

Guide for using the checklist

The checklist is grouped into the three main subdivisions within the bryophytes: Hepatophyta (liverworts), Anthocerotophyta (hornworts), and Bryophyta (true mosses). Within each of these groups, the families are arranged alphabetically.

The genera in each family are also arranged alphabetically. Accepted genus names are given in bold upper case, for example, **MITTENOTHAMNIUM**. Genus names in italics, for example, *DICRANOLEJEUNEA*, are synonyms.

MITTENOTHAMNIUM Henn.

cygnicollum (Dixon) Wijk & Margad. = **M. reptans**

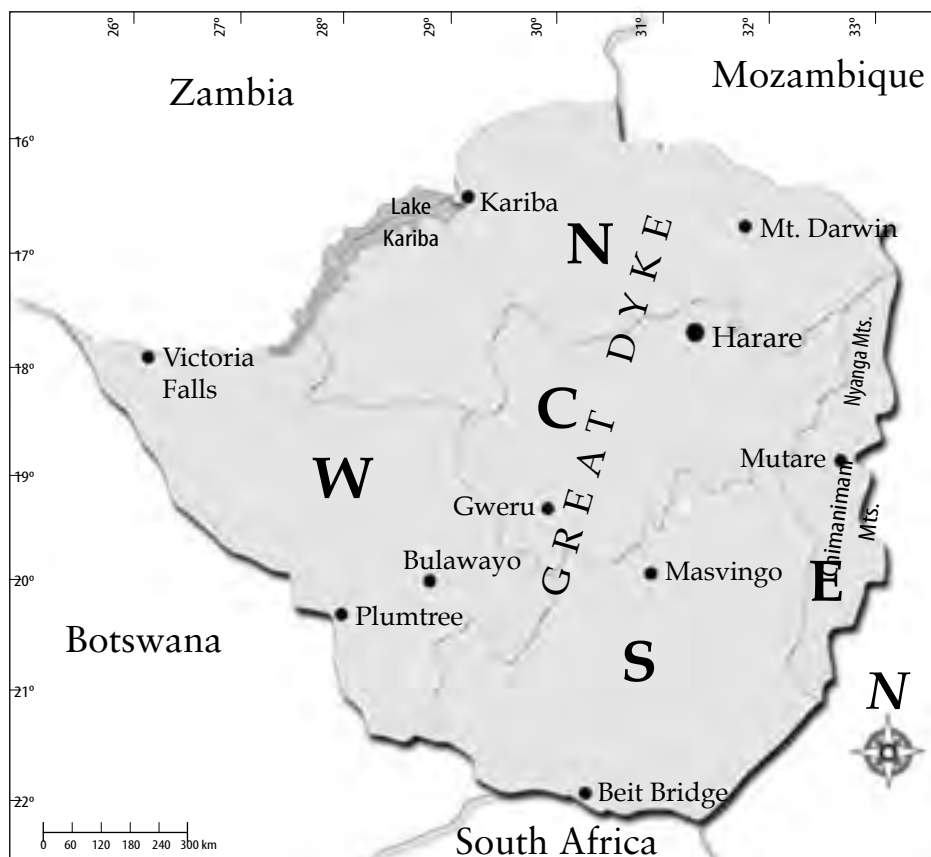
proreptans (Müll.Hal.) Cardot = **M. pseudoreptans**

pseudoreptans (Müll.Hal.) Cardot E

(*M. proreptans* (Müll.Hal.) Cardot)

reptans (Hedw.) Cardot E

(*M. cygnicollum* (Dixon) Wijk & Margad.)



The floristic regions of Zimbabwe: **C**entral, **E**ast, **N**orth, **S**outh, **W**est.

The National Herbarium and Botanic Garden of Zimbabwe

Location

The National Herbarium and Botanic Garden is situated about 4 km North of the Harare city centre within the suburb of Alexandra Park, on the corner of Fifth Street extension and Downie Avenue. It is easily accessed from either Fifth Street or Sam Nujoma Street.

Mandate

The National Herbarium and Botanic Garden is a centre for research and information on the indigenous plants of Zimbabwe. It is responsible for the study of Zimbabwe flora in order to promote its conservation, development and sustainable use. Its mission is to increase knowledge and appreciation of Zimbabwean plants. It fulfils this mission by looking after the plant specimens that are the essential resource material required in studying plant characters in order to arrive at their identity and names. The National Herbarium stores preserved plant specimens while the living specimens are grown in the National Botanic Garden.

The institute has three interlinked sections: the herbarium, the botanic garden and the education centre.

The **Herbarium** has about 500 000 plant specimens. It is the main reference centre for research on identifying and naming plants of the Flora Zambesiaca Region. This region comprises Zimbabwe, Zambia, Malawi, Mozambique, Botswana and the Caprivi.

The **Botanic Garden** grows over 900 trees and shrubs of Zimbabwe in groups to show the associations that are found in various parts of the country. It has sections with trees of the Highveld, Lowveld and Eastern Highlands. Also growing are a number of trees from other countries that have climatic conditions similar to Zimbabwe e.g. Asia and Australia.

The **Education Centre** disseminates information on the plants of Zimbabwe and the plant kingdom in general to educational institutions especially schools, colleges and universities.

The aims and objectives of the National Herbarium and Botanic Garden can be summarized as follows:

- i) to conserve, enhance and curate Zimbabwe's principal collection of botanical specimens for national and international reference and study;
- ii) to do scientific research and documentation on Zimbabwean plants and plant communities based on the herbarium collection and field surveys;
- iii) to provide botanical services to Government Departments, NGOs, students, researchers and the public;
- iv) to provide a focal point for the international network of herbaria in order to facilitate research on the flora of Zimbabwe and the region by national and international researchers;
- v) to provide a pleasant and peaceful environment in which the Harare community can enjoy activities that are compatible with Botanic Garden management;
- vi) to raise revenue that will help in the development and maintenance of the National Herbarium and Botanic Garden.

Administration

The National Herbarium and Botanic Garden is administered by the Division of Agricultural Research and Extension (AREX) in the Ministry of Lands, Agriculture and Rural Resettlement, in conjunction with the Botanic Garden Fund Committee. The latter is a Board of Trustees who are appointed by the Minister of Agriculture. Their main role is to complement government efforts in the running of the institute by raising funds. Some of the notable achievements of this committee in recent years include the fencing and upgrading of the public car park, the construction of the Restaurant, Desert House, Education Centre, Office Block at the nursery and the refurbishment of the National Herbarium. In short, the Botanic Garden Fund Committee spearheads almost all development projects at the National Herbarium and Botanic Garden while the Government meets most of recurrent expenditure and salaries.

**A
checklist
of
Zimbabwean bryophytes**

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by

Phelex Manyanga & S.M. Perold



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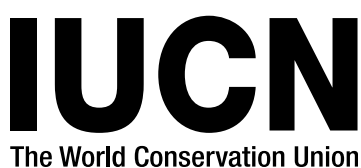
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Back cover: Flame lily

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Education Centre in the National Botanic Garden.
(Photo: Anthony Mapaura)



Desert House in the National Botanic Garden.
(Photo: Anthony Mapaura)

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Entrance to the National Herbarium. (Photo: Anthony Mapaura)



Botanic Garden Restaurant. (Photo: Anthony Mapaura)

Introduction

Bryophytes constitute an interesting component of the flora of Zimbabwe, which is represented by dried specimens held at the National Herbarium of Zimbabwe (SRGH). Bryophytes play a very important role in the balance of nature, aiding in the absorption of water and the cycling of nutrients. It is therefore necessary to have an updated checklist of this component of the Zimbabwean flora.

This checklist is a compilation of specimens and citation records that are held at the National Herbarium of Zimbabwe (SRGH). The arrangement of liverwort families was originally after Magill and Schelpe (1979), based on Grolle (1972), but has now been updated according to Wiggington (2002) and is in alphabetical order. The arrangement of mosses up to generic level initially followed Crosby and Magill (1981), but is now alphabetical as well. O'Shea (1999) was also consulted and this list includes many changes that have been made since publication of a checklist by Best (1990).

An asterisk (*) next to the distribution indicates specimens represented by citation records only, not by specimens in the herbarium.

Synonyms were taken from the following references: Arnell (1963), Best (1990), O'Shea (1999), Wiggington (2002), as well as Perold (2003) and Van Rooy (2003).

We hope that in addition to complementing the national checklist of vascular plants of Zimbabwe, this checklist will provide updated information on Zimbabwean bryophyte taxa, as well as assist in the identification of needs for further research and collection of bryophytes in Zimbabwe.

Guide for using the checklist

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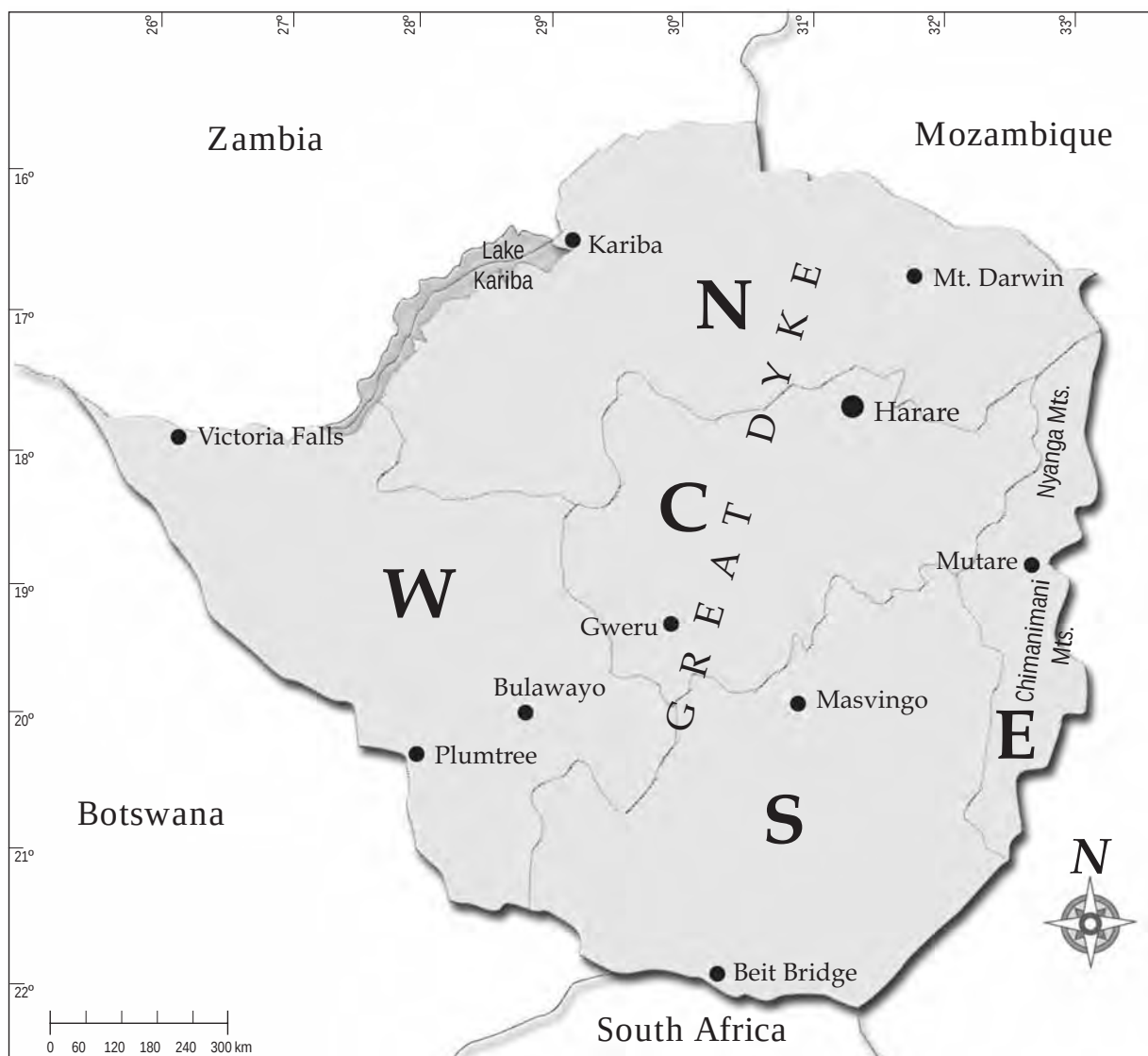
(*M. proreptans* (Müll.Hal.) Cardot)

reptans (Hedw.) Cardot **E**

(*M. cygnicollum* (Dixon) Wijk & Margad.)

