K,E,S-UR;*
CAUC; SIB:W,E,S; FAR EAST:N,S; MID AS;
 - var. *badium* Brid. *EUR:B,BLR,C,W,K,E,S-UR; CAUC; SIB:S;*
 - var. *culmannii* (Limpr.) Duell = *Bryum culmannii*
 - var. *kunzei* (Hornsch.) Giac. = *Bryum kunzei*
calcicola H.Arnell [?] *SIB:E;*
calobolax C.Muell. = *Bryum teres*
calophyllum R.Br. *ARC:EURO,WS,ES,BE; EUR:NW,B; SIB:S; MID AS;*
 - var. *procerum* Lindb. et H.Arnell = *Bryum calophyllum*
capillare Hedw. *ARC:EURO?; EUR:NW,NE,B,BLR,C,W,K,E,S-UR; CAUC; SIB:W,S; FAR*
EAST:N,S; MID AS;
 - var. *elegans* (Nees ex Brid.) Lindb. = *Bryum elegans*
 - var. *flaccidum* (Brid.) Bruch et Schimp. in B.S.G. = *Bryum subelegans*
 - var. *torquescens* (Bruch et Schimp. in B.S.G.) Husn. = *Bryum torquescens*
cernuum (Hedw.) Bruch et Schimp. in B.S.G. = *Bryum uliginosum*
chibinense Schljak. = *Bryum stirtonii*
cirrhatum Hoppe et Hornsch. ex Hornsch. = *Bryum pallescens*
comense Schimp. *EUR:B; CAUC;*
compactum (Hornsch.) Kindb. = *Bryum algovicum*
congestiflorum Philib. [?] *MID AS;*
contextum Hoppe et Hornsch. ex Hornsch. = *Bryum pallescens*
crassimucronatum Philib. [?] *MID AS;*
creberrimum Tayl. *ARC:EURO,ES,BE; EUR:NW,NE,N-UR,B,BLR,C,W,K,E,S-UR; CAUC;*
SIB:W,E,S; FAR EAST:S; MID AS;
cremocarpum Lazar. *MID AS;*
crispulum Hampe = *Bryum pseudotriquetrum*
cryophilum O.Mart. *ARC:EURO,WS,ES,BE; EUR:NW; CAUC; SIB:S; FAR EAST:N,S;*
culmannii Limpr. *EUR:NW;*
cuspidatum Bruch et Schimp. in B.S.G. = *Bryum creberrimum*
cyclophyllum (Schwaegr.) Bruch et Schimp. in B.S.G. *ARC:EURO,WS;*
EUR:NW,NE,B,BLR,C,W?; SIB:S; FAR EAST:S;
dichotomum Hedw. *EUR:BLR,C,W,E,S-UR; CAUC; FAR EAST:S; MID AS;*
donianum Grev. *CAUC;*
duvalii Voit = *Bryum weigelii*
ehlei H.Arnell *ARC:ES;*
ekstamii L.Savicz *ARC:EURO;*
elegans Nees ex Brid. *EUR:NW,NE,B,BLR,C,W,E,K; CAUC; SIB:E,S; FAR EAST:S;*
MID AS;
erythrocarpum Schwaegr.
 - var. *rubens* (Mitt.) Podp. = *Bryum rubens*
fallax Milde in Rabenh. = *Bryum pallens*
finmarkicum Kaul. = *Bryum rutilans*
filiforme Dicks. = *Anomobryum julaceum*
flaccidum Brid. = *Bryum subelegans*
flexisetum Lindb. et H.Arnell = *Bryum pallescens*

- fornicatum* C.Muell. = *Bryum calophyllum*
funckii Schwaegr. ARC:WS; EUR:NE,B,BLR,C,W,E?,S-UR; CAUC; SIB:W,E,S; FAR EAST:S; MID AS;
gemmaiparum De Not EUR:K, CAUC, MID AS;
globosum Lindb. = *Bryum wrightii*
graefianum Schlieph. = *Bryum imbricatum*
hagenii Limpr. = *Bryum imbricatum*
heterophyllum Warnst. = *Bryum dichotomum*
holmgrenii Lindb. = *Bryum archangelicum*
imbricatum (Schwaegr.) Bruch et Schimp. in B.S.G. ARC:EURO,WS,ES,BE; EUR:NW,NE,N-UR,B,BLR,C,W,K,S-UR; CAUC; SIB:E,S; FAR EAST:S;
inclinatam (Brid.) Bland. = *Bryum imbricatum*
intermedium (Brid.) Bland. ARC:ES,BE; EUR:NW,NE,N-UR,B,BLR,C,W,E,S-UR; CAUC; SIB:E,S; FAR EAST:S; MID AS;
jeniseense L.Savicz SIB:E;
kaernbachii C.Muell. = *Bryum capillare*
klinggraeffii Schimp. ex Klinggr. EUR:B,BLR;
knowltonii Barnes EUR:NW,B,BLR,W?; FAR EAST:S;
kunzei Hoppe et Hornsch. ex Hornsch. EUR:B,C,W,S-UR; SIB:S; MID AS;
labradorensis Philib. ARC:EURO; EUR:NW,NE; SIB:E;
lacustre (Web. et Mohr) Bland. in Sturm = *Bryum knowltonii*
laevifilum Syed = *Bryum subelegans*
lanatum (P.Beauv.) Brid. = *Bryum argenteum*
lapponicum Kaur. = *Bryum salinum*
latifolium Bruch et Schimp. in B.S.G. = *Bryum calophyllum*
leptoglyphodon Philib.[?] MID AS;
leucoglyphon Philib.[?] MID AS;
lindbergii Kaur. ARC:EURO;
littorale Ryan et Hag. = *Bryum imbricatum*
lonchocaulon C.Muell. = *Bryum pallescens*
longisetum Bland. ex Schwaegr. EUR:NW,B,BLR;
 - var. *labradorensis* (Philib.) C.Jens. = *Bryum labradorensis*
lundstroemii H.Arnell = *Bryum pallens*
luridum Ruthe = *Bryum arcticum*
lutescens Bomanss. = *Bryum pallens*
mamillatum Lindb. EUR:B;
maritimum Bomanss. = *Bryum knowltonii*
marratii Hook.f. et Wils. ex Wils. EUR:B;
mayrii Broth. FAR EAST:S;
microblastum C.Muell. ARC:BE;
microcalophyllum Philib.[?] MID AS;
microerythrocarpum C.Muell. et Kindb. in Macoun = *Bryum subapiculatum*
mildeanum Jur. EUR:NW,W; CAUC; MID AS;
mirabile C.Muell. ARC:BE;
mitaviense Mikut. = *Bryum pallescens*
mollifolium Philib.[?] MID AS;
mollissimum Philib.[?] MID AS;
mosquense Warnst. = *Bryum caespiticeum*
mucronifolium Philib.[?] MID AS;
muehlenbeckii Bruch et Schimp. in B.S.G. EUR:NW; CAUC;
murale Wils. ex Hunt = *Bryum radiculosum*
murmanicum Broth. EUR:NW;

- neodamense* Itzigs. in C.Muell. *ARC:EURO,WS; EUR:NW,N-UR,B,BLR; SIB:W,E,S; FAR EAST:S; MID AS;*
 - var. *ovatum* Lindb. et H.Arnell = *Bryum subneodamense*
nitidulum Lindb. *ARC:EURO,WS,ES,BE; EUR:NW;*
nudum H.Arnell = *Bryum jeniseense*
obconicum Hornsch. ex Bruch et Schimp. in B.S.G. = *Bryum pallescens*
oblongum Lindb. *ARC:ES; EUR:NW; SIB:E,S;*
obtusidens H.Arnell [?] *ARC:ES;*
obtusifolium Lindb. = *Bryum cryophilum*
orientale Podp.[?] *FAR EAST:S;*
ovatum Jur. = *Bryum subneodamense*
pallens (Brid.) Sw. ex Roehl. *ARC:EURO,WS,ES,BE; EUR:NW,NE,N-UR,B,BLR,C,W,K,E,S-UR; CAUC; SIB:W,E,S; FAR EAST:S; MID AS;*
pallescens Schleich. ex Schwaegr. *ARC:EURO,WS,ES; EUR:NW,NE,N-UR,B,BLR,C,W,K,E,S-UR; CAUC; SIB:W,E,S; FAR EAST:N,S; MID AS;*
pamirensis Philib. ex Broth.[?] *MID AS;*
pamirico-mucronatum Philib. ex Broth.[?] *MID AS;*
pendulum (Hornsch.) Schimp. = *Bryum algovicum*
planiusculum Lindb. et H.Arnell [?] *SIB:E;*
pootenianum Par. *ARC:BE;*
pseudocrispulum (Podp.) L.Savicz = *Bryum pseudotriquetrum*
pseudotriquetrum (Hedw.) Gaertn. et al. *ARC:EURO,WS,ES,BE; EUR:NW,NE,N-UR,B,BLR,C,W,K,E,S-UR; CAUC; SIB:W,E,S; FAR EAST:N,S; MID AS;*
 - ssp. *neodamense* (Itzigs. ex C.Muell.) Amann = *Bryum neodamense*
 - var. *bimum* (Schreb.) Lilj. *ARC:EURO,ES; EUR:NW,NE,N-UR,B,BLR,C,W,K,S-UR; CAUC; SIB:W,S; FAR EAST:S; MID AS;*
purpurascens (R.Br.) Bruch et Schimp. in B.S.G. *ARC:EURO,ES,BE; EUR:NW,NE,N-UR,B; SIB:S; MID AS;*
pygmaeomucronatum Philib.[?] *MID AS;*
radiculosum Brid. *EUR:W; CAUC;*
roellii Philib. = *Bryum algovicum*
rubens Mitt. *EUR:B,BLR,W; CAUC;*
rudérale Crundw. et Nyh. *EUR:W; CAUC;*
ruppinesis Warnst. = *Bryum algovicum*
rutilans Brid. *ARC:EURO,WS,ES; EUR:NW,NE; CAUC; SIB:W,E,S; MID AS;*
salinum Hag. ex Limpr. *EUR:NW,NE,B; FAR EAST:S?*
sauteri Bruch et Schimp. in B.S.G. *EUR:C?,S-UR?; CAUC;*
savicziae Schljak. *EUR:NW;*
saxatile Hag. *EUR:NW;*
schleicheri Schwaegr.
 - var. *latifolium* (Schwaegr.) Schimp. *ARC:EURO; EUR:NW,NE,BLR,W; CAUC; SIB:W,S; FAR EAST:N,S; MID AS;*
serotinum Lindb.[?] *ARC:ES;*
sibiricum Lindb. et H.Arnell [?] *SIB:E;*
spinifolium Philib.[?] *MID AS;*
stenotrichum C.Muell. = *Bryum imbricatum*
stirtonii Bruch et Schimp. in B.S.G. *EUR:NW,B,W?;*
subapiculatum Hampe *EUR:W,C;*
subcalophyllum Philib.[?] *MID AS;*
subelegans Kindb. *EUR:NW,NE,B,BLR,C,W,K,S-UR; CAUC; SIB:S; FAR EAST:S; MID AS;*
subglobosum C.Muell. = *Bryum pallescens*

submucronatum Philib.[?] MID AS;
subneodamense Kindb. ARC:EURO,WS; EUR:NW,B; MID AS;
subobtusifolium C.Muell. = *Bryum cryophilum*
subrotundum Brid. = *Bryum pallescens*
taimyrense Broth. et Bryhn ARC:ES;
tardum Bomanss. EUR:NW;
tenuisetum Limpr. EUR:NW?;
teres Lindb. ARC:EURO,WS,ES,BE;
terskeiense Par.[?] MID AS;
tesselatum Philib.[?] MID AS;
timmiostomoides Philib.[?] MID AS;
torquescens Bruch in B.S.G. EUR:K; CAUC; MID AS;
tortifolium Funck ex Brid. = *Bryum cyclophyllum*
turbinatum (Hedw.) Turn. EUR:NW,NE,B,BLR,C,W,K,E,S-UR; CAUC; SIB:W; MID AS;
 - ssp. *schleicheri* (Schwaegr.) Kindb. = *Bryum schleicheri* var. *latifolium*
 - var. *latifolium* Bruch et Schimp. in B.S.G. = *Bryum schleicheri* var. *latifolium*
uliginosum (Brid.) Bruch et Schimp. in B.S.G. EUR:NW,NE,B,BLR,C,W; CAUC;
 SIB:E,S; FAR EAST:S; MID AS;
umbratum Hag. EUR:NW;
utriculatum C.Muell. ARC:BE;
ventricosum Lindb. = *Bryum pseudotriquetrum*
vermigerum H.Arnell et C.Jens. = *Bryum oblongum*
vernum Philib.[?] MID AS;
veronense De Not. EUR:W; FAR EAST:N?;
violaceum Crundw. et Nyh. EUR:W,C;
warneum (Roehl.) Bland. ex Brid. EUR:NE,B,BLR,C?; SIB:S?;
 - ssp. *mamillatum* (Lindb.) Podp. = *Bryum mamillatum*
weigellii Spreng. in Biehler ARC:EURO,WS,ES,BE; EUR:NW,NE,N-UR,B,BLR,C,W;
 CAUC; SIB:W,E,S; FAR EAST:N,S; MID AS;
wrightii Sull. et Lesq. ARC:EURO,WS,ES,BE;
zemliae H.Arnell et Jaederh. ARC:EURO;

B u x b a u m i a Hedw. (BUXBAUMIACEAE)

aphylla Hedw. ARC:WS,ES,BE; EUR:NW,NE,N-UR,B,BLR,C,W,E; CAUC; SIB:W,E,S;
 FAR EAST:N,S;
indusiata Brid. = *Buxbaumia viridis*
minakatae Okam. SIB:S; FAR EAST:S;
subcylindrica Grout = *Buxbaumia minakatae*
viridis (DC. in Lam. et DC.) Moug. et Nestl. EUR:B,W,K; CAUC;
vulgaris Brid. = *Buxbaumia aphylla*

C a l l i a l a r i a Ochyra (AMBLYSTEGIACEAE)

curvicaule (Jur.) Ochyra ARC:EURO,ES,BE; EUR:NW,W; CAUC; SIB:E; MID AS;

C a l l i c l a d i u m Crum (HYPHACEAE)

haldanianum (Grev.) Crum ARC:EURO,ES,BE; EUR:NW,NE,N-UR,B,BLR,C,W,E,S-UR;
 CAUC; SIB:W,E,S; FAR EAST:S; MID AS;

C a l l i e r g o n (Sull.) Kindb. (AMBLYSTEGIACEAE)

cordifolium (Hedw.) Kindb. ARC:EURO,WS,ES,BE; EUR:NW,NE,N-UR,B,BLR,C,W,E,S-UR;
 CAUC; SIB:W,E,S; FAR EAST:N,S; MID AS;

- cuspidatum* (Hedw.) Kindb. = *Calliergonella cuspidata*
giganteum (Schimp.) Kindb. ARC:EURO,WS,ES,BE; EUR:NW,NE,N-UR,B,BLR,C,W,E,S-UR; CAUC; SIB:W,E,S; FAR EAST:N,S; MID AS;
megalophyllum Mikut. ARC:EURO,WS,ES,BE; EUR:NW,NE,B; SIB:E; FAR EAST:N;
moldavicum (Velen.) Podp. = *Calliergon megalophyllum*
richardsonii (Mitt.) Kindb. in Warnst. ARC:EURO,WS,ES,BE; EUR:NW,NE,N-UR,B,C,W; CAUC; SIB:W,E,S; FAR EAST:N,S;
 - var. *megalophyllum* (Mikut.) Amann = *Calliergon megalophyllum*
 - var. *robustum* (Lindb. et H. Arnell) Broth. = *Calliergon megalophyllum*
sarmentosum (Wahlenb.) Kindb. = *Sarmenthypnum sarmentosum*
stramineum (Brid.) Kindb. ARC:EURO,WS,ES,BE; EUR:NW,NE,N-UR,B,BLR,C,W?,E,S-UR; CAUC; SIB:W,E,S; FAR EAST:N,S; MID AS;
trifarium (Web. et Mohr) Kindb. = *Pseudocalliergon trifarium*
turgescens (T. Jens.) Kindb. = *Pseudocalliergon turgescens*

Calliergonella Loeske (AMBLYSTEGIACEAE)

- cuspidata* (Hedw.) Loeske ARC:EURO,ES,BE; EUR:NW,NE,N-UR,B,BLR,C,W,K,E,S-UR; CAUC; SIB:W,E,S; FAR EAST:N,S; MID AS;

Campothecium Schimp. in B.S.G. (BRACHYTHECIACEAE)

- aureum* (Spruce) Schimp. in B.S.G. = *Homalothecium aureum*
auriculatum (Jaeg.) Broth. FAR EAST:S;
caucasicum Limpr. = *Brachythecium geheebii*
geheebii (Milde) Kindb. = *Brachythecium geheebii*
lutescens (Hedw.) Schimp. in B.S.G. EUR:NW?,N-UR?,B,BLR,C,W,K; CAUC; MID AS;
philippeanum (Spruce) Kindb. = *Homalothecium philippeanum*
sericeum (Hedw.) Kindb. = *Homalothecium sericeum*
trichoides (Neck.) Broth. = *Tomentypnum nitens*

Campylium (Sull.) Mitt. (AMBLYSTEGIACEAE)

- adscendens* (Lindb.) Perss. in Perss. et Gjaer. = *Herzogiella adscendens*
brachycarpum G. Roth = *Warnstorfia fluitans*
calcareum Crundw. et Nyh. ARC:BE; EUR:NW,B,C,W,K,E; CAUC;
chrysophyllum (Brid.) J. Lange ARC:EURO,WS,ES,BE; EUR:NW,NE,N-UR,B,BLR,C,W,K,E,S-UR; CAUC; SIB:W,E,S; FAR EAST:N,S;
 - var. *zemliae* (C. Jens.) Grout = *Campylium zemliae*
elodes (Lindb.) Kindb. EUR:NW,B,BLR,C,W,E; FAR EAST:S;
halleri (Hedw.) Lindb. ARC:ES; EUR:NW,N-UR,B,W,S-UR; CAUC; SIB:S; FAR EAST:N;
hispidulum (Brid.) Mitt. ARC:EURO,ES; EUR:NE,B,C,E,S-UR; CAUC; SIB:W,E,S; FAR EAST:N,S;
krylovii (Podp.) Lazar. = *Podperaea krylovii*
longiscuspis (Lindb. et H. Arnell) Hedenaes ARC:ES;
polygamum (B.S.G.) C. Jens. ARC:EURO,WS,ES,BE; EUR:NW,NE,N-UR,B,BLR,C,W,E,S-UR; CAUC; SIB:W,E,S; FAR EAST:N,S; MID AS;
protensum (Brid.) Kindb. = *Campylium stellatum* var. *protensum*
radicale (P. Beauv.) Grout EUR:B,BLR,C?,W,K,S-UR; CAUC; SIB:E,S; FAR EAST:S;
sommerfeltii (Myr.) J. Lange ARC:EURO,WS; EUR:NW,NE,N-UR,B,BLR,C,W,K,E,S-UR; CAUC; SIB:W,S; FAR EAST:S;
stellatum (Hedw.) C. Jens. ARC:EURO,WS,ES,BE; EUR:NW,NE,N-UR,B,BLR,C,W,K,E,S-

- UR; CAUC; SIB:W,E,S; FAR EAST:N,S; MID AS;*
 - var. *protensum* (Brid.) Bryhn ex Grout *ARC:EURO,WS,ES,BE;*
EUR:NW,NE,B,BLR,C,W,K,E; CAUC; SIB:W,E,S; FAR EAST:N;
zemliae C.Jens. *ARC:EURO,WS,ES,BE; EUR:NE;*

Campylophyllum

- halleri* (Hedw.) Fleisch. ex Loeske = *Campylium halleri*

C a m p y l o p u s Brid. (DICRANACEAE)

- atrovirens* De Not. - excluded
flexuosus (Hedw.) Brid. *EUR:NW?,BLR; CAUC;*
fragilis (Brid.) Bruch et Schimp. in B.S.G. *EUR:W?; CAUC?;*
 - var. *pyriformis* (Schultz) Aust. = *Campylopus pyriformis*
pyriformis (Schultz) Brid. *EUR:B,W; CAUC; SIB:S; FAR EAST:S;*
schimperi Milde *ARC:ES,BE; EUR:NW; CAUC; SIB:E,S;*
schwarzii Schimp. *EUR:W;*
subulatus Schimp. in Rabenh. *CAUC;*
 - var. *schimperi* (Milde) Husn. = *Campylopus schimperi*
torfacues Bruch et Schimp. in B.S.G. = *Campylopus fragilis* var. *pyriformis*

C a m p y l o s t e l i u m Bruch et Schimp. in B.S.G. (PTICHOMITRIACEAE)

- saxicola* (Web. et Mohr) Bruch et Schimp. in B.S.G. *EUR:W;*

- Catharinea* spp. = *Atrichum* spp.

C a t a s c o p i u m Brid. (BARTRAMIACEAE)

- nigratum* (Hedw.) Brid. *ARC:EURO,WS,ES,BE; EUR:NW,NE,B,BLR; CAUC; SIB:E,S;*
FAR EAST:N;

Cephalocladium

- enerve* (Broth.) A.Abr. et I.Abr. = *Struckia argentata* ssp. *zerovii*
zerovii Lazar. = *Struckia argentata* ssp. *zerovii*

C e r a t o d o n Brid. (DITRICHACEAE)

- purpureus* (Hedw.) Brid. *ARC:EURO,WS,ES,BE; EUR:NW,NE,N-UR,B,BLR,C,W,K,E,S-*
UR; CAUC; SIB:W,E,S; FAR EAST:N,S; MID AS;
 - var. *conicus* (Hampe.) Husn. = *Ceratodon purpureus*
 - var. *heterophyllus* Kindb. = *Ceratodon purpureus*
 - var. *rotundifolius* Berggr. = *Ceratodon purpureus*

- Chrysohypnum* spp. = *Campylium* spp.

C i n c l i d i u m Sw. in Schrad. (MNIACEAE)

- arcticum* Bruch et Schimp. in B.S.G. *ARC:EURO,WS,ES,BE; EUR:N-UR; CAUC;*
SIB:S,E; FAR EAST:N;
latifolium Lindb. *ARC:EURO,WS,ES,BE; SIB:E; FAR EAST:N;*
minutifolium Broth. *SIB:E;*
stygium Sw. *ARC:EURO,WS,ES,BE; EUR:NW,NE,B,BLR,C,W,S-UR; SIB:W,E,S; FAR*
EAST:N;
subrotundum Lindb. *ARC:EURO,WS,ES,BE; EUR:NW,NE; SIB:E; FAR EAST:N;*

Cinclidotus P.Beauv. (CINCLIDOTACEAE)

- aquaticus* (Hedw.) Bruch et Schimp. in B.S.G. *EUR:K; CAUC;*
danubicus Schiffn. et Baumg. *EUR:B,BLR;*
fontinalioides (Hedw.) P.Beauv. *EUR:W,K; CAUC; MID AS;*
minor Lindb. = *Cinclidotus fontinalioides*
nigricans (Brid.) Wijk et Marg. = *Cinclidotus riparius*
riparius (Brid.) Arnott *CAUC?; SIB:S; MID AS;*

Cirriphyllum Grout (BRACHYTHECIACEAE)

- cirrhosum* (Schwaegr. in Schultes) Grout *ARC:EURO,ES,BE; EUR:NW,NE,N-UR,W,S-UR; CAUC; SIB:W,E,S; FAR EAST:N; MID AS;*
crassinervium (Wils.) Loeske et Fleisch. = *Eurhynchium crassinervium*
filipendulum Dix. in Lazar. = *Okamuraea hakoniensis*
ornellanum (Mol.) Loeske = *Scleropodium ornellanum*
piliferum (Hedw.) Grout *EUR:NW,NE,N-UR,B,BLR,C,W,S-UR; CAUC; SIB:W,E,S; FAR EAST:S;*
reichenbachianum (Hueb.) Wijk et Marg. = *Eurhynchium flotowianum*
tenuinerve (Lindb.) Wijk et Marg. = *Cirriphyllum thommasinii*
tommasinii (Boul.) Grout *EUR:NW,NE?,B,W,K; CAUC;*
vaucheri (Schimp. in B.S.G.) Loeske et Fleisch. = *Eurhynchium thommasinii*
velutinoides (Bruch in B.S.G.) Loeske et Fleisch. = *Eurhynchium flotowianum*

Claopodium (Lesq. et James) Ren. et Card. (THUIDIACEAE)

- crispifolium* (Hook.) Ren. et Card. *FAR EAST:S;*
filiforme Lazar. = *Cyrtohypnum pygmaeum*
orientale Podp. = *Bryohaplocladium angustifolium*
pellucinerve (Mitt.) Besch. *SIB:E,S; FAR EAST:S; MID AS?;*
subpiliferum (Lindb. et H.Arnell) Broth. = *Claopodium pellucinerve*

Clastobryella

- kasutsuensis* (Besch.) Iwats. = *Pylaisiadelpha tenuirostris*

Climacium Web. et Mohr (CLIMACIACEAE)

- americanum* Brid.
 - ssp. *japonicum* (Lindb.) Perss. = *Climacium japonicum*
dendroides (Hedw.) Web. et Mohr. *ARC:EURO,WS,ES,BE; EUR:NW,NE,N-UR,B,BLR,C,W,K,E,S-UR; CAUC; SIB:W,E,S; FAR EAST:N,S; MID AS;*
japonicum Lindb. *FAR EAST:S;*

Cnestrum Hag. (DICRANACEAE)

- alpestre* (Wahlenb.) Nyh. ex Mogensen *ARC:EURO,ES,BE; EUR:NW,NE,N-UR,S-UR; SIB:E,S; FAR EAST:S;*
glaucescens (Lindb. et H.Arnell) Holm. ex Mogensen et Steere *ARC:ES,BE; EUR:NE?; SIB:E,S; FAR EAST:S;*
schistii (Web. et Mohr) Hag. *ARC:EURO,BE; EUR:NW,NE,W,S-UR; SIB:W,E,S; FAR EAST:N,S;*

Conardia Robins. (AMBLYSTEGIACEAE)

- compacta* (C.Muell.) Robins. *EUR:NW,B,C,W,S-UR; SIB:W,S; FAR EAST:S; MID AS;*

C o n o s t o m u m Sw. in Web. et Mohr (BARTRAMIACEAE)*boreale* Sw. = *Conostomum tetragonum**tetragonum* (Hedw.) Lindb. ARC:EURO,WS,ES,BE; EUR:NW,N-UR; SIB:E,S; FAR EAST:N;**C o s c i n o d o n** Spreng. (GRIMMIACEAE)*cribrosus* (Hedw.) Spruce ARC:EURO,ES,BE; EUR:NW,W,K; CAUC; SIB:S; FAR EAST:S,N; MID AS;*humilis* Milde = *Coscinodon cribrosus**latifolius* Lindb. et H.Arnell = *Jaffueliobryum latifolium***C r a t o n e u r o n** (Sull.) Spruce (CRATONEURACEAE)*arcticum* Steere = *Pseudoleskea chilensis**commutatum* (Hedw.) G.Roth = *Palustriella commutata*- var. *falcatum* (Brid.) Moenk. = *Palustriella commutata* var. *falcata**curvicaule* (Jur.) G.Roth = *Callialaria curvicaule**decipiens* (De Not.) Loeske = *Palustriella decipiens**falcatum* (Brid.) G.Roth = *Palustriella commutata* var. *falcata**filicinum* (Hedw.) Spruce ARC:EURO,WS,ES,BE; EUR:NW,NE,N-UR,B,BLR,C,W,K,E,S-UR; CAUC; SIB:W,E,S; FAR EAST:N,S; MID AS;- var. *atrovirens* (Brid.) Ochyra EUR:B,W,E; CAUC; SIB:S; FAR EAST:N,S; MID AS;- var. *curvicaule* (Jur.) Moenk. = *Callialaria curvicaule*- var. *fallax* (Brid.) Broth. = *Cratoneurum filicinum**glaucum* Broth. = *Palustriella commutata***C r o s s i d i u m** Jur. (POTTIACEAE)*chloronotos* auct. non (Brid.) Limpr. = *Crossidium crassinerve**crassinerve* (De Not.) Jur. CAUC; MID AS;*griseum* (Jur.) Jur. CAUC; MID AS;*squamiferum* (Viv.) Jur. EUR:K,E; CAUC; SIB:S; MID AS;- var. *pottioideum* (De Not.) Moenk. = *Crossidium griseum***C r u m i a** Schof. (POTTIACEAE)*latifolia* (Kindb. in Macoun) Schof. CAUC;**C r y p h a e a** Web. (CRYPHAEACEAE)*heteromalla* (Hedw.) Mohr CAUC;**C t e n i d i u m** (Schimp.) Mitt. (HYPNACEAE)*molluscum* (Hedw.) Mitt. ARC:ES; EUR:NW,B,BLR,C?,W,K,S-UR?; CAUC; SIB:E;

