

DISTRIBUTION OF
BRYOPHYTES IN THE
BRITISH ISLES

A Census Catalogue of their
Occurrence in Vice-Counties

M. F. V. CORLEY
M. O. HILL

BRITISH BRYOLOGICAL SOCIETY

P. Stentz
1981

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Occurrence in Vice-Counties

Prepared by

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M. O. HILL (Recorder of Mosses)



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CARDIFF

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INTRODUCTION

FOR THE PURPOSES of botanical recording, Great Britain is divided into 112 vice-counties; Ireland is divided into 40 vice-counties. The Channel Islands, though geographically part of Normandy, are conventionally considered also as a British vice-county.

The main purpose of the present volume is to present the distribution of bryophytes in the 153 vice-counties. It is therefore the successor to the British Bryological Society's *Census Catalogues* of mosses and hepatics (Warburg, 1963; Paton, 1965).

The latest *Census Catalogues* were published nearly twenty years ago, during a period of unprecedented activity among British bryologists. In 1964, for example, there were roughly 250 new records of hepatics, 420 new records of mosses, and an additional 250 records due to the inclusion of published distributions for the *Bryum erythrocarpum* complex. At present the rate of additions is substantially lower. Ignoring the numerous amendments that have been necessitated by preparations for the present volume, it is running at about 100 new records a year for hepatics and 200 new records a year for mosses. Considering that the total number of records in the latest *Census Catalogues* is about 60,000 and that about 10,000 new records have accumulated in the past twenty years, the need for an updated volume is evident.

In addition to bringing the *Census Catalogues* up to date, the present volume serves as an updated check-list of bryophytes in the British Isles. Taxa that have been added since publication of the standard floras (Macvicar, 1926; Smith, 1978a) are indicated in the notes. There is an index of synonymy, cross-referencing to the nomenclature of the *Census Catalogues* and of the standard floras.

There is also an index of maps, listing the maps of bryophyte distributions that have hitherto been published by the British Bryological Society.

Vice-county recording and its advantages

The system of vice-county recording is as follows. Additions to the recorded distributions are accepted only if supported by a voucher. In most cases the voucher is checked by the Recorder for Hepatics or the Recorder for Mosses as appropriate. A small minority of specimens are checked by other competent bryologists, whose authority

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is then cited along with the record. Voucher specimens sent to the Recorders are retained and deposited in the herbarium of the British Bryological Society (BBSUK). They are therefore available for checking again in future if necessary. New records are published in the *Bulletin of the British Bryological Society* once a year. The records are also entered in notebooks kept by the Recorders, and are used for the preparation of volumes such as the present one.

Vice-county recording is often criticized as archaic; and vice-counties are admittedly not ideal as the basis of a modern recording system. Their major drawback is that they are not indicated on Ordnance Survey maps, and therefore have to be specially described and illustrated by those who wish to use them. On the other hand, the system has many advantages. It ensures that at a broad scale of resolution, distributional data are checked by a competent expert. It ensures that herbarium material from a wide range of localities is available if a species needs to be revised. It allows bryologists to publish occasional finds that they may make, and at the same time provides them with an automatic service for checking their specimens.

Perhaps the greatest advantage of the system is in encouraging amateurs and beginners. A bryologist anywhere in the British Isles can get some idea of the taxa that he is likely to find in his area. For a beginner, it is a great encouragement to make a new find for his area and to have it published. Indeed, the encouragement provided by the system has been a major factor in raising the standard of field bryology in Britain, so that it is now one of the highest in the world.

Finally, the vice-county records will be useful when it comes to preparing the Society's projected atlas of bryophytes in the British Isles. The existence of vice-county data of high quality will allow the distribution maps to be checked both for errors and for omissions.

History of distributional recording

The Moss Exchange Club was founded in 1896. At about the same time, new floras were published by Dixon & Jameson (1896) and Lett (1902). Interest in the distribution of British bryophytes soon increased to the point where it was possible to publish a census of their occurrence in the vice-counties of Britain and Ireland (Macvicar, 1905; Ingham, 1907). From these early *Census Catalogues*, the present system of vice-county recording has developed.

The following chronology lists the main events in the progress of distributional recording in the British Isles.

1881 *London Catalogue of British Mosses* ed. 2 (Lees, 1881), with distributions in 18 'provinces' of Britain. This came at about

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- the time of a marked increase in publication of county lists of bryophytes, records appearing in the *Report of the Botanical Record Club* and other journals.
- 1896 Formation of the Moss Exchange Club; this lasted until 1922 (Foster, 1979), and on 1 January 1923 was formally reconstituted as the British Bryological Society.
- 1897 E. C. Horrell published a note in the circulating notebook of the Moss Exchange Club, indicating that by that time fairly good lists of mosses had been published for about 50 vice-counties of Great Britain. He intended to publish a census; but he was not a good organizer, and the scheme lapsed.
- 1902 Publication of a hepatic flora by Lett (1902), including (very incomplete) vice-county distributions for each species.
- 1905 *Census Catalogue of British Hepatics* ed. 1 (Macvicar, 1905).
- 1907 *Census Catalogue of British Mosses* ed. 1 (Ingham, 1907).
- 1909 Vice-county records were indicated by an asterisk in the *Report of the Moss Exchange Club*. This practice continued until 1946, when publication of the *Report of the British Bryological Society* (as it then was) ceased and a new format was introduced for the Society's *Transactions*. However, until 1937, new vice-county records were not published unless material was submitted for distribution in the annual exchange.
- 1913 *Census Catalogue of British Hepatics* ed. 2 (Ingham, 1913).
- 1923 J. B. Duncan became Recorder of Mosses for the newly founded British Bryological Society and opened an official B.B.S. book of moss records. All vice-county records and amendments made between 1907 and 1961 were entered in this book, with the exception of the period 1926-34, for which they were entered in an interleaved copy of the 2nd edition of the moss catalogue. From 1962 to 1980, new records have been entered in an interleaved copy of Warburg (1963). An official B.B.S. record book for hepatics was opened in 1923 likewise by A. Wilson. This was superseded by a new hepatic record book dating from 1963.
- 1926 *Census Catalogue of British Mosses* ed. 2 (Duncan, 1926). Sphagna were entered according to two systems, Dixon's and Warnstorff's. However, Dixon's system was not used after this date, and the Warnstorffian system of recording sphagna was maintained by W. R. Sherrin.
- 1929 Issue of a first supplement to the moss catalogue, bringing distributions up to date. Records were indicated as amendments only, without recorder, locality or date.

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- 1930 *Census Catalogue of British Hepatics* ed. 3 (Wilson, 1930).
- 1935 Supplements to both *Census Catalogues* were issued by the B.B.S. in the same style as the 1929 supplement, and including all the records given there.
- 1937 Full details of new vice-county records subsequent to the 1935 supplements were published in the *Report for 1936*. From this time onwards, all new records have been published with details of locality, recorder and date. This year also saw publication of a first *Census Catalogue of British Sphagna* (Sherrin, 1937); a second edition of the sphagnum catalogue was published in 1946 (Sherrin, 1946).
- 1946 The B.B.S. was re-formed and revitalized after the 1939–45 war. From this time onwards, new records have been published only if supported by a voucher. Prior to this, records were sometimes accepted on the basis of manuscript lists.
- 1952 Following publication of a new check-list of mosses by Richards & Wallace (1950), the Warnstorffian system of recording sphagna was dropped. The group ceased to have a separate Recorder.
- 1960 A scheme for mapping bryophytes in 10-km squares of the National Grid was launched. Maps began to be published in the *Transactions of the B.B.S.* in 1963.
- 1963 *Census Catalogue of British Mosses* ed. 3 (Warburg, 1963).
- 1965 *Census Catalogue of British Hepatics* ed. 4 (Paton, 1965). The nomenclature in this catalogue was largely based on a check-list by Jones (1958).
- 1975 New vice-county records were first published in the *Bulletin of the B.B.S.* rather than in the *Journal of Bryology* (and its predecessor, the *Transactions of the B.B.S.*).
- 1978 *Provisional Atlas of the Bryophytes of the British Isles*, with dot-maps of 104 species on a 10-km grid (Smith, 1978b). Publication of *The Moss Flora of Britain and Ireland* (Smith, 1978a) stimulated work leading to production of the present volume.

RECORDERS OF HEPATICS

- 1905 S. M. Macvicar
- 1906–23 W. Ingham
- 1923–46 A. Wilson
- 1947 Miss G. Wigglesworth
- 1948–59 C. P. Castell
- 1960–76 Mrs J. A. Paton
- 1977– M. F. V. Corley

RECORDERS OF MOSSES

- 1906–7 T. Barker
- 1907–23 W. Ingham
- 1923–46 J. B. Duncan
- 1946–65 E. F. Warburg
- 1966 A. R. Perry
- 1967–75 A. C. Crundwell
- 1976– M. O. Hill

Accuracy of vice-county records

It can be seen from the foregoing history that the system of recording has only gradually evolved to its present state. In the early years, a much less critical attitude was adopted. The first editions of the *Census Catalogues* were based mainly on literature records and manuscript lists.

Certain areas and groups of taxa were revised at an early stage, and contain relatively few errors. For example, Macvicar (1910) published a complete list of the known records of hepatics in Scotland. The Scottish data for this group are therefore generally reliable. Likewise, for some counties such as Dorset (v.-c. 9) the original list of mosses was based on specimens that had been verified by a competent bryologist (in this case H. Boswell). But the data for several other counties contained many inaccuracies.

As time has passed the more glaring errors have been eliminated. Warburg (1963) and Paton (1965) revised several distributions for their editions of the *Census Catalogues*, and we have done likewise for the present volume. The mapping scheme has also made a contribution; vice-county records untraced for maps published in the *Journal of Bryology* have been deleted as the maps appeared.

In addition to revisions of particular species, there has been a steady flow of county floras and county lists (for a list of these see Pearman, 1979). Several of the county floras have involved critical revisions of the list of species for particular vice-counties. As such floras were published, the necessary amendments were included along with the year's new records in the Society's *Bulletin*. For several vice-counties, members of the B.B.S. have kindly supplied amendments in advance of the county floras going to press.

Tracing distributional records

The chief sources of records listed here are the first editions of the *Census Catalogues* and the lists of additions and amendments published over the years by the B.B.S.

If a species is listed as occurring in a vice-county, then a reliable localized record ought to be traceable. Records accruing since 1935 have almost all been published and most are represented by specimens in the B.B.S.'s herbarium (BBSUK). Details of the remainder can generally be had from the notebooks kept by the Recorders. For species revised for this edition, the Recorders are retaining a list of localities and dates of records, together with locations of specimens.

Earlier records that have been added since the first *Census Catalogues* can be more difficult to trace. Many were published in the *Reports*

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of the Moss Exchange Club and the British Bryological Society. For those that were not published in the *Reports*, the Recorders' books can be helpful but are often cryptic. For example, when Ingham was Recorder of Mosses, he annotated a copy of the first edition of the *Census Catalogue of British Mosses*. A typical annotation is '258 (*Weissia sterilis*), v.-c. 37, Duncan (*leg. Knight*)'. The specimen is probably in J. B. Duncan's herbarium, now at the Royal Botanic Garden, Edinburgh (E), or in H. H. Knight's herbarium, now at the National Museum of Wales (NMW); but it could be in the B.B.S.'s herbarium (BBSUK) or absent. There is no way of knowing, and unless the record was published it may now be untraceable. Fortunately this is unlikely, as records of rarities such as *W. sterilis* were normally published in local naturalists' journals or the London *Journal of Botany*.

The greatest difficulties arise in tracing records in the first editions of the *Census Catalogues*. Most of the records were based on published sources, which were cited in the *Census Catalogues* themselves. But many of the records were based on manuscript lists, and these have now been lost.

VICE-COUNTIES OF GREAT BRITAIN AND IRELAND

THE VICE-COUNTIES of Great Britain were originally defined by Watson (1852). The vice-counties of Ireland were defined by Praeger (1901). Since those times, county boundaries have frequently been changed. Vice-counties often differ widely from counties that bear the same name. In the past this has caused confusion, but should not do so in the future. We are fortunate now to have definitive modern accounts of the vice-counties, by Dandy (1969) for Great Britain and by Webb (1980) for Ireland. Both Dandy and Webb assert the principle that the vice-county boundaries were fixed for all time at the moment of creation.

Maps showing the general disposition of the vice-counties are given here, but they are not adequate to locate borderline cases. Where greater detail is needed for British records, bryologists should consult the authoritative booklet of descriptions of British vice-counties by Dandy (1969). Dandy's descriptions are accompanied by two maps at a scale of 1:625,000, the three items together being issued as boxed set. A copy of the set is available for consultation by B.B.S. members from the Society's Librarian. Other copies are widely available in botanical libraries in Britain, but bryologists working in Britain are strongly advised to obtain a copy of their own. It is still in print, and is very useful.

The boundaries of the Irish counties have changed less than those of the British ones, with the result that modern maps are still fairly useful for identifying the vice-county boundaries. The map published by Scannell & Synnott (1972) is also a useful guide, but bryologists working regularly or extensively in Ireland are strongly advised to consult Webb's (1980) authoritative account. A copy is available for consultation by B.B.S. members from the Society's Librarian.

Names of vice-counties

The names given here are the full, unabbreviated names of the vice-counties, though it should be understood that with Durham and most of the undivided Irish counties, the form County Durham, County Dublin, etc. is used, to avoid confusion with the town of the

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same name. For British (but not for Irish) counties, several of the names used here differ from those recommended by the Botanical Society of the British Isles (Halliday & Perring, 1976) and by Dandy (1969). These authorities were inconsistent with their use of the suffix -shire, and gave many names in abbreviated form. Dandy maintained that Watson's abbreviations *were* the names of the vice-counties, but we demur.

Alternative names, some of them still in common use, are indicated in brackets.

Great Britain

- | | |
|-----------------------------|---------------------------------|
| 1 West Cornwall with Scilly | 32 Northamptonshire |
| 2 East Cornwall | 33 East Gloucestershire |
| 3 South Devon | 34 West Gloucestershire |
| 4 North Devon | 35 Monmouthshire |
| 5 South Somerset | 36 Herefordshire |
| 6 North Somerset | 37 Worcestershire |
| 7 North Wiltshire | 38 Warwickshire |
| 8 South Wiltshire | 39 Staffordshire |
| 9 Dorset | 40 Shropshire (Salop) |
| 10 Isle of Wight | 41 Glamorgan |
| 11 South Hampshire | 42 Breconshire (Brecknockshire) |
| 12 North Hampshire | 43 Radnorshire |
| 13 West Sussex | 44 Carmarthenshire |
| 14 East Sussex | 45 Pembrokeshire |
| 15 East Kent | 46 Cardiganshire |
| 16 West Kent | 47 Montgomeryshire |
| 17 Surrey | 48 Merioneth |
| 18 South Essex | 49 Caernarvonshire |
| 19 North Essex | 50 Denbighshire |
| 20 Hertfordshire | 51 Flintshire |
| 21 Middlesex | 52 Anglesey |
| 22 Berkshire | 53 South Lincolnshire |
| 23 Oxfordshire | 54 North Lincolnshire |
| 24 Buckinghamshire | 55 Leicestershire with Rutland |
| 25 East Suffolk | 56 Nottinghamshire |
| 26 West Suffolk | 57 Derbyshire |
| 27 East Norfolk | 58 Cheshire |
| 28 West Norfolk | 59 South Lancashire |
| 29 Cambridgeshire | 60 West Lancashire |
| 30 Bedfordshire | 61 South-east Yorkshire |
| 31 Huntingdonshire | 62 North-east Yorkshire |

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63 South-west Yorkshire	88 Mid Perthshire
64 Mid-west Yorkshire	89 East Perthshire
65 North-west Yorkshire	90 Angus (Forfarshire)
66 Durham	91 Kincardineshire
67 South Northumberland	92 South Aberdeenshire
68 North Northumberland (Cheviot)	93 North Aberdeenshire
69 Westmorland with Furness	94 Banffshire
70 Cumberland	95 Moray (Elginshire)
71 Isle of Man	96 Easternness (including Nairnshire)
72 Dumfriesshire	97 Westernness
73 Kirkcudbrightshire	98 Main Argyll
74 Wigtownshire	99 Dunbartonshire
75 Ayrshire	100 Clyde Isles (Buteshire)
76 Renfrewshire	101 Kintyre (Cantyre)
77 Lanarkshire	102 South Ebudes
78 Peeblesshire	103 Mid Ebudes
79 Selkirkshire	104 North Ebudes
80 Roxburghshire	105 West Ross
81 Berwickshire	106 East Ross
82 East Lothian (Haddington)	107 East Sutherland
83 Midlothian (Edinburgh)	108 West Sutherland
84 West Lothian (Linlithgow)	109 Caithness
85 Fife (including Kinross-shire)	110 Outer Hebrides
86 Stirlingshire	111 Orkney
87 West Perthshire (including Clackmannanshire)	112 Shetland (Zetland)

Ireland

H1 South Kerry	14 Laois (Leix, Queen's County)
2 North Kerry	15 South-east Galway
3 West Cork	16 West Galway
4 Mid-Cork	17 North-east Galway
5 East Cork	18 Offaly (King's County)
6 Waterford	19 Kildare
7 South Tipperary	20 Wicklow
8 Limerick	21 Dublin
9 Clare (including Aran Islands)	22 Meath
10 North Tipperary	23 Westmeath
11 Kilkenny	24 Longford
12 Wexford	25 Roscommon
13 Carlow	26 East Mayo

VICE-COUNTIES OF GREAT BRITAIN AND IRELAND

27 West Mayo	34 East Donegal
28 Sligo	35 West Donegal
29 Leitrim	36 Tyrone
30 Cavan	37 Armagh
31 Louth	38 Down
32 Monaghan	39 Antrim
33 Fermanagh	40 Londonderry

C Channel Islands

Maps of vice-counties

The detailed maps are at a scale of approximately 1:3,700,000. The scale can be inferred from the grid squares, which are of side 100 km. Note that the Irish grid is that of the Ordnance Survey of Ireland, and not the extended British grid that has sometimes been used for botanical recording in Ireland.

VICE-COUNTIES OF GREAT BRITAIN AND IRELAND

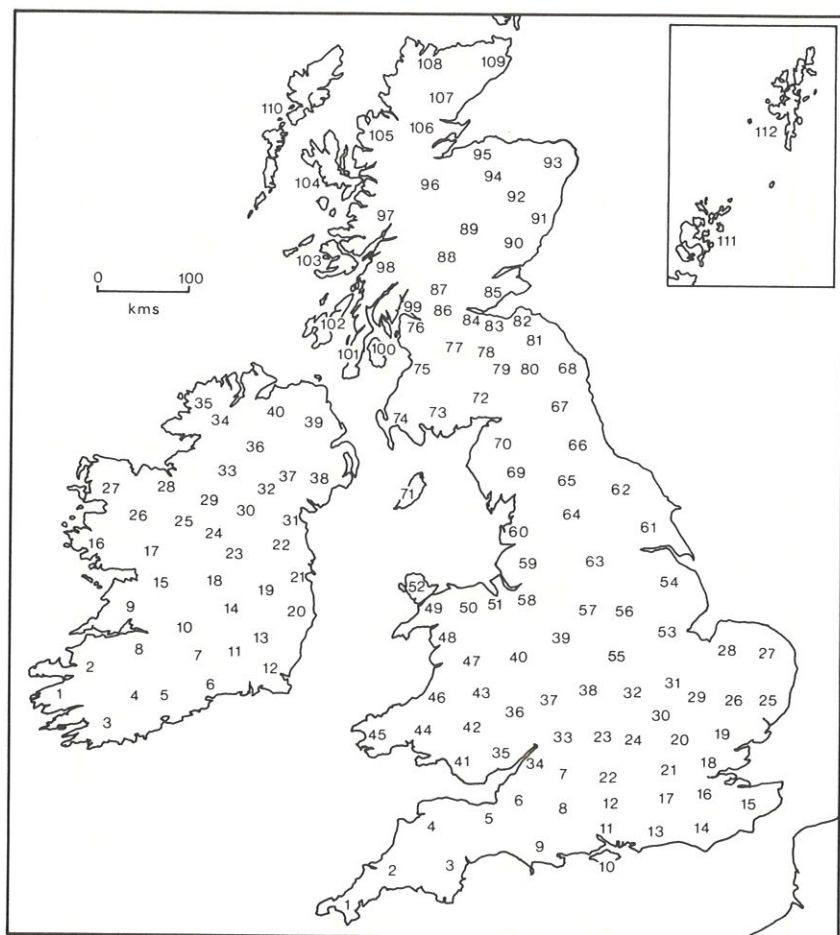


FIG. 1. General disposition of British and Irish vice-counties; vice-county boundaries have been omitted, but are indicated in the more detailed maps that follow.

VICE-COUNTIES OF GREAT BRITAIN AND IRELAND

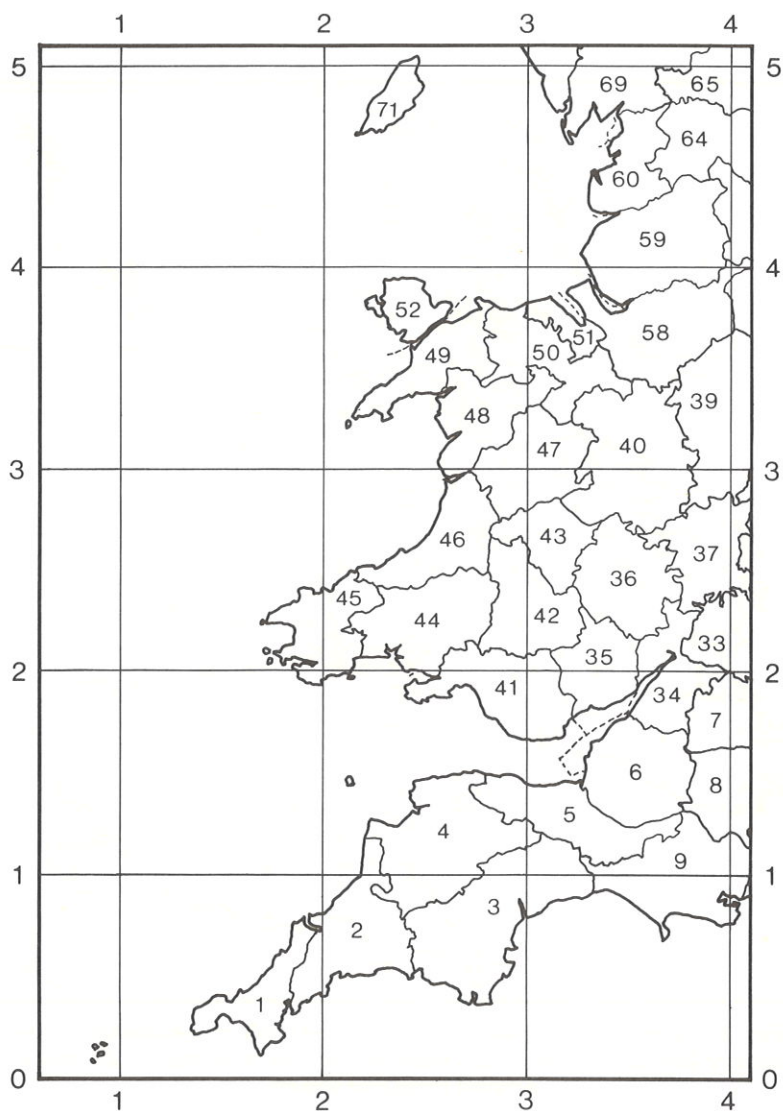


FIG. 2. Vice-counties of south-west Britain; the lines of the National Grid are spaced at intervals of 100 km.

VICE-COUNTIES OF GREAT BRITAIN AND IRELAND

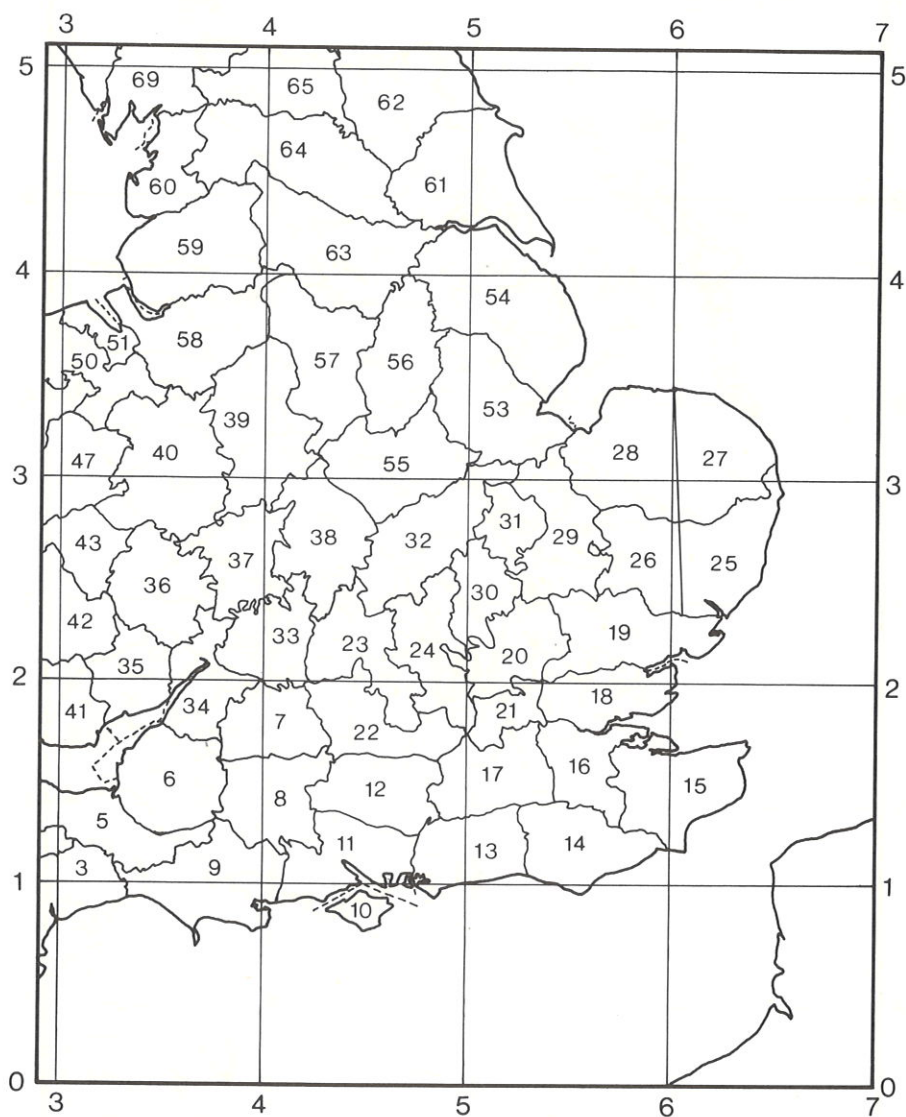


FIG. 3. Vice-counties of south-east Britain; the lines of the National Grid are spaced at intervals of 100 km.

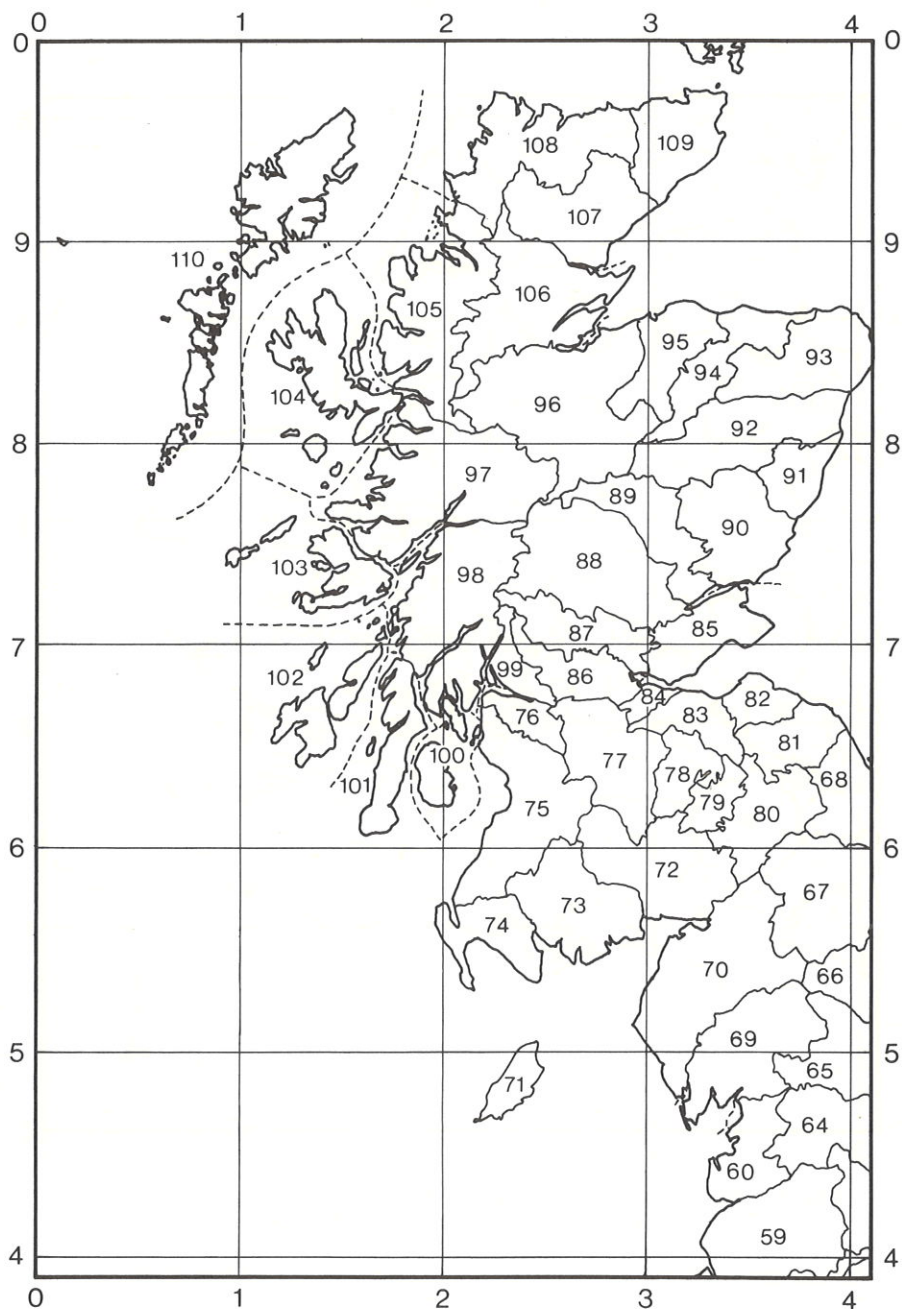


FIG. 4. Vice-counties of north-west Britain; the lines of the National Grid are spaced at intervals of 100 km.

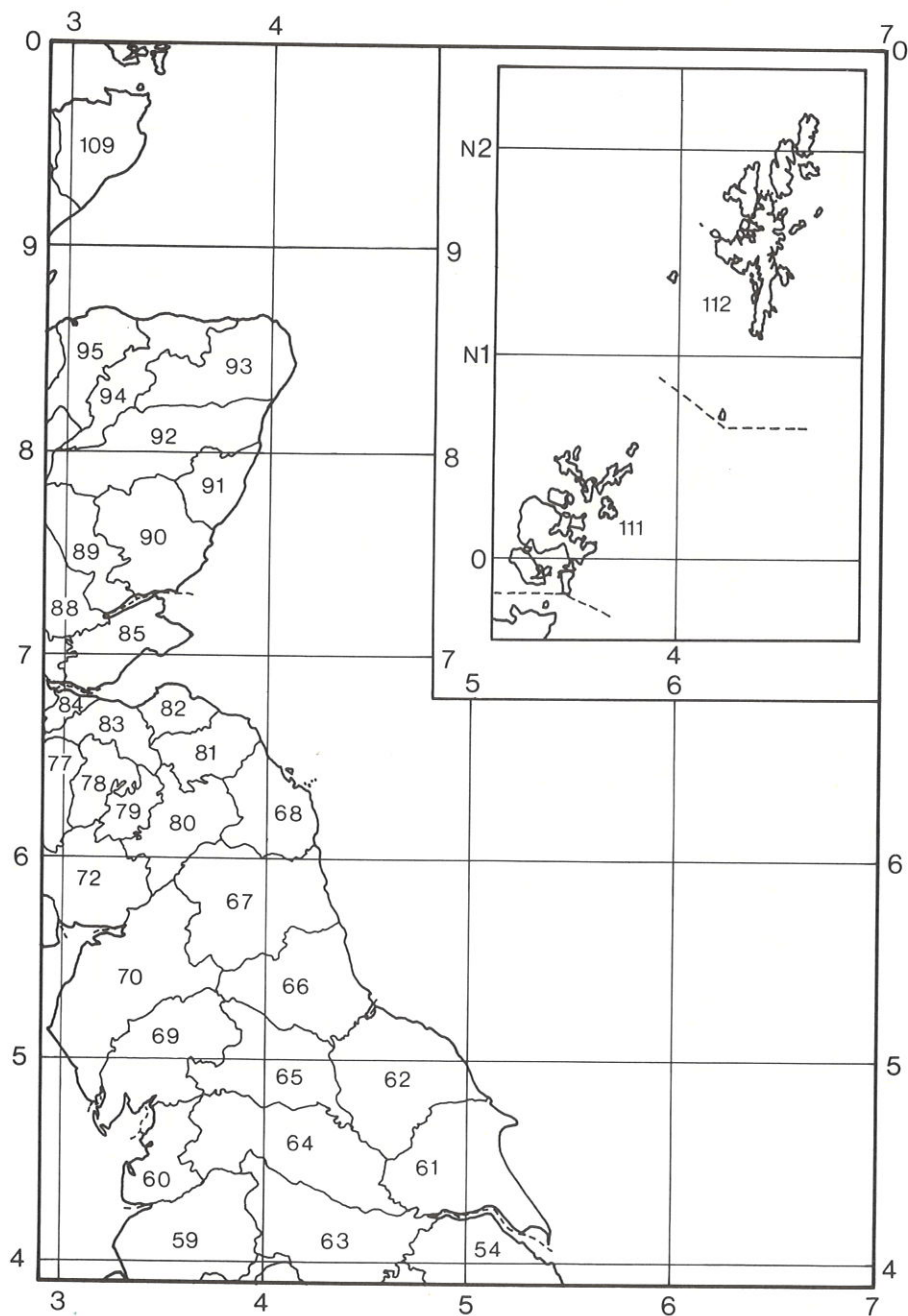


FIG. 5. Vice-counties of north-east Britain; the lines of the National Grid are spaced at intervals of 100 km.

VICE-COUNTIES OF GREAT BRITAIN AND IRELAND

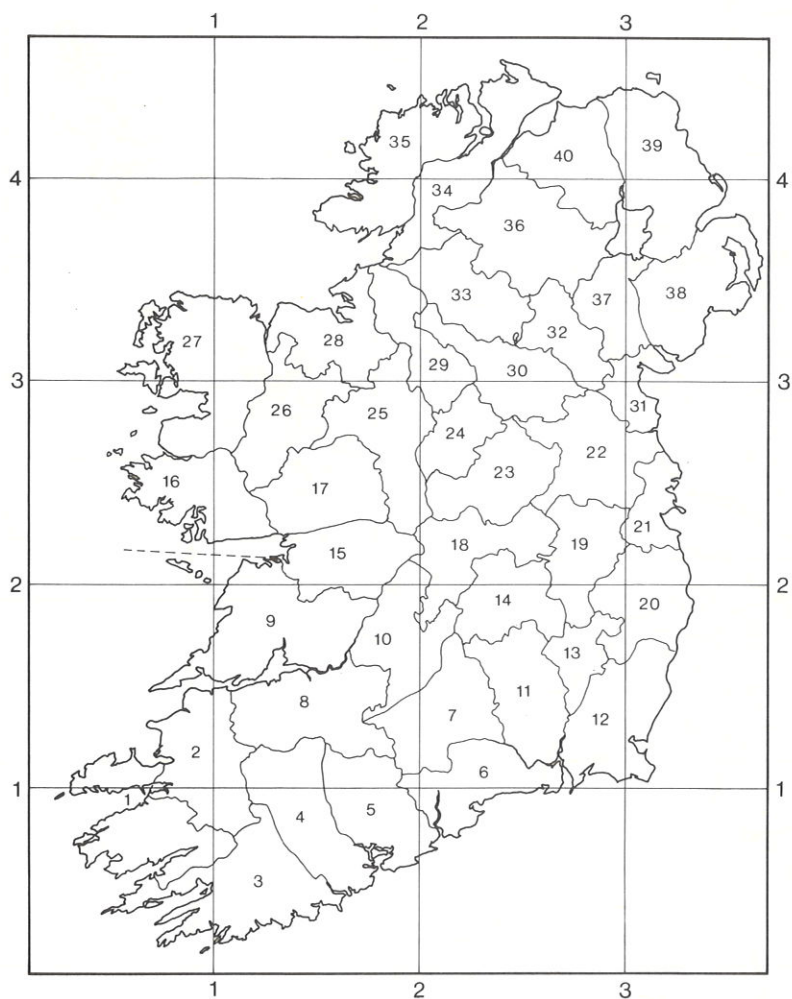


FIG. 6. Vice-counties of Ireland; the lines of the Irish National Grid are spaced at intervals of 100 km.

DISTRIBUTION OF BRYOPHYTES IN VICE-COUNTIES

THE TAXA WHOSE distributions are listed below are those whose occurrence in Britain or Ireland is well authenticated. The following mosses have been recorded from Britain, but according to Smith (1978a), the records are doubtful: *Andreaea blyttii* Br. Eur., *A. hartmanii* Thed., *Barbula asperifolia* Mitt., *Bryum purpurascens* (R. Br.) Br. Eur., *Cinclidotus riparius* (Web. & Mohr) Arnott, *Cynodontium gracilescens* (Web. & Mohr) Schimp., *Sphagnum subfulvum* Sjörs.

Arrangement and nomenclature

For Hepaticae and Anthocerotae the arrangement and nomenclature follow Grolle (1976), with minor amendments to bring his system into line with British taxonomic thinking. In accordance with long-standing tradition, the Hepaticae and Anthocerotae are numbered in one series, ignoring the fact that the Hepaticae are perhaps less closely related to the Anthocerotae than they are to the Musci.

The names and numbering of Musci follow Smith (1978a).

If the numbering of the present volume is to be used to cite a taxon, then it should be employed thus: 3/1, 14/5b, etc. But it is not our intention to provide a definitive numbering of British bryophytes; the same number can refer either to a moss or to a hepatic. Mosses added to the British list since publication of Smith's flora have been interpolated with numbers such as 18/2A. Upper case letters are used to distinguish interpolated species from varieties.

Symbols and conventions

Records in brackets signify vice-counties from which a species has not been seen for fifty years. For example, *Bryum mamillatum* has the distribution (28), 54, (59), indicating that there is a recent record for v.-c. 54 and old records for v.-c. 's 28 and 59.

Absence of brackets does not always indicate that there is a recent record. For example, *Pterigynandrum filiforme* has not been seen in Shetland (v.-c. 112) since 1878. The record is not placed in brackets because the locality has not been revisited, and there is no reason to suppose that *P. filiforme* has disappeared from it. With well worked counties such as Surrey (v.-c. 17), on the other hand, the fifty-year

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rule has been applied fairly firmly. There have been major changes in land use near London in recent years; apparent losses of species are all too likely to be real.

Irish vice-counties are signified by the prefix 'H', from *Hibernia*, the Latin name for Ireland. Thus the distribution of *Lejeunea hibernica* is H1-3, 16, indicating that it has been found only in Ireland, in vice-counties 1, 2, 3 and 16.

Doubtful records were listed in the *Census Catalogues* as well as old ones. A record was considered doubtful if the determination was in doubt, if the provenance was in doubt, or if it was not localized. Such records are of little value and have been omitted here.

Species for which there are no recent records are indicated by a dagger (†).

Numbers in brackets following the name of a species refer to the notes (p. 133).

1. **Anthoceros** L.