Within each genus, both accepted species names and synonyms are listed alphabetically, as in the example above. Accepted species names are given in bold lower case, for example, **pseudoreptans** and **reptans**. Synonyms are in italics and are followed by the accepted name in bold, for example, *cygnicollum* (Dixon) Wijk & Margad. = **M. reptans**. Synonyms are also listed below the current name, indented and in parenthesis, for example, (*M. cygnicollum* (Dixon) Wijk & Margad.)

Distribution of the species within Zimbabwe, as reflected by SRGH specimen collections and citations, is indicated by letters representing the five floristic distributions—**N**orth, **W**est, **C**entral, **E**ast, and **S**outh (see map on page 2). Note that an asterisk (*) after the letter shows that the distribution is based on citation only.



The floristic regions of Zimbabwe: **C**entral, **E**ast, **N**orth, **S**outh, **W**est.

A checklist of Zimbabwean bryophytes

Hepatophyta

ANEURACEAE

ANEURA Dumort.

- amazonica** Spruce = *Riccardia amazonica*
angusticosta Steph. = *Riccardia amazonica*
congoana Steph. = *Riccardia amazonica*
fastigiata (Lehm.) Gottsche, Lindenb. & Nees =
Riccardia fastigiata
grosselimbata Steph. = *Riccardia amazonica*
holstii Steph. = *Riccardia holstii*
pseudopinguis (Herzog) Pócs **C**
stephanii Besch. ex Steph. = *Riccardia amazonica*

RICCARDIA Raddi

- amazonica** (Spruce) Schiffn. ex Gradst. & Hekking **C**
E
(Aneura angusticosta (Steph.) Grolle)
(Aneura congoana Steph.)
(Aneura grosselimbata Steph.)
(Aneura stephanii Besch. ex Steph.)
fastigiata (Lehm.) Trevis. **E**
(Aneura fastigiata (Lehm.) Gottsche, Lindenb. & Nees)
holstii (Steph.) E.W.Jones **E**
(Aneura holstii Steph.)
rhodesiae S.W.Arnell **W***

ARNELLIACEAE

GONGYLANTHUS Nees

- ericetorum** (Raddi) Nees **N C E**

AYTONIACEAE

ASTERELLA P.Beauv.

- abyssinica** (Gottsche) Grolle **N W**
angolensis (Steph.) S.W.Arnell = **A. wilmsii**
bachmannii (Steph.) S.W.Arnell **W E S**
marginata (Nees) S.W.Arnell **C E S**
musciola (Steph.) S.W.Arnell **N**
wilmsii (Steph.) S.W.Arnell **N W C E S**
(A. angolensis S.W.Arnell)

MANNIA Opiz

- capensis** (Steph.) S.W.Arnell **N W**

PLAGIOCHASMA Lehm. & Lindenb.

- algericum** Steph. = **P. rupestre** var. **rupestre**
appendiculatum Lehm. & Lindenb. **W***
dinteri Steph. = **P. microcephalum**
microcephalum (Steph.) Steph. **W***
(P. dinteri Steph.)
rupestre (J.R.Forst. & G.Forst.) Steph. var. **rupestre** **N**
W C E S
(P. algericum Steph.)
(P. tenue Steph.)

- rupestre** (J.R.Forst. & G.Forst.) Steph. var. **volkii** Bischl. **W***
tenue Steph. = **P. rupestre** var. **rupestre**

REBOULIA Raddi

- hemisphaerica** (L.) Raddi **C* E**

BALANTIOPSISIDACEAE

ISOTACHIS Mitt.

- aspera** Steph. = **I. aubertii**
aubertii (Schwägr.) Mitt. **E*S***
(I. aspera Steph.)
(I. uncinata (F.Weber) Gottsche)
uncinata (F.Weber) Gottsche = **I. aubertii**

CALYPOGEIACEAE

CALYPOGEIA Raddi

- arguta** Nees & Mont. **N E**
bidentula (F.Weber) Nees **E**
fissa (L.) Raddi **W E**
longifolia Steph. **E***

CEPHALOZIACEAE

CEPHALOZIA (Dumort.) Dumort.

- bicuspidata** (L.) Dumort. **E**
(C. robusta Steph.)
connivens (Dicks.) Lindb. subsp. **fissa** (Steph.) Vana
E
(C. crassicaulis Steph.)
crassicaulis Steph. = **C. connivens** subsp. **fissa**
robusta Steph. = **C. bicuspidata**

CEPHALOZIELLACEAE

CEPHALOZIELLA (Spruce) Schiffn.

- atroviridis** (Sim) E.W.Jones = **Cylindrocolea atroviridis**
kiaerii (Austin) Douin **N C E**
tenuissima (Lehm. & Lindenb.) Steph. **C**
transvaalensis S.W.Arnell **N E***
umtaliensis S.W.Arnell **E**

EXORMOTHECACEAE

EXORMOTHECA (Godm.) Mitt.

- holstii** Steph. **C**
pustulosa Mitt. **N W**

FOSSOMBRONACEAE

FOSSOMBRONIA Raddi

- crispa** Nees **N C E**
(F. zeyheri Steph.)
pusilla (L.) Dumort. **W C E**
zeyheri Steph. = **F. crispa**

GEOCALYCEAE (including Lophocolea)

CHILOSCYPHUS Corda

muricatus (Lehm.) J.J.Engel & R.M.Schust. =

Lophocolea muricata

CLASMATOCOLEA Spruce

vermicularis (Lehm.) Grolle **N C E**

HETEROSCYPHUS Schiffn.

grandistipus subsp. **henkelii** (Sim) Grolle **E***

(*Leptoscyphus henkelii* Sim)

LEPTOSCYPHUS Mitt.

expansus (Lehm.) Grolle **E**

(*L. iversenii* (Pearson) Sim)

henkelii Sim = **Heteroscyphus grandistipus** subsp.

henkelii

iversenii (Pearson) Sim = **L. expansus**

infuscatus (Mitt.) E.W.Jones **E***

LOPHOCOLEA (Dumort.) Dumort.

concreta Mont. **C E**

(*L. rehmannii* Steph.)

congoana Steph. = **L. martiana**

difformis Nees **N C E**

martiana Nees **C E**

(*L. congoana* Steph.)

muricata (Lehm.) Nees **E**

(*Chiloscyphus muricatus* (Lehm.) J.J.Engel & R.M.Schust.)

(*L. spiniflora* Steph.)

rehmannia Steph. = **L. concreta**

semiteres (Lehm.) Mitt. **E**

spiniflora Steph. = **L. muricata**

HERBERTACEAE

HERBERTUS Gray

capensis (Steph.) Sim **E**

JUBULACEAE (including Frullania)

FRULLANIA Raddi

angulata Mitt. **E**

apicalis Mitt. **E***

arecae (Spreng.) Gottsche **E**

borgenii Pearson = **F. obscurifolia**

caffraria Steph. **E**

capensis Gottsche **E S**

(*F. rehmannii* Steph.)

depressa Mitt. **E**

(*F. natalensis* Sim)

ecklonii (Spreng.) Gottsche, Lindenb. & Nees **E***

eplicata Steph. **E**

ericoides (Nees) Mont. **N C E S**

(*F. squarrosa* Gottsche, Lindenb. & Nees)

grossiclava Steph. **E***

lindenbergii Lehm. **E**

natalensis Sim = **F. depressa**

obscurifolia Mitt. **N W C E S**

(*F. borgenii* Pearson)

rehmannii Steph. = **F. capensis**

serrata Gottsche **E**

spongiosa Steph. **E**

squarrosa Gottsche, Lindenb. & Nees = **F. ericoides**

trinervis (Lehm.) Drège **E S**

JUNGERMANNIACEAE

ANASTROPHYLLUM (Spruce) Steph.

auritum (Lehm.) Steph. **E***

piligerum (Nees) Steph. **E***

CHANDONANTHUS Mitt.

hirtellus (F.Weber) Mitt. **E**

JUNGERMANNIA L.

austroafricana S.W.Arnell = **J. mildbraedii**

borgenii Gottsche ex Pearson **E**

(*J. stolonifera* (Steph.) Steph.)

(*Solenostoma borgenii* (Gottsche ex Pearson) Steph.)

(*Solenostoma stoloniferum* (Steph.) S.W.Arnell)

mildbraedii Steph. **N E**

(*J. austroafricana* S.W.Arnell)

sphaerocarpa Hook. **E***

stolonifera (Steph.) Steph., illegitimate name =

Jungermannia borgenii

SOLENOTOMA Mitt.

borgenii (Gottsche ex Pearson) Steph. = **Jungermannia**

borgenii

stoloniferum (Steph.) S.W.Arnell = **Jungermannia**

borgenii

LEJEUNEACEAE

ACANTHACOLEUS R.M.Schust.

(*DICRANOLEJEUNEA* Steph.)

aberrans (Lindenb. & Gottsche) Kruijt var. **laevis**

Gradst. **S***

(*Dicranolejeunea atra* (Mitt.) Vanden Berghen)

chrysophyllus (Lehm.) Kruijt **S***

(*Dicranolejeunea chrysophylla* (Lehm.) Grolle)

(*Dicranolejeunea natalensis* (Sim) S.W.Arnell)

madagascariensis (Steph.) Kruijt **E S***

(*Dicranolejeunea madagascariensis* Steph.)

APHANOLEJEUNEA A.Evans

capensis (S.W.Arnell) S.W.Arnell **E***

BRACHIOLEJEUNEA (Spruce) Schiffn.

phyllorhiza (Nees) Kruijt & Gradst. **S***

CAUDALEJEUNEA (Steph.) Schiffn.

hanningtonii (Mitt.) Schiffn. **C E**

CHEIOLEJEUNEA (Spruce) Schiffn.

brachytoma (Gottsche) R.M.Schust. = **C. trifaria**

brevifissa (Gottsche) R.M.Schust. = **C. krakammae**

exinnovata E.W.Jones **E***

krakammae (Lindenb.) R.M.Schust. **E**

(*C. brevifissa* (Gottsche) R.M.Schust.)