FAR EAST:N; MID AS;

procerrimum (Mol.) Lindb. ARC:EURO,ES,BE; EUR:NE; CAUC; SIB:S; MID AS;**C y n o d o n t i u m** Bruch et Schimp. ex Schimp. (DICRANACEAE)*alpestre* (Wahlenb.) Milde = *Cnestrum alpestre**alpestre* Jur. = *Cynodontium fallax**asperifolium* (H.Arnell) Par. EUR:NE,S-UR; SIB:S; FAR EAST:S; MID AS;*bruntonii* (Sm.) Bruch et Schimp. in B.S.G. EUR:N-UR,W,K;*fallax* Limpr. ARC:ES; EUR:NE,N-UR,S-UR; SIB:W,S; FAR EAST:S;*glaucescens* (Lindb. et H.Arnell) Par. = *Cnestrum glaucescens*

- gracilescens* (Web. et Mohr) Schimp. *EUR:NE,W; CAUC; FAR EAST:S*;
 - var. *alpestre* Schimp. = *Cynodontium fallax*
 - var. *tenellum* (Bruch et Schimp. in B.S.G.) Schimp. = *Cynodontium tenellum*
meridionale Herz. = *Cynodontium bruntonii*
polycarpon (Hedw.) Schimp. *ARC:ES,BE; EUR:NW,NE,B,C,W,E,S-UR; CAUC; SIB:S*;
FAR EAST:S;
 - ssp. *fallax* (Lindb.) Kindb. = *Cynodontium fallax*
 - var. *strumiferum* (Hedw.) Schimp. = *Cynodontium strumiferum*
schisti (Web. et Mohr) Lindb. = *Cnestrum schisti*
strumiferum (Hedw.) Lindb. *ARC:EURO,WS,ES,BE; EUR:NW,NE,N-UR,B,C,W,E,S-UR*;
CAUC; SIB:W,E,S; FAR EAST:N,S; MID AS;
subulatum Amann = *Cynodontium tenellum*
suecicum (H. Arnell et C. Jens.) Hag. *EUR:NW,N-UR*;
tenellum (Bruch et Schimp. in B.S.G.) Limpr. *ARC:EURO,ES,BE; EUR:NW,NE,N-UR,B,S-UR; CAUC; SIB:W,E,S; FAR EAST:N,S; MID AS*;
torquescens Limpr. = *Cynodontium tenellum*

C y r t o - h y p n u m (Hampe) Hampe et Lor. in Hampe (THUIDIACEAE)

- minutulum* (Hedw.) Buck et Crum *EUR:NW,B,BLR,C,W,S-UR*;
pygmaeum (Schimp. in B.S.G.) Buck et Crum *FAR EAST:S*;
sparsifolium (Mitt.) Buck et Crum *FAR EAST:S*;
vestitissimum (Besch.) Buck et Crum *FAR EAST:S*;

C y r t o m n i u m Holm. (MNIACEAE)

- hymenophylloides* (Hueb.) Nyh. ex T. Kop. *ARC:EURO,ES,BE; EUR:NW,NE,N-UR,S-UR; CAUC; SIB:W,E,S; FAR EAST:N,S*;
hymenophyllum (Bruch et Schimp. in B.S.G.) Holmen *ARC:EURO,ES,BE; EUR:NW,NE; SIB:W,E,S; FAR EAST:N*;

D e s m a t o d o n Brid. (POTTIACEAE)

- altipes* Broth. *MID AS*;
arenaceus Sull. et Lesq. = *Tortula obtusifolia*
cernuus (Hueb.) Bruch et Schimp. in B.S.G. *ARC:ES; EUR:NW,B,W; SIB:S; FAR EAST:S; MID AS*;
convolutus (Brid.) Grout = *Tortula atrovirens*
glacialis Funck = *Desmatodon latifolius* var. *muticus*
heimii (Hedw.) Mitt. *ARC:EURO,ES,BE; EUR:NW,B,C,W; CAUC; SIB:S; MID AS*;
 - var. *arctica* (Lindb.) Crum *ARC:EURO,WS,ES,BE; EUR:B; SIB:E; MID AS*;
latifolius (Hedw.) Brid. *ARC:EURO,WS,ES,BE; EUR:NW,N-UR,B,C,W,S-UR; CAUC; SIB:S; FAR EAST:N; MID AS*;
 - var. *muticus* (Brid.) Brid. = *Desmatodon latifolius*
laureri (Schultz) Bruch et Schimp. in B.S.G. *ARC:ES,BE; SIB:S; MID AS*;
leucostoma (R.Br.) Berggr. *ARC:EURO,ES,BE; EUR:N-UR,W; SIB:E,S; MID AS*;
nervosus Bruch et Schimp. in B.S.G. = *Tortula atrovirens*
obliquus Bruch et Schimp. in B.S.G. = *Desmatodon leucostoma*
obtusifolius (Schwaegr.) Schimp. = *Tortula obtusifolia*
oxneri Lazar. = *Desmatodon randii*
randii (Kennedy) Lazar. *EUR:B,W; CAUC; FAR EAST:N*;
subrectus (Hook.) Limpr. = *Desmatodon leucostoma*
systylius Schimp. *ARC:ES,BE; CAUC; SIB:S; MID AS*;
ucrainicus Lazar. *EUR:W; CAUC; FAR EAST:S; MID AS*;

Dic hel y m a Myr. (FONTINALIACEAE)

falcatum (Hedw.) Myr. ARC:EURO, BE; EUR: NW, NE, N-UR, B, BLR, C, W, S-UR; SIB: E, S;

Dichodontium Schimp. (DICRANACEAE)

flavescens (Dicks.) Lindb. = *Dichodontium pellucidum*

pellucidum (Hedw.) Schimp. ARC:EURO, WS, ES, BE; EUR: NW, NE, N-UR, B, BLR, C, W, E, S-UR; CAUC; SIB: W, E, S; FAR EAST: S;

- var. *flavescens* (Dicks.) Moore = *Dichodontium pellucidum*

Dicranella (C. Muell.) Schimp. (DICRANACEAE)

cerviculata (Hedw.) Schimp. ARC:EURO, WS, ES, BE; EUR: NW, NE, N-UR, B, BLR, C, W, S-UR; CAUC; SIB: W, E, S; FAR EAST: N, S;

crispa (Hedw.) Schimp. ARC:EURO, WS, ES, BE; EUR: NW, NE, B, BLR, C, W, E?, S-UR; SIB: W, E, S; FAR EAST: S;

grevilleana (Brid.) Schimp. ARC:EURO, WS, BE; EUR: NW, NEN-UR; CAUC; SIB: E; FAR EAST: N;

heteromalla (Hedw.) Schimp. EUR: NW, NE, N-UR, B, BLR, C, W, E, S-UR; CAUC; SIB: W, S; FAR EAST: N, S; MID AS;

howei Ren. et Card. MID AS;

humilis Ruthe EUR: NW, NE, B?, S-UR?; SIB: E; FAR EAST: S;

palustris (Dicks.) Crundw. ex E. Warb. ARC: BE; EUR: NW, W; CAUC; FAR EAST: N, S;

rigidula (Hedw.) Dicks. = *Dicranella humilis*

rubra Moenk. = *Dicranella varia*

rufescens (Dicks.) Schimp. ARC: WS; EUR: NW, B, BLR, C, W, K; CAUC; SIB: E, S; FAR EAST: S;

schreberi Schimp. = *Dicranella schreberiana*

schreberiana (Hedw.) Hilp. ex Crum et Anderson ARC:EURO, WS, ES, BE; EUR: NW, NE, N-UR, B, BLR, C, W, E, S-UR; CAUC; SIB: W, E, S; FAR EAST: S;

- var. *grevilleana* = *Dicranella grevilleana*

- var. *robusta* (Schimp. ex Braithw.) Crum et Anderson EUR: NW, C;

secunda Lindb. = *Dicranella subulata*

squarrosa (Starke) Schimp. = *Dicranella palustris*

subsecunda Besch. FAR EAST: S;

subulata (Hedw.) Schimp. ARC:EURO, WS, ES, BE; EUR: NW, NE, N-UR, B, BLR, C?, W; CAUC; SIB: E, S; FAR EAST: N, S; MID AS;

varia (Hedw.) Schimp. ARC:EURO, WS, ES, BE; EUR: NW, NE, B, BLR, C, W, K, E, S-UR; CAUC; SIB: W, E, S; FAR EAST: S; MID AS;

Dicranodontium Bruch et Schimp. in B.S.G. (DICRANACEAE)

aristatum Schimp. = *Dicranodontium asperulum*

asperulum (Mitt.) Broth. EUR: BLR, W;

denudatum (Brid.) Britt. in Williams ARC: BE; EUR: NW, NE?, B, BLR, C, W, K; CAUC; SIB: S; FAR EAST: S;

longirostre (Starke) Schimp. = *Dicranodontium denudatum*

Dicranoweisia Lindb. ex Milde (DICRANACEAE)

cirrata (Hedw.) Lindb. ex Milde EUR: NW, B, BLR, W, K; CAUC; MID AS?;

crispula (Hedw.) Lindb. ARC:EURO, WS, ES, BE; EUR: NW, NE, N-UR, BLR, W, S-UR; CAUC; SIB: W, E, S; FAR EAST: N, S; MID AS;

- var. *intermedia* (Amann) Podp. = *Dicranoweisia intermedia*

intermedia Amman ARC:BE; CAUC; MID AS;

D i c r a n u m Hedw. (DICRANACEAE)

acutifolium (Lindb. et H. Arnell) C. Jens. ex Weinm. ARC:EURO,WS,ES,BE;
EUR:NW,NE,N-UR; SIB:E,S; FAR EAST:N;

affine Funck = *Dicranum bergeri*

albicans Bruch et Schimp. in B.S.G. = *Paraleucobryum enerve*

alpestre Wahlenb. = *Cnestrum alpestre*

angustum Lindb. ARC:EURO,WS,ES,BE; EUR:NW,NE,N-UR; SIB:W,E; FAR
EAST:N,S?;

arcticum Schimp. = *Kiaeria glacialis*

bergeri Bland. in Starke ARC:EURO,WS,ES,BE; EUR:NW,NE,N-UR,B,BLR,C,W,S-UR;
SIB:W,E,S; FAR EAST:N,S;

bonjeanii De Not. ARC:EURO,WS,ES,BE; EUR:NW,NE,N-UR,B,BLR,C,W,E,S-UR; CAUC;
SIB:W,E,S; FAR EAST:N,S; MID AS;

- ssp. *angustum* (Lindb.) Podp. = *Dicranum angustum*

- var. *anomalum* C. Jens. = *Dicranum leioneuron*

brevifolium (Lindb.) Lindb. ARC:EURO,WS,ES,BE; EUR:NW,NE,N-UR,B,S-UR; CAUC;
SIB:E; FAR EAST:N; MID AS;

congestum Brid. ARC:EURO,WS,ES,BE; EUR:NW,NE,N-UR,B,C,W,E,S-UR; CAUC;
SIB:W,E,S; FAR EAST:N,S; MID AS;

- var. *cirrhatum* Schimp. = *Dicranum brevifolium*

- var. *flexicaule* (Brid.) Wils. = *Dicranum congestum*

convolutum Hampe = *Dicranum muehlenbeckii*

curvipes Sak. = *Dicranum japonicum*

drummondii C. Muell. ARC:EURO,WS; EUR:NW,NE,B; SIB:S; FAR EAST:N,S;

elatum Lindb. = *Dicranum drummondii*

elongatum Schleich. in Schwaegr. ARC:EURO,WS,ES,BE; EUR:NW,NE,N-UR,W,S-UR;
CAUC; SIB:E,S; FAR EAST:N,S; MID AS;

- ssp. *groenlandicum* (Brid.) Moenk. = *Dicranum groenlandicum*

euschistodon Card. = *Orthodicranum mayrii*

flagellare Hedw. = *Orthodicranum flagellare*

flexicaule Brid. = *Dicranum congestum*

formosicum Broth. = *Orthodicranum mayrii*

fragilifolium Lindb. ARC:ES; EUR:NW,NE,N-UR,C,E,S-UR; SIB:W,E,S; FAR
EAST:N,S; MID AS;

fulvellum (Dicks.) Sm. = *Arctoa fulvella*

fulvum Hook. EUR:NW,W; CAUC; FAR EAST:S;

- var. *viride* (Sull. et Lesq. in Sull.) Frye in Grout = *Dicranum viride*

fuscescens Turn. ARC:EURO,WS,ES,BE; EUR:NW,NE,N-UR,B,BLR,C,W,E,S-UR; CAUC;
SIB:W,E,S; FAR EAST:N,S;

- var. *congestum* (Brid.) Husn. = *Dicranum congestum*

- var. *falcifolium* Braithw. = *Dicranum fuscescens*

groenlandicum Brid. ARC:EURO,ES,BE; EUR:NW,NE,N-UR,W; SIB:E,S; FAR
EAST:N,S;

- var. *sachalinense* Okam. = *Dicranum groenlandicum*

hamulosum Mitt. = *Orthodicranum hamulosum*

japonicum Mitt. FAR EAST:S;

labradoricum C. Muell. = *Dicranum groenlandicum*

laevidens Williams = *Dicranum angustum*

leioneuron Kindb. ARC:EURO,BE; EUR:NW,NE,B; SIB:E,S; FAR EAST:N,S; MID
AS;

- longifolium* Hedw. = *Paraleucobryum longifolium*
majus Sm. ARC:EURO,WS,ES,BE; EUR:NW,NE,N-UR,B,BLR,C,W,K,S-UR; CAUC;
 SIB:W,E,S; FAR EAST:N,S;
mayrii Broth. = *Orthodicranum mayrii*
montanum Hedw. = *Orthodicranum montanum*
muehlenbeckii Bruch et Schimp. in B.S.G. ARC:EURO,WS,ES,BE; EUR:NW,NE,N-
 UR,B,C,W,K,E,S-UR; CAUC; SIB:W,E,S; FAR EAST:N,S; MID AS;
 - var. *brevifolium* Lindb. = *Dicranum brevipodium*
 - var. *cirrhatum* (Schimp.) Lindb. in Norrl. = *Dicranum brevipodium*
 - var. *neglectum* (De Not.) Pfeff. = *Dicranum spadiceum*
 - var. *spadiceum* (Zett.) Podp. = *Dicranum spadiceum*
neglectum Jur. ex De Not. = *Dicranum spadiceum*
palustre Bruch et Schimp. in B.S.G. = *Dicranum bonjeanii*
polysetum Sw. ARC:EURO,WS; EUR:NW,NE,N-UR,B,BLR,C,W,E,S-UR; CAUC;
 SIB:W,E,S; FAR EAST:N,S; MID AS;
robustum Blytt ex B.S.G. = *Dicranum drummondii*
rugosum (Funck) Brid. = *Dicranum polysetum*
rupicola (Kindb.) Perss. = *Dicranum acutifolium*
schraderi Web. et Mohr = *Dicranum bergeri*
schreberianum Hedw. = *Dicranella schreberiana*
scoparium Hedw. ARC:EURO,WS,ES,BE; EUR:NW,NE,N-UR,B,BLR,C,W,K,E,S-UR;
 CAUC; SIB:W,E,S; FAR EAST:N,S; MID AS;
 - var. *integrifolium* Lindb. = *Dicranum scoparium*
sendtneri Limpr. = *Dicranum elongatum*
spadiceum Zett. ARC:EURO,WS,ES,BE; EUR:NW,NE,N-UR,W,S-UR; CAUC; SIB:W,E,S;
 FAR EAST:N,S; MID AS;
spurium Hedw. EUR:NW,NE,B,BLR,C,W; FAR EAST:N,S;
starkei Web. et Mohr. = *Kiaeria starkei*
strictum Schleich. ex Mohr = *Orthodicranum strictum*
tauricum Sapeh. = *Orthodicranum strictum*
tundrae Lindb. et H.Arnell = *Dicranum elongatum*
undulatum Ehrh. ex Web. et Mohr, non Brid. = *Dicranum polysetum*
undulatum Schrad. ex Brid., non Web. et Mohr = *Dicranum bergeri*
varium Hedw. = *Dicranella varia*
viride (Sull. et Lesq. in Sull.) Lindb. EUR:NW,NE,B,BLR,C,W,E,S-UR; CAUC; SIB:S?;
 FAR EAST:S;

Didymodon Hedw. (POTTIACEAE)

- acutus* (Brid.) Saito ARC:BE; EUR:BLR?,W,K,E,S-UR; CAUC; MID AS;
alpigenus Vent. in Jur. = *Bryoerythrophyllum alpigenum*
asperifolius (Mitt.) Crum et al. ARC:EURO,ES,BE; SIB:S; MID AS;
 - var. *gorodkovii* (A.Abr. et I.Abr.) Afonina ARC:ES,BE;
botelliger (Moenk.) Hag. = *Bryoerythrophyllum ferruginascens*
cordatus Jur. EUR:W,K; CAUC; FAR EAST:S; MID AS;
fallax (Hedw.) Zander ARC:ES; EUR:NW,NE,N-UR,B,BLR,C,W,K,E,S-UR; CAUC;
 SIB:W,E,S; MID AS;
 - var. *reflexus* (Brid.) Zander ARC:ES,BE; EUR:NW,NE,B,BLR,C,W,K,E,S-UR; CAUC;
 SIB:S; FAR EAST:S; MID AS;
ferrugineus (Schimp. ex Besch.) M.Hill = *Didymodon fallax* var. *reflexus*
giganteus (Funck) Jur. = *Geheebia gigantea*
icmadophyllus (Schimp. ex C.Muell.) Saito ARC:EURO,ES,BE; EUR:NW; CAUC;
 SIB:E,S; MID AS;

- incrassatus* (Lindb. ex Broth.) Broth. CAUC;
insulanus (De Not.) M.Hill = *Didymodon vinealis* var. *flaccidus*
johansenii (Williams) Crum ARC:ES; SIB:S; MID AS;
kabanovii Lazar. = *Didymodon cordatus*
luridus Hornsch. in Spreng. = *Didymodon vinealis* var. *luridus*
perobtus Broth. SIB:S;
reflexus Brid. = *Didymodon fallax* var. *reflexus*
rigidulus Hedw. ARC:EURO,WS,ES,BE; EUR:NW,NE,N-UR,B,BLR,C,W,K,E,S-UR; CAUC;
 SIB:E,S; FAR EAST:S; MID AS;
 - var. *gracilis* (Schleich. ex Hook. et Grev.) Zander = *Didymodon acutus*
 - var. *icmadophilus* (Schimp. ex C.Muell.) Zander = *Didymodon icmadophilus*
rotundatus (Lindb. et H.Arnell) Par. = *Bryoerythrophyllum rotundatum*
rubellus Bruch et Schimp. in B.S.G. = *Bryoerythrophyllum recurvirostrum*
 - var. *brevifolius* Warnst. = *Bryoerythrophyllum recurvirostrum* var. *brevifolium*
 - var. *cavernatum* Mol. = *Bryoerythrophyllum rubrum*
rubrum Jur. ex Geh. = *Bryoerythrophyllum rubrum*
rufus Lor. in Rabenh. = *Didymodon asperifolius*
sinuosus (Mitt.) Delong. EUR:W,K; CAUC;
spadiceus (Mitt.) Limpr. EUR:B,W,K; CAUC; FAR EAST:S; MID AS;
subandreaeoides (Kindb.) Zander ARC:BE;
tophaceus (Brid.) Lisa EUR:NE,B,C,W,K,S-UR; CAUC; MID AS;
 - var. *excurrentis* (Broth.) Wijk et Marg. MID AS;
trifarius auct. non (Hedw.) Rohl = *Didymodon vinealis* var. *luridus*
vinealis (Brid.) Zander EUR:NE,BLR,W,K,E,S-UR; CAUC; SIB:S? FAR EAST:S; MID AS;
 - var. *luridus* (Hornsch. in Spreng.) Zander EUR:W,K; CAUC; MID AS;
 - var. *flaccidus* (Bruch et Schimp. in Schimp.) Zander ARC:ES;
 EUR:NE,BLR,B,C,W,K; CAUC; SIB:S; FAR EAST:S; MID AS;

Diobelon

- squarrosus* (Schrad.) Hampe = *Dicranella palustris*

Diphyscium Mohr (BUXBAUMIACEAE)

- foliosum* (Hedw.) Mohr EUR:NW,B,W,K; CAUC;

Discelium Brid. (DISCELIACEAE)

- nudum* (Dicks.) Brid. ARC:EURO,WS; EUR:NW,N-UR,B; SIB:E,W; FAR EAST:S;

Dissodon spp. = *Tayloria* spp.

Distichium Bruch et Schimp. in B.S.G. (DITRICHACEAE)

- capillaceum* (Hedw.) Bruch et Schimp. in B.S.G. ARC:EURO,WS,ES,BE;
 EUR:NW,NE,N-UR,B,BLR,C,W,K,E,S-UR; CAUC; SIB:W,E,S; FAR EAST:N,S;
 MID AS;
hagenii Ryan in Philib. ARC:EURO,WS,ES,BE; SIB:E;
inclinatum (Hedw.) Bruch et Schimp. in B.S.G. ARC:EURO,WS,ES,BE; EUR:NW,N-
 UR,B,W; CAUC; SIB:E,S; FAR EAST:N; MID AS;
montanum Hag. = *Distichium capillaceum*

Ditrichum Hampe (DITRICHACEAE)

- crispatisimum* (C.Mueli.) Par. = *Ditrichum flexicaule*

- cylindricum* (Hedw.) Grout *ARC:EURO,WS,ES,BE; EUR:NW,NE,B,BLR,C,W,S-UR; CAUC; SIB:W,E,S; FAR EAST:N,S;*
- flexicaule* (Schwaegr.) Hampe *ARC:EURO,WS,ES,BE; EUR:NW,NE,N-UR,B,C,W,K,E,S-UR; CAUC; SIB:W,E,S; FAR EAST:N,S; MID AS;*
- glaucescens* Hedw. = *Saelania glaucescens*
- heteromallum* (Hedw.) Britt. *EUR:NW,NE,B,BLR,C,W; CAUC; SIB:S; FAR EAST:N,S;*
- var. *zonatum* (Brid.) Podp. = *Ditrichum zonatum*
- homomallum* (Hedw.) Hampe = *Ditrichum heteromallum*
- lineare* (Sw.) Lindb. *EUR:NW,N-UR,B; FAR EAST:S;*
- pallidum* (Hedw.) Hampe *EUR:NE,W; CAUC; SIB:S; FAR EAST:S;*
- pusillum* (Hedw.) Hampe *ARC:EURO; EUR:NW,NE,B,BLR,C,W,S-UR; CAUC; SIB:W,E,S; FAR EAST:S;*
- var. *tortile* (Schrad.) Hag. = *Ditrichum pusillum*
- subulatum* Hampe *EUR:W; CAUC;*
- tenuifolium* Lindb. = *Ditrichum cylindricum*
- tortile* (Schrad.) Brockm. = *Ditrichum pusillum*
- vaginans* (Sull.) Hampe = *Ditrichum lineare*
- zonatum* (Brid.) Kindb. *EUR:NW;*

D o l i c h o m i t r i o p s i s Okam. (METEORACEAE)

- diversiforme* (Mitt.) Nog. *FAR EAST:S;*

Dolichotheca

- seligeri* (Brid.) Loeske = *Herzogiella seligeri*
- silesiaca* (Web. et Mohr) Fleisch. = *Herzogiella seligeri*
- striatella* (Brid.) Loeske = *Herzogiella striatella*
- turfacea* (Lindb.) Loeske = *Herzogiella turfacea*

D o z y a Sande Lac. in Miq. (LEUCODONTACEAE)

- japonica* Sande Lac. in Miq. *FAR EAST:S;*

D r e p a n o c l a d u s (C.Muell.) G.Roth (AMBLYSTEGIACEAE)

- aduncus* (Hedw.) Warnst. *ARC:EURO,WS,ES,BE; EUR:NW,NE,N-UR,B,BLR,C,W,K,E,S-UR; CAUC; SIB:W,E,S; FAR EAST:N,S; MID AS;*
- var. *capillifolius* (Warnst.) Riehm. *EUR:NE,B,S-UR;*
- var. *kneffii* (Schimp.) Moenk. *ARC:EURO,ES,BE; EUR:NW,NE,BLR,C,W,E; SIB:E,S; FAR EAST:S; MID AS;*
- var. *polycarpus* (Bland. ex Voit) G.Roth *ARC:EURO,WS,ES,BE; EUR:NE,BLR,C,W,E; CAUC; SIB:E,S; MID AS;*
- var. *psuedofluitans* (Sanio) Glow. = *Drepanocladus aduncus*
- badius* (Hartm.) G.Roth = *Loeskypnum badium*
- brevifolius* (Lindb.) Warnst. = *Pseudocalliergon brevifolium*
- capillifolius* (Warnst.) Warnst. = *Drepanocladus aduncus* var. *capillifolius*
- exannulatus* (Guemb. in B.S.G.) Warnst. = *Warnstorfia exannulata*
- fluitans* (Hedw.) Warnst. = *Warnstorfia fluitans*
- var. *falcatus* (Sanio ex C.Jens.) G.Roth = *Warnstorfia h-schulzei*
- intermedius* (Lindb. in Hartm.) Warnst. = *Limprichtia cossoni*
- kneffii* (Schimp.) Warnst. = *Drepanocladus aduncus* var. *kneffii*
- kurilensis* Z.Smirn. = *Warnstorfia fluitans*
- lapponicus* (Norrl.) Z.Smirn. = *Hamatocaulis lapponicus* (Norrl.) Hedenas
- latifolius* (Lindb. et H.Arnell) Warnst. = *Pseudocalliergon brevifolius*

lycopodioides (Brid.) Warnst. = Pseudocalliergon lycopodioides
polycarpus (Bland. ex Voit) Warnst. = Drepanocladus aduncus var. polycarpus
 - var. *capillifolius* (Warnst.) Nyh. = Drepanocladus aduncus var. capillifolius
procerus (Ren. et H. Arnell in Husn.) Warnst. = Warnstorfia exannulata
pseudostramineus (C. Muell.) G. Roth = Warnstorfia pseudostraminea
revolvens (Sw.) Warnst. = Limprichtia revolvens
 - var. *intermedius* (Lindb.) Grout = Limprichtia cossonii
rothae Warnst. = Warnstorfia exannulata
schulzei (Limpr.) G. Roth = Warnstorfia h-schulzei
sendtneri (Schimp. ex C. Muell.) Warnst. ARC:EURO,WS,ES,BE; EUR:NW,NE,N-
 UR,B,BLR,C,W,K,E,S-UR; CAUC; SIB:W,E,S; FAR EAST:N,S; MID AS;
simplicissimus Warnst. EUR:B,C;
tenuinervis T. Kop. EUR:B,NE; SIB:E
trichophyllus (Warnst.) Podp. = Warnstorfia trichophylla
tundrae (H. Arnell ex Lindb. et H. Arnell) Loeske = Warnstorfia exannulata
uncinatus (Hedw.) Warnst. = Sanionia uncinata
vernicosus (Mitt.) Warnst. = Hamatocaulis vernicosus

Drummondia Hook. in Drumm. (ORTHOTRICHACEAE)

clavellata auct. non Hook. in Drumm. = Drummondia sinensis var. ussuriensis
 sinensis C. Muell.
 - var. *ussuriensis* (Broth.) Vitt FAR EAST:S;
turkestanica Broth. [?] MID AS;
ussuriensis Broth. = Drummondia sinensis var. ussuriensis

Dryptodon Brid. (GRIMMIACEAE)

atratus (Mielichh. ex Hornsch.) Limpr. = Grimmia atrata
hartmanii Limpr. = Grimmia hartmanii
incurvus (Hoppe et Hornsch. ex Hornsch.) Brid. = Grimmia elatior
patens (Hedw.) Brid. EUR:NW,B,W; CAUC; SIB:S?