- 1 **agrestis** Paton (*A. punctatus* auct.) (5)
1, 2, 4, 5, 9–12, 14, 16–19, 22–24, 27,
(29), 30, 32–41, 46, (48), 50, 51, 54–56,
59, 63, 65, 68, 69, 72, 74, 75, 83, 86, 89,
90, 98. H35, 36.
- 2 **punctatus** L. (*A. husnotii* Steph.) (1, 5)
1–6, 8, 9, 11, 13, 14, 16, 17, 22, 23, 34,
38, 44, 47–49, 52, 58, 61, 67, 70–74,
85–87, 90, 95, 97–103, 105–107, 109.
H1–3, 5, 6, 8, 9, 12, 16, 27, 34, 35, 38.
C.

2. **Phaeoceros** Prosk.

- 1 **laevis** (L.) Prosk. (*Anthoceros laevis* L.) (1)
 - a ssp. **laevis**
1–6, 8–11, 13–15, (16), 17, 18, 22, 24,
33–36, (38), 40–49, 51, 52, 58–60, 62,
(63), 64, 69–76, 80, 81, 83, 84, 86–88,
90, 97–100, 102–104, 107, 109. H1, 3–9,
12, 14, 16, 20–22, 26, 27, 29, 31, 32,
34–40. C.
 - b ssp. **carolinianus** (Michx.) Prosk. (6)
2, 13, 17, (18), 35.

3. **Sphaerocarpos** Boehmer

- 1 **micheelii** Bellardi (1)
1, 5, 16, 19, (20), 22–28, (29), 32, 34, 36,
37, (55), 61, 62. C.
- 2 **texanus** Aust. (1)
1, 9, (16), 17, 24, 25, 27, 34, 36, 37. C.

4. **Targionia** L.

- 1 **hypophylla** L. (1)
2–6, 12, 13, 17, (26), 36, 37, 39, 40,
42–45, 47–49, 52, 57, 70, 80, 85, 87, 88,
(90), 98, 99, 101, (104). H1, 2, 4, 39. C.

5. **Reboulia** Raddi

- 1 **hemisphaerica** (L.) Raddi (1)
1–17, 20, 22, 26, 27, 30, 33–37, (38),
39–52, 55, 57–60, (61), 62, 64–69,
72–77, 80–90, 96–106, 108–110. H1, 2,
4, 5, 7–9, 11, 16, 17, 21, 23, 25, 27–29,
33, 35, 38–40. C.

6. **Conocephalum** Wiggers
 - 1 **conicum** (L.) Lindb.
1-112. H1-40. C.
7. **Lunularia** Adans.
 - 1 **cruciata** (L.) Dum. ex Lindb. (1)
1-112. H1-14, 16-22, 24-40. C.
8. **Preissia** Corda
 - 1 **quadrata** (Scop.) Nees
3, 4, 6, 11, 22, 26-28, 32, 35, 36, 39,
41-50, 52, 54, 55, 57-62, 64-80,
82-112. H1-3, 6, 8, 9, 14-19, 21-23,
25-29, 31, 33-36, 38-40.
9. **Marchantia** L.
 - 1 **polymorpha** L.
1-70, 72-101, 103, 104, 106-112. H1, 3,
5-11, 13, 16-25, 27-31, 33-40. (C).
 - 2 **alpestris** (Nees) Burgeff (*M. polymorpha*
var. *alpestris* Nees)
1, 2, 20, 37, 42, 52, 64, 65, 68-70, 77,
78, 80-83, 88-90, 92, 94-98, 105, 106,
108, 112.
10. **Dumortiera** Nees
 - 1 **hirsuta** (Sw.) Nees (1)
1-4, 14, 71, 98, 102. H1-4, 6-11, 20, 29,
39.
11. **Ricciocarpos** Corda
 - 1 **natans** (L.) Corda (1)
6, 12-16, 18, 20-22, 24, 26-29, 31, 32,
35, 36, 38, 40, 50, 53-56, 58, 61-66. H8,
9, 15, 19, 21-23, 25, 31.
12. **Riccia** L.
 - 1 **cavernosa** Hoffm. (7)
1, 4-6, 8, 9, 11, 14, 17, 20, 22-24, 26,
28-30, 32, 33, 36, (38), 41, 44, 48, 49,
52, 53, 55, 56, 58, 59, 61, 64, 67, 83, 85,
93, 95, 101, 110. H1, 15, 25, 38.

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- 2 **crystallina** L. (7)
1, 76.
- 3 **huebenerana** Lindenb. (7)
2, 9, 13, 14, 17, 42, 44, 52, 58, 64, 67,
100. H20.
- 4 **fluitans** L. (1, 8, 9)
3-7, 9, 11-31, 33-38, 40, 41, 44, 47, 50,
53-64, 69. H8, 13, 19-21, 23, 29, 32,
36-39.
- 5 **rhenana** Lorbeer (9)
7, 17, 20, 24, 28, 29.
- 6 **canaliculata** Hoffm. (1, 8)
13, 40, (48), 52, 58, 83, 86-88.
- 7 **glauc**a L. (1)
1-20, 22-24, 26-39, 41-43, 45, 46,
48-65, 67, 69, 71, 73, 75, 82-88, 90,
97-101, 106. H1-7, 9-11, 14-16, 20, 25,
28, 33, 34, 37-40. C.
- 8 **warnstorffii** Limpr.
1, 2, 4-8, 10, 11, 13, 14, 17, 24, 28, 29,
34-37, 40, 42, 43, 45-47, 49, 52, 56, 63,
64, 72, 74, 97-103, 106. H1-6, 9, 16, 28,
33, 35-40. C.
- 9 **crozalsii** Lev. (10)
1-3, 42, (48), 49, 52. C.
- 10 **bifurca** Hoffm. (10)
1.
- 11 **beyrichiana** Hampe ex Lehm.
1, 2, 26, 41-43, 45, 46, 48, 49, 52, 59,
60, 64, 65, 69, 73-76, 82-86, 88, 90,
98-104, 110. H1, 3, 9, 16, 20, 23, 26, 35,
37, 39. C.
- 12 **sorocarpa** Bisch. (1)
1-20, 22-52, 54-92, 94-107. H1-6,
8-10, 12, 13, 15, 16, 20-22, 25-28, 31,
33-40. C.
- 13 **nigrella** DC. (1)
1, 37, 43, 48. C.

13. **Metzgeria** Raddi

- 1 **fruticulosa** (Dicks.) Evans (11)
1-9, 11, 13-16, 20, 22-25, 27-29,
32-34, 36, 40-42, 44, 45, 47-49, 52, 60,
61, 65-68, 70, 71, 73-75, 77-91, 93-99,
101-104, 106-109, 111. H1-6, 8-11, 13,
15-19, 23-26, 28-33, 35-40. C.
- 2 **temperata** Kuwah. (11)
1-14, 16, 17, 22, 23, 32-37, 41, 42,
44-50, 52, 60, 64, 65, 69-74, 83, 86, 88,
98-101. H3-7, 9, 12, 15, 16, 22, 24, 25,
31, 33, 36. C.
- 3 **furcata** (L.) Dum.
1-112. H1-40. C.
- 4 **conjugata** Lindb.
1-6, 13, 14, 33-37, 39-50, 52, 57, 60,
62-65, 67-83, 85-92, 95-106, 108-111.
H1-3, 6-13, 16-18, 20-22, 27-30,
33-40.
- 5 **leptoneura** Spruce (*M. hamata* Lindb.) (1)
46, 48, 49, (64), 69, 70, 72, 73, 75, 76,
86-88, 97-106, 108, 110, 111. H1-3, 7,
16, 27-29, 35, 39.

14. **Apometzgeria** Kuwah.

- 1 **pubescens** (Schränk) Kuwah. (*Metzgeria pubescens* (Schränk) Raddi) (1)
34-36, 39, 40, 48, 50, 51, (56), 57, 60,
62-70, 72, 73, 78-83, 85-99, 104-106,
108, 109. H39.

15. **Aneura** Dum. (12)

- 1 **pinguis** (L.) Dum. (*Riccardia pinguis* (L.) S. Gray)
1-52, 54-112. H1-40. C.

16. **Cryptothallus** Malmb. (1, 13)

- 1 **mirabilis** Malmb.
2, 3, 6, 9, 12-17, 22, 24, 28, 30, 40, 43,
47-49, 69, 75, 86, 89, 92, 94-101, 105,
106. H2, 16, 20.

17. **Riccardia** S. Gray (12)

- 1 **multifida** (L.) S. Gray
1-6, 8-18, (19), 20, (21), 22-29, 34-52,
54-83, 85-112. H1-13, 16-21, 23-40.
C.
- 2 **chamedryfolia** (With.) Grolle (*R. sinuata*
(Hook.) Trev.)
1-74, 76-86, 88-101, 103-112. H1-16,
19-30, 33-40. C.
- 3 **incurvata** Lindb.
1, 2, 11, 13, (14), 17, 44, 48, 49, 52,
58-60, 63, 65, 66, 69-71, 73-75, 78-80,
(81), 82-84, 88-90, 95-98, 101, 102,
104, 106-108, 112. H9, 16, 20, 27, 35.
- 4 **palmata** (Hedw.) Carruth.
3, 9, 11, 17, 24, 42, 44, 45, 48-51, 58,
62, (63), 67-70, (72), 73, 75, 77-80,
83-92, 94-112. H1-3, 7, 9, 11, 15, 16,
18, 20, 23, 25-30, 33-36, 39, 40.
- 5 **latifrons** (Lindb.) Lindb. (1)
1-6, 8-11, 17, 22, 26-28, 35, 40, 42-52,
67, 70, 73, 74, 77-81, 83, 88, 90-92,
94-98, 101-106, 108-110, 112. H1-3,
6-16, 18-25, 27-29, 33-37, 39, 40. C.

18. **Pellia** Raddi

- 1 **epiphylla** (L.) Corda (*P. borealis* Lorbeer)
(14)
1-30, 32-112. H1-40. C.
- 2 **neesiana** (Gott.) Limpr.
1-7, 9, 11, 12, 14, 17, 22, 33, 34, 36-38,
41-53, 57-60, 62-75, 77-83, 88-92,
94-99, 101, 104-110, 112. H1-3, 6-10,
12, 13, 16, 20, 21, 23-25, 27-30, 33-39.
C.
- 3 **endiviifolia** (Dicks.) Dum.
1-24, 26-112. H1-23, 25-40. C.

19. **Pallavicinia** S. Gray

- 1 **lyellii** (Hook.) Carruth.
6, 10, 11, (13), 14, 17, (18), 22, 25, 46,
48, (59, 62), 64, (65, 69). H1, 2, (3), 8,
11, 19-21, 27.

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20. **Moerckia** Gott.

- 1 **hibernica** (Hook.) Gott. (*M. flotoviana* (Nees) Schiffn.) (15)
(1), 4, 17, 26–28, 41, 44, 46, 48, 49, (50),
52, 57–59, (62), 63–70, 80, (82), 85,
88–92, 94, 95, 97, 105, 106, 108, 110,
112. H9, 14, 16–18, 20, 21, 23, 27,
33–35, 38–40.
- 2 **blyttii** (Moerch) Brockm. (1)
88–90, 92, 94, 96–98, 105–108.

21. **Blasia** L.

- 1 **pusilla** L.
1–10, 12–15, (16), 17–20, (21), 22, 25,
27, 28, 32–52, (54), 55–60, (61), 62,
(63), 64, 65, 67–112. H1–3, 5–7, 12, 16,
18–22, 26–40.

22. **Fossombronia** Raddi

- 1 **foveolata** Lindb. (1)
1–3, 9, 11–14, 17, 22, 27, 48, 54, 58, 59,
(61), 62, 69, 70, 74, 86–88, 95–99, 101,
103–106, 108–110, 112. H1–3, 9, 16, 20,
27, 35, 37, 39.
- 2 **angulosa** (Dicks.) Raddi (1)
1, 2, 45, 48, 49, 110. H1, 3, 16, 27, 34,
35. C.
- 3 **caespitiformis** De Not. ex Rabenh. (4)
1, 2, 4, 6–8, 13, 14, (16), 17, 23, 34, 37,
39, 40, 58–60, 69.
- 4 **husnotii** Corb.
1–3, 41, 44, 45. H1, 3, 9, 16, 27. C.
- 5 **pusilla** (L.) Nees (1)
 - a var. **pusilla**
1–25, 27–77, 80–84, 88–91, 93, 94,
97–104, 106, 109. H1–6, 8, 10–12, 16,
19–21, 23, 25, 27–29, 31, 33–40. C.
 - b var. **maritima** Paton (16)
1, 11. H3. C.

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- 6 **wondraczekii** (Corda) Dum. ex Lindb.
(1)
1–20, 22–24, 28, 30, 32–52, 55–57, 59,
61–65, 67–74, 78–90, 92, 96–99,
101–107, 109, 112. H1, 3–6, 9, 10, 12,
13, 15, 16, 20, 21, 24, 25, 27, 29, 31,
33–35, 37, 38. C.
 - 7 **crozalsii** Corb.
7, 22.
 - 8 **incurva** Lindb. (17)
1, 2, 14, 44, 49, 62, 74, 77, 78, 80, 83,
88–90, 94–98, 101, 104–107, 112. H3, 6,
16, 27, 28, 30. C.
 - 9 **fimbriata** Paton (18)
78, 79, 88, 97, 98, 101. H28.
23. **Petalophyllum** Nees & Gott. ex Lehm.
- 1 **ralfsii** (Wils.) Nees & Gott. (1)
1, 4, (6), 28, 41, 44–46, 48, 51, 52, 59,
(62), 68, 105. H1, 2, 21, 27, 28, 35, 39,
40.
24. **Haplomitrium** Nees
- 1 **hookeri** (Sm.) Nees (1)
1, (3, 11, 13), 42, 49, 59, (61), 66, 70, 71,
74, 77–79, 83, 87–90, 92, 93, 95–98,
101, 104–110, 112. H(1), 3, 16, 20, 21,
27, 28, 30, 34, 35.
25. **Chandonanthus** Mitt.
- 1 **setiformis** (Ehrh.) Lindb. (1)
68, 88–97, 105, 106, 108, 109.
26. **Barbilophozia** Loeske
- 1 **quadriloba** (Lindb.) Loeske (1)
88, 89, 92, 98.
 - 2 **kunzeana** (Hueb.) Gams
64, 67, 68, 71, 88, 90, 92, 95–97, 108,
110. H28.
 - 3 **floerkei** (Web. & Mohr) Loeske
2–6, 14, 35–37, 39–52, 55, 57–60,
62–112. H1–3, 6, 8, 13, 16, 20, 21, 27,
28, 30, 33–36, 38–40.

DISTRIBUTION OF HEPATICAE

- 4 **atlantica** (Kaal.) Loeske (19)
47-49, 52, 59, 60, 63-73, 80, 90-92, 96,
98, 100, 101, 105, 108, 109, 111. H34.
 - 5 **attenuata** (Mart.) Loeske
1-6, 9, 11, 13, 14, 16-18, (20), 22, (23),
24, 27, 28, 34-37, 39-52, 54, 55, 57-76,
78-92, 94-106, 108, 109. H1, 3, 6, 7, 12,
13, 16, 20, 21, 25, 27-29, 31, 33-40. C.
 - 6 **hatcheri** (Evans) Loeske
26, 28, 40, (48, 49), 50, 59, 60, 65-70,
72, 77-98, 105-109.
 - 7 **lycopodioides** (Wallr.) Loeske
64, 65, 68-70, 88-90, 92, 94, 96-98,
104-108.
 - 8 **barbata** (Schmid. ex Schreb.) Loeske
2, (14), 26, 28, 36, 37, 40-44, 46-50,
(54), 55, 57, 59, 60, 62, (63), 64-70,
72-74, 76-99, 101, 103-109, 112. H1, 6,
12, 20, 21, 27, 30, 35, 37, 40.
27. **Anastrepta** (Lindb.) Schiffn.
- 1 **orcadensis** (Hook.) Schiffn. (1)
4, 47-50, 60, 64, 65, 68-70, 72, 73, 75,
77, 78, 83, 85-90, 92, 94, 96-112. H1-3,
6, 16, 20, 27, 29, 33, 35.
28. **Lophozia** (Dum.) Dum.
- 1 **ventricosa** (Dicks.) Dum. (20)
 - a var. **ventricosa**
1, 2, 4-9, 11, 13-18, 20-22, 26, 30, 32,
37, 39, 42, 45, 49, 55-57, 64, 66, 70, 72,
76, 80, 88, 97-99, 104. H10, 13, 29.
 - b var. **silvicola** (Buch) E. W. Jones ex
Schust.
1-5, 11, 16, 17, 22, 35, 41, 42, 45,
47-49, 55, 56, 63-67, 69, 70, 72, 73, 80,
88, 95, 97, 99, 104. H1, 13, 33, 36.
 - c var. **longiflora** (Nees) Macoun
39, 88, 90.
 - d var. **confertifolia** (Schiffn.) Husn.
14, 16, 20, 25, 40, 70. H35.

DISTRIBUTION OF HEPATICAE

- 2 **guttulata** (Lindb.) Evans (*L. porphyroleuca* (Nees) Schiffn.) (20)
1, 2, 16, 27, 35, 36, 38, 39, 57, 58,
60-62, 64, 66, 69, 70, 72-78, 85-92,
96-98, 100-102, 105, 107-112. H12, 20,
27, 31-33, 35-39.
- 3 **wenzelii** (Nees) Steph.
88-90, 92, 94, 96, 97, 108.
- 4 **sudetica** (Nees ex Hueb.) Grolle (*L. alpestris* auct.)
2, 35, 40, 42-44, 46-50, 57, 60, 63-66,
68-73, 75, 77-83, 86-92, 94-98, 101,
103-110, 112. H1-3, 9, 12, 13, 16, 20,
21, 27, 28, 30, 36-40,
- 5 **perssonii** Buch & S. Arn. (21)
18, 29, 63, 64.
- 6 **excisa** (Dicks.) Dum.
 - a var. **excisa**
1-8, 10, 11, 13-20, 22, 23, 25-30,
32-50, 52, 54-62, (63), 64-74, 76-85,
87-92, 94-98, 100-103, 105-107, 109,
110. H1-4, 6, 7, 16, 20, 22, 27-29, 33,
35-40. C.
 - b var. **cylindracea** (Dum.) K. Muell.
5, 48, 89, 92, 96, 108.
- 7 **capitata** (Hook.) Macoun (22)
(11), 12, 14, 17, 19, 22, 58.
- 8 **incisa** (Schrud.) Dum. (1)
1-6, 9, 11, 13-17, 25-28, 35-37, 39,
41-50, 55, 57-83, 85-112. H1-3, 6-11,
13, 14, 16-30, 32-40.
- 9 **opacifolia** Culm. ex Meyl. (23)
69, 88-90, 92, 96-98, 105, 106, 108.
H35.
- 10 **bicrenata** (Schmid. ex Hoffm.) Dum.
1-25, 27, 28, 30, 32-45, 47-75, 77-86,
88-92, 95-99, 101, 105, 106, 108, 109,
112. H1, 2, 4, 6-8, 10, 12, 13, 16, 20-22,
28, 35-39. C.
- 11 **longidens** (Lindb.) Macoun
48, 65, 66, 70, 88, 90-92, 94-99, 105,
106, 108.

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- 12 **obtusa** (Lindb.) Evans (1)
(48), 49, 65, 67, 71, 88, 95–99, 104–106,
108.
29. **Leiocolea** (K. Muell.) Buch
 - 1 **turbinata** (Raddi) Buch
1–25, 27, 29, 30, 32–42, 44, 45, 47–52,
54, 56–78, 80–85, 87, 89–91, 93–104,
106–109, 111. H1, 2, 4–15, 17–22, 25,
26, 28, 29, 31–40.
 - 2 **badensis** (Gott.) Jørg.
1, 2, 4–6, 9, 12–14, 16–18, 20, 23–25,
29, 33–36, 39, 41, 42, 44, 48–52, 57–60,
62–70, 72, 75–92, 94, 97, 98, 101,
104–106, 108–111. H9, 16–18, 20, 22,
23, 25, 27, 28, 33–36, 39, 40.
 - 3 **heterocolpos** (Thed. ex Hartm.) Buch (1)
42, 44, 46, 48, 49, 65, 66, 69, 72, 83,
86–89, 92, 94–96, 98, 101, 103–106.
H39.
 - 4 **alpestris** (Schleich. ex Web.) Isov. (*L.*
muelleri (Nees) Jørg.)
34–36, 39–42, 44, 47–50, 57, 60, 62–67,
69–73, 75, 76, 78–80, 82, 83, 85–92,
94–109, 111, 112. H1, 2, 16, 27–29, 33,
35, 36, 39.
 - 5 **bantriensis** (Hook.) Jørg.
35, 36, 38, 40–42, 44, 47–50, 57, 59, 60,
62, 64–70, 72, 73, 75, 78–83, 85–92,
94–102, 104–111. H1–3, 7, 14, 16, 20,
27–29, 31, 33, 35, 36, 38–40.
 - 6 **gillmanii** (Aust.) Evans (1)
64, 88, 89, 92, 97, 98, 105, 109, 112.
 - 7 **rutheana** (Limpr.) K. Muell.
27, 28.
30. **Gymnocolea** (Dum.) Dum.
 - 1 **inflata** (Huds.) Dum.
 - a var. **inflata**
1–22, 24–28, 30, 32–112. H1–3, 5–7, 9,
10, 12–16, 18, 20, 21, 24–30, 33–40. C.
 - b var. **heterostipa** (Carringt. & Spruce)
K. Muell.
49, 57, 60, 73, 88–90, 92, 97–99. H35.

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- 2 **acutiloba** (Schiffn.) K. Muell.
48.
31. **Sphenolobopsis** Schust. & Kitag.
 - 1 **pearsonii** (Spruce) Schust. (*Cephaloziella pearsonii* (Spruce) Douin) (1)
46–49, 64, 69, 70, 73, 75, 87, 97, 98,
101–104, 108, 110. H1–3, 6, 7, 16, 27,
31, 35, 40.
32. **Sphenolobus** (Lindb.) Berggr.
 - 1 **minutus** (Schreb.) Berggr.
4, 11, (14), 36, 44, 46, 48, 49, 52, 57, 58,
60, (62, 63), 64–70, 72–75, 77, 78, 80,
81, 83, 85–92, 94–112. H1–3, 6, 7, 13,
16, 20, 21, 25, 27–29, 33–36, 38.
 - 2 **helleranus** (Nees ex Lindenb.) Steph. (1)
44, 47, 48, 69, 70, 88, 92, 96–98, 105.
H33, 40.
33. **Eremonotus** Lindb. & Kaal. ex Pears.
 - 1 **myriocarpus** (Carringt.) Lindb. & Kaal.
ex Pears. (1)
42, 48, 49, 69, 70, 87–91, 96–98, 101,
103–106, 108, 111. H1, 2, 16, 27, 34.
34. **Anastrophyllum** (Spruce) Steph.
 - 1 **saxicola** (Schrad.) Schust. (*Sphenolobus saxicola* (Schrad.) Steph.)
88, 92, 96, 108.
 - 2 **donianum** (Hook.) Steph. (1)
88, 92, 94, 96–98, 105–108.
 - 3 **joergensenii** Schiffn. (1)
96, 105–108.
35. **Tritomaria** Schiffn. ex Loeske
 - 1 **exsectiformis** (Breidl.) Loeske
1–5, 7, 9–17, 22–27, 30, 34, 36, 37, 39,
40, 42, 44–46, 48–52, 54, 57, 58, (59),
60, (61), 62–70, 72–74, 76–78, 80, 81,
85–101, 103–110, 112. H1–4, 6–10, 13,
17, 20, 22–30, 33–40.

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- 2 **exsecta** (Schrad.) Loeske (1)
35, 40, 48, (49), 70, 72, 80, 86–88,
97–101, 103–105, 108. H1–3, 16, 27, 35.
 - 3 **quinquedentata** (Huds.) Buch
4–6, 35–37, 40, 42–50, (51), 52, 57, 59,
60, 62, (63), 64–70, 72–92, 94–112.
H1–3, 6–9, 16, 20, 27–31, 33–40.
 - 4 **polita** (Nees) Jørg. (1)
88–90, 92, 97–99, 104, 105.
36. **Jamesoniella** (Spruce) Carringt.
- 1 **autumnalis** (DC.) Steph. (1)
2, 3, (14, 34, 37), 40, 42, 46, 48, 49, 60,
64, 69, 70, 73, 86–88, (90, 91), 96–99,
101, 105.
 - 2 **undulifolia** (Nees) K. Muell.
(1), 2, (34), 69, 98.
37. **Mylia** S. Gray
- 1 **taylorii** (Hook.) S. Gray
2, 36, 39, 40, 42–44, 46–50, 57–74,
76–80, 82, 83, (84), 85–112. H1–4,
6–10, 14, 16–21, 25–31, 33–40.
 - 2 **anomala** (Hook.) S. Gray
1–6, 8–17, 22, 24–28, 35, 39, 40, 42–51,
(55), 57–112. H1–3, 7–11, 13, 14,
17–20, 22–25, 27–40.
38. **Jungermannia** L.
- 1 **leiantha** Grolle (*J. lanceolata* auct.)
(14, 62), 64, (69), 105.
 - 2 **atrovirens** Dum. (*Solenostoma triste* (Nees)
K. Muell., *S. sphaerocarpoideum* (De Not.)
Paton & Warb.) (24)
(1), 2–9, 12–14, 23, 32–37, 39–52, 55,
(56), 57–92, 94–112. H1–10, 16, 20, 22,
23, 25, 27–31, 33–40.
 - 3 **pumila** With. (*S. pumilum* (With.)
K. Muell.)
1–6, 13–16, 34–37, 39–52, 57–60,
62–92, 94–106, 108–112. H1–8, 10, 11,
13, 16, 20, 21, 27–31, 33–40.

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- 4 **polaris** Lindb. (*S. schiffneri* (Loitl.) K. Muell.)
88, 89, 92.
- 5 **borealis** Damsholt & Váňa (*S. oblongifolium* (K. Muell.) K. Muell.) (1, 25)
49, 88–90, 96–98, 104–106.
- 6 **exsertifolia** Steph. ssp. **cordifolia** (Dum.) Váňa (*S. cordifolium* (Hook.) Steph.)
42, 44, 45, 47–51, 57, 59, 60, 62–73, 76–80, 82, 83, 85–92, 94–99, 101, 102, 104–106, 108–110, 112. H1–3, 6, 16, 35, 38–40.
- 7 **confertissima** Nees (*S. levieri* (Steph.) Steph.) (26)
44, 65, 66, 79, 88, 89, 92, 96–98, 105.
- 8 **sphaerocarpa** Hook. (*S. sphaerocarpum* (Hook.) Steph.)
3, 4, 36, 39, 42, 46–50, 55, 57–60, 62–73, 75, 80, 83, 86, 88–92, 96–99, 101, 104, 107–110, 112. H1–3, 6, 16, 20, 21, 27, 29, 31, 33, 36–40. C.
- 9 **gracillima** Sm. (*S. crenulatum* (Sm.) Mitt.)
1–27, (28), 32–52, 54, 55, 57–112. H1–3, 5–10, 12–16, 20, 21, 25, 27–40. C.
- 10 **caespiticia** Lindenb. (*S. caespiticium* (Lindenb.) Steph.) (1)
2, (10, 17, 33), 43, 63.
- 11 **hyalina** Lyell (*Plectocolea hyalina* (Lyell) Mitt.)
1–17, 20–23, 27, 33, 34, 36–38, 40, 42–44, 46–51, 55, 57, 59, 60, 62–69, 71–73, 75, 76, 80, 83, 85, 86, 88–92, 96–101, 103, 104, 107, 108. H1, 3, 5, 8–10, 16, 20, 27, 28, 30, 31, 33–37, 39, 40.
- 12 **paroica** (Schiffn.) Grolle (*P. paroica* (Schiffn.) Evans)
5, 35, 39, 41–44, 46–50, 60, 62–65, 67–73, 75, 78–83, 86–91, 95–102, 104–109, 112. H1, 6, 8, 16, 35, 36, 38–40.

DISTRIBUTION OF HEPATICAE

- 13 **obovata** Nees (*P. obovata* (Nees) Mitt.)
42-50, 57-60, 62-80, 82, 83, 86-92,
94-110, 112. H1-4, 6, 7, 9, 20, 21, 27,
29, 30, 34-36, 38-40.
 - 14 **subelliptica** (Lindb. ex Kaal.) Lev. (*P. sub-
elliptica* (Lindb. ex Kaal.) Evans)
2, 5, 42, 48, 49, 67, 71, 72, 78-80, 82,
83, 87-92, 95-98, 102-106, 108, 111,
112. H16, 27, 28, 34, 35, 39.
39. **Nardia** S. Gray
- 1 **compressa** (Hook.) S. Gray (1)
2-4, 14, 41-44, 46-50, 57-60, 62-67,
69-71, 73, 75, 83, 86-92, 94, 96-105,
108, 110-112. H1-3, 6-8, 10, 12, 13, 16,
20, 21, 26-30, 33-36, 38, 39.
 - 2 **scalaris** S. Gray
1-18, 20-25, 27, 28, 30, 32-52, (53, 54),
55-112. H1-10, 12-14, 16-22, 25-31,
33-40. C.
 - 3 **geoscyphus** (De Not.) Lindb. (1)
3-5, 11-14, 16-18, 22, 28, 34, 35, 38,
40, 41, 48, 49, 57-60, (61), 62-67, 69,
72, 77, 79, 87-90, 92, 93, 95-98,
104-109, 112. H13, 16, 27, 34, 35.
 - 4 **breidlerii** (Limpr.) Lindb.
88-90, 92, 94, 96-98, 106.
40. **Marsupella** Dum.
- 1 **emarginata** (Ehrh.) Dum.
 - a var. **emarginata**
1-6, 13-16, 34-37, 39-50, 52, (55),
57-60, (61), 62-112. H1-3, 5-10,
12-14, 16, 18, 20-22, 26-31, 33-40. C.
 - b var. **aquatica** (Lindenb.) Dum. (*M.
aquatica* (Lindenb.) Schiffn.)
3, 36, 41-45, 48, 49, 59, 60, 62, 65, 66,
68-71, 73, 74, 76, 78, 80, 83, 86-92, 94,
96-112. H1-4, 6, 13, 16, 20, 21, 26-28,
30, 34-36, 38, 39.
 - c var. **pearsonii** (Schiffn.) Corley (*M.
aquatica* var. *pearsonii* (Schiffn.) E. W.
Jones)
3, 42, 47-49, 65, 68-70, 73, 88, 90, 92,
96-99, 103, 108, 110, 112. H1, 2, 16, 20,
27, 31, 38, 39.

DISTRIBUTION OF HEPATICAE

- 2 **sphacelata** (Gieseke ex Lindenb.) Dum.
42, 49, 62, 65, 70, 73, 86, 88–90, 92, 94,
96–98, 101, 104–106, 108, 110, 112. H6,
10, 20, 27, 33, 35.
- 3 **funcckii** (Web. & Mohr) Dum. (1)
1–3, (7), 9, 14, 37, 40, 42–44, 46–49, 58,
65, 68–70, 72, 73, 75, 79, 83, 86–92,
96–105, 108. H2, 3, 7, 12, 16, 20, 27, 31,
35, 37–39. C.
- 4 **sprucei** (Limpr.) H. Bern. (*M. ustulata*
(Hueb.) Spruce) (27)
1–3, 13, 42, 44, 48, 49, (62), 65–70, 72,
73, 76, 78, 79, 87–90, 92, 94, 96–99,
103–106, 108. H1, 2, 16, 20, 36, 39, 40.
- 5 **sparsifolia** (Lindb.) Dum.
92.
- 6 **boeckii** (Aust.) Lindb. ex Kaal.
97, 98.
- 7 **stableri** Spruce (1, 28)
48, 49, 69, 70, 88, 90, 92, 94, 96–98,
104–106.
- 8 **condensata** (Ångstr. ex Hartm. f.) Lindb.
ex Kaal.
88, 92, 94, 96, 97.
- 9 **adusta** (Nees) Spruce
48, 49, 69, 70, 72, 77, 88–90, 92, 94,
96–99, 104–106, 108, 110. H1.
- 10 **brevissima** (Dum.) Grolle (*M. varians*
(Lindb.) K. Muell.) (1)
88–90, 92, 94, 96–98, 105–107.
- 11 **alpina** (Mass. & Carest.) H. Bern. (1)
48, 49, 69, 70, 73, 88–92, 94, 96–98,
103–106, 108.
41. **Gymnomitrium** Corda
 - 1 **concinatum** (Lightf.) Corda
2, 47–49, (64, 65), 68–70, 72, 73, 75, 77,
78, 86–101, 103–110, 112. H16, 34, 35,
39.
 - 2 **obtusum** (Lindb.) Pears.
2, 4, 47–50, 65–70, 72, 73, 75, 78, 80,
85–92, 94–99, 103–110. H1, 6, 13, 16,
20, 27, 35, 38, 40.

DISTRIBUTION OF HEPATICAE

- 3 **corallioides** Nees
(49), 88, 89, 92, 97, 104–106, 108, 109.
H(1), 34.
 - 4 **crenulatum** Gott. ex Carringt. (1)
3, 4, 45, 46, 48, 49, 68–70, 72, 73, 75,
78, 88, 90, 92, 96–101, 103–112. H1–3,
6, 7, 12, 13, 16, 20, 21, 27–31, 33–36,
38–40.
 - 5 **apiculatum** (Schiffn.) K. Muell.
92, 94, 96, 97.
42. **Acrobolbus** Nees
- 1 **wilsonii** Nees (1)
97, 101, 104. H1–3, 27.
43. **Southbya** Spruce
- 1 **tophacea** (Spruce) Spruce (1, 29)
1, 41, 51, 52. H28.
 - 2 **nigrella** (De Not.) Henr. (1, 29)
9, 10.
44. **Gongylanthus** Nees
- 1 **ericetorum** (Raddi) Nees (1)
1. C.
45. **Pedinophyllum** (Lindb.) Lindb.
- 1 **interruptum** (Nees) Kaal. (1)
57, 64, 65, 69, 98. H1, 9, 28, 29, 33, 35.
46. **Plagiochila** (Dum.) Dum.
- 1 **carringtonii** (Balf.) Grolle (1)
88, 90, 92, 94, 96–100, 102–108,
110–112. H27.
 - 2 **porelloides** (Torrey ex Nees) Lindenb. (*P.*
asplenioides auct.) (30)
1–17, 19, 20, 22–24, 30–112. H1–40. C.
 - 3 **asplenioides** (L.) Dum. (*P. asplenioides*
var. *major* Nees) (30)
1–20, 22–24, 26–55, 57–111. H1–6, 8,
10–16, 20, 23–26, 28–31, 33–40. C.

DISTRIBUTION OF HEPATICAE

- 4 **britannica** Paton (30)
34, 35, 42, 44, 52, 63–67, 75, 78, 89–91,
95, 96. H8, 9, 37.
 - 5 **atlantica** F. Rose (*P. ambagiosa* auct.) (31)
48, 97, 98, 101, 104. H1, 3.
 - 6 **spinulosa** (Dicks.) Dum. (2, 31, 32)
2, 3, 5, 6, (11), 34, 35, 37, 40–50, 52,
(59), 60, (63), 64, 65, 67, 69–73, 75, 76,
79, 80, 82, 83, 86–88, 96–108, 110–112.
H1–6, 8, 10, 11, 13, 16, 20, 25, 27–29,
33–36, 38–40.
 - 7 **killarniensis** Pears. (32)
1–4, 6, (11, 14), 45, 48, 49, 52, 64,
69–71, 73–75, 97, 98, 101–105. H1–3, 9,
10, 16, 20, 23, 27, 29, 31, 35, 39. C.
 - 8 **punctata** Tayl. (32)
1–5, 41–49, 64, 65, 69–73, 75, 86–88,
96–105, 108, 110, 112. H1–3, 5–10, 13,
16, 20, 26–30, 33–35, 39, 40.
 - 9 **corniculata** (Dum.) Dum. (*P. tridenticulata*
(Hook.) Dum.) (1)
44, 47–49, (64), 65, 69, 70, 73, (75), 87,
88, 97–105, 108. H1–3, 6, 16, 27, 28, 35,
39, 40.
47. **Leptoscyphus** Mitt.
- 1 **cuneifolius** (Hook.) Mitt. (*Mylia cuneifolia*
(Hook.) S. Gray) (1, 33)
48, 87, 88, 97–105, 108, 110. H1–4, 16,
27, 29, 35.
48. **Lophocolea** (Dum.) Dum.
- 1 **bidentata** (L.) Dum. (4, 34)
1–112. H1–30, 32–40. C.
 - 2 **cuspidata** (Nees) Limpr. (34)
1–112. H1–17, 19–31, 33–40. C.
 - 3 **bispinosa** (Hook. f. & Tayl.) Gott., Lin-
denb. & Nees (35)
1, 102.
 - 4 **heterophylla** (Schrad.) Dum. (1)
1–91, 93, 95–106. H1–3, 5–7, 11–13, 16,
19–22, 24, 27, 29–31, 34–39. C.

DISTRIBUTION OF HEPATICAE

- 5 **semiteres** (Lehm.) Mitt. (36)
1, 98.
- 6 **fragrans** (Moris & De Not.) Gott., Lindenb. & Nees (1)
1-6, 9, 14, 35, 40, 41, 43-45, 47-50, 52, 57, 60, 70, 72-76, 81, 97-105, 108, 110.
H1-3, 5, 6, 8, 10-13, 15, 16, 20, 24, 27-29, 33-35, 39, 40. C.
49. **Chiloscyphus** Corda
 - 1 **polyanthos** (L.) Dum. (37)
1-26, 30-52, 54, 55, (56), 57-112.
H1-14, 16, 18-21, 23, 25, 27-40. C.
 - 2 **pallescens** (Ehrh. ex Hoffm.) Dum.
1-20, 22-24, 26-54, 57-65, 67-74, 76, 78, 80, 82-92, 96-109, 111, 112. H1, 2, 4-6, 8, 9, 12, 13, 16, 20, 21, 23, 24, 27-30, 33-38, 40.
50. **Geocalyx** Nees
 - 1 **graveolens** (Schrad.) Nees (1)
97, 104, (105). H1.
51. **Harpanthus** Nees
 - 1 **flotovianus** (Nees) Nees (1)
(73), 88-90, 92, 96-98, 105-109, 112.
 - 2 **scutatus** (Web. & Mohr) Spruce (1)
2, 3, 14, 16, 36, 46-49, 60, 62, 64, 67, 69, 70, 72, 80, 86, 87, 89, 97, 98, 100-105, 108, 112. H1-3, 6, 16, 20, 27-29, 33, 35, 36, 39, 40.
52. **Saccogyna** Dum.
 - 1 **viticulosa** (L.) Dum. (1)
1-6, 11, 14, 34-37, 39-50, 52, 59, 60, 62-67, 69-78, 85-89, (90), 91, 96-108, 110-112. H1-14, 16, 18, 20, 21, 25-36, 38-40. C.
53. **Douinia** (C. Jens.) Buch
 - 1 **ovata** (Dicks.) Buch (1)
1-4, 42, 44, 48-50, 57, (65), 68-70, (71), 73, 78, 86-92, 94, 96-110, 112. H1, 2, 6, 12, 16, 20, 21, 27, 31, 34, 35, 38, 40.