(*Strepsilejeunea brevifissa* (Gottsche) Steph.)

(*Strepsilejeunea krakammae* (Lindenb.) Steph.)

trifaria (Reinw. *et al.*) Mizut. **C E**

(*C. brachytoma* (Gottsche) R.M.Schust.)

COLOLEJEUNEA (Spruce) Schiffn.

bolombensis (Steph.) Vanden Berghen = **C. tonkinensis**

cardiocalpa (Mont.) A.Evans **E***

distalopapillata (E.W.Jones) R.M.Schust. **E**

- duvignaudii** E.W.Jones **E**
malanjae Steph. **E***
minutissima (Sm.) Schiffn. **E***
mocambiquensis S.W.Arnell **E**
occidentalis (E.W.Jones) Vanden Berghen **E***
tonkinensis Steph. **E***
 (*C. bolombensis* (Steph.) Vanden Berghen)
COLURA (Dumort.) Dumort.
calyptrifolia (Hook.) Dumort. **E***
DICRANOLEJEUNEA Steph.
atra (Mitt.) Vanden Berghen = **Acanthocoleus aberrans**
 var. **laevis**
chrysophylla (Lehm.) Grolle = **Acanthocoleus**
chrysophyllus
madagascariensis (Gottsche) Steph. = **Acanthocoleus**
madagascariensis
natalensis (Sim) S.W.Arnell = **Acanthocoleus**
chrysophyllus
DIPLASIOLEJEUNEA (Spruce) Schiffn.
cornuta Steph. **E***
kraussiana (Lindenb.) Spruce **E**
 (*Lejeunea kraussiana* Lindenb.)
DREPANOLEJEUNEA (Spruce) Schiffn.
friesii Vanden Berghen = **D. physaefolia**
hamatifolia (Hook.) Schiffn. **E**
physaefolia (Gottsche) Steph. **E**
 (*D. friesii* Vanden Berghen)
pocsii Grolle **E***
LEJEUNEA Lib.
caespitosa Lindenb. **E***
camerunensis (Steph.) E.W.Jones **E***
eckloniana Lindenb. **W***
helenae Pearson **C***
isophylla E.W. Jones **E**
kamerunensis (Steph.) Vanden Berghen =
Microlejeunea kamerunensis
kraussiana Lindenb. = **Diplasiolejeunea kraussiana**
rhodesiae (Sim) R.M.Schust. **N W C E**
 (*Rectolejeunea rhodesiae* (Sim) S.W.Arnell)
ulicina subsp. *africana* (Steph.) Vanden Berghen =
Microlejeunea africana
LEPTOLEJEUNEA (Spruce) Schiffn.
astroidea (Mitt.) Steph. **E**
 (*L. truncatiflora* Steph.)
truncatiflora Steph. = **L. astroidea**
LEUCOLEJEUNEA A.Evans
capensis S.W.Arnell = **L. xanthocarpa**
rotundistipula (Lindenb. ex Lehm.) Steph. **E***
xanthocarpa (Lehm. & Lindenb.) A.Evans **C E**
 (*L. capensis* S.W.Arnell)
LOPHOLEJEUNEA (Spruce) Schiffn.
abortiva (Mitt.) Steph. var. *fragilis* (Steph.) Vanden
 Berghen = **L. nigricans**
fragilis Steph. = **L. nigricans**
laciniata E.W.Jones **E**
nigricans (Lindenb.) Schiffn. **N**
 (*L. abortiva* var. *fragilis* (Steph.) Vanden Berghen)
 (*L. fragilis* Steph.)
subfusca (Nees) Schiffn. **E**
MARCHESINIA Gray

- madagassa** Steph. **E***
MICROLEJEUNEA Steph.
africana Steph. **E**
 (*Lejeunea ulicina* subsp. *africana* (Steph.) Vanden Berghen)
kamerunensis Steph. **E**
 (*Lejeunea kamerunensis* (Steph.) Vanden Berghen)
PHRAGMILEJEUNEA R.M.Schust.
molleri (Steph.) R.M.Schust. = **Schiffneriolejeunea**
polycarpa
pappeana (Nees) R.M.Schust. = **Schiffneriolejeunea**
pappeana var. **pappeana**
PRIONOLEJEUNEA (Spruce) Schiffn.
grata (Gottsche) Schiffn. **E***
 (*P. serrula* (Mitt.) Steph.)
serrula (Mitt.) Steph. = **P. grata**
PTYCHANTHUS Nees
dioicus (Sim) S.W.Arnell = **P. striatus**
striatus (Lehm. & Lindenb.) Nees **E**
 (*P. dioicus* (Sim) S.W.Arnell)
RECTOLEJEUNEA A.Evans
rhodesiae (Sim) S.W.Arnell = **Lejeunea rhodesiae**
SCHIFFNERIOLEJEUNEA Verd. emended Gradst.
pappeana (Nees) Gradst. var. **pappeana N W* C E S**
 (*Phragmilejeunea pappeana* (Nees) R.M.Schust.)
polycarpa (Nees) Gradst. **E**
 (*Phragmilejeunea molleri* (Steph.) R.M.Schust.)
STREPSILEJEUNEA Steph.
brevifissa (Gottsche) Steph. = **Cheilolejeunea**
krakakammae
krakakammae (Lindenb.) Steph. = **Cheilolejeunea**
krakakammae

LEPIDOZIACEAE

- ARACHNIOPSIS** Spruce
coactilis Spruce = **A. diacantha**
diacantha (Mont.) M.Howe **C E**
 (*A. coactilis* Spruce)
 (*Telaranea sejuncta* (Angstr.) S.W.Arnell)
BAZZANIA Gray
convexa (Lindenb.) Trevis. = **B. nitida**
decrescens (Lehm. & Lindenb.) Trevis. **E**
 (*B. fusca* Steph.)
decrescens subsp. **molleri** (Steph.) E.W.Jones **E**
 (*B. molleri* Steph.)
fusca Steph. = **B. decrescens**
molleri Steph. = **B. decrescens** subsp. **molleri**
nitida (F.Weber) Grolle **E**
 (*B. convexa* (Lindenb.) Trevis.)
KURZIA G.Martens
capillaris (Sw.) Grolle subsp. **capillaris** var. **capillaris**
Distribution uncertain
 (*Microlepidozia tabularis* (Steph.) S.W.Arnell)
LEPIDOZIA Dumort.
hyalina Steph. = **L. pearsonii**
pearsonii Spruce **E**
 (*L. hyalina* Steph.)
MICROLEPIDOZIA Spruce
tabularis (Steph.) S.W.Arnell = **Kurzia capillaris** subsp.
capillaris var. **capillaris**

TELARANEA Spruce ex Schiffn.

nematodes (Gottsche ex Austin) M.Howe **Distribution uncertain**

sejuncta (Angstr.) S.W.Arnell = **Arachniopsis diacantha**

LUNULARIACEAE

LUNULARIA Adans.

cruciata (L.) Dumort. ex Lindb. **E**

MARCHANTIACEAE

DUMORTIERA Nees

hirsuta (Sw.) Nees **C E**

MARCHANTIA L. emended Raddi

berteroana Lehm. & Lindenb. **E**

(*M. tabularis* Nees)

debilis K.I.Goebel **E***

pappeana Lehm. subsp. **pappeana** **N E**

(*M. parviloba* Steph.)

(*M. wilmsii* Steph.)

parviloba Steph. = **M. pappeana** Lehm. subsp. **pappeana**

polymorpha L. **E***

tabularis Nees = **M. berteroana**

wilmsii Steph. = **M. pappeana** subsp. **pappeana**

METZGERIACEAE

METZGERIA Raddi

capensis S.W.Arnell = **M. decipiens**

decipiens (C.Massal.) Schiffn. **E**

(*M. capensis* S.W.Arnell)

(*M. perrotana* Steph.)

hamata Lindb. = **M. leptoneura**

leptoneura Spruce **E**

(*M. hamata* Lindb., illegitimate name)

limbato-setosa Steph. **E**

nudifrons Steph. **C E**

perrotana Steph. = **M. decipiens**

PALLAVICINIACEAE

PALLAVICINIA Gray

lyellii (Hook.) Carruth. **C E**

(*P. pilifera* Steph.)

pilifera Steph. = **P. lyellii**

SYMPHYOGYNA Nees & Mont.

brasiliensis Nees & Mont. **C E S**

(*S. lehmanniana* Mont. & Nees)

harveyana Taylor = **S. podophylla**

lehmanniana Mont. & Nees = **S. brasiliensis**

podophylla (Thunb.) Mont. & Nees **E**

(*S. harveyana* Taylor)

PLAGIOCHILACEAE

PLAGIOCHILA (Dumort.) Dumort.

barteri Mitt. **E**

capensis Steph. = **P. kiaeri** var. **capensis**

corymbulosa Pearson = **P. heterostipa**

crispulo-caudata Gottsche = **P. squamulosa** var.

crispulo-caudata

divergens var. *capensis* (Steph.) E.W.Jones = **P. kiaeri**

var. **capensis**

engleriana Steph. = **P. lastii**

heterostipa Steph. **N C E S**

(*P. corymbulosa* Pearson)

(*P. natalensis* Pearson)

integerrima Steph. **E**

kiaeri Gottsche var. **capensis** (Steph.) E.W.Jones **C***

(*P. capensis* Steph.)

(*P. divergens* var. *capensis* (Steph.) E.W.Jones)

lastii Mitt. **W* C***

(*P. engleriana* Steph.)

natalensis Pearson = **P. heterostipa**

sinuosa Mitt. = **P. squamulosa** var. **sinuosa**

squamulosa Mitt. var. **crispulo-caudata** (Gottsche)

Vanden Berghen **E**

(*P. crispulo-caudata* Gottsche)

squamulosa Mitt. var. **sinuosa** (Mitt.) Vanden Berghen **E**

(*P. sinuosa* Mitt.)

PORELLACEAE

PORELLA L.

capensis (Gottsche) Mitt. **E**

triquetra (Steph.) E.W.Jones **E***

RADULACEAE

RADULA Dumort.

ankefinensis Gottsche ex Steph. **E***

(*R. holstiana* Steph.)

bipinnata Mitt. = **R. boryana**

boryana (F.Weber) Mont. **E**

(*R. bipinnata* Mitt.)

capensis Steph. = **R. lindenbergiana**

fulvifolia (Hook.f. & Taylor) Gottsche, Lindenb. & Nees **W***

holstiana Steph. = **R. ankefinensis**

lindenbergiana Gottsche ex C.Hartm. **E**

(*R. capensis* Steph.)