Encalypta Hedw. (ENCALYPTACEAE)

affinis Hedw. f. in Web. et Mohr ARC:ES,BE; EUR:NW,NE,C; CAUC; SIB:E,S; MID
 AS;
alpina Sm. ARC:EURO,WS,ES,BE; EUR:NW; CAUC; SIB:S; MID AS;
brevicollis (Bruch et Schimp. in B.S.G.) Bruch ex Aongstr. ARC:EURO,WS,ES,BE;
 EUR:NW,N-UR; CAUC; SIB:E,S; FAR EAST:N;
brevipes Schljak. ARC:ES,BE; EUR:NW; SIB:E,S;
ciliata Hedw. ARC:ES,BE; EUR:NW,NE,N-UR,B,BLR,C,W,E,S-UR; CAUC; SIB:W,E,S;
 FAR EAST:N,S; MID AS;
 - var. *sibirica* Weinm. = Encalypta sibirica
contorta Hoppe ex Lindb. = Encalypta streptocarpa
intermedia Jur. CAUC; MID AS;
longicollis Bruch ARC:ES,BE; EUR:W;
microstoma Bals. et De Not. CAUC;
mutica Hag. EUR:NW,B;
procera Bruch ARC:EURO,WS,ES,BE; EUR:NW,NE; CAUC; SIB:W,E,S; FAR EAST:N;
rhabdocarpa Schwaegr. = Encalypta rhabdocarpa
rhabdocarpa Schwaegr. ARC:EURO,WS,ES,BE; EUR:NW,NE,N-UR,B,C,W,K,E,S-UR;
 CAUC; SIB:W,E,S; FAR EAST:N; MID AS;
 - var. *leptodon* (Bruch) Lindb. = Encalypta rhabdocarpa var. trachymitra
 - var. *spathulata* (C. Muell.) Husn. = Encalypta spathulata

- var. *trachymitra* (Rip.) Wijk et Marg. CAUC; MID AS;
- sibirica* (Weinm.) Warnst. SIB:S; MID AS;
- spathulata* C.Muell. EUR:NW,C,W,K; CAUC; MID AS;
- streptocarpa* Hedw. ARC:ES; EUR:NW,NE,N-UR,B,BLR,C,W,K,E,S-UR; CAUC;
SIB:W,E,S; FAR EAST:S; MID AS;
- vulgaris* Hedw. ARC:BE; EUR:NW,NE,N-UR,B,BLR,C,W,K,E,S-UR; CAUC; SIB:E,S;
FAR EAST:N; MID AS;

Entodon C.Muell. (ENTODONTACEAE)

- challengeri* (Par.) Card. = *Entodon compressus*
- cladorrhizans* (Hedw.) C.Muell. EUR:BLR?,C?; SIB:S; FAR EAST:S;
- compressus* (Hedw.) C.Muell. EUR:C?; CAUC; SIB:E,S; FAR EAST:S;
- concinus* (De Not.) Par. ARC:ES,BE; EUR:W; CAUC; SIB:E,S; FAR EAST:S; MID
AS;
- diversinervis* Card. FAR EAST:S;
- giraldii* C.Muell. FAR EAST:S;
- luridus* (Griff.) Jaeg. FAR EAST:S;
- okamurae* Broth. ex Card. = *Entodon luridus*
- orthocarpus* (La Pyl.) Lindb. = *Entodon concinus*
- polycarpus* Lazar. = *Entodon luridus*
- ramulosus* Mitt. = *Entodon rubicundus*
- rubicundus* (Mitt.) Jaeg. et Sauerb. FAR EAST:S;
- rufescens* Lazar. FAR EAST:S;
- scabridens* Lindb. FAR EAST:S;
- schleicheri* (Schimp.) Demet. EUR:C,S-UR; CAUC; SIB:S; FAR EAST:S;
- sinense* (Dix.) Lazar. FAR EAST:S;
- sullivantii* (C.Muell.) Lindb.
- var. *attenuatus* (Mitt.) Mizushima = *Entodon sullivantii* var. *versicolor*
- var. *versicolor* (Besch.) Mizushima. FAR EAST:S;
- transbaicalensis* Bardunov SIB:S;

Entosthodon Schwaegr. (FUNARIACEAE)

- angustifolius* Jur. et Milde MID AS;
- attenuatus* (Dicks.) Bryhn MID AS;
- fascicularis* (Hedw.) C.Muell. EUR:B,BLR,W,E?; CAUC; MID AS;
- handelii* (Schiffn.) Lazar. MID AS;
- hungaricus* (Boros) Loeske EUR:W; MID AS;
- pallescens* Jur. CAUC?; MID AS;
- subpallescens* Lazar. = *Entostodon angustifolius*

Ephemerella

- recurvifolia* (Dicks.) Schimp. = *Ephemerum recurvifolium*
- sessile* Nyh. = *Ephemerum sessile*

Ephemerum Hampe (EPHEMERACEAE)

- intermedium* Mitt. = *Ephemerum serratum*
- minutissimum* Lindb. = *Ephemerum serratum* var. *minutissimum*
- patens* Hampe = *Physcomitrella patens*
- recurvifolium* (Dicks.) Boul. EUR:W;
- serratum* (Hedw.) Hampe EUR:NW,B,BLR,C,W;
- var. *angustifolium* B.S.G. = *Ephemerum serratum* var. *minutissimum*
- var. *minutissimum* (Lindb.) Grout EUR:W;

sessile (Bruch) C. Muell. *EUR:W*;
stenophyllum (Voit) Schimp. = *Ephemerum sessile*

E p i p t e r y g i u m Lindb. (BRYACEAE)

rigidum Lindb. ex Broth. = *Epipterygium tozeri*
tozeri (Grev.) Lindb. *CAUC*;

Erythrodontium

subfalcatum Dix. in Lazar. = *Eurohypnum leptothallum*

Erythrophyllum

recurvirostre (Hedw.) Loeske = *Bryoerythrophyllum recurvirostre*
 - var. *dentatum* (Schimp.) Lazar. = *Bryoerythrophyllum alpigenum*
rubellum (Hedw.) Loeske = *Bryoerythrophyllum recurvirostrum*
 - var. *ruberrimum* Ferg. = *Bryoerythrophyllum ferruginascens*
rubrum (Jur. ex Geh.) Loeske = *Bryoerythrophyllum rubrum*

E u c l a d i u m Bruch et Schimp. in B.S.G. (POTTIACEAE)

styriacum Glow. = *Eucladium verticillatum*
verticillatum (Brid.) B.S.G. *EUR:B,W,K,E,S-UR*; *CAUC*; *SIB:S*; *FAR EAST:S*; *MID AS*;

E u r h y n c h i u m Schimp. in B.S.G. (BRACHYTHECIACEAE)

angustirete (Broth.) T. Kop. *EUR:NW,B,BLR,C,W,K*; *CAUC*; *SIB:S*;
calcareum Velen. = *Eurhynchium schleicheri*
circinatum (Brid.) Fleisch et Loeske = *Scorpiurium circinatum*
crassinervium (Wils.) Schimp. *EUR:W,K,E?*; *CAUC*;
diversifolium Schimp. in B.S.G. = *Eurhynchium pulchellum* var. *diversifolium*
eustegium (Besch.) Dix. *FAR EAST:S*;
flotovianum (Sendtn.) Kartt. *EUR:W,K*; *CAUC*;
hians (Hedw.) Sande Lac. *EUR:NW,B,BLR,C,W,K,E,S-UR*; *CAUC*; *SIB:W,E,S*; *FAR EAST:S*; *MID AS*;
meridionale (Schimp. in B.S.G.) De Not. = *Eurhynchium striatulum*
praelongum auct. non (Hedw.) Schimp. in B.S.G. = *Eurhynchium hians*
praelongum (Hedw.) Schimp. in B.S.G. *EUR:NW,B,BLR,W*; *CAUC*; *FAR EAST:S?*;
pulchellum (Hedw.) Jenn. *ARC:EURO,WS,ES,BE*; *EUR:NW,NE,N-UR,B,BLR,C,W,K,E,S-UR*; *CAUC*; *SIB:W,E,S*; *FAR EAST:N,S*; *MID AS*;
 - var. *praecox* (Hedw.) Dix. *ARC:EURO,ES*; *EUR:E*; *CAUC*; *MID AS*;
 - var. *diversifolium* (B.S.G.) C. Jens. *ARC:EURO,ES,BE*; *EUR:S-UR*; *CAUC*; *SIB:S*; *FAR EAST:N*;
pumilum (Wils.) Schimp. *CAUC*;
schleicheri (Hedw.f.) Jur. *EUR:B,W,K*; *CAUC*; *FAR EAST:S?*;
speciosum (Brid.) Jur. *EUR:NW,B,BLR,C,W,K*; *CAUC*; *MID AS*;
stokesii (Turn.) Schimp. in B.S.G. = *Eurhynchium praelongum*
striatulum (Spruce) Schimp. in B.S.G. *EUR:NW,W,K*; *CAUC*;
striatum (Hedw.) Schimp. *EUR:NW,B,BLR,W,K*; *CAUC*;
 - var. *pachycladum* G. Roth = *Eurhynchium angustirete*
strigosum (Web. et Mohr) Schimp. = *Eurhynchium pulchellum*
swartzii (Turn.) Hobk. = *Eurhynchium hians*
 - var. *abbreviatum* (Boul.) Loeske = *Eurhynchium schleicheri*
zetterstedtii Stoerm. = *Eurhynchium angustirete*

E u r o h y p n u m Ando (HYPNACEAE)

leptothallum (C.Muell.) Ando *SIB:S; FAR EAST:S;*

F a b r o n i a Raddi (FABRONIACEAE)

ciliaris (Brid.) Brid. *EUR:S-UR?; CAUC; SIB:S; FAR EAST:S; MID AS;*

matsumurae Besch. *FAR EAST:S;*

octoblepharis (Schleich.) Schwaegr. = *Fabronia ciliaris*

pusilla Raddi *CAUC; MID AS;*

F a u r i e l l a Besch. (THELIACEAE)

tenuis (Mitt.) Card. *FAR EAST:S;*

F i s s i d e n s Hedw. (FISSIDENTACEAE)

adelphinus Besch. *FAR EAST:S;*

adanthoides Hedw. *ARC:ES,BE; EUR:NW,NE,N-UR,B,BLR,C,W,K,E,S-UR; CAUC;*

SIB:W,E,S; FAR EAST:N; MID AS;

arnoldii Ruthe *EUR:B,W; MID AS;*

bambergeri auct. non Schimp. ex Milde = *Fissidens minutulus*

bloxamii Wils. = *Fissidens exilis*

bryoides Hedw. *ARC:EURO,WS,ES,BE; EUR:NW,NE,N-UR,B,BLR,C,W,K,E,S-UR; CAUC;*

SIB:W,E,S; FAR EAST:N,S; MID AS;

- var. *gymnandrus* (Buse in Milde) Ruthe = *Fissidens bryoides*

- var. *viridulus* (Sw.) Broth. = *Fissidens viridulus*

crassipes Wils. ex B.S.G. *EUR:W,S-UR?; CAUC; MID AS;*

- var. *mildeanus* (Schimp. in Milde) Moenk. = *Fissidens crassipes*

- var. *rufipes* Schimp. = *Fissidens crassipes*

cristatus Wils. ex Mitt. = *Fissidens dubius*

decepiens De Not. = *Fissidens dubius*

dubius P.Beauv. *EUR:NW,B,BLR,W,K; CAUC; FAR EAST:S;*

exiguus Sull. *EUR:C,W; CAUC; MID AS;*

exilis Hedw. *EUR:NW,B,BLR,C,W,S-UR; CAUC; SIB:S?; MID AS?;*

fontanus (B.Pyl.) Steud. *EUR:NW,B,W;*

grandifrons Brid. *CAUC; MID AS;*

gymnandrus Buse in Milde = *Fissidens bryoides*

haraldii (Lindb.) Limpr. - excluded

incurvus Starke ex Rohl = *Fissidens bryoides*

- var. *exiguus* (Sull.) Aust. = *Fissidens exiguus*

japonicus Dozy et Molk. = *Fissidens nobilis*

julianus Schimp. = *Fissidens fontanus*

limbatus auct. non Sull. = *Fissidens minutulus*

marginatulus Meln. = *Fissidens bryoides*

mildeanus Schimp. in Milde = *Fissidens crassipes*

minutulus Sull. *EUR:NE,B,C,W,K,E,S-UR; CAUC;*

nobilis Griff. *FAR EAST:S;*

obtusifolius auct. non Wils. = *Fissidens arnoldii*

osmundoides Hedw. *ARC:EURO,ES,BE; EUR:NW,NE,N-UR,B,BLR,C,S-UR; CAUC;*

SIB:W,E,S; FAR EAST:N,S; MID AS;

persicus Ruthe *MID AS;*

pusillus (Wils.) Milde *EUR:B,W,E; CAUC;*

rivularis (Spruce) Bruch et Schimp. in B.S.G. *EUR:K; CAUC;*

rufulus Bruch et Schimp. in B.S.G. *EUR:NE,W;*

- rupestris* Wils. = *Fissidens dubius*
taxifolius Hedw. *EUR:NW,B,BLR,C,W,K,E,S-UR; CAUC; SIB:S; FAR EAST:S;*
ventricosus Lesq. = *Fissidens rufulus*
viridulus (Sw.) Wahlenb. *ARC:ES; EUR:NW,NE,B,C,W; CAUC; SIB:W,S;*
 - ssp. *minutulus* Waldh. = *Fissidens minutulus*
 - var. *pusillus* Wils. = *Fissidens pusillus*
 - var. *tenuifolius* (Boul.) A.J.E.Sm. = *Fissidens minutulus*

Flagellomnium

- flagellare* (Sull. et Lesq.) Lazar. = *Trachycystis flagellaris*

F o n t i n a l i s Hedw. (FONTINALIACEAE)

- antipyretica* Hedw. *ARC:EURO,ES,BE; EUR:NW,NE,N-UR,B,BLR,C,W,K,E,S-UR; CAUC;*
SIB:W,E,S; FAR EAST:N,S; MID AS;
 - var. *gracilis* (Lindb.) Schimp. *ARC:EURO,ES; EUR:NW,NE,B,BLR,C,W,E,S-UR;*
SIB:W,E,S; FAR EAST:N,S;
dalecarlica Bruch et Schimp. in B.S.G. *EUR:NW,NE,N-UR,B,S-UR; SIB:S;*
gothica Card. et H.Arnell = *Fontinalis antipyretica* var. *gracilis*
hypnoides Hartm. *ARC:EURO,ES; EUR:NW,NE,N-UR,B,BLR,C,W,S-UR; CAUC;*
SIB:W,E,S; FAR EAST:S; MID AS;
 - var. *duriaei* (Schimp.) Husn. *EUR:NW,NE; SIB:W,E; MID AS;*
mesopotamica Schiffn. = *Fontinalis hypnoides* var. *duriaei*
nitida Lindb. et H.Arnell = *Fontinalis hypnoides* var. *duriaei*
squamosa Hedw. *EUR:NW,N-UR; SIB:S; FAR EAST:S;*

F o r s s t r o e m i a Lindb. (LEPTODONTACEAE)

- cryphaeoides* Card. *CAUC?; FAR EAST:S;*
japonica (Besch.) Par. *FAR EAST:S;*
kusnezovii Broth. = *Forsstroemia cryphaeoides*
mandschurica Broth. = *Forsstroemia cryphaeoides*
noguchii Stark *SIB:S;*
stricta Lazar. *FAR EAST:S;*
trichomitria (Hedw.) Lindb. *FAR EAST:S;*

F u n a r i a Hedw. (FUNARIACEAE)

- aequidens* Lindb. ex Broth. *CAUC; MID AS;*
arctica (Berggr.) Kindb. *ARC:ES; SIB:E;*
attenuata (Dicks.) Lindb. = *Entostodon attenuatus*
calcareo Wahlenb. = *Funaria muehlenbergii*
 - var. *mediterranea* (Lindb.) C.Jens. et Med. = *Funaria pulchella*
dentata Crome = *Funaria muehlenbergii*
fascicularis (Hedw.) Lindb. = *Entostodon fascicularis*
handelii Schiffn. = *Entostodon handelii*
hungarica Boros = *Entostodon hungaricus*
hygrometrica Hedw. *ARC:EURO,WS,ES,BE; EUR:NW,NE,N-UR,B,BLR,C,W,K,E,S-UR;*
CAUC; SIB:W,E,S; FAR EAST:N,S; MID AS;
 - var. *arctica* Berggr. = *Funaria arctica*
mediterranea Lindb. = *Funaria pulchella*
microstoma Bruch ex Schimp. *EUR:NE,W; MID AS;*
muehlenbergii Tarn. *EUR:W,K,E; CAUC; SIB:S; FAR EAST:S; MID AS;*
pallescens (Jur.) Lindb. = *Entostodon pallescens*
polaris Bryhn *ARC:BE;*

pulchella Philib. CAUC;
subpallescens (Lazar.) Z.Smirn. = *Entostodon angustifolius*

G e h e e b i a Schimp. (POTTIACEAE)

gigantea (Funck) Boul. ARC:ES;

Girgensohnia

ruthenica (Weinm.) Kindb. = *Pleuroziopsis ruthenica*

G l y p h o m i t r i u m Brid. (PTYCHOMITRIACEAE)

humillimum (Mitt.) Card. FAR EAST:S;
warburgii (Broth.) Brid. - excluded

G o l l a n i a Broth. (HYPNACEAE)

amurensis Broth. = *Gollania ruginosa*
densepinnata Dix. = *Gollania turgens*
neckerella (C.Muell.) Broth. - excluded
 - var. *coreense* (Card.) Broth. = *Gollania ruginosa*
ruginosa (Mitt.) Broth. FAR EAST:S;
smirnovii Broth. = *Gollania turgens*
turgens (C.Muell.) Ando SIB:S;
varians (Mitt.) Broth. - excluded

G r i m m i a Hedw. (GRIMMIACEAE)

affinis Hoppe et Hornsch. ex Hornsch. EUR:NW,B,W,S-UR; CAUC; SIB:W,E,S; FAR EAST:N,S; MID AS;
alpestris (Web. et Mohr) Schleich. ex Nees in Nees et al. ARC:BE; EUR:NW,W,S-UR?; CAUC; SIB:E,S; FAR EAST:S; MID AS;
 - var. *sessitana* (De Not.) Hag. = *Grimmia sessitana*
alpicola auct. non Hedw. = *Schistidium rivulare*
alpicola Hedw. = *Schistidium agassizii*
andreaeopsis C.Muell. = *Schistidium andreaeopsis*
anodon Bruch et Schimp. in B.S.G. ARC:BE; EUR:NW,W,K,E; CAUC; SIB:W?,E,S; MID AS;
anomala Hampe ex Schimp. EUR:W; CAUC; FAR EAST:S;
apiculata Hornsch. EUR:W;
apocarpa Hedw. = *Schistidium apocarpum*
atrata Mielichh. ex Hornsch. EUR:W?;
bifrons De Not. = *Grimmia donniana*
brotheri Lindb. ex Broth. = *Grimmia hartmanii* var. *montenegerina*
caespiticia (Brid.) Jur. ARC:EURO,ES; CAUC; SIB:E,S; MID AS;
calvescens Kindb. = *Grimmia funalis*
campestris Burchell ex Hook. = *Grimmia laevigata*
campylopoda (Lazar.) Saito = *Grimmia pitardii*
cardotii Herib. ex Seb. = *Grimmia tergestina* var. *poecilostoma*
caucasica (C.Muell.) Jaeg. = *Grimmia ovalis*
cavifolia Lindb. et H.Arnell (?) SIB:S;
commutata Hueb. = *Grimmia ovalis*
contorta Schimp. = *Grimmia incurva*
crassifolia Lindb. ex Broth. = *Grimmia ovalis*
cribrosa Hedw. = *Coscinodon cribrosus*

- crinita* Brid. *EUR:B?*; *CAUC*; *MID AS*;
curvata (Brid.) De Sloover = *Dryptodon patens*
decipiens (Schultz) Lindb. *EUR:NW,B?,W,K*; *CAUC*;
donniana Sm. *ARC:EURO,BE*; *EUR:NW,N-UR,W*; *CAUC*; *SIB:W?,S*; *FAR EAST:N,S*;
MID AS;
elatior Bruch ex Bals. et De Not. *ARC:ES,BE*; *EUR:NW,B,W,S-UR*; *CAUC*;
SIB:W,E,S; *FAR EAST:S*; *MID AS*;
elongata Kaulf. in Sturm *ARC:EURO,ES,BE*; *EUR:W*; *CAUC*; *SIB:S*; *FAR EAST:S*;
MID AS;
funalis (Schwaegr.) Bruch et Schimp. in B.S.G. *ARC:ES*; *EUR:NW,W*; *CAUC*;
SIB:S; *MID AS*;
 - var. *calvescens* (Kindb.) Moell. = *Grimmia funalis*
gibbosa Agnew = *Grimmia pitardii*
gracilis (Web. et Mohr ex Nees et al.) Schleich. ex Limpr. = *Schistidium strictum*
hartmannii Schimp. *EUR:NW,B,W*; *CAUC*; *FAR EAST:S*;
 - var. *anomala* (Hampe ex Schimp.) Moenk. = *Grimmia anomala*
 - var. *montenegerina* Beck et Szycz. *CAUC*;
incurva Schwaegr. *ARC:EURO,BE*; *EUR:NW,B,W,S-UR*; *CAUC*; *SIB:S*; *FAR EAST:N*;
laevidens Broth. [?] *CAUC*;
laevigata (Brid.) Brid. *EUR:BLR,C,W,K,E,S-UR*; *CAUC*; *SIB:S*; *MID AS*;
mesopotamica Schiffn. *MID AS*;
mollis Bruch et Schimp. in B.S.G. = *Hydrogrimmia mollis*
montana Bruch et Schimp. in B.S.G. *ARC:BE*; *EUR:NW,W,S-UR*; *CAUC*; *SIB:E,S*;
FAR EAST:S; *MID AS*;
muehlenbeckii Schimp. *ARC:EURO,ES*; *EUR:NW,B,BLR,C,W,S-UR*; *CAUC*; *SIB:W,E,S*;
FAR EAST:S;
orbicularis Bruch ex Wils. *EUR:W,K*; *CAUC*; *MID AS*;
ovalis auct. non (Hedw.) Lindb. = *Grimmia affinis*
ovalis (Hedw.) Lindb. *ARC:EURO,ES,BE*; *EUR:NW,N-UR,B,BLR,C,W,K,E,S-UR*; *CAUC*;
SIB:W,S; *FAR EAST:N,S*; *MID AS*;
ovata Web. et Mohr = *Grimmia ovalis*
patens (Hedw.) Bruch et Schimp. in B.S.G. = *Dryptodon patens*
pilifera P.Beauv. *SIB:S*; *FAR EAST:S*;
pitardii Corb. *MID AS*;
plagiopodia Hedw. *EUR:W,E,S-UR*; *CAUC*; *SIB:S*; *MID AS*;
pulvinata (Hedw.) Sm. *EUR:NW,B,BLR,C,W,K,E,S-UR*; *CAUC*; *SIB:S?*; *MID AS*;
 - var. *africana* (Hedw.) Hook. f. = *Grimmia orbicularis*
ryani Limpr. = *Grimmia funalis*
schultzii (Brid.) Hueb. = *Grimmia decipiens*
sessitana De Not. *CAUC*; *SIB:S*; *FAR EAST:N,S*; *MID AS*;
 - var. *subsulcata* (Limpr.) Breidl. = *Grimmia alpestris*
spiralis Hook. et Tayl. = *Grimmia funalis*
stricta Turn. = *Schistidium strictum*
subsulcata Limpr. = *Grimmia alpestris*
sulcata Saut. = *Grimmia caespiticia*
tergestina Tomm. ex B.S.G. *EUR:K*; *CAUC*; *SIB:E,S*; *FAR EAST:S*; *MID AS*;
 - var. *poecilostoma* (Card. et Seb.) Loeske *EUR:K*; *CAUC*; *MID AS*;
 - var. *tergestinoides* Culm. *EUR:W*;
tergestinoides Culm. = *Grimmia tergestina* var. *tergestinoides*
torquata Hornsch. in Grev. *ARC:ES,BE*; *EUR:NW*;
trichophylla Grev. *ARC:BE*; *EUR:NW,NE,B,BLR,C,W,K,E,S-UR*; *CAUC*;
 - var. *muehlenbeckii* (Schimp.) Husn. = *Grimmia muehlenbeckii*

- leucostoma* (Bosch et Sande Lac.) Fleisch. *FAR EAST:S*;
longicollis (Hedw.) Lindb. *ARC:EURO,WS,ES,BE; EUR:NW,NE,W,S-UR; CAUC;*
SIB:W,E,S; FAR EAST:N,S; MID AS;
ludwigii (Spreng ex Schwaegr.) Broth. *ARC:EURO; EUR:NW,N-UR,W; CAUC;*
melanodon (Brid.) Shaw *EUR:NE,B,BLR,C,W,K,E,S-UR; CAUC; SIB:E,S; FAR*
EAST:S; MID AS;
minor Schleich. ex Schwaegr. = *Pohlia elongata* var. *greenii*
nutans (Hedw.) Lindb. *ARC:EURO,WS,ES,BE; EUR:NW,NE,N-UR,B,BLR,C,W,K,E,S-UR;*
CAUC; SIB:W,E,S; FAR EAST:N,S; MID AS;
obtusifolia (Brid.) L.Koch *ARC:EURO,ES,BE; EUR:NW,NE,N-UR,W; CAUC; SIB:S;*
polymorpha auct. non Hoppe et Hornsch. ex Hornsch. = *Pohlia elongata* var.
greenii
polymorpha Hoppe et Hornsch. ex Hornsch. = *Pohlia elongata*
proliger (Kindb. ex Breidl.) Lindb. ex H.Arnell *ARC:EURO,WS,ES,BE;*
EUR:NW,NE,N-UR,B,BLR,C,S-UR; CAUC; SIB:E,S; FAR EAST:N,S;
pulchella (Hedw.) Lindb. = *Pohlia lescuriana*
rothii (Corr. ex Limpr.) Broth. = *Pohlia filum*
rothii auct. non (Corr. ex Limpr.) Broth. = *Pohlia andalusica*
rutilans (Schimp.) Lindb. = *Pohlia nutans*
saprophila (C.Muell.) Broth. *EUR:NE?; SIB:S; MID AS;*
schimperii (C.Muell.) Andrews in Grout = *Pohlia nutans*
sphagnicola (Bruch et Schimp.) Lindb. et H.Arnell *ARC:EURO,ES; EUR:NW,NE,N-*
UR,B,S-UR; CAUC; SIB:W,E; MID AS;
torrentium (Hag.) Broth. = *Pohlia filum*
vexans (Limpr.) H.Lindb. *SIB:E;*
viridis Lindb. et H.Arnell [?] *SIB:E;*
wahlenbergii (Web. et Mohr) Andrews in Grout *ARC:EURO,WS,ES,BE;*
EUR:NW,NE,N-UR,B,BLR,C,W,K,E,S-UR; CAUC; SIB:W,E,S; FAR EAST:N,S;
MID AS;
 - var. *glacialis* (Brid.) Warb. *ARC:EURO; EUR:NW; CAUC; SIB:S; MID AS;*

Polytrichastrum G.L.Sm. (POLYTRICHACEAE)

- alpinum* (Hedw.) G.L.Sm. *ARC:EURO,WS,ES,BE; EUR:NW,NE,N-UR,B?,C?,W,S-UR;*
CAUC; SIB:W,E,S; FAR EAST:N,S; MID AS;
 - var. *fragile* (Bryhn) Long *ARC:EURO,ES,BE; EUR:NW; SIB:E,S; FAR EAST:N;*
MID AS;
formosum (Hedw.) G.L.Sm. = *Polytrichum formosum*
fragile (Bryhn) Schljak. = *Polytrichastrum alpinum* var. *fragile*
longisetum (Brid.) G.L.Sm. = *Polytrichum longisetum*
norvegicum (Hedw.) Schljak. *ARC:EURO,WS,ES,BE; EUR:NW;*
pallidisetum (Funck) G.L.Sm. = *Polytrichum pallidisetum*
sexangulare (Brid.) G.L.Sm. = *Polytrichum sexangulare*

Polytrichum Hedw. (POLYTRICHACEAE)

- affine* Fack = *Polytrichum strictum*
algidum Hag. et C.Jens. = *Polytrichum swartzii*
alpestre Hoppe = *Polytrichum strictum*
alpinum Hedw. = *Polytrichastrum alpinum*
 - var. *fragile* (Bryhn) Nyh. = *Polytrichastrum alpinum* var. *fragile*
 - var. *septentrionale* (Sw.) Lindb. = *Polytrichastrum norvegicum*
attenuatum Menz. ex Brid. = *Polytrichum formosum*

Helicodontium

- pulvinatum* (Wahlenb.) Lindb. = *Myrinia pulvinata*
rotundifolium H. Arnell = *Myuroclada rotundifolia*

Helodium Warnst. (HELODIACEAE)

- amurense* Broth. = *Helodium paludosum*
blandowii (Web. et Mohr) Warnst. ARC:EURO,WS,ES,BE; EUR:NW,NE,N-UR,B,BLR,C,W,E,S-UR; CAUC; SIB:W,E,S; FAR EAST:N,S; MID AS;
lanatum Broth. = *Helodium blandowii*
paludosum (Sull.) Aust. SIB:S; FAR EAST:S;
sachalinense (Lindb.) Broth. = *Bryochenea sachalinensis*

Herpetineuron (C. Muell.) Card. (ANOMODONTACEAE)

- toccoe* (Sull. et Lesq. in Sull.) Card. SIB:S; FAR EAST:S;

Herzogiella Broth. (HYPNACEAE)

- adscendens* (Lindb.) Iwats. et Schof. ARC:BE; FAR EAST:N,S;
selligeri (Brid.) Iwats. EUR:NW,NE,B,BLR,C,W,K,E; CAUC; MID AS;
striatella (Brid.) Iwats. ARC:EURO,ES; EUR:NW,NE,B?,W; FAR EAST:S;
turfacea (Lindb.) Iwats. EUR:NW,NE,N-UR,B,C; SIB:W,E,S; FAR EAST:S;

Heterocladium Schimp. in B.S.G. (THUIDIACEAE)

- dimorphum* (Brid.) Schimp. in B.S.G. ARC:EURO; EUR:NW,W,S-UR; CAUC; SIB:S;
 FAR EAST:N,S;
heteropterum Schimp. in B.S.G. EUR:W; CAUC;
papillosum (Lindb.) Lindb. = *Pseudoleskeella papillosa*
procurrens (Mitt.) Jaeg. ARC:BE;
squarrosulum Lindb. = *Heterocladium dimorphum*