54. **Diplophyllum** (Dum.) Dum.
 - 1 **albicans** (L.) Dum.
1-25, 27, 28, 30, 32-52, (53), 54-112.
H1-16, 18-40. C.
 - 2 **taxifolium** (Wahlenb.) Dum. (1)
49, 69, 87-90, 92, 94, 96-98, 105-108.
 - 3 **obtusifolium** (Hook.) Dum. (1)
1-6, 13, 14, 16, 17, 22, 27, 34, 35, 41,
43, 44, 46-50, 58, (61), 69, 73, 74, 77,
78, 82, 85, 87-93, 95-98, 106, 108, 112.
H1, 3, 4, 6, 20, 21, 32, 34, 37.
55. **Scapania** (Dum.) Dum. (38)
 - 1 **gymnostomophila** Kaal.
89, 92, 97, 104. H34.
 - 2 **callicola** (H. Arn. & J. Perss.) Ingham (39)
87-89, 97, 98, 104.
 - 3 **cuspiduligera** (Nees) K. Muell. (39)
35, 40-42, 44, 47, 49, 57, 64-67, 69, 83,
88-92, 97, 105, 108, 109. H28.
 - 4 **scandica** (H. Arn. & Buch) Macv. (40)
2, 5, 42, 43, 46-50, 57, 59, 62, 64-70,
72, 73, 75, 77-83, 85, 87-92, 94-98,
103, 105, 106, 108, 112. H1, 6, 7, 28, 34.
 - 5 **curta** (Mart.) Dum. (40)
13, 14, 16.
 - 6 **lingulata** Buch (41)
89, 90, 95, 96, 98. H10.
 - 7 **praetervisa** Meyl. (*S. mucronata* auct.
angl.) (40)
64, 88, 91, 95.
 - 8 **parvifolia** Warnst. (42)
(97), 98.
 - 9 **umbrosa** (Schräd.) Dum.
1-5, 13, 14, 16, 34, 37, 39, 42, 44-49,
57-60, 62-70, 72-93, 95-112. H1-3,
6-8, 10, 12, 13, 16, 20, 21, 25-30, 33-40.
 - 10 **nemorosa** (L.) Dum.
1-27, 30, 32-52, 54-60, 62-81, 83-112.
H1-10, 12, 13, 16, 20, 21, 27-31, 33-40.
C.

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- 11 **degenii** Schiffn. ex K. Muell. (1, 43)
65, 66, 70, 87-89, 92, 95, 97, 98, 104,
107, 112.
- 12 **irrigua** (Nees) Nees
1-28, 30, 33-52, 54-75, 77-112. H1-12,
16, 20-23, 25-31, 33-40.
- 13 **paludicola** Loeske & K. Muell. (44)
2, 64.
- 14 **compacta** (A. Roth) Dum.
1-6, 8-11, 13-17, 20, 22, 24-26, (27),
28, 32, 34-37, 39-50, 52, 54, 55, 57, 59,
60, (62, 64), 65-112. H1-4, 6, 8, 12, 13,
16, 20, 21, 27, 28, 31, 32, 35, 37-40. C.
- 15 **subalpina** (Nees ex Lindenb.) Dum.
2-5, 42-44, 46-51, 60, 64-70, 72-81,
83, 85-99, 101-112. H1, 2, 6, 7, 16, 20,
27, 34-36, 38-40.
- 16 **undulata** (L.) Dum.
1-17, (18-21), 22-25, 27, 32, 34-52, 54,
55, 57-60, 62-112. H1-31, 33-40. C.
- 17 **uliginosa** (Sw. ex Lindenb.) Dum.
36, 46, 48, 49, 60, (62, 64), 69, 70,
86-90, 92, 94, 96-99, 103-106, 108,
112. H1, 2, 12, 20, 27, 31, 35.
- 18 **paludosa** (K. Muell.) K. Muell.
48, 70, 88, 90, 92, 96, 106.
- 19 **aequiloba** (Schwaegr.) Dum. (45)
44, 49, 64-66, 69, 70, 72, 79, 80, 83,
(85), 86-92, 94, 96-99, 101, 104, 105,
107, 108, 110. H7, 28, 34, 35, 39.
- 20 **aspera** H. Bern. (45)
3, 6, 8-14, 17, 20, 23, 24, 32-36, (39),
41-45, 47-53, (55), 57, 59, 60, 62-70,
(71), 72, (76), 78-80, 82, 83, 86-90, 92,
94, (95), 96-111. H1, (2), 6, 8-10,
13-16, 22-29, 33-36, 39, 40.
- 21 **gracilis** Lindb.
1-5, 9, 11, 14, 16, 34-36, 39-52,
57-112. H1-4, 6-13, 16, 20, 21, 25-31,
33-40. C.

DISTRIBUTION OF HEPATICAE

- 22 **ornithopodioides** (With.) Waddell (1)
49, 69, 70, 88, 92, 94, 96-99, 102-108,
110, 112. H1, 16, 27, 35.
 - 23 **nimbosa** Tayl. (1)
(49), 88, 92, 94, 96-98, 102, 104-108,
110. H1, 27, 35.
56. **Adelanthus** Mitt.
- 1 **decipiens** (Hook.) Mitt. (1)
48, 49, 70, 73, 86, 97-105. H1-3, 6, 7,
16, 27-29, 33-35, 39, 40.
 - 2 **lindenbergianus** (Lehm.) Mitt. (*A. unci-*
formis (Tayl.) Mitt.)
H16, 27, 35.
57. **Odontoschisma** (Dum.) Dum.
- 1 **sphagni** (Dicks.) Dum.
1-5, 8, 9, 11-17, (21), 22, (23), 24, 25,
27, 28, (29), 34, 35, 37, 39-52, 54, (55),
57-112. H1-5, 7-40.
 - 2 **denudatum** (Mart.) Dum.
2-5, 8, 9, 11-14, 16, 17, 22, 26, 39, 40,
42-52, 57, 58, (59), 60-62, 64, 66-75,
78, 80, 81, 83-85, 87, 88, 91, 94-112.
H1-3, 7, 9-11, 13, 14, 16-19, 21-31,
33-38, 40.
 - 3 **elongatum** (Lindb.) Evans
88, 92, 96, 98, 99, 105, 106, 108, 111,
112. H3, 16.
 - 4 **macounii** (Aust.) Underw.
88, 105.
58. **Cephaloziella** (Spruce) Schiffn.
- 1 **elachista** (Jack ex Gott. & Rabenh.)
Schiffn.
12, 14, 22, 27. H20, 21.
 - 2 **subdentata** Warnst.
1-5, 8, 12-14, 17, 22, 24, 34, 46, 48, 52,
67, 77, 81-83, 88, 89, 92, 97, 98, 108,
112. H1, 9, 27, 29, 34, 35.

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- 3 **rubella** (Nees) Warnst.
1, 2, 4, 6, 7, 9, 12-14, 17, 20, 22-25,
28-30, 33, 34, 36-41, 46, 48, 50, 51, 56,
58, 59, 61-64, 67-69, 71, 72, 74, 76, 78,
80-83, 85, 86, 88-92, 94-99, 105, 107,
111. H34, 37, 39. C.
 - 4 **hampeana** (Nees) Schiffn.
1-7, 9-19, 22-24, 26-29, 34, 35, 39-43,
45-52, 56-80, 82, 83, 85-92, 94-99,
101-109, 112. H1-13, 16, 18, 20, 22-25,
27-30, 33-40.
 - 5 **baumgartneri** Schiffn.
9, 10, 13-15, 17, 34.
 - 6 **divaricata** (Sm.) Schiffn. (*C. starkei*
(Funck) Schiffn.)
1-6, 8, 9, 11-18, 20-30, 32-55, 57-75,
77-92, 95-101, 103-108, 110-112.
H1-4, 6-10, 12, 13, 16, 20-23, 27-30,
33-40. C.
 - 7 **stellulifera** (Tayl.) Schiffn.
1-6, 10, 13, 14, 16, 33, 34, 36, 37, 41,
44, 45, 47-49, (50), 52, 56, 57, 61, 64,
66, 71, 77, 87. H2, 3, 6, 20, 27, 34. C.
 - 8 **massalongi** (Spruce) K. Muell.
1-4, 48, (49), 52. H3, 6.
 - 9 **turneri** (Hook.) K. Muell. (1)
1-3, 10, 11, 13, 14, 16, 33-36, (38), 44,
45, (48), 101. H2, 3, 20. C.
 - 10 **dentata** (Raddi) Mig.
1.
 - 11 **integerrima** (Lindb.) Warnst. (1)
7, 11, 13, 14, 22. H6.
 - 12 **calyculata** (Dur. & Mont.) K. Muell.
1, 41.
59. **Cephalozia** (Dum.) Dum.
- 1 **bicuspidata** (L.) Dum. (46)
a ssp. **bicuspidata**
1-30, 32-112. H1-40. C.

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- b ssp. **lammersiana** (Hueb.) Schust.
1, 2, 4-6, 8, 9, 11-19, 22, 26-28, 30, 35,
36, 38, 39, 41-49, (53), 54, 56-65,
67-79, 81, 83-86, 88-92, 95-99,
103-112. H1-3, 6-12, 14, 16-21, 26, 27,
30, 33, 35, 37-40.
 - c ssp. **ambigua** (Mass.) Schust. (*C. ambi-*
gua Mass.)
88, 92, 94, 96.
- 2 **connivens** (Dicks.) Lindb.
1-6, 8-20, 22 (23), 24-30, 32, 34, 35,
38-52, 54, 57-112. H1-3, 6-25, 27-29,
31, 33-40. C.
- 3 **hibernica** Spruce ex Pears.
H1, 2, 16.
- 4 **loitlesbergeri** Schiffn. (1)
(48), 60, 64, 66, 69, 73, 74, 77, 79, 83,
88-90, 92, 94-98, 104, 105, 108, 109,
112. H9, 16, 22, 25, 35, 37.
- 5 **pleniceps** (Aust.) Lindb. (1)
2, 4, 6, 14, 27, 46, 48, 49, 70, 79, 83,
88-90, 92, 94-98, 105, 106, 108, 112.
H1, 20, 23, 35, 39.
- 6 **lunulifolia** (Dum.) Dum. (*C. media* Lindb.)
1-9, 11-17, 20, 22, 23, 31, 34-37, 39,
40, 43-51, 55-75, 77-112. H1-3, 5-11,
13, 15, 16, 18, 20, 21, 26-29, 33-40.
- 7 **macrostachya** Kaal. (1)
 - a var. **macrostachya**
2, 3, 8-15, 17, 22, 24, 27, 28, 39, 40, 45,
46, 50, 58, 60, 62, 64, 67, 68, (69), 70,
72, 74, 75, 77, 80, 81, 83, 84, 89, 96,
104. H20, 34, 35.
 - b var. **spiniflora** (Schiffn.) K. Muell.
13.
- 8 **catenulata** (Hueb.) Lindb.
1-4, 11, 13, 14, 41, 42, 44, 48, 49, 58,
59, 62, (63), 64, 67-75, 80, 83, 88, 92,
96-98, 102-105, 110, 112. H1-3, 7, 9,
13, 16-18, 20, 21, 27-31, 33-36, 38, 39.
- 9 **leucantha** Spruce (1)
1, 2, (17), 48-50, 68, 70, 72-75, 77, 78,
81, (82, 83), 86-101, 103-112. H1, 3, 9,
12, 16, 20, 25, 27-30, 33-36, 40.

60. **Nowellia** Mitt.

- 1 **curvifolia** (Dicks.) Mitt. (1)
1-9, 13, 14, 17, 22-24, 29, 33, 34, 36,
38-51, 57-60, 62-92, 94-112. H1-3, 5,
7, 9, 11, 15-17, 20, 21, 26-31, 33-36,
38-40.

61. **Cladopodiella** Buch

- 1 **francisci** (Hook.) Buch ex Jørg.
1-3, 8, 9, 11-14, 16, 17, 22, 24-26, (27),
28, 34, 35, 41, 45, (48), 52, 58, (61), 62,
(64), 71, 88, 90-92, 95-98, 100, 101,
103, 105, 110. H1, 3, 21, 27, 29, 38, 39.
- 2 **fluitans** (Nees) Buch (1)
1-3, 8-11, 13-15, (16), 17, 27, 28, 39,
40, 42-50, 57-60, 62-71, 73, 76, 80, 83,
88, 92, 95, 97, 98, 101, 103-110, 112.
H1, 2, 16, 20, 21, 23, 24, 26, 27, 35,
37-39.

62. **Pleurocladula** Grolle

- 1 **albescens** (Hook.) Grolle (*Pleuroclada albe-*
scens (Hook.) Spruce) (1)
88-90, 92, 94, 96-98, 100, 105, 106.

63. **Hygrobiiella** Spruce

- 1 **laxifolia** (Hook.) Spruce
(14), 42, 46, 48, 49, (57), 62, 64-70, 72,
73, 75, 77, 79, 83, 86-92, 94-106,
108-110, 112. H1-4, 6, 7, 16, 20, 21, 27,
28, 33-36, 39, 40.

64. **Anthelia** (Dum.) Dum.

- 1 **julacea** (L.) Dum.
42, 46, 48, 49, 64, (65), 68-73, 75,
85-90, 92, 94-101, 103-112. H1-3, 6, 7,
13, 16, 20, 27, 28, 34, 35, 38, 40.
- 2 **juratzkana** (Limpr.) Trev.
48, 49, 88-90, 92, 96-98, 101, 104-110,
112. H16, 34, 35.

65. **Telaranea** Spruce ex Schiffn.

- 1 **nematodes** (Gott. ex Aust.) Howe
(*T. sejuncta* (Ångstr.) S. Arn.) (1, 47)
1. H1-3, 16, 27.

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- 2 **murphyae** Paton (1, 48)
1, 17.
66. **Kurzia** Martens
 - 1 **pauciflora** (Dicks.) Grolle (*Lepidozia setacea* (G. Web.) Mitt.) (1)
1-6, 8-17, 22, (23), 24-28, 34, 35, 37, 39-48, 50, 52, 54, (55), 57-60, (61), 62-83, 85-92, 95-112. H1-3, 5-7, 9-25, 27-31, 33-36, 38, 39. C.
 - 2 **trichoclados** (K. Muell.) Grolle (*L. trichoclados* K. Muell.) (2)
2, 5, 14, 39, 48-50, 60, 62, 64, 65, 67-70, 74, 78, 83, 88-92, 96-98, 100-106, 108, 109, 112. H1-4, 6, 7, 10, 12, 13, 16, 20, 25-27, 29, 30, 33-36, 39, 40.
 - 3 **sylvatica** (Evans) Grolle (*L. sylvatica* Evans)
1, 2, 4, 5, 9, 11, 13, 14, 16, 17, 39, 42, 44-46, 48-52, 60, 62-64, 70, 73, 75, 80, 82, 83, 90, 95-98, 104, 105, 112. H1, 2, 4, 8, 16, 20, 27, 28, 33, 34. C.
67. **Lepidozia** (Dum.) Dum.
 - 1 **reptans** (L.) Dum.
1-30, 32-112. H1-3, 5-10, 12-31, 33-40. C.
 - 2 **pearsonii** Spruce
44, 46-50, (57, 59), 60, (63), 64, 65, 67-76, 78, 83, 86-88, 90, 92, 96-106, 108-112. H1-3, 20, 27-30, 33-35, 39.
 - 3 **cupressina** (Sw.) Lindenb. (*L. pinnata* (Hook.) Dum.) (1)
1-5, 34, 42-50, 52, (58), 60, 63, 64, 67, 68, 70, 71, 75, 86, 96-105, 108, 110-112. H1-4, 6, 8, 12, 16, 20, 21, 26-30, 33-36, 39, 40.
68. **Bazzania** S. Gray
 - 1 **trilobata** (L.) S. Gray (1)
1-5, 11, 13, 14, 34-37, 39-50, 52, 57-60, 62-75, 79, 80, (81), 85-92, 95-105, 108, 111, 112. H1-3, 5, 12, 13, 16, 20, 21, 27-30, 33-35, 37-40. C.

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- 2 **tricrenata** (Wahlenb.) Lindb.
42, 44, 48, 49, 60, (64), 65, 69, 70, 72,
73, 75, 76, 78, 79, 86–90, 92, 94,
96–112. H1–4, 6, 7, 16, 20, 27–30,
33–36, 39, 40.
 - 3 **pearsonii** Steph. (1)
92, 97, 98, 104–108, 110. H1, 2, 16, 27,
35.
69. **Calypogeia** Raddi (49)
- 1 **neesiana** (Mass. & Carest.) K. Muell.
3, 11, 17, 46–48, 50, 59, 60, 62, 67–70,
72, 75, 77–80, 83, 85, 88–92, 95–98,
101, 102, 104–110, 112. H2, 7, 10, 13,
16, 20, 22, 23, 28–30, 33–35, 40.
 - 2 **integristipula** Steph. (*C. neesiana* var.
meylanii (Buch) Schust.) (1)
14–17, 39, 58, 60, 62–64, 66–68, 70, 72,
74, 78, 83, 86, 92, 97, 101, 105, 106. H2,
33, 39.
 - 3 **muellerana** (Schiffn.) K. Muell.
1–6, 8–30, 34–52, 54, 55, 57–60, (61),
62–112. H1–14, 16–40. C.
 - 4 **trichomanis** (L.) Corda
42, 48–50, 52, 57–60, 63–70, 72, 73, 78,
80, 83, 87–90, 92, 93, 96–99, 101–103,
105, 106, 108, 110–112. H2, 3, 6, 7, 16,
20, 27, 33–36, 40.
 - 5 **fissa** (L.) Raddi
1–24, 26–112. H1–40. C.
 - 6 **sphagnicola** (H. Arn. & J. Perss.)
K. Muell. (1)
2, 3, 8, 9, 11–15, 17, 22, 26, 28, 39, 40,
42, 45–48, 50, 58, (60), 64–67, 70, 73,
74, 79, 81, 83, 87–90, 92, 95–98, 101,
104–106, 109–112. H3, 6, 7, 9, 11, 14,
16, 17, 19, 22–24, 27–29, 32–37.
 - 7 **suecica** (H. Arn. & J. Perss.) K. Muell. (1)
97, 98, 101, 105, 106, 108. H1, 33, 36.
 - 8 **arguta** Mont. & Nees (1)
1–20, 22–24, 26–28, 32–86, 88, 90, 91,
93, 94, 96–106, 108–112. H1–16, 18–21,
23–40. C.

70. **Blepharostoma** (Dum.) Dum.
 - 1 **trichophyllum** (L.) Dum. (1)
1, 3, 4, 14, 16, 23, 33–37, 39–44, 46–50,
(54), 57, 59, 60, 62–83, 85–92, 94–112.
H1–3, 6, 16, 20, 27–29, 31, 33–35,
38–40.
71. **Trichocolea** Dum.
 - 1 **tomentella** (Ehrh.) Dum. (1)
1–6, 8, 9, 11, (12), 13–18, (20), 24, 26,
34–40, 42–50, 52, 57–60, 62–80, (81),
82, 83, 85–92, 94–106, 108, 109, 111.
H1–6, 8–10, 13, 14, 16, 18, 20, 27–30,
33–36, 38–40.
72. **Ptilidium** Nees
 - 1 **ciliare** (L.) Hampe
2–5, 12, 13, 15, 17, (19, 21), 22, 24–28,
30, 34–112. H1, 2, 8, 20–22, 27, 35, 36,
39.
 - 2 **pulcherrimum** (G. Web.) Vainio (1)
5–9, 11–18, 20, 22–24, 27–32, 34–42,
44, 47, 48, 50, 51, 54, 55, (56), 57,
59–62, 64, 65, 67–70, 75, 77, 78, 80–86,
88–92, 95, 96, 99–101, 106, 108. H31.
73. **Mastigophora** Nees
 - 1 **woodsii** (Hook.) Nees (1)
88, 97–99, 103–108, 110, 112. H1, 2, 16,
27.
74. **Herbertus** S. Gray
 - 1 **stramineus** (Dum.) Trev. (*Herberta adunca*
auct.) (1)
48, 49, 70, 86–88, 90, 96–99, 103–108,
110–112.
 - 2 **aduncus** (Dicks.) S. Gray ssp. **hutchinsiae**
(Gott.) Schust. (*Herberta hutchinsiae* (Gott.)
Evans) (1)
48, 49, 69, 70, 73, 75, 86–88, 97–108,
110, 111. H1–3, 6, 7, 16, 27–29, 33–35,
39.
 - 3 **borealis** Crundw. (50)
105.

75. **Radula** Dum.

- 1 **complanata** (L.) Dum.
1-17, 19, 20, (21), 22-62, (63), 64-83,
(84), 85-112. H1-40. C.
- 2 **lindenbergiana** Gott. ex Hartm. f. (*R.*
lindenbergiana Gott.)
1-3, 40, 48, 49, 52, 65, 68-70, 72, 73,
75-78, 85-90, 92, 96-101, 103-106,
108-111. H1-3, 6, 8, 27-29. C.
- 3 **holtii** Spruce (1)
H1-3, 27.
- 4 **aquilegia** (Hook. f. & Tayl.) Gott. & Lin-
denb. (1)
46, 48, 49, 69, 70, 73, 86, 87, (88),
97-105, 107, 108, 110, 112. H1-3, 6, 7,
16, 27-29, 34, 35, 38.
- 5 **carringtonii** Jack (1)
97, 101, 103, 104. H1-3, 27, 33.
- 6 **voluta** Tayl. ex Gott. & Lindenb. (1)
48, 49, 70, 73, (75), 97, 98, 101, 102,
104, 105. H1-3, 6, 7, 16, 27, 28, 30, 35.

76. **Pleurozia** Dum.

- 1 **purpurea** Lindb. (1)
73-75, 86-89, 92, 96-112. H1-3, 9,
16-18, 20, 21, 23-25, 27-30, 33-36,
38-40.

77. **Porella** L.

- 1 **arboris-vitae** (With.) Grolle (*P. laevigata*
(Schrad.) Lindb.) (1)
 - a var. **arboris-vitae**
1, 3-6, 9-14, 16, 17, 24, 33-37, 39, 40,
42-50, 52, 57, 60, 62, 64-67, 69, 70,
72-75, 77, 79, 80, 82, 83, 85-90,
96-105, 108, 112. H1-3, 5-7, 9, 16, 20,
23, 26-30, 33-35, 39, 40. C.
 - b var. **killarniensis** (Pears.) Corley
3. H2.
 - c var. **obscura** (Nees) Corley
1, 40, 48, 49, 82, 83, 85, 99. C.

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- 2 **obtusata** (Tayl.) Trev. (*P. thuja* (Dicks.) C. Jens.)
1-5, 9, 15, 34, 45, 46, 48-50, 52, 72-75, 81, 82, 85-91, 96-104, 110-112. H1-3, 5, 6, 8, 16, 18, 20, 27, 38, 39. C.
- 3 **platyphylla** (L.) Pfeiff. (1)
1-60, 62-73, 75-81, 83, 85-92, 94, 95, 97-99, 101, 103, 104, 106, 108, 112. H1, 2, 4-9, 11-14, 16, 17, 19-22, 24, 26, 28-33, 36-40. C.
- 4 **cordaeana** (Hueb.) Moore
 - a var. **cordaeana**
2-5, 13, 17, 40, 42-45, 47-51, 57, 64-73, 75-99, 104, 106-109, 112. H5, 6, 9, 13, 15, 20, 22, 23, 28, 29, 31-33, 36-40.
 - b var. **simplicior** (Zett.) S. Arn.
36, 73, 77, 83, 87, 88. H32, 38, 39.
 - c var. **faeroensis** (C. Jens.) E. W. Jones
112.
- 5 **pinnata** L.
2-5, 36, 45, 46, 48-50, 69. H1, 2, 4-6, 9, 10, 12, 15, 20, 28, 30, 37.

78. **Frullania** Raddi

- 1 **teneriffae** (Web.) Nees (*F. germana* (Tayl.) Gott., Lindenb. & Nees) (1)
1-3, 45, 48, 49, (52), 64, 69-75, 85, 88, 97-105, 108, 110-112. H1-4, 6, 8, 9, 16-20, 22, 26-31, 33-36, 39, 40. C.
- 2 **tamarisci** (L.) Dum.
1-17, 20, 22-24, 26, 28, 32-52, (54-56), 57-60, 62-112. H1-22, 24-40. C.
- 3 **microphylla** (Gott.) Pears. (1)
1-5, 42, 45, 48, 49, 64, 69-71, 73-75, 86, 87, 97, 98, 100-105, 110, 111. H1-3, 7, 16, 27-29, 33-35.
- 4 **fragilifolia** (Tayl.) Gott., Lindenb. & Nees (1)
1-4, 11, 14, 34, 40, 43, 45-50, 52, 60, 64-67, 69-75, 78, 79, 81-83, 85-92, 94-110, 112. H1-3, 6, 7, 16, 20, 27, 29, 33-36, 38-40. C.

- 5 **dilatata** (L.) Dum.
1-17, (18), 19, 20, (21), 22-62, (63),
64-83, (84), 85-112. H1-40. C.
79. **Jubula** Dum.
 - 1 **hutchinsiae** (Hook.) Dum. (1)
(1), 2-5, 34, 35, 42, 44-50, 63, 64,
69-76, 86, 97, 98, 100-105, 110. H1-4,
6, 8, 16, 20, 27-29, 34-36, 38, 39.
80. **Marchesinia** S. Gray
 - 1 **mackaii** (Hook.) S. Gray (1)
1-6, 9, 10, 34-36, 39-41, 43-46, 48-50,
52, 57, 60, 63, 64, 69-75, 86, 97-104,
110. H1-10, 14-17, 20-23, 26-29, 31,
33-35, 38-40.
81. **Harpalejeunea** (Spruce) Schiffn.
 - 1 **ovata** (Hook.) Schiffn. (1)
1-3, 46, 48-50, 64, 65, 69, 70, 72, 73,
75, 86, 87, 97-105, 108, 110. H1-3, 6, 7,
9, 15, 16, 27-29, 33-35, 38, 39.
82. **Drepanolejeunea** (Spruce) Schiffn.
 - 1 **hamatifolia** (Hook.) Schiffn. (1)
2, 48, 49, 64, (65), 69, 70, 73, 86, 87,
97-105, 108, 110. H1-4, 6, 8, 9, 14-17,
20, 21, 25-29, 31, 33-35, 38, 39.
83. **Lejeunea** Lib. (51)
 - 1 **cavifolia** (Ehrh.) Lindb.
1-19, 22-24, 26, 29, 30, 32-36, 38,
40-50, 52, 57-60, 62-70, 72-75,
77-101, 104-109, 112. H1-8, 10, 13, 14,
16, 17, 20, 21, 25-29, 33-40.
 - 2 **lamacerina** (Steph.) Schiffn.
1-6, 9-11, 17, 34, 35, 39, 41-52, 60,
63-65, 67, 69-75, 79-82, 85, 86, 88, 90,
97-105, 108, 110, 112. H1-13, 15, 16,
20, 21, 25, 27-29, 33-40. C.
 - 3 **patens** Lindb.
1, 2, 4, 35, 41, 42, 44-50, 60, 62-65,
67-75, 78-80, 83, 85-88, 92, 94,
97-112. H1-13, 15-17, 20, 21, 25-31,
33-40. C.

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- 4 **hibernica** Bischl., H. Miller & Bonner (*L. diversiloba* Spruce) (1)
H1-3, 16.
 - 5 **flava** (Sw.) Nees (1)
H1-3, 6, 16.
 - 6 **mandonii** (Steph.) K. Muell. (1)
1, 97, 104. H1, 2, 29.
 - 7 **holtii** Spruce (1)
102. H1-4, 6, 10, 16.
 - 8 **ulicina** (Tayl.) Gott., Lindenb. & Nees (1)
1-17, 20, 22-24, 33-36, 40-42, 44-50,
52, 60, (62), 64, 65, 69-76, 86-88,
97-105, 110. H1-7, 9-12, 14-16, 18, 20,
21, 23-40. C.
84. **Colura** (Dum.) Dum.
- 1 **calyptrifolia** (Hook.) Dum. (1)
1, 14, 48, 49, 64, 70, 73, 86, 87, 97-105,
108, 110. H1-4, 6-10, 15, 16, 21, 24,
26-29, 33, 35, 38, 39.
85. **Cololejeunea** (Spruce) Schiffn.
- 1 **calcarea** (Lib.) Schiffn. (1)
34-36, 41, 42, 47-50, 57, 59, 60, 63-67,
69, 70, 72, 73, 75, 76, 80, 82, 83, 86-92,
94, 96-101, 103-109. H1, 2, 7, 9, 10, 15,
16, 21, 28, 29, 31, 33-35, 38-40.
 - 2 **rosettiana** (Mass.) Schiffn. (1)
3, 5, 6, 9, 10, 34-36, 40, 50, 52, 57, 59,
60, 63-67, 69, 70, 72, 75, 80, 81, 91, 98,
99. H2, 6, 8, 9, 14, 16, 21, 22, 28, 29, 33,
36.
 - 3 **minutissima** (Sm.) Schiffn.
1-4, 6, 8-11, 13-17, 45, 48-50, 52, (70),
97, 98, 100, 101, 103, 104. H1-6, 8-11,
15-18, 21, 23-30, 33, 35. C.
86. **Aphanolejeunea** Evans
- 1 **microscopica** (Tayl.) Evans (1)
46, 48-50, 64, 65, 69, 70, 72-75, 86, 87,
(88), 97-105, 108, 110. H1-3, 6-8, 10,
16, 26-29, 33, 35, 36, 39, 40.

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1. **Sphagnum** L.

- 1 **imbricatum** Hornsch. ex Russ. (1)
3, 46, 48, 49, 62, (65-67), 69, 70, 72-75,
77-81, 83, 86-90, 92, 95-99, 102,
104-112. H1, 2, 9, 10, 14-18, 20, 22-24,
27, 29, 30, 33, 35-37, 39, 40.
- 2 **papillosum** Lindb.
1-6, 8-17, 22, 24, 26-28, 34-52, (53),
54, 57-112. H1-40.
- 3 **palustre** L.
1-22, (23), 24-32, 34-112. H1-4, 6-40.
C.
- 4 **magellanicum** Brid.
2, 3, 9, 11-17, 22, 24, 27, 28, 39, 40,
45-51, 58, 60, 62, 64-70, 72-84, 86-92,
95-112. H1-3, 7-11, 14-20, 22-31,
33-40.
- 5 **squarrosus** Crome
1-3, 5, 6, 8-31, 34-110, 112. H1-9,
12-14, 16, 17, 19-24, 27-40.
- 6 **teres** (Schimp.) Ångstr.
3-5, 9, 11, 13, 14, 17, 25, 27, 35, 38, 40,
42-50, 57-60, 62-80, 82, 83, 86-92,
94-109, 112. H1, 20, 22, 27, 34, 37, 39,
40.
- 7 **fimbriatum** Wils.
1-6, 8-22, (23), 24-31, 34-104, 106,
108-112. H1, 4, 6, 7, 9, 10, 13, 18-22,
24, 25, 28-30, 32-40.
- 8 **girgensohnii** Russ.
5, 24, 30, (38), 39, 46-50, 53, 56, 57, 60,
62-70, 72-78, 80-112. H3, 20, 29, 34,
36-39.
- 9 **russowii** Warnst.
5, 13, (17), 26, 39, 40, 42, 43, 45-50, 57,
58, 60, 62-75, 77, 78, 80-93, 95, 96, 98,
99, 101, 104-112. H3, 7, 10, 13, 20, 21,
28-30, 33, 34, 36-40.
- 10 **quinquefarium** (Braithw.) Warnst.
2-5, 35, 37, 39, 42-44, 46-50, 57, 59,
60, 62-70, 72-74, 77, 79, 80, 86-88,
90-111. H1-3, 6, 7, 14, 16, 20, 21,
27-30, 33-37, 39.

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- 11 **warnstorffii** Russ. (1)
47-50, (60, 62, 65, 67), 69, 70, 72-74,
77-80, 83, 87-90, 92, 95-102, 104, 105,
107, 108. H14, 27, 40.
- 12 **capillifolium** (Ehrh.) Hedw. (52)
1-6, 8-17, 19, 20, (21), 22, 24-28, 30,
32, 34-42, 44-52, (53), 54-112. H1-40.
- 13 **fuscum** (Schimp.) Klinggr. (1)
13, 46, 48, (60), 65-70, 72-74, 78, 79,
83, 86-92, 94-97, (98), 102, 104-109.
H9, 10, 15-19, 22-25, 27, 32-34, 36, 39,
40.
- 14 **subnitens** Russ. & Warnst.
1-6, 8-31, 34-112. H1-3, 5-40. C.
- 15 **molle** Sull.
1, 3-5, 8, 9, 11, 12, 14, 17, 26, 28, 32,
34, 44, 45, 48, 49, 57, 59, 62-64, 66-70,
72, 73, 75, 77, 80, 83-88, 91, 92,
96-108, 110. H1-3, 15, 16, 20, 27-30,
33-40.
- 16 **strictum** Sull. (1)
48, (69), 73, 75, 86, 88, 89, 92, 96-98,
100, 101, 103-108, 110. H1-3, 16, 27,
34, 35, 39, 40.
- 17 **compactum** DC.
1-6, 8-17, (19, 21), 22, 24, 26-28, 34,
35, 37, 39-50, 52, 54, 56, 58, (59),
60-62, (63), 64-112. H1-9, 12, 14-21,
24, 26-40.
- 18 **platyphyllum** (Braithw.) Warnst. (1)
42, 49, 50, 60, 65, 69, 73, 74, 87, 88,
96-98, 110. H33.
- 19 **auriculatum** Schimp.
 - a var. **auriculatum**
1-20, (21), 22, (23), 24, 25, 27, 28, (29),
32-76, 78-93, 95-112. H1-31, 33-40.
C.
 - b var. **inundatum** (Russ.) M. O. Hill
1-6, 8, 9, 11-14, 16-18, (19), 20, (21),
22, 24, 26-28, (29), 31, 33-38, 41-52,
54, 55, 57-78, 80, 82, 83, 85-112. H1-4,
6, 7, 9, 12, 15-17, 19-22, 24, 25, 27-31,
33-40.

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- 20 **subsecundum** Nees (1, 53)
3, 5, 11, 12, (17), 27, 28, 45, 47–50, 69,
70, 73–75, 86–90, 96–98, 106.
- 21 **contortum** Schultz
3, 9, 11, 13, 14, 16, 27, 28, 43, 45–52,
58–62, 64, 65, 67, 69–74, 76, 79, 80, 83,
86–90, 92, 93, 95–104, 106–110, 112.
H1–3, 6, 8, 9, 12, 15, 16, 20–23, 27,
29–31, 34–40.
- 22 **cuspidatum** Hoffm.
1–6, 8–19, (20, 21), 22, 24, 25, 27, 28,
(29), 30, 34–52, 54–112. H1–40.
- 23 **majus** (Russ.) C. Jens.
67, 90.
- 24 **tenellum** (Brid.) Brid.
1–5, 8, 9, 11–17, (18, 19), 22, 24, 27, 28,
(29), 34, 35, 37, 39–50, 52, 54, 56–58,
(59), 60–81, 83–112. H1–4, 6–40.
- 25 **balticum** (Russ.) C. Jens.
46, (58), 63, 67, 72, 92.
- 26 **pulchrum** (Braithw.) Warnst. (1)
9, 40, 46, 47, 58, 60, 64, 67, 70, 71, 73,
74, 97, 104. H1, 2, 16, 35, 38, 39.
- 27 **recurvum** P. Beauv.
a var. **amblyphyllum** (Russ.) Warnst.
2, 3, 6, 9, 17, 22, 27, 30, 41, 46, 48–50,
60–65, 69, 79, 95, 97, 103–105. H3, 16.
b var. **tenue** Klinggr.
4, 5, 47–49, 60, 65, 67, 69, 72, 79, 88,
90, 95, 96, 98, 101, 105, 107–109. H3.
c var. **mucronatum** (Russ.) Warnst.
(54)
1–6, 8–20, (21), 22, 24–32, 34–112.
H1–4, 6–14, 16–18, 20, 22–31, 33–40.
- †28 **obtusum** Warnst.
(59, 60).
- 29 **riparium** Ångstr. (1)
22, (58, 60), 61, 67, (69), 77, 88, 90, 92,
94–96, 106, 112.
- 30 **lindbergii** Schimp. ex Lindb. (1)
90, 92, 94, 96, 97, 105, 106, (112).

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2. **Andreaea** Hedw.

- 1 **alpina** Hedw.
(41), 42, 44–46, 48, 49, 64–70, 72, 73,
75, 78, 79, 86–92, 94, 96–101, 103–108,
110, 112. H1, 2, 7, 16, 20, 21, 27, 28, 31,
35, 37–40.
- 2 **obovata** Thed.
 - a var. **papillosa** (Lindb.) Nyholm (3, 55)
(92, 94), 96.
 - †b var. **sparsifolia** (Zett.) Nyholm
(88).
- 3 **rupestris** Hedw.
 - a var. **rupestris**
(1), 3, 4, (14), 40–50, 57, (59), 60, 62,
(63), 64–112. H1–3, 6–8, 11–13, 16, 20,
21, 27, 29–31, 35–40.
 - b var. **alpestris** (Thed.) Sharp
49, 70, 86–88, 90, 92, 94, 96–98, 104,
110.
- 4 **rothii** Web. & Mohr
 - a ssp. **rothii**
1–5, 34, 35, (37), 40–50, 52, 57, 58, 60,
(63), 64–80, 82, 83, 85–112. H1–8,
10–13, 16, 20, 21, 25–31, 33–40.
 - b ssp. **frigida** (Hueb.) Schultze-Motel
70, 92, 96, 97.
- 5 **crassinervia** Bruch (3, 56)
 - a ssp. **crassinervia**
3, 48, 49, 58, 60, 63–65, 69, 70, 73, 86,
88, 90, 98, 99, 103, 105, 108. H16.
 - b ssp. **huntii** (Limpr.) Amann
(48), 69, (70, 71, 92, 98). H(2).
- 6 **nivalis** Hook.
(90), 92, 94, 96–98, 105, 106.

3. **Tetraphis** Hedw.

- 1 **pellucida** Hedw.
1–92, 94–109. H1–8, 10–13, 16, 18, 20,
21, 23, 26–30, 32–40.

4. **Tetrodontium** Schwaegr.

- 1 **brownianum** (Dicks.) Schwaegr.
3, 4, 13, 14, 16, 36, 39, 41, 42, 46-49,
57-60, 62-70, 72, 73, 75-77, 80, 83-88,
90, 91, 96-101, 103-108. H1, 8, 20, 21,
33, 36, 39, 40.
- 2 **repandum** (Funck) Schwaegr.
62.

5. **Polytrichum** Hedw.

- 1 **alpinum** Hedw.
 - a var. **alpinum**
2-4, 34, 36, 37, 40-50, 57, 59, 60, 62,
(63), 64-112. H1, 2, 6-8, 13, 16, 20, 21,
27-31, 33-40.
 - b var. **septentrionale** (Sw.) Lindb.
97. H1, 26, 35.
- 2 **longisetum** Sw. ex Brid.
(1), 3, 5-44, 46, 50, 53-70, 72-92,
94-97, 100, 103, 105, 110-112. H1-3, 7,
8, 12-15, 17-30, 32, 33, 36-40.
- 3 **formosum** Hedw.
1-112. H1-14, 16-40. C.
- 4 **commune** Hedw.
 - a var. **commune**
1-112. H1-40. C.
 - b var. **perigoniale** (Michx.) Hampe
3, 12, (17), 18, 22, 32, 35-39, 51, 54, 59,
62, (63), 85, 88-90, 95, 104-106, 111.
 - c var. **humile** Sw.
1, 3, 9, 12-14, (17), 38, 42, 43, 45, 58,
59, 61, 62, 71, 73, 76, 83, 85, 88, 90, 95,
96. H38.
- 5 **sexangulare** (Floerke ex Hoppe) Brid. (1)
88-90, 92, 94, 96, 97, 105, 106.
- 6 **piliferum** Hedw.
1-112. H1-22, 24-40. C.
- 7 **juniperinum** Hedw.
1-112. H1-6, 8-40. C.
- 8 **alpestre** Hoppe
2-6, 11, 12, 14, (17), 22, 25, 28, 39-51,
57-62, (63), 64-92, 94-106, 108-112.
H1, 3, 6-8, 10, 14, 16-18, 20-24, 27-30,
33-40.

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6. **Pogonatum** P. Beauv.

- 1 **nanum** (Hedw.) P. Beauv. (1)
1-20, (21), 22-27, (29), 30, 32-49, (50,
51), 52, 55-58, (59), 60-64, 66-73,
75-79, 81, 83, (84), 85-92, 94-98,
100-104, 106, 108-112. H1-5, 10, 12,
13, 20, 21, 25, 27, 28, 32-40. C.
- 2 **aloides** (Hedw.) P. Beauv.
 - a var. **aloides**
1-20, (21), 22-28, (29), 30, 32-112.
H1-14, 16, 18-22, 24-40. C.
 - b var. **minimum** (Crome) Mol.
(1), 3, 5, 7, (22, 23), 25, 38, 47, 58-60,
62, 66-69, 72, 73, 83-85, 88, 90, 96,
103, 105, 106, 111. H5, 38, 39.
- 3 **urnigerum** (Hedw.) P. Beauv.
1-17, 20, (21), 22, 24, 26, 27, (30),
32-112. H1-10, 12-18, 20-22, 25-40.
C.