RICCIACEAE

RICCIA L.

atropurpurea Sim **C E**

cavernosa Hoffm. emended Raddi **C**

(*R. rautanenii* (Steph.) Steph.)

congoana Steph. **W**

(*R. rhodesiae* S.W.Arnell)

crinita Taylor

(*R. trichocarpa* M.Howe)

crystallina L. emended Raddi **N C**

fluitans L. sensu lato **N C E**

membranaceae Gottsche & Lindenb. **N W C E S**

microciliata O.H.Volk & Perold **N W C**

moenkemeyeri Steph. **N W**

okahandjana S.W.Arnell **W S**

rautanenii (Steph.) Steph. = **R. cavernosa**
rhodesiae S.W.Arnell = **R. congoana**
rosea O.H.Volk & Perold **W***
runssorensis Steph. **S**
stricta (Lindenb.) Perold **N W C E**
trichocarpa M.Howe = **R. crinata**

SCHISTOCHILACEAE

GOTTSCHEA Nees ex Mont.
sphagnoides (Schwägr.) Lindb. **E**
(Schistochila limbata S.W.Arnell)
(Schistochila sphagnoides (Schwägr.) Steph.)
SCHISTOCHILA Dumort.
limbata S.W.Arnell = **Gottschea sphagnoides**
sphagnoides (Schwaegr.) Steph. = **Gottschea sphagnoides**

TARGIONIACEAE

CYATHODIUM Kunze
africanum Mitt. = **C. cavernarum**
cavernarum Kunze **N W**
(C. africanum Mitt.)
TARGIONIA L.
capensis Huebener = **T. hypophylla**
hypophylla L. **N C E**
(T. capensis Huebener)

Anthocerotophyta

ANTHOCEROTACEAE

ANTHOCEROS L.
dimorphus Sim **W**
PHAEOCEROS Prosk.
bolusii (Sim) S.W.Arnell **Distribution uncertain**
carolinianus (Michx.) Prosk. **C E**
(P. laevis subsp. carolinianus (Michx.) Prosk.)
laevis subsp. *carolinianus* (Michx.) Prosk. = **P. carolinianus**
minutus (Mitt.) S.W.Arnell **C**

Bryophyta

AMBLYSTEGIACEAE

AMBLYSTEGIUM Bruch, Schimp. & W.Gümbel
riparium (Hedw.) Bruch, Schimp. & W.Gümbel =
Leptodictyum riparium
DREPANOCLADUS (Müll.Hal.) G.Roth.
aduncus var. **aduncus** (Hedw.) Warnst. **W C**
sparsus Müll.Hal. **N W* C**
LEPTODICTYUM (Schimp.) Warnst.
riparium (Hedw.) Warnst. **N C**
(Amblystegium riparium Bruch, Schimp. & W.Gümbel)

ANDREAEACEAE

ANDREAEA Hedw.
mildbraedii Broth. **Distribution uncertain**
rupestris Hedw. var. **rupestris E**

ARCHIDIACEAE

ARCHIDIUM Brid.
acanthophyllum Snider **N W C E S**
africanum Mitt. = **A. ohioense**
leptophyllum P.de la Varde = **A. ohioense**
muellerianum Snider **C E S**
ohioense Schimp. ex Müll.Hal. **N C E S**
(A. africanum Mitt.)
(A. leptophyllum P.de la Varde)
(A. pellucidum Dixon ex Sim)
pellucidum Dixon ex Sim = **A. ohioense**

BARTRAMIACEAE

BARTRAMIA Hedw.
afrouncinata Müll.Hal. = **Philonotis dregeana**
aristaria Müll.Hal. **W E**
(Breutelia aristaria (Müll.Hal.) Broth.)
hampeana Müll.Hal. **E**
(B. penicillata Müll.Hal.)
(B. ramentosa Müll.Hal.)
penicillata Müll.Hal. = **B. hampeana**
ramentosa Müll.Hal. = **B. hampeana**
BARTRAMIDULA Bruch, Schimp. & W.Gümbel
globosa (Müll.Hal.) Broth. = **Philonotis globosa**
BREUTELIA (Bruch, Schimp. & W.Gümbel)
Hampe
angustifolia Rehmann ex Sim = **B. microdonta**
aristaria (Müll.Hal.) Broth. = **Bartramia aristaria**
diffRACTA Mitt. **E**
(B. subgnaphalea (Müll.Hal.) Kindb.)
microdonta (Mitt.) Broth. **E**
(B. angustifolia Rehmann ex Sim)
subgnaphalea (Müll.Hal.) Kindb. = **B. diffRACTA**
PHILONOTIS Brid.
africana (Müll.Hal.) Rehmann ex Paris **N W C E S**
afrocapillaris Dixon ex Sim = **P. dregeana**
afrofontana (Müll.Hal.) Paris = **P. falcata**
androgyna (Hampe) A.Jaeger **W* S***
dregeana (Müll.Hal.) A.Jaeger **N W C E S**
(Bartramia afrouncinata Müll.Hal.)
(P. afrocapillaris Dixon ex Sim)
falcata (Hook.) Mitt. **E**
(P. afrofontana (Müll.Hal.) Paris)
globosa (Müll.Hal.) D.G.Griffin & W.R.Buck **E***
(Bartramidula globosa (Müll.Hal.) Broth.)
hastata (Duby) Wijk & Margad. **N W E S**
(P. imbricatula Mitt.)
(P. laxissima (Müll.Hal.) Mitt.)
imbricatula Mitt. = **P. hastata**
laeviuscula Dixon **E***
laxissima (Müll.Hal.) Mitt. = **P. hastata**

BRACHYTHECIACEAE

- BRACHYTHECIUM** Bruch, Schimp. & W.Gümbel
implicatum (Hornsch. ex Müll.Hal.) A.Jaeger **W* E S***
salebrosum (Hoffm. ex F.Weber & D.Mohr) Bruch,
 Schimp. & W.Gümbel **E***
PLATYHYPNIDIUM M.Fleisch.
mac-owanianum (Paris) M.Fleisch. **N* E**
 (*Rhynchostegium macowanianum* Paris)
RHYNCHOSTEGIELLA (Bruch, Schimp. &
 W.Gümbel) Limpr.
holstii (Broth.) Broth. **E**
tenella var. **tenella** (Dicks.) Limpr. **E***
zeyheri (Spreng. ex Müll.Hal.) Broth. **Distribution**
uncertain
RHYNCHOSTEGIUM Bruch, Schimp. & W.Gümbel
brachypterum (Hornsch.) A.Jaeger **W C E**
macowanianum Paris = **Platyhypnidium mac-**
owanianum
rhapidorrhynchum (Müll.Hal.) A.Jaeger **E**

BRUCHIACEAE

- CLADOPHASCUM** Dixon
gymnomitrioides (Dixon) Dixon **W S**
 (*Aongstroemia gymnomitrioides* Dixon)
TREMATODON Michx.
africanus Wager & Dixon = **T. longicollis**
flexifolius Müll.Hal. = **T. longicollis**
intermedius Welw. & Duby = **T. paradoxus**
ligulatus Rehmann ex Roth. = **T. mayottensis**
longicollis Michx. **N W C**
 (*T. africanus* Wager & Dixon)
 (*T. flexifolius* Müll.Hal.)
 (*T. pallidus* Müll.Hal.)
mayottensis Besch. **W C E**
 (*T. ligulatus* Rehmann ex Roth.)
pallidus Müll.Hal. = **T. longicollis**
paradoxus Hornsch. var. **paradoxus C E S**
 (*T. intermedius* Welw. & Duby)
paradoxus var. **nanus** (Welw. & Duby) Sim **C***

BRYACEAE

- ANOMOBRYUM** Schimp.
filiforme (Dicks.) Husn., illegitimate name = **A.**
julaceum
julaceum (Schrader ex P.Gaertn., B.Mey. & Scherb.)
 Schimp. var. **julaceum N W C E**
 (*A. filiforme* (Dicks.) Husn., illegitimate name)
BRACHYMENIUM Schwägr.
acuminatum Harv. **N W C E S**
 (*B. borgenianum* Hampe)
 (*B. lonchopus* P.de la Varde)
angolense (Welw. & Duby) A.Jaeger = **B. systylium**
borgenianum Hampe = **B. acuminatum**
dicranoides (Hornsch.) A.Jaeger **W* E* S***
 (*B. liliputanum* (Müll.Hal.) Broth.)
exile (Dozy & Molk.) Bosch & Sande Lac. **N* S***
julaceum Hornsch. = **B. pulchrum**

- leptophyllum** (Bruch & Schimp. ex Müll.Hal.) Bruch
 & Schimp. ex A.Jaeger **N W* C E S***
 (*B. variabile* Dixon)
liliputanum (Müll.Hal.) Broth. = **B. dicranoides**
lonchopus P.de la Varde = **B. acuminatum**
philonotula Broth. **W***
pulchrum Hook. **W C E**
 (*B. julaceum* Hornsch.)
rhodesiae Dixon = **B. rigidum**
rigidum Broth. & Paris **C E**
 (*B. rhodesiae* Dixon)
systylium (Müll.Hal.) A.Jaeger **N W C E S***
 (*B. angolense* (Welw. & Duby) A.Jaeger)
variabile Dixon = **B. leptophyllum**

BRYUM Hedw.

- afroalpinum* Müll.Hal. = **B. alpinum** var. **alpinum**
alpinum var. **alpinum** Huds. ex With. **E**
 (*B. afroalpinum* Müll.Hal.)
andicola Hook. **N C E S**
 (*B. pumiliroseum* Dixon)
arachnoideum Müll.Hal. **N* C***
argenteum var. **argenteum** Hedw. **N W C E S**
 (*B. argenteum* var. *lanatum* (P.Beauv.) Hampe)
 (*B. argenteum* var. *proliferum* Sim)
argenteum var. **australe** Rehmann ex Dixon **W***
argenteum var. *lanatum* (P.Beauv.) Hampe = **B.**
argenteum var. **argenteum**
argenteum var. *proliferum* Sim = **B. argenteum** var.
argenteum
argenteum var. *rotundifolium* Sim = **B. cellulare**
aterrimum Müll.Hal. ex Sim = **B. torquescens**
aulacomnioides Müll.Hal. = **B. pseudotriquetrum**
bicolor Dicks. = **B. dichitumum**
canariense Brid. **N W C E S**
 (*B. canariensisforme* Dixon)
 (*B. condensatum* Hampe)
canariensisforme Dixon = **B. canariense**
capillare Hedw. **N W C E**
cellulare Hook. **N W* C S**
 (*B. argenteum* Hedw. var. *rotundifolium* Sim)
condensatum Hampe = **B. canariense**
coronatum Schwägr. **N C**
decursivum Müll.Hal. = **B. torquescens**
dichitumum Hedw. **N W C E S**
 (*B. bicolor* Dicks.)
ecklonianum Müll.Hal. = **Pohlia nutans**
humidulum Sull. & Lesq. = **Pohlia nutans**
keniae Müll.Hal. **N E S**
 (*Rhodobryum keniae* (Müll.Hal.) Broth.)
 (*Rhodobryum pertomentosum* Dixon)
lonchopyxis Müll.Hal. = **B. torquescens**
mundtii Müll.Hal. **C***
pseudotriquetrum (Hedw.) P.Gaertn., B.Mey. & Scherb. **E**
 (*B. aulacomnioides* Müll.Hal.)
pumiliroseum Dixon = **B. andicola**
pyncophyllum (Dixon) Mohamed **W* E S**
 (*B. truncorum* (Brid.) Brid. var. *pyncophyllum* Dixon)
torquescens Bruch ex De Not. **N W C E**
 (*B. aterrimum* Müll.Hal. ex Sim)
 (*B. decursivum* Müll.Hal.)

