

APPENDIX I

A REVISED CHECKLIST OF THE MOSSES OF SOUTHERN AFRICA

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A. Introduction

This new checklist of the mosses of southern Africa lists all the mosses included in this study and not necessarily the most up to date and complete list of mosses recorded and accepted for the region. Some published taxonomic name changes and new records had to be omitted as the geographic distributions of the taxa concerned, needed for the numerical analyses, are inadequately known, frequently because the specimens in PRE, the largest collection of southern African bryophytes, were not studied by the authors. Examples are taxa in *Campylopus* (Frahm 1985, 1988, 1998), *Hypnum cupressiforme* group (Ando 1993, 1993a), *Tortula* (Kramer 1988), and the family Polytrichaceae (De Sloover 1986, Hyvonen 1989).

Some publications containing name changes or new records were received too late for inclusion or appeared after the compilation of this checklist, for example the descriptions of new species of *Grimmia* (Greven 1996) and *Astomiopsis* (Snider *et al.* 1999), the revision of Anomodontaceae by Granzow-de la Cerda (1997), new synonymy in the genus *Fissidens* (Bruggeman-Nannenga 1997), and new African and southern African records reported by O'Shea *et al.* (1997), Arts (1995, 1998), Sollman (1998), Hodgetts *et al.* (1999) and Ochyra (personal communication).

The taxonomic positions of some taxa are uncertain or have recently changed. For example *Hygroamblystegium caudicaule*, here treated as a synonym of *Pseudoleskea chilensis*, but probably a distinct species under *Drepanophyllaria* (as *Drepanophyllaria caudicaulis* C.Müll., R. Ochyra, personal communication). *Pseudoleskea chilensis* has since been moved to *Orthotheciella varia* (Hedw.) Ochyra (Ochyra 1998) and *Conostomum pentastichum* is no longer considered conspecific with *C. tetragonum* (Virtanen, 1999; Ochyra, personal communication). *Campyliadelphus polygamus* should rather be treated as *Campylium polygamum* (Schimp.) C.E.O. Jensen (Isoviita & Hedenäs 1997). The monotypic, endemic *Wardia hygrometrica* should probably be moved to the family Seligeriaceae (Hedderson *et al.* 1999).

The checklist consists of three parts: 1) an alphabetical list of genera and species with names accepted for this study in **bold**, including references to literature followed and recent synonymy, 2) a systematic arrangement of southern African moss families and genera, and 3) a list of literature references cited in this appendix. For a comprehensive list of recent taxonomic literature on the mosses of southern Africa see Van Rooy (1997).

B. Alphabetical List of Genera and Species

ABIETINELLA C.Müll.

1. Magill & Schelpe. 1979.

A. abietina (Hedw.) M.Fleisch.

ACAULON C.Müll.

1. Magill. 1981.

2. Zander, 1993.

A. leucochaete I.G.Stone

A. recurvatum Magill

A. rufochaete Magill = *Microbryum rufochaete*

AEROBRYOPSIS Fleischm.

1. Magill & Van Rooy 1998.

A. capensis (C.Müll.) M.Fleisch.

ALOINA (C.Müll.) Kindb.

1. Magill. 1981.

A. bifrons (De Not.) Delgad.

AMPHIDIUM Schimp.

1. Van Rooy. 1992.

A. lapponicum (Hedw.) Schimp.

A. tortuosum (Hornsch.) Cufod.

ANACOLIA Schimp.

1. Magill. 1987.

A. breutellii (C.Müll.) Magill

ANDREAEA Hedw.

1. Magill. 1981.

A. bistratosa Magill

A. nitida Hook.f. & Wilson
A. rupestris Hedw.
A. subulata Harv. ex Hook.

ANOECTANGIUM Schwägr.
 1. Magill. 1981.

A. wilmsianum (C.Müll.) Paris
ANOMOBRYUM Schimp.

1. Van Rooy & Magill. 1987.
A. drakensbergense Van Rooy
A. filiforme (Dicks.) Solms

AONGSTROEMIA Bruch, Schimp. & W.Gümbel
 1. Magill. 1981.

A. filiformis (P.Beauv.) Wijk & Margad.
A. julacea (Hook.) Mitt.

AONGSTROEMIOPSIS Fleischm.
 1. Magill. 1987a.

A. julacea (Dozy & Molk.) M.Fleisch.

ARCHIDIUM Brid.
 1. Van Rooy. 1981.

A. acanthophyllum Snider
A. amplexicaule C.Müll.
A. andersonianum Snider
A. capense Hornsch.
A. dinteri (Irmsch.) Snider
A. julicaule C.Müll.
A. microthecium Dixon & P.de la Varde
A. muelleranum Snider
A. ohioense Schimp. ex C.Müll.
A. rehmannii Mitt.
A. subulatum C.Müll.

ASTOMIOPSIS C.Müll.
 1. Magill. 1987a.

A. amblyocalyx C.Müll.

ATRICHUM P.Beauv.
 1. Magill & Schelpe. 1979.

A. androgynum (C.Müll.) A.Jaeger

AULACOPILUM Wilson
 1. Magill & Schelpe 1979.

2. Magill & Van Rooy 1998.

A. trichophyllum Ångstr.

BARBULA Hedw.

1. Magill. 1981.

2. Zander. 1993..

3. Sollman. 1993.

4. Frahm, Lindlar, Sollman & Fischer 1996.

B. acutata C.Müll. = *Pseudocrossidium replicatum*

B. afrofontana (C.Müll.) Broth. = *B. bolleana* 3,4

B. bolleana (C.Müll.) Broth.

B. calycina Schwägr.

B. crinita Schultz = *Pseudocrossidium crinitum*

B. ehrenbergii (Lor.) Fleischer = *B. bolleana* 4

B. eubryum C.Müll.

B. hornschuchiana Schultz = *Pseudocrossidium hornschuchianum*

B. indica (Hook.) Spreng.

B. microcalycina Magill

B. rehmannii C.Müll.

BARTRAMIA Hedw.

1. Magill. 1987.

B. aristaria C.Müll.

B. capensis (R.Br.) Wijk & Margad.

B. compacta Hornsch. var. *compacta*

B. compacta Hornsch. var. *macowaniana* (C.Müll.) Magill

B. hampeana C.Müll.

BARTRAMIDULA Bruch, Schimp. & W.Gümbel

B. comosa Broth. = *Philonotis comosa*

B. globosa (C.Müll.) Broth. = *Philonotis globosa*

BLINDIA Bruch, Schimp. & W.Gümbel
 1. Magill. 1981.

B. magellanica Schimp. ex C.Müll.

BRACHYMENIUM Schwägr.