7. **Oligotrichum** Lam. & DC.

- 1 **hercynicum** (Hedw.) Lam. & DC.
1-4, 39, 41-44, 46-50, 57-60, 62-83,
85-112. H1, 2, 4-7, 13, 16, 20, 27, 29,
31, 33-36, 38-40.

8. **Atrichum** P. Beauv.

- 1 **crispum** (James) Sull. & Lesq. (1)
1, 3-5, 39, 41-44, 46-50, 57-61, 63-65,
69-71. H20, 29.
- 2 **tenellum** (Roehl.) Br. Eur. (1)
1, 7, 15-17, 58, 73, 75, 78, 81, 83, 85,
89, 95, 97, 106. H3.
- 3 **undulatum** (Hedw.) P. Beauv.
 - a var. **undulatum**
1-112. H1-40. C.
 - b var. **minus** (Hedw.) Paris
1, 2, 5, 6, 8-11, 15-17, (20), 22, 28, 32,
36, 38, 39, 42, 54-57, 59, 60, 62, 64-69,
74, 81, 85, 86, 88, 90-92, 95, 96, 101,
102, 106-108, 110.
 - †c var. **gracilisetum** Besch.
(17, 37, 38, 40, 56, 59, 70).

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- 4 **angustatum** (Brid.) Br. Eur. (1)
13-16, (17, 19, 33, 37), 44, 87. H36, 38.
9. **Diphyscium** Mohr
- 1 **foliosum** (Hedw.) Mohr
1-5, 14, 23, 35, 36, 39-50, 57, 58, (59),
60, 62, (63), 64-73, 75-80, 83, 85-93,
95-110, 112. H1-3, 7, 8, 13, 16, 20, 21,
27-29, 31, 33-40.
10. **Buxbaumia** Hedw.
- 1 **aphylla** Hedw. (1)
17, 22, 23, (27, 37, 39), 40, 47, (48), 57,
(58), 59, 63, (64), 66, (68), 72, (73), 77,
(78, 79), 80, (81), 82-86, (87), 88-92,
95, 96, (98, 99). H(1).
- 2 **viridis** (Moug. ex DC.) Brid. ex Moug. &
Nestl.
(90, 92), 96, (106).
11. **Archidium** Brid.
- 1 **alternifolium** (Hedw.) Mitt. (1)
1-17, (18), 20, (21), 22-24, (29, 30),
33-49, 51, 52, (54), 55, 57-62, (63),
64-79, 81-83, 85-92, 95-112. H1-3, 5,
8, 9, 12, 13, 16, 21, 27-30, 34, 35,
38-40. C.
12. **Pleuridium** Brid.
- 1 **acuminatum** Lindb.
1-52, 54-73, 75-107, 109, 111, 112. H1,
3-5, 8, 9, 14, 16, 18, 20-22, 25, 28-32,
34-40. C.
- 2 **subulatum** (Hedw.) Lindb.
1-7, 9-20, (21), 22-24, 26-41, 43-50,
52-55, 57-74, 76, 77, 80-86, 88-92,
94-96, 98-101, 103-105. H1-3, 6, 9, 12,
21, 31, 38, 39. C.
13. **Pseudephemerum** (Lindb.) Hagen
- 1 **nitidum** (Hedw.) Reim. (1)
1-30, 32-52, 54-87, 89-99, 101-109,
111, 112. H1-6, 8-10, 12, 15, 16, 20, 21,
26, 27, 29-31, 33-40. C.

14. **Ditrichum** Hampe

- 1 **cylindricum** (Hedw.) Grout
1-20, 22-26, 28-52, 55-59, 62-92,
94-101, 103-112. H1-4, 6-8, 10-13, 15,
16, 20, 27, 33-40. C.
- 2 **flexicaule** (Schimp.) Hampe (1)
1-3, 5-17, (19), 20, 22-30, 32-62, (63),
64-70, 72, 73, 75, 77-83, 85-92,
94-112. H1-3, 6-36, 38-40. C.
- 3 **subulatum** Hampe
1-3, 15.
- 4 **heteromallum** (Hedw.) Britt.
1-6, 9-17, (19), 24, 27, 32, 34-51, 55,
57-112. H1-8, 10, 12, 13, 16, 20, 21, 25,
27-40.
- 5 **zonatum** (Brid.) Limpr.
a var. **zonatum** (1)
48, 49, 68-70, 73, 75, 78, 88, 89, (90),
92, 96-98, 100, 103, 104, 108, 110. H39.
b var. **scabrifolium** Dix. (1)
46, 48, 49, 69, 73, 88, 94, 96-98,
103-105, 110. H16, 35.
- 6 **pusillum** (Hedw.) Hampe (57)
13, (14, 16), 17, 22, (46), 48, 49, 58, (60,
62, 64), 76, 95, 98, 99, 101, 104, 108,
109. H(5, 12, 32, 35, 38, 39).
- 7 **lineare** (Sw.) Lindb. (1)
43, 46-49, 69, 73, 90, 92, 94, 96-98,
103, 104. H28, 39.
- 8 **plumbicola** Crundw. (1)
6, 49, 67, 71, 88.
- 9 **cornubicum** Paton (1)
1, 2.

15. **Distichium** Br. Eur.

- 1 **capillaceum** (Hedw.) Br. Eur. (1)
6, (17), 35, 42, 44, 48-50, 57, 59, 60,
62-70, 72, 73, 77, 79, 80, 82, 83, 85-92,
94-112. H1, 3, 9, 12, 16, 20, 21, 27-29,
33-35, 39, 40.

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- 2 **inclinatum** (Hedw.) Br. Eur.
41, 44, 50, 52, 56, 57, 59, 60, 62, 64–66,
68–70, 72, 75, 82, 85, 87–90, 93, 94, 97,
98, 103, 107–112. H16, 26–29, 34, 35,
39, 40.
16. **Trematodon** Michx.
†1 **ambiguus** (Hedw.) Hornsch.
(88).
17. **Brachydontium** Fuernr.
1 **trichodes** (Web.) Milde
1–3, 13, 16, 17, 35, 36, 39, 42, 43, (48),
49, 57–60, 62–70, 72, 73, 75–78, 80, (81,
83), 86–92, 95–97, 99, 102, 103, 105.
H20, 21, 28, 38, 40.
18. **Seligeria** Br. Eur.
1 **donniana** (Sm.) C. Muell. (1)
7, 16, 22, 23, 33, 35, 36, 40, 47, 48, 57,
60, 62–70, 72, 75–77, 80, 83, 86–92, 94,
97–99, 101, 103–108. H9, 29, 33, 39.
2 **pusilla** (Hedw.) Br. Eur. (1)
3, 6–9, 15, 23, 33–39, 41–43, 48, 50, 52,
(54), 57–60, 62, 64–67, 69, 70, 72, 74,
80, 83, 86–90, 92, 94, 97, 98, 101, 104,
108. H28, 29, 33, 39.
2A **brevifolia** (Lindb.) Lindb. (58)
49.
3 **acutifolia** Lindb. (1)
6, 7, 33–36, 39, 42, 57, 60, 64–66, 69,
70, 89, 97, 104. H39.
4 **trifaria** (Brid.) Lindb. (1)
42, 57, 64–66, 69, 89, 108. H28, 29, 33.
5 **paucifolia** (Dicks.) Carruthers (1)
3, 6–17, 19, 20, 22–24, 26, 28–30, 54,
61. H40.
6 **calcareia** (Hedw.) Br. Eur. (1)
6–26, 28–30, 33, 34, 37, 54, 55, 57, 61.
H39, 40.
7 **diversifolia** Lindb.
62.

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- 8 **recurvata** (Hedw.) Br. Eur.
3, 10, 12-14, 24, 34-37, 40, 42-44,
47-51, 57-60, 62-70, 72-78, 80, 81,
83-92, 97-109, 111. H1, 3, 16, 27-31,
33-36.
- 9 **oelandica** C. Jens. & Medel.
H28, 29.
- 10 **carniolica** (Breidl. & Beck) Nyholm
67, 80.
19. **Blindia** Br. Eur.
 - 1 **acuta** (Hedw.) Br. Eur.
1-3, 35, 36, 40-42, 44-50, 52, 57-60,
62-83, 85-92, 94-112. H1-4, 6-8, 13,
16, 20, 21, 26-28, 31, 33-40.
 - 2 **caespiticia** (Web. & Mohr) C. Muell.
88, 97.
20. **Saelania** Lindb.
 - 1 **glaucescens** (Hedw.) Broth. (1)
90, 96.
21. **Ceratodon** Brid.
 - 1 **purpureus** (Hedw.) Brid.
 - a ssp. **purpureus**
1-112. H1-40. C.
 - b ssp. **conicus** (Hampe) Dix. (4)
17, 22, 23, 25, 27, 32, 33, 36-39, 58, 59,
62, (63), 64-66, 69, 87, 95, 96, 102.
H21, 27. C.
22. **Cheilothela** (Lindb.) Broth.
 - 1 **chloropus** (Brid.) Broth.
3, 6.
23. **Rhabdoweisia** Br. Eur.
 - 1 **fugax** (Hedw.) Br. Eur.
2-5, 35, 39-46, 48-50, 58, (63), 64-66,
68-73, 76, 77, (82), 85-93, 96-99, 101,
103-106, 112. H1, 6, 7, 16, 20, 21, 31,
35, 38-40.

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- 2 **crispata** (With.) Lindb.
2-4, 40-42, 44-50, 57, (59), 60, 64-66,
68-78, 83-92, 96-101, 103-105,
107-110, 112. H1-3, 6-8, 10, 12, 13, 16,
20, 27, 31, 33-36, 38-40.
 - 3 **crenulata** (Mitt.) Jameson
41-44, 46, 48-50, 58, 64, 66, 68-70,
72-76, 79, 80, 86-88, 97-101, 103-105,
108, 110. H1, 3, 4, 6, 16, 20, 26-28, 33,
35, 36, 40.
24. **Cynodontium** Schimp.
- 1 **strumiferum** (Hedw.) De Not.
89, 90, 92, 93, 96, 104.
 - 2 **polycarpon** (Hedw.) Schimp.
48, 68, 70, 90, 96.
 - 3 **jenneri** (Poech) Limpr.
48, 49, (65), 66, 68-70, 72, 73, 75, 78,
80, (81), 85-92, 95-98, 101, 105,
107-109, 111.
 - 4 **tenellum** (Br. Eur.) Limpr.
81, 87-92, 95, 96.
 - †6 **fallax** Limpr.
(90).
 - 7 **bruntonii** (Sm.) Br. Eur. (1)
1-6, (16), 34-37, 40-50, 52, 57, 58, (59),
62, (63), 64-78, 80-93, 95-100, 105,
106, 108, 109. H1, 4-7, 12, 13, 20, 30,
36, 39. C.
25. **Oncophorus** (Brid.) Brid.
- 1 **virens** (Hedw.) Brid.
69, 70, 87-90, 92, 96-98, 104, 107, 108.
 - 2 **wahlenbergii** Brid.
87, 88, 90, 92, 97-99, 105, 106.
26. **Dichodontium** Schimp.
- 1 **pellucidum** (Hedw.) Schimp.
1-6, 8-17, 27, 30, 33-52, (55), 56-60,
62-112. H1-10, 12-14, 16, 18, 20, 21,
25-40.

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- 2 **flavescens** (With.) Lindb. (3, 59)
37, 40, 41, 44, 47, 49, 50, 52, 57-60,
62-65, 68, 70, 72, 73, 75, 77, 86, 88, 90,
96, 98. H20, 21, 29, 40.
27. **Aongstroemia** Br. Eur.
 - 1 **longipes** (Somm.) Br. Eur.
88, 89, 95, 96, 98, 99.
28. **Dicranella** (C. Muell.) Schimp.
 - 1 **palustris** (Dicks.) Crundw. ex Warb.
1-6, (14), 34-37, 39-52, 57-60, 62-112.
H1-10, 12-14, 16, 18, 20, 21, 25, 27-40.
 - 2 **schreberana** (Hedw.) Dix.
1-25, 27-72, 74-91, 93-95, 97-99, 101,
102, 104-106, 108-112. H1-16, 20-26,
28-30, 32-40. C.
 - 3 **grevilleana** (Brid.) Schimp.
88, 89, 98, 106. H20, 28, 29.
 - 4 **crispa** (Hedw.) Schimp.
1-3, 13-15, (16, 17), 21, 25, (38), 39,
(48), 57, 58, (59), 61, 62, (63), 64-72,
76, 77, 80, 81, 85, 86, 88-92, 94-98,
106, 107, 109, 111. H1, 2, 5, 16, 28, 29,
34, 38-40.
 - 5 **subulata** (Hedw.) Schimp.
(1), 2-4, 10, 17, 35, 39, 41-44, 47-50,
58, (59), 60, 62, (63, 64), 65-73, 75, 76,
78, 80, 81, 83, 85-99, 101, 104-112. H1,
3, 5, 6, 12, 13, 16, 17, 21, 35, 36, 38, 39.
 - 6 **rufescens** (With.) Schimp. (1)
1-9, 11-20, 22, 23, 25, 27, 32-51, 54,
55, 57-112. H1-10, 12, 14, 16, 20, 21,
27-32, 34-36, 38-40. C.
 - 7 **varia** (Hedw.) Schimp.
1-92, 94-102, 104-112. H1-40. C.
 - 8 **staphylina** Whitehouse
1-39, 42-53, 55-64, 66, 67, 70-86,
88-92, 94, 95, 98, 99, 101, 106-109,
112. H3, 5, 6, 8, 9, 12, 16, 20, 22, 25, 29,
37. C.

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- 9 **cerviculata** (Hedw.) Schimp. (1)
(1, 2), 3-6, 8-22, (23), 24-28, 30-35,
37-40, 42-46, 48-50, (52), 54, 55,
57-70, 72-78, 81-92, 95-99, 102, 104,
105, 108, 109, 111, 112. H1-6, 12-14,
16-18, 20-26, 28-40.
- 10 **heteromalla** (Hedw.) Schimp.
1-112. H1-16, 18-40. C.
29. **Dicranoweisia** Lindb. ex Milde
- 1 **cirrata** (Hedw.) Lindb. ex Milde (1)
1-107, 109, 112. H1, 3-6, 8, 12, 13,
19-22, 25, 31, 34-40. C.
- 2 **crispula** (Hedw.) Milde
49, (62, 65), 69, 72, 73, 75, (86), 87-92,
94-99, 103-108.
30. **Arctoa** Br. Eur.
- 1 **fulvella** (Dicks.) Br. Eur. (1)
(48), 49, (65), 69, 70, 72, 73, 86-90, 92,
94, 96-98, 100, 103-106, 108, 110. H1,
35.
31. **Kiaeria** Hagen
- 1 **falcata** (Hedw.) Hagen
49, (65, 66, 69), 70, 72, 78, 86-90, 92,
94, 96-98, 100, 102, (104), 105-108,
110.
- 2 **blyttii** (Schimp.) Broth.
(48), 49, (65), 66, 68-70, 72, 73, 78,
86-94, 96-99, 104-108, 110. H35, 40.
- 3 **starkei** (Web. & Mohr) Hagen
(65), 69, 86-90, 92, 94, 96-98, 103-109.
32. **Dicranum** Hedw.
- 1 **glaciale** Berggr.
88-90, 92, 94, 96-98, 106.
- 2 **polysetum** Sw. (1)
17, 22, 26-28, 30, 31, 34, (38), 40, 54,
55, 58, 59, 61, 62, 64, 69, 70, 73, 80, 85,
87-90, 92, 95, 96.

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- 3 **bonjeanii** De Not.
1-18, (19), 20-28, 30, 32-52, 54-112.
H1-4, 6-13, 15-31, 33-40. C.
- 4 **leioneuron** Kindb.
46, 67, 70, 88, 92, 98.
- 5 **scoparium** Hedw.
1-112. H1-40. C.
- 6 **majus** Sm.
1-24, 27, 28, (29), 30, 32-52, (53), 54,
55, 57-112. H1-14, 16, 20-22, 25-31,
33-36, 38-40. C.
- 7 **spurium** Hedw. (1)
(3), 5, 8, 9, 11-14, 17, 22, 27, 28, (38),
54, 61, 62, (63, 64, 68, 69, 72, 85), 87,
88, 90, (91), 92, 95, 96.
- 8 **undulatum** Schrad. ex Brid. (1)
40, 46, 58, (59, 68), 70, (80), 81, 88, 89,
92, 95, 96, 109. H18.
- 9 **fuscescens** Sm.
 - a var. **fuscescens**
1-3, 5, 11, 13, 14, 17, 34, 36, 37, (38),
39-51, 57-70, 72-83, 85-112. H1-4, 6,
7, 12, 13, 16, 20, 21, 26, 27, 29, 30,
33-36, 38-40.
 - b var. **congestum** (Brid.) Husn.
(65), 66, 68, 88, 92, 94, 97, 98, 105,
108-110.
- 10 **elongatum** Schleich. ex Schwaegr.
(68, 90), 92, (96, 97, 105, 109, 112).
- 11 **scottianum** Turn. (1)
1-5, 14, 16, 34-36, (39), 41, 44-50, 52,
58, 60, (62), 67, 68, 70, 73, 75, 80,
86-90, 92, 97-105, 108, 110, 111. H1-8,
16, 20, 25-30, 33-36, 38. C.
- 12 **montanum** Hedw. (1)
6-8, 11-25, 29, 30, 32, 34, 36-41, 47,
50, (54), 55, 57, 58, 64, 66-70, 80, 81,
83, 88-90, 95, 96, 99, 112.
- 13 **flagellare** Hedw. (1)
3, 12, 13, 15-17, 19-23, 30, 38, (39), 64,
73, (88).

- 14 **tauricum** Sapehin (1)
6, 7, 9, 13–24, 29, 32–34, 36–41, 47, 50,
53, 55, 57, 58, 60–68, 76, 78, 83–86, 95,
96, 106.
33. **Dicranodontium** Br. Eur.
 - 1 **uncinatum** (Harv.) Jaeg.
69, 70, 73, 86–89, (90), 92, 94, 96–99,
102, 104–108, 110. H2, 16, 27.
 - 2 **asperulum** (Mitt.) Broth.
80, 86–88, 90, 92, 94, 96–99, 102,
105–108. H29, 30, 33.
 - 3 **subporodictyon** Broth.
97.
 - 4 **denudatum** (Brid.) Broth.
 - a var. **denudatum**
3, 11, 13, 14, 39–50, 57, 58, (59), 60,
62–67, 69, 70, 72, 73, 78, 80, 83, 86–92,
96–110, 112. H1–3, 6, 12, 14, 16, 20, 21,
27, 28, 30, 33–36, 38–40.
 - b var. **alpinum** (Schimp.) Hagen
48, 49, 59, 60, 64, 65, 69, 70, 72, 75, 78,
86–88, 90, 92, 97, 98, 105, 106, 108. H1,
2, 16, 20, 21, 27, 39, 40.
34. **Campylopus** Brid.
 - 1 **subulatus** Schimp.
2, 4, 11, 14, 17, 36, 41–49, 64, 66, 69,
70, 72, 73, 88–91, 95–101, 103–105,
110, 111. H2, 3, 28, 29, 34–36, 39. C.
 - 2 **schimperi** Milde
86–90, 96–100, 104–106, 108, 110–112.
H1, 2, 20, 35.
 - 3 **schwarzii** Schimp.
46, 48, 49, 69, 70, 73, 86–88, 90,
96–101, 103–110. H1–4, 7, 8, 16, 20, 27,
28, 30, 34–36.
 - 4 **fragilis** (Brid.) Br. Eur.
1–6, 9–11, 13–16, 23, 25, 27, 29, 31,
33–37, 40–52, 54, 57–60, 62–75, 78, 79,
81–88, 90, 95–112. H1–8, 10, 16, 18, 20,
21, 24, 27–30, 33–35, 37–40. C.

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- 5 **pyriformis** (Schultz) Brid.
 - a var. **pyriformis**
1-112. H1-23, 25-40. C.
 - b var. **azoricus** (Mitt.) Corley
2, 3, 6, 8, 10-12, 16, 17, 22, 28, 30, 38,
40, 46, 49, 54, 58, 61-63, 65, 67, 68, 83,
86, 98, 101, 102, 104, 105, 108, 109.
H20, 27, 35.
 - c var. **fallaciosus** (Thér.) Corley
12, 17, 22.
- 6 **paradoxus** Wils.
1-112. H1-14, 16-40. C.
- 7 **setifolius** Wils. (1)
48, 49, 69, 70, 73, 97, 98, 100, 103-105,
108, 110. H1-3, 15, 16, (20), 27, 28, 34,
35, (38).
- 8 **shawii** Wils. ex Hunt (1)
97, 104, 105, 108, 110. H1-3, 27.
- 9 **atrovirens** De Not.
 - a var. **atrovirens**
1-4, 41-50, 52, 57, 58, 60, 62, 64-67,
69-79, 85-93, 95-112. H1-4, 6-9, 12,
14-17, 20, 21, 24, 26-40.
 - b var. **falcatus** Braithw.
69, 72, 75, 102-105, 108, 110, 112. H1,
3, 16, 27, 35.
 - c var. **gracilis** Dix.
48, 49, 64, 65, 69, 70, 88, 90, 97, (104).
H3.
- 10 **polytrichoides** De Not. (1)
1-3, 45, 48, 49, 104. H1-3, 16, 27. C.
- 11 **introflexus** (Hedw.) Brid. (1)
1-32, 34-52, 54, 56, 58-60, 62-67,
69-75, 77-92, 95-108, 110-112. H1-31,
33-40. C.
- 12 **brevipilus** Br. Eur.
1-15, (16), 17, 22, 24, 25, 27-29, 34, 41,
43, 45, 46, (48), 49, 52, 58, 60, 61, (62,
67), 69-73, 81, 87-93, 96-98, 100,
102-112. H1-3, 5-10, 12, 15-17, 20, 21,
26-29, 31, 33-35, 38, 39. C.

35. **Paraleucobryum** (Limpr.) Loeske
 - †1 **longifolium** (Hedw.) Loeske
(72, 88, 90).
36. **Leucobryum** Brid.
 - 1 **glaucum** (Hedw.) Ångstr. (60)
1-30, 32, 34-112. H1-31, 33-40. C.
 - 2 **juniperoideum** (Brid.) C. Muell. (60)
2, 3, 5, 9, 11, 13, 14, 16-18, 20, 22, 34,
35, 40, 41, 43, 45, 47-49, 59, 70, 86, 97,
99, 101. H2.
37. **Fissidens** Hedw.
 - 1 **exiguus** Sull. (1)
6, 14-16, 38, 42, 70. H10.
 - 2 **viridulus** (Sw.) Wahlenb. (2, 61)
1-11, 13-20, 23, 24, 29-38, 41, 43,
45-51, 53, 54, 57-60, 63-66, 68-70,
80-82, 85, 86, 90, 94, 100, 101, 105. H1,
7, 11, 12, 15, 19, 22, 27, 28, 32, 33, 36,
37, 39.
 - 2A **pusillus** (Wils.) Milde (*F. minutulus* auct.)
(61)
 - a var. **pusillus** (2)
1, 2, 4-12, 14-17, 19, 20, 23, 29, 32-36,
38-46, 49, 51, 57, 59-65, 67-70, 72-80,
82-84, 87, 90, 91, 97-104, 106-109.
H1-9, 15, 16, 20, 27-30, 33, 38, 39.
 - b var. **tenuifolius** (Boul.) Podp. (*F. viri-
dulus* var. *tenuifolius* (Boul.) A. J. E.
Smith)
3, 6-18, 20, 22-24, 28-30, 32-38, 40,
41, 43, 51, 55, 57, 62-65, 68-70, 83, 88,
89, 101. H2, 7-9, 23, 24, 28, 29, 33.
 - 2B **limbatus** Sull. (*F. herzogii* Ruthe ex Herz.)
(2, 61)
1-4, 6, 8, 9, 11, 13, 14, 22, 35, 36,
40-42, 44, 45, 47-49, 57, 59, 60, 69, 71,
73, 83, 84, 98, 101, 103, 104. H1, 3, 21.
C.

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- 3 **incurvus** Starke ex Roehl. (1)
1-27, 29-41, 43-45, 47, 49-58, (59),
60-66, 68-71, 75, 77, (80), 81-85, 90,
91, 100. H5, 9, 11, 21, 24, 29, 31, 33,
37-39. C.
- 4 **bryoides** Hedw.
1-112. H1-14, 16, 19-25, 27-40. C.
- 5 **curnovii** Mitt.
1-6, 35, 42-50, 59, 60, (64), 68-71, 86,
88, 97-105, 110, 112. H1-3, 5-7, (12),
16, 20, 27, 34, 38. C.
- 6 **rivularis** (Spruce) Br. Eur. (1)
1-5, 9, 14, 34, 35, 42, 43. C.
- 7 **monguillonii** Thér. (1)
3-5, 45, 49. H33.
- 8 **crassipes** Wils. ex Br. Eur. (1)
1-17, 19-30, 32-38, 40, 41, 43, 47-51,
53-55, 57-60, 62-69, 71, 72, 77, 78,
81-84, 86, 88, 91, 98, 104. H5, 8-11, 13,
14, 16, 17, 19, 22, 28, 29, 31, 33, 36-38,
40.
- 9 **rufulus** Br. Eur. (1)
35, 37, 41-44, 48, 49, 60, 62, 64, 65, 69,
70, 72, 79, 80, 89, 90. H6, 19, 20, 33, 34,
38.
- 10 **algarvicus** Solms (1)
1-3, 33, 43, 45, 48, 49. H1.
- 11 **exilis** Hedw. (1)
1-25, 29-45, 47-51, 53-72, 77-79,
81-84, 86, 88-90, 95, 99, 103, 109. H1,
8, 19-22, 32, 38-40. C.
- 12 **celticus** Paton
1-6, 10, 13-17, 34, 42, 44-50, 52, 69,
71, 73, 74, 97-99, 101-104. H1, 3, 5, 7,
8, 10, 16, 27.
- 13 **osmundoides** Hedw.
1-3, 5, 11, 35, 40-52, 57-60, 62-78,
80-83, 85-92, 94-112. H1-4, 6, 7, 9, 10,
12, 14, 16, 18-21, 24, 25, 27-40.

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- 14 **taxifolius** Hedw.
 - a ssp. **taxifolius**
1–112. H1–40. C.
 - b ssp. **pallidicaulis** (Mitt.) Moenk.
9, 44, 49, 97, 98, 101–103, 112. H1, 7, 16.
- 15 **cristatus** Wils. ex Mitt.
1–11, 13–20, 22–24, 26–30, 32–55, 57–83, 86–112. H1–23, 25–40. C.
- 16 **adianthoides** Hedw.
1–20, (21), 22–30, 32–112. H1–40. C.
- 17 **serrulatus** Brid. (1)
1, 3, 48. H27.
- 18 **polyphyllus** Wils. ex Br. Eur. (1)
1–3, 47–49, 98, 101, 102. H1–4, 6, 20, 28.
38. **Octodiceras** Brid.
 - 1 **fontanum** (La Pyl.) Lindb. (1)
19, 20, (21), 22–24, 32, (33, 34), 35, (37), 38, 39, (40), 55, (58, 59), 63, 64. H29.
39. **Encalypta** Hedw.
 - 1 **alpina** Sm. (1)
49, 64, 88–90, 96–98, 108. H28.
 - 2 **vulgaris** Hedw. (1)
1–10, 12–17, 19, (20, 21), 22–42, 44–47, 49–57, 59–70, 76, 77, 79–92, 94–96, 100, 106, 108, 110. H1, 2, 4–7, 9, 11, 13–16, 18–24, 27, 32, 33, 35, 37, 39, 40.
 - 3 **ciliata** Hedw.
36, 42–44, 48, 49, 64–66, 68–70, 72, 75, 78, 80, 82, 83, 85–92, 94–101, 104–109. H8, 27, 39, 40.
 - 4 **rhaptocarpa** Schwaegr. (1)
(49), 64–66, 69, 82, 85, 87–90, 92, 94, 96–98, 104, 105, 107–110, 112. H9, 27–29.
 - †4A **brevicollis** (Br. Eur.) Ångstr. (62)
(90).
 - 5 **streptocarpa** Hedw. (1)
1–17, 20, 22–24, 28–92, 94–111. H1–40.

40. **Tortula** Hedw.

- 1 **ruralis** (Hedw.) Gaertn.
 - a ssp. **ruralis**
1-73, 75-83, 85-96, 98, 100, 101, 103,
104, 106, 108, 109, 111. H1, 4-11,
13-22, 24, 25, 27-31, 33-35, 37-40. C.
 - b ssp. **ruraliformis** (Besch.) Dix. (1)
1-6, 8-11, 13-17, 19, 20, 22, 23, 25-29,
34, 37, 40, 41, 44-56, 58-62, 66-71,
73-75, 81-86, 90-112. H1, 2, 5, 6, 9, 12,
16, 19-22, 27, 28, 31, 33-35, 37-40. C.
- 2 **norvegica** (Web.) Wahlenb. ex Lindb.
88, 92, 97.
- 3 **intermedia** (Brid.) De Not.
1-73, 75, 77-79, 81-91, 93-95, 98,
100-104, 107-109, 112. H3-9, 12-19,
21-26, 28, 29, 31-35, 38, 39. C.
- 4 **princeps** De Not.
40, 49, 57, (65), 72, 75-77, 81, 83,
85-92, 96, 98, 99, 101, 106, 108. H28,
39, 40.
- 5 **virescens** (De Not.) De Not.
19, 20, 23, 28, 29, 32, 36, 65, 81, 88-91,
94, 103, 106.
- 6 **laevipila** (Brid.) Schwaegr. (1)
 - a var. **laevipila**
1-62, (63), 64-83, 85-91, 94, 95,
97-104, 106, 107, 109, 110. H1-12, 14,
15, 18-23, 25, 28-40. C.
 - b var. **laevipiliformis** (De Not.) Limpr.
1-12, 14-17, 22-25, 27, 28, 30, 33, 34,
36-38, 41, 43, 45, 47, 48, 50, 51, 54, 71,
75, 80, 86, 98. H12, 14, 18, 22, 25, 30,
33, 35.
- 7 **canescens** Mont.
1-4, (14), 43, 45, 47, 48, 101. C.
- 8 **muralis** Hedw.
 - a var. **muralis**
1-112. H1-40. C.
 - b var. **aestiva** Hedw.
3, 5, 6, 9, 12-14, 16, 17, 19, 21-25, 27,
30, 32-34, 36-39, 50, 53, 55-58, 63-65,
68, 74, 81. H38.

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- 9 **marginata** (Br. Eur.) Spruce (1)
2, 3, 5-27, 29, 32-40, 50, 55-58, (59),
61-66, 98, 99. H15, 17, 23, 29, 36, 38,
39. C.
- 10 **subulata** Hedw.
 - a var. **subulata**
(1), 3-20, (21), 22-30, 32-112. H1, 3-5,
8, 9, 11-14, 16, 20-22, 25, 27-40.
 - b var. **angustata** (Schimp.) Limpr.
3, 7, 11, 12, 19, (20), 22, 24, 32, 34-37,
54, 55, 57-59, 61, 62, 64-68, 81-83,
111, 112. H38.
 - c var. **subinermis** (Brid.) Wils.
6-9, 13, 22, 34-36, 42, 43, 47, 50,
57-68, 75, 85, 86, 88. H29.
 - d var. **graeffii** Warnst.
6, 35, 40-42, 44, 57, 64, 65, 69, 70, 72,
78, 80, 86, 89-92, 94, 96-99, 105, 106,
108, 112. H23, 30.
- 11 **papillosa** Wils. (1)
1-9, 11-17, (19-21), 22-29, (30), 32-34,
36-40, 43, 46-51, 53-56, 60-62, 64-66,
68-75, 77-83, 85-92, 94-101, 103, 105,
106. H1, 8-12, 15, 20-22, 29, 31, 34, 36,
38-40. C.
- 12 **latifolia** Bruch ex Hartm. (1)
2-44, 46-51, 53-55, 57-70, 75-77,
79-91, 94. H4, 6-8, 12, 14, 20-22, 36,
38-40.
- 13 **vahlia** (Schultz) Mont. (1)
3-5, 7-9, 13, 16, (17), 19, 20, 29, 33, 34,
36, 41, 54. H21, 39.
- 14 **cuneifolia** (With.) Turn.
1-6, 13, 14, (15, 17, 19, 22), 25, 36, 37,
39, 45, 48, (52). H1, 3-5, 8, 12, 14, 21,
38. C.
- 15 **freibergii** Dix. & Loeske
14.
- 16 **amplexa** (Lesq.) Steere
55.
- 17 **rhizophylla** (Sak.) Iwats. & Saito
10.

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41. **Aloina** (C. Muell.) Kindb.

- 1 **brevirostris** (Hook. & Grev.) Kindb.
9, 11, 17, 19, 20, 22, 29, (57), 58, 61, 63,
64.
- 2 **rigida** (Hedw.) Limpr. (3)
8, 11, (13), 14, (16), 17, 20, 22-24, (26),
29, (32), 33, (34, 35, 37, 48, 50), 54, 55,
(57-59), 61, (62), 63, 64, (69, 77, 82, 83,
85), 89, 96, 99, 106. H19, (21, 38, 39).
- 3 **aloides** (Schultz) Kindb.
 - a var. **aloides**
1-11, 13-30, 32-45, 47-72, 75-77,
80-87, 90, 94, 95, 98, 100, 101, 106. H1,
2, 5-9, 11-24, 27-33, 36-40. C.
 - b var. **ambigua** (Br. Eur.) Craig (3)
1-3, 5, 6, (7), 9, 11, 12, (13), 14, 15,
17-23, 25, 26, (27), 28, 29, (32-36, 40,
41), 48-50, (52), 54, (57-60, 62), 63, 64,
66, (68, 69). H(2), 5, 6, 9, (21, 31, 39).
C.

42. **Desmatodon** Brid.

- 1 **cernuus** (Hueb.) Br. Eur.
56, 58, 63, 64.
- 2 **convolutus** (Brid.) Grout
1-5, 9, 10, 13-15, 36, (38), 41, 44-46,
48, 49, 52, 57, 68, 71, 73, 81, 82, 85, 90,
91, 94, 99, 106. H1, 3-5, 12, 16, 20, 21,
38, 39. C.
- 3 **leucostoma** (R. Br.) Berggr.
89, (90), 92.

43. **Pterygoneurum** Jur.

- 1 **ovatum** (Hedw.) Dix. (1)
3, 5, 6, 9, 10, 12-20, 22-34, 36-38, 40,
45, (50, 52), 53-58, (59, 61-64), 66-68,
70, 72, 77, 79, 81-83, 85, 90, 92, 94-96,
106. H4, 21.
- 2 **lamellatum** (Lindb.) Jur.
(3, 6, 13, 16, 23, 24), 28, 29, (32, 33, 37,
55, 57, 62-64, 86). H(21, 38).

44. **Stegonia** Vent.

- 1 **latifolia** (Schwaegr.) Vent.
88, 89, (90), 92, 94.

45. **Pottia** Fuernr.

- 1 **caespitosa** (Bruch ex Brid.) C. Muell.
1, 6, 8, 9, 11, 13–16, (17), 22–24, 29, 36.
- 2 **starkeana** (Hedw.) C. Muell.
a ssp. **starkeana** var. **starkeana** (4)
1–4, 6, 9, 10, 12–17, 23, 27, 32–34, 37,
40, 41, 45, 47, 49, 51, 52, 56, 59, 68, 69,
(90), 101. H4, 5, 21, 33, 38, 39. C.
b ssp. **starkeana** var. **brachyodus**
C. Muell.
1, 2, (3), 4, 6, 9, 10, (14, 16), 17, (19),
41, 45, (52), 67, (90). H(5, 21). C.
c ssp. **conica** (Schleich. ex Schwaegr.)
Chamberlain (3)
1–4, 6, 7, 9–11, 13–17, 20, 22–24, 27,
29, 30, 33, 35–38, 40, 41, 44–47, 49–52,
54–60, 62–64, 66, 67, 75, 77, 81, 83–86,
90, 101. H1, 2, 5, 11, 19, 21, 28, 31, 33,
39, 40. C.
d ssp. **minutula** (Schleich. ex Schwaegr.)
Chamberlain
6–11, 13, 17, 19, 20, (21), 22, 23, (28),
29, 33, 38, 53, 57, (58), 60–65, 67, 111.
H(15, 21), 22, (40).
- 3 **commutata** Limpr.
1, 3, 4, 9, 10, 14, (17), 49.
- 4 **wilsonii** (Hook.) Br. Eur.
1–4, (5), 6, 9, 11, 13, 14, (19), 27, 40, 44,
45, 48, (49, 50, 52), 58, (59). H3, 5, 20,
21. C.
- 5 **crinita** Wils. ex Br. Eur.
1–6, 9–11, 13, 14, 25, 26, 41, 44–49, 52,
58, 68, 71, 73–75, 77, 81, 82, 85, 90–94,
101, 106, 108, 109, 112. H1–5, 12, 21,
35, 38–40. C.
- 6 **lanceolata** (Hedw.) C. Muell. (1)
1, (2), 3–17, 19–30, 32–41, 44, 47,
49–58, 60–69, 75, 80–85, 89, 90, 92, 94,
95, 99, 100, 106, 109. H4–6, 19, 21, 22.

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- 7 **intermedia** (Turn.) Fuernr.
(1), 2-17, (18), 19-30, 32-42, 44-46,
49-52, 54-64, 66-71, 73, 75, 76, 78, 79,
81-83, 85, 88-92, 95, 99, 101, 104-106.
H1, 4, 13, 15, 16, 18, 20, 21, 26, 27, 31,
33, 37-39. C.
 - 8 **truncata** (Hedw.) Fuernr.
1-92, 94-99, 101-109, 111, 112. H1,
3-10, 12-16, 19-40. C.
 - 9 **heimii** (Hedw.) Fuernr. (1)
1-6, 9-11, 13-17, (18), 19-21, 25-29,
(32), 34, 35, 37, 38, 41, 44-46, 48, 49,
(50), 52-54, 56, 58-62, (63), 64-76,
81-86, 90-112. H2-6, 9, 12, 16, 20, 21,
27-29, 31, 34, 35, 38-40. C.
 - 10 **bryoides** (Dicks.) Mitt. (1)
3-11, 13, 14, 16, 17, 19, 20, 22, 23,
25-29, 31-34, 36, 39-41, 45, 47, 49,
(50), 52-57, 60-64, 66-70, 82, 85, 90,
109. H21, 39.
 - 11 **recta** (With.) Mitt. (1)
1-17, 19, 20, 22-24, 26-30, 32-34, 36,
37, 40, 41, 45-47, 49-57, (59), 60, 61,
63-66, 69, 71, 75, 81, (83), 101, 111.
H1, 4, 5, 7, 8, 11, 16, 20-23, 28, 31, 34.
C.
46. **Phascum** Hedw.
- 1 **cuspidatum** Hedw.
 - a var. **cuspidatum**
1-73, 75, 77, 78, 80-86, 88-93, 95, 96,
99-101, 106, 109-111. H1, 3-9, 11, 12,
14-18, 20-24, 26, 28, 29, 31-35, 37-40.
C.
 - b var. **piliferum** (Hedw.) Hook. & Tayl.
1-3, 5, 9, 10, 13-16, 18, 19, 25, 29, 41,
67, 68, 81, 82, (83), 84, 85, 89-91. C.
 - c var. **schreberanum** (Dicks.) Brid.
6, (17), 20, (29), 40, 61, 62, 66.
 - 2 **curvicolle** Hedw.
1, 3-6, 8-17, 19, 20, 22-24, 26-30,
32-34, 36-38, 40, 49, (50), 52-54, 56,
57, 61, 63-66, 68, 69, 81, 90, 94, 106.
H16, 21.