Heterophyllum (Schimp.) C. Muell. ex Kindb. (SEMATOPHYLLACEAE)

- adscendens* (Lindb.) Broth. = *Herzogiella adscendens*
affine (Hook. ex Kunth) Fleisch. EUR:W; CAUC; SIB:S; FAR EAST:S;
haldanianum (Grev.) Kindb. = *Callicladium haldanianum*
nemosum (Koch ex Brid.) Kindb. = *Heterophyllum affine*

Hilpertia Zander (POTTIACEAE)

- velenovskyi* (Schiffn.) Zander EUR:W; SIB:E;

Homalia (Brid.) Bruch et Schimp. in B.S.G. (NECKERACEAE)

- besseri* Lob. EUR:NW,N-UR,W,K,S-UR; CAUC; SIB:S;
japonica Besch. FAR EAST:S;
trichomanoides (Hedw.) Bruch et Schimp. in B.S.G. EUR:NW,NE,B,BLR,C,W,K,E,S-UR; CAUC; SIB:W,E,S; FAR EAST:S; MID AS;
woronowii Ther. [?] CAUC;

Homaliadelphus Dix. et P. Varde in Dix. (NECKERACEAE)

- laevidentatus* (Okam.) Iwats. FAR EAST:S;
targionianus (Mitt.) Dix. et P. Varde
 - var. *laevidentatus* (Okam.) Nog. = *Homaliadelphus laevidentatus*

Homalothecium Schimp. in B.S.G. (BRACHYTHECIACEAE)

- aristatum* Lazar. = *Homalothecium philippeanum*
aureum (Spruce) Robins. *EUR:K; CAUC; MID AS;*
caucasicum (Limpr.) Par. = *Brachythecium geheebii*
geheebii (Milde) Wigh = *Brachythecium geheebii*
laeisetum Sande Lac. *FAR EAST:S;*
lutescens (Hedw.) Robins. = *Camptothecium lutescens*
nitens (Hedw.) Robins. = *Tomentypnum nitens*
philippeanum (Spruce) Schimp. in B.S.G. *EUR:W,K; CAUC; MID AS;*
sericeum (Hedw.) Schimp. in B.S.G. *EUR:NW,N-UR?,B,BLR,C,W,K,E,S-UR?; CAUC;*
MID AS;
tokiodense (Mitt.) Besch. = *Homalothecium laeisetum*

Homomallium (Schimp.) Loeske (HYPNACEAE)

- connexum* (Card.) Broth. *FAR EAST:S;*
incurvatum (Brid.) Loeske *EUR:NW,B,BLR,C,W,K,E,S-UR; CAUC; SIB:E,S; FAR*
EAST:S;
plagiangium (C.Muell.) Broth. *FAR EAST:S;*

Hondarella Dix. et Sak. (HYPNACEAE)

- brachytheciella* (Broth. et Par.) Ando *FAR EAST:S;*

Hookeria Sm. (HOOKERIAEAE)

- acutifolia* Hook. et Grev. *CAUC;*
lucens (Hedw.) Sm. *EUR:W; CAUC;*

Hydrogonium (C.Muell.) Jaeg. (POTTIACEAE)

- arcuatum* (Griff.) Wijk et Marg. *MID AS;*
ehrenbergii (Lor.) Jaeg. *MID AS;*
mamatkulovii Lazar. *MID AS;*

Hydrogrimmia (Hag.) Loeske (GRIMMIACEAE)

- mollis* (Bruch et Schimp in B.S.G.) Loeske *ARC:BE; EUR:NW,N-UR; CAUC; SIB:S;*
FAR EAST:N;

Hygroamblystegium Loeske (AMBLYSTEGIACEAE)

- fallax* (Brid.) Loeske = *Cratoneuron filicinum* var. *atrovirens*
fluviatile (Hedw.) Loeske *EUR:NW,B,BLR,C,W,S-UR; CAUC;*
irriguum (Hook. et Wils.) Loeske = *Hygroamblystegium tenax*
tenax (Hedw.) Jenn. *EUR:B,BLR,C,W,K,S-UR; CAUC; SIB:W,S; FAR EAST:S; MID*
AS;
 - var. *spinifolium* (Schimp.) Jenn. *CAUC;*

Hygrohypnum Lindb. (AMBLYSTEGIACEAE)

- alpestre* (Hedw.) Loeske *ARC:EURO,ES,BE; EUR:NW,NE,N-UR,S-UR; SIB:E,S;*
alpinum (Lindb.) Loeske - excluded
arcticum (Mitt.) Loeske = *Hygrohypnum smithii*
cochlearifolium (Vent. ex De Not.) Broth. *ARC:BE; EUR:NW; SIB:E,S;*
dilatatum (Wils. ex Schimp.) Loeske = *Hygrohypnum molle*
dilatatum auct. non (Wils. ex Schimp.) Loeske = *Hygrohypnum duriusculum*

- duriusculum* (De Not.) Jamieson *ARC:EURO, BE; EUR:NW, N-UR, W, S-UR; CAUC; SIB: E, S; FAR EAST: S; MID AS;*
ehlei (H. Arnell) Broth. = *Hygrohypnum polare* var. *falcatum*
egyrium (Schimp.) Broth. *FAR EAST: S;*
goulardii (Schimp.) Loeske = *Hygrohypnum cochlearifolium*
luridum (Hedw.) Jenn. *ARC:EURO, WS, ES, BE; EUR:NW, NE, N-UR, B, BLR, C, W, K, E, S-UR; CAUC; SIB: W, E, S; FAR EAST: N, S; MID AS;*
molle auct. non (Hedw.) Loeske = *Hygrohypnum duriusculum*
molle (Hedw.) Loeske *ARC:EURO; EUR:NW, W; CAUC;*
 - ssp. *dilatatum* (Wils.) Dix. = *Hygrohypnum duriusculum*
norvegicum (Schimp. in B.S.G.) Amann *EUR:NW; SIB: E; FAR EAST: S;*
ochraceum (Turn. ex Wils.) Loeske *ARC:EURO, ES, BE; EUR:NW, NE, N-UR, B, W, S-UR; CAUC; SIB: W, E, S; FAR EAST: N, S; MID AS;*
palustre (Brid.) Loeske = *Hygrohypnum luridum*
polare (Lindb.) Loeske *ARC:EURO, ES, BE; EUR:NW, N-UR; SIB: W, E, S; FAR EAST: N, S; MID AS;*
 - var. *falcatum* Broth. *ARC: ES, BE; SIB: E, S; FAR EAST: N, S; MID AS;*
rivulare (Sw.) Broth. = *Hygrohypnum alpestre*
smithii (Sw. ex Lilj.) Broth. *EUR:NW; CAUC; SIB: W?; MID AS;*
 - var. *goulardii* (Schimp.) Wijk et Marg. = *Hygrohypnum cochlearifolium*
viridulum (Hartm.) Broth. = *Hygrohypnum norvegicum*

H y l o c o m i a s t r u m Fleisch. in Broth. (HYLOCOMIACEAE)

- pyrenaicum* (Spruce) Fleisch. in Broth. *ARC:EURO, WS, ES, BE; EUR:NW, NE, N-UR, C, W, E, S-UR; CAUC; SIB: W, E, S; FAR EAST: N, S;*
umbratum (Hedw.) Fleisch. in Broth. *EUR:NW, N-UR, B, C, W, S-UR; CAUC; SIB: S; FAR EAST: N, S; MID AS;*

H y l o c o m i o p s i s Card. (HYLOCOMIACEAE)

- ovicarpa* (Besch.) Card. *FAR EAST: S;*

H y l o c o m i u m Schimp. in B.S.G. (HYLOCOMIACEAE)

- alaskanum* (Lesq. et James) Aust. = *Hylocomium splendens* var. *obtusifolium*
brevirostre (Brid.) Schimp. in B.S.G. = *Loeskeobryum brevirostre*
parietinum (Hedw.) Lindb. = *Pleurozium schreberi*
pyrenaicum (Spruce) Lindb. = *Hylocomiastrum pyrenaicum*
splendens (Hedw.) Schimp. in B.S.G. *ARC:EURO, WS, ES, BE; EUR:NW, NE, N-UR, B, BLR, C, W, K, E, S-UR; CAUC; SIB: W, E, S; FAR EAST: N, S; MID AS;*
 - var. *alaskanum* (Lesq. et James) Limpr. = *Hylocomium splendens* var. *obtusifolium*
 - var. *obtusifolium* (Geh.) Par. *ARC:EURO, WS, ES, BE; SIB: E, S;*
umbratum (Hedw.) Schimp. in B.S.G. = *Hylocomiastrum umbratum*

H y m e n o s t o m u m

- krassavinii* Lazar. = *Weissia krassavinii*
microstomum (Hedw.) R.Br. ex Nees et Hornsch. = *Weisia brachycarpa*
papillosissimum (Lazar.) L.Savicz = *Weissia papillosissima*
rostellatum (Brid.) Schimp. = *Weisia rostellata*
squarrosum Nees et Hornsch. = *Weisia squarrosum*
tortile (Schwaegr.) Bruch et Schimp. in B.S.G. = *Weisia condensata*

H y m e n o s t y l i u m Brid. (POTTIACEAE)

- curvirostre* Mitt. = *Hymenostylium recurvirostre*
recurvirostre (Hedw.) Dix. ARC:EURO,WS,ES,BE; EUR:NW,NE,N-UR,B,W,E,S-UR;
 CAUC; SIB:W,E,S; FAR EAST:S; MID AS;
 - var. *latifolium* (Zett.) Wijk et Marg. EUR:B; CAUC; SIB:S; MID AS;

H y o c o m i u m Schimp. in B.S.G. (HYPNACEAE)

- amoricum* (Brid.) Wijk et Marg. CAUC?;

H y o p h i l a Brid. (POTTIACEAE)

- involuta* (Hook.) Jaeg. SIB:S; FAR EAST:S;
riparia (Aust.) Fleisch. in Britt. = *Hyophila involuta*
tortula (Schwaegr.) Hampe = *Hyophila involuta*

H y p n u m Hedw. (HYPNACEAE)

- andoi* A.J.E.Smith = *Hypnum mamillatum*
arcuatum Lindb. = *Hypnum lindbergii*
bambergeri Schimp. ARC:EURO,WS,ES,BE; EUR:NW,NE,N-UR,W; SIB:E,S; FAR
 EAST:N,S;
callichroum Funck ex Brid. ARC:EURO,WS,ES,BE; EUR:NW,NE,N-UR,W,S-UR; CAUC;
 SIB:E,S; FAR EAST:N,S;
cupressiforme Hedw. ARC:EURO,WS,ES,BE; EUR:NW,NE,N-UR,B,BLR,C,W,K,E,S-UR;
 CAUC; SIB:W,E,S; FAR EAST:N,S; MID AS;
 - var. *ericetorum* Schimp. in B.S.G. = *Hypnum jutlandicum*
 - var. *filiforme* Brid. = *Hypnum cupressiforme*
 - var. *julaceum* Brid. CAUC;
 - var. *lacunosum* Brid. SIB:S; MID AS;
 - var. *subjulaceum* Mol. CAUC; MID AS;
densirameum Ando FAR EAST:S;
fastigiatum Brid. = *Hypnum recurvatum*
 - var. *recurvatum* (Lindb. ex H.Arnell) Uggla = *Hypnum recurvatum*
fauriei Card. FAR EAST:S;
fertile Sendtn. EUR:NW,B,BLR,W,S-UR?; CAUC; SIB:W,S; FAR EAST:S; MID AS;
hamulosum Schimp. in B.S.G. ARC:EURO,ES,BE; EUR:NW,NE,N-UR,W; CAUC;
 SIB:S;
imponens Hedw. EUR:B,BLR,W,K; CAUC; MID AS?;
jutlandicum Holmen et Warncke EUR:W;
leptothallum C.Muell. = *Eurohypnum leptothalum*
lindbergii Mitt. ARC:EURO,WS,ES,BE; EUR:NW,NE,N-UR,B,BLR,C,W,E,S-UR; CAUC;
 SIB:W,E,S; FAR EAST:N,S; MID AS;
mamillatum (Brid.) Loeske EUR:B,W;
pallescens (Hedw.) P.Beauv. EUR:NW,NE,B,BLR,C,W,K,E,S-UR; CAUC; SIB:W,E,S;
 FAR EAST:N,S; MID AS;
 - var. *reptile* (Michx.) Husn. = *Hypnum pallescens*
plicatulum (Lindb.) Jaeg. ARC:EURO,WS,ES,BE; EUR:N-UR; SIB:W,E,S; FAR
 EAST:N,S;
plumaeforme Wils. CAUC; FAR EAST:S;
pratense Koch ex Spruce ARC:EURO,WS,ES,BE; EUR:NW,NE,N-UR,B,BLR,C,W,E,S-UR;
 SIB:W,E,S; FAR EAST:N,S;
procerrimum Mol. = *Ctenidium procerrimum*

- recurvatum* (Lindb. et H. Arnell) Kindb. *ARC:EURO,ES,BE; EUR:NW,NE,N-UR,W,S-UR; CAUC; SIB:W?,E,S; FAR EAST:S;*
reptile Michx. = *Hypnum pallescens*
revolutum (Mitt.) Lindb. *ARC:EURO,WS,ES,BE; EUR:NW,NE,N-UR,W,K; CAUC; SIB:E,S; FAR EAST:N; MID AS;*
saitoi Ando *FAR EAST:S;*
scariosifolium C. Muell. = *Hypnum cupressiforme*
siuzevii (Broth.) Broth. = *Pylaisiadelpha tenuirostris*
subimponens Lesq. *ARC:WS,ES,BE; SIB:E; FAR EAST:N;*
subplicatile (Lindb.) Limpr. = *Hypnum plicatulum*
tristo-viride (Broth.) Par. *FAR EAST:S;*
vaucheri Lesq. *ARC:EURO,ES,BE; EUR:NW,NE,N-UR,C,W,K,E,S-UR; CAUC; SIB:W,E,S; FAR EAST:N,S; MID AS;*

Hypopterygium Brid. (HYPOPTERYGIACEAE)

- japonicum* Mitt. *FAR EAST:S;*

Indusiella Broth. et C. Muell. in Broth. (GRIMMIACEAE)

- thianschanica* Broth. et C. Muell. in Broth. *CAUC; SIB:S; MID AS;*

Isopterygiopsis Iwats. (HYPNACEAE)

- alpicola* (Lindb. et H. Arnell) Hedenaes *EUR:NW; SIB:E,S;*
muellerana (Schimp.) Iwats. *ARC:EURO,WS,BE; EUR:W; CAUC; SIB:S; FAR EAST:S;*
pulchella (Hedw.) Iwats. *ARC:EURO,WS,ES,BE; EUR:NW,NE,N-UR,B,C,W,S-UR; CAUC; SIB:W,E,S; FAR EAST:N,S; MID AS;*

Isopterygium

- alpicola* (Lindb. et H. Arnell) Nyh. = *Isopterygiopsis alpicola*
alternans Card. = *Taxiphyllum alternans*
elegans (Brid.) Lindb. = *Pseudotaxiphyllum elegans*
muellerianum (Schimp.) Jaeg. = *Isopterygiopsis muelleriana*
nitidum Lindb. = *Isopterygiopsis pulchellum*
piliferum (Sw. ex Hartm.) Loeske = *Plagiothecium piliferum*
pulchellum (Hedw.) Jaeg. = *Isopterygiopsis pulchella*
 - var. *nitidum* (Wahlenb.) G. Roth = *Isopterygiopsis pulchella*
seligeri (Brid.) Dix. in C. Jens. = *Herzogiella seligeri*
silesiacum (Selig. ex P. Beauv.) Kindb. = *Herzogiella seligeri*
striatellum (Brid.) Loeske = *Herzogiella striatella*
turfaceum (Lindb.) Lindb. = *Herzogiella turfacea*

Isothecium Brid. (BRACHYTHECIACEAE)

- alopecuroides* (Dubois) Isov. *EUR:NW,B,BLR,C,W,K; CAUC;*
diversiforme (Mitt.) Besch. = *Dolichomitriopsis diversiforme*
fileszensis (Brid.) Moenk. = *Eurhynchium striatulum*
hakkodense Besch. *FAR EAST:S;*
myosuroides Brid. *EUR:NW,B,W; CAUC;*
myurum (Brid.) Brid. = *Isothecium alopecuroides*
viviparum Lindb. = *Isothecium alopecuroides*

I w a t s u k i e l l a Buck et Crum (LESKEACEAE)

leucotricha (Mitt.) Buck et Crum *EUR:S-UR; SIB:S; FAR EAST:N,S;*

J a f f u e l i o b r y u m Ther. (GRIMMIACEAE)

latifolium (Lindb. et H.Arnell) Ther. *SIB:S;*

K i a e r i a Hag. (DICRANACEAE)

blyttii (Schimp.) Broth. *ARC:BE; EUR:NW,N-UR,B,W,S-UR; SIB:S?; FAR EAST:N;*

falcata (Hedw.) Hag. *ARC:EURO; EUR:NW,N-UR,W; CAUC; SIB:S; FAR EAST:N;*

glacialis (Beggr.) Hag. *ARC:EURO,WS,ES,BE; EUR:NW,N-UR; SIB:W,E; FAR EAST:N;*

starkei (Web. et Mohr) Hag. *ARC:EURO,WS,BE; EUR:NW,N-UR,W,S-UR; CAUC; SIB:W,S; FAR EAST:N,S;*

- var. *blyttii* (Schimp.) Hag. = *Kiaeria blyttii*

Krauseella

tschuctschica C.Muell. = *Tetraplodon paradoxus*

L e p t o b a r b u l a Schimp. (POTTIACEAE)

berica (De Not.) Schimp. *CAUC;*

L e p t o b r y u m (Bruch et Schimp. in B.S.G.) Wils. (BRYACEAE)

pyriforme (Hedw.) Wils. *ARC:EURO,WS,ES,BE; EUR:NW,NE,N-UR,B,BLR,C,W,E,S-UR; CAUC; SIB:W,E,S; FAR EAST:N,S; MID AS;*

L e p t o d i c t y u m (Schimp.) Warnst. (AMBLYSTEGIACEAE)

humile (P.Beauv.) Ochyra *ARC:EURO,WS,ES; EUR:NW,NE,N-UR,B,BLR,C,W,E,S-UR; CAUC; SIB:W,E,S; FAR EAST:N,S; MID AS;*

kochii (Schimp. in B.S.G.) Warnst. = *Leptodictyum humile*

riparium (Hedw.) Warnst. *ARC:EURO,ES,BE; EUR:NW,NE,N-UR,B,BLR,C,W,K,E,S-UR; CAUC; SIB:W,E,S; FAR EAST:N,S; MID AS;*

trichopodium (Schultz) Warnst. = *Leptodictyum humile*

- var. *curvipes* (Guemb. in B.S.G.) Broth. = *Leptodictyum humile*

L e p t o d o n Mohr (LEPTODONTACEAE)

smithii (Hedw.) Web. et Mohr *EUR:K; CAUC;*

L e p t o d o n t i u m (C.Muell.) Hampe ex Lindb. (POTTIACEAE)

styriacum (Jur.) Limpr. *SIB:S; FAR EAST:S;*

L e p t o p t e r i g y n a n d r u m C.Muell. (LESKEACEAE)

austro-alpinum C.Muell. *ARC:BE; SIB:S;*

Leptotrichum spp. = *Ditrichum* spp.

L e s c u r a e a Schimp. in B.S.G. (LESKEACEAE)

incurvata (Hedw.) Lawt. = *Pseudoleskea incurvata*

mutabilis (Brid.) Lindb. *EUR:N-UR,W; CAUC; SIB:S; FAR EAST:N; MID AS;*

- var. *saxicola* (Schimp. in B.S.G.) Hag. = *Lescuraea saxicola*

patens (Lindb.) H.Arnell et C.Jens. = *Pseudoleskea patens*

plicata (Web. et Mohr) Broth. = *Ptychodium plicatum*
radicosa (Mitt.) Moenk. = *Pseudoleskea radicata*
 - var. *taurica* (Sapoh.) Lazar. = *Pseudoleskea saviana*
saviana (De Not.) Lawt. = *Pseudoleskea saviana*
saxicola (Schimp. in B.S.G.) Milde *ARC:EURO,BE; EUR:NW,W,S-UR; CAUC;*
SIB:E,S; FAR EAST:S; MID AS;

L e s k e a Hedw. (LESKEACEAE)

latifolia Lindb. ex Broth. = *Amblystegium varium*
polycarpa Hedw. *ARC:EURO; EUR:NW,NE,B,BLR,C,W,K,E,S-UR; CAUC; SIB:W,E,S;*
FAR EAST:S; MID AS;

L e s k e e l l a (Limpr.) Loeske (LESKEACEAE)

incrassata (Lindb. ex Broth.) Broth. *EUR:K?; CAUC;*
nervosa (Brid.) Loeske *ARC:ES,BE; EUR:NW,NE,N-UR,B,BLR,C,W,K,E,S-UR; CAUC;*
SIB:E,S; FAR EAST:N,S; MID AS;

Lesquereuxia

robusta Lindb. = *Rigodiadelphus robustus*

L e u c o b r y u m Hampe (LEUCOBRYACEAE)

glaucum (Hedw.) Aongstr. in Fries *EUR:B,BLR,C,W,K; CAUC; FAR EAST:S;*
juniperoideum (Brid.) C.Muell. *EUR:B,W; CAUC; FAR EAST:S;*

L e u c o d o n Schwaegr. (LEUCODONTACEAE)

caucasicus Jur. et Milde = *Leucodon immersus*
immersus Lindb. *CAUC; MID AS;*
pendulus Lindb. *FAR EAST:S;*
sciuroides (Hedw.) Schwaegr. *ARC:EURO; EUR:NW,N-UR,B,BLR,C,W,K,E,S-UR;*
CAUC; SIB:E,S; FAR EAST:S; MID AS;

L i m p r i c h t i a Loeske (AMBLYSTEGIACEAE)

cossonii (Schimp.) Anderson et al. *ARC:EURO,WS,ES,BE; EUR:NW,NE,B,BLR,C,W,S-*
UR; CAUC; SIB:E,S; FAR EAST:N,S; MID AS;
intermedia (Lindb. in Hartm.) Loeske = *Limprichtia cossonii*
revolvens (Sw.) Loeske *ARC:EURO,WS,ES,BE; EUR:NW,NE,N-UR,B,C,W; CAUC;*
SIB:W,E,S; FAR EAST:N,S; MID AS;
vernica (Mitt.) Loeske = *Hamatocaulis vernicosus*

L i n d b e r g i a Kindb. (LESKEACEAE)

brachyptera (Mitt.) Kindb. *CAUC; SIB:S;*
duthiei (Broth.) Broth. [?] *FAR EAST:S;*
japonica Card. *FAR EAST:S;*

L o e s k e o b r y u m Fleisch. in Broth. (HYLOCOMIACEAE)

brevirostre (Brid.) Fleisch. in Broth. *EUR:C?,W,K; CAUC; SIB:S?; FAR EAST:N;*

L o e s k y p n u m Paul (AMBLYSTEGIACEAE)

badium (Hartm.) Paul *ARC:EURO,WS,ES,BE; EUR:NW,NE,B; SIB:E,S; FAR EAST:N;*

Lydiaea

klassovii (Lazar.) Lazar. = *Phascum vlassovii*

L y e l l i a R.Br. (POLYTRICHACEAE)

aspera (Hag. et C.Jens. in C.Jens.) Frye in Grout *ARC:ES,BE; SIB:E,S; FAR EAST:N;*

lescurii (James) Salm. = *Bartramiopsis lescurii*

M a c r o m i t r i u m Brid. (ORTHOTRICHACEAE)

hymenostomum Mont. *FAR EAST:S;*

incurvum (Lindb.) Mitt. = *Macromitrium japonicum*

insulanum Podp. = *Macromitrium japonicum*

japonicum Dozy et Molk. *FAR EAST:S;*

okamurae Broth. = *Macromitrium hymenostomum*

sibiricum Podp. = *Herpetineuron toccoe*

M a m i l l a r i e l l a Lazar. (LESKEACEAE)

geniculata Lazar. *FAR EAST:S;*

M e e s i a Hedw. (MEESIACEAE)

hexasticha (Funk) Bruch *EUR:NE?,B,BLR;*

longiseta Hedw. *ARC:EURO,WS,ES,BE; EUR:NW,NE,B,BLR,C,W,S-UR; CAUC; SIB:W,E,S; FAR EAST:S;*

trichoides Spruce = *Meesia uliginosa*

trifaria Crum et al. = *Meesia triquetra*

triquetra (Richter) Aongstr. *ARC:EURO,WS,ES,BE; EUR:NW,NE,N-UR,B,BLR,C,W,S-UR; CAUC; SIB:W,E,S; FAR EAST:N,S;*

tschuetschica C.Muell. = *Meesia triquetra*

uliginosa Hedw. *ARC:EURO,WS,ES,BE; EUR:NW,NE,N-UR,B,BLR,C,W,S-UR?; CAUC; SIB:W,E,S; FAR EAST:N,S; MID AS;*

Merceya

lingulata (Spruce) Schimp. = *Scopelophila lingulata*

M e t a n e c k e r a Steere (NECKERACEAE)

menziesii (Hook. in Drumm.) Steere *EUR:K; CAUC;*

Metzleria

alpina (Schimp. ex Milde) Hag. = *Atractylocarpus alpinus*

M i e l i c h h o f e r i a Nees et Hornsch. in Nees et al. (BRYACEAE)

caucasica Schimp. ex Broth. = *Mielichhoferia himalayana*

elongata (Hoppe et Hornsch. ex Hook.) Hornsch. in Nees et al. = *Mielichhoferia mielichhoferiana* var. *elongata*

himalayana Mitt. *CAUC; SIB:S; MID AS;*

japonica Besch. *FAR EAST:S;*

macrocarpa (Hook. in Drumm.) Bruch et Schimp. ex Jaeg. *SIB:S; MID AS;*

mielichhoferi auct. = *Mielichhoferia mielichhoferiana*

mielichhoferiana (Funk in Hook.) Loeske *ARC:BE; CAUC; SIB:S; MID AS;*

- var. *elongata* (Hoppe et Hornsch. ex Hook.) Wijk et Marg. *MID AS;*

- var. *japonica* (Besch.) Ochi = *Mielichhoferia japonica*

nitida Hornsch. in Nees et al. = *Mielichhoferia mielichhoferiana*
porsildii Hag. = *Mielichhoferia macrocarpa*

Mildeella

bryoides (Dicks.) Limpr. = *Pottia bryoides*

M i y a b e a Broth. (THUIDIACEAE)

fruticella (Mitt.) Broth. FAR EAST:S;

rotundifolia Card. FAR EAST:S;

Mniobryum

albicans (Wahlenb.) Limpr. = *Pohlia wahlenbergii*

- var. *pacificum* Podp. = *Pohlia wahlenbergii*

atropurpureum (Wahlenb.) Hag. = *Pohlia atropurpurea*

carneum (Schimp.) Limpr. = *Pohlia melanodon*

delicatulum (Hedw.) Dix. = *Pohlia melanodon*

ludwigii (Spreng. ex Schwaegr.) Loeske = *Pohlia ludwigii*

pulchellum (Hedw.) Loeske = *Pohlia lescuriana*

wahlenbergii (Web. et Mohr) Jenn. = *Pohlia wahlenbergii*

- var. *glacialis* (Brid.) Wijk et Marg. = *Pohlia wahlenbergii* var. *glacialis*

- var. *pacificum* (Podp.) Savicz = *Pohlia wahlenbergii*

M n i u m Hedw. (MNIACEAE)

acutum Lindb. = *Plagiomnium acutum*

affine Bland. = *Plagiomnium affine*

ambiguum H.Muell. ARC:EURO,WS,ES,BE; EUR:NW,NE,N-UR,BLR,W,K,S-UR; CAUC;

SIB:W,E,S; FAR EAST:N,S; MID AS;

amurense Broth. = *Plagiomnium acutum*

andrewsianum Steere = *Rhizomnium andrewsianum*

arcuatum Broth. = *Trachycystis ussuriensis*

blyttii Bruch et Schimp. in B.S.G. ARC:EURO,WS,ES,BE; EUR:NW,NE,N-UR; SIB:E,S;

cinclidioides Hueb. = *Pseudobryum cinclidioides*

confertidens Lindb. et H.Arnell = *Plagiomnium confertidens*

curvatulum (Lindb.) Lindb. = *Plagiomnium medium* var. *curvatulum*

curvulum C.Muell. = *Trachycystis ussuriensis*

cuspidatum Hedw. = *Plagiomnium cuspidatum*

drummondii Bruch et Schimp. = *Plagiomnium drummondii*

ellipticum Brid. = *Plagiomnium ellipticum*

flagellare Sull. et Lesq. = *Trachycystis flagellaris*

heterophyllum (Hook.) Schwaegr. EUR:C; CAUC; SIB:S; FAR EAST:S; MID AS;