1. Van Rooy & Magill. 1987. FSA
Bryoph. 1,2.

2. Ochi 1985.

B. acuminatum Harv. in Hook.

B. angolense (Welw. & Duby) A.Jaeger =
B. systylium 2

B. dicranoides (Hornsch.) A.Jaeger

B. leptophyllum (C.Müll.) A.Jaeger

B. nepalense Hook. in Schwägr.

B. pulchrum Hook.

B. systylium (C.Müll.) A.Jaeger

BRACHYTHECIUM Bruch, Schimp. &
W.Gümbel

1. Magill & Schelpe. 1979.

B. implicatum (Hornsch.) A.Jaeger

B. pinnatum Dixon

B. plumosum (Hedw.) Bruch, Schimp. &
W.Gümbel

B. populeum (Hedw.) Bruch, Schimp. &
W.Gümbel

B. pseudopopuleum (C.Müll.) Schimp.

B. pseudovelutinum (C.Müll.) A.Jaeger

B. salebrosum (F.Weber & Mohr) Bruch,
Schimp. & W.Gümbel

B. subrutabulum (C.Müll.) A.Jaeger

BRAUNIA Bruch, Schimp. & W.Gümbel

1. Magill & Schelpe. 1979.

2. Magill & Van Rooy 1998.

B. secunda (Hook.) Bruch, Schimp. &
W.Gümbel

BREUTELIA (Bruch, Schimp. &
W.Gümbel) Schimp.

1. Magill. 1987.

2. Griffin. 1992.

B. afrosoparia (C.Müll.) Paris = **B. substricta**

B. angustifolia Rehmman ex Sim = **B.**
microdonta

B. diffracta Mitt.

B. elliptica Magill

B. microdonta (Mitt.) Broth.

B. substricta (C.Müll.) Magill

B. tabularis Dixon ex Sim

BRUCHIA Schwägr.

1. Magill. 1981

2. Rushing. 1986.

B. brevipes Harv. ex Hook.

B. eckloniana C.Müll.

B. foveolata Magill = **B. queenslandica**

B. queenslandica I.G.Stone

BRYOBARTRAMIA Sainsbury

1. Magill. 1981.

B. novae-valesiae (Broth.) I.G.Stone &
G.A.M.Scott

BRYOERYTHROPHYLLUM Ekimov

1. Magill, 1981.

2. Zander. 1986, 1993.

B. campylocarpum (C.Müll.) H.A.Crum

B. jamesonii (Taylor) H.A.Crum - excluded

B. recurvirostrum (Hedw.) P.C.Chen

BRYUM Hedw.

1. Ochi. 1980.

2. Van Rooy & Magill. 1987.

3. Ochyra. 1989.

B. alpinum Huds. ex With.

B. andicola Hook.

B. apiculatum Schwägr.

B. argenteum Hedw.

B. aubertii (Schwägr.) Brid.

B. bicolor Dicks. = **B. dichotonum**

B. caespiticium Hedw.

B. canariense Brid.

B. capillare Hedw.

B. cellulare Hook.

B. dichotomum Hedw.

B. donianum Grev.

B. erythrocaulon (Schwägr.) Brid.

B. micro-erythrocarpum C.Müll. & Kindb. =

B. subapiculatum

B. nitens Hook. = **B. apiculatum**

B. perlimbatum Card. - excluded

B. pseudotriquetrum (Hedw.) Gaertn.,

B. Mey & Scherb.

B. pycnophyllum (Dixon) Mohamed

B. radiculosum Brid.

B subapiculatum Hampe**B. torquescens** Bruch ex De Not.**B. turbinatum** (Hedw.) Turner**B. viridescens** Welw. & Duby**CALLICOSTELLA** (C.Müll.) Mitt.

1. Magill & Schelpe. 1979.

2. Magill & Van Rooy 1998..

C. applanata Broth. & Bryhn = **C. tristis****C. tristis** (C.Müll.) Broth.**CALYMPERES** Sw. in F.Weber

1. Magill. 1981.

2. Reese & Mohamed 1985

3. Ellis 1988.

C. levyanum Besch.**C. pallidum** Mitt.**C. rabenhorstii** Hampe & C.Müll. = **C. pallidum****C. tenerum** C.Müll.**C. tenerum** C.Müll. var. **edamense** M.Fleisch.
= **C. tenerum****CALYPTOTHECIUM** Mitt.

1. Magill & Schelpe. 1979

2. Magill & Van Rooy 1998

C. acutifolium (Brid.) Broth. = **Pterobryopsis acutifolium** 2.**C. hoehnelii** (C.Müll.) Argent = **Pterobryopsis hoehnelii** 2.**CALYPTROCHAETA** Desv.

1. Magill & Van Rooy 1998.

C. asplenioides (Brid.) Crosby**CAMPYLIADDELPHUS** (Kindb.)

R.S.Chopra

1. Ochyra & Pócs. 1992.

C. polygamus (Bruch, Schimp.& W.Gümbel)
Kanda**CAMPYLOPUS** Brid.

1. Magill. 1981.

2. Corley & Frahm. 1982.

3. Frahm. 1984..

4. Vital, 1984.

5. Frahm. 1985

C. ampliretis (C.Müll.) Paris = **C. flaccidus****C. atroluteus** (C.Müll.) Paris**C. aureonitens** (C.Müll.) A.Jaeger**C. bequaertii** Thér. & Naveau = **C. savannarum****C. bicolor** (C.Müll.) Wilson**C. cambouei** Renauld & Cardot**C. catarractilis** (C.Müll.) Paris**C. delagoae** (C.Müll.) Paris = **C. savannarum****C. flaccidus** Renauld & Cardot**C. fragilis** (Brid.) Bruch, Schimp. &
W.Gümbel**C. hensii** Renauld & Cardot**C. hildebrandtii** (C.Müll.) A.Jaeger**C. inchangae** (C.Müll.) Paris = **C. robillardei****C. introflexus** (Hedw.) Brid.**C. jamesonii** (Hook.) A.Jaeger**C. julaceus** A.Jaeger subsp. **arbogastii**
(Renauld & Cardot) A.Jaeger**C. lonchocladus** C.Müll. in Geh.**C. nanophyllus** C.Müll. ex Broth.**C. pallidus** Hook.f. & Wilson = **C. pyriformis****C. perpusillus** Mitt.**C. pilifer** Brid.**C. procerus** (C.Müll.) Paris = **C. jamesonii****C. pyriformis** (Schultz) Brid.**C. robillardei** Besch.**C. savannarum** (C.Müll.) Mitt.**C. simii** Schelpe = **C. julaceus** subsp.
arbogastii**C. stenopelma** (C.Müll.) Paris**C. subchlorophyllosus** C.Müll. ex Rabenh. =**Sphaerothecium subchlorophyllosum****C. symonsii** Sim**CARDOTIELLA** Vitt

1. Van Rooy & Van Wyk. 1992.

2. Magill & Van Rooy 1998.

C. secunda (C.Müll.) Vitt**CATAGONIUM** C.Müll. ex Broth.

1. Lin. 1984.

C. mucronatum (A.Jaeger) Broth. = **C. nitens**
subsp. **maritimum**

C. nitens (Brid.) Cardot subsp. **maritimum**
(Hook.) S.H.Lin

CERATODON Brid.