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- 3 **floerkeanum** Web. & Mohr
5, 7-17, 19, 20, 22-24, 27, 29, 30, 33,
34, (49), 58, 61, 62, (63), 66.
47. **Acaulon** C. Muell.
 - 1 **muticum** (Brid.) C. Muell. (*A. minus*
(Hook. & Tayl.) Jaeg.) (1, 63)
1-17, (18), 19-27, 29-41, 43, 45, 46,
(48, 50), 52, 54-62, (63), 64-69, 71-73,
77, (80), 81, (83), 85, 87-92, 95, 100,
106. H1, 4, 21, 34, 35, 39, 40. C.
 - 3 **triquetrum** (Spruce) C. Muell.
(3), 9, 10, 14.
48. **Hyophila** Brid.
 - 1 **stanfordensis** (Steere) Smith &
Whitehouse (1)
1, 17, 19, 21, 29, 33-37, 39, 40, 42, 43,
47, 50, 63, 64, 78, 82, 83. H21.
49. **Barbula** Hedw.
 - 1 **convoluta** Hedw.
 - a var. **convoluta**
1-112. H1-40. C.
 - b var. **commutata** (Jur.) Husn.
1-20, 22-25, 27-29, 31-37, (38), 39,
41-50, 55, 57-65, 67-72, 74, 76, 81,
83-91, 98, 99, 101-104, 106, 110.
H1-13, 16, 17, 20, 21, 24, 25, 27-40. C.
 - 2 **unguiculata** Hedw.
1-112. H1-40. C.
 - 3 **hornschuchiana** Schultz (1)
1-41, 43-70, 72-91, 93-112. H1-3, 5,
7-9, 12, 15, 16, 19-23, 26-28, 30, 33,
35-40. C.
 - 4 **revoluta** Brid.
1-91, 94-111. H1-14, 16-40. C.
 - 5 **acuta** (Brid.) Brid.
1, 4, 6-9, 13, 14, 16, 17, 20, 22, 23, 25,
29, 33, 34, 36, 37, 40, 41, 43, 45, 47, 49,
50, 52-54, 56-58, 63, 64, 69, 90, 93. H6,
8, 9, 18, 26-28, 31, 38. C.

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- 6 **icmadophila** Schimp. ex C. Muell.
70, 88, 89, 94, 104.
- 7 **fallax** Hedw.
1-73, 75-112. H1-40. C.
- 8 **reflexa** (Brid.) Brid. (1)
1, 3, 6, 12-15, 17, 20, 22-24, 27, 28, 30,
32-36, 38-43, 45, 46, 48, 50-53, 56, 57,
(59), 60, 62, (63), 64-70, 72, 75, 82,
86-89, 91, 92, 94, 95, 97, 98, 101, 103,
105-111. H1-3, 9, 11, 12, 15, 16, 19,
21-23, 25-29, 32-35, 38-40.
- 9 **maxima** Syed & Crundw.
H28, 29.
- 10 **spadicea** (Mitt.) Braithw.
3, 6, 12, 14, 16, 33-37, (38), 39-45, 47,
50, (52, 55), 57, 59, 60, 62-73, 75-95,
97-106, 108-112. H1, 4-7, 9-11, 14, 19,
20, 23, 25, 27-33, 35, 36, 38-40.
- 11 **glauca** (Ryan) Moell.
7, (13, 65).
- 13 **mamillosa** Crundw.
87.
- 14 **rigidula** (Hedw.) Mitt.
1-112. H1-6, 8-30, 32-40. C.
- 15 **nicholsonii** Culm.
2, 3, 5, 11, 13, 17, 20-25, 29, 32, 34-38,
42, 62, 64, 67, 68, 80, 81, 100. H2, 5, 12.
- 16 **trifaria** (Hedw.) Mitt.
1-26, 28-30, 32-42, 44, 45, 47-50,
52-57, (59), 60-72, 74, 78, 80-85, 94.
H1, 2, 4-6, 8, 12, 13, 17, 18, 21-23, 26,
29, 31, 33-35, 38, 39. C.
- 17 **cordata** (Jur.) Braithw.
4.
- 18 **tophacea** (Brid.) Mitt.
1-11, 13-42, 44-91, 93-112. H1-6,
8-10, 12, 14-23, 25-29, 31-40. C.
- 19 **vinealis** Brid. (1)
1-40, 45-55, 57-69, 72, 73, 78, 80-86,
88, 92, 96, 97, 99-101, 106, 108, 110.
H4-6, 11, 12, 14, 18-21, 24, 27, 28, 33,
34, 36-39. C.

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- 20 **cylindrica** (Tayl.) Schimp.
1-25, 29-112. H1-14, 16-40. C.
 - 21 **recurvirostra** (Hedw.) Dix.
1-112. H1-14, 16-40. C.
 - 22 **ferruginascens** Stirt.
5, 36, 39, 41-44, 47-50, 59, 64-67, 69,
70, 72, 75, 78, 86-92, 96-101, 104-106,
108, 110, 111. H1, 7, 9, 10, 14, 16,
27-29, 34, 35, 39, 40.
50. **Gymnostomum** Nees & Hornsch.
- 1 **calcareum** Nees & Hornsch. (1, 64)
1-6, 8-10, 15, 33-37, 40-42, 44, 45, 49,
50, 57, 62-66, 69, 73, 95, 97, 98, 101,
102, 104, 105, 108, 112. H4-6, 8, 9, 11,
14, 16, 28, 29, 33-36, 38.
 - 2 **aeruginosum** Sm.
2, 3, 5, 6, 35, 36, 39-45, 47-50, 57-60,
62-92, 94-112. H1-3, 6-9, 16, 20-23,
25-29, 31, 33-36, 38-40.
 - 3 **recurvirostrum** Hedw.
1, 40-42, 44-46, 49-51, 57, 59, 60, 62,
64-72, 76, 77, 81, 82, (83), 84-91,
94-112. H1, 2, 4, 9, 10, 16, 18, 20-23,
26-31, 33-36, 38-40.
 - 4 **insigne** (Dix.) A. J. E. Smith
88, 97, 98, 104, 105, 108. H28, 29.
51. **Gyroweisia** Schimp.
- 1 **tenuis** (Hedw.) Schimp. (1)
1-17, 19-24, 28, 29, 32-42, 45, (49),
50-52, 54, (55), 56-77, 80-86, 88-91,
95-102, 104, 106, 108. H1, 3, 5, 6, 8, 11,
15, 16, 20, 21, 28, 29, 31, 33-36, 38-40.
 - †2 **reflexa** (Brid.) Schimp.
(38).
52. **Anoetangium** Schwaegr.
- 1 **aestivum** (Hedw.) Mitt.
39, 41-44, 46-50, 59, 62, 64-67, 69, 70,
72, 73, 75-81, 83, 85-92, 95-108, 110.
H1-3, 6-9, 16, 20, 27, 28, 31, 33-35, 38,
39.

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- 2 **warburgii** Crundw. & Hill
48, 49, 86-90, 92, 96-101, 103-108,
110, 112.
53. **Eucladium** Br. Eur.
 - 1 **verticillatum** (Brid.) Br. Eur. (1)
1-7, 9-17, (19), 20, 22-24, 27-30,
32-52, (53), 54-91, 93-95, 97-112. H1,
2, 4-24, 26-29, 31-40. C.
54. **Weissia** Hedw.
 - 1 **controversa** Hedw.
 - a var. **controversa**
1-112. H1-9, 11-40. C.
 - b var. **crispata** (Nees & Hornsch.)
Nyholm (3, 65)
(3), 8-10, 17, (33), 40, 49, 50, 52, (60),
64, (69), 80, 81.
 - c var. **densifolia** (Br. Eur.) Wils.
1-6, 36, 46-51, 60, 64-67, 70, 71, 81,
84, 87. H1, 10.
 - 2 **wimmerana** (Sendtn.) Br. Eur.
96.
 - 3 **perssonii** Kindb.
1, 2, 4, 36, 41, 44-46, 48, 49, 71, 73-75,
98, 101, 103-105, 112. H3, 6, 27, 34, 35,
39. C.
 - 4 **rutilans** (Hedw.) Lindb. (1)
1-7, 9, 10, (11), 13-19, (20), 22, 23,
34-43, 45-50, 52, 57, 58, (59), 60-64,
67-69, 71-73, 77, 79, 82, 83, (84), 85,
86, 88, 91, 92, 97, 98, 101, 102, 105,
107-109, 111. H35, 38-40. C.
 - 5 **tortilis** (Schwaegr.) C. Muell. (3)
3, 6, 9-11, 13, (14, 15), 16, 17, (33).
 - 6 **microstoma** (Hedw.) C. Muell.
 - a var. **microstoma**
1-17, 19, 20, (21), 22-30, 32-34, 36-41,
43-46, 48, 49, 51, 52, 54-77, 80-83, 85,
86, 88-92, 96-100, 102-105, 108, 109,
111, 112. H1, 4, 5, 15, 20-24, 26, 28, 31,
34, 35, 37-40. C.

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- b var. **brachycarpa** (Nees & Hornsch.) C. Muell.
1-3, 6, 9-11, 14, 15, 22, 23, 32, 38, 44, 45, 50, 57, 61-64, 82, 83, 98, 109.
 - 7 **squarrosa** (Nees & Hornsch.) C. Muell. (4)
3, 10, 13-17, 22, 24, 31, 32, 35, 37, 38, 45, 55-58, (59), 60, (62), 64, 69, 85.
 - 8 **rostellata** (Brid.) Lindb.
9, 13-15, 17, 22, 23, 29, 36, (38), 52, 55, 57, 58, 63, 64, 67, 83. H39.
 - †9 **mittenii** (Br. Eur.) Mitt.
(13, 14, 17).
 - 10 **multicapsularis** (Sm.) Mitt.
1-3, 13, 14, 16, 23, 58.
 - 11 **sterilis** Nicholson
3, 8-11, 13-17, 20, 22, 24, 29, 30, 33, 37.
 - 12 **longifolia** Mitt. (1)
 - a var. **longifolia**
1-3, 6, 13-20, 22, 23, 29, 31-34, 37, 38, 41, 47, 49, 50, 55, 56, 65, 82, 99.
 - b var. **angustifolia** (Baumg.) Crundw. & Nyholm
1, 3, 5-17, 19-26, 28-34, 36-41, 43, 49, 53-58, 60-67. H11, 19, 21, 23, 35, 38, 39.
 - 13 **levieri** (Limpr.) Kindb.
6, 41.
55. **Oxystegus** (Lindb.) Hilp.
- 1 **sinuosus** (Mitt.) Hilp. (1)
1-30, 32-38, 40, 41, 44-46, 48-53, 55-57, 59-68, 70, 71, 75, 79, 81, 97, 98, 103, 112. H1-3, 6-9, 11, 15-17, 19, 21-23, 25, 28, 30, 32, 33, 35-39. C.
 - 2 **tenuirostris** (Hook. & Tayl.) A. J. E. Smith
 - a var. **tenuirostris**
1-5, 14, 34-36, 39-51, 57, (59), 60, 62-77, 79, 81, 85-91, 94-106, 108, 110. H1-3, 6, 7, 16, 20-22, 26-28, 31, 33-36, 38-40.
 - b var. **holtii** (Braithw.) A. J. E. Smith
48-50, 59, 66, 69-71, 87, 90, 97, 98, 100, 101, 104. H1, 2.

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- 3 **hibernicus** (Mitt.) Hilp. (1)
72, 86, 88, 97–100, 103–106, 110. H1, 2,
(5), 16, 27, 35.
56. **Trichostomum** Hedw.
 - 1 **crispulum** Bruch
1–17, 20, 22–24, 29, 30, 32–53, 55–57,
59–77, 79–83, 85–91, 93–112. H1–12,
14, 16–40. C.
 - 2 **brachydontium** Bruch
1–6, 9–17, 20, 24, 29, 33–37, 39–55,
57–60, 62–76, 78–82, 84–112. H1–3, 5,
6, 8–10, 12, 14–17, 21, 23, 25–31,
33–35, 38–40. C.
57. **Tortella** Limpr.
 - 1 **fragilis** (Hook.f. & Wils.) Limpr.
85, 88, 107, 109, 110.
 - 2 **tortuosa** (Hedw.) Limpr.
2–7, 9, 11, 13, 14, (16), 17, 20, 22–24,
29, 30, 33–37, (38), 39–60, 62–83,
85–112. H1–40. C.
 - 3 **flavovirens** (Bruch) Broth.
 - a var. **flavovirens**
1–6, 9–11, 13–15, 25, 27, 28, 34, 41, 45,
46, 48–50, 52, 54, 59–61, 67, 68, 70, 71,
73–76, 81, 82, 84, 85, 90, 91, 93–95, 97,
98, 100–103, 105, 106, 109–112. H1–3,
5, 6, 8, 9, 12, 16, 17, 21, 27, 28, 34, 35,
37–39. C.
 - b var. **glareicola** (Christens.) Crundw.
& Nyholm
1, 2, 6, 9, 13, 14, 27, 41, 44, 68, 91,
101–103. H9, 20, 31, 35. C.
 - 4 **inclinata** (Hedw.f.) Limpr.
17, (23), 28, 29, 33, 41, 44, 45, 48, 52,
53, 65, 66, 69, 70, 82, 85, 91, 95, 100,
106, 107, 109. H27, 38.
 - †5 **limosella** (Stirt.) Rich. & Wall.
(97).
 - 6 **densa** (Mol.) Crundw. & Nyholm
33, 64–66, 69, 71, 98, 105, 108. H9,
26–28.

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- 7 **inflexa** (Bruch) Broth. (1)
6-17, 20, 23, 24, 29, 30, 33, 34.
- 8 **nitida** (Lindb.) Broth. (1)
1-6, 9, 20, 34-36, 39, 41-45, 48-52, 57,
60, 64, 69, 71, 73, 75, 87, 98, 100-102.
H1-3, 5, 7, 9, 10, 15-17, 22-24, 26, 28.
C.
58. **Pleurochaete** Lindb.
 - 1 **squarrosa** (Brid.) Lindb. (1)
1-6, 8-11, 13-17, 22, (23), 26, 28, 33,
34, 36, 40, 41, 45, 47, 50-52, 57, 60, 64,
69. H9, 20-22. C.
59. **Trichostomopsis** Card.
 - 1 **umbrosa** (C. Muell.) Robins.
10, 11, 14, 15, 17, 20, 21, 24, 29.
60. **Leptodontium** (C. Muell.) Hampe ex Lindb.
 - 1 **flexifolium** (With.) Hampe (1)
1-6, 11-14, 16, 17, 20, (21), 22, 24, 28,
30, 32, 34-41, 43, 45-52, 55, 57-60,
62-84, 86-92, 96-102, 104-106,
108-111. H1, 3, 6, 10, 12, 13, 20, 21,
27-30, 33, 35, 37, 39.
 - 2 **gemmascens** (Mitt. ex Hunt) Braithw.
(3, 5), 10, (11, 13, 14, 16), 17, 20, 21, 23,
24, (33), 36, (90).
 - 3 **recurvifolium** (Tayl.) Lindb. (1)
48, (49), 69, 70, 86-88, 96-98, (99),
104-108, 110. H1-3, 16, 27, 35.
61. **Cinclidotus** P. Beauv.
 - 1 **fontinaloides** (Hedw.) P. Beauv. (1)
1-17, 20-24, 29-52, (54), 55, 57-92,
94-105, 107-112. H1-17, 20-40.
 - 3 **mucronatus** (Brid.) Mach. (1)
2-20, 22-24, 29, 32-45, (49, 52, 54), 59,
64, 66, (80).
62. **Coscinodon** Spreng.
 - 1 **cribrosus** (Hedw.) Spruce (1)
2, 4, 44-50, 62, 69, 70, 72, 73, 83, 88,
94.

63. **Schistidium** Brid.

- 1 **maritimum** (Turn.) Br. Eur. (1)
1–5, 44–46, 48, 49, 52, 58, (59), 60, (62),
66, 68–71, 73–76, 81–85, 90–112. H1,
3–6, 8, 9, 12, 13, 16, 17, 20, 21, 27–29,
31, 34, 35, 38–40. C.
- 2 **alpicola** (Hedw.) Limpr.
 - a var. **alpicola**
36, 42, 43, 48, 57, 60, 63–70, 72, 80, 81,
84, 88–92, 95, 96, 98, 104, 112. H19.
 - b var. **rivulare** (Brid.) Limpr.
2–5, 34–40, 42–52, 55, 57–62, 64–109,
111, 112. H1–7, 16, 20, 21, 28–30, 33,
34, 38–40.
- 3 **agassizii** Sull. & Lesq.
65, 66, 69, 88.
- 4 **apocarpum** (Hedw.) Br. Eur.
 - a var. **apocarpum**
1–112. H1–40. C.
 - b var. **confertum** (Funck) Moell.
3, 43, 47–49, 65, 69, 70, 76, 77, 79, (80,
83), 85, 87–90, 96–99. H26, 31, 32,
38–40.
 - c var. **homodictyon** (Dix.) Crundw. &
Nyholm (1)
69, 88–90, 92, 94, 97, 98, 101, 104, 105,
108.
- 5 **atrofusum** (Schimp.) Limpr.
92, 96.
- 6 **strictum** (Turn.) Loeske
3, 36, 37, 44, 46, 48, 49, 57, 59, 60,
64–66, 68–70, 72, 73, 75, 85–90, 92, 94,
96–101, 103–111. H1–4, 6, 8, 13, 18, 25,
27–30, 35, 39.
- 7 **boreale** Poelt
88, 90, 98.
- 8 **trichodon** (Brid.) Poelt (1)
(49), 64, 66, 69, 70, 87–90, 92, 96–98,
108.

64. **Grimmia** Hedw.

- 1 **anodon** Br. Eur.
69, 83, 98.

- †2 **crinita** Brid.
(38).
- 3 **laevigata** (Brid.) Brid. (1)
1, (2), 3, 4, (7, 14), 15, (16, 22), 34, 36,
(43), 45, (48), 49, 50, (52, 55), 57, 71,
(82), 83, (85, 87–90), 98, (99), 103.
H(3), 5, (39). C.
- 4 **montana** Br. Eur. (1)
3, 35, 40, 43, (48, 49, 65), 70, 72, (73),
82, 86, 90, 92, 98. C.
- 5 **alpestris** (Web. & Mohr) Schleich. ex
Hornsch.
(90), 92, 93.
- 6 **donniana** Sm.
a var. **donniana** (1)
3–6, 35–37, 40–52, 57–60, 63–74,
76–83, 85–101, 103, 104, 108, 110, 112.
H1, 2, 6, 7, 19–21, 27, 31, 34, 37–39.
b var. **curvula** Spruce (1)
48, 49, (50), 70.
- 7 **elongata** Kaulf. (1)
49, 68–70, (90, 92).
- 8 **affinis** Hornsch. (*G. ovalis* auct.) (1)
(3, 4, 39, 48), 49, (55), 66, 68, (69), 83,
(85), 87, 88, (89, 91–93), 97, 98, 101,
102, 104, 105, (108). H1, (4, 38, 39).
- 9 **ovalis** (Hedw.) Lindb. (*G. commutata*
Hueb.) (1)
14, (16, 19), 34–36, 42, 43, 50, 66, 69,
70, 73, 81, (82), 85, 88–90, 98, 107.
- 10 **unicolor** Hook.
90.
- 11 **atrata** Mielichh. (1)
46, 48, 49, 69, 70, 72, 88–90, 92, 96,
101.
- 12 **incurva** Schwaegr. (1)
40, 49, 68–70, 73, 89–92, 94, 98.
- 13 **pulvinata** (Hedw.) Sm.
a var. **pulvinata**
1–112. H1–40. C.
b var. **africana** (Hedw.) Hook.f.
5, 13, (16), 34, 37, 39, 40, 48, 49, 57.

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- 14 **orbicularis** Bruch ex Wils. (1)
(3), 4, 6, (9, 13, 14), 16, 22, 23, 33, 34,
36, (37, 40), 41, (43, 48), 49–52, 57,
(60), 64, (65), 67, 69, (82, 83, 85, 88,
89), 101, 102, 104, 108. H4, 5, (21, 38).
- 15 **torquata** Hornsch. (1)
42, 44, 48–50, 64–66, 68–70, 72, 73, 75,
78, 86–90, 92, 95–101, 103–108. H1, 2,
6, 7, 20, 27.
- 16 **funalis** (Schwaegr.) Br. Eur. (1)
47–49, 64, (65), 66, 69, 70, 72, 73, 75,
77, 78, 85–90, 92, 94, 96–101, 103–110.
H1, 4, 7, 16, 20, 27, 34, 35, 38–40.
- 17 **trichophylla** Grev.
 - a var. **trichophylla**
1–9, 11–14, 16, 17, 22, 29, 34–52, 54,
55, 57, 58, (59), 60–112. H1–4, 6, 8, 9,
13, 14, 16, 18–22, 26–32, 34–40. C.
 - b var. **subsquarrosa** (Wils.) A. J. E. Smith
1–4, 7, 36, 43, 46, 48, 49, 52, (55), 58,
64, 70, 75, 77, 82–86, 88, 89, 98, 99,
101. H1, 8, 11. C.
 - c var. **stirtonii** (Schimp.) Moell.
1, 4, 5, 7, 13, 34, 36, 37, 43–45, 47–50,
52, 57, 58, 60, 64, 68–70, 73, 75, 77, 78,
80–83, 85, 87, 88, 90, 96, 98, 100, 101,
111, 112. H12, 19, 21, 38, 39.
 - d var. **tenuis** (Wahlenb.) Wijk & Marg.
77, 92, 96–98, 101, 103, 107.
 - e var. **robusta** (Ferg.) A. J. E. Smith
1, 3, (48), 49, 69, 70, 73, 86, 88–90, 92,
96–99, 101–105, 108. H1–3, 16, 21, 35,
38–40.
- 18 **hartmanii** Schimp. (1)
3, 34, 36, 42, 43, 45, 47–50, 52, 64,
66–70, 72–75, 81, 86–93, 95–99,
101–108, 110. H2, 3, 7, 16, 20, 26, 29,
31, 34, 35, 38–40.
- 19 **retracta** Stirt. (1)
36, 42, 43, 47–50, 64, 69, 70, 73, 81, 86,
88, 99, 101, 102, 105, 110. H1–3, 16, 33,
35.

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- 20 **decipiens** (Schultz) Lindb.
1, (2), 3, 4, 7, 13, 14, 22, 35, 36, 43–45,
(47), 48, 49, 52, (55, 62), 66, 68–70, 73,
79, (80), 82, 85–90, 92, 94, 96–98,
101–105, 108–110. H6, 16, 20, 21, 31,
38, 39. C.
- †21 **elator** Bruch ex Bals. & De Not.
(90, 92).
65. **Dryptodon** Brid.
- 1 **patens** (Hedw.) Brid. (1)
2, 3, 44, 48, 49, (57, 65), 68–73, 75, 78,
80, (82), 86–88, 90–92, 94–99, 101–110,
112. H1, 3, 6, 7, 16, 20, 21, 27, 31,
33–35, 38–40.
66. **Racomitrium** Brid.
- 1 **ellipticum** (Turn.) Br. Eur. (1)
48, 49, (65), 69, 70, 72, 73, 75, 86, 88,
90, 92, 94, 96–99, 101, 103–108, 110,
112. H1, 3, 4, 16, 20, 27, 31, 34, 35,
38–40.
- 2 **aciculare** (Hedw.) Brid.
1–6, 13, 14, (16), 17, 34–52, 55, 57–60,
62–112. H1–4, 6–16, 18, 20–22, 25–40.
- 3 **aquaticum** (Schrad.) Brid.
1–6, 35, (37), 40–50, 52, (55, 59), 60,
64–79, 82, 85–92, 95–112. H1–8, 11–13,
16, 18, 20, 21, 24–40.
- 4 **fasciculare** (Hedw.) Brid.
1–6, 12, 14, 16, 17, 20, 22, 24, 30,
32–52, 55, 57–60, 62–112. H1–4, 6–8,
10–16, 19–22, 24–40.
- 5 **heterostichum** (Hedw.) Brid.
1–6, 9, 11–17, 22, 24, 29, 30, 32, 34–52,
55–60, 62–112. H1–9, 11–17, 19–22,
24–40. C.
- 6 **affine** (Web. & Mohr) Lindb. (3, 66)
4, 40–42, 44, 46–50, 60, 64, 65, 68–73,
85–90, 92, 94, 96–101, 105–111. H3, 6,
27, 35, 38, 39.
- 7 **microcarpon** (Hedw.) Brid. (1)
88, 96, 97, (98, 104), 105, 109, 110. H1.

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- 8 **lanuginosum** (Hedw.) Brid.
1-6, 9, 11-14, 16, 17, 20, 22-24, 27, 29,
30, 32-52, 55, 57-112. H1-17, 19-40.
- 9 **canescens** (Hedw.) Brid.
 - a var. **canescens**
6, 9, (14), 17, 23, 26, 28, 30, 36, (37), 41,
47, 52, (54), 66, 69, 82, (85), 90. H21,
22, 38. C.
 - b var. **ericoides** (Hedw.) Hampe
1-3, 5, 6, (9), 11-14, 16, 17, (20), 25-29,
33-35, 37, 38, 40-45, 47-49, 52, (54,
55), 56-112. H1-8, 11-16, 18-21,
26-40.
67. **Ptychomitrium** Fuernr.
 - 1 **polyphyllum** (Sw.) Br. Eur.
1-6, 13, (32), 33-50, 52, 55, 57-60,
62-112. H1-22, 25-40. C.
68. **Glyphomitrium** Brid.
 - 1 **daviesii** (With.) Brid. (1)
(2, 3, 48, 49, 52, 69), 70, 86, 97, (98), 99,
100, 103-105, 108, 110. H1-3, 16, 35,
38-40.
69. **Campylostelium** Br. Eur.
 - 1 **saxicola** (Web. & Mohr) Br. Eur.
3, 12-16, 36, 42, 46, 48, 49, 57, 58, (59),
60, 62, 64, 65, 67-70, 77, 80, 86, 99,
103, 104. H1, 2, 20, 21, 28, 29, 40.
70. **Discelium** Brid.
 - 1 **nudum** (Dicks.) Brid. (1)
2, 3, 14, 15, 32, 37, 39, 40, 47, 49,
57-60, 62-67, 69, 70, 75, (77, 82), 88,
106. H30.
71. **Funaria** Hedw.
 - 1 **hygrometrica** Hedw.
1-112. H1-40. C.
 - 2 **muhlenbergii** Turn. (67)
3, 6, 9, 34, 36, 41, 42, 47, 50, 57, 60, 62,
64, 69, 88. H4, 5.

- 3 **pulchella** Philib.
2, 3, 6, 9, 13, 34, 41, 47, 49, 51, 52, 60, 94.
 - 4 **attenuata** (Dicks.) Lindb.
1-5, 42-50, 52, 58, (59), 60, (62, 63), 64-76, 79, (83), 86-88, (91), 96-112. H1-9, 12, 16, 20, 21, 25, 27-29, 31, 33-36, 38-40. C.
 - 5 **fascicularis** (Hedw.) Lindb. (4)
1-20, 22-28, 31-52, 55-60, (61, 62, 64), 66, 67, 69-77, 81, (83), 85-92. H1-5, 8, 16, 19-21, 27, 31, 36, 38-40. C.
 - 6 **obtusa** (Hedw.) Lindb.
1-5, 7, 9-17, (20), 24, 27, 34, 36, 37, 40-52, 58, (59), 60, (61), 62-75, 77-81, 83, 85-93, 95-112. H1-7, 9, 10, 12-16, 20, 21, 25-31, 33-40. C.
72. **Physcomitrium** (Brid.) Brid.
- 1 **pyriforme** (Hedw.) Brid.
1-41, 43-77, 79-83, (84), 85-92, 94, 95, 97-99, 101-103, 108-110, 112. H1-5, 8, 9, 11, 13, 18-24, 28, 30, 33, 34, 36-40. C.
 - 2 **eurystomum** Sendtn. (1)
20, 28.
 - 3 **sphaericum** (Hedw.) Brid. (1)
14, (17), 39, 57, 58, 63, 64, 76, 83, 85, 86, 99.
73. **Physcomitrella** Br. Eur.
- 1 **patens** (Hedw.) Br. Eur. (1)
1-9, 11-20, (21), 22-29, (30), 31-34, 36-41, 50-52, 54-68, 76, 79, 82, 83, (84), 99. H4, 8, 9, 14, 15, 17, 21, 22, 24, (39).
74. **Micromitrium** Aust.
- 1 **tenerum** (Bruch) Crosby
13, 14, 16, 17, 52.

75. **Ephemerum** Hampe

- 1 **recurvifolium** (Dicks.) Boul.
3, 5-7, 9-11, 13-17, 19, 20, 22-25,
28-30, 32-34, 37, 38, 49, 54, 55, 58, 66.
- 2 **sessile** (Br. Eur.) C. Muell.
1-3, 5-7, 10, 12-14, 16, 23, 42, 58, 64,
67. H16, 35.
- 3 **cohaerens** (Hedw.) Hampe
13, 20, 55. H15.
- 4 **stellatum** Philib.
14, 16. H1.
- 5 **serratum** (Hedw.) Hampe
 - a var. **serratum**
1, 2, 4-6, 11, 12, 14, 17, 20, 22-24, 36,
40, 42, 43, 46, 49, 52, 57, 58, 62-64,
67-69, 73, 75, 76, 78, 80-83, 86, 90, 91,
95-101, 104, 105, 109, 112. H1, 3, 12,
13, 20, 34, 35.
 - †b var. **praecox** Walth. & Mol.
(13).
 - c var. **minutissimum** (Lindb.) Grout
1-17, 19, 20, 22-29, 31-37, 39-45,
47-52, 55-61, 63-65, 67, 70, 73-76, 78,
80, 81, 83, 87, 89-91, 98, 99, 101, 106,
107, 109, 112. H4-7, 10, 11, 14, 22, 31,
33, 34, 36-40.

76. **Oedipodium** Schwaegr.

- 1 **griffithianum** (Dicks.) Schwaegr. (1)
42, 44, 47-50, (64), 65, 68-70, 72, 73,
78, (80), 86-92, 96-100, 103-105. H1,
35.

77. **Tayloria** Hook.

- 1 **lingulata** (Dicks.) Lindb. (1)
(86), 88, (90), 92, (98).
- 2 **longicollis** (Dicks.) Dix. (1)
(87, 88, 90-92, 96, 105), 109. H(40).

78. **Tetraplodon** Br. Eur.

- 1 **angustatus** (Hedw.) Br. Eur.
(49), 88-90, 92, 94, 96, 97, 104-106,
108.

- 2 **nnioides** (Hedw.) Br. Eur.
3, 4, 17, 40–43, 46, 48, 49, 52, (54, 57),
58, (59), 60–70, 72, 73, 75–83, 85–111.
H1–3, 7, 14, 16, 19, 20, 24, 25, 27–30,
33, 35, 36, 38–40.
79. **Aplodon** R. Br.
 - 1 **wormskjoldii** (Horn.) R. Br.
66, 69, 70, (88), 96.
80. **Splachnum** Hedw.
 - 1 **sphaericum** Hedw.
3, 4, 35, 36, 42–44, 47–50, 57–60,
62–73, 75–81, 83–92, 94–112. H1, 3, 7,
9, 11, 16, 20, 21, 26–30, 33–36, 38–40.
 - 2 **ampullaceum** Hedw.
2–4, (5), 9, 11, 12, 14, (15–17, 22, 23),
25–28, (29–32), 35, 38–46, 48–50, (52,
55), 56, 58–60, 62–70, 72–75, 77, 78,
80–83, 85–92, 95–106, 108–110. H1–3,
7, 9, 12, 14–17, 19–25, 27–29, 33–40.
 - 3 **vasculosum** Hedw. (1)
(65), 68, 69, 72, 78, 87–90, 92, 93, 95,
96, 106, 107.
81. **Schistostega** Mohr
 - 1 **pennata** (Hedw.) Web. & Mohr
1–5, 9, 13, 17, 28, 32, 34, 36–40, 42–50,
55–59, 62–65, 68–70, 76, 85, 86, 88, 97.
C.
82. **Mielichhoferia** Hornsch.
 - 1 **elongata** (Hoppe & Hornsch. ex Hook.)
Hornsch. (1)
62, 92.
 - 2 **mielichhoferi** (Hook.) Wijk & Marg. (1)
92.
83. **Orthodontium** Schwaegr.
 - 1 **lineare** Schwaegr. (1)
1–3, 5–91, 95, 97–99. H5, 21, 36, 37, 39.
C.

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- 2 **gracile** Schwaegr. ex Br. Eur. (1)
3, 14, (39, 50, 51), 55, 57, (58), 64, (68),
70, (75, 77), 83, (86).
84. **Leptobryum** (Br. Eur.) Wils.
- 1 **pyriforme** (Hedw.) Wils. (1)
1-11, 13-42, 45, 46, 48-80, 82-86,
88-93, 95, 97-99, 101-110. H3, 4, 7-9,
14, 21-23, 26, 27, 29, 31, 33, 34, 38-40.
C.
85. **Pohlia** Hedw.
- 1 **elongata** Hedw.
 - a ssp. **elongata** var. **elongata**
2, 4, 5, (11), 35, 40-44, 46-50, (59), 60,
64-70, 72, 73, 75, 78, 86-90, 92,
96-101, 103-108, 110. H1-3, 6-8, 16,
20, 35, 38, 40.
 - b ssp. **elongata** var. **acuminata** (Hoppe
& Hornsch.) Hueb.
46, 49, 69, 70, 86, 88-90, 92, 98, 101,
105, 106, 108. H1, 2, 7.
 - c ssp. **polymorpha** (Hoppe & Hornsch.)
Nyholm
49, 69, 70, 73, 86-90, 92, 96-100,
104-108. H1, 7, 16.
 - 2 **crudoides** (Sull. & Lesq.) Broth.
96.
 - 3 **cruda** (Hedw.) Lindb.
3, 4, 35, 36, 40, 42-44, 46-50, 57, 59,
60, 62-70, 72, 73, 75-101, 103-110,
112. H1, 7, 8, 10, 16, 20, 21, 29, 34,
38-40.
 - 4 **nutans** (Hedw.) Lindb.
1-112. H1-25, 27-40.
 - 5 **obtusifolia** (Brid.) L. Koch
88, 96, 100, 105.
 - 6 **drummondii** (C. Muell.) Andrews (3)
1, 2, (7), 11, 13, 22, 42, 48, 49, (57), 59,
62-64, 67-69, 73, 75, 78, 79, 82, 83,
(84), 86-90, 92, 95-99, 105, 106, 108,
112. H2, 16, 27, 28, 34, 35.

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- 7 **filum** (Schimp.) Mårt.
17, 44, (60), 73, 74, 83, 85–90, 92–99,
105, 106, 108, 112. H6, 36.
- 8 **rothii** (Correns ex Limpr.) Broth. (3)
1, 2. H3, 6.
- 9 **bulbifera** (Warnst.) Warnst.
2, 38, 42, 44, 47–50, 57–59, 63, 64,
67–69, 73–75, 77–79, 81–84, 87–90, 92,
94–99, 101, 104–108, 111. H1, 3, 4, 16,
27, 28, 33–36, 39.
- 10 **proligera** (Kindb. ex Breidl.) Lindb. ex
Arnell (68)
1–11, 13–25, 27, 30, 32, 34–52, 54–112.
H1–10, 12–14, 16, 19–21, 25, 27–29, 31,
33–40. C.
- 11 **camptotrachela** (Ren. & Card.) Broth.
1, 2, 4–6, 10, 11, 41, 42, 44–50, 58–60,
63, 65, 68, 69, 71, 73–76, 81–84, 86–90,
94–100, 102, 103, 105, 107, 109, 112.
H3, 9, 10, 12, 20, 35, 39.
- 12 **muyldermansii** Wilcz. & Demar.
42, 48, 49, 59, 60, 63, 69, 72–74, 78, 80,
83, 86–88, 95–98, 100, 101, 103–105,
108. H1, 3, 6, 7, 9, 16.
- 13 **ludwigii** (Schwaegr.) Broth.
(48), 49, (65), 68–70, 86, 88–90, 92, 94,
96–99, 104–108.
- 14 **lutescens** (Limpr.) Lindb.f.
1–9, 11–20, 22, 23, 27, 29, 30, 32,
34–40, 42–51, 57–60, 62–64, 70–74, 78,
79, 82, 83, 86, 95, 96, 98–101, 104, 107,
109. H2, 8, 10, 12. C.
- 15 **lescuriana** (Sull.) Andrews
3, 6, 8, 10, 12, 15–17, 20, 21, 24, 35, 39,
40, 47–50, 58, 63, 71, 77, 86, 88, 90, 98,
99, 108, 109. H3, 8. C.
- 16 **carnea** (Schimp.) Lindb.
1–85, 88–95, 97–112. H1, 4–9, 11–22,
26–35, 38–40. C.

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- 17 **wahlenbergii** (Web. & Mohr) Andrews
 - a var. **wahlenbergii**
1-24, 28-30, 32-112. H1-40.
 - b var. **glacialis** (Schleich. ex Brid.) Warb.
49, 57, 68-70, 78, 88-90, 92, 94, 96-98, 100, 104-107, 110. H28.
 - c var. **calcareae** (Warnst.) Warb. (4)
1, 2, 9, 10, 14, 17, 34, 64. H16, 35, 39.
86. **Epipterygium** Lindb.
 - 1 **tozeri** (Grev.) Lindb.
1-6, 8-11, 13-17, 19, 34-36, 40-50, 52, 71, 98, 101. H2-4, 9, 12, 20, 34, 38, 39. C.
87. **Plagiobryum** Lindb.
 - 1 **zieri** (Hedw.) Lindb.
35, 36, 39-44, 47-50, 57, (59), 60, 62-70, 72, 73, 75-78, 80, 82, 83, 85-90, 92, 94, 96-101, 103-111. H1, 16, 27-29, 34, 35, 39, 40.
 - 2 **demissum** (Hook.) Lindb.
88, 90, 98.
88. **Anomobryum** Schimp.
 - 1 **filiforme** (Dicks.) Solms
 - a var. **filiforme**
1, (3), 35, 36, 39-50, 52, 57, (59), 60, 64-83, 85-112. H1-3, 6, 7, 15, 16, 20, 21, 27-31, 33-40.
 - b var. **concinnatum** (Spruce) Loeske
42, 43, 47, 59, 64-66, 69, 70, 78-80, 83, 88, 92, 96-98, 101-104, 108, 110. H8, 9, 16, 28, 29, 35, 40.
89. **Bryum** Hedw.
 - 1 **marratii** Wils. (1)
46, 48, 49, 54, 59, (60, 62, 70, 75), 81, (85), 90, 101, 109. H(21), 27, 35, 40.
 - 2 **mamillatum** Lindb. (1)
(28), 54, (59).

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- 3 **warneum** (Roehl.) Bland. ex Brid. (1)
4, (6), 16, 41, 44, 46, 48, (49), 52, 54,
(58), 59, (60, 62, 66), 69, (75), 82, 85,
90, 95, 105. H(21).
- 4 **calophyllum** R. Br. (1)
(4), 46, 48, (52, 58), 59, (62, 66, 68), 69,
(70), 82, (85), 90, 95, 105, (109). H27.
- 6 **arcticum** (R. Br.) Br. Eur.
88–90, 92.
- †7 **lawersianum** Philib.
(88).
- 8 **uliginosum** (Brid.) Br. Eur. (1)
(22, 23, 37, 39, 48, 57–64), 65, (68, 70),
72, (77, 85, 86, 90, 92, 108, 109). H(7,
18, 19, 21), 25, (33, 35, 39, 40).
- 9 **pallens** Sw.
a var. **pallens**
1–26, 28–30, 32–73, 75–112. H1, 4–13,
15–21, 23–40.
b var. **fallax** Jur.
(14), 59, 64, 88, 92. H20.
- 10 **turbinatum** (Hedw.) Turn. (1)
(13, 23, 35, 39, 48, 59, 67, 96), 104.
H27.
- 11 **schleicheri** DC. var. **latifolium** (Sch-
waegr.) Schimp.
86, (88).
- 12 **weigelii** Spreng. (1)
40, 49, 64, 65, 68–70, 72, 77, 78, 87–98,
103–109, 111.
- 13 **cyclophyllum** (Schwaegr.) Br. Eur.
69, 70, 86, 98, 101, 105.
- 14 **algovicum** Sendtn. ex C. Muell. var.
rutheanum (Warnst.) Crundw.
1–7, 9–16, (17), 18–20, 22, 23, 25, 26,
28, (30), 31, 33, 34, 36, 37, 39–50, (51),
52, 54, 56–75, 77, 78, 80, 82–91, 93–97,
100–112. H1, 2, 4–7, 9, 11–14, 16,
18–23, 25, 27–31, 33–35, 38–40. C.
- 15 **salinum** Hagen ex Limpr.
(5), 75, 91, 102, 106, 108. H17.