- (*B. lonchopyxis* Müll.Hal.)
truncorum (Brid.) Brid. var. *pycnophyllum* Dixon = **B. pycnophyllum**
umbraculum Bruch ex Hook. **S***
 (*Rhodobryum umbraculum* (Hook.) Schimp. ex Paris)
voeltzkowii Broth. **S***
viridescens Welw. & Duby **N C E**
MIELICHHOFERIA Nees & Hornsch.
bryoides (Harv.) Wijk & Margad. **C E S***
 (*M. ecklonii* Hornsch.)
 (*M. rehmannii* Müll.Hal.)
 (*M. transvaaliensis* Müll.Hal.)
ecklonii Hornsch. = **M. bryoides**
rehmannii Müll.Hal. = **M. bryoides**
transvaaliensis Müll.Hal. = **M. bryoides**
PLAGIOBRYUM Lindb.
zierii (Dicks. ex Hedw.) Lindb. **N***
POHLIA Hedw.
elongata Hedw. **C E**
 (*Webera elongata* (Hedw.) Schwägr.)
 (*Webera leptoblepharon* (Müll.Hal.) A.Jaeger)
nutans (Hedw.) Lindb. **E**
 (*Bryum ecklonianum* Müll.Hal.)
 (*Bryum humidulum* Sull. & Lesq.)
 (*Webera afronutans* (Müll.Hal.) Paris)
 (*Webera nutans* Hedw.)
RHODOBRYUM (Schimp.) Limpr.
commersonii (Schwägr.) Brid. **E**
keniae (Müll.Hal.) Broth. = **Bryum keniae**
pertomentosum Dixon = **Bryum keniae**
umbraculum (Hook.) Schimp. ex Paris = **Bryum umbraculum**
WEBERA Hedw.
afronutans (Müll.Hal.) Paris = **Pohlia nutans**
elongata (Hedw.) Schwägr. = **Pohlia elongata**
leptoblepharon (Müll.Hal.) A.Jaeger = **Pohlia elongata**
nutans Hedw. = **Pohlia nutans**

CALYMPERACEAE

- CALYMPERES** Sw. ex F.Weber
afzelii Sw. **W**
 (*C. dusenii* Müll.Hal. ex Besch.)
 (*C. victoriae* Dixon)
dusenii Müll.Hal. ex Besch. = **C. afzelii**
pallidum Mitt. **N**
 (*C. rabenhorstii* Hampe & Müll.Hal.)
rabenhorstii Hampe & Müll.Hal. = **C. pallidum**
victoriae Dixon = **C. afzelii**
OCTOBLEPHARUM Hedw.
albidum Hedw. **N W C E S**
SYRRHOPODON Schwägr.
asper Mitt. **E**
 (*S. gomesii* P.de la Varde)
 (*S. mildbraedii* Broth. in Mildbr.)
dregei Hornsch. = **Hypodontium dregei**
erectifolius Müll.Hal. = **S. gaudichaudii**
gaudichaudii Mont. **E**
 (*S. erectifolius* Müll.Hal.)
 (*S. pulvinaris* Paris)

- (*S. uncinifolius* Müll.Hal.)
gomesii P.de la Varde = **S. asper**
mildbraedii Broth. in Mildbr. = **S. asper**
perichaetialis Bruch ex Krauss = **Hypodontium dregei**
pulvinaris Paris = **S. gaudichaudii**
uncinifolius Müll.Hal. = **S. gaudichaudii**

DICRANACEAE

- AONGSTROEMIA** Bruch & Schimp.
filiformis (P.Beauv.) Wijk & Margad. **E**
gymnomitrioides Dixon = **Cladophascum gymnomitrioides**
CAMPYLOPUS Brid.
altovirescens (Müll.Hal.) Paris = **C. robillardei**
ampliretus (Müll.Hal.) Cardot = **C. flaccidus**
aureonitens (Müll.Hal.) A.Jaeger **Distribution uncertain**
 (*C. lonchocladus* Müll.Hal.)
 (*C. symonsii* Sim)
bequaertii Thér. & Naveau = **C. savannarum**
bryhnii Broth. = **C. nanophyllum**
capensis Broth. = **C. thwaitesii**
chlorotrichus (Müll.Hal.) Paris = **C. thwaitesii**
consociatus Thér. = **C. flaccidus**
controversus (Hampe) A.Jaeger = **C. thwaitesii**
decaryi Thér. **N* S***
delagoae (Müll.Hal.) Paris = **C. savannarum**
echinatus Rehmann ex Sim, illegitimate name = **C. introflexus**
edwardsii Sim = **C. flaccidus**
flaccidus Renaud & Cardot **E**
 (*C. ampliretus* (Müll.Hal.) Cardot)
 (*C. consociatus* Thér.)
 (*C. edwardsii* Sim)
griseolus (Müll.Hal.) Paris = **C. pilifer** subsp. **pilifer**
inchangae (Rehmann ex Müll.Hal.) Paris = **C. robillardei**
introflexus (Hedw.) Brid. **N W C E S**
 (*C. echinatus* Rehmann ex Sim, illegitimate name)
 (*C. lepidophyllus* (Müll.Hal.) A.Jaeger)
jamesonii (Hook.) A.Jaeger **E**
 (*C. procerus* (Müll.Hal.) Paris)
lepidophyllus (Müll.Hal.) A.Jaeger = **C. introflexus**
lonchocladus Müll.Hal. = **C. aureonitens**
nanophyllum Müll.Hal. ex Broth. **C***
 (*C. bryhnii* Broth.)
pallidus Hook.f. & Wilson = **C. pyriformis**
perpusillus Mitt. **N W E S**
 (*Microcampylopus perpusillus* (Mitt.) Broth.)
pilifer subsp. **pilifer** Brid. **W S**
 (*C. griseolus* (Müll.Hal.) Paris)
 (*C. purpurascens* Lorentz)
 (*C. trichodes* Lorentz)
procerus (Müll.Hal.) Paris = **C. jamesonii**
purpurascens Lorentz = **C. pilifer** subsp. **pilifer**
pyriformis var. **pyriformis** (F.W.Schultz) Brid. **E**
 (*C. pallidus* Hook.f. & Wilson)
robillardei Besch. **N C E**
 (*C. altovirescens* (Müll.Hal.) Paris)
 (*C. inchangae* (Rehmann ex Müll.Hal.) Paris)

CAMPYLOPUS Brid. (cont.)**savannarum** (Müll.Hal.) Mitt. **N W C E S**

(C. bequaertii Thér. & Naveau)

(C. delagoae (Müll.Hal.) Paris)

stenopelma (Müll.Hal.) Rehm ex Paris = **C. thwaitesii****subchlorophyllosus** Müll.Hal. = **Sphaerothercium****subchlorophyllosum****symonsii** Sim = **C. aureonitens****thwaitesii** (Mitt.) A.Jaeger **E**

(C. capensis Broth.)

(C. chlorotrichus (Müll.Hal.) Paris)

(C. controversus (Hampe) A.Jaeger)

(C. stenopelma (Müll.Hal.) Rehm ex Paris)

trichodes Lorentz = **C. pilifer** subsp. **pilifer****DICRANELLA** (Müll.Hal.) Schimp.**subsubulata** (Hampe ex Müll.Hal.) A.Jaeger **E***

(Microcampylopus pusillus Müll.Hal., illegitimate name)

HOLOMITRIUM Brid.**cylindraceum** (P.Beauv.) Wijk & Margad. var.**cucullatum** (Besch.) Wijk & Margad. **E****LEUCOLOMA** Brid.**haakoni** Broth. & Bryhn = **L. syrrhopodontioides****schelpei** P.de la Varde **E****syrrhopodontioides** Broth. **E**

(L. haakonii Broth. & Bryhn.)

woodii Rehm & Maclea ex Wager = **L. zuluense**var. **zuluense****zuluense** Broth. & Bryhn. var. **zuluense** **E***

(L. woodii Rehm & Maclea ex Wager)

MICROCAMPYLOPUS (Müll.Hal.) M.Fleisch.**perpusillus** (Mitt.) Broth. = **Campylopus perpusillus****pusillus** Müll.Hal., illegitimate name = **Dicranella****subsubulata****RHABDOWEISA** Bruch, Schimp. & W.Gümbel**fugax** (Hedw.) Bruch, Schimp. & W.Gümbel **E****SPHAEROTHECIUM** Hampe**subchlorophyllosum** (Müll.Hal.) J.-P.Frahm **E**

(Campylopus subchlorophyllosus Müll.Hal.)

DITRICHACEAE

DITRICHUM Hampe**brachypodium** (Müll.Hal.) Broth. **N E**

(D. brevifolium (Müll.Hal.) Broth.)

(D. hymenodontium Dixon)

brevifolium (Müll.Hal.) Broth. = **D. brachypodium****difficile** (Duby) M.Fleisch. **E**

(D. flexifolium Hampe)

flexifolium Hampe = **D. difficile****hymenodontium** Dixon = **D. brachypodium****PLEURIDIUM** Rabenh.**breutelianum** (Hampe) A.Jaeger = **P. pappeanum****pappeanum** (Müll.Hal.) A.Jaeger **E**

(P. breutelianum (Hampe) A.Jaeger)

ENTODONTACEAE

ENTODON Müll.Hal.**brevirameus** Dixon = **E. macropodus****cymbifolius** Wager & Dixon **E S*****dregeanus** (Hornsch.) Müll.Hal. = **E. macropodus****macropodus** (Hedw.) Müll.Hal. **E S**

(E. brevirameus Dixon)

(E. dregeanus (Hornsch.) Müll.Hal.)

ERYTHRODONTIUM Hampe**subulaceum** (Müll.Hal.) Paris **S***

EPHEMERACEAE

EPHEMERUM Hampe**rehmannii** (Müll.Hal.) Broth. **Distribution uncertain**

ERPODIAACEAE

AULACOPILUM Wilson**trichophyllum** (Ångström ex Müll.Hal.) I.G.Stone =**Erpodium glaucum** var. **trichophyllum****ERPODIUM** (Brid.) Brid.**beccarii** var. **beccarii** Müll.Hal. ex Venturi **N W C S**

(E. hanningtonii Mitt.)

glaucum var. **trichophyllum** (Ångström ex Müll.Hal.)I.G. Stone **S***

(Aulacopilum trichophyllum Ångström ex Müll.Hal.)

grossirete Müll.Hal. **N W*****hanningtonii** Mitt. = **E. beccarii** var. **becarii**

FABRONIACEAE

FABRONIA Raddi**abyssinica** Müll.Hal. **W* S*****leikipiae** Müll.Hal. **C* S*****pilifera** Hornsch. **N W C E S****rehmannii** Müll.Hal. **S*****victoriae** Dixon **W*****RHIZOFABRONIA** (Broth.) M.Fleisch.**persoonii** (Schwägr.) M.Fleisch. var. **sphaerocarpa**(Dusén) Bizot ex Ochya **E**

(R. sphaerocarpa (Dusén) M.Fleisch.)

sphaerocarpa (Dusén) M.Fleisch. = **R. persoonii** var.**sphaerocarpa**

FISSIDENTACEAE

FISSIDENS Hedw.**amblyophyllum** Müll.Hal. = **F. asplenioides****androgynus** Bruch & C.Krauss = **F. bryoides****asplenioides** Hedw. **C E**

(F. amblyophyllum Müll.Hal.)

beckettii Mitt. **N C**

(F. simii Schelpe)

bogosisus Müll.Hal. **N S**

(F. calochlorus Dixon)

(F. hyalobasis Dixon ex Sim)

(F. microandrogynus Dixon)