- var. *sapporensis* (Besch.) Kab. = *Mnium heterophyllum*

hornum Hedw. EUR:NW,NE,B,BLR,W,K,S-UR; CAUC; SIB:S; FAR EAST:S; MID AS;

hymenophylloides Hueb. = *Cyrtomnium hymenophylloides*

hymenophyllum Bruch et Schimp. in B.S.G. = *Cyrtomnium hymenophyllum*

immarginatum (Lindb. ex Broth.) Broth. = *Trachycystis ussuriensis*

inclinatum Lindb. = *Mnium ambiguum*

japonicum Lindb. = *Plagiomnium japonicum*

laevinerve Card. SIB:S; FAR EAST:S; MID AS;

lindbergii Z.Smirn. = *Mnium ambiguum*

longirostre Brid. = *Plagiomnium rostratum*

lycopodioides auct. non Schwaegr. = *Mnium ambiguum*

magnifolium Horik. = *Rhizomnium magnifolium*

- magnirete* (Lindb. et H. Arnell) Kindb. [?] *ARC:ES*;
marginatum (Dicks.) Beauv. *ARC:EURO,ES,BE; EUR:NW,NE,N-UR,B,BLR,C,W,K,E,S-UR; CAUC; SIB:W,E,S; FAR EAST:N,S; MID AS*;
maximoviczii Lindb. = *Plagiomnium maximoviczii*
medium Bruch et Schimp. in B.S.G. = *Plagiomnium medium*
 - var. *curvatulum* (Lindb.) Kindb. = *Plagiomnium medium* var. *curvatulum*
 - var. *integrifolium* Lindb. = *Plagiomnium medium* var. *curvatulum*
microovale C. Muell. = *Plagiomnium maximoviczii*
microphyllum Dozy et Molk. = *Trachycystis microphyllum*
minutulum Besch. = *Rhizomnium parvulum*
nudum Britt. et Williams = *Rhizomnium nudum*
orthorrhynchum auct. = *Mnium thomsonii*
pseudopunctatum Bruch et Schimp. = *Rhizomnium pseudopunctatum*
punctatum Hedw. = *Rhizomnium punctatum*
 - var. *elatum* Schimp. = *Rhizomnium magnifolium*
riparium Mitt. = *Mnium ambiguum*
rostratum Schrad. = *Plagiomnium rostratum*
rugicum Laur. = *Plagiomnium ellipticum*
sapporense Besch. = *Mnium heterophyllum*
seligeri auct. non Jur. ex Warnst. = *Plagiomnium elatum*
serratum Schrad. ex Brid. = *Mnium marginatum*
shirjaevii Podp. = *Plagiomnium acutum*
silvaticum Lindb. = *Plagiomnium cuspidatum*
spinosum (Voit) Schwaegr. *ARC:EURO,ES,BE; EUR:NW,NE,N-UR,W,K,S-UR; CAUC; SIB:E,S; FAR EAST:N,S; MID AS*;
spinulosum Bruch et Schimp. in B.S.G. *ARC:WS; EUR:NE,W,E,S-UR; CAUC; SIB:W,S; FAR EAST:S; MID AS*;
stellare Hedw. *ARC:EURO,WS,ES; EUR:NW,NE,N-UR,B,BLR,C,W,K,E,S-UR; CAUC; SIB:W,E,S; FAR EAST:S; MID AS*;
striatulum Mitt. = *Rhizomnium striatulum*
thomsonii Schimp. *ARC:EURO,ES,BE; EUR:NW,NE,N-UR,W; CAUC; SIB:W,E,S; FAR EAST:N,S; MID AS*;
trichomanes Mitt. = *Plagiomnium acutum*
undulatum Hedw. = *Plagiomnium undulatum*
ussuriense Maack et Regel in Regel = *Trachycystis ussuriensis*
vesicatum Besch. = *Plagiomnium vesicatum*

M o l e n d o a Lindb. (POTTIACEAE)

- hornschuchiana* (Hook.) Lindb. ex Limpr. *EUR:W*;
sendtneriana (Bruch et Schimp. in B.S.G.) Limpr. *ARC:EURO,ES; EUR:N-UR,C,W,S-UR?; CAUC; SIB:S; FAR EAST:S; MID AS*;
 - var. *transcaspica* Gyoerffy *MID AS*;
seravschanica Broth. et Gyoerffy *MID AS*;
tenuinervis Limpr. *ARC:ES; EUR:NE*;

Mollia

- aeruginosa* (Sm.) Lindb. = *Gymnostomum aeruginosum*
calcareum (Nees et Hornsch. in Nees et al.) Lindb. = *Gymnostomum calcareum*
crispa (Hedw.) Lindb. = *Astomum crispum*
tenuis (Hedw.) Lindb. = *Gyroweisia tenuis*
verticillata (Brid.) Lindb. = *Eucladium verticillatum*

Myrini Schimp. (MYRINIACEAE)

pulvinata (Wahlenb.) Schimp. *ARC:EURO,ES,BE; EUR:NW,NE,B,C,S-UR; SIB:W,E,S;*
rotundifolia (H.Arnell) Broth. = *Myuroclada rotundifolia*

Myurella Schimp. in B.S.G. (THELIACEAE)

acuminata Lindb. et H.Arnell [?] *SIB:E;*
apiculata (Sommerf.) Schimp. in B.S.G. = *Myurella tenerrima*
gracilis Lindb. = *Myurella sibirica*
julacea (Schwaegr.) Schimp. in B.S.G. *ARC:EURO,ES,BE; EUR:NW,NE,N-UR,B,W,K,S-UR; CAUC; SIB:W,E,S; FAR EAST:N,S; MID AS;*
sibirica (C.Muell.) Reim. *ARC:EURO,WS,ES,BE; EUR:N-UR; SIB:W,E,S; FAR EAST:S;*
tenerrima (Brid.) Lindb. *ARC:EURO,WS,ES,BE; EUR:NW,N-UR,W; CAUC; SIB:E,S; FAR EAST:N,S; MID AS;*

Myuroclada Besch. (BRACHYTHECIACEAE)

concinna Besch. = *Myuroclada maximoviczii*
maximoviczii (Borszcz. in Maxim.) Steere et Schof. *EUR:NE; SIB:W,E,S; FAR EAST:N,S;*
rotundifolia (H.Arnell) A.Abr. et I.Abr. *SIB:E;*

Neckera Hedw. (NECKERACEAE)

besseri (Lob.) Jur. = *Homalia besseri*
borealis Nog. *SIB:S; FAR EAST:S;*
complanata (Hedw.) Hueb. *EUR:NW,B,BLR,C,W,K; CAUC;*
crispa Hedw. *EUR:NW,B,BLR,W,K; CAUC;*
oligocarpa Bruch = *Neckera pennata* var. *tenera*
pennata Hedw. *ARC:EURO,ES; EUR:NW,NE,N-UR,B,BLR,C,W,K,E,S-UR; CAUC; SIB:W,E,S; FAR EAST:N,S;*
 - var. *tenera* C.Muell. *ARC:EURO,ES,BE; EUR:NW,NE,S-UR; SIB:E,S; FAR EAST:N,S;*
pumila Hedw. *EUR:W,S-UR; CAUC;*
turgida Jur. = *Metaneckera menziesii*
webbiana auct. non (Mont.) Duell = *Homalia besseri*
yezoana Besch. *FAR EAST:S;*

Neckeradelphus

varians Lazar. = *Neckera yezoana*

Nyholmiella

gymnostoma (Bruch ex Brid.) Holmen et Warncke = *Orthotrichum gymnostomum*
obtusifolia (Brid.) Holmen et Warncke = *Orthotrichum obtusifolium*

Octodiceras

fontanum (Pyl.) Lindb. = *Fissidens fontanus*
julianum (Savi ex Lam. et DC.) Brid. = *Fissidens fontanus*

Oedipodium Schwaegr. (OEDIPODIACEAE)

griffithianum (Dicks.) Schwaegr. *FAR EAST:S?;*

O k a m u r a e a Broth. (LESKEACEAE)

- brachydictyon* (Card.) Nog. FAR EAST:S;
filipendula Dix. in Lazar. = *Okamuraea hakoniensis*
hakoniensis (Mitt.) Broth. FAR EAST:S;
 - var. *ussuriensis* (Broth.) Nog. = *Okamuraea brachydictyon*
ussuriensis (Broth.) Broth. = *Okamuraea brachydictyon*

O l i g o t r i c h u m DC. in Lam. et DC. (POLYTRICHACEAE)

- aligerum* Mitt. FAR EAST:S;
alcatum Steere ARC:ES,BE; SIB:E; FAR EAST:N;
glabratum (Wahlenb.) Lindb. = *Psilopilum laevigatum*
hercynicum (Hedw.) DC. in Lam. et DC. ARC:EURO,WS,ES,BE; EUR:NW,N-
 UR,W,C,S-UR; CAUC; SIB:W,E; FAR EAST:N,S;
incurvum Lindb. = *Oligotrichum hercynicum*
japonicum Card. = *Oligotrichum parallelum*
laevigatum (Wahlenb.) Bruch et Schimp. in B.S.G. = *Psilopilum laevigatum*
lescurii (James) Mitt. = *Bartramiopsis lescurii*
mamillosum Broth. = *Bartramiopsis lescurii*
parallelum (Mitt.) Kindb. FAR EAST:N,S;
sibiricum Bard. = *Polytrichum longisetum*
tschuctschicum (C.Muell.) Kindb. = *Psilopilum cavifolium*

O n c o p h o r u s (Brid.) Brid. (DICRANACEAE)

- compactus* (Bruch et Schimp. in B.S.G.) Schljak. ARC:EURO,WS,ES,BE; EUR:NW;
 SIB:E;
crispifolius (Mitt.) Lindb. FAR EAST:S;
virens (Hedw.) Brid. ARC:EURO,WS,ES,BE; EUR:NW,NE,N-UR,W,S-UR; CAUC;
 SIB:W,E,S; FAR EAST:N,S; MID AS;
 - var. *serratus* (Bruch et Schimp. in B.S.G.) Braithw. = *Oncophorus virens*
wahlenbergii Brid. ARC:EURO,WS,ES,BE; EUR:NW,NE,N-UR,B,C,W,S-UR; CAUC;
 SIB:W,E,S; FAR EAST:N,S; MID AS;
 - var. *compactus* (Bruch et Schimp. in B.S.G.) Braithw. = *Oncophorus compactus*

O r e a s Brid. (DICRANACEAE)

- martiana* (Hoppe et Hornsch. ex Hornsch.) Brid. ARC:BE; CAUC; SIB:S; MID AS;

O r t h o d i c r a n u m (Bruch et Schimp. in B.S.G.) Loeske (DICRANACEAE)

- flagellare* (Hedw.) Loeske EUR:NW,NE,B,BLR,C,W,E,S-UR; CAUC; SIB:W,E,S; FAR
 EAST:S; MID AS;
fragilifolium (Lindb.) Podp. = *Dicranum fragilifolium*
hamulosum (Mitt.) Broth. FAR EAST:S;
mayrii (Broth.) Z.Smirn. FAR EAST:S;
montanum (Hedw.) Loeske EUR:NW,NE,N-UR,B,BLR,C,W,E,S-UR; CAUC; SIB:W,E,S;
 FAR EAST:N,S; MID AS;
strictum (Schleich. ex Mohr) Culm. EUR:NW,BLR,C,W,K; CAUC; FAR EAST:N;
tauricum (Sapsh.) Z.Smirn. = *Orthodicranum strictum*

O r t h o d o n t i u m Schwaegr. (BRYACEAE)

- lineare* Schwaegr. EUR:B;

Orthodontopsis Ignatov et Tan (BRYACEAE)

bardunovii Ignatov et Tan SIB:S;

Orthothecium Schimp in B.S.G. (HYPNACEAE)

chryseon (Schwaegr. ex Schultes) Schimp. in B.S.G. ARC:EURO,WS,ES,BE;
EUR:NW,N-UR; SIB:S;

complanatum Kindb. = *Orthothecium rufescens*

intricatum (C.Hartm.) Schimp. in B.S.G. ARC:EURO; EUR:NE,N-UR,W,K; CAUC;
SIB:S; MID AS;

rufescens (Brid.) Schimp. in B.S.G. ARC:EURO,WS,ES,BE; EUR:NE,N-UR,W; CAUC;
SIB:S;

strictum Lor. ARC:EURO,ES,BE; EUR:NW,NE,N-UR; SIB:S;

Orthotrichum Hedw. (ORTHOTRICHACEAE)

affine Brid. EUR:NW,B,BLR,C,W,K,S-UR; CAUC; SIB:S; FAR EAST:N,S; MID AS;

- var. *fastigiatum* (Bruch ex Brid.) Hueb. = *Orthotrichum fastigiatum*

alpestre Hornsch. in B.S.G. EUR:NW,W,S-UR; CAUC; SIB:E,S; MID AS;

anomalum Hedw. ARC:EURO,ES; EUR:NW,NE,N-UR,B,BLR,C,W,K,E,S-UR; CAUC;
SIB:S; FAR EAST:S; MID AS;

- var. *saxatile* Milde = *Orthotrichum anomalum*

arcticum Schimp. = *Orthotrichum pylaisii*

blyttii Schimp. = *Orthotrichum pylaisii*

braunii Bruch et Schimp. in B.S.G. = *Orthotrichum stellatum*

consobrinum Card. FAR EAST:S;

cribrosum C.Muell. = *Orthotrichum sordidum*

cupulatum Brid. EUR:NW,B,BLR,C,W,K; CAUC; SIB:S; MID AS;

- var. *riparium* Hueb. EUR:B,C,W,K;

diaphanum Brid. EUR:B,BLR,W,K; CAUC; MID AS;

elegans Schwaegr. ex Grev. = *Orthotrichum speciosum*

fallax Bruch ex Brid. = *Orthotrichum pumilum*

fastigiatum Bruch in Brid. EUR:B,BLR,C,W,K,E,S-UR; CAUC; FAR EAST:S?; MID
AS;

gymnostomum Bruch ex Brid. EUR:NW,B,BLR,C,W,K; CAUC;

imperfectum C.Muell. = *Orthotrichum urnigerum*

killiasii C.Muell. = *Orthotrichum speciosum*

laevigatum Zett. EUR:NE; MID AS;

leucomitrium Bruch et Schimp. in B.S.G. = *Orthotrichum scanicum*

limprichtii Hag. CAUC;

lyellii Hook. et Tayl. EUR:B,BLR,W; CAUC; MID AS;

microblephare Schimp. = *Orthotrichum pylaisii*

microcarpum De Not. CAUC;

nudum Dicks. MID AS;

obtusifolium Brid. ARC:BE; EUR:NW,NE,B,BLR,C,W,K,E,S-UR; CAUC; SIB:W,E,S;
FAR EAST:N,S; MID AS;

octoblephare Brid. = *Orthotrichum affine*

pallens Bruch ex Brid. ARC:BE; EUR:NW,B,BLR,W,K,E; CAUC; SIB:S; MID AS;

patens Bruch ex Brid. EUR:B,BLR,W,E; CAUC; MID AS;

perforatum C.Muell. = *Orthotrichum sordidum*

platylepharis C.Muell. = *Orthotrichum speciosum*

pumilum Sw. EUR:NW,B,BLR,C,W,K,E,S-UR; CAUC; SIB:S; MID AS;

pylaisii Brid. ARC:EURO,BE; EUR:NW;

rogeri Brid. CAUC;
rupestre Schleich. ex Schwaegr. EUR: NW, B, W, K, S-UR; CAUC; SIB: S; MID AS;
 - var. *sturmii* (Hoppe et Hornsch. ex Hornsch.) Jur. EUR: B; CAUC; MID AS;
saxatile (Milde) Schimp. = *Orthotrichum anomalum*
scanicum Groenv. EUR: W; SIB: S;
schimperii Hammar = *Orthotrichum pumilum*
schubartianum Lor. = *Orthotrichum urnigerum* var. *schubartianum*
sibiricum Groenv. in Lindb. et H. Arnell [?] ARC: ES;
sordicum Sull. et Lesq. in Aust. ARC: BE; SIB: S; FAR EAST: S;
speciosum Nees in Sturm ARC: EURO, ES, BE; EUR: NW, NE, B, BLR, C, W, K, E, S-UR;
 CAUC; SIB: W, E, S; FAR EAST: N, S; MID AS;
stellatum Brid. FAR EAST: S?;
stramineum Hornsch. ex Brid. EUR: B, BLR, W, K; CAUC;
striatum Hedw. EUR: B, BLR, C, W, K, E; CAUC; SIB: S; FAR EAST: S; MID AS;
subperforatum C. Muell. = *Orthotrichum sordidum*
tenellum Bruch ex Brid. EUR: BLR, W, K, E; CAUC; MID AS;
urnaceum C. Muell. CAUC;
urnigerum Myr. ARC: BE; EUR: NW; CAUC; MID AS;
 - var. *schubartianum* (Lor.) Vent. CAUC;
vicarium Lazar. MID AS;

Oxyrrhynchium spp. = *Eurhynchium* spp.

O x y s t e g u s (Limpr.) Hilp. (POTTIACEAE)

cylindricus (Bruch ex Brid.) Hilp. = *Oxystegus tenuirostris*
tenuirostris (Hook. et Tayl.) A.J.E. Smith ARC: ES, BE; EUR: NW, B, BLR, W, S-UR;
 CAUC; SIB: E, S; FAR EAST: N, S; MID AS;

Pachyfissidens

grandifrons (Brid.) Limpr. = *Fissidens grandifrons*
karataviensis Sams. = *Fissidens grandifrons*

P a l a m o c l a d i u m C. Muell. (BRACHYTHECIACEAE)

euchloron (C. Muell.) Wijk et Marg. EUR: K; CAUC; MID AS;

P a l u d e l l a Brid. (MEESIACEAE)

squarrosa (Hedw.) Brid. ARC: EURO, WS, ES, BE; EUR: NW, NE, N-UR, B, BLR, C, W, S-UR;
 CAUC; SIB: W, E, S; FAR EAST: N, S; MID AS;

P a l u s t r i e l l a Ochyra (HELODIACEAE)

commutata (Hedw.) Ochyra ARC: EURO, ES, BE; EUR: NW, N-UR, B, BLR, C, W, K, E;
 CAUC; SIB: W, E, S; FAR EAST: N, S; MID AS;
 - var. *fallax* (Brid.) Ochyra EUR: NE, B, C; CAUC; MID AS;
decipiens (De Not.) Ochyra ARC: ES; EUR: NW, NE, N-UR, B, BLR, W, S-UR; CAUC;
 SIB: E, S; FAR EAST: N; MID AS;

P a r a l e u c o b r y u m (Lindb.) Loeske (DICRANACEAE)

enerve (Thed. in Hornem.) Loeske ARC: EURO, BE; EUR: NW, N-UR, W; CAUC; SIB: S;
 FAR EAST: S; MID AS;
fulvum (Hook.) Loeske = *Dicranum fulvum*

longifolium (Hedw.) Loeske ARC:EURO, BE; EUR:NW, NE, N-UR, B, BLR, C, W, E, S-UR;
CAUC; SIB:W, E, S; FAR EAST:N, S; MID AS;
sauteri (Bruch et Schimp. in B.S.G.) Loeske EUR:NW, B, W; CAUC;
viride (Sull. et Lesq.) Podp. = *Dicranum viride*

Phascum Hedw. (POTTIACEAE)

acaulon With. = *Phascum cuspidatum*
curvicolle Hedw. EUR:B, W; MID AS;
cuspidatum Hedw. ARC:BE; EUR:NW, B, BLR, C, W, K, E, S-UR; CAUC; SIB:E, S; MID AS;
- var. *piliferum* (Hedw.) Amann = *Phascum cuspidatum*
piliferum Hedw. = *Phascum cuspidatum*
vlassovii Lazar. CAUC; MID AS;

Philocrya

aspera Hag. et C.Jens. in C.Jens. = *Lyellia aspera*

Philonotis Brid. (BARTRAMIACEAE)

arnellii Husn. ARC:EURO, BE; EUR:NW, NE, B, W;
caespitosa Jur. = *Philonotis fontana* var. *caespitosa*
calcareae (Bruch et Schimp. in B.S.G.) Schimp. = *Philonotis fontana* var. *falcata*
fontana (Hedw.) Brid. ARC:EURO, WS, ES, BE; EUR:NW, NE, N-UR, B, BLR, C, W, K, E, S-UR;
CAUC; SIB:W, E, S; FAR EAST:N, S; MID AS;
- var. *adpressa* (Ferg.) Limpr. = *Philonotis fontana*
- var. *caespitosa* (Jur.) Schimp. ARC:BE; EUR:NW, NE, N-UR, B, BLR, C, W, E, S-UR;
CAUC; SIB:E, S; FAR EAST:N; MID AS;
- var. *falcata* (Hook.) Brid. EUR:NW, NE, B, W; CAUC; SIB:S; MID AS;
- var. *pumila* (Turn.) Brid. ARC:EURO, WS, ES, BE; EUR:NW, NE, N-UR, W; CAUC;
SIB:W, E, S; FAR EAST:N; MID AS;
- var. *seriata* (Mitt.) Kindb. ARC:EURO, WS; EUR:NW, NE, N-UR, B, W; CAUC;
SIB:W, E, S; MID AS;
marchica (Hedw.) Brid. EUR:NE, B, BLR, C, W; CAUC; FAR EAST:S; MID AS;
rigida Brid. CAUC;
seriata Mitt. = *Philonotis fontana* var. *seriata*
tomentella Mol. = *Philonotis fontana* var. *pumila*

Physcomitrella Bruch et Schimp. in B.S.G. (FUNARIACEAE)

patens (Hedw.) Schimp. in B.S.G. EUR:NW, B, BLR, C, W, E, S-UR; SIB:W, E;

Physcomitrium (Brid.) Brid. (FUNARIACEAE)

acuminatum (Schleich.) Bruch et Schimp. in B.S.G. = *Physcomitrium eurystomum*
arenicola Lazar. EUR:W, E;
eurystomum Sendtn. EUR:BLR, C, W, E, S-UR; CAUC; FAR EAST:S; MID AS;
martjanovii Broth. [?] SIB:S; MID AS;
pyriforme (Hedw.) Hampe EUR:NW, B, BLR, C, W, E, S-UR; CAUC; SIB:W, S; FAR
EAST:S; MID AS;
sphaericum (Ludw.) Brid. EUR:NW, BLR, W; CAUC; SIB:W, S; FAR EAST:S; MID
AS;

Plagiobryum Lindb. (BRYACEAE)

demissum (Hook.) Lindb. ARC:ES, BE; EUR:NW; CAUC; SIB:S; MID AS;
- ssp. *hultenii* Ochi et Perss. = *Plagiobryum hultenii*

hultenii (Ochi et Perss.) Hedderson FAR EAST:S;
zieri (Hedw.) Lindb. ARC:EURO; EUR:NW,W; CAUC; SIB:E,S; FAR EAST:S; MID AS;

Plagiomnium T.Kop. (MNIACEAE)

acutum (Lindb.) T.Kop. SIB:S; FAR EAST:N,S;
affine (Bland.) T.Kop. ARC:EURO,WS,ES,BE; EUR:NW,NE,N-UR,B,BLR,C,W,K,E,S-UR;
 CAUC?; MID AS?;
confertidens (Lindb. et H.Arnell) T.Kop. EUR:NE,N-UR,S-UR; SIB:W,E,S; FAR EAST:S; MID AS;
curvatulum (Lindb.) Schljak. = *Plagiomnium medium* var. *curvatulum*
cuspidatum (Hedw.) T.Kop. ARC:EURO,ES,BE; EUR:NW,NE,N-UR,B,BLR,C,W,K,E,S-UR;
 CAUC; SIB:W,E,S; FAR EAST:N,S; MID AS;
 - var. *trichomanes* (Mitt.) Nog. = *Plagiomnium acutum*
drummondii (Bruch et Schimp.) T.Kop. EUR:NW,NE,B,C,S-UR; SIB:E,S; FAR EAST:S;
elatum (Bruch et Schimp. in B.S.G.) T.Kop. ARC:EURO,ES;
 EUR:NW,NE,B,BLR,C,W,E?; CAUC; MID AS.
ellipticum (Brid.) T.Kop. ARC:EURO,WS,ES,BE; EUR:NW,NE,N-UR,B,BLR,C,W,K,E,S-UR;
 CAUC; SIB:W,E,S; FAR EAST:N,S; MID AS;
japonicum (Lindb.) T.Kop. FAR EAST:S;
maximoviczii (Lindb.) T.Kop. SIB:S; FAR EAST:S;
medium (Bruch et Schimp. in B.S.G.) T.Kop. ARC:EURO,WS,ES,BE; EUR:NW,NE,N-UR,B,BLR,C,W,K,E,S-UR;
 CAUC; SIB:W,E,S; FAR EAST:N,S; MID AS;
 - ssp. *curvatulum* (Lindb.) T.Kop. ARC:EURO,WS,ES,BE; EUR:NW,NE; SIB:E; FAR EAST:N;
microovale C.Muell. = *Plagiomnium maximoviczii*
rostratum (Schrad.) T.Kop. ARC:EURO; EUR:NW,NE,N-UR,B,BLR,C,W,K,E,S-UR;
 CAUC; SIB:W,E?,S?; FAR EAST:S?; MID AS;
 - var. *vesicatum* (Besch.) Nog. = *Plagiomnium vesicatum*
undulatum (Hedw.) T.Kop. EUR:NW,B,BLR,C,W,K; CAUC;
vesicatum (Besch.) T.Kop. SIB:S; FAR EAST:S;

Plagiopus Brid. (BARTRAMIACEAE)

oederiana (Sw.) Crum et Anderson ARC:ES,BE; EUR:NW,NE,N-UR,B,W,K,S-UR;
 CAUC; SIB:W,E,S; FAR EAST:N,S; MID AS;

Plagiotheciella

latebricola (Schimp. in B.S.G.) Fleisch. = *Plagiothecium latebricola*
pilifera (Sw. ex Hartm.) Fleisch. = *Plagiothecium piliferum*

Plagiothecium Schimp. in B.S.G. (PLAGIOTHECIAEAE)

aomoriense Besch. = *Taxiphyllum aomoriense*
bergrenianum Frisvoll ARC:EURO,WS,ES,BE;
cavifolium (Brid.) Iwats. ARC:EURO,WS,ES,BE; EUR:NW,NE,N-UR,B,BLR,C,W,E,S-UR;
 CAUC; SIB:W,E,S; FAR EAST:N,S;
cordifolium Lazar. [?] FAR EAST:S;
curvifolium Schleich. ex Limpr. = *Plagiothecium laetum*
delicatulum Broth. = *Vesicularia flaccida*
denticulatum (Hedw.) Schimp. in B.S.G. ARC:EURO,WS,ES,BE; EUR:NW,NE,N-UR,B,BLR,C,W,E,S-UR;
 CAUC; SIB:W,E,S; FAR EAST:N,S; MID AS;
 - var. *laetum* (Schimp. in B.S.G.) Lindb. = *Plagiothecium laetum*

- var. *obtusifolium* (Turn.) Moore = *Plagiothecium denticulatum*
- var. *undulatum* Ruthe ex Geh. *EUR:NE,B,C,W;*
- donnianum* (Sm.) Mitt. = *Plagiothecium denticulatum*
- elegans* (Brid.) Sull. in Gray = *Pseudotaxiphyllum elegans*
- kolesnikovii* Lazar. = *Herzogiella turfacea*
- laetum* Schimp. in B.S.G. *ARC:EURO,WS,ES,BE; EUR:NW,NE,N-UR,B,BLR,C,W,E,S-UR;*
CAUC; SIB:W,E,S; FAR EAST:N,S; MID AS;
- latebricola* Schimp. in B.S.G. *EUR:NW,B,BLR,C,W,S-UR; CAUC; SIB:W,S; FAR*
EAST:S; MID AS;
- neckeroidium* Schimp. in B.S.G. *EUR:W; SIB:S; FAR EAST:S;*
- neglectum* Moenk. = *Plagiothecium nemorale*
- nemorale* (Mitt.) Jaeg. *EUR:NE?,N-UR,B,BLR,C,W,E; CAUC; FAR EAST:S;*
- obtusissimum* Broth. *FAR EAST:S;*
- piliferum* (Sw. ex Hartm.) Schimp. in B.S.G. *ARC:EURO,BE; EUR:NW,N-UR,W;*
SIB:W,E,S; FAR EAST:S;
- plathyphyllum* Moenk. *EUR:NW,B,W; CAUC;*
- platycladum* (Card.) Broth. [?] *FAR EAST:S;*
- pulchellum* (Hedw.) Schimp. in B.S.G. = *Isopterygiopsis pulchella*
- var. *nitidum* (Wahlenb.) Ren. et Card. = *Isopterygiopsis pulchella*
- roeseanum* Schimp. in B.S.G. = *Plagiothecium cavifolium*
- ruthei* Limpr. = *Plagiothecium denticulatum* var. *undulatum*
- silesiacum* (Selig. ex P.Beauv.) Schimp. in B.S.G. = *Herzogiella seligeri*
- striatellum* (Brid.) Lindb. = *Herzogiella striatella*
- succulentum* (Wils.) Lindb. = *Plagiothecium nemorale*
- succulentum* auct. non (Wils.) Lindb. = *Plagiothecium cavifolium*
- sylvaticum* (Brid.) Schimp. in B.S.G. = *Plagiothecium denticulatum*
- sylvaticum* auct. non (Brid.) Schimp. in B.S.G. = *Plagiothecium cavifolium*
- turfaceum* (Lindb.) Lindb. = *Herzogiella turfacea*
- turgescens* Broth. = *Taxiphyllum alternans*
- undulatum* (Hedw.) Schimp. in B.S.G. *EUR:W; CAUC;*