1. Magill. 1981.
2. Burley & Pritchard. 1990.

C. purpureus (Hedw.) Brid. subsp.
stenocarpus (Bruch, Schimp. & W.Gümbel)
C. stenocarpus Bruch & Schimp. ex C.Müll. =
C. purpureus subsp. *stenocarpus*

CHAMAEBRYUM Thér. & Dixon

1. Magill. 1987.

C. pottioides Thér. & Dixon

CHEILOTHELA Lindb.

1. Magill 1987a.

C. chilensis (Mont.) Broth.

CHENIA R.H.Zander

1. Zander. 1989, 1993.

C. leptophylla (C.Müll.) R.H.Zander

CHORISODONTIUM (Mitt.) Broth.

1. Magill, R.E. 1981.
2. Frahm, J.-P. 1989. *Tropical Bryology*
1: 11-24.
3. Ochyra, R. & Bednarek-Ochyra, H.
1997.

C. falcatum Magill = *Platyneurum praealtum*
2, 3

CHRYSOHYPNUM Hampe

1. Ochyra & Sharp. 1988.

C. cavifolium (Dixon) Ochyra & Sharp

CLADOPHASCUM Dixon

1. Magill. 1981.

C. gymnomitrioides (Dixon) Dixon ex Sim

CONOSTOMUM Sw. in F.Weber & Mohr

1. Magill. 1987.
 2. Frahm, J.-P., Borner, H., Streiber, N.,
Wallau, B. & Weitkus, S. 1996.
- C. pentastichum* (Brid.) Lindb. = *C.*
tetragonum 2

C. tetragonum (Hedw.) Lindb.

CRATONEURON (Sull.) Spruce

1. Magill & Schelpe. 1979.

C. filicinum (Hedw.) Spruce

CROSSIDIUM Jur.

1. Magill. 1981.
2. Cano, Guerra & Ros. 1993.

C. apiculatum Magill = *Microcrossidium*
apiculatum

C. spiralifolium Magill

CRYPHAEA Mohr in F.Weber

1. Magill & Van Rooy 1998.

C. exigua (C.Müll.) A.Jaeger

CYCLODICTYON Mitt.

1. Magill & Van Rooy 1998..

C. borbonicum (Besch.) Broth. - excluded

C. vallis-gratiae (Hampe) Kuntze

CYGNICOLLUM Fife & Magill

1. Magill. 1987.

C. immersum Fife & Magill

CYRTO-HYPNUM (Hampe) Hampe &
Lor.in Hampe

1. Buck & Crum 1990.

C. ramusculosum (Mitt.) Buck & Crum

C. varians (Welw. & DUBY) Buck & Crum

C. versicolor (C.Müll.) Buck & Crum

DESMATODON Brid.

1. Zander. 1993.

D. bogosicus C.Müll. = *Tortula bogosica*

D. convolutus (Brid.) Grout = *Tortula*
atrovirens

D. longipedunculata (C.Müll.) Magill =
Henediella longipedunculata

DICRANELLA (C.Müll.) Schimp.

1. Magill. 1981.
2. Ochyra & Newton, 1986.

D. cardotii (R.Br.) Dixon

D. rigida Dixon ex Sim

D. subsubulata (C.Müll.) A.Jaeger

D. symonsii Dixon = **D. cardotii**

DICRANOLOMA (Renauld) Renauld

1. Magill. 1981.

D. billardieri (Brid.) Paris

D. entabeniense Magill

DIDYMODON Hedw.

1. Zander. 1978.

2. Magill. 1981.

3. Guerra & Ros. 1987.

4. Zander. 1993.

D. australasii (Hook. & Grev.) R.H.Zander

D. ceratodonteus (C.Müll.) Dixon

D. jackvancei R.H.Zander

D. tophaceopsis R.H.Zander

D. trivialis (C.Müll.) Guerra

D. xanthocarpus (C.Müll.) Magill

DIMERODONTIUM Mitt.

1. Magill & Schelpe. 1979.

D. africanum C.Müll.

DISTICHIUM Bruch, Schimp. & W.Gümbel

1. Magill. 1981.

D. capillaceum (Hedw.) Bruch, Schimp. &

W.Gümbel

DISTICHOPHYLLUM Dozy & Molk.

1. Magill & Van Rooy 1998.

D. mniifolium (Hornsch.) Sim var.

mniifolium

D. mniifolium (Hornsch.) Sim var. **taylorii**

Magill

D. taylorii Sim = **D. mniifolium** var. **taylorii**

DITRICHUM Hampe

1. Magill. 1981.

D. brachypodum (C.Müll.) Broth.

D. difficile (Duby) M.Fleisch.

D. punctulatum Mitt.

D. strictum (Hook.f. & Wilson) Hampe

DREPANOCLADUS (C.Müll.) G.Roth

1. O'Shea 1995.

2. PRE herbarium use following R.

Ochyra (pers. comm.)

D. aduncus (Hedw.) Warnst.

D. hallii Broth. & Dixon = **D. sendtneri** 1, 2

D. sendtneri (Schimp.) Warnst. 2

D. sparsus C.Müll. = **Leptodictyum riparium**

1, 2

D. uncinatus (Hedw.) Warnst. = **Sanionia**

uncinata

ECCREMIDIUM Hook.f. & Wilson

1. Magill. 1981.

E. exiguum (Hook.f. & Wilson) Wilson ex

E.S.Salmon

ECTROPOTHECIUM Mitt.

1. Magill & Schelpe. 1979.

E. brachycarpum (Dixon) Magill

E. perrotii Renauld & Cardot

E. regulare (Brid.) A.Jaeger

ENCALYPTA Hedw.

1. Magill. 1981.

E. ciliata Hedw.

E. vulgaris Hedw.

ENTODON C.Müll.

1. Magill & Schelpe.

2. Townsend. 1991.

E. cymbifolius Wager & Dixon

E. dregeanus (Hornsch.) C.Müll. = **E.**

macropodus

E. geminidens (Besch.) Paris

E. macropodus (Hedw.) C.Müll.

E. natalensis Rehmann ex C.Müll.

EPHEMERUM Hampe

1. Magill. 1987.

E. capense C.Müll.

E. diversifolium Mitt. in Harv.

E. namaquense Magill

E. rehmannii (C.Müll.) Broth.

ERPODIUM (Brid.) C.Müll.

1. Magill & Van Rooy 1998.

E. beccarii C.Müll.

- E. coronatum** (Hook & Wilson) Mitt. subsp.
transvaaliense (Broth & Wager) Magill
E. distichum Wager & Dixon
E. grossirete C.Müll.
E. transvaaliense Broth. & Wager ex Dixon =
E. coronatum subsp. **transvaaliense**

ERYTHRODONTIUM Hampe

1. Magill & Schelpe. 1979.
E. julaceum (Schwägr.) Paris - species
 insufficiently known
E. subjulaceum (C.Müll.) Paris

EUSTICHIA (Brid.) Brid.