(F. parvilimbatus Sim)

borgenii Hampe **N W C E**

(F. paucilimbatus P.de la Varde)

breutelii Schimp. ex Müll.Hal. = **F. rufescens****bryoides** Hedw. var. **bryoides** **N W C E S**

(F. androgynus Bruch & C.Krauss)

(F. gueinzii Müll.Hal.)

calochlorus Dixon = **F. bogosisus**

capensis (Müll.Hal.) Broth. = **F. palmifolius**
corrugatus Dixon = **F. somaliae**
crassipes subsp. *philibertii* Besch. = **F. crassipes** subsp. **warnstorffii**
crassipes subsp. **warnstorffii** (M.Fleisch.) Brugg.-Nann. **W**
 (F. *crassipes* subsp. *philibertii* Besch.)
crispulus Brid. **E**
curvatus Hornsch. var. **curvatus** **W E**
 (F. *cuspidatus* Müll.Hal.)
 (F. *gracile* Hampe ex Müll.Hal.)
cuspidatus Müll.Hal. = **F. curvatus** var. **curvatus**
dubiosus Dixon = **F. leucocinctus**
enervis Sim **E**
 (F. *enervis* var. *hedbergii* (P.de la Varde) Bizot)
enervis var. *hedbergii* (P.de la Varde) Bizot = **F. enervis**
erosulus (Müll.Hal.) Paris **N W C E S**
flaccidus Mitt. **N W C**
glaucescens Hornsch. = **F. ovatus**
gracile Hampe ex Müll.Hal. = **F. curvatus** var. **curvatus**
gueinzii Müll.Hal. = **F. bryoides**
hyalobasis Dixon ex Sim = **F. bogosicus**
lanceolatus Hampe = **F. ovatus**
latifolius Dixon = **F. megalotis** subsp. **helictocaulos**
leucocinctus Hampe **W***
 (F. *dubiosus* Dixon)
megalotis Schimp. ex Müll.Hal. subsp. **helictocaulos**
 (Müll.Hal.) Brugg.-Nann. **W S**
 (F. *latifolius* Dixon)
menyharti Müll.Hal. **W**
microandrogynus Dixon = **F. bogosicus**
nitens Rehmann ex E.S.Salmon = **F. porrectus**
ovatus Brid. **N W E**
 (F. *glaucescens* Hornsch.)
 (F. *lanceolatus* Hampe)
 (F. *rehmanni* Müll.Hal.)
palmifolius (P.Beauv.) Broth. **W***
 (F. *capensis* (Müll.Hal.) Broth.)
parvilimbatus Sim = **F. bogosicus**
paucilimbatus P.de la Varde = **F. borgenii**
plumosus Hornsch. **E**
porrectus Mitt. **E**
 (F. *nitens* Rehmann ex E.S.Salmon)
 (F. *rufolimbatus* Cardot)
pseudoserratus (Müll.Hal.) A.Jaeger **E**
pygmaeus Hornsch. **N W**
 (F. *stellenboschianus* Dixon)
rehmannii Müll.Hal. = **F. ovatus**
rufescens Hornsch. **N W C E S**
 (F. *breutelii* Schimp. ex Müll.Hal.)
rufolimbatus Cardot = **F. porrectus**
sciophyllus Mitt. forma **sciophyllus** **N W C E**
 (F. *subobtusatus* Müll.Hal.)
serratus Müll.Hal. var. **serratus** **E**
simii Schelpe = **F. beckettii**
somaliae Müll.Hal. **W**
 (F. *corrugatus* Dixon)
stellenboschianus Dixon = **F. pygmaeus**
submarginatus Bruch **N W C**
subobtusatus Müll.Hal. = **F. sciophyllus** forma **sciophyllus**

FUNARIACEAE

ENTOSTHODON Schwägr.

dixonii Sim = **Funaria longicollis**
gracilescens Müll.Hal. = **Funaria limbata**
marginatus Müll.Hal. = **Funaria limbata**
spatulatus (Schimp. ex Müll.Hal.) Sim = **Funaria spatulata**

FUNARIA Hedw.

ampliretis (Rehmann ex Müll.Hal.) Broth. = **F. limbata**

harveyana Magill = **F. succuleata**

hygrometrica var. **hygrometrica** Hedw. **N C E**

(F. *lonchopelma* Müll.Hal.)

limbata (Müll.Hal.) Broth. **N**

(*Entosthodon gracilescens* Müll.Hal.)

(*Entosthodon marginatus* Müll.Hal.)

(F. *ampliretis* (Rehmann ex Müll.Hal.) Broth.)

(F. *micropyxis* (Müll.Hal.) Broth.)

lonchopelma Müll.Hal. = **F. hygrometrica** var.

hygrometrica

longicollis Dixon **W* S***

(*Entosthodon dixonii* Sim)

micropyxis (Müll.Hal.) Broth. = **F. limbata**

rhomboidea J.Shaw **N**

(F. *schinzii* (Geh.) Broth.)

(*Physcomitrium rivale* (Geh.) Broth.)

rufinervis Dixon = **F. urceolata**

schinzii (Geh.) Broth. = **F. rhomboidea**

spatulata Schimp. ex Müll.Hal. **N E**

(*Entosthodon spatulatus* (Schimp. ex Müll.Hal.) Sim)

succuleata (Wager & C.H.Wright) Broth. ex Magill **N W C E**

(F. *harveyana* Magill)

urceolata (Mitt.) Magill **E**

(F. *rufinervis* Dixon)

MICROPOMA Lindb.

niloticum (Delile) Lindb. = **Physcomitrium niloticum**

PHYSCOMITRIUM (Brid.) Brid.

niloticum (Delile) Müll.Hal. **N W**

(*Micropoma niloticum* (Delile) Lindb.)

rivale (Geh.) Broth. = **Funaria rhomboidea**

spatulatum var. **spatulatum** (Hornsch.) Müll.Hal. **W* C**

GRIMMIACEAE

GRIMMIA Hedw.

affinis Hornsch. = **G. longirostris**

longirostris Hook. **Distribution uncertain**

(G. *affinis* Hornsch.)

RACOMITRIUM Brid.

austropatens Broth. = **R. crispulum**

capense Lorentz = **R. crispulum**

crispulum (Hook.f. & Wilson) Hook.f. & Wilson **E***

(R. *austropatens* Broth.)

(R. *capense* Lorentz)

(R. *drakensbergense* Sim)

drakensbergense Sim = **R. crispulum**

HEDWIGIACEAE

- BRAUNIA** Bruch, Schimp. & W.Gümbel
arbuscula (Welw. & Duby) A.Gepp **S***
brachytheca (Dixon) Broth. = **B. secunda**
diaphana (Müll.Hal.) A.Jaeger = **B. secunda**
erosa Müll.Hal. = **Hedwigidium integrifolium**
macowaniana Müll.Hal. = **Hedwigidium integrifolium**
peristomata Dixon in Sim & Dixon = **Felipponea**
assimilis
secunda (Hook.) Bruch, Schimp. & W.Gümbel **W C**
E S
(B. brachytheca (Dixon) Broth.)
(B. diaphana (Müll.Hal.) A.Jaeger)
- HEDWIGIA** P.Beauv.
albicans (Hedw.) P.Beauv. **S***
- HEDWIGIDIUM** Bruch, Schimp. & W.Gümbel
integrifolium (P.Beauv.) Dixon **E**
(Braunia erosa Müll.Hal.)
(Braunia macowaniana Müll.Hal.)

HYPNACEAE

- CHRYSO-HYPNUM** Hampe
cavifolium (Dixon) Ochyra & Sharp **E**
(Mittenothamnium cavifolium (Dixon) Wijk & Margad.)
- ECTROPOTHECIUM** Mitt.
brachycarpum (Dixon) Magill **E**
(E. brevisetum Dixon, illegitimate name)
(Isopterygium brachycarpum Dixon)
brevisetum Dixon, illegitimate name = **E. brachycarpum**
paillotii Renauld & Cardot **Distribution uncertain**
perrotii Renauld & Cardot **W* E**
regulare (Brid.) A.Jaeger **C* E**
- HYPNUM** Hedw.
aduncoides (Brid.) Müll.Hal. = **H. macrogynum**
cupressiforme Hedw. var. **cupressiforme N* C* E**
macrogynum Besch. **W***
(H. aduncoides (Brid.) Müll.Hal.)
- ISOPTERYGIUM** Mitt.
aquaticum Dixon **N C**
brachycarpum Dixon = **Ectropothecium brachycarpum**
leucophanes (Hampe ex Müll.Hal.) A.Jaeger **C E**
- MITTENOTHAMNIUM** Henn.
cavifolium (Dixon) Wijk & Margad. = **Chryso-**
hypnum cavifolium
cygnicollum (Dixon) Wijk & Margad. = **M. reptans**
proreptans (Müll.Hal.) Cardot = **M. pseudoreptans**
pseudoreptans (Müll.Hal.) Cardot **E**
(M. proreptans (Müll.Hal.) Cardot)
reptans (Hedw.) Cardot **E**
(M. cygnicollum (Dixon) Wijk & Margad.)
- RHACOPILOPSIS** Renauld & Cardot
flexilis (Renauld & Cardot) W.R.Buck = **R.**
variegatum
guineensis (Broth. & Paris) W.R.Buck = **R. variegatum**
transvaaliensis (Thér. & Dixon ex Sim) W.R.Buck = **R.**
trinitensis
trinitensis (Müll.Hal.) E.Britton ex Dixon **Distribution**
uncertain
(R. transvaaliensis (Thér. & Dixon ex Sim) W.R.Buck)

variegatum (Welw. & Duby) M.C.Watling & O'Shea

Distribution uncertain

(R. flexilis (Renauld & Cardot) W.R.Buck)

(R. guineensis (Broth. & Paris) W.R.Buck)

VESICULARIA (Müll.Hal.) (Müll.Hal.)

galerulata (Duby) Broth. **E**

(V. sphaerocarpa (A.Jaeger) Broth.)

sphaerocarpa (A.Jaeger) Broth. = **V. galerulata**

HYPOPTERYGIACEAE

HYPOPTERYGIUM Brid.

laricinum (Hook.) Brid. = **H. tamarisci**

pennaeforme (Brid.) Hornsch. = **Lopidium**

pennaeforme

tamarisci (Sw.) Brid. ex Müll.Hal. **E**

(H. laricinum (Hook. Brid.))

LOPIDIUM Hook.f. & Wilson

pennaeforme (Thunb. ex Brid.) M.Fleisch. **E**

(Hypopterygium pennaeforme (Brid.) Hornsch.)