Plasteurhynchium

- striatulum* (Spruce) Fleisch. = *Eurhynchium striatulum*

P l a t y d i c t y a Berk. (HYPNACEAE)

- confervoides* (Brid.) Crum *EUR:NW,B,BLR,W,E,S-UR; CAUC; SIB:S; MID AS;*
- jungermannioides* (Brid.) Crum *ARC:EURO,ES,BE; EUR:NW,NE,N-UR,B,W,S-UR;*
CAUC; SIB:W,E,S; FAR EAST:S; MID AS;
- subtilis* (Hedw.) Crum *ARC:EURO,WS; EUR:NW,NE,N-UR,B,BLR,C,W,K,E,S-UR; CAUC;*
SIB:W,S; FAR EAST:S; MID AS;

P l a t y g y r i u m Schimp in B.S.G. (HYPNACEAE)

- imbricatum* Podp. = *Schwetschkeopsis fabronia*
- repens* (Brid.) Schimp. in B.S.G. *ARC:EURO,WS; EUR:NW,N-UR,B,BLR,C,W,E,S-UR;*
CAUC; SIB:W,E,S; FAR EAST:S; MID AS;
- ussuriense* Dix. et Lazar. in Lazar. = *Hondaella brachytheciella*

Platyhypnidium

- riparioides* (Hedw.) Dicks. = *Rhynchostegium riparioides*
- rusciforme* (Schimp. in B.S.G.) Fleisch. = *Rhynchostegium riparioides*

Pleuroidium Rabenh. (DITRICHACEAE)

- acuminatum* Lindb. *EUR:B?,BLR,W,K; FAR EAST:S;*
aternifolium (Hedw.) Brid. = *Pleuroidium subulatum*
axillare (Sm.) Lindb. = *Pseudephemerum nitidum*
palustre (Bruch et Schimp.) Bruch et Schimp. in B.S.G. = *Sporidiera palustris*
subulatum (Hedw.) Rabenh. *EUR:NW,B,BLR,C,W,E,S-UR; CAUC; SIB:S; FAR EAST:S;*

Pleurochaete Lindb. (POTTIACEAE)

- squarrosa* (Brid.) Lindb. *EUR:K; CAUC; MID AS;*

Pleuropus

- euchloron* (Bruch) Broth. = *Palamocladium euchloron*

Pleuroweisia Limpr. (POTTIACEAE)

- schliephackei* Limpr. *CAUC; MID AS;*

Pleuroziopsis Kindb. ex Britt. (PLEUROZIOPSIDACEAE)

- ruthenica* (Weinm.) Kindb. ex Britt. *FAR EAST:N,S;*

Pleurozium Mitt. (HYLOCOMIACEAE)

- schreberi* (Brid.) Mitt. *ARC:EURO,WS,ES,BE; EUR:NW,NE,N-UR,B,BLR,C,W,K,E,S-UR;*
CAUC; SIB:W,E,S; FAR EAST:N,S; MID AS;

Podperea Iwats. et Glime (HYPNACEAE)

- krylovii* (Podp.) Iwats. et Glime *ARC:BE; SIB:S; FAR EAST:S;*

Pogonatum P.Beauv. (POLYTRICHACEAE)

- aloides* (Hedw.) Beauv. *EUR:B,BLR,C,W,K; CAUC;*
alpinum (Hedw.) Roehl. = *Polytrichastrum alpinum*
asperrimum Besch. = *Pogonatum contortum*
capillare (Michx.) Brid. = *Pogonatum dentatum*
contortum (Brid.) Lesq. *FAR EAST:S;*
dentatum (Brid.) Brid. *ARC:EURO,WS,ES,BE; EUR:NW,NE,N-UR,B,S-UR; SIB:W,E,S;*
FAR EAST:N,S;
eroso-dentatum Sak. = *Pogonatum inflexum*
grandiflorum (Lindb.) Jaeg. = *Pogonatum japonicum*
himalayanum Mitt. = *Pogonatum urnigerum*
inflexum (Lindb.) Sande Lac. *FAR EAST:S;*
japonicum Sull. et Lesq. *FAR EAST:N,S;*
laterale Schimp. in Jard. = *Pogonatum contortum*
lorycalyx (C.Muell.) Par. = *Pogonatum dentatum*
micro-capillare (C.Muell.) Par. = *Pogonatum dentatum*
nanum (Hedw.) P.Beauv. *EUR:B,BLR,W,K; CAUC;*
neesii (C.Muell.) Dozy *CAUC; FAR EAST:S;*
pellucens Besch. = *Pogonatum spinulosum*
polytrichoides P.Beauv. = *Pogonatum nanum*
rhopalophorum Besch. = *Pogonatum neesii*
rubellum Horik. et Saito in Saito = *Pogonatum dentatum*
sibiricum Podp. = *Pogonatum neesii*
sordide-viride Sak. = *Pogonatum inflexum*

sphaerothecium Besch. = *Polytrichum sphaerothecium*
spinulosum Mitt. *FAR EAST:S*;
subrotundum Lindb. in Hartm. = *Pogonatum nanum*
urnigerum (Hedw.) P. Beauv. *ARC:EURO,WS,ES,BE; EUR:NW,NE,N-UR,B,BLR,C,W,K,E,S-UR; CAUC; SIB:W,E,S; FAR EAST:N,S; MID AS;*
yakushimense Ther. in Card. = *Pogonatum inflexum*

P o h l i a Hedw. (BRYACEAE)

acuminata auct. non Hoppe et Hornsch ex Hornsch. = *Pohlia elongata* var. *greenii*
acuminata Hoppe et Hornsch. ex Hornsch. = *Pohlia elongata*
alba Lindb. in Lindb. et H. Arnell [?] *SIB:E*;
albicans Lindb. = *Pohlia wahlenbergii*
ambigua (Limpr.) Broth. *EUR:W*;
andalusica (Hoehnel) Broth. *ARC:EURO,WS,ES; EUR:NW,NE,B,W,C;*
andrewsii Shaw *ARC:EURO,WS,ES,BE; EUR:NW,NE,W; SIB:S; FAR EAST:N,S;*
annotina (Hedw.) Lindb. *ARC:URO,ES?; EUR:NW,NE,N-UR,B,BLR,C,W,E,S-UR;*
SIB:W?,E?; FAR EAST:N?;
atropurpurea (Wahlenb. ex Fuernr.) Lindb. *ARC:EURO,WS,ES;*
EUR:NW,NE,B,BLR,C; SIB:E; MID AS;
berengensis Shaw *ARC:BE; SIB:S;*
brevinervis Lindb. et H. Arnell *SIB:E*;
bulbifera (Warnst.) Warnst. *ARC:EURO,WS,ES,BE; EUR:NW,NE,B,BLR,C,W,S-UR;*
SIB:E,S; FAR EAST:N;
camptotrachela (Ren. et Card.) Broth. *EUR:NW,B,C,W;*
carnea (Schimp.) Lindb. = *Pohlia melanodon*
commutata (Schimp.) Lindb. = *Pohlia drummondii*
 - var. *filum* (Schimp.) Dus. = *Pohlia filum*
crassidens Lindb. = *Pohlia crudoides*
cruda (Hedw.) Lindb. *ARC:EURO,WS,ES,BE; EUR:NW,NE,N-UR,B,BLR,C,W,K,E,S-UR;*
CAUC; SIB:W,E,S; FAR EAST:N,S; MID AS;
crudoides (Sull. et Lesq.) Broth. *ARC:EURO,WS,ES,BE; EUR:NW,N-UR; SIB:S; FAR EAST:N;*
cucullata (Schwaegr.) Lindb. = *Pohlia obtusifolia*
delicatula (Hedw.) Grout = *Pohlia melanodon*
drummondii (C. Muell.) Andrews *ARC:EURO,WS,ES,BE; EUR:NW,NE,N-UR,W; CAUC;*
SIB:S,E; FAR EAST:N,S;
 - var. *gracilis* (Bruch et Schimp. in B.S.G.) Podp. = *Pohlia filum*
elongata Hedw. *ARC:EURO; EUR:N-UR,B,W,S-UR; CAUC; SIB:E,S; FAR EAST:S;*
MID AS;
 - var. *acuminata* auct. = *Pohlia elongata* var. *greenii*
 - var. *acuminata* (Hoppe ex Hornsch. ex Hornsch.) Hueb. = *Pohlia elongata*
 - var. *greenii* (Brid.) Shaw *ARC:BE; EUR:NW,NE,W; CAUC; SIB:W,S; FAR EAST:S; MID AS;*
 - var. *minor* Hartm. = *Pohlia elongata* var. *greenii*
 - var. *polymorpha* auct. = *Pohlia elongata* var. *greenii*
filiformis (Dicks.) Andrews in Grout = *Anomobryum filiforme*
filum (Schimp.) Mart. *ARC:EURO,WS,ES,BE; EUR:NW,NE,N-UR,BLR?,W?,S-UR; CAUC;*
SIB:E,S; FAR EAST:N; MID AS;
gracilis (Bruch et Schimp. in B.S.G.) Lindb. = *Pohlia filum*
gracillima (Card.) Horik. et Ochi = *Pohlia leucostoma*
grandiflora H. Lindb. = *Pohlia camptotrachela*
lescuriana (Sull.) Grout *ARC:EURO,WS,BE; EUR:NW,NE,N-UR,B,C?,W; SIB:W?,E,S;*

- leucostoma* (Bosch et Sande Lac.) Fleisch. FAR EAST:S;
longicollis (Hedw.) Lindb. ARC:EURO,WS,ES,BE; EUR:NW,NE,W,S-UR; CAUC;
 SIB:W,E,S; FAR EAST:N,S; MID AS;
ludwigii (Spreng ex Schwaegr.) Broth. ARC:EURO; EUR:NW,N-UR,W; CAUC;
melanodon (Brid.) Shaw EUR:NE,B,BLR,C,W,K,E,S-UR; CAUC; SIB:E,S; FAR
 EAST:S; MID AS;
minor Schleich. ex Schwaegr. = *Pohlia elongata* var. *greenii*
nutans (Hedw.) Lindb. ARC:EURO,WS,ES,BE; EUR:NW,NE,N-UR,B,BLR,C,W,K,E,S-UR;
 CAUC; SIB:W,E,S; FAR EAST:N,S; MID AS;
obtusifolia (Brid.) L.Koch ARC:EURO,ES,BE; EUR:NW,NE,N-UR,W; CAUC; SIB:S?;
polymorpha auct. non Hoppe et Hornsch. ex Hornsch. = *Pohlia elongata* var.
greenii
polymorpha Hoppe et Hornsch. ex Hornsch. = *Pohlia elongata*
*proliger*a (Kindb. ex Breidl.) Lindb. ex H.Arnell ARC:EURO,WS,ES,BE;
 EUR:NW,NE,N-UR,B,BLR,C,S-UR; CAUC; SIB:E,S; FAR EAST:N,S;
pulchella (Hedw.) Lindb. = *Pohlia lescuriana*
rothii (Corr. ex Limpr.) Broth. = *Pohlia filum*
rothii auct. non (Corr. ex Limpr.) Broth. = *Pohlia andalusica*
rutilans (Schimp.) Lindb. = *Pohlia nutans*
saprophila (C.Muell.) Broth. EUR:NE?; SIB:S; MID AS;
schimperi (C.Muell.) Andrews in Grout = *Pohlia nutans*
sphagnicola (Bruch et Schimp.) Lindb. et H.Arnell ARC:EURO,ES; EUR:NW,NE,N-
 UR,B,S-UR; CAUC; SIB:W,E; MID AS;
torrentium (Hag.) Broth. = *Pohlia filum*
vexans (Limpr.) H.Lindb. SIB:E;
viridis Lindb. et H.Arnell [?] SIB:E;
wahlenbergii (Web. et Mohr) Andrews in Grout ARC:EURO,WS,ES,BE;
 EUR:NW,NE,N-UR,B,BLR,C,W,K,E,S-UR; CAUC; SIB:W,E,S; FAR EAST:N,S;
 MID AS;
 - var. *glacialis* (Brid.) Warb. ARC:EURO; EUR:NW; CAUC; SIB:S; MID AS;

Polytrichastrum G.L.Sm. (POLYTRICHACEAE)

- alpinum* (Hedw.) G.L.Sm. ARC:EURO,WS,ES,BE; EUR:NW,NE,N-UR,B?,C?,W,S-UR;
 CAUC; SIB:W,E,S; FAR EAST:N,S; MID AS;
 - var. *fragile* (Bryhn) Long ARC:EURO,ES,BE; EUR:NW; SIB:E,S; FAR EAST:N;
 MID AS;
formosum (Hedw.) G.L.Sm. = *Polytrichum formosum*
fragile (Bryhn) Schljak. = *Polytrichastrum alpinum* var. *fragile*
longisetum (Brid.) G.L.Sm. = *Polytrichum longisetum*
norvegicum (Hedw.) Schljak. ARC:EURO,WS,ES,BE; EUR:NW;
pallidisetum (Funck) G.L.Sm. = *Polytrichum pallidisetum*
sexangulare (Brid.) G.L.Sm. = *Polytrichum sexangulare*

Polytrichum Hedw. (POLYTRICHACEAE)

- affine* F uck = *Polytrichum strictum*
algidum Hag. et C.Jens. = *Polytrichum swartzii*
alpestre Hoppe = *Polytrichum strictum*
alpinum Hedw. = *Polytrichastrum alpinum*
 - var. *fragile* (Bryhn) Nyh. = *Polytrichastrum alpinum* var. *fragile*
 - var. *septentrionale* (Sw.) Lindb. = *Polytrichastrum norvegicum*
attenuatum Menz. ex Brid. = *Polytrichum formosum*

- commune* Hedw. ARC:EURO,WS,ES,BE; EUR:NW,NE,N-UR,B,BLR,C,W,K?,E,S-UR;
CAUC; SIB:W,E,S; FAR EAST:N,S; MID AS;
- var. *humile* Sw. = *Polytrichum commune*
- var. *jensenii* (Hag.) Moenk. in Warnst. = *Polytrichum jensenii*
- var. *maximoviczii* Lindb. = *Polytrichum jensenii*
- var. *nigrescens* Warnst. = *Polytrichum swartzii*
- var. *perigoniale* (Michx.) Hampe = *Polytrichum commune*
- var. *swartzii* (Hartm.) Nyh. = *Polytrichum swartzii*
- var. *uliginosum* Wallr. = *Polytrichum commune*
decipiens Limpr. = *Polytrichum pallidisetum*
formosum Hedw. ARC:BE; EUR:NW,N-UR,B,BLR,C,W,K,E,S-UR; CAUC; SIB:W,S; FAR
EAST:N,S;
fragile Bryhn = *Polytrichastrum alpinum* var. *fragile*
fragilifolium H.Lindb. = *Polytrichum jensenii*
gracile Bryhn = *Polytrichum longisetum*
grandifolium Lindb. = *Pogonatum japonicum*
hyperboreum R.Br. ARC:EURO,WS,ES,BE; EUR:NW,NE,N-UR,S-UR; SIB:E,S; FAR
EAST:N;
jensenii Hag. ARC:EURO,WS,ES,BE; EUR:NW,NE; SIB:E,S; FAR EAST:N,S;
juniperinum Hedw. ARC:EURO,WS,ES,BE; EUR:NW,NE,N-UR,B,BLR,C,W,K,E,S-UR;
CAUC; SIB:W,E,S; FAR EAST:N,S; MID AS;
- var. *affine* (Funck) Brid. = *Polytrichum strictum*
- var. *alpestre* Bruch et Schimp. in B.S.G. = *Polytrichum strictum*
- var. *gracilius* Wahlenb. = *Polytrichum strictum*
longisetum Sw. ex Brid. ARC:EURO,WS,ES,BE; EUR:NW,NE,N-UR,B,BLR,C,W,E,S-UR;
CAUC; SIB:W,E,S; FAR EAST:N,S;
- var. *anomalum* (Milde) Hag. EUR:NE,C; SIB:E,S; FAR EAST:N;
loricalyx C.Muell. = *Pogonatum dentatum*
microcapillare C.Muell. = *Pogonatum dentatum*
norvegicum auct. non Hedw. = *Polytrichum sexangulare*
ochioense auct. non Ren. et Card. = *Polytrichum pallidisetum*
pallidisetum Funck EUR:NW,NE,B,C,W,S-UR; CAUC; SIB:S; FAR EAST:S;
perigoniale Michx. = *Polytrichum commune*
piliferum Hedw. ARC:EURO,WS,ES,BE; EUR:NW,NE,N-UR,B,BLR,C,W,K,E,S-UR; CAUC;
SIB:W,E,S; FAR EAST:N,S;
- var. *hoppei* (Hornsch.) Rabenh. = *Polytrichum piliferum*
- var. *pusillum* Moell. = *Polytrichum piliferum*
- var. *hyperboreum* (R.Br.) C.Muell. = *Polytrichum hyperboreum*
sexangulare Brid. ARC:EURO,BE; EUR:NW,N-UR,W,S-UR; CAUC; SIB:S; FAR
EAST:N;
sphaerothecium (Besch.) C.Muell. FAR EAST:N,S;
strictum Brid. ARC:EURO,WS,ES,BE; EUR:NW,NE,N-UR,B,BLR,C,W,E,S-UR; CAUC;
SIB:W,E,S; FAR EAST:N,S; MID AS;
- var. *alpestre* (Hoppe) Rabenh. = *Polytrichum strictum*
swartzii Hartm. ARC:EURO,WS,ES,BE; EUR:NW,NE,B,BLR,C,S-UR; SIB:W; FAR
EAST:N,S;
yezoense Horik. = *Polytrichum pallidisetum*

Porotrichum

- obtusatum* Lindb. et H.Arnell = *Thamnobryum neckeroides*

P o t t i a (Reichenb.) Fuernr. (POTTIACEAE)

- angustifolia* (Lindb.) Par. = *Pottia davalliana* var. *angustifolia*
bryoides (Dicks.) Mitt. *EUR:NW,NE,B,C,W,E,S-UR; CAUC; MID AS;*
caucasica (Lindb.) Par. *CAUC;*
curvicola Mitt. = *Phascum curvicolle*
davalliana (Sm. in Drake) C.Jens. *EUR:B,BLR,W;*
 - var. *angustifolia* (Lindb. ex Broth.) C.Jens. *CAUC;*
heimii (Hedw.) Fuernr. = *Desmatodon heimii*
 - var. *obtusifolia* (C.Muell.) Hag. = *Desmatodon heimii* var. *arctica*
intermedia (Turn.) Fuernr. *EUR:NW,B,BLR,C,W,K,E,S-UR; CAUC; SIB:W,S;*
lanceolata (Hedw.) C.Muell. *EUR:B,BLR,C,W,K; CAUC; SIB:E; MID AS;*
latifolia (Schwaegr. in Schultes) C.Muell. = *Stegonia latifolia*
lindbergii (Kindb.) Warnst. [?] *CAUC;*
minutula (Schwaegr.) Fuernr. = *Pottia davalliana*
mutica Vent. = *Pottia davalliana*
obtusifolia C.Muell. = *Desmatodon heimii* var. *arctica*
randii Kenedy = *Desmatodon randii*
recta (With.) Mitt. *EUR:E; CAUC;*
rufescens (Schultes) Fuernr. = *Pottia davalliana*
starkeana (Hedw.) C.Muell. *EUR:B,K; MID AS;*
 - ssp. *minutula* (Schwaegr.) Chamb. = *Pottia davalliana*
truncata (Hedw.) Fuernr. *EUR:NW,NE,B,BLR,C,W,E,S-UR; CAUC; SIB:W; FAR*
EAST:S;
 - var. *cylindrica* Ruch et Schump. in B.S.G. = *Pottia intermedia*
 - var. *major* (Web. et Mohr) Bruch et Schimp. in B.S.G. = *Pottia intermedia*
truncatula (With.) Buse = *Pottia truncata*

Pottiella

- curvicolla* (Hedw.) Loeske = *Phascum curvicolle*
recta (With.) Gams = *Pottia recta*

P s e u d e p h e m e r u m (Lindb.) Loeske (DICRANACEAE)

- nitidum* (Hedw.) Loeske *EUR:NW,B,BLR,C,W,S-UR?;*

P s e u d o b r y u m (Kindb.) T.Kop. (MNIACEAE)

- cinclidioides* (Hueb.) T.Kop. *ARC:EURO,WS,ES,BE; EUR:NW,NE,N-UR,B,BLR,C,W,S-UR; CAUC; SIB:W,E,S; FAR EAST:N,S; MID AS;*

P s e u d o c a l l i e r g o n (Limpr.) Loeske (AMBLYSTEGIACEAE)

- angustifolium* Hedenaes *EUR:NW;*
brevifolius (Lindb.) Hedenaes *ARC:EURO,WS,ES,BE; EUR:NE?; SIB:E;*
lycopodioides (Brid.) Hedenaes *ARC:EURO,ES; EUR:NW,N-UR,B,BLR,W,UR; CAUC;*
SIB:E; FAR EAST:N;
trifarium (Web. et Mohr) Loeske *ARC:EURO,WS,ES,BE; EUR:NW,NE,B,BLR; CAUC;*
SIB:W,E,S; FAR EAST:N;
turgescens (T.Jens.) Loeske *ARC:EURO,WS,ES,BE; EUR:B; SIB:E,S; MID AS;*

P s e u d o c r o s s i d i u m Williams (POTTIACEAE)

- hornschuchianum* (Schultz) Zander *EUR:B,W,K; CAUC; SIB:E; MID AS;*
revolutum (Brid. in Schrad.) Zander *ARC:ES; EUR:W,K; CAUC; SIB:S; MID AS;*

Pseudoleskea Schimp. in B.S.G. (LESKEACEAE).

- atrovirens* (Brid.) Schimp. in B.S.G. = *Pseudoleskea incurvata*.
chilensis (Lor.) Ochyra *ARC:BE*;
incurvata (Hedw.) Loeske *ARC:EURO; EUR:NW,NE,N-UR,W,K,S-UR; CAUC; SIB:S;*
FAR EAST:N; MID AS;
korjakorum Lazar. *FAR EAST:N*;
patens (Lindb.) Kindb. *EUR:NW,NE,W; CAUC; SIB:S; MID AS*;
radicosa (Mitt.) Kindb. in Macoun *ARC:EURO,ES,BE; EUR:NW,N-UR,W; CAUC;*
SIB:E,S; FAR EAST:N,S; MID AS;
saviana (De Not.) Latz. *EUR:K; CAUC*;
secunda (H.Arnell) Broth. *SIB:W,S; FAR EAST:N*;

Pseudoleskeella Kindb. (LESKEACEAE)

- catenulata* (Brid. ex Schrad.) Kindb. *ARC:EURO,ES,BE; EUR:NE,N-UR,B,W,K,E,S-UR;*
CAUC; SIB:W,S; FAR EAST:N,S; MID AS;
incrassata Lindb. ex Broth. = *Leskeella incrassata*
nervosa (Brid.) Nyh. = *Leskeella nervosa*
papillosa (Lindb.) Kindb. *ARC:ES,BE; EUR:NW,S-UR; SIB:E,S; FAR EAST:N,S;*
MID AS;
sibirica (H.Arnell in Lindb. et H.Arnell) Norris et Wilson *SIB:E,S*;
tectorum (Funck ex Brid.) Kindb. in Broth. *ARC:ES,BE; EUR:NW,N-UR,W,K,E,S-UR;*
CAUC; SIB:E,S; FAR EAST:N,S; MID AS;

Pseudoleskeopsis Broth. (LESKEACEAE)

- japonica* (Sull. et Lesq.) Iwats. = *Pseudoleskeopsis zippelii*
orbiculata (Mitt.) Broth. = *Pseudoleskeopsis zippelii*
zippelii (Dozy et Molk.) Broth. *FAR EAST:S*;

Pseudoscleropodium (Limpr.) Fleisch. in Broth. (BRACHYTHECIACEAE)

- purum* (Hedw.) Fleisch. ex Broth. *EUR:NW,B,BLR,C,W,K; CAUC; MID AS*;

Pseudostereodon

- procerrimus* (Mol.) Fleisch. = *Ctenidium procerrimum*

Pseudotaxiphyllum Iwats. (HYPNACEAE)

- elegans* (Brid.) Iwats. *ARC:BF; EUR:NW,W; CAUC; FAR EAST:N,S*;

Psilopilum Brid. (POLYTRICHACEAE)

- arcticum* Brid. = *Psilopilum laevigatum*
cavifolium (Wils.) Hag. *ARC:EURO,WS,ES,BE; EUR:NW,N-UR; SIB:E; FAR EAST:N*;
 - var. *anomalum* Hag. = *Psilopilum cavifolium*
falcatum (Steere) Crum et al. = *Oligortichum falcatum*
laevigatum (Wahlenb.) Lindb. *ARC:EURO,WS,ES,BE; EUR:NW,N-UR; SIB:W,E,S; FAR*
EAST:N;

Pterigynandrum Hedw. (PTERIGYNANDRACEAE)

- filiforme* Hedw. *ARC:EURO,BE; EUR:NW,NE,N-UR,B,BLR,C,W,K,E,S-UR; CAUC;*
SIB:W,E,S; FAR EAST:S; MID AS;
 - var. *decipiens* (Web. et Mohr) Limpr. = *Pterigynandrum filiforme*

P t e r o g o n i u m Sm. (ANOMODONTACEAE)

coreense Card. = *Eurohypnum leptothallum*
gracile (Hedw.) Sm. *EUR:B,K; CAUC;*

P t e r y g o n e u r u m Jur (POTTIACEAE)

arcticum Steere = *Pterygoneurum lamellatum*
cavifolium (Ehrh.) Jur. = *Pterygoneurum ovatum*
kozlovii Lazar. ex Lazar. *EUR:W,E; SIB:E;*
lamellatum (Lindb.) Jur. *ARC:ES,BE; EUR:W,E; CAUC; MID AS;*
medium (Salm.) Broth. = *Pterygoneurum ovatum*
ovatum (Hedw.) Dix. *ARC:BE; EUR:NW,B,BLR,C,W,K,E,S-UR; CAUC; MID AS;*
pusillum (Hedw.) Broth. = *Pterygoneurum ovatum*
sampianum (Mach.) Mach. = *Pterygoneurum ovatum*
subsessile (Brid.) Jur. *EUR:BLR,C,W,E,S-UR; CAUC; SIB:E,S; MID AS;*

P t i l i u m De Not. (HYPNACEAE)

crista-castrensis (Hedw.) De Not. *ARC:EURO,WS,ES,BE; EUR:NW,NE,N-UR,B,BLR,C,W,E,S-UR; CAUC; SIB:W,E,S; FAR EAST:N,S; MID AS;*

P t y c h o d i u m Schimp. (LESKEACEAE)

plicatum (Web. et Mohr) Schimp. *EUR:W; CAUC;*
serratum Lazar. ex Lazar. = *Hylocomiasrtum pyrenaicum*.
tauricum Sapeh. = *Pseudoleskea saviana*

P t y c h o m i t r i u m Fuernr. (PTYCHOMITRIACEAE)

altaicum Broth. = *Ptychomitrium sinense*
glyphomitrioides (Bals. et De Not.) Vent. et Bott. = *Ptychomitrium incurvum*
incurvum (Schwaegr.) Spruce *CAUC;*
pusillum Bruch et Schimp. in B.S.G. = *Ptychomitrium incurvum*
sinense (Mitt.) Jaeg. *SIB:S; FAR EAST:S;*

Pylaisia

intricata (Hedw.) Schimp. in B.S.G. = *Pylaisiella intricata*
obtusa Lindb. = *Pylaisiella obtusa*
pellucida Podp. = *Entodon sinense*
polyantha (Hedw.) Schimp. = *Pylaisiella polyantha*
pseudofertilis Podp. = *Pylaisiadelpha tenuirostre*
schimperi Card. = *Pylaisiella selwynii*
sibirica Podp. = *Pylaisiella selwynii*

P y l a i s i a d e l p h a Card. (HYPNACEAE)

tenuirostris (Bruch et Schimp. ex Sull.) Buck *SIB:S; FAR EAST:S;*

P y l a i s i e l l a Kindb. (HYPNACEAE)

brotheri (Besch.) Iwats. et Nog. *FAR EAST:S;*
intricata (Hedw.) Grout *FAR EAST:S;*
 - var. *crassipes* Lindb. = *Pylaisiella selwynii*
obtusa (Lindb.) Iwats. et Nog. *FAR EAST:S;*
polyantha (Hedw.) Grout *ARC:EURO,ES,BE; EUR:NW,NE,N-UR,B,BLR,C,W,K,E,S-UR;*
CAUC; SIB:W,E,S; FAR EAST:N,S; MID AS;

selwynii (Kindb.) Crum et al. *EUR:NW,NE,S-UR; SIB:W,E,S; FAR EAST:N,S;*
 subcircinata (Card.) Iwats. et Nog. *FAR EAST:S;*