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- 16 **inclinatum** (Brid.) Bland.
1-6, 8-16, (17), 18, 19, (21), 22-25, 28,
29, (30), 32-50, 52, 54-75, 77, 78, 82,
83, 85-99, 101, 103-112. H2-6, 8, 9, 11,
15, 16, 19-21, 23-30, 33, 35, 37, 38, 40.
C.
- 17 **knowltonii** Barnes (1)
(4, 9), 19, 20, (25, 26), 48, 49, (52), 54,
(58-60, 62, 65, 66, 68), 69, 82, 90, 105,
106.
- 18 **intermedium** (Brid.) Bland. (4)
(1), 2-6, 8, 10-14, 16, (17), 18, 19,
21-23, 25, 26, 28, 29, 32-34, 36-40,
44-46, (48, 49), 51, (52), 53-70, 73, 74,
77, 81-83, 85, 86, 89-92, 95, 97, 104,
105, 107-109. H4, 12, 21, 31, 34, 37-40.
- 19 **donianum** Grev. (1)
1-10, 12-19, 25, 34, 36, 37, 40, 41, 44,
45, 48-50, 52, 53, 59, 71, 74. H1, 3-5, 7,
19-22, 28.
- 20 **capillare** Hedw.
a var. **capillare**
1-112. H1-40. C.
b var. **rufifolium** (Dix.) Podp. (69)
6, 9, 34, 43, 49, 50, 63, 67, 82, 83, 98,
99, 105, 108. H9.
- 21 **elegans** Nees ex Brid. (69)
1, 14, 36, 50, 57, 59, 60, 64-66, 69, 70,
81, 88, 89, 92, 94, 97, 98, 108. H28.
- 22 **stirtonii** Schimp. (69)
68, 87-90.
- 23 **flaccidum** Brid. (69)
2-9, 12-20, 22, 23, 26, 28, 29, 31-35,
37, 40-43, 47, 48, 50, 55-57, 59-69, 74,
78-85, 88, 89, 95, 96. H1.
- 24 **torquescens** Bruch ex De Not. (69)
1, 3, 5, 6, 9-11, 13, 14, 16, (23), 26, 27,
29, 32-34, 36, 41, 45, 48, 50, 52, 54, 63,
64, 66, 75, 86, 87, 106. H2, 34.
- 25 **canariense** Brid. (1)
3, 6, 9, 10, (13, 14), 15, (16), 34, (36),
40, 41, 45, 47, 49, 50, 52, 60. C.

- 26 **creberrimum** Tayl. (1, 70)
9, 11, (13, 14, 16), 17, 23, 29, (34, 42, 43), 49, 50, (57–61), 63, (66), 69, (70), 77, (88), 89, 96, 106.
- 27 **pallescens** Schleich. ex Schwaegr. (1, 70)
1, 2, 6, (14, 16), 18, 19, 22, (32, 34), 38, 39, 47–51, (57, 59, 61, 62), 63, (64), 65, (66), 67, (69–72), 80, 81, (82, 85, 87), 88, 90, 92, 96, 97, (98, 105). H1, (7), 9, 22, 33, (38). C.
- 28 **pseudotriquetrum** (Hedw.) Schwaegr.
a var. **pseudotriquetrum**
1–11, 13–17, 19, 20, 22, 23, 25–28, (30), 31–112. H1–12, 14–40. C.
b var. **bimum** (Brid.) Lilj.
(1), 2–6, 9–17, (18), 19–23, 26, 27, 29–34, 36–41, 43–46, 50, 52–66, 68–70, 72, 73, 75, 77, 81–88, 90–92, 94–96, 98, 99, 101, 104–106, 108–110. H1, 2, 4, 5, 8, 9, 11–13, 18, 20, 21, 23, 25, 27, 28, 30–34, 37–40. C.
- 29 **neodamense** Itzigs.
49, 59, (65, 90), 109. H9, 17, 22, 23, 25, 26, 34, 40.
- 30 **caespiticium** Hedw.
a var. **caespiticium**
(1), 2–70, 72–92, 94–100, 102–109, 111. H1, 2, 4–9, 12, 13, 15, 18–21, 23, 25, 27, 28, 30–40. C.
b var. **imbricatum** Br. Eur.
6, 14, 36, 40, 43, 47, 49, 52, 57, 63, 66.
- 31 **alpinum** Huds. ex With.
1–5, 9–12, 14, 34–36, 40–52, (55), 57–60, 63–76, 78–93, 95–112. H1–9, 13, 14, 16, 20, 21, 24–28, 30, 31, 33–40. C.
- 32 **gemmiparum** De Not.
3, 4, 35, 42.
- 33 **muehlenbeckii** Br. Eur.
88, 92, 96, 97, 103, 105, 106, 108.
- 34 **riparium** Hagen
41, 43, 46–49, 69, 70, 73, 80, 87–90, 92, 95–99, 101–106, 108–110. H1, 6, 16, 38.

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- 35 **mildeanum** Jur. (1)
36, 42, 44, (49), 64, (65), 66, (69), 70,
(87, 88), 89, 91, (92), 97, 98, 107, 108.
- 36 **dixonii** Card. ex Nicholson
87, 90, (98), 104.
- 37 **bicolor** Dicks.
1-77, 79-112. H1-16, 19-23, 25, 27-40.
C.
- 38 **gemmiferum** Wilcz. & Demar. (1)
1, 3, 6-10, 12, 14-24, 26-36, 38, 45,
47-51, 53, 55-59, 61, 63, 64, 66, 68, 71,
81, 82, 88, 97, 101, 106, 108. H4, 8, 12,
21, 22.
- 39 **gemmilucens** Wilcz. & Demar. (1)
6, 9, 20, 27, 29, 34, 38, 62.
- 40 **dunense** Smith & Whitehouse (1)
1-3, 6, 9, 10, 16, 17, 20, 22, 28-30, 41,
45, 46, 48-52, 59, 60, 63, 71, 73, 75, 82,
88, 98, 101, 112. H28, 34, 35. C.
- 41 **argenteum** Hedw.
 - a var. **argenteum**
1-112. H1-40. C.
 - b var. **lanatum** (P. Beauv.) Hampe
1-6, 8-23, 25, 26, 28-39, 41, 43, 45-50,
52, 53, 55-60, 62-74, 76, 77, 81-83, 85,
89-91, 94, 96, 99-101, 104, 106, 108,
109, 111, 112. H1, 2, 5, 6, 9, 11, 16, 20,
21, 28, 31, 34, 37-40. C.
- 42 **radiculosum** Brid.
1-29, (30), 32-55, 57-65, 67-75, 78,
80-83, 85-88, 90, 96-98, 101, 102, 105,
106, 110. H2, 3, 8-12, 14, 20, 21, 23,
29-33, 35, 36, 38, 39. C.
- 43 **ruderae** Crundw. & Nyholm
1, 2, 4-10, 12-39, 41-45, 47-55, 57-60,
62-65, 67, 69, 72, 75, 76, 78, 79, 82-84,
86, 87, 89, 95, 97, 99-103, 108, 109,
112. H1-3, 6-9, 11, 13, 15, 16, 20,
22-25, 34, 35, 39, 40. C.

- 44 **violaceum** Crundw. & Nyholm
1-6, 8, 9, 12, 13, 15-23, 26, 29, 30, 33,
36-40, 42, 43, 46-51, 53, 55-58, 60-64,
66, 71, 72, 76, 77, 81, 83, 84, 94-96, 98,
99, 101, 106-109. H1, 8, 9, 34, 35, 40.
C.
 - 45 **klingsgraeffii** Schimp.
1, 2, 4-20, 22-24, 26-29, 31, 33-40,
44-55, 57-67, 69, 70, 74, 76, 77, 81-84,
87, 88, 91, 95, 98, 99, 101, 106, 108-112.
H1, 3, 5, 7-10, 13, 15, 16, 20, 22-25, 27,
28, 34. C.
 - 46 **sauteri** Br. Eur.
1-5, 9, 14-16, 20, 28, 34-37, 42, 43,
45-52, 60, 62, 63, 71, 74-77, 81, 83, 86,
87, 90, 98, 99, 101, 103, 104, 106, 107,
109, 112. H3, 4, 6, 8, 13, 16, 20, 34, 35. C.
 - 47 **tenuisetum** Limpr.
1, 2, 9, 11, 17, 20, 25, 43, 47-50, 52, 57,
59, 61, 63, 78, 83, 86, 90, 97-99, 101,
104, 108. H3. C.
 - 48 **microerythrocarpum** C. Muell. & Kindb.
1-7, 9-17, 20, 22-29, 31, 34, 36-39, 41,
42, 44-50, 52-54, 58, 60-67, 69, 71-79,
81-92, 94, 96, 98, 99, 101-104, 109, 111,
112. H1, 3, 5, 16, 20, 22, 23, 29, 37. C.
 - 49 **bornholmense** Winkelm. & Ruthe
1, 2, 4-10, 12, 14, 16-18, 20, 25, 27, 28,
30, 31, 33, 34, 36, 39-41, 43, 44, 47-50,
52, 55, 61, 62, 64, 67, 69, 71, 72, 74, 79,
83, 86, 88, 90, 93, 95, 98, 99, 103, 106,
108, 112. H1, 10, 11, 21-23, 28, 29, 35. C.
 - 50 **rubens** Mitt.
1-26, 28-84, 86-92, 94-101, 103, 104,
106, 108-110, 112. H1-9, 11-13, 16, 17,
20-23, 25, 27, 28, 31, 34-36, 40. C.
-
90. **Rhodobryum** (Schimp.) Limpr.
 - 1 **roseum** (Hedw.) Limpr. (1)
2-6, 8-17, 19, 20, (21), 22-30, 32-41,
43-52, 55-60, 62, (63), 64-92, 95-106,
108, 110, 112. H1, 2, 4-6, 8, 9, 15, 16,
18, 20, 22, 26, 29, 31, 33-36, 38-40.

91. **Mnium** Hedw.

- 1 **hornum** Hedw.
1-112. H1-40. C.
- 2 **thomsonii** Schimp. (1)
49, (60), 64, 65, 69, 70, 72, 87-90,
96-98, 104-106, 108. H9, 16, 28, 29.
- 3 **ambiguum** H. Muell.
88, 90.
- 4 **marginatum** (With.) P. Beauv.
 - a var. **marginatum**
(2), 3, (13, 14), 22, 26, 34-37, 39, 40, 42,
44, 46, 48-50, (52-54), 57-60, 62-70,
72, 73, 75-92, 94-99, 101, 104-109,
111. H1, 6, 16, 20, 28, 29, 33, 34, 39, 40.
 - b var. **dioicum** (H. Muell.) Crundw. (3,
71)
(13), 50, (61), 65.
- 5 **spinosum** (Voit) Schwaegr. (1)
88-90, 96-98.
- 6 **stellare** Hedw.
3-10, 12-17, 19, 22-24, 32-52, 54-73,
75-92, 94-108, 110-112. H2, 6, 9, 11,
20, 21, 23, 28, 29, 33, 35, 36, 39, 40.

92. **Cinclidium** Sw.

- 1 **stygium** Sw.
(26), 27, 28, 48, 60, 64-66, 69, 70, 80,
87-92, 95, 97, 102, 104, 105, 108. H23,
28, 29.

93. **Rhizomnium** (Broth.) Kop.

- 1 **punctatum** (Hedw.) Kop.
1-112. H1-18, 20-40. C.
- 2 **magnifolium** (Horik.) Kop.
90, 93, 96, 97.
- 3 **pseudopunctatum** (Br. Eur.) Kop.
3, (6), 10-12, 14, (18), 22, 26-28, 36-40,
42-45, 47-52, 56-60, 62-70, 72-78,
80-92, 95-98, 101-106, 108-112. H2, 6,
12, 13, 21, 22, 27, 28, 30-33, 36-40.

94. **Plagiomnium** Kop.

- 1 **cuspidatum** (Hedw.) Kop.
1-9, 12-17, 19, 20, 22-30, 32-53,
55-70, 72, 73, 75-77, 79-92, 95-99,
101-103, 105, 108-110, 112. H1, 2, 7, 9,
12, 13, 15-17, 20, 21, 23, 24, 26-30, 32,
35, 36, 38-40.
- 2 **affine** (Funck) Kop.
1-3, 5, 6, 8-11, 13-20, 22, 26, 29-34,
38, 39, 41, 43-45, 47-52, 56, 58-60,
63-65, 68, 70, 74, 81, 83, 85, 86, 90,
93-99, 101-103, 105, 106. H12, 14, 17,
20, 36, 38.
- 3 **elatum** (Br. Eur.) Kop.
5-7, 9-15, (17, 18), 19, 22-24, 26-30,
32, 33, 36-50, 52-84, 86-101, 103-112.
H2, 5, 8-10, 13, 14, 16, 17, 19, 21-30,
33, 35, 36.
- 4 **medium** (Br. Eur.) Kop.
88, 97, 98.
- 5 **ellipticum** (Brid.) Kop.
1, 3, 6, 13, 14, (21), 22-24, 26-29, 32,
38-46, 48-50, 52, 55-59, 62, 64-77, 79,
80, 82, 83, 85-91, 94-99, 101-106,
108-112. H6-10, 15-17, 19, 22, 23,
27-30, 33, 35, 37-40.
- 6 **undulatum** (Hedw.) Kop.
1-112. H1-40. C.
- 7 **rostratum** (Schröd.) Kop.
2-92, 94-104, 106, 108-112. H1-8, 10,
11, 13, 14, 16-26, 28-40. C.

95. **Pseudobryum** (Kindb.) Kop.

- 1 **cinclidioides** (Hueb.) Kop.
46, 48, 49, 68-70, 72, 73, 75, 76, 78-80,
87-99, 106, 109, 112.

96. **Aulacomnium** Schwaegr.

- 1 **palustre** (Hedw.) Schwaegr.
 - a var. **palustre**
1-112. H1-40. C.
 - b var. **imbricatum** Br. Eur.
10, 26, 36, (54), 64, 66, 75.

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- 2 **turgidum** (Wahlenb.) Schwaegr.
(65), 88, 96-98, 104-108.
 - 3 **androgynum** (Hedw.) Schwaegr. (1)
(2), 3-43, 46-51, 53-70, 72, 73, 75-77,
80, 83-97, 99, 100, 105-109. H18, 20,
30, 31, 33, 37-40.
97. **Paludella** Brid.
- †1 **squarrosa** (Hedw.) Brid.
(58, 61, 62).
98. **Meesia** Hedw.
- 1 **uliginosa** Hedw. (1)
52, 59, 60, 65-67, 69, 70, 75, 78, (82),
85-92, 94-98, 105, 106, 108-110.
 - 2 **triquetra** (Hook. & Tayl.) Ångstr.
H27.
99. **Amblyodon** Br. Eur.
- 1 **dealbatus** (Hedw.) Br. Eur.
4, (26, 27), 37, (38), 41, 44, 48, 52,
57-60, (62, 63), 64-70, 74, 75, 80, (81),
82, 83, 85-89, (90), 92, 94-96, 105, 106,
108-112. H1, 9, 16, 17, 21, 26-29,
31-35, 38-40.
100. **Catoscopium** Brid.
- 1 **nigritum** (Hedw.) Brid. (1)
52, 59, 60, (64), 65, 66, 68, (82), 85,
88-90, (92), 94, 98, 105, 106, 108-110,
112. H27, 34, 35, 39, 40.
101. **Plagiopus** Brid.
- 1 **oederi** (Brid.) Limpr.
(1), 34-36, 39, 41-44, 46-50, 57, 60,
(62), 64-66, 69, 70, 72, 75-77, (83),
85-92, 94, 96-99, 103, 104. H1, 29, 39.
102. **Bartramia** Hedw.
- 1 **stricta** Hedw.
(14), 43, 47, 88. C.

- 2 **pomiformis** Hedw.
1-17, (18), 19-28, (29), 30, 32, 34-52,
54-60, 62-110. H1-9, 11-13, 16, 19-22,
26-31, 33, 34, 36-40. C.
 - 3 **hallerana** Hedw.
35, 42-44, 46, 48, 49, (57, 62), 64-66,
69, 70, 72, 73, 75-77, 80, 86-92,
95-101, 103-106, 108. H1, 2, 4, 6, 7, 20,
27, 36, 39.
 - 4 **ithyphylla** Brid.
2, 3, 5, 13-15, (16, 17), 25, 35-37,
40-44, 46-50, (55), 57, 58, (59), 60,
62-112. H1, 6-8, 16, 20-22, 27, 31,
34-36, 38-40.
103. **Conostomum** Sw.
- 1 **tetragonum** (Hedw.) Lindb. (1)
(49), 69, 86-90, 92, 94, 96-100,
103-108, 112.
104. **Bartramidula** Br. Eur.
- 1 **wilsonii** Br. Eur.
(48, 90), 97, 98, 105, 110. H1, 3.
105. **Philonotis** Brid.
- 1 **rigida** Brid. (1)
1, 2, 4, 10, 43, 48, 49, (50), 71, 75, 87.
H1-3, 16, 20, 27, 33, 35. C.
 - 2 **marchica** (Hedw.) Brid.
10, (65).
 - 3 **arnellii** Husn. (3)
1, 2, (3), 9, (14), 15, (16), 17, 22, (23, 36,
37), 40, 42-44, 46-50, 57, 58, 64, 67-69,
(70, 73), 82, 83, (86), 87, 90, 95, 97, 98,
104, (109). H16, 36. C.
 - 4 **caespitosa** Wils. (3)
1, 2, 4, 6; 8, 9, 11, 13, 14, 17, 22, 38, 40,
41, 43, 45, 47-49, 57-60, 63-65, 67-70,
81, 83, 90, 95, 99. H1, 4, 16, 20, 33. C.
 - 5 **fontana** (Hedw.) Brid.
1-20, (21), 22-28, (29, 30), 32-112.
H1-21, 23-40. C.

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- 6 **tomentella** Mol. (3)
49, 65, 68, 69, (70), 88-90, 96, 98, 105,
110, 112.
 - 7 **seriata** Mitt.
49, 88-90, 92, 94-98, 103, 105, 106,
108, 111.
 - 8 **calcareia** (Br. Eur.) Schimp. (1)
2-5, 7-9, 11, 12, 22, 23, 26-28, 32-52,
(53), 57-70, 72, 74, 75, 77-96, 98-112.
H1, 2, 6-9, 11, 15-17, 19-25, 27-29,
31-40.
106. **Breutelia** (Br. Eur.) Schimp.
- 1 **chrysocoma** (Hedw.) Lindb.
1-6, (11), 35, 36, 39-52, (54, 55), 57,
(59), 60, (61), 62, (63), 64-80, (81), 83,
85-92, 94-112. H1-18, 20, 21, 24-40.
107. **Timmia** Hedw.
- 1 **austriaca** Hedw. (1)
88-90. H28.
 - 2 **norvegica** Zett. (1)
87, 88, 97, 98. H28.
108. **Amphidium** Schimp.
- 1 **lapponicum** (Hedw.) Schimp.
(42), 43, 44, 49, 64-66, 68-70, 72, 73,
75, (80), 86-92, 94, 96-99, 104-108.
 - 2 **mougeotii** (Br. Eur.) Schimp.
1-5, 35-37, 40-50, 52, 56, 57, 59, 60,
62-92, 94-112. H1-11, 13, 14, 16, 20,
21, 26-31, 33-40.
109. **Zygodon** Hook. & Tayl.
- 1 **viridissimus** (Dicks.) R. Br.
 - a var. **viridissimus**
1-55, 57-106, 108-112. H1-40. C.
 - b var. **stirtonii** (Schimp. ex Stirt.) Hagen
1-4, 6, 9-11, 13-15, 17, 19, 20, 28, 32,
34-37, 40-45, 47-52, 57, 60, 62-65,
68-75, 77, 80-91, 93-95, 97-104,
106-109, 111, 112. H2-6, 8, 10, 11, 13,
20-22, 26-29, 31, 33-35, 38-40. C.

- 2 **baumgartneri** Malta
2-7, 9, 11, 13, 23, 33, 35, 42-45, 47, 48,
50, 67, 69, 70, 72, 77, 80, 82, 87-90, 92,
97, 98, 101, 104, 105, 108. H1-3, 14, 20.
 - 3 **conoideus** (Dicks.) Hook. & Tayl. (1)
1-14, 17, (19), 20, 22, 23, 33-36, 40-45,
47-52, 58, (59), 60, 62, 64, 65, 69-75,
80, 86-88, 90-92, 97-101, 103-106,
108, 110. H1-5, 8, 10, 12, 14-18, 20, 22,
24-29, 33, 35, 38-40. C.
 - 4 **gracilis** Wils. ex Berk.
64.
 - 5 **forsteri** (With.) Mitt.
(5), 11, 18, 24, (37).
110. **Orthotrichum** Hedw.
- 1 **gymnostomum** Bruch ex Brid.
96.
 - 2 **obtusifolium** Brid.
(22-24, 32, 33, 36, 38, 65, 66), 90, (91),
95.
 - 3 **striatum** Hedw. (1)
1-16, (17-20, 22, 23), 24-27, 32-37,
(38), 40-50, 52, (55), 56, 57, 60,
(61-64), 65, 67-73, 75, 77-83, 85-109.
H1-6, 9, 12-14, 20, 21, 23, 25, 28,
31-33, 36-40. C.
 - 4 **speciosum** Nees
(13, 14, 62), 86, 88, 89, (90, 91), 92,
94-96.
 - 5 **lyellii** Hook. & Tayl. (1)
1-17, (18), 19, (20, 21), 22-29, (30),
31-50, (51), 52-58, 60, (61, 62), 64-83,
85-101, 103-107. H1, 2, 4, 6-8, 10-14,
18-24, 30-33, 36-40. C.
 - 6 **affine** Brid.
1-20, (21), 22-110. H1-6, 8-40. C.
 - 7 **rupestre** Schleich. ex Schwaegr.
2, 3, 6-8, 22, 34, 37, (38), 40, 47, 48,
(49), 50, 52, 59-61, 65-71, 73-83,
85-93, 95-112. H1, 2, 16, 20, 21, 25-29,
34, 35, 37-40.

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- 8 **rivulare** Turn. (1)
2-5, (9), 13, 14, 16, (17), 33-37, (38),
39, 40, 42-50, (55), 57, 58, (59), 60,
(62), 64-70, 72, 73, 75-95, 97, 102, 103.
H1, 2, 4, 6, 9, 13, 20, 21, 29, 31, 36,
38-40.
- 9 **sprucei** Mont.
2-6, 8, 9, 11, 13, 14, 16, (17, 19), 32-36,
38-40, 42, 43, 46-50, 55, 57-60, 62-65,
67-70, 72, 73, 75-77, 80, 86, 88. H2, 6,
12, 38, 39.
- 10 **anomalum** Hedw.
1-112. H1-40. C.
- 11 **cupulatum** Brid.
 - a var. **cupulatum** (72)
2-9, 11-14, 16, 17, 19, 20, 22, 23, 25,
27-30, 32-52, 54, 55, 57, 59-73, 75-83,
85-98, 100, 101, 103, 105-108, 112. H1,
2, 4-10, 15-17, 19, 21, 23, 25, 26,
28-30, 32, 34, 35, 38-40.
 - b var. **riparium** Hueb. (72)
6, 9, 14, 22-24, 32, 33, 36, 37, 39, 42,
44, 50, 51, 55, 57, 59, 60, 63-72, 74, 77,
78, 80, 81, 83-91, 93, 94, 101, 106, 108,
109. H6, 8, 9, 21, 22, 24, 26, 33, 34, 36,
38-40.
- 12 **urnigerum** Myr.
97.
- 13 **schimperi** Hammar
3, 26, 27, 32, 90, 91.
- 14 **stramineum** Hornsch. ex Brid.
3, 5, 6, 10-14, (16, 17, 19), 22-24,
32-50, 52, 57, (58), 60, (61), 62, (64),
65-75, 77-83, 85-100, 103, 105-108.
H1, 2, 10-12, 20, 38, 39.
- 15 **pallens** Bruch ex Brid.
59, (62), 64, (65), 66, 75, 92, 97, 106.
H4, 16, 17, 20, 21, 26.
- 16 **tenellum** Bruch ex Brid.
1-11, 13-17, (19), 22-28, (30), 32-36,
(38), 43, 45-50, 52, 55, 57, 58, (59), 60,
(61, 62), 64, 65, 67, 69-71, 73-77, 80,
81, 83, 85-91, 97-101, 103-105, 110.
H1-3, 5-9, 11, 12, 15, 20, 21, 29, 31-34,
36, 38-40. C.

- 17 **diaphanum** Brid.
1-112. H1-34, 36-40. C.
 - 18 **pulchellum** Brunton
1-9, 11-16, (17), 22-25, 27, 28, (30),
32-36, 38, 40, 42, 44-52, 54, 55, 57, 58,
60-62, (63), 64-75, 77-101, 103-112.
H2-6, 8-10, 12, 14, 16, 19-30, 32-40.
C.
111. **Ulot** Mohr
- 1 **coarctata** (P. Beauv.) Hammar (1)
5, 11, (13), 27, (48), 79, 86-88, 90, 92,
96-98, 105, 106. H1, 2.
 - 2 **drummondii** (Hook. & Grev.) Brid.
46, 48, 49, 60, (63), 65-70, 72, 73, 75,
79, 81-83, 85-98, 100, 101, 103-109,
111. H1, 2, 6, 7, 10, 20, 21, 33, 35, 36,
39.
 - 3 **crispa** (Hedw.) Brid.
 - a var. **crispa**
1-17, (18, 19), 20, (21), 22-28, (29), 30,
32-52, (54, 55), 56-58, (59), 60, (61),
62, (63), 64-77, 79-112. H1-40. C.
 - b var. **norvegica** (Groenvall) Smith &
Hill (4)
1-17, 19, (20), 22-24, 27, 32-37, 40-52,
57, 58, 60, (61, 62), 64-83, 85-111.
H1-18, 20-22, 24, 27-31, 34-36, 38-40.
C.
 - 4 **calvescens** Wils. (1)
48, 75, 86, 97, 98, 101-106, 108, 110,
112. H1, 2, 9, 16, 18, 26-30, 33, 35, 39,
40.
 - 5 **hutchinsiae** (Sm.) Hammar
(2), 3, 4, 7, 44, 48, 49, (62, 65), 69, 70,
73, 75, 86-92, 95-99, 101-110, 112.
H1-7, 15, 16, 20, 21, 27, 28, 30, 32, 34,
35, 37, 38, 40.
 - 6 **phyllantha** Brid.
1-6, 9-15, 17, 20, 22, (23), 26, 27, 32,
33, 36, 37, 40-50, 52, (54), 58, 60, (61),
62, (64), 65-77, 79-112. H1-40. C.

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112. **Hedwigia** P. Beauv.

- 1 **ciliata** (Hedw.) P. Beauv. (1)
1-7, 9, 13, 14, (16), 17, 22, 34-37, (38),
39-50, 52, (55), 57, (58, 62), 64-110,
112. H1-4, 6-8, 10-16, 19-22, 24-31,
33-40. C.
- 2 **integrifolia** P. Beauv. (1)
48, 49, 52, 69-75, 82, 87-89, 96-98,
100, 101, 103-105. H1, 3, 6, 20, 39.

113. **Fontinalis** Hedw.

- 1 **antipyretica** Hedw.
 - a var. **antipyretica**
1-112. H1-40. C.
 - b var. **gracilis** (Hedw.) Schimp.
2, 3, 5, 19, 39, 42, 45, 46, 48, 49, 57, 59,
60, 63-65, 67-71, 74, 78, 80, 83, 86,
88-91, 93, 96-98, 100, 103-108, 110,
112. H1, 7, 12, 16, 21, 38, 39.
 - c var. **gigantea** (Sull.) Sull.
1, 2, 11, 17, (22), 23, 34, 38, 46, 49, 57,
62, 64-66, 70-72, 88, 89, 92, 96-98,
112. H9, 12, 15, 22, 25, 26, 28, 29, 36,
38-40.
 - d var. **cymbifolia** Nicholson
5-7, 14, 21, 24, 31, 32, 57, 64. H9.
- 2 **squamosa** Hedw.
 - a var. **squamosa**
1-5, 36, 37, 39, 40, 42-50, 57-60,
62-77, 80, 83, 86-92, 94-102, 104-110.
H1-8, 12, 13, 16, 20, 21, 27, 33-38, 40.
 - b var. **curnowii** Card.
1-3, 58.
 - c var. **dixonii** (Card.) A. J. E. Smith
48, 49, 57, 63, 70, 97, 103, 110. H33.

114. **Climacium** Web. & Mohr

- 1 **dendroides** (Hedw.) Web. & Mohr
1-9, 11-15, 17, (18), 19, 20, (21),
22-112. H1-40.

115. **Cryphaea** Mohr

- 1 **heteromalla** (Hedw.) Mohr (1)
1-17, (18), 19, (20, 21), 22-29, (30),
32-42, 44-50, 52, (54), 55-59, (61-64),
66-75, 77, 79-83, 85, 87, 88, (90),
97-104, 106, 110. H2-33, 35-40. C.
- 2 **lamyana** (Mont.) C. Muell.
2-4, 44, 46.

116. **Leucodon** Schwaegr.

- 1 **sciuroides** (Hedw.) Schwaegr. (1)
 - a var. **sciuroides**
1-17, (18), 19, (20, 21), 22, 23, 25-50,
52-57, (59), 60-62, (63), 64, 65, 67-73,
76, 78-83, 85, 87-98, 103, 105-108. H3,
6, 7, 9, 11, 14, 16, 18-22, 31, (39). C.
 - b var. **morensis** (Limpr.) De Not. (4)
9, 17, 45, 73, 88, 90, 96.

117. **Antitrichia** Brid.

- 1 **curtipendula** (Hedw.) Brid. (1)
2-4, 6, 12, 13, (14), 15, (18-20, 22, 23),
25, 27, 32, 33, 35-40, 42, 45, 47-50, 52,
(55), 57, 60, (62, 63), 64-66, 68-70, 72,
73, 75, 78, 79, (80), 81, 82, (83), 85-99,
101, 103-112. H1, 3, 6, 12, 20, 28,
32-34, 36, 39, 40.

118. **Pterogonium** Sw.

- 1 **gracile** (Hedw.) Sm. (1)
1-7, 9-14, (16), 17, (26), 34-37, 40-50,
52, 60, 64-66, 68-75, 77-83, 85-92,
96-105, 108, 110. H1-8, 13, 16, 20, 21,
28, 31, 33, 35, 38, 39. C.

119. **Myurium** Schimp.

- 1 **hochstetteri** (Schimp.) Kindb. (1)
97, 103, 104, 108, 110. H16.

120. **Leptodon** Mohr

- 1 **smithii** (Hedw.) Web. & Mohr (1)
(1), 2-15, 17, (18), 22, (23), 41, 45, (48),
49, 52, (70). H3, 6. C.

121. **Neckera** Hedw.
 - †1 **pennata** Hedw.
(90).
 - 2 **crispa** Hedw.
1, (2), 3-17, 22-24, 30, 33-37, 39-54,
(55), 56, 57, 59-83, 85-92, 94, 96-111.
H1-10, 15-17, 20, 23-31, 33-40. C.
 - 3 **pumila** Hedw. (1)
1-17, (18-20), 22, 23, 27, 28, 32-36,
40-42, 44-50, 52, (55), 56-58, (59), 60,
(62), 64, 65, 69, 70, 72, 73, 75, 77,
86-88, 90, 96-99, 101, 103-105. H1-12,
14-26, 28-33, 36-39. C.
 - 4 **complanata** (Hedw.) Hueb.
1-112. H1-40. C.
122. **Homalia** (Brid.) Br. Eur.
 - 1 **trichomanoides** (Hedw.) Br. Eur.
1-62, (63), 64-94, 96-102, 104, 106,
109, 111, 112. H1-6, 8-16, 18-26,
28-31, 33-40. C.
123. **Thamnobryum** Nieuwl.
 - 1 **alopcurum** (Hedw.) Nieuwl.
1-27, 29-92, 94-112. H1-40. C.
 - 2 **angustifolium** (Holt) Crundw.
57.
124. **Hookeria** Sm.
 - 1 **lucens** (Hedw.) Sm. (1)
1-6, 8-17, (18), 27, 29, 34-52, (55),
57-60, 62-112. H1-16, 20-22, 24-40.
C.
125. **Eriopus** C. Muell.
 - 1 **apiculatus** (Hook.f. & Wils.) Mitt.
1.
126. **Cyclodictyon** Mitt.
 - 1 **laetevirens** (Hook. & Tayl.) Mitt. (1)
(1), 102. H1-4, (6), 27, 29.

127. **Daltonia** Hook. & Tayl.
 - 1 **splachnoides** (Sm.) Hook. & Tayl. (1)
97, 98, 105. H1-3, (21), 29, 30.
128. **Myurella** Br. Eur.
 - 1 **julacea** (Schwaegr.) Br. Eur.
 - a var. **julacea** (1)
(49), 64, 65, 87-90, 92, 94, 96-98, 101,
104, 105, 107, 110. H6, 16, 40.
 - b var. **scabrifolia** Lindb. ex Limpr. (1)
88. H29.
 - 2 **tenerrima** (Brid.) Lindb.
88, 90.
129. **Myrinia** Schimp.
 - 1 **pulvinata** (Wahlenb.) Schimp.
9, 14, (17, 30), 36, 40, 42, 43, 47, 50, 58,
(59, 61-63), 64, 73, 75, 77, 86-89.
130. **Habrodon** Schimp.
 - 1 **perpusillus** (De Not.) Lindb. (1)
3, (4), 5, 6, 41, 47, (65), 69, 70, (75), 78,
88, 90, 97, (99, 100).
131. **Pseudoleskeella** Kindb.
 - 1 **catenulata** (Brid.) Kindb.
 - a var. **catenulata** (1)
49, 64-66, 69, 70, 88-90, 92, 94, 96-98,
108.
 - b var. **acuminata** (Culm.) Amann (1)
69, 88, 89, (90), 94, 96, 104, 105, 108.
 - 2 **nervosa** (Brid.) Nyholm
(88), 92, 108.
132. **Leskea** Hedw.
 - 1 **polycarpa** Hedw.
1-9, 11-25, 27-91, 95, 98, 99, 108. H1,
2, 4, 6-8, 12, 13, 15, 19-22, 24, 25,
28-40. C.
133. **Lescuraea** Br. Eur.
 - 1 **patens** (Lindb.) Arn. & C. Jens.
88, 90, 92, 96-98, 106.

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- 2 **incurvata** (Hedw.) Lawton (1)
85, 87-90, 92, 94, 96, 97.
 - 3 **plicata** (Schleich. ex Web. & Mohr)
Lawton
88-90, 97.
 - †4 **saxicola** (Br. Eur.) Milde
(88).
134. **Pterigynandrum** Hedw.
- 1 **filiforme** Hedw.
 - a var. **filiforme** (1)
42, (49, 57), 68-70, 72, 86-90, 92-98,
104-108, 112. H20, 21, 38, 40.
 - b var. **majus** (De Not.) De Not. (1)
(49), 88, 90, 92, 96, 106. H38.
135. **Heterocladium** Br. Eur.
- 1 **heteropterum** (Bruch ex Schwaegr.) Br.
Eur.
 - a var. **heteropterum**
1-6, 13-16, 34-37, 39-52, 55, 57-60,
62-83, 85-92, 95-112. H1-16, 20-22,
26-31, 33-40. C.
 - b var. **flaccidum** Br. Eur.
1-6, 9, 14-17, 34-37, 39-50, 52, 60,
63-75, 77-83, 86, 88, 90, 97-106, 108.
H1-3, 5, 6, 10, 11, 16, 20, 28, 29, 33-35,
38-40. C.
 - 2 **dimorphum** Br. Eur.
86-88, 90, 96, 99.
136. **Anomodon** Hook. & Tayl.
- 1 **longifolius** (Brid.) Hartm.
(6), 34, (35, 36, 64-66), 88, 90.
 - †2 **attenuatus** (Hedw.) Hueb.
(88, 90).
 - 3 **viticulosus** (Hedw.) Hook. & Tayl. (1)
1-45, 47-73, 75-83, 85-99, 101-106,
108. H1-11, 13-26, 28-40. C.

137. **Thuidium** Br. Eur.
- 1 **abietinum** (Hedw.) Br. Eur.
 - a ssp. **abietinum**
1, 8, 12, 13, 15, (19), 20, 23, 25–29, 32, 33, 41, 44, 45, (49), 52, 53, 55, 64, 66, 69, 71, 75, 82, 85, 87–90, 94, 106. H16, 21, 27, 28, 34, 35, 40. C.
 - b ssp. **hystricosum** (Mitt.) Kindb.
7–9, 11–13, 15–17, 20, 22–24, 30, 64, 65, 88. H28, 34, 35, 40.
 - 2 **tamariscinum** (Hedw.) Br. Eur.
1–112. H1–40. C.
 - 3 **delicatulum** (Hedw.) Mitt.
1–6, 9, 11, 12, (17), 34, 42–50, 52, 57, 60, 64, 65, 67, 69–80, 82–89, 91, 96–110, 112. H1–3, 6–10, 12, 15, 16, 19–21, 23, 25–31, 33–36, 38–40.
 - 4 **philibertii** Limpr.
3–17, (19), 20–30, 32–39, 41–43, 46–52, 54, 55, 57, 60–70, 72–75, 80, 82–90, 94, 97, 98, 100–103, 105–110. H1, 7, 9–11, 14, 16, 17, 19, 22, 23, 28, 32, 34, 35, 37, 39, 40.
 - 5 **recognitum** (Hedw.) Lindb.
6, 34, 35, 50, 51, 57, 60, 64, 69, 86–88, 90, 92, 96, 98, 105–108. H9, 26, 29, 40.
138. **Helodium** Warnst.
- †1 **blandowii** (Web. & Mohr) Warnst.
(58, 62, 64, 65).
139. **Cratoneuron** (Sull.) Spruce
- 1 **filicinum** (Hedw.) Spruce
 - a var. **filicinum**
1–112. H1–40. C.
 - b var. **curvicaule** (Jur.) Moenk.
88, 104.

- 2 **commutatum** (Hedw.) Roth
 - a var. **commutatum**
1-7, 9, 10, 12-17, (19, 20), 22, 23,
25-27, 29, (30), 32-112. H1-10, 13-21,
23-29, 31-40. C.
 - b var. **falcatum** (Brid.) Moenk.
1-9, 11, 12, 14, (18), 22-28, 32-55,
57-83, 85-112. H1-3, 8, 9, 11-19,
21-40.
 - c var. **virescens** (Schimp.) Rich. & Wall.
32, 37, 39, 50, 53, 57, 59-62, 64, 65, 67,
69, 92, 103, 108. H29.
 - d var. **sulcatum** (Lindb.) Moenk.
88, 97, 98, 103.
 - 3 **decipiens** (De Not.) Loeske
61, (62), 88-92, 96-98, 106.
140. **Campylium** (Sull.) Mitt.
- 1 **stellatum** (Hedw.) J. Lange & C. Jens.
 - a var. **stellatum**
1-9, 11-15, (16), 17-20, 22-29, (30), 31,
32, 34-112. H1-40. C.
 - b var. **protensum** (Brid.) Bryhn
1-6, 8-20, (21), 22-26, 29-38, 40-42,
44-55, 57, 59-70, 72, 73, 75-78, 80-84,
86-91, 94-106, 108-111. H1, 2, 4, 7-9,
11, 16, 18, 19, 22, 23, 25, 27-37, 39, 40.
 - 2 **chrysophyllum** (Brid.) J. Lange
1-24, 26, 28-30, 32-45, 47-71, 75-77,
80-83, 85, 86, 88-90, 92, 94, 96-98,
100-102, 104-112. H1, 2, 4, 5, 8-12,
14-40. C.
 - 3 **polygamum** (Br. Eur.) J. Lange & C. Jens.
1, 3-5, 9, 11, 13-15, 17, (18), 22, (23),
25-27, 29, 31, 37-41, 43-46, 48, 49, 52,
54, 55, 58-62, 64, 67-71, 74-77, 80-83,
85, 86, 88-93, 95, 98, 100-102, 104,
105, 108-110, 112. H3, 9, 12, 13, 16,
19-25, 27, 28, 31-35, 37-40.
 - 4 **elodes** (Lindb.) Kindb.
1, 4, 7, 9, 11, 12, 15, (17), 18, 19, 22, 24,
26-30, 34, 38, 40, 44, 48-52, 54, (55),
59-62, 64, 65, 67-70, 73, 80-82, 85, 87,
89, 90, 98, 104-110, 112. H2, 7-10, 12,
15-23, 25, 26, 28, 30, 33, 35-37, 39, 40.