LEPTODONTACEAE

LEPTODON D.Mohr

smithii (Hedw.) F.Weber & D.Mohr **N***

LESKEACEAE

LINDBERGIA Kindb.

haplocladioides Dixon **E**

patentifolia Dixon **W E S***

pseudoleskeoides Dixon **E S***

PSEUDOLESKEA Bruch, Schimp. & W.Gümbel

claviramea (Müll.Hal.) A.Jaeger = **Pseudoleskeopsis**

claviramea

leskeoides (Paris) Müll.Hal. **S***

(P. macowaniana Müll.Hal.)

macowaniana Müll.Hal. = **P. leskeoides**

PSEUDOLESKEOPSIS Broth.

claviramea (Müll.Hal.) Thér. **C E S**

(Pseudoleskea claviramea (Müll.Hal.) A.Jaeger)

LEUCOBRYACEAE

LEUCOBRYUM Hampe

acutifolium (Mitt.) Cardot **N C E**

(L. gueinzii Müll.Hal.)

gueinzii Müll.Hal. = **L. acutifolium**

madagassum Besch. **C E S**

LEUCODONTACEAE

FELIPPONEA Broth.

assimilis (Müll.Hal.) O'Shea **W C E S**

(Braunia peristomata Dixon in Sim & Dixon)

(Leucodon assimilis (Müll.Hal.) A.Jaeger)

(Leucodon assimilis (Müll.Hal.) A.Jaeger var. humilis Sim)

LEUCODON Schwägr.

assimilis (Müll.Hal.) A.Jaeger = **Felipponea assimilis**

assimilis (Müll.Hal.) A.Jaeger var. *humilis* Sim =

Felipponea assimilis

METEORACEAE

AEROBRYOPSIS M.Fleisch.**capensis** (Müll.Hal.) M.Fleisch. **E****ORTHOSTICHELLA** (Müll.Hal.) W.R.Buck**pandurifolia** (Müll.Hal.) W.R.Buck **E S***(Pilotrichella panduraefolia* (Müll.Hal.) A.Jaeger)*(Pilotrichella conferta* Renauld & Cardot)*(Pilotrichella cuspidata* Broth.)**PAPILLARIA** (Müll.Hal.) Lorentz**africana** (Müll.Hal.) A.Jaeger **E****PILOTRICHELLA** (Müll.Hal.) Besch.*panduraefolia* (Müll.Hal.) A.Jaeger = **Orthostichella****pandurifolia***conferta* Renauld & Cardot = **Orthostichella****pandurifolia***cuspidata* Broth. = **Orthostichella pandurifolia****SQUAMIDIUM** (Müll.Hal.) Broth.*biforme* (Hampe) Broth. = **S. brasiliense****brasiliense** (Hornsch.) Broth. **E***(S. biforme* (Hampe) Broth.)*(S. rehmannii* (Müll.Hal.) Broth.)*rehmannii* Müll.Hal. Broth. = **S. brasiliense**

MNIACEAE

PLAGIOMNIUM T.J.Kop.**rhynchophorum** (Hook.) T.J.Kop. **E**

NECKERACEAE

NECKERA Hedw.**pennata** Hedw. **E****POROTHAMNIUM** M.Fleisch.*comorensis* (Müll.Hal.) Sim = **Porotrichum****elongatum***hildebrandtii* (Müll.Hal.) M.Fleisch. = **P. stipitatum***pennaeforme* (Müll.Hal.) M.Fleisch. = **Porotrichum****madagassum***pennaefrondeum* (Müll.Hal.) Cardot = **Porotrichum****madagassum****stipitatum** (Mitt.) Touw ex De Sloover **E***(P. hildebrandtii* (Müll.Hal.) M.Fleisch.)**POROTRICHUM** (Brid.) Hampe**elongatum** (Welw. & Duby) A.Gepp **E***(Porothamnium comorensis* (Müll.Hal.) Sim)**madagassum** Kiaer ex Besch. **E***(Porothamnium pennaeforme* (Müll.Hal.) M.Fleisch.)*(Porothamnium pennaefrondeum* (Müll.Hal.) Cardot)*molliculum* Broth. = **P. usagarum****usagarum** Mitt. **E****(P. molliculum* Broth.)

ORTHOTRICHACEAE

MACROCOMA (Müll.Hal.) Grout**tenuis** (Hook. & Grev.) Vitt subsp. **tenuis W C E S***(Macromitrium confusum* Mitt.)*(Macromitrium tenue* (Hook. & Grev.) Brid.)**MACROMITRIUM** Brid.*confusum* Mitt. = **Macrocoma tenuis** subsp. **tenuis***levatum* Mitt. = **M. sulcatum***tenue* (Hook. & Grev.) Brid. = **Macrocoma tenuis****sulcatum** (Hook.) Brid. **E***(M. levatum* Mitt.)**SCHLOTHEIMIA** Brid.**ferruginea** (Bruch ex Hook. & Grev.) Brid. **E***(S. subventrosa* Broth. & Bryhn)**grevilleana** Mitt. **E***(S. schweinfurthii* Müll.Hal.)**illecebra** Schimp. ex Besch. **E****percuspidata** Müll.Hal. **E****rufoaeruginosa** Müll.Hal. **E****subventrosa* Broth. & Bryhn = **S. ferruginea***schweinfurthii* Müll.Hal. = **S. grevilleana****ZYGODON** Hook. & Taylor**trichomitrius** Hook. & Wilson **W C E***simii* Dixon = **Leptodontium viticulosoides** var.**viticulosoides**

PILOTTRICHACEAE

CALLICOSTELLA (Müll.Hal.) Mitt.**pusilla** Demaret & P.de la Varde **C****CYCLODICTYON** Mitt.**aubertii** (P.Beauv.) Kuntze **E***breutelianum* (Hampe) Kuntze = **C. vallis-gratiae****delicatum** P.de la Varde **E*****laete-virens** (Hook. & Taylor) Mitt. **E****vallis-gratiae** (Hampe ex Müll.Hal.) Kuntze **E***(C. breutelianum* (Hampe) Kuntze)**HOOKERIOPSIS** (Besch.) A.Jaeger**mittenii** P.de la Varde **E**

PLAGIOTHECIACEAE

PLAGIOTHECIUM Bruch, Schimp. & W.Gümbel**rhynchostegioides** Müll.Hal. **W C E**

POLYTRICHACEAE

ATRICHUM P.Beauv**androgynum** (Müll.Hal.) A.Jaeger **E***(A. borbonicum* Besch.)*borbonicum* Besch. = **A. androgynum****POGONATUM** P.Beauv.**belangeri** (Müll.Hal.) A.Jaeger **E***(P. theriotii* Demaret & V.Leroy)*borgenii* (Hampe) A.Jaeger = **P. capense****capense** (Hampe) A.Jaeger **W* C E***(P. borgenii* (Hampe) A.Jaeger)*(Polytrichum transvaaliense* Müll.Hal.)*theriotii* Demaret & V.Leroy = **P. belangeri****POLYTRICHUM** Hedw.*appressum* Brid. = **P. subpilosum****commune** Hedw. **N W* C E***(P. commune* Hedw. var. *trichodes* (Müll.Hal.) Dixon)*(P. madagassum* (Hampe) A.Jaeger)*commune* Hedw. var. *trichodes* (Müll.Hal.) Dixon = **P.****commune**

POLYTRICHUM Hedw. (cont.)*madagassum* (Hampe) A.Jaeger = **P. commune****piliferum** Hedw. **E***pungens* Müll.Hal. = **P. subpilosum****subpilosum** P.Beauv. **N W E S***(P. *appressum* Brid.)(P. *pungens* Müll.Hal.)*transvaaliense* Müll.Hal. = **Pogonatum capense****POTTIACEAE****ALOINA** Kindb.**brevirostris** (Hook. & Grev.) Kindb. **C****BARBULA** Hedw.**afrofontana** (Müll.Hal.) Broth. var. **acutiuscula** P.de la Varde **W***crinita* Schultz = **Pseudocrossidium crinitum****eubryum** Müll.Hal. **N W C E S**(Tortula *eubryum* (Müll.Hal.) Broth.)**indica** var. **indica** (Hook.) Spreng. **N W C E**(B. *natalensis* Müll.Hal.)(B. *rehmannii* Müll.Hal.)(B. *stuhlmannii* (Broth.) Brid.)(Hymenostomum *opacum* Wager & Dixon)(Tortula *rehmannii* (Müll.Hal.) Sim)*natalensis* Müll.Hal. = **B. indica***rehmannii* Müll.Hal. = **B. indica****salisburyensis** Dixon **N W C E***stuhlmannii* (Broth.) Brid. = **B. indica***torquatifolia* Geh. = **Pseudocrossidium porphyreoneurum****umtaliensis** Magill **E****zambesiaca** Magill **W****BRYOERYTHROPHYLLUM** P.C.Chen*afrobellum* (Broth. & Wager) De Sloover = **B.****campylocarpum****campylocarpum** (Müll.Hal.) H.A.Crum **N**(B. *afrobellum* (Broth. & Wager) De Sloover)(B. *jamesonii* (Taylor) H.A.Crum)*jamesonii* (Taylor) H.A.Crum = **B. campylocarpum****CHENIA** R.H.Zander**leptophylla** (Müll.Hal.) R.H.Zander **W C S**(Phascum *leptophyllum* Müll.Hal.)**DIDYMODON** Hedw.*afrum* Müll.Hal. = **D. ceratodonteus****ceratodonteus** (Müll.Hal.) Dixon **W**(D. *afrum* Müll.Hal.)(Gymnostomum *dimorphum* (Müll.Hal.) Sim)(Gymnostomum *gracile* (Wager & Dixon) Dixon)**tophaceopsis** R.H.Zander **W**(Husnotiella *latifolia* (Dixon) R.H.Zander & Magill)**GYMNOSTOMUM** Nees & Hornsch.*dimorphum* (Müll.Hal.) Sim = **Didymodon****ceratodonteus***gracile* (Wager & Dixon) Dixon = **Didymodon****ceratodonteus****HUSNOTIELLA** Cardot*latifolia* (Dixon) R.H.Zander & Magill = **Didymodon****tophaceopsis****HYMENOSTOMUM** R.Brown*eurybasis* Dixon = **Weissia latiuscula***latiusculum* (Müll.Hal.) Paris = **Weissia latiuscula***opacum* Wager & Dixon = **Barbula indica****HYMENOSTYLIUM** Brid.**crassinervium** Broth. & Dixon **W****HYOPHILA** Brid.*atrovirens* (Müll.Hal.) Broth. = **H. involuta****baginsensis** Müll.Hal. **N W C S***cyathiforme* (Dixon) Sim = **Hypodontium dregei****involuta** (Hook.) A.Jaeger **N W C E S**(H. *atrovirens* (Müll.Hal.) Broth.)**HYPODONTIUM** Müll.Hal.**dregei** (Hornsch.) Müll.Hal. **E**(Hyophila *cyathiforme* (Dixon) Sim)(Syrrhopodon *dregei* Hornsch.)(Syrrhopodon *perichaetialis* Bruch ex Krauss)**LEPTODONTIUM** (Müll.Hal.) Hampe ex Lindb.**longicaule** Mitt. var. **longicaule** **E***squarrosus* (Hook.) Paris = **L. viticulosoides****viticulosoides** var. **viticulosoides** (P.Beauv.) Wijk &Margad. **E**(L. *squarrosus* (Hook.) Paris)(Zygodon *simii* Dixon)**OXYSTEGUS** (Limpr.) Hilp.*rhodesiae* (Brid.) Hilp. = **Trichostomum rhodesiae****PHASCONICA** Müll.Hal.*tisserantii* P.de la Varde = **Trichostomum unguiculatum****PHASCUM** Hedw.*leptophyllum* Müll.Hal. = **Chenia leptophylla****PSEUDOCROSSIDIUM** R.S.Williams**crinitum** (Schultz) R.H.Zander **Distribution uncertain**(Barbula *crinita* Schultz)(Tortella *torquescens* (Schimp. ex Müll.Hal.) Broth.)(Tortula *pilifera* Hook.)**porphyreoneurum** (Müll.Hal.) R.H.Zander **N W C S**(Barbula *torquatifolia* Geh.)(Tortula *porphyreoneura* (Müll.Hal.) C.C.Towns.)**SYNTRICHIA** Brid.**amphidiacea** (Müll.Hal.) R.H.Zander **N C**(Tortula *tanganyikae* Dixon)**fragilis** (Taylor) Ochyra **N W C E S***(Tortula *fragilis* Taylor)**pagorum** (Milde) J.J.Amann **W**(Tortula *pagorum* (Milde) De Not.)**TIMMIELLA** (De Not.) Limpr.**pelindaba** Magill **W C E****TORTELLA** (Lindb.) Limpr.*caespitosa* (Schwägr.) Limpr. = **T. humilis****humilis** (Hedw.) Jenn.(T. *caespitosa* (Schwägr.) Limpr.)(T. *theriotii* Broth. & P.de la Varde)*theriotii* Broth. & P.de la Varde = **T. humilis***torquescens* (Schimp. ex Müll.Hal.) Broth. =**Pseudocrossidium crinitum****xanthocarpa** (Schimp. ex Müll.Hal.) Broth. **N W C E**(Trichostomum *rehmannii* Sim)(Trichostomum *rufisetum* Müll.Hal.)(Trichostomum *tortuloides* Sull. & Lesq.)**TORTULA** Hedw.*eubryum* (Müll.Hal.) Broth. = **Barbula eubryum***fragilis* Taylor = **Syntrichia fragilis**