P y r a m i d u l a Brid. (FUNARIACEAE)

tetragona (Brid.) Brid. *EUR:W,E,S-UR; CAUC; SIB:S;*

R a c o m i t r i u m Brid. (GRIMMIACEAE)

aciculare (Hedw.) Brid. *ARC:EURO; EUR:NW,N-UR,B,W; CAUC; SIB:S; FAR EAST:N,S;*

affine (Schleich. ex Web. et Mohr) Lindb. *EUR:B,BLR,W; CAUC;*

afoninae Frisvoll *ARC:BE;*

andreaeopsis (C.Muell.) Broth. = *Schistidium andreaeopsis*

aquaticum (Brid. ex Schrad.) Brid. *EUR:NW,W; CAUC; SIB:S; FAR EAST:N,S;*

brevisetum Lindb. *FAR EAST:S;*

canescens (Hedw.) Brid. *ARC:?: EUR:NW,NE,N-UR,B,BLR,C,W,K,E,S-UR; CAUC;*
SIB:W,E,S; FAR EAST:N,S; MID AS;

- var. *epilosum* H.Muell. ex Milde = *Racomitrium ericoides*

- var. *ericoides* (Web. ex Brid.) Hampe = *Racomitrium ericoides*

- var. *latifolium* C.Jens. ex Lange et C.Jens. *ARC:ES,BE; EUR:NW; SIB:S?; FAR EAST:N;*

- var. *robustum* (Lindb. et H.Arnell) Par. = *Racomitrium panschii*

- var. *strictum* Schlieph. in Limpr. = ?*Racomitrium ericoides*

- var. *vulgare* Loeske = *Racomitrium canescens*

elongatum (Ehrh.) Frisvoll *EUR:K; CAUC;*

ericoides (Web. ex Brid.) Brid. *ARC:EURO,WS,ES,BE; EUR:NW,B; SIB:E; FAR EAST:N;*

fasciculare (Hedw.) Brid. *ARC:EURO,ES,BE; EUR:NW,N-UR,B; CAUC; SIB:S; FAR EAST:N,S;*

fontinalioides (Hedw.) Brid. = *Cinclidotus fontinalioides*

heterostichum (Hedw.) Brid. *EUR:NW,NE,N-UR,B,BLR,C,W,K?; CAUC?; SIB:?: FAR EAST:?: MID AS?;*

- var. *affine* (Schleich. ex Web. et Mohr) Lesq. = *Racomitrium affine*

- var. *alopecurum* Hueb. = *Racomitrium affine*

- var. *gracilescens* Bruch et Schimp. in B.S.G. = *Racomitrium heterostichum*

- var. *microcarpon* (Hedw.) Boul. = *Racomitrium microcarpon*

- var. *sudeticum* (Funck) Bauer = *Racomitrium sudeticum*

hypnoides Lindb. = *Racomitrium lanuginosum*

japonicum Dozy et Molk. *FAR EAST:S;*

lanuginosum (Hedw.) Brid. *ARC:EURO,WS,ES,BE; EUR:NW,N-UR,B,W,S-UR; CAUC;*
SIB:W,E,S; FAR EAST:N,S;

- var. *subimberbe* Hartm. = *Racomitrium lanuginosum*

macounii Kindb. ex Kindb. in Macoun

- ssp. *alpinum* (Lawt.) Frisvoll *EUR:NW; CAUC;*

microcarpon (Hedw.) Brid. *ARC:EURO,BE; EUR:NW,N-UR,B,BLR,C,W,S-UR;*
SIB:W,E,S; FAR EAST:N,S;

panschii (C.Muell.) Kindb. *ARC:ES,BE; SIB:E,S; FAR EAST:S;*

patens (Hedw.) Hueb. = *Dryptodon patens*

ramulosum Lindb. = *Racomitrium microcarpon*

riparium Brid. = *Cinclidotus riparius*

sudeticum (Funck) Bruch et Schimp. in B.S.G. *ARC:EURO,ES,BE; EUR:NW,N-UR,W,K; CAUC; SIB:E,S; FAR EAST:N,S;*

virescens Lindb. = *Racomitrium fasciculare*

Rauia

scita auct. non (P.Beauv.) Aust. = *Rauiella fujisana*

R a u i e l l a Reim. (THUIDIACEAE)

fujisana (Par.) Reim. FAR EAST:S;

R h a b d o w e i s i a Bruch et Schimp. in B.S.G. (DICRANACEAE)

crispata (Dicks.) Lindb. ARC:BE; EUR:W,S-UR; SIB:W,S; FAR EAST:N,S;

denticulata (Brid.) Bruch et Schimp. in B.S.G. = *Rhabdoweisia crispata*

fugax (Hedw.) Bruch et Schimp. in B.S.G. EUR:NW,N-UR?,B,W,K; CAUC; SIB:E;

kusenevae Broth. = *Rhabdoweisia crispata*

striata (Schrad.) Kindb. = *Rhabdoweisia fugax*

Rhacomitrium spp. = *Racomitrium* spp.**R h i z o m n i u m** (Broth.) T.Kop. (MNIACEAE)

andrewsianum (Steere) T.Kop. ARC:EURO,WS,ES,BE; EUR:N-UR; SIB:W,E,S; FAR EAST:N;

gracile T.Kop. ARC:BE;

magnifolium (Horik.) T.Kop. ARC:EURO,BE; EUR:NW,NE,N-UR,C,W,S-UR; SIB:S; FAR EAST:N,S;

nudum (Britt. et Williams) T.Kop. FAR EAST:N,S;

parvulum (Mitt.) T.Kop. SIB:S?; FAR EAST:S;

perssonii T.Kop. = *Rhizomnium magnifolium*

pseudopunctatum (Bruch et Schimp.) T.Kop. ARC:EURO,WS,ES,BE; EUR:NW,NE,N-UR,B,C,W?,E,S-UR; CAUC; SIB:W,E,S; FAR EAST:S; MID AS;

punctatum (Hedw.) T.Kop. ARC:EURO,WS,ES; EUR:NW,NE,N-UR,B,BLR,C,W,K,E,S-UR; CAUC; SIB:W,E,S; FAR EAST:N?; MID AS;

- var. *elatum* (Schimp.) T.Kop. = *Rhizomnium magnifolium*

striatulum (Mitt.) T.Kop. FAR EAST:S;

R h o d o b r y u m (Schimp.) Hampe (BRYACEAE)

ontariense (Kindb.) Kindb. EUR:B,W,K; CAUC; SIB:S;

roseum (Hedw.) Limpr. ARC:EURO; EUR:NW,NE,N-UR,B,BLR,C,W,K,E,S-UR; CAUC; SIB:W,E,S; FAR EAST:N,S; MID AS;

spathulatum (Hornsch.) Pocz = *Rhodobryum ontariense*

R h y n c h o s t e g i e l l a (Schimp. in B.S.G.) Limpr. (BRACHYTHECIACEAE)

algiriana (P.Beauv.) Warnst. = *Rhynchostegiella tenella*

compacta (C.Muell.) Loeske = *Conardia compacta*

curviseta (Brid.) Limpr. MID AS;

pallidirostre (Breidl.) Loeske = *Eurhynchium pumilum*

teesdalei (Schimp. in B.S.G.) Limpr. CAUC;

tenella (Dicks.) Limpr. EUR:W; CAUC;

R h y n c h o s t e g i u m Schimp. in B.S.G. (BRACHYTHECIACEAE)

confertum (Dicks.) Schimp. in B.S.G. EUR:NW?,B,BLR,W?; CAUC; FAR EAST:N?;

megapolitanum (Web. et Mohr) Schimp. in B.S.G. EUR:B?,C,K; CAUC; MID AS;

- var. *meridionale* Schimp. EUR:K;

murale (Hedw.) Schimp. in B.S.G. EUR:NE,B,BLR,C,W,S-UR; CAUC;

- riparioides* (Hedw.) C.Jens. *EUR:NW,B,BLR,C,W,K; CAUC; SIB:S; FAR EAST:S; MID AS;*
rotundifolium (Brid.) Schimp. in B.S.G. *EUR:W; CAUC;*
ruscifforme Schimp. in B.S.G. = *Rhynchostegium riparioides*

Rhytidia delphus (Lindb. ex Limpr.) Warnst. (HYLOCOMIACEAE)

- calvescens* (Kindb.) Broth. = *Rhytidadelphus subpinnatus japonicus* Reim. in Reim. et Sak. *FAR EAST:S;*
loreus (Hedw.) Warnst. *EUR:W;*
squarrosus (Hedw.) Warnst. *ARC:BE; EUR:NW,NE,N-UR,B,BLR,C,W,E,S-UR; CAUC; SIB:E,S; FAR EAST:N;*
subpinnatus (Lindb.) T.Kop. *ARC:EURO,WS,ES,BE; EUR:NW,NE,N-UR,B,BLR,C,W,S-UR; CAUC; SIB:W,E,S; FAR EAST:N,S;*
triquetrus (Hedw.) Warnst. *ARC:EURO,WS,ES,BE; EUR:NW,NE,N-UR,B,BLR,C,W,K,E,S-UR; CAUC; SIB:W,E,S; FAR EAST:N,S; MID AS;*

Rhytidium (Sull.) Kindb. (RHYTIDIACEAE)

- rugosum* (Hedw.) Kindb. *ARC:EURO,WS,ES,BE; EUR:NW,NE,N-UR,C,W,K,E,S-UR; CAUC; SIB:W,E,S; FAR EAST:N,S; MID AS;*

Rigodia delphus Dix. (LESKEACEAE)

- robustus* (Lindb.) Nog. *FAR EAST:S;*

Saelania Lindb. (DITRICHACEAE) †

- caesia* (P.Beauv.) Lindb. = *Saelania glaucescens glaucescens* (Hedw.) Broth. in Bomanss. et Broth. *ARC:EURO,WS,ES,BE; EUR:NW,NE,B,C,W,K,E,S-UR; CAUC; SIB:W,E,S; FAR EAST:N,S; MID AS;*

Saniونيا Loeske (AMBLYSTEGIACEAE)

- nivalis* Hedenaes *EUR:NW;*
orthothecioides (Lindb.) Loeske *ARC:ES; EUR:NW,N-UR;*
uncinata (Hedw.) Loeske *ARC:EURO,WS,ES,BE; EUR:NW,NE,N-UR,B,BLR,C,W,K,E,S-UR; CAUC; SIB:W,E,S; FAR EAST:N,S; MID AS;*

Sarmentypnum Tuom. et T.Kop. (AMBLYSTEGIACEAE)

- sarmentosum* (Wahlenb.) Tuom. et T.Kop. *ARC:EURO,WS,ES,BE; EUR:NW,NE,N-UR,W,S-UR; CAUC; SIB:E,S; FAR EAST:N,S; MID AS;*

Saviczia

- obtusissima* (Broth.) A.Abr. et I.Abr. = *Plagiothecium obtusissimum*

Schistidium Brid. (GRIMMIACEAE)

- agassizii* Sull. et Lesq. in Sull. *ARC:ES,BE; EUR:NW,NE,B; CAUC; SIB:E,S; FAR EAST:N; MID AS;*
alpicola (Hedw.) Limpr. = *Schistidium agassizii alpicola* auct. non (Hedw.) Limpr. = *Schistidium rivulare*
 - var. *dupretii* (Ther.) Crum = *Schistidium apocarpum*
 - var. *latifolia* (Zett.) Limpr. = *Schistidium rivulare* var. *latifolia*
andreaeopsis (C.Muell.) Lazar. *ARC:BE; SIB:E;*
anodon (Bruch et Schimp. in B.S.G.) Loeske = *Grimmia anodon*

- apocarpum* (Hedw.) Bruch et Schimp. in B.S.G. *ARC:EURO,WS,ES,BE;*
EUR:NW,NE,N-UR,B,BLR,C,W,K,E,S-UR; CAUC; SIB:W,E,S; FAR EAST:N,S;
MID AS;
- ssp. *singarense* (Schiffn.) Podp. *MID AS;*
 - var. *alpicola* (Hedw.) Bruch et Schimp. in B.S.G. = *Schistidium agassizii*
 - var. *atrofusum* (Schimp.) C.Jens. ex Weinm. = *Schistidium apocarpum*
 - var. *boreale* (Poelt) Duell *ARC:EURO; FAR EAST:N;*
 - var. *brunnescens* (Limpr.) Herz. *EUR:W,K; CAUC; FAR EAST:S; MID AS;*
 - var. *confertum* (Funck) Moell. *ARC:EURO,ES; EUR:NW,NE,B,C,W,K,E,S-UR;*
CAUC; SIB:S; FAR EAST:N,S;
 - var. *gracile* (Web. et Mohr ex Nees et al.) = *Schistidium strictum*
 - var. *pulvinatum* (Hedw.) C.Jens. in Weinm. = *Schistidium flaccidum*
 - var. *strictum* (Turn.) Moore = *Schistidium strictum*
 - var. *taimyrense* E.Borszcz. et G.Borszcz. *ARC:ES;*
- atrofusum* (Schimp.) Limpr. = *Schistidium apocarpum*
brunnescens Limpr. = *Schistidium apocarpum* var. *brunnescens*
confertum (Funck) Bruch et Schimp. in B.S.G. = *Schistidium apocarpum* var. *con-*
fertum
- cryptocarpum* Mogensen et Blom *ARC:BE;*
fiacidum (De Not.) Lindb. *EUR:NW,W,K,S-UR?; CAUC; MID AS;*
gracile (Web. et Mohr ex Nees et al.) Schleich. ex Limpr. = *Schistidium strictum*
helveticum (Schkuhr) Deguchi = *Schistidium rivulare*
holmenianum Steere et Brass. = *Schistidium andreaeopsis*
liliputanum (C.Muell.) Deguchi *SIB:S;*
maritimum (Turn.) Bruch et Schimp. in B.S.G. *ARC:EURO; EUR:NW; FAR*
EAST:S;
- var. *piliferum* (Hag.) Loeske = *Schistidium maritimum*
- papillosum* Culm. = *Schistidium strictum*
plagiopodium (Hedw.) Loeske = *Grimmia plagiopodia*
pulvinatum auct. non (Hedw.) Brid. = *Schistidium flaccidum*
rivulare (Brid.) Podp. *ARC:EURO,ES,BE; EUR:NW,NE,N-UR,B,C,W,K,S-UR; CAUC;*
SIB:W,E,S; FAR EAST:N,S; MID AS;
- var. *latifolium* (Zett.) Crum et Anderson *ARC:EURO,ES,BE; EUR:B,W; CAUC;*
SIB:E,S; FAR EAST:N,S; MID AS;
- singarense* (Schiffn.) Lazar. = *Schistidium apocarpum* ssp. *singarense*
strictum (Turn.) Mart. *ARC:EURO,ES,BE; EUR:NW,N-UR,B,BLR,C,W,K,S-UR; CAUC;*
SIB:E,S; FAR EAST:N,S; MID AS;
tenerum (Zett.) Nyh. *ARC:ES,BE;*
trichodon (Brid.) Poelt *EUR:B?;*

Schistophyllum spp. = *Fissidens* spp.

Schistostega Mohr (SCHISTOSTEGACEAE)

pennata Hedw. *EUR:NW,NE,N-UR,B,BLR,C,W,S-UR; SIB:S; FAR EAST:N,S;*

Schwetschkeopsis Broth. (MYRINIACEAE)

denticulata (Sull.) Broth. = *Schwetschkeopsis fabronia*

fabronia (Schwaegr.) Broth. *FAR EAST:S;*

Scleropodium Schimp. in B.S.G. (BRACHYTHECIACEAE)

ornellanum (Mol.) Lor. *ARC:EURO,ES,BE; EUR:NW,NE,N-UR; CAUC; SIB:W,E,S;*

purum (Hedw.) Limpr. = *Pseudoscleropodium purum*

Scopelophila (Mitt.) Lindb. (POTTIACEAE)

lingulata (Spruce) Spruce CAUC; FAR EAST:S;

Scorpidium (Schimp.) Loeske (AMBLISTEGIACEAE)

cossoni (Schimp.) Hedenaes = *Limprichtia cossonii*
lapponicum (Norrl.) Tuom. et T.Kop. = *Pseudocalliegon lapponicus*
latifolium (Lindb. et H.Arnell) Paul = *Pseudocalliegon latifolius*
lycopodioides (Brid.) Paul = *Pseudocalliegon lycopodioides*
revolvens (Sw. ex Anonymo) Hedenaes = *Limprichtia revolvens*
scorpioides (Hedw.) Limpr: ARC:EURO,WS,ES,BE; EUR:NW,NE,N-UR,B,BLR,C,W,S-UR;
 SIB:W,E,S; FAR EAST:N;
turgescens (T.Jens.) Loeske = *Pseudocalliegon turgescens*
vernicosum (Mitt.) Tuom. = *Hamatocaulis vernicosus*

Scorpiurium Schimp. (BRACHYTHECIACEAE)

circinatum (Brid.) Fleisch. et Loeske EUR:K; CAUC;

Scouleria Hook. in Drumm. (GRIMMIACEAE)

aquatica Hook. in Drumm. ARC:ES,BE; SIB:E,S; FAR EAST:N,S;
pulcherrima Broth. = *Scouleria aquatica*
rschewinii Lindb. et H.Arnell = *Scouleria aquatica*

Seligeria Bruch et Schimp. in B.S.G. (SELIGERACEAE)

brevifolia (Lindb.) Lindb. ARC:ES; EUR:NW; CAUC; SIB:E;
calcarea (Hedw.) Bruch et Schimp. in B.S.G. EUR:B,C,W;
campylopoda Kindb. in Macoun EUR:NE,B,W,E; CAUC;
diversifolia Lindb. ARC:ES; EUR:NW,NE,S-UR; CAUC; SIB:S;
donniana (Sm.) C.Muell. EUR:NW,NE,B,W,S-UR; CAUC; SIB:E,S; MID AS;
oelandica C.Jens. et Med. ARC:BE;
polaris Berggr. ARC:EURO,ES,BE; SIB:S;
pusilla (Hedw.) Bruch et Schimp. in B.S.G. EUR:NE,B,C,W,K,E; CAUC; SIB:S?;
 MID AS;
recurvata (Hedw.) Bruch et Schimp. in B.S.G. EUR:NW,B,C,W,K; CAUC; SIB:S;
 FAR EAST:S;
setacea (Wulf.) Lindb. = *Seligeria recurvata*
subimmersa Lindb. EUR:NW;
trifaria (Brid.) Lindb. EUR:NE; CAUC; SIB:E,S; FAR EAST:S;
tristicha (Brid.) Bruch et Schimp. in B.S.G. = *Seligeria trifaria*
tristichoides Kindb. EUR:NW; CAUC;

Sematophyllum

demissum (Wils.) Mitt. - excluded

Semibarbula

trachyphylla (Broth.) Lazar. in Lazar. et al., nom illeg. = *Tortula trachyphylla*

Sphagnum Hedw. (SPHAGNACEAE)

acutifolium Schrad. = *Sphagnum capillifolium*
amblyphyllum (Russ.) Warnst. = *Sphagnum flexuosum*
angustifolium (Russ. ex Russ.) C.Jens. ARC:EURO,WS,ES,BE; EUR:NW,NE,N-UR,B,BLR,C,W,E,S-UR; CAUC; SIB:W,E,S; FAR EAST:N,S;

- annulatum* H.Lindb. ex Warnst. *EUR:NW,BLR*;
aongstroemii C.Hartm. *ARC:EURO,WS,ES,BE*; *EUR:NW,NE,N-UR,B,C,S-UR*; *SIB:W,E,S*;
FAR EAST:N,S;
apiculatum H.Lindb. in Bauer = *Sphagnum fallax*
arcticum Flatberg et Frisvoll *ARC:BE*;
auriculatum Schimp. = *Sphagnum denticulatum*
 - var. *inundatum* (Russ.) M.Hill = *Sphagnum inundatum*
balticum (Russ.) Russ. ex C.Jens. *ARC:EURO,WS,ES,BE*; *EUR:NW,NE,N-UR,B,BLR,C,W,E,S-UR*; *CAUC*; *SIB:W,E,S*; *FAR EAST:N,S*;
batumense Warnst. = *Sphagnum denticulatum*
capillaceum (Weiss) Schrank = *Sphagnum capillifolium*
capillifolium (Ehrh.) Hedw. *ARC:EURO,WS,ES,BE*; *EUR:NW,NE,N-UR,B,BLR,C,W,E,S-UR*; *CAUC*; *SIB:W,E,S*; *FAR EAST:N,S*; *MID AS*;
 - var. *tenellum* (Schimp.) Crum = *Sphagnum rubellum*
centrale C.Jens. ex H.Arnell et C.Jens. *ARC:EURO*; *EUR:NW,NE,N-UR,B,BLR,C,W,E,S-UR*; *CAUC*; *SIB:W,E,S*; *FAR EAST:N,S*; *MID AS*;
compactum DC. in Lam. et DC. *ARC:EURO,WS,ES,BE*; *EUR:NW,NE,N-UR,B,BLR,C,W,E,S-UR*; *CAUC*; *SIB:W,E,S*; *FAR EAST:N,S*;
contortum Schultz *ARC:EURO,WS,ES,BE*; *EUR:NW,NE,N-UR,B,BLR,C,W,E,S-UR*; *CAUC*; *SIB:W,E,S*; *FAR EAST:N,S*; *MID AS*;
cuspidatum Ehrh. ex Hoffm. *ARC:EURO,WS*; *EUR:NW,NE,N-UR,B,BLR,C,W,E,S-UR*; *CAUC*; *SIB:W,E,S*; *FAR EAST:N,S*;
cymbifolium (Ehrh.) Hedw. = *Sphagnum palustre*
denticulatum Brid. *EUR:NE,B,BLR,C*; *CAUC*;
dusenii C.Jens. ex Russ. et Warnst. in Russ. = *Sphagnum majus*
fallax (Klinggr.) Klinggr. *ARC:EURO,WS,ES,BE*; *EUR:NW,NE,N-UR,B,BLR,C,W,E,S-UR*; *CAUC*; *SIB:W,E,S*; *FAR EAST:N,S*;
fimbriatum Wils. in Wils. et Hook.f. *ARC:EURO,WS,ES,BE*; *EUR:NW,NE,N-UR,B,BLR,C,W,E,S-UR*; *CAUC*; *SIB:W,E,S*; *FAR EAST:N,S*;
flexuosum Dozy et Molk. *ARC:EURO,WS,ES*; *EUR:NW,NE,N-UR,B,BLR,C,W,E,S-UR*; *CAUC*; *SIB:W,E,S*; *FAR EAST:N,S*; *MID AS*;
fuscum (Schimp.) Klinggr. *ARC:EURO,WS,ES,BE*; *EUR:NW,NE,N-UR,B,BLR,C,W,S-UR*; *CAUC*; *SIB:W,E,S*; *FAR EAST:N,S*; *MID AS*;
girgensohnii Russ. *ARC:EURO,WS,ES,BE*; *EUR:NW,NE,N-UR,B,BLR,C,W,E,S-UR*; *CAUC*; *SIB:W,E,S*; *FAR EAST:N,S*; *MID AS*;
gravetii Russ. = *Sphagnum denticulatum*
imbricatum Hornsch. ex Russ. *ARC:EURO,WS,ES,BE*; *EUR:NW,B,BLR,W*; *CAUC*; *SIB:E,S*; *FAR EAST:N,S*;
inundatum Russ. *ARC:W*; *EUR:NW,NE,B,BLR,C*; *CAUC*; *FAR EAST:S*;
jensenii H.Lindb. *ARC:EURO,WS,ES*; *EUR:NW,NE,N-UR,B,BLR,C,S-UR*; *SIB:W,E,S*; *FAR EAST:N,S*;
 - var. *annulatum* Warnst. = *Sphagnum annulatum*
lenense H.Lindb. ex Pohle *ARC:EURO,WS,ES,BE*; *EUR:NW,N-UR,S-UR*; *SIB:W,E*; *FAR EAST:N,S*;
lescurii auct. non Sull. = *Sphagnum denticulatum*
 - var. *inundatum* (Russ.) Duell = *Sphagnum inundatum*
lindbergii Schimp. ex Lindb. *ARC:EURO,WS,ES,BE*; *EUR:NW,NE,N-UR,B,BLR,C,S-UR*; *SIB:W,E,S*; *FAR EAST:N,S*;
magellanicum Brid. *ARC:EURO,WS,ES,BE*; *EUR:NW,NE,N-UR,B,BLR,C,W,K,E,S-UR*; *CAUC*; *SIB:W,E,S*; *FAR EAST:N,S*; *MID AS*;
majus (Russ.) C.Jens. *ARC:EURO,WS*; *EUR:NW,NE,N-UR,B,BLR,C,W,E,S-UR*; *SIB:W,E*; *FAR EAST:N,S*;

- medium* Limpr. = *Sphagnum magellanicum*
molle Sull. EUR: NW, B, BLR, W;
molluscum Bruch = *Sphagnum tenellum*
nemoreum Scop. = *Sphagnum capillifolium*
obtusum Warnst. ARC: EURO, WS, ES, BE; EUR: NW, NE, N-UR, B, BLR, C, W, E, S-UR; CAUC;
 SIB: W, E, S; FAR EAST: N, S;
orientale L. Savicz ARC: EURO, WS, ES, BE; SIB: E, S; FAR EAST: N, S;
palustre L. EUR: NW, NE, B, BLR, C, W, E, S-UR; CAUC; SIB: W, E; FAR EAST: S; MID AS;
papillosum Lindb. ARC: EURO, WS; EUR: NW, NE, N-UR, B, BLR, C, W, E, S-UR; CAUC;
 SIB: W, S; FAR EAST: N, S;
parvifolium (Warnst.) Warnst. = *Sphagnum angustifolium*
perfoliatum L. Savicz ARC: EURO, WS, ES, BE; SIB: W, E; FAR EAST: N, S;
platyphyllum (Lindb. ex Braithw.) Sull. ex Warnst. ARC: EURO, WS, ES;
 EUR: NW, NE, N-UR, B, BLR, C, W, E, S-UR; CAUC; SIB: W, S; FAR EAST: N, S; MID AS;
plumulosum Roell = *Sphagnum subnitens*
pulchrum (Lindb. ex Braithw.) Warnst. ARC: ES; EUR: NW, NE, N-UR, BLR, C, W; FAR EAST: N, S;
quinquefarium (Lindb. ex Braithw.) Warnst. EUR: NW, NE, N-UR, B, BLR, C, W, S-UR;
 CAUC; SIB: W, E, S; FAR EAST: S;
recurvum auct. non P. Beauv. = *Sphagnum fallax*
 - var. *amblyphyllum* (Russ.) Warnst. = *Sphagnum flexuosum*
 - var. *macronatum* (Russ.) Warnst. = *Sphagnum fallax*
 - var. *parvifolium* (Sendtn. ex Warnst.) Warnst. = *Sphagnum angustifolium*
 - var. *tenue* Klinggr. = *Sphagnum angustifolium*
riparium Aongst. ARC: EURO, WS, ES; EUR: NW, NE, N-UR, B, BLR, C, W, E, S-UR; CAUC;
 SIB: W, E, S; FAR EAST: N, S;
robustum (Warnst.) Roell = *Sphagnum russowii*
rubellum Wils. ARC: EURO, WS, ES; EUR: NW, NE, N-UR, B, BLR, C, W, E, S-UR; CAUC;
 SIB: W, E, S; FAR EAST: N, S;
rufescens (Nees et Hornsch. in Nees et al.) Warnst. = *Sphagnum denticulatum*
russowii Warnst. ARC: EURO, WS, ES, BE; EUR: NW, NE, N-UR, B, BLR, C, W, E, S-UR; CAUC;
 SIB: W, E, S; FAR EAST: N, S; MID AS;
squarrosum Crome ARC: EURO, WS, ES, BE; EUR: NW, NE, N-UR, B, BLR, C, W, E, S-UR;
 CAUC; SIB: W, E, S; FAR EAST: N, S; MID AS;
subbicolor Hampe = *Sphagnum centrale*
subfulvum Sjoers EUR: NW, B; FAR EAST: S;
subnitens Russ. et Warnst. ex Warnst. EUR: NW, NE, B, BLR, C?, W; MID AS?;
subsecundum Nees ex Sturm ARC: EURO, WS, ES, BE; EUR: NW, NE, N-UR, B, BLR, C, W, E, S-UR;
 CAUC; SIB: W, E, S; FAR EAST: N, S; MID AS;
 - var. *auriculatum* (Schimp.) Norrl. = *Sphagnum denticulatum*
 - var. *contortum* (Schultz) Hueb. = *Sphagnum contortum*
 - var. *inundatum* (Russ.) C. Jens. = *Sphagnum inundatum*
 - var. *rufescens* (Nees ex Hornsch.) Hueb. = *Sphagnum denticulatum*
subtile (Russ.) Warnst. = *Sphagnum capillifolium*
tenellum (Brid.) Perss. ex Brid. ARC: EURO; EUR: NW, NE, B, BLR, C, W; CAUC; FAR EAST: N;
teres (Schimp.) Aongstr. ex Hartm. ARC: EURO, WS, ES, BE; EUR: NW, NE, N-UR, B, BLR, C, W, E, S-UR; CAUC; SIB: W, E, S; FAR EAST: N, S; MID AS;
warnstorffianum Du Rietz = *Sphagnum warnstorffii*
warnstorffii Russ. ARC: EURO, WS, ES, BE; EUR: NW, NE, N-UR, B, BLR, C, W, E, S-UR; CAUC;
 SIB: W, E, S; FAR EAST: N, S; MID AS;

wulfianum Girg. ARC:ES; EUR:NW,NE,N-UR,B,BLR,C,W,S-UR; SIB:W,E,S; FAR EAST:S;

Splachnum Hedw. (SPLACHNACEAE)

amoullaceum Hedw. EUR:NW,NE,B,BLR,C,W; CAUC; SIB:W,E,S; FAR EAST:N,S;
MID AS;

luteum Hedw. ARC:EURO,ES,BE; EUR:NW,NE,N-UR,B,C,S-UR; SIB:W,E,S; FAR EAST:N;

- var. *melanocaulon* Wahlenb. = *Splachnum melanocaulon*

melanocaulon (Wahlenb.) Schwaegr. EUR:NW,B; SIB:E; FAR EAST:N;

ovatum Hedw. = *Splachnum sphaericum*

pedunculatum Hedw. = *Splachnum sphaericum*

rubrum Hedw. ARC:EURO,ES; EUR:NW,NE,N-UR,B,C,S-UR; CAUC; SIB:W,E,S; FAR EAST:N,S;

sphaericum Hedw. ARC:EURO,WS,ES,BE; EUR:NW,NE,N-UR,B,W; SIB:E,S; FAR EAST:N; MID AS;

vasculosum Hedw. ARC:EURO,WS,ES,BE; EUR:NW,NE,B,C; MID AS;

wormskioldii Hornem. = *Aplodon wormskioldii*

Sporledera Hampe (DITRICHACEAE)

palustris (Bruch et Schimp.) Hampe EUR:W; CAUC;

Stegonia Vent. (POTTIACEAE)

latifolia (Schwaegr. in Schultes) Vent. ex Broth. ARC:EURO,WS,ES,BE; EUR:N-UR;
CAUC; SIB:W,E,S; MID AS;

- var. *pilifera* (Brid.) Broth. ARC:BE; CAUC; SIB:S; MID AS;

pilifera (Brid.) Crum et Anderson = *Stegonia latifolia* var. *pilifera*

Stellariomnium

blyttii (Bruch et Schimp. in B.S.G.) Bowers = *Mnium blyttii*

stellare (Hedw.) Bowers = *Mnium stellare*

Stereodon spp. = *Hypnum* spp.