- 5 **calcareum** Crundw. & Nyholm
3, 5-8, 10-18, 20, (21), 22-24, 29, 30,
32-38, 40, 42, (49), 50, 51, (53), 54, 55,
57, 58, 61-65, 67, 69, 70, 73, 75, 85, 86,
88, 89, 94-96. H16, 26, 39, 40.
 - 6 **halleri** (Hedw.) Lindb.
88, 90, 97.
141. **Amblystegium** Br. Eur.
- 1 **serpens** (Hedw.) Br. Eur.
 - a var. **serpens**
1-106, 108-112. H1-40. C.
 - b var. **salinum** Carringt.
1, 3, 5, 6, 18, 41, 44, 45, 48, 50, 52, 59,
60, 62, 68, 69, 73, 75, 82, 85, 90, 91,
101, 105, 108-110, 112. H1, 2, 6, 9, 12,
21, 27, 28, 34, 35, 38, 40.
 - 2 **fluviatile** (Hedw.) Br. Eur.
1-5, 22, 33-51, (52), 57-60, 62-70,
72-83, 85-91, 93-95, 99, 103, 109.
H4-6, 10, 12, 13, 15, 19, 20, 35, 38, 39.
C.
 - 3 **tenax** (Hedw.) C. Jens.
2-20, (21), 22-25, 32-53, (54), 55-70,
72-75, 77-90, 94, 99, 101, 106, 109,
111. H1, 2, 5-9, 11, 15, 19-21, 25, 27,
28, 33, 37-40. C.
 - 4 **varium** (Hedw.) Lindb.
1, 3, 5-17, 19, 20, (21), 22-27, 29, 30,
32-41, 45, 48-52, 54-62, (63), 64-67,
69-71, 73, 74, 80, 81, 83, 88-91, 97-99,
101, 108, 110. H6, 8, 9, 15-17, 22,
24-26, 28, 30, 33-40. C.
 - 5 **humile** (P. Beauv.) Crundw.
3, 4, 6-8, 11-14, 16, 17, 19, 20, 22, 24,
27, 29, 31, 32, 36, 38, 48-52, 54, 58,
61-64, 69, 85, 90, 109. H25, 39, 40.
 - 6 **saxatile** Schimp.
2.
 - 7 **riparium** (Hedw.) Br. Eur.
1-45, 47-77, 80-92, 95, 98-100,
102-108, 110-112. H1, 2, 4-6, 8, 9, 11,
12, 14-16, 19-33, 35-40. C.

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- 8 **compactum** (C. Muell.) Aust.
3, 10, 34, 36, 37, 40, 57, 60, 63, 64,
66-68, 72, 81, 83, 85, 90, 91, 95, 108.
H28.
142. **Platydictya** Berk.
 - 1 **confervoides** (Brid.) Crum
(2), 3, 6, 7, 16, 22, 23, 33-36, 39, 41, 42,
50, 57, (62), 64, (65), 69, 70, 90, 94. H8,
9, 16, 20, 21, 28.
 - 2 **jungermannnioides** (Brid.) Crum (1)
6, 34, 35, (36), 40, 42, 47-50, 57, (59),
63-65, (66), 69, 70, 72, 76, 80, 86-90,
92, 94, 96-99, 101, 104, 106, 108. H11,
28, 29, 33.
143. **Drepanocladus** (C. Muell.) Roth
 - 1 **aduncus** (Hedw.) Warnst.
1-42, 44, 45, 48, 49, 51-78, 80-92,
94-96, 98-105, 107, 109-112. H1-5, 8,
9, 12, 14-16, 20, 21, 23-25, 27-29, 31,
33-40. C.
 - 2 **sendtneri** (Schimp. ex H. Muell.) Warnst.
1-4, 11, 15, 18, (23, 24), 26, 27, (30), 32,
34, 35, 37, (38), 39, 41, 45, 48, 52-54,
56-62, (63), 64, 65, 68, 70, 82, 85-87,
90, 96, 100, 103-105, 109, 110. H9, 15,
23-26, 28, 31, 34-37, 39, 40.
 - 3 **lycopodioides** (Brid.) Warnst.
1, 3, 4, 11, 12, 25, 27, 28, 32, (38), 41,
45, 52, 54, 59-62, (63), 64-66, (67), 68,
69, 85, (90), 92, 95, 96, 106, 107,
109-111. H9, 15, 17, 20, 21, 23, 26, 35,
38-40.
 - 4 **fluitans** (Hedw.) Warnst.
 - a var. **fluitans**
1-6, 8, 9, 11-18, 20, 22, 30, 35, 37-50,
52-55, 57-72, 75, 77, 78, 83, 86-90, 92,
94, 96-99, 101, 102, 104-112. H3, 15,
16, 20, 21, 23, 27, 30, 33, 34, 39.
 - b var. **falcatus** (Sanio ex C. Jens.) Roth
1-4, 6, 9, 11, 12, 17, 18, 22, 30, 34, 35,
37-42, 44-46, 48-51, 54, 55, 57-78,
80-83, 85-90, 94-98, 102, 104, 105,
107, 109-112. H1, 7, 12, 13, 19, 32, 35,
40.

- 5 **exannulatus** (Br. Eur.) Warnst.
 - a var. **exannulatus**
1-6, 9, 11, 12, 17-20, 22, 27, 30, 34, 35,
37, 38, 41, 43-50, 52, 55, 57-78, 81, 83,
84, 86-90, 92, 93, 96-99, 101, 103-112.
H2-8, 12, 16, 20-22, 24, 25, 27-31,
33-35, 37-39.
 - b var. **rotae** (De Not.) Loeske
1, 2, 4-6, 11, 12, 15, 18, 19, 27, 37, 38,
41, 42, 44-50, 52, 54, 57, 59-66, 69, 70,
73, 75, 77, 78, 80, 83, 86, 88, 89, 92, 93,
95-100, 103-106, 108-110, 112. H3, 5,
12, 16, 20, 37, 39.
 - 6 **revolvens** (Sw.) Warnst.
1-6, 8, 9, 11, 12, (13), 17, 22, 23, 25-28,
(29, 30), 32-52, (53), 54, 56-83, 85-112.
H1-17, 19-40.
 - 7 **vernicosus** (Mitt.) Warnst.
3, 11, (13), 27, 28, 37-50, 52, 57-62,
(63), 64, 65, 69, 70, 72, 73, 75, 76, 79,
82, 85-88, (90), 91, 92, 104, 106, 109,
110. H1, 2, 6, 9, 12, 17, 19-25, 27-29,
34, 35, 38-40.
 - 8 **uncinatus** (Hedw.) Warnst.
1-6, 9, 11, 13, 14, 16, (17), 18, 19,
25-27, 33-37, (38), 39-45, 47-51,
57-60, 62-112. H1, 2, 4, 6-10, 12,
14-17, 20-22, 24, 26, 28, 29, 31-40.
144. **Hygrohypnum** Lindb.
- 1 **ochraceum** (Turn. ex Wils.) Loeske
1-5, 8, 35, 36, 39, 41-51, 57-60,
62-102, 104-109, 111, 112. H1-3, 5-10,
12, 16, 19-21, 31, 33-36, 38-40.
 - 2 **polare** (Lindb.) Loeske
105.
 - 3 **luridum** (Hedw.) Jenn.
 - a var. **luridum**
3-9, (11), 13-15, 17, 19, 20, (21), 22-26,
29, 32-52, (53), 55-70, 72-92, 94-112.
H1-4, 6-11, 13-16, 18-36, 38-40.
 - b var. **subsphaericarpon** (Schleich. ex
Brid.) C. Jens. (3)
(58, 60), 64, 65, (67, 85).

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- 4 **eugyrium** (Br. Eur.) Broth.
4, 36, 40, 42, 44, 45, 48–50, (62), 64–66,
68–70, 72–75, 78, 79, 81, 83, 85–92,
96–106, 108, 110, 112. H1–3, 6–8, 16,
20, 31, 33–36, 38, 39.
 - 5 **smithii** (Sw.) Broth.
88–90, 92, 97.
 - 6 **molle** (Hedw.) Loeske
92, 96, 97.
 - 7 **dilatatum** (Wils. ex Schimp.) Loeske
48, 49, (65), 69, 70, 88, 90–92, 94, 96,
97, (98), 108, 112. H1, 2.
145. **Scorpidium** (Schimp.) Limpr.
- 1 **scorpioides** (Hedw.) Limpr.
1–7, 9, 11, 12, (13), 17, 25–29, (30), 35,
37, 40–50, (51), 52, 54, 57–77, 79–83,
85–92, 94–112. H1–4, 8–11, 13–28,
30–40.
 - 2 **turgescens** (T. Jens.) Loeske
88.
146. **Calliergon** (Sull.) Kindb.
- 1 **stramineum** (Brid.) Kindb.
1–15, (16), 17, (18–21), 22, 24, 25, 27,
28, 30, 34–52, 54, 55, 57–112. H1, 5–7,
9, 10, 12–14, 16, 20–24, 26–31, 33, 34,
36–40.
 - 2 **trifarium** (Web. & Mohr) Kindb. (1)
86–89, (90), 92, 94, 96–99, 103–108.
H9.
 - 3 **cordifolium** (Hedw.) Kindb.
1–28, 30–102, 104–112. H1–6, 8, 12, 13,
15, 16, 20–25, 27–34, 36–40.
 - 4 **giganteum** (Schimp.) Kindb.
1, 3, 5, 7, 9, 11–14, 17, (21), 22, (23),
26–29, 31–46, 48–52, 54, 55, 58–83,
85–92, 94–104, 106, 108–112. H1, 7–11,
13, 15–17, 19–29, 31–40.
 - 5 **sarmentosum** (Wahlenb.) Kindb.
1, 2, 42–52, 60, 64–66, 69–79, 85–92,
94–112. H1–3, 16, 20, 27, 34, 35, 38, 39.

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- 6 **cuspidatum** (Hedw.) Kindb.
1-112. H1-40. C.
147. **Isothecium** Brid.
- 1 **myurum** Brid.
1-20, (21), 22-112. H1-40. C.
- 2 **myosuroides** Brid.
- a var. **myosuroides**
1-25, 27-55, 57-112. H1-40. C.
- b var. **brachythecioides** (Dix.) Braithw.
49, 72, 85, 86, 88-90, 92, 93, 95-106,
108, 110-112. H1, 2, 7, 8, 16, 27-30,
33-36.
- 3 **holtii** Kindb.
2-5, 42-44, 46-50, 64, 69, 70, 72-74,
86-88, 95-99, 105, 108, 109. H1-3, 6,
20, 35, 38, 40.
- 4 **striatulum** (Spruce) Kindb.
3, 5, 6, 9-14, 17, 34-36, 41, 42, 45, 49,
50, 52, 57, 60, 64, 69, 98. H1, 2, 5, 8, 9,
16, 17, 20, 28, 29.
148. **Scorpiurium** Schimp.
- 1 **circinatum** (Brid.) Fleisch. & Loeske (1)
1-6, 8-11, 13-15, 17, 34, 35, (36), 41,
44, 45, 52. H(1), 2, 5, 6, 8, 9, 15, 23. C.
149. **Homalothecium** Br. Eur.
- 1 **sericeum** (Hedw.) Br. Eur.
1-112. H1-40. C.
- 2 **lutescens** (Hedw.) Robins.
1-73, 75, 77-95, 97-99, 101-112.
H1-35, 37-40. C.
- 3 **nitens** (Hedw.) Robins. (1)
26-28, (37), 40, 49, 50, 52, (58, 62), 64,
(65), 66-70, 72, 77, 78, 80, 81, 83, 85,
87-92, 94-96. H19, 23, 27, 33.
150. **Brachythecium** Br. Eur.
- 1 **albicans** (Hedw.) Br. Eur.
1-112. H1, 3-6, 9, 12, 16, 19-22, 27, 28,
31, 34, 35, 37-40. C.

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- 2 **glareosum** (Spruce) Br. Eur. (1)
1-30, 32-43, 47, (48), 49-55, 57-70, 72,
75, 77, 79-83, 85-91, 94, 95, 97, 98,
100, 101, 104, 108. H1-3, 6, 8, 9, 16,
18-22, 25, 26, 28, 29, 31, 33, 35, 38-40.
C.
- 3 **erythrorrhizon** Br. Eur.
108.
- 4 **salebrosum** (Web. & Mohr) Br. Eur. (3,
73)
3, (9), 12, (14, 15), 20, 22-24, 29, (32),
36, 37, (54, 62), 63, (64, 80, 90).
- 5 **mildeanum** (Schimp.) Milde (3, 73)
1-4, 6, 8-18, 22-24, 29, 32, 33, 36-38,
40, 41, 44-46, 48-50, 52-55, 57-61,
68-70, 75, 81-83, 85, 86, 88, 90, 95-97,
102, 104, 105, 110. H1, 2, 5, 13, 16, 17,
20-23, 28, 35, 39. C.
- 6 **rutabulum** (Hedw.) Br. Eur.
1-112. H1-40. C.
- 7 **rivulare** Br. Eur.
1-27, 29-112. H1-3, 5-13, 15-23,
25-40. C.
- 8 **starkei** (Brid.) Br. Eur.
88, 105.
- 9 **glaciale** Br. Eur.
88, 90, 92, 96-98, 105, 106.
- 10 **reflexum** (Starke) Br. Eur.
88, 89, (90), 92, 96-98, 105, 106.
- 11 **velutinum** (Hedw.) Br. Eur.
1-73, 75-99, 101-104, 106-109, 112.
H1, 2, 5-9, 12, 13, 16, 20-24, 26-28, 30,
32-40. C.
- 12 **populeum** (Hedw.) Br. Eur.
1-9, 11-19, (21), 22-24, 27, 29, 31-55,
57-112. H1-16, 19-25, 27-40. C.
- 13 **plumosum** (Hedw.) Br. Eur.
1-6, 9, 11, 13-17, 34-52, (53, 54),
55-112. H1-10, 12-16, 18, 20, 21, 24,
25, 27-40. C.

151. **Pseudoscleropodium** (Limpr.) Fleisch.
 - 1 **purum** (Hedw.) Fleisch.
1-112. H1-40. C.
152. **Scleropodium** Br. Eur.
 - 1 **cespitans** (C. Muell.) L. Koch (1)
1-17, 19-23, 29, 32-40, 42, 43, 45-47,
49, 50, 52, 55, 57, 58, (59), 61, 62, (63),
64, 65, 67, 68, 70, 73, 80, 81. H3, 5-7,
13, 28, 30, 33, 39. C.
 - 2 **tourettii** (Brid.) L. Koch (1)
1-7, 9-17, (18), 19, (20), 22, 23, 26-29,
33-38, 40-43, 45-52, 71, 74, 75, 88.
H2-7, 12, 21, 37, 39. C.
153. **Cirriphyllum** Grout
 - 1 **piliferum** (Hedw.) Grout
1-20, (21), 22-91, 93-111. H1-7, 9,
11-16, 18-26, 28-31, 33-40. C.
 - 2 **cirrosum** (Schwaegr.) Grout
88, 98, 105.
 - 3 **crassinervium** (Tayl.) Loeske & Fleisch.
1-20, (21), 22-24, 29, 30, 32-55, 57-73,
75-77, 79-91, 95, 98-101, 105, 106,
108, 111, 112. H1, 2, 4-12, 15-30, 32,
33, 36, 38-40. C.
154. **Rhynchostegium** Br. Eur.
 - 1 **riparioides** (Hedw.) C. Jens.
1-27, 29-112. H1-40. C.
 - 2 **lusitanicum** (Schimp.) A. J. E. Smith
1-5, 35, 36, 42, 46-50, 57, 60, 69-71,
91, 92, 94, 105, 108. H1, 2, 6, 19-21, 35.
 - 3 **murale** (Hedw.) Br. Eur. (1)
(1), 2-26, 28-30, 32-78, 80-92, 94, 95,
98, 99, 101, 103, 104, 106, 108, 111,
112. H1, 2, 4, 5, 7-9, 12, 14, 15, 17-25,
27-29, 33, 34, 36-40. C.
 - 4 **confertum** (Dicks.) Br. Eur.
1-91, 93, 95-106, 109-112. H1-14,
16-40. C.

- 5 **megapolitanum** (Web. & Mohr) Br. Eur.
(1)
1–20, (21), 22–30, 37, 38, 41, 44–46, 48,
49, 51, 52, 54, 56–60, 67, 71, 73, 75, 85,
90. H1, 6, 20, 21, 33. C.
 - 6 **rotundifolium** (Brid.) Br. Eur.
(6), 14, (33).
155. **Eurhynchium** Br. Eur.
- 1 **striatum** (Hedw.) Schimp.
1–112. H1–40. C.
 - 2 **meridionale** (Br. Eur.) De Not.
9.
 - 3 **pulchellum** (Hedw.) Jenn.
†^a var. **pulchellum**
(2, 3).
†^b var. **diversifolium** (Br. Eur.) C. Jens.
(90).
c var. **praecox** (Hedw.) Dix.
26.
 - 4 **pumilum** (Wils.) Schimp.
1–45, 47–52, 54–77, 80–91, 94, 95,
97–106, 108, 109, 111. H1–6, 8, 9,
11–16, 19–22, 27–29, 32–35, 37–40. C.
 - 5 **praelongum** (Hedw.) Br. Eur.
a var. **praelongum**
1–112. H1–40. C.
b var. **stokesii** (Turn.) Dix.
1–11, 15, 19, 20, 22, 27, 29, 33–52,
55–58, 60–71, 73, 74, 76, 78–83, 85, 86,
88, 90–92, 94–111. H1–3, 7, 10, 12–18,
20–23, 25–34, 36–40. C.
 - 6 **swartzii** (Turn.) Curn.
a var. **swartzii**
1–112. H1–40. C.
b var. **rigidum** (Boul.) Thér.
1, 3, 5–7, 9–14, 17, 18, 22, 23, 28, 29,
33–36, 62, 64, 65, 67, 68, 70, 72, 80, 81,
88, 90, 91, 98, 105, 108. H9, 26, 29, 34.
 - 7 **schleicheri** (Hedw. f.) Milde (1)
3–17, 19, 20, 22–24, 27, 33–37, 40–43,
50, 60, 62, 64, 67–69, 80, 81. H10.

- 8 **speciosum** (Brid.) Jur. (1)
1-3, 5-15, 17, 19, 20, (21), 22-25, 28,
29, 32, 33, 36, 37, (38), 40-42, 44-46,
(48, 49), 52, 54, 55, 58-62, (63), 64,
(68), 69, 71, 73-75, 81, 90, 91, 98, 101,
102, 109. H2, 4-6, 9, 20-22, 25, 28,
35-40. C.
156. **Rhynchostegiella** (Br. Eur.) Limpr.
 - 1 **tenella** (Dicks.) Limpr.
 - a var. **tenella**
1-25, 27, 29, 30, 32-79, 81-86, 88-91,
97-104, 106, 108. H1-23, 25-40. C.
 - b var. **litorea** (De Not.) Rich. & Wall.
3, 5, 6, 11, 13-17, 19, (21), 22, 23, 29.
 - 2 **curviseta** (Brid.) Limpr.
2, 3, 5-17, 22, 23, 30, 32-38, 40, (62).
H1, 29, 33, 39. C.
 - 3 **teesdalei** (Br. Eur.) Limpr. (1)
1-3, 5-12, 14, 22, 23, 33-37, (38),
40-45, 47, 49-53, 57-70, 72, 73, 75-77,
80-83, 85-91, 98-100, 108, 111. H3, 6,
9-11, 15, 16, 20, 21, 28, 29, 33, 34,
38-40. C.
157. **Orthothecium** Br. Eur.
 - 1 **rufescens** Br. Eur. (1)
(48), 49, (62), 64, 65, 69, 86-90, 92,
96-99, 103-105, 107, 108, 111. H9, 28,
29.
 - 2 **intricatum** (Hartm.) Br. Eur.
4, 6, 34-36, 42, 43, 47-50, 52, 57, 59,
60, 62-67, 69-73, 75-80, 83, 86-92, 94,
96-108, 111, 112. H1, 2, 7, 16, 27-29,
33-35, 39.
158. **Entodon** C. Muell.
 - 1 **concinus** (De Not.) Paris (1)
6-17, (19), 20, 22-24, 29, 30, 32-34,
36-39, 41, 49, 50, 52-55, 57, (59),
60-62, 64-67, 69-71, 80, 82, 83, 85-90,
92, 97, 98, 101-106, 108-110. H1, 6, 8,
9, 15, 16, 19-22, 25-30, 33-35, 38-40.

159. **Plagiothecium** Br. Eur.

- 1 **latebricola** Br. Eur. (1)
2-26, 33-41, 43, 45, 47-51, 54, 55, 57,
58, (59), 62-65, (81), 86. H29.
- 2 **piliferum** (Sw. ex Hartm.) Br. Eur.
88, 90.
- 3 **denticulatum** (Hedw.) Br. Eur.
 - a var. **denticulatum**
1-20, 22-55, 57-110, 112. H3, 8, 10, 12,
13, 20, 22, 24-26, 33, 36-39. C.
 - b var. **obtusifolium** (Turn.) Moore
2, 42, 48, 49, 64, 65, 69, 70, 72, 78,
86-90, 92, 94-101, 104-108. H1, 3, 7,
35, 40.
- 4 **ruthei** Limpr.
1-3, 5, 6, 9-12, 16-19, 22-24, 28-31,
37-39, 41-43, 46, 47, 49, 50, 54, 55,
60-65, 68, 70, 71, 98, 102, 104, 105.
- 5 **curvifolium** Schlieph.
5-40, 42, 44, 47, 49-51, 53-55, 57,
59-70, 72, 73, 75, 77, 78, 80, 82-86,
88-92, 94-96, 98, 99, 104, 106, 107. C.
- 6 **laetum** Br. Eur.
39, 48, 50, 57, 58, 60, 63-70, 77-79, 83,
86, 88-92, 95, 96, 98, 99, 101, 105, 106,
109. H21, 33.
- 7 **platyphyllum** Moenk.
49, 69, 70, 88-90, 92, 96-98, 104-108.
H20, 21.
- 8 **cavifolium** (Brid.) Iwats.
45, 46, 48, 49, 60, 62, 70, 81-83, 87, 88,
90, 92, 93, 95-98, 101, 103, 105-108.
H1, 34.
- 9 **succulentum** (Wils.) Lindb.
1-20, 22-25, 28, 30, 32, 34-112. H1-10,
12, 15-18, 20, 22, 24, 26-30, 32-35,
38-40. C.
- 10 **nemorale** (Mitt.) Jaeg.
1-31, 33-55, 57, 61-77, 79, 80, 83, 84,
86-88, 90, 91, 94, 95, 97-105, 108-112.
H1-3, 5-7, 9-11, 16, 20, 21, 25, 27-30,
34-40. C.

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- 11 **undulatum** (Hedw.) Br. Eur.
1-30, 32, 34-112. H1-14, 16, 17, 20, 21,
23-40. C.
160. **Herzogiella** Broth.
 - 1 **striatella** (Brid.) Iwats.
71, 86-90, 92, 94, 96-99, 105-109.
 - 2 **seligeri** (Brid.) Iwats. (1)
6, 11-17, 19, 22-27, 29, (61), 62.
161. **Isopterygium** Mitt.
 - 1 **pulchellum** (Hedw.) Jacq.
3, 5, 35, 36, 42-44, 46-50, 57, 59, 60,
62-70, 72, 73, 75-83, 85-92, 94-101,
103-108, 110, 111. H1-3, 6-8, 10, 16,
20, 21, 27-29, 33-35, 38-40.
 - 2 **elegans** (Brid.) Lindb.
1-25, 27-30, 32-112. H1-14, 16, 19-23,
25-40. C.
162. **Isopterygiopsis** Iwats.
 - 1 **muellerana** (Schimp.) Iwats.
49, 87-90, 97, 98, 103-108. H1.
163. **Taxiphyllum** Fleisch.
 - 1 **wissgrillii** (Garov.) Wijk & Marg.
3-17, 19-24, 33-38, 40-44, 47-52,
56-70, 72, 73, 75, 77, 81-90, 97, 98,
101, 108. H2, 9, 11, 16, 21, 23, 28, 29,
33, 34, 38-40.
164. **Sematophyllum** Mitt.
 - 1 **demissum** (Wils.) Mitt. (1)
48, (49). H1-3.
 - 2 **micans** (Mitt.) Braithw. (1)
(48), 70, 86, 97-99, 101, 103-105.
H1-3, 16.
165. **Pylaisia** Br. Eur.
 - 1 **polyantha** (Hedw.) Br. Eur.
6-8, 13-15, (19), 22, 23, 33, 34, 36, 37,
(38), 40, 48, (52, 54), 55, 57, 61, 62,
(63), 64-70, 73-75, 78, 80-82, (83), 85,
88-91. H1, 2, 5. C.

166. **Platygyrium** Br. Eur.
 - 1 **repens** (Brid.) Br. Eur.
6, 17, 22, 23, 29, 31, 35, 50, 82.
167. **Homomallium** (Schimp.) Loeske
 - 1 **incurvatum** (Brid.) Loeske
57, 64-66, 69, 70, 75, 84, 87-89.
168. **Hypnum** Hedw.
 - 1 **revolutum** (Mitt.) Lindb.
88.
 - 2 **vaucheri** Lesq.
88.
 - 3 **cupressiforme** Hedw.
 - a var. **cupressiforme**
1-112. H1-40. C.
 - b var. **resupinatum** (Tayl.) Schimp.
1-112. H1-40. C.
 - c var. **lacunosum** Brid.
1-20, 22-30, 32-55, 57-112. H1-3, 5-9,
11-17, 19-31, 33-40. C.
 - 4 **mammillatum** (Brid.) Loeske
1-9, 11-14, 16, 17, 20, 22, 24, 33-37,
40-52, 60, (63), 64-67, 69, 70, 72-78,
80-83, 86-88, 90-93, 96-108. H1-4,
6-8, 12, 16, 20, 23, 25-30, 33, 38. C.
 - †4A **uncinulatum** Jur. (74)
H(2).
 - 5 **jutlandicum** Holmen & Warncke
1-112. H1-40. C.
 - 6 **imponens** Hedw.
3, 8, 11-15, 17, 22, 28, 49, 59-62, 64,
67-70, 72, 77-83, 88, 95, 98, 105.
 - 7 **bambergeri** Schimp. (1)
88-90, 96-98.
 - 8 **lindbergii** Mitt.
1-9, 11-20, 22-24, 30, 31, 33-53, 55,
57-60, 62-91, 93-95, 97-106. H1-16,
19, 20, 22, 23, 26-29, 31-40.

- 9 **callichroum** Brid.
48, 49, (50, 51), 64, 67–70, 72, 73, 78,
85–90, 92, 96–108, 110, 111. H1, 2, 16,
27–29, 34, 35.
- 10 **hamulosum** Br. Eur. (1)
48, 49, 64, 69, 70, 87–92, 94, 96–98,
103–108.
169. **Ptilium** De Not.
 - 1 **crista-castrensis** (Hedw.) De Not. (1)
26, 28, 48, 49, 60, (62, 64), 65, 69, 70,
72, 73, 78–80, (81, 83), 85–99, 101–108.
170. **Ctenidium** (Schimp.) Mitt.
 - 1 **molluscum** (Hedw.) Mitt.
 - a var. **molluscum**
1–112. H1–40. C.
 - b var. **fastigiatum** (Bosw. ex Hobk.)
Braithw.
4, 39, 41, 57, 62, 64, 65, 70, 88, 96–98,
103, 105, 108. H1, 2, 9, 28, 29, 33.
 - c var. **condensatum** (Schimp.) Britt.
5, 36, 37, 39, 40, 42, 46, 47, 49, 57, 59,
64–70, 72, 74, 78, 80, 81, 83, 85–88,
90–92, 94, 96–108, 110–112. H1–3, 6, 7,
16, 20, 31, 33, 35, 36, 39.
 - d var. **robustum** Boul.
48, 64, 69, 70, 72, 73, 86, 88, 90, 92, 98,
99, 103, 104, 110. H1, 2, 6, 38, 39.
 - 2 **procerrimum** (Mol.) Lindb.
88, 96.
171. **Hyocomium** Br. Eur.
 - 1 **armoricum** (Brid.) Wijk & Marg.
1–6, 11, 13–16, 34, 35, 39–50, (55),
57–60, 62–76, 78–80, 86–88, 90–92,
96–112. H1–14, 16, 18, 20, 21, 26–31,
33–40.
172. **Rhytidium** (Sull.) Kindb.
 - 1 **rugosum** (Hedw.) Kindb. (1)
6, (23), 26, 28, (29), 36, 39, 49, 57, (59),
60, 64–66, 69, 70, 82, 85–90, 92, 96–98,
103–106, 108. H40.

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173. **Rhytidiadelphus** (Warnst.) Warnst.
 - 1 **triquetrus** (Hedw.) Warnst.
1-17, (18), 19, 20, (21), 22-62, (63),
64-112. H1-40. C.
 - 2 **squarrosus** (Hedw.) Warnst.
1-112. H1-40. C.
 - 3 **subpinnatus** (Lindb.) Kop. (3)
(36), 44, (48, 57, 58, 64, 65, 69). H6.
 - 4 **loreus** (Hedw.) Warnst.
1-17, (18, 20, 21), 22, 23, 25-27, 29,
32-52, (54, 55), 56-60, 62, (63), 64-112.
H1-22, 24-40. C.
174. **Pleurozium** Mitt.
 - 1 **schreberi** (Brid.) Mitt.
1-112. H1-40. C.
175. **Hylacomium** Br. Eur.
 - 1 **brevirostre** (Brid.) Br. Eur. (1)
1-6, 8, 9, 11-17, (20), 22-24, 29, 32-37,
(38), 39, 40, 42-50, 55, 57-60, (62, 63),
64, 65, 67, 69, 70, 72-77, 79, 80, 86-89,
(90), 92, 96-105, 107, 108, 110. H1-10,
12-18, 20-36, 38-40. C.
 - 2 **pyrenaicum** (Spruce) Lindb. (1)
88-90, 96-98, 104-107.
 - 3 **umbratum** (Hedw.) Br. Eur. (1)
46-49, 69, 70, 72, 73, 75, 76, 78, 80,
86-90, 92, 94, 96-108, 110. H1, 2, 16,
27-29, 35, 39.
 - 4 **splendens** (Hedw.) Br. Eur.
1-17, (18, 19), 20, (21), 22-112. H1-40.
C.

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NOTES

1. A map of the distribution of this taxon has been published by the B.B.S.; for the bibliographic reference, refer to the Index of Maps, p. 142.
2. The vice-county distribution of this taxon has been revised by M.F.V.C.; a manuscript list of localities has been retained by the appropriate Recorder.
3. The vice-county distribution of this taxon has been revised by M.O.H.; a manuscript list of localities has been retained by the Recorder of Mosses.
4. The vice-county distribution of this taxon is in need of revision; the data given here cannot be regarded as entirely reliable.
5. *Anthoceros agrestis*, *A. punctatus*, for the distinction between these species, see Paton (1979), *J. Bryol.* **10**, 257–61.
6. *Phaeoceros laevis* ssp. *carolinianus*, for a description, see Paton (1973), *J. Bryol.* **7**, 541–43.
7. *Riccia cavernosa*, *R. crystallina*, *R. huebenerana*, for the distinction between these species, see Paton (1967), *Trans. Br. bryol. Soc.* **5**, 222–25.
8. *Riccia fluitans*, *R. canaliculata*, for the distinction between these species, see Paton (1973), *J. Bryol.* **7**, 253–59.
9. *Riccia fluitans*, *R. rhenana*, for the distinction between these species, see Jones (1952).
10. *Riccia crozalsii*, *R. bifurca*, for revised descriptions and a revision of their distribution, see Paton (1980), *J. Bryol.* **11**, 1–6.
11. *Metzgeria fruticulosa*, *M. temperata*, for the distinction between these species, see Paton (1977), *J. Bryol.* **9**, 441–49.
12. *Aneura*, *Riccardia*, the oil bodies can be useful in distinguishing the species; see Little (1968), *Trans. Br. bryol. Soc.* **5**, 536–40.
13. *Cryptothallus mirabilis*, for a description, see Williams (1950), *Trans. Br. bryol. Soc.* **1**, 357–66.
14. *Pellia borealis* is treated here as a synonym of *P. epiphylla*; see Paton & Newton (1967), *Trans. Br. bryol. Soc.* **5**, 226–31.
15. *Moerckia flotoviana* is treated here as a synonym of *M. hibernica*; see de Sloover (1959), *Bull. Jard. bot. Brux.* **29**, 157–81.
16. *Fossombronina pusilla* var. *maritima*, new variety, described by Paton (1973), *J. Bryol.* **7**, 243–52.

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17. *Fossombronina incurva*, for a description, see Crundwell (1965), *Trans. Br. bryol. Soc.* **4**, 767–74.
18. *Fossombronina fimbriata*, new species, described by Paton (1974), *J. Bryol.* **8**, 1–4.
19. *Barbilophozia atlantica*, for a revised description, see Fitzgerald & Fitzgerald (1962), *Trans. Br. bryol. Soc.* **4**, 214–20.
20. *Lophozia ventricosa*, *L. guttulata*, this complex is in need of taxonomic revision. For a description of var. *silvicola*, see Jones (1952). The records of var. *ventricosa* are very incomplete. The aggregate is recorded from all vice-counties except 19, 31, 33, 53, H5, H9, H11, H19, H24; there are no recent records from vice-counties 23, 29.
21. *Lophozia perssonii*, for a description, see Paton & Birks (1968), *Trans. Br. bryol. Soc.* **5**, 439–42.
22. *Lophozia capitata*, for a description, see Jones (1950), *Trans. Br. bryol. Soc.* **1**, 353–56.
23. *Lophozia opacifolia*, for a description, see Jones (1957), *Trans. Br. bryol. Soc.* **3**, 180.
24. *Solenostoma triste* and *S. sphaerocarpoideum* are treated here as a single species, *Jungermannia atrovirens*; see Váňa (1973), *Folia geobot. phytotax. bohemoslovaca* **8**, 255–309.
25. *Jungermannia borealis*, for a description, see Paton (1968), *Trans. Br. bryol. Soc.* **5**, 435–38.
26. *Jungermannia confertissima*, for a description, see Paton (1970), *Trans. Br. bryol. Soc.* **6**, 50–55.
27. *Marsupella ustulata* is treated here as a synonym of *M. sprucei*; see Grolle (1975), *Lindbergia* **3**, 47–56.
28. *Marsupella stableri* is of uncertain status, and should perhaps be regarded as a variety of *M. boeckii*.
29. *Southbya nigrella*, *S. tophacea*, for the distinction between these species, see Paton (1971), *Trans. Br. bryol. Soc.* **6**, 328–30.
30. *Plagiochila porelloides*, *P. asplenioides*, *P. britannica*, for the distinction between these species, see Paton (1979), *J. Bryol.* **10**, 245–56.
31. *Plagiochila atlantica*, *P. spinulosa*, for the distinction between these species, see Jones & Rose (1975), *J. Bryol.* **8**, 417–22.
32. *Plagiochila spinulosa*, *P. killarniensis*, *P. punctata*, for the distinction between these species, see Paton (1977), *J. Bryol.* **9**, 451–59.
33. *Leptoscyphus cuneifolius*, for a revised description, see Paton (1967), *Trans. Br. bryol. Soc.* **5**, 232–36.
34. *Lophocolea bidentata*, *L. cuspidata*, for the distinction between these species, see Steel (1978), *J. Bryol.* **10**, 49–59.

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35. *Lophocolea bispinosa*, for a description, see Paton (1974), *J. Bryol.* **8**, 191–96.
36. *Lophocolea semiteres*, for a description, see Paton (1965), *Trans. Br. bryol. Soc.* **4**, 775–79.
37. *Chiloscyphus polyanthus* var. *fragilis*, illustrated as Fig. 5 on p. 247 of Macvicar (1926), is now referred to *C. pallescens*.
38. *Scapania crassiretis*, British records are erroneous; see Paton (1975), *J. Bryol.* **8**, 493.
39. *Scapania calcicola*, *S. cuspiduligera*, for the distinction between these species, see Paton & Duckett (1970), *Bot. J. Linn. Soc.* **63**, 177–87.
40. *Scapania scandica*, *S. curta*, *S. praetervisa*, for the differences between these species, see Perry (1965), *Trans. Br. bryol. Soc.* **4**, 785–89.
41. *Scapania lingulata*, for a description, see Paton (1981), *J. Bryol.* **11**, 399–403.
42. *Scapania parvifolia*, for a description, see Jones (1963), *Trans. Br. bryol. Soc.* **4**, 463.
43. *Scapania degenii*, for a revised description, see Paton (1966), *Trans. Br. bryol. Soc.* **5**, 83–85.
44. *Scapania paludicola*, for a description, see Paton (1981), *J. Bryol.* **11**, 405–07.
45. *Scapania aequiloba*, *S. aspera*, for the distinction between these species and a revision of the distribution of *S. aequiloba*, see Long (1978), *Bull. Br. bryol. Soc.* **31**, 26–29.
46. *Cephalozia bicuspidata*, the subspecies are in need of revision; the distinguishing characters are not clearly understood, nor is it known whether the cytological races correlate fully with morphological differences.
47. *Telaranea nematodes*, for a description, see Jones (1952).
48. *Telaranea murphyae*, new species, described by Paton (1965), *Trans. Br. bryol. Soc.* **4**, 775–79.
49. *Calypogeia*, for a monograph of the genus in Britain, see Paton (1962), *Trans. Br. bryol. Soc.* **4**, 221–29.
50. *Herbertus borealis*, new species, described by Crundwell (1970), *Trans. Br. bryol. Soc.* **6**, 41–49.
51. *Lejeunea*, the form and number of oil bodies in each cell is very useful in this genus. *L. cavifolia* and *L. holtii* have numerous (ca 25–50) small, simple, long-persisting oil bodies. *L. mandonii* has 4–14 intermediate-sized, compound, non-persistent oil bodies. The remaining species have rather few (usually less than 9) larger, compound, non-persistent oil bodies.

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52. *Sphagnum capillifolium*, distribution is based on combined records of *S. capillaceum* and *S. rubellum* in Warburg (1963).
53. *Sphagnum subsecundum*, distribution has been revised; see Hill (1975), *Bull. Br. bryol. Soc.* **26**, 24–25.
54. *Sphagnum recurvum* var. *mucronatum* is much the commonest segregate of the *recurvum* complex in Britain and Ireland. Its distribution here is based on the aggregate distribution in Warburg (1963).
55. *Andreaea obovata* var. *papillosa*, distribution has presented great difficulties; the taxonomy is still unclear. Only robust plants from high altitudes in the Cairngorm Mountains are recognized as belonging to this taxon here. Other British plants labelled *A. rupestris* var. *acuminata* are smaller, and have been referred to *A. rupestris* var. *rupestris*.
56. *Andreaea crassinervia* is a poorly marked taxon in Britain, intergrading completely with *A. rothii*. The remarks in Dixon & Jameson (1924) are apposite.
57. *Ditrichum pusillum*, distribution has been revised for this edition by Dr H. L. K. Whitehouse.
58. *Seligeria brevifolia*, for a description, see Hill (1980), *J. Bryol.* **11**, 7–10.
59. *Dichodontium flavescens*, only plants with capsules have been accepted for the revised vice-county distribution.
60. *Leucobryum glaucum*, *L. juniperoideum*, sterile plants may be distinguished by the following recipe, due to A. C. Crundwell. Take six well grown leaves and place them on a microscope slide with the concave (ventral) face upwards. Under the high power of the microscope, count the upper epidermal cells, to the nearest tenth of a cell under 100 divisions of the eye-piece scale across the face of each leaf at its widest part. From the six numbers obtained, calculate an average value. The mean width of the cells is about 34 μm in *L. glaucum*, 27 μm in *L. juniperoideum*.
61. *Fissidens viridulus*, *F. limbatus*, *F. pusillus*, for the distinction between these species as understood here, see Corley (1980), *J. Bryol.* **11**, 191–208.
62. *Encalypta brevicollis*, for the occurrence of this species in Britain, see Horton (1980), *J. Bryol.* **11**, 209–12.
63. *Acaulon minus* cannot be maintained as a taxon distinct from *A. muticum* (Hill, in preparation).
64. *Gymnostomum calcareum*, Scottish distribution has been revised, because there was formerly confusion with *Anoetangium warburgii*; see Hill (1978), *Bull. Br. bryol. Soc.* **32**, 19.