1. Magill. 1987.
E. longirostris (Brid.) Brid.

FABRONIA Raddi

1. Magill & Schelpe. 1979.
F. abyssinica C.Müll.
F. breutelii Hampe in C.Müll.
F. eckloniana Hampe in C.Müll.
F. gueinzii Hampe
F. leikipiae C.Müll.
F. perciliata C.Müll.
F. pilifera Hornsch.
F. rehmannii C.Müll.
F. victoriae Dixon
F. wageri Dixon

FISSIDENS Hedw.

1. Pursell & Reese. 1980.
 2. Magill. 1981.
 3. Pursell. 1987.
 4. Bruggeman-Nannenga. 1993.
F. aciphyllus Dixon
F. asplenioides Hedw.
F. borgenii Hampe
F. bryoides Hedw.
F. capriiviensis Magill
F. curvatus Hornsch.
F. enervis Sim
F. erosulus (C.Müll.) Paris
F. fasciculatus Hornsch.
F. fontanus (B. Pyl.) Steud. - excluded
F. gladiolus Mitt.

- F. glaucescens** Hornsch.
F. hoeegii P.de la Varde
F. marginatus Schimp. ex C.Müll.
F. microandrogynus Dixon
F. nitens Rehmann ex E.S.Salmon = **F. porrectus**
F. palmifolius (P.Beauv.) Broth.
F. parvilimbatus Sim
F. plumosus Hornsch.
F. porrectus Mitt.
F. pseudoserratus (C.Müll.) A.Jaeger
F. pygmaeus Hornsch.
F. rufescens Hornsch.
F. scleromitrius (Besch.) Broth.
F. simii Schelpe
F. splachnifolius Hornsch.
F. stellenboschianus Dixon ex Sim
F. submarginatus Bruch ex C.Krauss
F. subobtusatus C.Müll.
F. usambaricus Broth.
F. wageri Dixon ex Wager

FLORIBUNDARIA Fleischm.

1. Magill & Van Rooy 1998.
F. floribunda (Dozy & Molk.) M.Fleisch.

FONTINALIS Hedw.

1. Magill & Van Rooy 1998.
F. antipyretica Hedw. var. **gracilis** (Lindb.)
 Schimp.
F. squamosa Hedw.

FORSSTROEMIA Lindb.

1. Magill & Van Rooy 1998.
F. producta (Hornsch.) Paris

FUNARIA Hedw.

1. Magill. 1987.
F. bergiana (Hornsch.) Broth.
F. clavata (Mitt.) Magill
F. hygrometrica Hedw.
F. limbata (C.Müll.) Broth.
F. longicollis Dixon
F. rhomboidea Shaw
F. rottleri (Schwägr.) Broth.
F. spathulata Schimp. ex C.Müll.

F. succuleata (Wager & C.H.Wright) Magill

F. urceolata (Mitt.) Magill

GIGASPERMUM Lindb.

1. Magill. 1987.

G. repens (Hook.) Lindb.

GONIOMITRIUM Hook. & Wilson

1. Magill. 1987.

G. africanum (C.Müll.) Broth.

GRIMMIA Hedw.

1. Magill. 1981.

G. apocarpa Hedw. = *Schistidium apocarpum*

G. laevigata (Brid.) Brid.

G. ovalis (Hedw.) Lindb.

G. pulvinata (Hedw.) Sm.

GYMNOSTOMUM Nees & Hornsch.

1. Magill. 1981.

G. aeruginosum Sm.

G. bewsii Dixon

G. lingulatum Rehmann ex Sim

HAPLOCLADIUM (C.Müll.) C.Müll.

1. Magill & Schelpe. 1979.

H. angustifolium (Hampe & C.Müll.) Broth.

HAPLOHYMENIUM Dozy & Molk.

1. Magill & Schelpe. 1979.

H. pseudo-triste (C.Müll.) Broth.

HEDWIGIA P.Beauv.

1. Magill & Van Rooy 1998.

H. ciliata (Hedw.) P.Beauv.

HEDWIGIDIUM Bruch, Schimp. &

W.Gümbel

1. Magill & Van Rooy 1998.

H. integrifolium (P.Beauv.) Dixon

HELICODONTIUM Schwägr.

1. Magill & Schelpe. 1979.

H. lanceolatum (Hampe & C.Müll.) A.Jaeger

HENNEDIELLA Paris

1. Magill, 1981.

1. Zander. 1993.

H. longipedunculata (C.Müll.) R.H.Zander

HERPETINEURON (C.Müll.) Cardot

1. Magill & Schelpe. 1979.

H. toccoae (Sull. & Lesq.) Cardot

HETEROPHYLLIUM (Schimp.) Kindb. in

M.Fleisch.

1. Buck 1993.

H. flexile (Renauld & Cardot) Thér. & P.de la Varde = *Rhacopilopsis flexilis*

H. transvaalense (Thér. & Dixon) Thér. &

P.de la Varde = *Rhacopilopsis transvaaliensis*

HOLOMITRIUM Brid.

1. Magill. 1981.

H. cylindraceum P.Beauv. var. **cucullatum**

(Besch.) Wijk & Margad.

HOMALOTHECIUM Bruch, Schimp. &

W.Gümbel

1. Ochyra & Pócs. 1982.

2. Hofmann 1997.

H. afrostriatum (C.Müll.) Ochyra =

Palamocladium leskeoides 1.

HOOKERIOPSIS (Besch.) A.Jaeger

1. Magill & Van Rooy 1998.

H. pappeana (Hampe) A.Jaeger

HUSNOTIELLA Cardot

H. latifolia (Dixon) R.H.Zander & Magill =

Didymodon tophaceopsis

H. plicata Magill = *Didymodon jackvancei*

HYGROAMBLYSTEGIUM Loeske

1. Magill & Schelpe. 1979.

2. PRE herbarium use following R.

Ochyra (pers. comm.)

H. caudicaulis (C.Müll.) Broth. =

Pseudoleskea chilensis 2.

HYMENOSTYLIUM Brid.

1. Magill. 1981.

H. recurvirostrum (Hedw.) Dixon**HYOPHILA** Brid.

1. Magill. 1981.

H. baginsensis C.Müll.**H. involuta** (Hook.) A.Jaeger**HYPNUM** Hedw.

1. Magill & Schelpe. 1979.

2. Ando 1995

H. aduncooides sensu Sim = **H. macrogynum** 2**H. cupressiforme** Hedw.**H. macrogynum** Besch.**HYPODONTIUM** C.Müll.

1. Magill. 1981.

H. dregei (Hornsch.) C.Müll.**H. pomiforme** (Hook.) C.Müll.**HYPOPTERYGIUM** Brid.

1. Magill & Van Rooy. 1998

H. laricinum (Hook.) Brid.**H. polythrix** Dixon = **Lopidium pennaeforme****ISCHYRODON** C.Müll.

1. Magill & Schelpe. 1979.

I. lepturus (Taylor) Schelpe**ISOPTERYGIUM** Mitt.

1. Magill & Schelpe. 1979.

I. aquaticum Dixon - excluded**I. leucophanes** (C.Müll.) A.Jaeger**I. leucopsis** (C.Müll.) Paris**I. punctulatum** Broth. & Wager**I. strangulatum** (C.Müll.) Broth.**I. taxithellioides** Broth. & Bryhn**I. taylorii** Sim**JAEGERINA** C.Müll.