Stokesiella

praelonga (Hedw.) Robins. = *Eurhynchium praelongum*

Streblotrichum

convolutum (Hedw.) Loeske = *Barbula convoluta*

croceum (Brid.) Loeske = *Barbula crocea*

enderesii (Garov.) Loeske = *Barbula enderesii*

flavipes (Bruch et Schimp.) Amann = *Barbula enderesii*

Stroemia

obtusifolia (Brid.) Hag. = *Orthotrichum obtusifolium*

Struckia C.Muell. (HYPNACEAE)

argentata C.Muell.

- ssp. *zerovii* (Lazar.) Tan et al. SIB:S;

Swartzia spp. = *Distichium* spp.

Syntrichia

- alpina* (Bruch et Schimp.) Jur. = *Tortula sinensis*
desertorum (Broth.) Amann = *Tortula caninervis*
ferganensis (Lazar.) Lazar. = *Tortula handelii* var. *ferganensis*
inermis (Brid.) Bruch = *Tortula inermis*
intermedia Brid. = *Tortula intermedia*
laevipila (Brid.) Schultz = *Tortula laevipila*
 - var. *propagulifera* (Milde) Moenk. = *Tortula pagorum*
latifolia (Bruch ex Hartm.) Hueb. = *Tortula latifolia*
leptopyxis (C. Muell.) Lazar. = *Tortula mucronifolia*
montana Nees = *Tortula intermedia*
 - ssp. *handelii* (Schiffn.) Podp. = *Tortula handelii*
mucronifolia Brid. = *Tortula mucronifolia*
norvegica Web.f. = *Tortula norvegica*
papillosa (Wils.) Jur. = *Tortula papillosa*
princeps (De Not.) Mitt. = *Tortula princeps*
pulvinata (Jur.) Jur. = *Tortula virescens*
ruralis (Hedw.) Brid. = *Tortula ruralis*
subulata (Hedw.) Web. et Mohr = *Tortula subulata*

Taxiphyllum Fleisch. (HYPNACEAE)

- alternans* (Card.) Iwats. FAR EAST:S;
aomoriense (Besch.) Iwats. FAR EAST:S;
densifolium (Lindb. ex Broth.) Reim. CAUC;
taxirameum (Mitt.) Fleisch. FAR EAST:S;
wissgrillii (Garov.) Wijk et Marg. EUR:NW,B,BLR,C,W,K,S-UR; CAUC; SIB:S;

Tayloria Hook. (SPLACHNACEAE)

- acuminata* Hornsch. ARC:EURO,ES; EUR:NE?; SIB:S; MID AS;
froelichiana (Hedw.) Mitt. ex Broth. ARC:BE; EUR:NW; CAUC; SIB:S; MID AS;
hornschuchii (Grev. et Arnott) Broth. ARC:BE; MID AS;
lingulata (Dicks.) Lindb. ARC:EURO,WS,ES,BE; EUR:NW,W; CAUC?; SIB:E,S; FAR EAST:N;
serrata (Hedw.) Bruch et Schimp. in B.S.G. ARC:BE; EUR:NW?,B,W,S-UR; CAUC; MID AS;a
 - var. *tenuis* (Dicks.) Bruch et Schimp., non De Not. = *Tayloria tenuis*
splachnoides (Schleich. ex Schwaegr.) Hook. ARC:ES; EUR:NW; CAUC?; MID AS;
 - var. *acuminata* (Hornsch.) Hueb. = *Tayloria acuminata*
tenuis (Dicks.) Schimp. ARC:ES,BE; EUR:NW,NE,N-UR,B,W; SIB:S; FAR EAST:N; MID AS;

Tetracladium

- komarovii* (L. Savicz) Broth. = *Thuidium molkenboeri*
molkenboeri (Sande Lac.) Broth. = *Thuidium molkenboeri*

Tetraphis Hedw. (TETRAPHIDACEAE)

- geniculata* Girg. ex Milde FAR EAST:S;
pellucida Hedw. ARC:EURO,ES,BE; EUR:NW,NE,N-UR,B,BLR,C,W,S-UR; CAUC; SIB:W,E,S; FAR EAST:N,S; MID AS;
trachypoda (Kindb.) Lazar. = *Tetraphis pellucida*

Tetraplodon Bruch et Schimp. in B.S.G. (SPLACHNACEAE)

angustatus (Hedw.) Bruch et Schimp. in B.S.G. *ARC:EURO; EUR:NW,NE,C,W,S-UR; SIB:W,E,S; FAR EAST:N,S; MID AS;*

balticus Warnst. = *Tetraplodon angustatus*

bryoides Lindb. = *Tetraplodon mnioides*

mnioides (Hedw.) Bruch et Schimp. in B.S.G. *ARC:EURO,WS,ES,BE; EUR:NW,NE,N-UR,B,C,W,S-UR; SIB:W,E,S; FAR EAST:N,S; MID AS;*

- var. **paradoxus** Hag. p.p. = *Tetraplodon paradoxus*

muelleri H.Arnell = *Tetraplodon paradoxus*

pallidus Hag. *ARC:EURO,WS,BE;*

paradoxus (R.Br.) Hag. *ARC:EURO,WS,ES,BE; EUR:N-UR; SIB:E,S;*

tschuctschicus C.Muell. = *Aplodon wormskioldii*

tschuctschicus Lindb. = *Tetraplodon paradoxus*

urceolatus (Hedw.) Bruch et Schimp. in Schimp. *ARC:EURO,WS,BE; CAUC; SIB:S; MID AS;*

wormskioldii (Hornem.) Lindb. = *Aplodon wormskioldii*

Tetrodontium Schwaegr. (TETRAPHIDACEAE)

brownianum (Dicks.) Schwaegr. *EUR:W; CAUC; SIB:S;*

- var. **ovatum** (Funck) Wijk et Marg. = *Tetrodontium ovatum*.

- var. **repandum** (Funck) Limpr. = *Tetrodontium repandum*

ovatum (Funck) Schwaegr. *EUR:W;*

repandum (Funck in Sturm) Schwaegr. *CAUC;*

Thamnum

alopecurum (Hedw.) Bruch et Schimp. in B.S.G. = *Thamnobryum alopecurum*

coreanum Card. = *Thamnobryum coreanum*

obtusatum (Lindb. et H.Arnell) Par. = *Thamnobryum neckeroides*

plicatulum Sande Lac. = *Thamnobryum plicatulum*

sandei Besch. = *Thamnobryum subseriatum*

vorobjovii Lazar. ex Lazar. = *Thamnobryum vorobjovii*

Thamnobryum Nieuwl. (THAMNOBRYACEAE)

alopecurum (Hedw.) Gang. *EUR:B,BLR,W,K; CAUC;*

coreense (Card.) Nog. et Iwats. *FAR EAST:S;*

neckeroides (Hook.) Lawt. *SIB:E,S; FAR EAST:S;*

plicatulum (Sande Lac.) Iwats. *FAR EAST:S;*

sandei (Besch.) Nog. = *Thamnobryum subseriatum*

subseriatum (Mitt. ex Sande Lac.) Tan *FAR EAST:S;*

vorobjovii (Lazar. ex Lazar.) Ochyra *FAR EAST:S;*

Thuidiopsis

insulana Podp. = *Claopodium pellucinerve*

Thuidium Schimp. in B.S.G. (THUIDIACEAE)

abietinum (Hedw.) Schimp. in B.S.G. = *Abietinella abietina*

- var. **hystricosum** (Mitt.) Kindb. = *Abietinella abietina* var. *hystricosa*

bipinnatulum Mitt. = *Cyrto-hypnum sparsifolium*

cymbifolium (Dozy et Molk.) Dozy et Molk. *FAR EAST:S;*

delicatulum (Hedw.) Schimp. in B.S.G. *ARC:ES; EUR:NW,NE,B,BLR,C,W,S-UR; CAUC; SIB:W,E,S; FAR EAST:S;*

- var. *radicans* (Kindb.) Crum et al. = *Thuidium philibertii*
- glaucinum* (Mitt.) Bosch et Sande Lac. FAR EAST:S;
- gracile* Schimp. in B.S.G. = *Bryohaplocladium microphyllum*
- hystricosum* Mitt. = *Abietinella abietina* var. *hystricosa*
- kanedae* Sak. FAR EAST:S;
- komarowii* L.Savicz = *Thuidium molkenboeri*
- lepidoziaecum* Sak. = *Cyrto-hypnum vestitissimum*
- mentiense* Podp. = *Helodium paludosum*
- microphyllum* (Hedw.) Jaeg. = *Bryohaplocladium microphyllum*
- minutulum* (Hedw.) Schimp. in B.S.G. = *Cyrto-hypnum minutulum*
- molkenboeri* Sande Lac. FAR EAST:S;
- pacificum* Podp. = *Bryohaplocladium microphyllum*
- philibertii* Limpr. ARC:EURO,ES,BE; EUR:NW,NE,N-UR,B,BLR,C,W,K,E,S-UR; CAUC;
SIB:W,E,S; FAR EAST:N,S; MID AS;
- pygmaeum* Schimp. in B.S.G. = *Cyrto-hypnum pygmaeum*
- recognitum* (Hedw.) Lindb. ARC:ES,BE; EUR:NW,NE,N-UR,B,BLR,C,W,K,E,S-UR;
CAUC; SIB:W,E,S; MID AS;
- submicropteris* Card. FAR EAST:S;
- subtilissimum* Podp. = *Cyrto-hypnum pygmaeum*
- tamariscifolium* Lindb. = *Thuidium tamariscinum*
- tamariscinum* (Hedw.) Schimp. in B.S.G. EUR:NW,B,BLR,C,W,S-UR?; CAUC; FAR
EAST:S;
- tripolitovae* Podp. = *Bryohaplocladium microphyllum*
- vestitissimum* Besch. = *Cyrto-hypnum vestitissimum*

T i m m i a Hedw. (TIMMIACEAE)

- austriaca* Hedw. ARC:EURO,WS,ES,BE; EUR:NW,NE,N-UR,C,W,E,S-UR?; CAUC;
SIB:W,E,S; FAR EAST:N;
- var. *arctica* (Lindb.) H.Arnell ARC:EURO,ES,BE; FAR EAST:N;
- bavarica* Hessel. = *Timmia megapolitana* var. *bavarica*
- comata* Lindb. et H.Arnell = *Tortula norvegica* var. *excurrens*
- megapolitana* Hedw. ARC:EURO,ES; EUR:NW,NE,B,BLR,C,W,K,E; CAUC; SIB:W,E,S;
FAR EAST:N,S; MID AS;
- var. *bavarica* (Hessel.) Brid. ARC:ES,BE; EUR:NW,NE,N-UR,B,BLR,C,W,K,E,S-UR;
CAUC; SIB:W,E,S; MID AS;
- norvegica* Zett. ARC:EURO,ES,BE; EUR:NW?,NE; CAUC; SIB:E,S; FAR EAST:S;
MID AS;
- var. *excurrens* Bryhn ARC:EURO,ES,BE; EUR:NW,NE,N-UR; CAUC; SIB:E,S;
- sibirica* Lindb. et H.Arnell ARC:BE; SIB:E;

T i m m i e l l a (De Not.) Limpr. (POTTIACEAE)

- anomala* (Bruch et Schimp. in B.S.G.) Limpr. EUR:S-UR?; CAUC?; SIB:S; FAR
EAST:S; MID AS;
- barbula* (Schwaegr.) Limpr. = *Timmiella barbuloidea*
- barbuloidea* (Brid.) Moenk. MID AS;
- corniculata* (Wahlenb.) Broth. FAR EAST:N;
- leptocarpa* Broth. = *Timmiella anomala*
- multiflora* Broth. = *Timmiella anomala*
- rosulata* Broth. = *Timmiella anomala*

Tomentypnum spp. = *Tomentypnum* spp.

T o m e n t y p n u m Loeske (BRACHYTHECIACEAE)

- falcifolium* (Ren. ex Nichols) Tuom. in Ahti et Fagers. *ARC:BE; SIB:S;*
nitens (Hedw.) Loeske *ARC:EURO,WS,ES,BE; EUR:NW,NE,N-UR,B,BLR,C,W,E,S-UR;*
CAUC; SIB:W,E,S; FAR EAST:N,S;

T o r t e l l a (Lindb.) Limpr. (POTTIACEAE)

- arctica* (H.Arnell) Crundw. et Nyh. *ARC:ES,BE; SIB:E;*
brotheri (Lindb. ex Broth.) Broth. = *Tortella tortuosa*
caespitosa (Schwaegr.) Limpr. = *Tortella humilis*
cylindrica (Brid.) Loeske = *Oxystegus tenuirostris*
flavovirens (Bruch in F.Muell.) Broth. *EUR:B?;*
fragilis (Hook. et Wils. in Drumm.) Limpr. *ARC:EURO,ES,BE; EUR:NW,NE,N-UR,B,E,K,S-UR; CAUC; SIB:W,E,S; FAR EAST:N,S; MID AS;*
humilis (Hedw.) Jenn. *EUR:W,K; CAUC;*
inclinata (Hedw.f.) Limpr. *ARC:ES; EUR:NE?,B,W,E,K; CAUC; SIB:S; FAR EAST:S; MID AS;*
nitida (Lindb.) Broth. *MID AS;*
rigens Alb. *EUR:B;*
squarrosa (Brid.) Limpr. = *Pleurochaete squarrosa*
tortuosa (Hedw.) Limpr. *ARC:EURO,WS,ES,BE; EUR:NW,NE,N-UR,B,BLR,W,K,E,S-UR;*
CAUC; SIB:W,E,S; FAR EAST:N,S; MID AS;
 - var. *arctica* (H.Arnell) Broth. = *Tortella arctica*

T o r t u l a Hedw. (POTTIACEAE)

- aciphylla* (Bruch et Schimp. in B.S.G.) Hartm. = *Tortula norvegica*
aestiva (Hedw.) P.Beauv. = *Tortula muralis* var. *aestiva*
afanassievii Lazar. *MID AS;*
angustifolia Lindb. ex Broth. = *Pottia davalliana* var. *angustifolia*
arenacea (Sull. et Lesq.) Culm. = *Tortula obtusifolia*
atrovirens (Sm.) Lindb. *CAUC; MID AS;*
brevissima Schiffn. *MID AS;*
calcicola Grebe = *Tortula calcicolens*
calcicolens Kramer *EUR:W; MID AS;*
canescens Mont. *EUR:W,K; CAUC; MID AS;*
caninervis (Mitt.) Broth. *EUR:W,K,E,S-UR; CAUC; SIB:S; MID AS;*
caucasica Lindb. ex Broth. = *Pottia caucasica*
convoluta (Brid.) Pyl. = *Tortula atrovirens*
cuneifolia (Dicks.) Turn. *EUR:BLR?,W?; MID AS;*
desertorum Broth. = *Tortula caninervis*
dicksoniana (Schultz) Podp. = *Tortula cuneifolia*
ferganensis Lazar. = *Tortula handelii* var. *ferganensis*
fiorii (Vent.) G.Roth *MID AS;*
grandiretis Broth. *MID AS;*
handelii Schiffn. *EUR:W; MID AS;*
 - var. *ferganensis* (Lazar.) Kramer *MID AS;*
hirsuta (Vent.) Lazar. in Lazar. et al. = *Tortula papillosissima*
inermis (Brid.) Mont. *EUR:K; CAUC; MID AS;*
intermedia (Brid.) De Not. *EUR:W,K,E; CAUC; MID AS;*
laevipila (Brid.) Schwaegr. *EUR:B; CAUC; SIB:S; FAR EAST:S; MID AS;*
 - var. *propagulifera* Lindb. = *Tortula pagorum*

- latifolia* Bruch ex Hartm. *EUR:BLR,W; CAUC;*
lazarenkoi L.Savicz *MID AS;*
leptopyxis (C.Muell.) Lindb. et H.Arnell = *Tortula mucronifolia*
limbata Lindb. = *Tortula marginata*
lingulata Lindb. *EUR:NW,B,C,W; CAUC; MID AS;*
marginata (Bruch et Schimp. in B.S.G.) Spruce *MID AS;*
montana (Nees) Lindb. = *Tortula intermedia*
montenegrina (Breidl. et Szysz.) Broth. = *Tortula lingulata*
mucronifolia Schwaegr. *ARC:EURO,WS,ES,BE; EUR:NW,NE,C,W,K,E,S-UR; CAUC;*
SIB:W,E,S; FAR EAST:N,S; MID AS;
muelleri Hook.f. et Wils. = *Tortula princeps*
 muralis Hedw. *EUR:NW,B,BLR,C,W,K,E,S-UR; CAUC; SIB:S; MID AS;*
 - var. *aestiva* Hedw. *EUR:B,BLR,C,W,K,E; CAUC; MID AS;*
mutica Lindb. = *Tortula latifolia*
norvegica (Web.f.) Wahlenb. ex Lindb. *ARC:EURO,ES,BE; EUR:NW,NE,N-UR,W,K,S-*
UR; CAUC; SIB:W,E,S; FAR EAST:S; MID AS;
obtusifolia (Schwaegr.) Mathieu *ARC:BE; EUR:E,S-UR?; CAUC; SIB:S; MID AS;*
pagorum (Milde) De Not. *CAUC; SIB:E,S; MID AS;*
papillosa Wils. in Spruce *EUR:W; CAUC;*
papillosissima (Copp.) Broth. *CAUC; SIB:S; MID AS;*
paulsenii Broth. *MID AS;*
pellucida Lindb. = *Tortula marginata*
princeps De Not. *CAUC; MID AS;*
 - var. *parnassica* (Schiffn.) Wijk et Marg. *MID AS;*
propagulata Lazar. = *Tortula pagorum*
pseudohandelii Froehl. *MID AS;*
pulvinata (Jur.) Limpr. = *Tortula virescens*
raddei Broth. *MID AS;*
revolutifolia Lazar. *MID AS;*
revolvens (Schimp.) G.Roth = *Tortula fiorii*
ruraliformis (Besch.) Ingh. *EUR:B,W,K; CAUC; MID AS;*
 - var. *subpapillosissima* (Bizot et Pier.) Kramer *CAUC;*
ruralis (Hedw.) Gaertn. et al. *ARC:EURO,WS,ES,BE; EUR:NW,NE,N-*
UR,B,BLR,C,W,K,E,S-UR; CAUC; SIB:W,E,S; FAR EAST:N,S; MID AS;
 - ssp. *hirsuta* (Vent.) Kramer = *Tortula ruraliformis*
 - var. *alpina* Wahlenb. = *Tortula norvegica*
 - var. *arenicola* Braithw. = *Tortula ruraliformis*
 - var. *calcicola* (Grebe) Malta = *Tortula calcicolens*
 - var. *crinita* De Not. = *Tortula intermedia*
 - var. *ruraliformis* (Besch.) Wild. = *Tortula ruraliformis*
scabrinervis Lazar., non Mitt. = *Tortula lazarenkoi*
sinensis (C.Muell.) Broth. *EUR:W,K; CAUC; SIB:S; FAR EAST:S; MID AS;*
submontana Broth. *MID AS;*
subulata Hedw. *EUR:NW?,B,BLR,C,W,K,E; CAUC; MID AS;*
 - var. *laevifolia* Lindb. = *Tortula mucronifolia*
thianschanica Broth. *MID AS;*
trachyphylla Broth. *MID AS;*
transcaspica Broth. *MID AS;*
vahliana (Schultz) Wils. *CAUC;*
velenovskiyi Schiffn. = *Hilpertia velenovskiyi*
virescens (De Not.) De Not. *EUR:B,BLR,C,W,K; CAUC; MID AS;*

Trachycystis Lindb. (MNIACEAE)

- arcuata* (Broth.) Lazar. = *Trachycystis ussuriensis*
flagellaris (Sull. et Lesq.) Lindb. FAR EAST:N,S;
immarginata (Lindb. ex Broth.) Broth. = *Trachycystis ussuriensis*
microphyllus (Dozy et Molk.) Lindb. FAR EAST:S;
ussuriense (Maack et Regel in Regel) T.Kop. ARC:BE; CAUC; SIB:S; FAR EAST:N,S; MID AS;

Trematodon Michx. (DICRANACEAE)

- ambiguus* (Hedw.) Hornsch. EUR:NW,B,BLR,C,W; CAUC; SIB:E; FAR EAST:N,S;
brevicollis Hoppe et Hornsch ex Hornsch. EUR:NW; SIB:S; MID AS;
elongatus Hag. = *Trematodon ambiguus*

Trichodon

- cylindricus* (Hedw.) Schimp. = *Ditrichum cylindricum*

Trichostomopsis Card. (POTTIACEAE)

- aaronii* (Lor.) Agnew et Townsend MID AS;

Trichostomum Bruch (POTTIACEAE)

- arcticum* Kaal. ARC:ES,BE; SIB:E,S; FAR EAST:N;
brachydontium Bruch in F.Muell. EUR:W,K; CAUC; FAR EAST:S?;
brevifolium C.Muell. = *Trichostomum crispulum* var. *brevifolium*
connivens (Lindb. ex Broth.) Par. [?] CAUC;
crispulum Bruch in F.Muell. ARC:ES,BE; EUR:NW,NE,B,W,K; CAUC; SIB:E,S; FAR EAST:S; MID AS;
 - var. *angustifolium* Bruch et Schimp. in B.S.G. = *Trichostomum crispulum* var. *viridulum*
 - var. *brevifolium* (C.Muell.) Bruch et Schimp. in B.S.G. EUR:W; CAUC; MID AS;
 - var. *cucullatum* (G.Roth) Podp. = *Trichostomum crispulum*
 - var. *viridulum* (Bruch) Dix. EUR:W; CAUC;
cuspidatissimum Card. et Ther. = *Trichostomum arcticum*
cylindricum (Brid.) C.Muell. = *Oxystegus tenuirostris*
mutabile Bruch = *Trichostomum brachydontium*
tenuirostre Lindb. = *Oxystegus tenuirostris*
viridulum Bruch = *Trichostomum crispulum* var. *viridulum*

Ulota Mohr (ORTHOTRICHACEAE)

- americana* (P.Beauv.) Limpr. = *Ulota hutchinsiae*
americana Mitt. = *Ulota curvifolia*
bruchii Hornsch. ex Brid. EUR:B,BLR,W;
coarctata (P.Beauv.) Hammar EUR:B,BLR,W; CAUC;
crispa (Hedw.) Brid. EUR:NW,B,BLR,W,K; CAUC; SIB:S; FAR EAST:S; MID AS;
crispula Bruch = *Ulota crispa*
curvifolia (Wahlenb.) Lilj. ARC:EURO,BE; EUR:NW,NE,B,S-UR; CAUC; SIB:W,S; FAR EAST:N,S; MID AS;
drummondii (Hook. et Grev. in Grev.) Brid. EUR:B,W; FAR EAST:S;
hutchinsiae (Sm.) Hammar EUR:B?,W?; CAUC;
japonica (Sull. et Lesq.) Mitt. FAR EAST:S;
phyllantha Brid. EUR:NW; FAR EAST:?

rehmannii Jur. *EUR:w; CAUC;*
ulophylla Broth. = *Ulota crispa*

Usmania

campylopoda Lazar. = *Grimmia pitardii*

Vesicularia (C.Muell.) C.Muell. (HYPNACEAE)

flaccida (Sull. et Lesq.) Iwats. *FAR EAST:s;*

Voitia Hornsch. (SPLACHNACEAE)

hyperborea Grev. et Arnott *ARC:EURO,ES,BE;*

nivalis Hornsch. *SIB:s; MID AS;*

- var. *hyperborea* (Grev. et Arnott) Schimp. = *Voitia hyperborea*

Warnstorfia Loeske (AMBLYSTEGIACEAE)

exannulata (Guemb. in B.S.G.) Loeske *ARC:EURO,WS,ES,BE; EUR:NW,NE,N-UR,B,BLR,C,W,E,S-UR; CAUC; SIB:w,e,s; FAR EAST:n,s; MID AS;*

fluitans (Hedw.) Loeske *ARC:EURO,WS,ES,BE; EUR:NW,NE,N-UR,B,BLR,C,W,E,S-UR; CAUC; SIB:w,e,s; FAR EAST:n,s; MID AS;*

h-schulzei (Limpr.) Loeske *EUR:nw;*

pseudostraminea (C.Muell.) Tuom. et Kop. *ARC:ES; EUR:nw;*

trichophylla (Warnst.) Tuom. et Kop. *EUR:nw,b;*

Webera spp. = *Pohlia* spp.

Weissia Hedw. (POTTIACEAE)

brachycarpa (Nees et Hornsch. in Nees et al.) Jur. *EUR:B,BLR,C,W,K,E,S-UR; CAUC; SIB:w,s; FAR EAST:s; MID AS;*

condensa (Voit) Lindb. *EUR:w,k; CAUC; SIB:s; MID AS;*

controversa Hedw. *EUR:NW,B,BLR,C,W,K,E,S-UR; CAUC; SIB:w,e,s; FAR EAST:s; MID AS;*

exserta (Broth.) Chen *SIB:s; MID AS;*

fallax Sehm. *EUR:c,w,k; CAUC; MID AS;*

krassavinii (Lazar.) Lazar. ex *Ochyra* *MID AS;*

levieri (Limpr.) Kindb. = *Astomum levieri*

longifolia Mitt. = *Astomum crispum*

microstoma (Hedw.) C.Muell. = *Weissia brachycarpa*

mucronata Bruch = *Weissia rutilans*

pacifica Podp. = *Weissia rutilans*

papillosissima Lazar. *MID AS;*

planifolia Broth. *FAR EAST:s;*

platyphylla Broth. = *Weissia planifolia*

rostellata (Brid.) Lindb. *EUR:w;*

rupestris C.Muell. = *Gymnostomum aeruginosum*

rutilans (Hedw.) Lindb. *EUR:NE,W,S-UR; CAUC; FAR EAST:s; MID AS;*

tortilis (Schwaegr.) C.Muell. = *Weissia condensa*

triumphans (De Not.) M.Hill *MID AS;*

tyrrhena Fleisch. *MID AS;*

viridula Hedw. = *Weissia controversa*

- ssp. *tyrrhena* (Fleisch.) Amann = *Weissia tyrrhena*

wimmeriana (Sendtn.) Bruch et Schimp. in B.S.G. *EUR:nw CAUC;*

Z y g o d o n Hook. et Tayl. (ORTHOTRICHACEAE)

- conoideus (Dicks.) Hook. et Tayl. *SIB:S; FAR EAST:S;*
rupestris (Lindb. ex Hartm.) Lindb. ex Britt. = *Zygodon viridissimus*
viridissimus (Dicks.) Brid. *ARC:EURO; EUR:NW,B,C,W; CAUC; SIB:W;*
 - var. *baumgartneri* (Malta) Duell = *Zygodon viridissimus*
 - var. *rupestris* Lindb. ex Hartm. = *Zygodon viridissimus*

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