65. *Weissia controversa* var. *crispata* is a poorly marked taxon in Britain; only plants with the nerve at least 80 μ m wide on some leaves have been accepted here. Such plants were almost entirely confined to chalk and limestone.
66. *Racomitrium affine*, distribution is based mainly on plants with capsules. Non-fruiting plants have been accepted as *R. affine* only if they were clearly too small to be *R. heterostichum*.
67. *Funaria muhlenbergii*, distribution has been revised, as there was formerly confusion with *F. pulchella*; see Crundwell & Nyholm (1974), *Lindbergia* 2, 222–29.
68. *Pohlia proligera*, distribution is based on that of *P. annotina* in Warburg (1963). *P. proligera* is much the commonest bulbiliferous species of *Pohlia* in the British Isles, so the distribution is not likely to be in error.
69. *B. capillare* var. *rufifolium*, *B. elegans*, *B. stirtonii*, *B. flaccidum*, *B. torquescens*, distributions are based on revision by Syed (1973), *J. Bryol.* 7, 265–326.
70. *Bryum creberrimum*, *B. pallescens*, distributions have been revised by Dr A. J. E. Smith; manuscript lists of records are in the care of the Recorder of Mosses.
71. *Mnium marginatum* var. *dioicum*, all confirmed records are of male plants.
72. *Orthotrichum cupulatum*, distribution of the varieties is not reliable, as the criteria used to distinguish them have not been applied consistently.
73. *Brachythecium salebrosum* and *B. mildeanum* have often been confused in Britain but may be distinguished as follows. *B. salebrosum*, leaves markedly plicate; margin narrowly recurved above, denticulate towards apex, evidently so in the acumen; differentiated cells at basal angles normally few, occasionally more numerous. *B. mildeanum*, leaves not plicate; margin plane above, entire or nearly so; quadrate cells at basal angles numerous, forming a well defined patch. *B. rutabulum* differs from both species in having leaves that are strongly denticulate from base to apex.
74. *Hypnum uncinulatum* has been reinstated as an Irish species; see Ando & Townsend (1980), *J. Bryol.* 11, 185–89.

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UNDER THE AUSPICES of its mapping scheme, the British Bryological Society has been publishing maps of bryophyte distributions in the British Isles. Distributions are indicated by dot-maps, showing occurrence in 10 km squares of the British and Irish National Grids. Those maps that have hitherto been published are listed below.

In order to save space, species names have been abbreviated. The following abbreviations have been used for the citations. *JB* = *Journal of Bryology*, *PA* = *Provisional Atlas of the Bryophytes of the British Isles* (Smith, 1978b), *TBBS* = *Transactions of the British Bryological Society*.

Acau	muti,	<i>PA</i> 2	cana,	<i>TBBS</i> 5, 369, 1967	
Acro	wils,	<i>TBBS</i> 4, 737, 1964	creb,	<i>JB</i> 8, 126, 1974	
Adel	deci,	<i>TBBS</i> 4, 506, 1963	doni,	<i>JB</i> 7, 457, 1973	
Anas	orca,	<i>PA</i> 70	dune,	<i>JB</i> 10, 45, 1978	
Anas	doni,	<i>TBBS</i> 4, 874, 1965	gemmaif,	<i>JB</i> 10, 38, 1978	
	joer,	<i>TBBS</i> 4, 875, 1965	gemmaif,	<i>JB</i> 10, 40, 1978	
Anom	viti,	<i>PA</i> 3	know,	<i>JB</i> 7, 452, 1973	
Anth	punc,	<i>PA</i> 71	mami,	<i>TBBS</i> 6, 153, 1970	
Anti	curt,	<i>JB</i> 8, 128, 1974	marr,	<i>JB</i> 7, 450, 1973	
Apha	micr,	<i>TBBS</i> 5, 836, 1969	mild,	<i>TBBS</i> 4, 740, 1964	
Apom	pube,	<i>TBBS</i> 5, 589, 1968	palles,	<i>JB</i> 8, 127, 1974	
Arch	alte,	<i>PA</i> 4	turb,	<i>JB</i> 7, 455, 1973	
Arct	fulv,	<i>TBBS</i> 6, 148, 1970	ulig,	<i>JB</i> 7, 454, 1973	
Atri	angu,	<i>JB</i> 8, 495, 1975	warn,	<i>JB</i> 7, 451, 1973	
	cris,	<i>TBBS</i> 5, 362, 1967	weig,	<i>JB</i> 7, 456, 1973	
	tene,	<i>JB</i> 8, 496, 1975	Buxb	aphy,	<i>JB</i> 8, 497, 1975
Aula	andr,	<i>PA</i> 5	Call	trif,	<i>TBBS</i> 4, 515, 1963
Aula	turg,	<i>TBBS</i> 5, 599, 1968	Caly	argu,	<i>PA</i> 75
Barb	quad,	<i>JB</i> 10, 78, 1978		inte,	<i>JB</i> 10, 74, 1978
Barb	horn,	<i>PA</i> 6		spha,	<i>JB</i> 8, 384, 1975
	refl,	<i>PA</i> 7		succ,	<i>JB</i> 10, 75, 1978
	vine,	<i>PA</i> 8	Camp	intr,	<i>JB</i> 8, 294, 1975
Bazz	pear,	<i>TBBS</i> 4, 507, 1963		poly,	<i>JB</i> 8, 296, 1975
	tril,	<i>PA</i> 73		seti,	<i>TBBS</i> 6, 149, 1970
Blep	tric,	<i>PA</i> 74		shaw,	<i>TBBS</i> 5, 161, 1966
Brac	glar,	<i>PA</i> 9	Cato	nigr,	<i>TBBS</i> 5, 163, 1966
Bryu	bico,	<i>JB</i> 10, 34, 1978	Ceph	leuc,	<i>TBBS</i> 5, 359, 1967
	calo,	<i>JB</i> 7, 453, 1973		loit,	<i>TBBS</i> 5, 358, 1967

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	macr,	TBBS 6, 332, 1971	Erem	myri,	TBBS 5, 155, 1966
	plen,	TBBS 5, 357, 1967	Eucl	vert,	PA 23
Ceph	inte,	TBBS 5, 158, 1966	Eurh	schl,	PA 24
	turn,	TBBS 5, 159, 1966		spec,	PA 25
Chan	seti,	TBBS 5, 154, 1966	Fiss	alga,	JB 7, 89, 1972
Cinc	font,	PA 10		cras,	JB 7, 90, 1972
	mucr,	PA 11		exig,	JB 7, 93, 1972
Clad	flui,	PA 76		exil,	PA 26
Colo	calc,	TBBS 5, 592, 1968		incu,	PA 27
	rose,	PA 77		mong,	JB 7, 93, 1972
Colu	caly,	TBBS 4, 738, 1964		poly,	TBBS 4, 887, 1965
Cono	tetr,	TBBS 6, 155, 1970		rivu,	JB 7, 92, 1972
Cosc	crib,	TBBS 5, 162, 1966		rufu,	JB 7, 91, 1972
Cryp	hete,	PA 12		serr,	TBBS 4, 886, 1965
Cryp	mira,	TBBS 5, 588, 1968	Foss	angu,	TBBS 4, 876, 1965
Cycl	lact,	TBBS 5, 839, 1969		fove,	PA 79
Cyno	brun,	PA 13		pusi,	PA 80
Dalt	spla,	JB 8, 129, 1974		wond,	PA 81
Dicr	cerv,	PA 14	Frul	frag,	PA 82
	rufe,	PA 15		micr,	PA 83
Dicr	cirr,	PA 16		tene,	JB 9, 113, 1976
Dicr	flag,	TBBS 4, 517, 1963	Geoc	grav,	TBBS 4, 737, 1964
	mont,	TBBS 4, 516, 1963	Glyp	davi,	JB 9, 122, 1976
	poly,	TBBS 4, 884, 1965	Gong	eric,	JB 8, 387, 1975
	scot,	JB 8, 498, 1975	Grim	affi,	TBBS 6, 341, 1971
	spur,	TBBS 4, 885, 1965		atra,	TBBS 5, 596, 1968
	taur,	PA 17		doni,	TBBS 6, 338, 1971
	undu,	TBBS 5, 366, 1967		v. curv,	TBBS 6, 339, 1971
Dipl	obtu,	PA 78		elon,	TBBS 6, 342, 1971
	taxi,	TBBS 6, 147, 1970		funa,	TBBS 6, 344, 1971
Disc	nudu,	JB 7, 449, 1973		hart,	TBBS 6, 346, 1971
Dist	capi,	PA 18		incu,	TBBS 6, 343, 1971
Ditr	corn,	JB 9, 398, 1977		laev,	TBBS 6, 337, 1971
	flex,	PA 19		mont,	TBBS 6, 340, 1971
	line,	JB 9, 397, 1977		orbi,	TBBS 6, 151, 1970
	plum,	JB 9, 398, 1977		oval,	TBBS 6, 336, 1971
	zona,	JB 9, 399, 1977		retr,	TBBS 6, 347, 1971
	v. scab,	JB 9, 400, 1977		torq,	TBBS 6, 345, 1971
Doui	ovat,	TBBS 5, 591, 1968	Gymn	cren,	TBBS 4, 877, 1965
Drep	hama,	TBBS 4, 739, 1964	Gymn	calc,	TBBS 5, 595, 1968
Dryp	pate,	TBBS 6, 348, 1971	Gyro	tenu,	PA 28
Dumo	hirs,	TBBS 6, 141, 1970	Habr	perp,	TBBS 4, 743, 1964
Enca	alpi,	TBBS 5, 837, 1969	Hapl	hook,	TBBS 6, 142, 1970
	rhap,	TBBS 6, 150, 1970	Harp	ovat,	PA 84
	stre,	PA 20	Harp	flot,	JB 9, 111, 1976
	vulg,	PA 21		scut,	TBBS 5, 157, 1966
Ento	conc,	PA 22	Hedw	cili,	PA 29

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	inte,	<i>TBBS</i> 4, 519, 1963	Mniu	spin,	<i>TBBS</i> 5, 838, 1969
Herb	adun,	<i>TBBS</i> 4, 879, 1965		thom,	<i>TBBS</i> 6, 154, 1970
	stra,	<i>TBBS</i> 4, 878, 1965	Moer	blyt,	<i>TBBS</i> 5, 151, 1966
Herz	seli,	<i>PA</i> 30	Myur	jula,	<i>JB</i> 9, 402, 1977
Homa	nite,	<i>PA</i> 31		v. scab,	<i>JB</i> 9, 403, 1977
Hook	luce,	<i>PA</i> 32	Myur	hoch,	<i>TBBS</i> 5, 164, 1966
Hylo	brev,	<i>PA</i> 33	Nard	comp,	<i>PA</i> 93
	pyre,	<i>TBBS</i> 5, 841, 1969		geos,	<i>PA</i> 94
	umbr,	<i>TBBS</i> 5, 842, 1969	Neck	pumi,	<i>PA</i> 36
Hyop	stan,	<i>JB</i> 7, 94, 1972	Nowe	curv,	<i>PA</i> 95
Hypn	bamb,	<i>TBBS</i> 5, 840, 1969	Octo	font,	<i>TBBS</i> 4, 522, 1963
	hamu,	<i>TBBS</i> 6, 156, 1970	Oedi	grif,	<i>TBBS</i> 6, 152, 1970
Jame	autu,	<i>JB</i> 8, 385, 1975	Orth	grac,	<i>JB</i> 9, 401, 1977
Jubu	hutc,	<i>PA</i> 85		line,	<i>PA</i> 37
Jung	bore,	<i>JB</i> 9, 110, 1976	Orth	rufe,	<i>TBBS</i> 4, 523, 1963
	caes,	<i>TBBS</i> 5, 156, 1966	Orth	lyel,	<i>PA</i> 38
Kurz	pauc,	<i>PA</i> 87		rivu,	<i>PA</i> 39
Leio	gill,	<i>JB</i> 10, 77, 1978		stri,	<i>PA</i> 40
	hete,	<i>TBBS</i> 5, 590, 1968	Oxys	hibe,	<i>JB</i> 8, 499, 1975
Leje	flav,	<i>TBBS</i> 5, 834, 1969		sinu,	<i>PA</i> 41
	hibe,	<i>TBBS</i> 5, 360, 1967	Pedi	inte,	<i>TBBS</i> 5, 356, 1967
	holt,	<i>TBBS</i> 5, 835, 1969	Peta	ralf,	<i>TBBS</i> 5, 152, 1966
	mand,	<i>JB</i> 8, 124, 1974	Phae	laev,	<i>PA</i> 72
	ulic,	<i>PA</i> 86	Phil	calc,	<i>PA</i> 42
Lepi	cupr,	<i>TBBS</i> 5, 831, 1969		rigi,	<i>JB</i> 10, 81, 1978
Lept	pyri,	<i>PA</i> 34	Phys	pate,	<i>PA</i> 43
Lept	smit,	<i>TBBS</i> 4, 744, 1964	Phys	eury,	<i>TBBS</i> 6, 349, 1971
Lept	flex,	<i>PA</i> 35		spha,	<i>TBBS</i> 6, 349, 1971
	recu,	<i>TBBS</i> 4, 521, 1963	Plag	carr,	<i>TBBS</i> 4, 508, 1963
Lept	cune,	<i>TBBS</i> 4, 512, 1963		corn,	<i>JB</i> 8, 388, 1975
Lesc	pate,	<i>JB</i> 9, 406, 1977	Plag	late,	<i>JB</i> 9, 123, 1976
Leuc	sciu,	<i>JB</i> 8, 502, 1975	Plat	jung,	<i>TBBS</i> 5, 600, 1968
Loph	frag,	<i>TBBS</i> 4, 510, 1963	Pleu	squa,	<i>TBBS</i> 5, 367, 1967
	hete,	<i>PA</i> 88	Pleu	albe,	<i>TBBS</i> 5, 153, 1966
Loph	inci,	<i>PA</i> 89	Pleu	purp,	<i>TBBS</i> 5, 833, 1969
	obtu,	<i>JB</i> 10, 76, 1978	Pogo	nanu,	<i>PA</i> 44
Lunu	cruc,	<i>PA</i> 90	Poly	sexa,	<i>TBBS</i> 5, 593, 1968
Marc	mack,	<i>PA</i> 91	Pore	arbo,	<i>PA</i> 96
Mars	alpi,	<i>TBBS</i> 6, 146, 1970		plat,	<i>PA</i> 97
	brev,	<i>TBBS</i> 6, 144, 1970	Pott	bryo,	<i>PA</i> 45
	func,	<i>PA</i> 92		heim,	<i>PA</i> 46
	stab,	<i>TBBS</i> 6, 145, 1970		lanc,	<i>PA</i> 47
Mast	wood,	<i>TBBS</i> 4, 511, 1963		rect,	<i>PA</i> 48
Mees	ulig,	<i>TBBS</i> 5, 368, 1967	Pseu	niti,	<i>PA</i> 49
Metz	lept,	<i>TBBS</i> 5, 354, 1967	Pseu	cate,	<i>JB</i> 9, 404, 1977
Miel	elon,	<i>TBBS</i> 5, 598, 1968		v. acum,	<i>JB</i> 9, 405, 1977
	miel,	<i>TBBS</i> 5, 594, 1968	Pter	fili,	<i>JB</i> 7, 458, 1973

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v. maju,	<i>JB</i> 7, 459, 1973	Sema demi,	<i>TBBS</i> 4, 524, 1963
Pter grac,	<i>PA</i> 50	mica,	<i>TBBS</i> 4, 525, 1963
Pter ovat,	<i>PA</i> 51	Sout nigr,	<i>JB</i> 8, 386, 1975
Ptil pulc,	<i>PA</i> 98	toph,	<i>JB</i> 8, 386, 1975
Ptil cris,	<i>JB</i> 8, 130, 1974	Spha mich,	<i>TBBS</i> 5, 149, 1966
Raco elli,	<i>JB</i> 7, 447, 1973	texa,	<i>TBBS</i> 5, 150, 1966
micr,	<i>JB</i> 7, 448, 1973	Spha fusc,	<i>JB</i> 9, 118, 1976
Radu aqui,	<i>JB</i> 9, 112, 1976	imbr,	<i>JB</i> 9, 114, 1976
carr,	<i>TBBS</i> 5, 160, 1966	lind,	<i>TBBS</i> 4, 526, 1963
holt,	<i>TBBS</i> 5, 832, 1969	plat,	<i>JB</i> 9, 116, 1976
volu,	<i>TBBS</i> 4, 514, 1963	pulc,	<i>TBBS</i> 4, 883, 1965
Rebo hemi,	<i>PA</i> 99	ripa,	<i>TBBS</i> 5, 361, 1967
Rhod rose,	<i>PA</i> 52	stri,	<i>JB</i> 9, 115, 1976
Rhyn tees,	<i>PA</i> 53	subs,	<i>JB</i> 9, 117, 1976
Rhyn mega,	<i>PA</i> 54	warn,	<i>JB</i> 9, 119, 1976
mura,	<i>PA</i> 55	Sphe pear,	<i>TBBS</i> 5, 158, 1966
Rhyt rugo,	<i>TBBS</i> 5, 165, 1966	Sphe hell,	<i>TBBS</i> 6, 143, 1970
Ricc lati,	<i>PA</i> 100	Spla vasc,	<i>TBBS</i> 5, 597, 1968
Ricc cana,	<i>JB</i> 9, 108, 1976	Targ hypo,	<i>TBBS</i> 5, 353, 1967
flui,	<i>PA</i> 101	Tayl ling,	<i>JB</i> 9, 120, 1976
glau,	<i>PA</i> 102	long,	<i>JB</i> 9, 121, 1976
nigr,	<i>JB</i> 9, 107, 1976	Tela murp,	<i>JB</i> 9, 109, 1976
soro,	<i>PA</i> 103	nema,	<i>JB</i> 9, 109, 1976
Ricc nata,	<i>JB</i> 8, 383, 1975	Timm aust,	<i>JB</i> 8, 500, 1975
Sacc viti,	<i>PA</i> 104	norv,	<i>JB</i> 8, 501, 1975
Sael glau,	<i>TBBS</i> 5, 594, 1968	Tort infl,	<i>PA</i> 61
Scap dege,	<i>JB</i> 10, 80, 1978	niti,	<i>TBBS</i> 6, 333, 1971
nimb,	<i>TBBS</i> 4, 882, 1965	Tort laev,	<i>PA</i> 62
orni,	<i>TBBS</i> 4, 881, 1965	lati,	<i>PA</i> 63
Schi apoc		marg,	<i>PA</i> 64
v. homo,	<i>TBBS</i> 6, 334, 1971	papi,	<i>PA</i> 65
mari,	<i>PA</i> 56	rura	
tric,	<i>TBBS</i> 6, 335, 1971	s. rfrm,	<i>PA</i> 66
Scle cesp,	<i>PA</i> 57	vahl,	<i>JB</i> 8, 125, 1974
tour,	<i>JB</i> 7, 95, 1972	Tric tome,	<i>PA</i> 105
Scor circ,	<i>TBBS</i> 4, 745, 1964	Trit exta,	<i>TBBS</i> 5, 355, 1967
Seli acut,	<i>TBBS</i> 5, 364, 1967	poli,	<i>JB</i> 10, 79, 1978
calc,	<i>PA</i> 58	Ulot calv,	<i>TBBS</i> 4, 746, 1964
donn,	<i>TBBS</i> 5, 363, 1967	coar,	<i>TBBS</i> 4, 747, 1964
pauc,	<i>PA</i> 59	Weis long,	<i>PA</i> 67
pusi,	<i>PA</i> 60	ruti,	<i>PA</i> 68
trif,	<i>TBBS</i> 5, 365, 1967	Zygo cono,	<i>PA</i> 69

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NAMES USED IN the standard floras (Macvicar, 1926; Smith, 1978a; Watson, 1968) and in the most recent Census Catalogues (Paton, 1965; Warburg, 1963) are cross-referenced to the nomenclature used here. The entry

Acrocladium = Calliergon

signifies that the name *Acrocladium* has been superseded by *Calliergon*.

Names that have been superseded are given in brackets. Thus the entry

Taxiphyllum wissgrillii (*Isopterygium depressum*)

signifies that the moss now called *Taxiphyllum wissgrillii* was called *Isopterygium depressum* in the most recent *Census Catalogue* (Warburg, 1963). Only moss names have been entered in this way, because Paton's (1965) names of hepatics are indicated in the main text.

Acrocladium = Calliergon

Adelanthus

dugortiensis = lindenbergianus

unciformis = lindenbergianus

Alicularia = Nardia

Aloina ambigua = A. aloides var. ambigua

Amblystegiella = Platydictya

sprucei = P. jungermannioides

Amblystegium

fluvatile (*Hygroamblystegium fluvatile*)

humile (*kochii*)

juratzkanum = serpens

kochii = humile

riparium (*Leptodictyum riparium*)

tenax (*Hygroamblystegium tenax*)

Andreaea

crassinervia (*rothii*, p.p.)

obovata (*rupestris*, p.p.)

rothii

var. crassinervia = A. crassinervia

var. falcata = ssp. rothii

var. huntii = A. crassinervia ssp. huntii

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- rupestris
 - var. acuminata = *A. obovata* var. *papillosa*
 - var. *gracilis* = var. *rupestris*
 - var. *sparsifolia* = *A. obovata* var. *sparsifolia*
- Aneura* = *Riccardia*, except *A. pinguis*
- Anomobryum*
 - concinatum* = *filiforme* var. *concinatum*
 - juliforme* = *filiforme* var. *filiforme*
- Anthoceros*
 - crispulus* = *agrestis*
 - dichotomus* = *Phaeoceros laevis*
 - husnotii* = *punctatus*
 - laevis* = *Phaeoceros laevis*
 - punctatus sensu* Paton, 1965 = *agrestis*
- Aplozia* = *Jungermannia*
 - cordifolia* = *J. exsertifolia* ssp. *cordifolia*
 - crenulata* = *J. gracillima*
 - lanceolata* = *J. leiantha*
 - riparia* = *J. atrovirens*
 - schiffneri* = *J. polaris*
- Atrichum undulatum* var. *haussknechtii* = var. *gracilisetum*
- Barbula*
 - reflexa* var. *robusta* = *B. maxima*
 - rufa* = *asperifolia*, of doubtful occurrence in Britain
- Bartramia pomiformis* var. *elongata* = var. *pomiformis*
- Bazzania triangularis* = *B. tricenata*
- Blindia acuta* var. *arenacea* = var. *acuta*
- Bryum*
 - algovicum* var. *rutheanum* (*pendulum*)
 - alpinum*, all varieties = var. *alpinum*
 - canariense* var. *provinciale* = var. *canariense*
 - capillare*
 - var. *elegans* = *B. elegans*
 - var. *rufifolium* (*B. rufifolium*)
 - var. *torquescens* = *B. torquescens*
 - cyclophyllum* (*tortifolium*)
 - elegans* (*B. capillare* var. *elegans*)
 - obconicum* = *pallescens*
 - pendulum* = *algovicum* var. *rutheanum*
 - rufifolium* = *capillare* var. *rufifolium*
 - torquescens* (*capillare* var. *torquescens*)
 - tortifolium* = *cyclophyllum*
- Calliergon* (*Acrocladium*)
- Calypogeia*
 - neesiana* var. *meylanii* = *C. integristipula*
 - submersa*, dubious taxon, excluded

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- Camptothecium = Homalothecium
Campylium protensum = *C. stellatum* var. *protensum*
Campylopus
 flexuosus, all varieties = *paradoxus*
 schwarzii var. *huntii* = var. *schwarzii*
 setifolius var. *intermedius* = var. *setifolius*
Cephalozia
 affinis, excluded
 ambigua = *bicuspidata* ssp. *ambigua*
 fluitans = *Cladopodiella fluitans*
 francisci = *Cladopodiella francisci*
 media = *lunulifolia*
Cephaloziella
 myriantha = *rubella*
 nicholsoni = *massalongi*
 pearsonii = *Sphenolobopsis pearsonii*
 starkei = *divaricata*
 striatula = *subdentata*
Ceratodon chloropus = *Cheilothela chloropus*
Chiloscyphus polyanthos var. *rivularis* = var. *polyanthos*
Cololejeunea microscopica = *Aphanolejeunea microscopica*
Cratoneuron filicinum var. *fallax* = var. *filicinum*

Dichodontium
 pellucidum var. *fagimontanum* = var. *pellucidum*
 pellucidum var. *flavescens* = *D. flavescens*
Dicranella
 heteromalla var. *sericea* = var. *heteromalla*
 subulata var. *curvata* = var. *subulata*
 varia var. *callistoma* = var. *varia*
Dicranum
 blyttii = *Kiaeria blyttii*
 falcatum = *Kiaeria falcata*
 starkei = *Kiaeria starkei*
 strictum = *tauricum*
 tauricum (*strictum*)
Diphyscium foliosum var. *acutifolium* = var. *foliosum*
Diplophyllum gymnostomophilum = *Scapania gymnostomophila*
Drepanocladus
 revolvens var. *intermedius* = var. *revolvens*
 sendtneri var. *wilsonii* = var. *sendtneri*
Dryptodon (*Grimmia*, p.p.)

Ephemerum intermedium = *E. serratum* var. *praecox*
Eucalyx = *Jungermannia*
Eurhynchium
 alopecuroides = *Rhynchostegium lusitanicum*

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confertum = *Rhynchostegium confertum*
megapolitanum = *Rhynchostegium megapolitanum*
murale = *Rhynchostegium murale*
pumilum (*Rhynchostegiella pumila*)
riparioides = *Rhynchostegium riparioides*
rotundifolium = *Rhynchostegium rotundifolium*

Fontinalis

dalecarlica, excluded
dixonii = *squamosa* var. *dixonii*
dolosa = *antipyretica* var. *antipyretica*
hypnoides, excluded

Fossombronia

dumortieri = *foveolata*
husnotii var. *anglica* = var. *husnotii*
loitlesbergeri, excluded
mittenii = *wondraczekii*
pusilla var. *decipiens* = var. *pusilla*

Frullania

germana = *teneriffae*
tamarisci, all varieties = var. *tamarisci*

Grimmia

affinis (*ovalis sensu* Warburg, 1963)
agassizii = *Schistidium agassizii*
alpicola = *Schistidium alpicola*
apocarpa = *Schistidium apocarpum*
atrofusca = *Schistidium atrofusum*
borealis = *Schistidium boreale*
commutata = *ovalis*
conferta = *Schistidium apocarpum* var. *confertum*
decipiens var. *robusta* = *trichophylla* var. *robusta*
donniana var. *arenaria* = var. *curvula*
maritima = *Schistidium maritimum*
muehlenbeckii = *trichophylla* var. *tenuis*
ovalis (*commutata*)
ovalis sensu Warburg, 1963 = *affinis*
patens = *Dryptodon patens*
stirtonii = *trichophylla* var. *stirtonii*
stricta = *Schistidium strictum*
subsquarrosa = *trichophylla* var. *subsquarrosa*
trichodon = *Schistidium trichodon*
trichophylla
var. *robusta* (*G. decipiens* var. *robusta*)
var. *stirtonii* (*G. stirtonii*)
var. *subsquarrosa* (*G. subsquarrosa*)
var. *tenuis* (*G. muehlenbeckii*)

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- Gymnomitrium
 - adustum = Marsupella adusta
 - alpinum = Marsupella alpina
 - varians = Marsupella brevissima
- Gymnostomum recurvirostrum
 - var. cataractarum = var. recurvirostrum
 - var. insigne = G. insigne
- Haplodon = Aplodon
- Herbertus (Herberta)
 - aduncus *sensu* Macvicar, 1926 = stramineus
 - hutchinsiae = aduncus ssp. hutchinsiae
- Herzogiella
 - seligeri (Isopterygium seligeri)
 - striatella (Plagiothecium striatellum)
- Homalia (Omalia)
- Homalothecium (Camptothecium)
- Hygroamblystegium = Amblystegium
- Hyocomium flagellare = H. armoricum
- Hyophila stanfordensis (Tortula stanfordensis)
- Hypnum
 - cupressiforme
 - var. ericetorum = H. jutlandicum
 - var. filiforme = H. mammillatum
 - var. mamillatum = H. mammillatum
 - var. tectorum = var. lacunosum
 - jutlandicum (cupressiforme var. ericetorum)
 - mammillatum (cupressiforme var. mamillatum)
- Isopterygiopsis muellerana (Isopterygium muelleranum)
- Isopterygium
 - depressum = Taxiphyllum wissgrillii
 - muelleranum = Isopterygiopsis muellerana
 - pulchellum var. nitidulum = var. pulchellum
 - seligeri = Herzogiella seligeri
- Jamesoniella
 - carringtonii = Plagiochila carringtonii
 - schraderi = undulifolia
- Jungermannia lanceolata = J. leiantha
- Kiaeria (Dicranum, p.p.)
- Leiocolea muelleri = L. alpestris
- Lejeunea
 - diversiloba = hibernica
 - lamacerina var. azorica = var. lamacerina
 - macvicari = mandonii
 - planiuscula = lamacerina

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Lepidozia

- pinnata = cupressina
- setacea = *Kurzia pauciflora*
- sylvatica = *Kurzia sylvatica*
- trichoclados = *Kurzia trichoclados*

Leptodictyum = *Amblystegium*

Leptoscyphus = *Mylia*, except *L. cuneifolius*

Lescuraea

- incurvata (*Pseudoleskea incurvata*)
- patens (*Pseudoleskea patens*)
- plicata (*Ptychodium plicatum*)

Leskea nervosa = *Pseudoleskeella nervosa*

Lophocolea alata = *L. cuspidata*

Lophozia

- alpestris = sudetica
- atlantica = *Barbilophozia atlantica*
- attenuata = *Barbilophozia attenuata*
- badensis = *Leiocolea badensis*
- bantriensis = *Leiocolea bantriensis*
- barbata = *Barbilophozia barbata*
- confertifolia = *ventricosa* var. *confertifolia*
- floerkei = *Barbilophozia floerkei*
- hatcheri = *Barbilophozia hatcheri*
- heterocolpa = *Leiocolea heterocolpos*
- kaurini = *Leiocolea gillmanii*
- kunzeana = *Barbilophozia kunzeana*
- longiflora = *ventricosa* var. *longiflora*
- lycopodioides = *Barbilophozia lycopodioides*
- muelleri = *Leiocolea alpestris*
- porphyroleuca = guttulata
- quadriloba = *Barbilophozia quadriloba*
- quinquedentata = *Tritomaria quinquedentata*
- schultzii = *Leiocolea rutheana*
- turbinata = *Leiocolea turbinata*

Madotheca = *Porella*

- laevigata = *P. arboris-vitae*
- porella = *P. pinnata*
- thuja = *P. obtusata*

Marchantia polymorpha

- var. *alpestris* = *M. alpestris*
- var. *aquatica* = var. *polymorpha*

Marsupella

- apiculata = *Gymnomitrium apiculatum*
- aquatica
 - var. *aquatica* = *M. emarginata* var. *aquatica*
 - var. *pearsonii* = *M. emarginata* var. *pearsonii*

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- joergensenii = sphacelata
- nevicensis = boeckii
- pearsonii = emarginata var. pearsonii
- sullivantii = sphacelata
- ustulata = sprucei
- varians = brevissima
- Metzgeria
 - furcata
 - var. fruticulosa = M. fruticulosa, M. temperata
 - var. ulvula = var. furcata
 - hamata = leptoneura
 - pubescens = Apometzgeria pubescens
- Microlejeunea ulicina = Lejeunea ulicina
- Micromitrium tenerum (Nanomitrium tenerum)
- Mnium
 - affine = Plagiomnium affine
 - ambiguum (lycopodioides)
 - cinclidioides = Pseudobryum cinclidioides
 - cuspidatum = Plagiomnium cuspidatum
 - longirostrum = Plagiomnium rostratum
 - lycopodioides = ambiguum
 - medium = Plagiomnium medium
 - orthorhynchum = thomsonii
 - pseudopunctatum = Rhizomnium pseudopunctatum
 - punctatum = Rhizomnium punctatum
 - rugicum = Plagiomnium ellipticum
 - seligeri = Plagiomnium elatum
 - thomsonii (orthorhynchum)
 - undulatum = Plagiomnium undulatum
- Moerckia flotoviana = M. hibernica
- Mylia cuneifolia = Leptoscyphus cuneifolius
- Myurium hebridarum = M. hochstetteri
- Nanomitrium = Micromitrium
- Omalia = Homalia
- Orthothecium intricatum var. abbreviatum = var. intricatum
- Orthotrichum
 - cupulatum var. nudum = var. riparium
 - rupestre, all varieties = var. rupestre
 - shawii = striatum
 - stramineum var. patens, excluded
- Oxystegus (Trichostomum, p.p.)
- Pellia
 - borealis = epiphylla
 - fabbroniana = endiviifolia

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- Phascum cuspidatum*
var. *curvisetum* = var. *cuspidatum*
var. *maximum* = var. *schreberanum*
- Philonotis*
capillaris = *arnellii*
fontana
var. *adpressa* = var. *fontana*
var. *tomentella* = *P. tomentella*
- Plagiochila*
ambagiosa = *atlantica*
asplenioides
var. *asplenioides sensu* Paton, 1965 = *P. porelloides*
var. *major* = *P. asplenioides sensu stricto*
punctata var. *owenii* = var. *punctata*
spinulosa
var. *inermis* = var. *spinulosa*
var. *killarniensis* = *P. killarniensis*
stableri, dubious taxon, excluded
tridenticulata = *corniculata*
- Plagiomnium* (*Mnium*, p.p.)
elatum (*M. seligeri*)
ellipticum (*M. rugicum*)
rostratum (*M. longirostrum*)
- Plagiothecium*
cavifolium (*roeseanum*)
nemorale (*sylvaticum*)
roeseanum = *cavifolium*
striatellum = *Herzogiella striatella*
sylvaticum = *nemorale*
- Platydictya* (*Amblystegiella*)
jungermannioides (*A. sprucei*)
- Plectocolea* = *Jungermannia*
- Pleuroclada* = *Pleurocladula*
- Pogonatum* (*Polytrichum*, p.p.)
- Pohlia*
acuminata = *elongata* var. *acuminata*
annotina = *proligera*
carnea (*delicatula*)
cucullata = *obtusifolia*
delicatula = *carnea*
elongata
ssp. *elongata* var. *acuminata* (*P. acuminata*)
ssp. *polymorpha* (*P. polymorpha*)
filum (*gracilis*)
gracilis = *filum*
lescuriana (*pulchella*)
ludwigii var. *latifolia* = var. *ludwigii*

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- obtusifolia (cucullata)
- polymorpha = elongata ssp. polymorpha
- proligera (annotina)
- pulchella = lescuriana
- Polytrichum
 - aloides = Pogonatum aloides
 - aurantiacum = longisetum
 - longisetum (aurantiacum)
 - nanum = Pogonatum nanum
 - norvegicum = sexangulare
 - sexangulare (norvegicum)
 - urnigerum = Pogonatum urnigerum
- Porella
 - laevigata = arboris-vitae
 - thuja = obtusata
- Pottia
 - asperula = wilsonii
 - crinita var. viridifolia = var. crinita
 - davalliana = starkeana ssp. conica and ssp. minutula
 - intermedia var. littoralis = var. intermedia
- Pseudobryum (Mnium, p.p.)
- Pseudoleskea
 - catenulata = Pseudoleskeella catenulata
 - incurvata = Lescuraea incurvata
 - patens = Lescuraea patens
- Pseudoleskeella
 - catenulata (Pseudoleskea catenulata)
 - nervosa (Leskea nervosa)
- Ptychodium = Lescuraea
-
- Racomitrium (Rhacomitrium)
 - affine (heterostichum vars.)
- Radula lindbergiana = R. lindenbergiana
- Rhabdoweisia denticulata = R. crispata
- Rhacomitrium = Racomitrium
- Rhizomnium (Mnium, p.p.)
- Rhynchostegiella pumila = Eurhynchium pumilum
- Rhynchostegium (Eurhynchium, p.p.)
 - lusitanicum (E. alopecuroides)
- Rhytidiadelphus squarrosus var. calvescens = R. subpinnatus
- Riccardia
 - pinguis = Aneura pinguis
 - sinuata = chamedryfolia
- Riccia
 - ciliata, excluded
 - commutata = warnstorffii
 - michelii, excluded

INDEX OF SYNONYMS

- Scapania*
crassiretis, excluded
dentata = *undulata*
intermedia = *undulata*
mucronata sensu Paton, 1965 = *praetervisa*
nemorea = *nemorosa*
obliqua = *uliginosa*
Schistidium (Grimmia, p.p.)
apocarpum var. *confertum* (G. *conferta*)
Scleropodium *caespitosum* = *S. cespitans*
Seligeria
acutifolia var. *longiseta* = var. *acutifolia*
carniolica (*Trochobryum* *carniolicum*)
Sematophyllum *novae-caesareae* = *S. micans*
Solenostoma = *Jungermannia*
cordifolium = *J. exsertifolia* ssp. *cordifolia*
crenulatum = *J. gracillima*
levieri = *J. confertissima*
oblongifolium = *J. borealis*
schiffneri = *J. polaris*
sphaerocarpoideum = *J. atrovirens*
triste = *J. atrovirens*
Sphagnum
auriculatum (subsecundum, p.p.)
capillaceum = *capillifolium*
capillifolium (*capillaceum*, *rubellum*)
contortum var. *platyphyllum* = *S. platyphyllum*
dusenii = *majus*
majus (*dusenii*)
platyphyllum (*contortum* var. *platyphyllum*)
plumulosum = *subnitens*
robustum = *russovii*
rubellum = *capillifolium*
russovii (*robustum*)
subfulvum, excluded
subnitens (*plumulosum*)
subsecundum vars. = *S. auriculatum*
warnstorffianum = *warnstorffii*
Sphenolobus
exsectiformis = *Tritomaria* *exsectiformis*
exsectus = *Tritomaria* *exsecta*
ovatus = *Douinia* *ovata*
pearsoni = *Sphenolobopsis* *pearsonii*
politus = *Tritomaria* *polita*
saxicola = *Anastrophyllum* *saxicola*
Taxiphyllum *wissgrillii* (*Isopterygium* *depressum*)

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- Telaranea sejuncta = T. nematodes
Tetraphis browniana
 var. browniana = Tetrodontium brownianum
 var. repanda = Tetrodontium repandum
Tetrodontium (Tetraphis, p.p.)
 repandum (Tetraphis browniana var. repanda)
Thamnium = Thamnobryum
Thuidium hystricosum = T. abietinum ssp. hystricosum
Tortula
 rhizophylla (vectensis)
 ruraliformis = ruralis ssp. ruraliformis
 stanfordensis = Hyophila stanfordensis
 vectensis = rhizophylla
Trichostomum
 brachydontium, all varieties = var. brachydontium
 crispulum, all varieties = var. crispulum
 hibernicum = Oxystegus hibernicus
 sinuosum = Oxystegus sinuosus
 tenuirostre = Oxystegus tenuirostris
Trochobryum = Seligeria

Ulota
 bruchii = crispa var. norvegica
 calvescens (vittata)
 coarctata (ludwigii)
 crispa var. norvegica (U. bruchii)
 crispula = crispa var. crispa
 ludwigii = coarctata
 nicholsonii = crispa var. crispa
 vittata = calvescens

Weissia
 controversa var. crispata (W. crispata)
 crispa = longifolia
 crispata = controversa var. crispata
 longifolia
 var. angustifolia (W. crispa var. crispa)
 var. longifolia (W. crispa var. aciculata)

Zygodon viridissimus var. vulgaris = Z. baumgartneri

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