1. Magill & Van Rooy 1998.

J. stolonifera (C.Müll.) C.Müll.**LEPIDOPILIDIUM** (C.Müll.) Broth.

1. Magill & Van Rooy 1998.

L. hanningtonii (Mitt.) Broth.**LEPTOBRYUM** (Bruch, Schimp. & W.Gümbel) Wilson

1. Van Rooy & Magill. 1987

L. pyriforme (Hedw.) Wilson**LEPTODICTYUM** (Schimp.) Warnst.

1. Magill & Schelpe. 1979.

L. riparium (Hedw.) Warnst.**LEPTODON** Mohr

1. Magill & Van Rooy 1998.

L. smithii (Hedw.) F.Weber & Mohr**LEPTODONTIUM** (C.Müll.) Hampe ex Lindb.

1. Magill. 1981.

L. brachyphyllum Broth. & Thér.**L. longicaule** Mitt.**L. viticulosoides** (P.Beauv.) Wijk & Margad.**LEPTOHYMENIUM** Schwägr.

1. Magill & Schelpe. 1979.

L. breutelii (C.Müll.) Schimp. - species insufficiently known**L. dentatum** Schwägr. - species insufficiently known**LEPTOISCHYRODON** Dixon

1. Magill & Schelpe. 1979.

L. congoanus Dixon**LEPTOSTOMUM** R.Br.

1. Crum. 1992.

L. gerrardii Shaw - species insufficiently known**LEPTOTERIGYNANDRUM** C.Müll.

1. Magill. 1987a.

L. austroalpinum C.Müll.**LEPTOTHECA** Schwägr.

1. Magill. 1987.

L. gaudichaudii Schwägr.

LEPTOTRICHELLA (Müll. Ha.) Lindb.

1. Ochyra 1998.

L. minuta (Hampe) Ochyra**LESKEELLA** (Limpr.) Loeske

1. Magill & Schelpe. 1979.

L. zuluensis Broth. & Bryhn**LEUCOBRYUM** Hampe

1. Magill. 1981.

L. acutifolium (Mitt.) Cardot**L. madagassum** Besch.**L. rehmannii** C.Müll.**LEUCODON** Schwägr.

1. Magill & Van Rooy 1998.

L. assimilis (C.Müll.) A.Jaeger**L. capensis** Schimp. in Renauld = *L. assimilis***L. maritimus** (Hook.) Wijk. & Margad. =*Catagonium nitens* subsp. *maritimum***LEUCOLOMA** Brid.

1. Magill. 1981.

L. chrysobasilare (C.Müll.) A.Jaeger**L. rehmannii** (C.Müll.) Rehmann ex Paris**L. sprengelianum** (C.Müll.) A.Jaeger**L. syrrhopodontioides** Broth.**LEUCOPERICHAETIUM** Magill

1. Magill. 1981.

L. eremophilum Magill**LEVIERELLA** C.Müll.

2. Bizot & Pócs. 1982.

L. fabroniacea C.Müll. var. *abyssinica* Dixon= *L. perserrata***L. perserrata** P.de la Varde & J.-F.Leroy**LINDBERGIA** Kindb.

1. Magill & Schelpe. 1979.

L. haplocladioides Dixon**L. patentifolia** Dixon**L. pseudoleskeoides** Dixon**L. viridis** Dixon**LOPIDIUM** Hook.f. & Wilson

1. Magill & Van Rooy 1998.

L. pennaeforme (Brid.) M.Fleisch.**MACROCOMA** (C.Müll.) Grout

1. Magill & Van Rooy 1998.

M. lycopodioides (Schwägr.) Vitt**M. pulchella** (Hornsch.) Vitt**M. tenue** (Hook. & Grev.) Vitt subsp. *tenue***MACROMITRIUM** Brid.

2. Van Rooy & Van Wyk. 1992.

M. lebomboense Van Rooy**M. levatum** Mitt.**M. macropelma** C.Müll.**M. richardii** Schwägr.*M. schlotheimiaeforme* Paris = *Cardotiella secunda**M. secundum* C.Müll. = *Cardotiella secunda***M. serpens** (Hook. & Grev.) Brid.*M. tristratosum* Dixon = *M. serpens***MEIOTHECIUM** Mitt.

1. Magill & Schelpe. 1979.

M. fuscescens (A.Jaeger) Broth.**MICROBRYUM** Schimp.

1. Zander. 1993.

M. davallianum (Sm.) R.H.Zander var.**conicum** (Schleich. ex Schwägr.) R.H. Zander**M. rufochaete** (Magill) R.H.Zander**M. subplanomarginatum** (Dixon)

R.H.Zander

MICROCAMPYLOPUS (C.Müll.) M.Fleisch.*M. perpusillus* (Mitt.) Broth. = *Campylopus**perpusillus***MICROCROSSIDIUM** Guerra & Cano

1. Cano, Guerra & Ros. 1993.

M. apiculatum (Magill) Guerra & Cano**MICRODUS** Schimp. ex Besch. =*Leptotrichella*

1. Magill. 1981.

2. Ochyra 1997.

M. minutus (Hampe) Besch. = *Leptotrichella minuta* 2.

MICROPOMA Lindb.

1. Magill. 1987.

M. niloticum (Delile) Lindb.

MIELICHHOFERIA Nees & Hornsch.

1. Van Rooy & Magill. 1987.

M. bryoides (Harv.) Wijk & Margad.

M. subnuda Sim

MITTENOTHAMNIUM Henn.

1. Magill & Schelpe. 1979.

M. cavifolium (Dixon) Wijk & Margad. =
Chrysohypnum cavifolium

M. ctenidioides (Dixon) Schelpe

M. cygnicollum (Dixon) Wijk & Margad.

M. diminutivum (Hampe) Britten - species
insufficiently known

M. horridulum (Broth.) Cardot

M. patens (Hampe) Cardot

M. pseudo-reptans (C.Müll.) Cardot

NANOBYRYUM Dixon

N. dummeri Dixon = *Fissidens gladiolus*

NECKERA Hedw.

1. Magill & Van Rooy 1998.

N. valentiniana Besch.

OCTOBLEPHARUM Hedw.

1. Magill. 1981.

O. albidum Hedw.

OEDIPODIELLA Dixon

1. Magill. 1987.

O. australis (Wager & Dixon) Dixon

OLIGOTRICHUM Lam. & DC.