pagorum (Milde) De Not. = **Syntrichia pagorum**
pilifera Hook. = **Pseudocrossidium crinitum**
porphyreoneura (Müll.Hal.) C.C.Towns. =
Pseudocrossidium porphyreoneurum
rehmannii (Müll.Hal.) Sim = **Barbula indica**
schmidii (Müll.Hal.) Broth. = **Syntrichia fragilis**
tanganyikae Dixon = **Syntrichia amphidiacea**

TRICHOSTOMUM Bruch

brachydontium var. **brachydontium** Bruch N W C E S
rehmannii Sim = **Tortella xanthocarpa**
rhodesiae Broth. **W***
(Oxystegis rhodesiae (Brid.) Hilp.)
rufisetum Müll.Hal. = **Tortella xanthocarpa**
tortuloides Sull. & Lesq. = **Tortella xanthocarpa**
unguiculatum (Mitt.) R.H.Zander **C***
(Phasconica tisserantii P.de la Varde)

WEISIOPSIS Broth.

plicata (Mitt.) Broth. **C**

WEISSIA Hedw.

controversa var. **controversa** Hedw. **W S**
(W. oranica Müll.Hal.)
(W. viridula Hedw. ex Brid.)
humicula Müll.Hal. **Distribution uncertain**
latiuscula Müll.Hal. **N W C E S**
(Hymenostomum eurybasis Dixon)
(Hymenostomum latiusculum (Müll.Hal.) Paris)

opaca (Dixon) Magill **W**
oranica Müll.Hal. = **W. controversa** var. **controversa**
viridula Hedw. ex Brid. = **W. controversa** var. **controversa**

PTERIGYNANDRACEAE

TRACHYPHYLLUM A.Gepp

dusenii (Broth.) Broth. **N**
gastrodes (Welw. & Duby) A.Gepp **N W C E S**
(T. maximum Dixon)
maximum Dixon = **T. gastrodes**

PTEROBRYACEAE

CALYPTOTHECIUM Mitt.

acutifolium (Brid.) Broth. = **Pterobryopsis acutifolium**
hoehnelii (Müll.Hal.) Argent = **Pterobryopsis hoehnelii**
subacutifolium Broth. = **Pterobryopsis acutifolium**

PTEROBRYOPSIS M.Fleisch.

acutifolium (Brid.) Magill **W* E**
(Calyptothecium acutifolium (Brid.) Broth.)
(Calyptothecium subacutifolium Broth.)
hoehnelii (Müll.Hal.) Magill **E**
(Calyptothecium hoehnelii (Müll.Hal.) Argent)

PTYCHOMITRIACEAE

PTYCHOMITRIUM Fűrnr.

crassinervium (Müll.Hal.) Schimp. ex Paris **S***
crispatum (Hedw.) A.Jaeger **W S**
cucullatifolium (Müll.Hal.) A.Jaeger **W***
(P. obtusatum (Müll.Hal.) Paris)
eurybasis Dixon = **P. microblastum**
marginatum (Wager ex Dixon) Dixon = **P. subcrispatum**

microblastum (Müll.Hal.) Paris **N W C S***

(P. eurybasis Dixon)

obtusatum (Müll.Hal.) Paris = **P. cucullatifolium**

subcrispatum Thér. & P.de la Varde **W C S**

(Ptychomitrium marginatum (Wager ex Dixon) Dixon)

RACOPILACEAE

RACOPILUM P.Beauv.

capense Müll.Hal. ex Broth. **N W C E S***

RHACHITHECIACEAE

RHACHITHECIUM Broth. ex Le Jolis

perpusillum (Thwaites & Mitt.) Broth. **S**

RHACOCARPACEAE

RHACOCARPUS Lindb.

breutelianus (Müll.Hal.) Broth. = **R. purpurascens**

ecklonianus (Müll.Hal.) Broth. = **R. purpurascens**

purpurascens (Brid.) Paris **C* E**

(R. breutelianus (Müll.Hal.) Broth.)

(R. ecklonianus (Müll.Hal.) Broth.)

RHIZOGONIACEAE

PYRRHOBRYUM Mitt.

spiniforme (Hedw.) Mitt. **E**

(Rhizogonium spiniforme (Hedw.) Bruch in C.Krauss)

RHIZOGONIUM Brid.

spiniforme (Hedw.) Bruch in C.Krauss = **Pyrrhobryum spiniforme**

RIGODIACEAE

RIGIDIUM Kunze ex Schwägr.

kilimandscharicum (Broth.) Paris = **R. toxarion**

niveum Thér. = **R. toxarion**

toxarion (Schwägr.) A.Jaeger **E***

(R. kilimandscharicum (Broth.) Paris)

(R. niveum Thér.)

SEMATOPHYLLACEAE

HETEROPHYLLIUM (Schimp.) Kindb.

flexile (Renauld & Cardot) Thér. & P.de la Varde =

Rhacopilopsis variegatum

transvaaliense (Thér. & Dixon) Thér. & P.de la Varde =

Rhacopilopsis trinitensis

RHAPHIDORRHYNCHIUM Besch. ex M.Fleisch.

dregei (Müll.Hal.) Broth. = **Sematophyllum dregei**

gueinzii (Hampe) Broth. = **Sematophyllum gueinzii**

SEMATOPHYLLUM Mitt.

brachycarpum (Hampe) Broth. **C E S***

caespitosum (Hedw.) Mitt. = **S. subpinnatum**

dregei (Müll.Hal.) Bartr. **W C E**

(Rhaphidorrhynchium dregei (Müll.Hal.) Broth.)

gueinzii (Hampe) Magill **C E**

(Rhaphidorrhynchium gueinzii (Hampe) Broth.)

sphaeropyxis (Müll.Hal.) Broth. **N C E S**

SEMATOPHYLLUM Mitt.(cont.)**subpinnatum** (Brid.) E.Britton **N C E***(S. caespitosum* (Hedw.) Mitt.)**wageri** C.H.Wright ex Wager **C E****TRICHOSTELEUM** Mitt.**perchlorosum** Broth. & Bryhn **C E****WIJKIA** H.A.Crum**trichocolea** (Müll.Hal.) H.A.Crum **C E**

SPHAGNACEAE

SPHAGNUM L.**africanum** Welw. & Duby **E****capense** Hornsch. **E****planifolium** Müll.Hal. var. **angustilimbatum** (Warnst.)
A.Eddy **E****planifolium** Müll.Hal. var. **planifolium** Müll.Hal. **E****pyncocladulum** Müll.Hal. **E****truncatum** Hornsch. **E**

SPLACHNACEAE

TAYLORIA Hook.**isleana** (Besch.) Broth. **E*****orthodonta** (P.Beauv.) Wijk & Margad. **E**

STEREOPHYLLACEAE

STEREOPHYLLUM Mitt.*natalense* Sim = **S. radiculosum***odontocalyx* (Müll.Hal.) A.Jaeger & Sauerb. = **S.****radiculosum****radiculosum** (Hook.) Mitt. **N W C E S***(S. natalense* Sim)*(S. odontocalyx* (Müll.Hal.) A.Jaeger & Sauerb.)

THUIDIACEAE

HAPLOCLADIUM (Müll.Hal.) Müll.Hal.**angustifolium** (Hampe & Müll.Hal.) Broth. **C E****PELEKIU** Mitt.**ramusculosum** (Mitt.) Touw **N W E***(Thuidium ramusculosum* (Mitt.) A.Jaeger)**versicolor** (Hornsch. ex Müll.Hal.) Touw **N W E***(Thuidium borbonicum* Besch.)*(Thuidium torrentium* Müll.Hal.)*(Thuidium versicolor* (Hornsch. ex Müll.Hal.) A.Jaeger)**RAUIELLA** Reimers**praelonga** (Schimp. ex Besch.) Wijk & Margad. **W* S****(R. subfilamentosa* (Kiaer ex Besch.) Wijk & Margad.)*subfilamentosa* (Kiaer ex Besch.) Wijk & Margad. = **R.****praelonga****THUIDIUM** Bruch, Schimp. & W.Gümbel*borbonicum* Besch. = **Pelekium versicolor****chenagonii** Müll.Hal. ex Renauld & Cardot **E****(T. pycnangiellum* Müll.Hal. ex Broth.)**matarumense** Besch. **W E***(T. promontorii* (Müll.Hal.) Paris)*promontorii* (Müll.Hal.) Paris = **T. matarumense***pycnangiellum* Müll.Hal. ex Broth. = **T. chenagonii***ramusculosum* (Mitt.) A.Jaeger = **Pelekium ramusculosum***torrentium* Müll.Hal. = **Pelekium versicolor***versicolor* (Hornsch. ex Müll.Hal.) A.Jaeger =**Pelekium versicolor**

TRACHYPODACEAE

TRACHYPODOPSIS M.Fleisch.**serrulata** (P.Beauv.) M.Fleisch. **E**

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This publication is a product of the Southern African Botanical Diversity Network (SABONET), a programme aimed at strengthening the level of botanical expertise, expanding and improving herbarium and botanic garden collections, and fostering closer collaborative links among botanists in the southern African subcontinent.

The main objective of SABONET is to develop a strong core of professional botanists, taxonomists, horticulturists, and plant diversity specialists within the ten countries of southern Africa (Angola, Botswana, Lesotho, Malawi, Mozambique, Namibia, South Africa, Swaziland, Zambia and Zimbabwe). This core group will be competent to inventory, monitor, evaluate, and conserve the botanical diversity of the region in the face of specific development challenges, and to respond to the technical and scientific needs of the Convention on Biological Diversity.

To enhance the human resource capacity and infrastructure available in the region, SABONET offers training courses, workshops, and collaborative expeditions in under-collected areas. The programme produces a newsletter, *SABONET News*, and a series of occasional publications, the *Southern African Botanical Diversity Network Report Series*, of which this publication is part.

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