1. Fanshawe. 1980.

O. afrolaevigatum (Dixon) G.L.Sm.

O. capense Schelpe & Fanshawe

O. tetragonum Schelpe & Fanshawe

O. wageri (Broth.) G.L.Sm.

OREOWEISIA (Bruch, Schimp. & W.Gümbel) De Not.

1. Magill. 1981.

O. erosa (C.Müll.) Kindb.

ORTHODONTIUM Schwägr.

1. Van Rooy & Magill. 1987.

O. lineare Schwägr.

ORTHOSTICHOPSIS Broth.

2. Magill & Van Rooy 1998.

O. pinnatella (Broth.) Broth.

O. subimbricata (Hampe) Broth.

ORTHOTRICHUM Hedw.

1. Magill & Van Rooy 1998.

O. afro-fastigiatum C.Müll. - species
insufficiently known

O. armatum Lewinsky & Van Rooy

O. diaphanum Brid.

O. firmum Vent.

O. incurvomarginatum Lewinsky & Van
Rooy

O. mirum Lewinsky = *Stoneobryum mirum*

O. oreophilum Lewinsky & Van Rooy

O. rupestre Schwägr.

O. subexsertum Schimp. ex C.Müll.

O. transvaalense Rehmann ex Sim

OXYRRHYNCHIUM (Bruch, Schimp. & W.Gümbel) Warnst.

1. Magill & Schelpe. 1979.

O. confervoideum Sim

O. subasperum Sim

OXYSTEGUS (Limpr.) Hilp.

O. cylindricus (Brid.) Hilp. = *Trichostomum tenuirostre*

PALAMOCLADIUM C.Müll.

1. Hofmann 1997.

P. leskeoides (Hook.) Britt.

P. sericeum (A.Jaeger) C.Müll. = *P. leskeoides* 1.

P. sericeum (A.Jaeger) C.Müll. var

afrostriatum C.Müll. = *P. leskeoides* 1.

PAPILLARIA (C.Müll.) C.Müll.

1. Magill & Van Rooy 1998.

P. africana (C.Müll.) A.Jaeger**PHASCONICA** C.Müll.*P. tisserantii* P.de la Varde = *Trichostomum unguiculatum***PHASCUM** Hedw.

1. Magill. 1981.

2. Zander, 1993.

P. leptophyllum C.Müll. = *Chenia leptophylla**P. peraristatum* C.Müll.**PHILONOTIS** Brid.

1. Magill. 1987. FSA Bryoph. 1,2.

2. Griffin & Buck. 1989.

P. africana (C.Müll.) Paris*P. comosa* (Broth.) D.G.Griffin & W.R.Buck*P. dregeana* (C.Müll.) A.Jaeger*P. falcata* (Hook.) Mitt.*P. globosa* (C.Müll.) D.G.Griffin & W.R.Buck*P. hastata* (Duby) Wijk & Margad.*P. scabrifolia* (Hook.f. & Wilson) Braithw.*P. vagans* (Hook.f. & Wilson) Mitt.**PHYSCOMITRELLOPSIS** Broth. & Wager
ex Dixon

1. Magill. 1987.

P. africana Wager & Broth. ex Dixon**PHYSCOMITRIUM** (Brid.) Brid.

1. Magill. 1987.

P. spathulatum (Hornsch.) C.Müll. var. sessile (Shaw) Magill*P. spathulatum* (Hornsch.) C.Müll. var. spathulatum**PILOTRICHELLA** (C.Müll.) Besch.

1. Magill & Van Rooy 1998.

P. conferta Renauld & Cardot = *P. panduraefolia**P. cuspidata* Broth. = *P. panduraefolia**P. panduraefolia* (C.Müll.) A.Jaeger**PINNATELLA** Fleischm.

1. Enroth 1994.

2. Magill & Van Rooy 1998.

P. flagellacea (Mitt.) Broth. ex Paris - excluded.*P. minuta* (Mitt.) Broth.*P. oblongifrondea* (Broth.) Broth. = *P. minuta***PLAGIOBRYUM** Lindb.

1. Van Rooy & Magill. 1987.

P. zierii (Hedw.) Lindb.**PLAGIOMNIUM** Pic.Serm.

1. Magill. 1987.

P. rhynchophorum (Hook.) Kop. var. *reidii* (Dixon) Kop.**PLAGIOPUS** Brid.

1. Magill. 1987.

P. oederianus (Sw.) H.A.Crum & L.E.Anderson**PLAGIOTHECIUM** Bruch, Schimp. & W.Gümbel

1. Magill & Schelpe. 1979.

P. membranosulum C.Müll.*P. rhynchostegioides* C.Müll.**PLATYHYPNIDIUM** Fleischm.

1. Magill & Schelpe. 1979

2. PRE herbarium practise.

P. aquaticum (A.Jaeger) M.Fleisch.*P. macowanianum* (Paris) M.Fleisch.**PLATYNEURUM** (Cardot) Broth.

1. Frahm 1989.

2. Ochyra & Bednarek-Ochyra 1997.

P. laticostatum (Card.) Broth. = *P. praealtum**P. praealtum* (Mitt.) Ochyra & Bednarek-Ochyra**PLAUBELIA** Brid.

1. Zander. 1993.

P. involuta (Magill) R.H.Zander

PLEURIDIUM Rabenh.

1. Magill. 1981.

P. ecklonii (C.Müll.) Snider*P. nervosum* (Hook.) Mitt.*P. papillosum* Magill*P. pappeanum* (C.Müll.) A.Jaeger**POGONATUM** P.Beauv.

1. Fanshawe. 1980.

P. borgenii (Hampe) A.Jaeger*P. capense* (Hampe) A.Jaeger*P. nanum* (Hedw.) P.Beauv. - excluded*P. oligodus* (C.Müll.) Mitt.**POHLIA** Hedw.

1. Van Rooy & Magill. 1987.

P. baronii Wijk & Margad.*P. cruda* (Hedw.) Lindb.*P. elongata* Hedw.*P. nutans* (Hedw.) Lindb.**POLYTRICHASTRUM** G.L.Sm.

1. Fanshawe. 1980.

P. formosum (Hedw.) G.L.Sm.**POLYTRICHUM** Hedw.

1. Fanshawe. 1980.

P. commune Hedw.*P. formosum* Hedw. = *Polytrichastrum formosum**P. juniperinum* Willd. ex Hedw.*P. longisetum* Sw.ex Brid. - excluded*P. natalense* Sim = *Pogonatum oligodus**P. piliferum* Schreb. ex Hedw.*P. subformosum* Besch.**POROTHAMNIUM** Fleischm.

1 Magill & Van Rooy 1998.

P. capense (Broth. & Dixon) Sim - species insufficiently known*P. hildebrandtii* (C.Müll.) M.Fleisch. = *P. stipitatum**P. natalense* (C.Müll.) M.Fleisch. = *Porotrichum usagarum**P. pennaefrondeum* (C.Müll.) Cardot =*Porotrichum madagassum**P. stipitatum* (Mitt.) Touw ex De Sloover**POROTRICHUM** (Brid.) Hampe

1 Magill & Van Rooy 1998.

P. elongatum (Welw. & Duby) A.Gepp*P. madagassum* Kiaer ex Besch.*P. molliculum* Broth. = *P. usagarum**P. usagarum* Mitt.**POTTIA** (Rchb.) Fürnr.

1. Magill. 1981.

2. Zander, 1993.

P. macowaniana C.Müll. = *Microbryum davallianum* var. *conicum**P. namaquensis* Magill*P. splachnoides* (Hornsch.) Broth. = *Tortula splachnoides**P. subplanomarginata* Dixon = *Microbryum subplanomarginatum***PRIONODON** C.Müll.

1 Magill & Van Rooy 1998.

P. densus (Hedw.) C.Müll.**PSEUDOCROSSIDIUM** Williams

1. Zander. 1979.

2. Frey & Kurschner. 1988.

3. Sollman, 1991.

4. Zander. 1993.

P. crinitum (Schultz) R.H.Zander*P. hornschurchianum* (Schultz) R.H.Zander*P. porphyreoneurum* (C.Müll. ex Venturi) R.H.Zander*P. replicatum* (Taylor) R.H.Zander**PSEUDOLESKEA** Bruch, Schimp. & W.Gümbel

1. Magill & Schelpe. 1979.

2. PRE herbarium use following R.

Ochyra (pers. comm.)*P. chilensis* (Lor.) Ochyra 2.*P. leskeoides* (Paris) C.Müll.

PSEUDOLESKEOPSIS Broth.

1. Magill & Schelpe. 1979.

P. claviramea (C.Müll.) Thér.**P. pseudoattenuata** (C.Müll.) Thér.**P. unilateralis** Dixon**PSILOPILUM** Brid.

1. Fanshawe. 1980.

P. afrolaevigatum Dixon = *Oligotrichum afrolaevigatum***P. trichodon** (Hook.f. & Wilson) Mitt. - excluded**P. wageri** Broth. in Dixon = *Oligotrichum wageri***PTEROBRYOPSIS** Fleischm.

1. Magill & Van Rooy 1998

Pterobryopsis acutifolium (Brid.) Magill**Pterobryopsis hoenelii** (C.Müll.) Magill**P. rehmannii** Magill**PTEROGONIUM** Sw.

1 Magill & Van Rooy 1998.

P. gracile (Hedw.) Sm.**PTERYGONEURUM** Jur.

1. Magill. 1981.

P. macleanum Warnst.**PTYCHOMITRIOPSIS** Dixon

1 Magill & Van Rooy 1998.

P. africana Dixon**P. aloinoides** Magill**PTYCHOMITRIUM** Fürnr.

1 Magill & Van Rooy 1998.

P. crassinervium (C.Müll.) Schimp. ex Paris**P. crispatum** (Hedw.) A.Jaeger**P. cucullatifolium** (C.Müll.) A.Jaeger**P. depressum** (C.Müll.) Paris**P. diexaratum** Magill ex Magill & Schelpe**P. eurybasis** Dixon**P. exaratifolium** H.Rob.**P. godfreyi** H.Rob. = *Ptychomitriopsis africana***P. marginatum** (Wager ex Dixon) Dixon = *P. subcrispatum***P. obtusatum** (C.Müll.) Paris = *P. cucullatifolium***P. subcrispatum** Thér. & P.de la Varde**PYRRHOBRYUM** Mitt.

1. Magill. 1987.

P. spiniforme (Hedw.) Mitt.**P. vallis-gratae** (Hampe) Manuel**QUATHLAMBA** Magill

1. Magill. 1987.

Q. debilicostata Magill**RACOMITRIUM** Brid.

1. Magill. 1981.

2. Ochyra et al. 1988.

R. crispulum (Hook.f. & Wilson) Hook.f. & Wilson**R. lamprocarpum** (C.Müll.) A.Jaeger**R. lanuginosum** (Hedw.) Brid.**R. nigro-viride** (C.Müll.) Paris = *R. lamprocarpum***RACOPILUM** P.Beauv.

1 Magill & Van Rooy 1998.

R. capense C.Müll.**RAUIELLA** Reimers

1. Buck & Crum. 1990.

R. praelonga (Besch.) Wijk & Margad.**R. subfilamentosa** (Besch.) Wijk & Margad. = *R. praelonga***RHABDOWEISIA** Bruch, Schimp. & W.Gümbel

1 Magill & Van Rooy 1998.

. Van Rooy. 1991.

R. crispata (With.) Lindb.**R. fugax** (Hedw.) Bruch, Schimp. & W.Gümbel**RHACHITHECIUM** Broth. ex Le'Jol.

1 Magill & Van Rooy 1998.

R. perpussillum (Thwaites & Mitt.) Broth.

RHACOCARPUS Lindb.

1. Magill & Van Rooy 1998.

R. purpurascens (Brid.) Paris**R. rehmannianus** (C.Müll.) Wijk & Margad. =**R. purpurascens** 1**RHACOPILOPSIS** Renauld & Cardot

1. Buck. 1993.

R. flexilis (Renauld & Cardot) Buck**R. transvaaliensis** Thér.& Dixon**RHODOBRYUM** (Schimp.) Limpr.

1. Van Rooy & Magill. 1987.

R. commersonii (Schwägr.) Paris**R. keniae** (C.Müll.) Broth.**R. roseum** (Hedw.) Limpr.**R. umbraculum** (Hook.) Schimp. ex Paris**RHYNCHOSTEGIELLA** (Bruch, Schimp. & W.Gümbel) Limpr.

1. Magill & Schelpe. 1979.

R. holstii (Broth.) Broth.**R. sublaevipes** Broth. & Bryhn**R. zeyheri** (C.Müll.) Broth.**RHYNCHOSTEGIUM** Bruch, Schimp. & W.Gümbel

1. Magill & Schelpe. 1979.

R. brachypterum (Horns.) A.Jaeger**R. raphidorrhynchum** (C.Müll.) A.Jaeger**R. subbrachypterum** Broth. & Bryhn**RIGODIUM** Kunze ex Schwägr.

1. Zomlefer. 1993.

R. kilimandscharicum (Broth.) Paris = **R.****toxarion****R. toxarion** (Schwägr.) A.Jaeger**SAELANIA** Lindb.

1. Magill. 1981.

S. glaucescens (Hedw.) Broth.**SANIONIA** Loeske

1. Tuomikoski & Koponen. 1979.

S. uncinata (Hedw.) Loeske**SCHISTIDIUM** Brid.

1. Bremer. 1980.

S. apocarpum (Hedw.) Bruch & Schimp.**SCHLOTHEIMIA** Brid.

1. Magill & Van Rooy 1998.

S. ferruginea (Hook. & Grev.) Brid.**S. grevilleana** Mitt. - excluded.**S. percuspidata** C.Müll.**S. rufo-aeruginosa** C.Müll. - species insufficiently known**S. rufopallens** C.Müll.**S. ventrosa** C.Müll. - species insufficiently known**SCIAROMIUM** (Mitt.) Mitt.**S. capense** Mitt. ex Dixon = **Vittia pachyloma****SEMATOPHYLLUM** Mitt.

1. Magill & Schelpe. 1979.

2. Buck. 1983.

S. brachycarpum (Hampe) Broth.**S. caespitosum** (Hedw.) Mitt. = **S. subpinnatum****S. dregei** (C.Müll.) Magill**S. gueinzii** (Hampe) Magill**S. sphaeropyxis** (C.Müll.) Broth.**S. subpinnatum** (Brid.) Britten**S. wagerii** C.H.Wright ex Wager**S. zuluense** (Sim) Magill**SPHAEROTHECIUM** Hampe

1. Frahm. 1986.

S. subchlorophyllosum (C.Müll. ex Rabenh.) Frahm**SPHAGNUM** L.

1. Magill. 1981..

2. Eddy. 1985..

S. africanum Wew. & Duby - excluded**S. capense** Hornsch.**S. fimbriatum** Wilson in Hook.**S. obtusiusculum** Lindenb. ex Warnst. = **S. violascens****S. perichaetiale** Hampe

- S. pycnocladulum** C.Müll.
S. strictum Sull. subsp. **pappeanum** (C.Müll.) Eddy
S. truncatum Hornsch.
S. violascens C.Müll.
- SQUAMIDIUM** (C.Müll.) Broth.
 1. Magill & Schelpe. 1979.
 2. Allen & Crosby. 1986.
S. biforme (Hampe) Broth. = **S. brasiliense**
S. brasiliense (Hornsch.) Broth.
- STEREOPHYLLUM** Mitt.
 1. Magill & Schelpe. 1979.
S. natalense Sim
S. odontocalyx (C.Müll.) A.Jaeger
S. woodii (Sim) Magill
- STONEOBRYUM** D.H.Norris & H.Rob.
 1 Magill & Van Rooy 1998.
S. mirum (Lewinsky) D.H.Norris & H.Rob.
- STREPTOCALYPTA** C.Müll.
 2. Zander. 1993.
S. pulchreiretis (Dixon) R.H.Zander
- SYNTRICHIA** Brid.
 1. Kramer. 1988.
 2. Magill, Delgadillo & Stark. 1983.
 3. Ochyra. 1992.
 4. Zander. 1993.
S. ammoniana (H.A.Crum & L.E.Anderson) Ochyra
S. austroafricana (W.A.Kramer) R.H.Zander
S. chisosa (Magill, Delgad. & L.R.Stark) R.H.Zander
S. fragilis (Taylor) Ochyra
S. pagorum (Milde) J.J.Amann
S. papillosa (Wilson in Spruce) Jur.
S. princeps (De Not.) Mitt.
S. ruralis (Hedw.) F.Weber & Mohr
- SYRRHOPODON** Schwägr.
 1. Orban. 1981.
S. asper Mitt.
S. gaudichaudii Mont.
- S. gomesii** P.de la Varde = **S. asper**
S. obliquirostris C.Müll. = **S. gaudichaudii**
S. uncinifolius C.Müll. = **S. gaudichaudii**
- TAYLORIA** Hook.
 1. Magill. 1987.
T. isleana (Besch.) Broth.
T. orthodonta (P.Beauv.) Wijk & Margad.
- TETRAPTERUM** Hampe ex A.Jaeger
 1. Magill. 1981
T. tetragonum (Hook.) Andrews
- THUIDIUM** Bruch, Schimp. & W.Gümbel
 1. Magill & Schelpe. 1979.
 2. Buck & Crum 1990.
T. chenagonii C.Müll. ex Renault & Cardot - excluded
T. matarumense Besch.
T. ramusculosum (Mitt.) A.Jaeger = **Cyrtohypnum ramusculosum**
T. varians Welw. & Duby = **Cyrtohypnum varians**
T. versicolor (C.Müll.) A.Jaeger = **Cyrtohypnum versicolor**
- TIMMIELLA** (De Not.) Limpr.
 1. Magill. 1981.
T. pelindaba Magill
- TORTELLA** (Lindb.) Limpr.
 1. Magill. 1981.
T. fragilis (Hook. & Wilson) Limpr.
T. humilis (Hedw.) Jenn.
T. xanthocarpa (C.Müll.) Broth.
- TORTULA** Hedw.
 1. Kramer. 1980.
 2. Magill. 1981.
 3. Townsend, 1987.
 4. Zander. 1993.
T. ammoniana Crum & Anderson = **Syntrichia ammoniana**
T. atrovirens (Sm.) Lindb.
T. austroafricana W.A.Kramer = **Syntrichia austroafricana**

- T. bogosica** (C.Müll.) R.H.Zander
T. chisosa Magill, Delgad. & L.R.Stark =
Syntrichia chisosa
T. muralis Hedw.
T. pagorum (Milde) De Not. = *Syntrichia*
pagorum
T. papillosa Wilson ex Spruce = *Syntrichia*
papillosa
T. porphyreoneura (C.Müll.) Towns. =
Pseudocrossidium porphyreoneurum
T. princeps De Not. = *Syntrichia princeps*
T. schmidii (C.Müll.) Broth. = *Syntrichia*
fragilis
T. splachnoides (Hornsch.) R.H.Zander

TRACHYPHYLLUM A.Gepp in Hiern
 1. Buck. 1979.

- T. fabronioides* (Besch.) A.Gepp - species
 insufficiently known
T. gastrodes (Welw. & Duby) A.Gepp
T. maximum Dixon = *T. gastrodes*

TRACHYPODOPSIS Fleischm.
 1 Magill & Van Rooy 1998.

- T. serrulata** (P.Beauv.) M.Fleisch.

TRACHYPUS Reinw. & Hornsch.
 1 Magill & Van Rooy 1998.

- T. bicolor** Reinw. & Hornsch. var. *viridulus*
 (Mitt.) Zanten

TREMATODON Michx.
 1. Magill. 1981.

- T. divaricatus** Bruch ex C.Krauss
T. intermedius Welw. & Duby
T. longicollis Michx.
T. mayottensis Besch.
T. paradoxus Hornsch.
T. pillansii Dixon ex Sim

TRICHOSTELEUM Mitt.
 1. Magill & Schelpe. 1979.

- T. perchlorosum** Broth. & Bryhn

- TRICHOSTOMOPSIS** Cardot
T. australasiae (Hook. & Grev.) H.Rob. =
Didymodon australasii
T. trivialis (C.Müll.) H.Rob. = *Didymodon*
trivialis

TRICHOSTOMUM Bruch

1. Smith. 1977.
 2. Magill. 1981.
 3. Zander. 1993.
T. brachydontium Bruch ex F.A.Müll.
T. tenuirostre (Hook.& Taylor) lindb.
T. unguiculatum (Mitt.) R.H.Zander

TRIQUETRELLA C.Müll.

1. Magill. 1981.
T. tristicha (C.Müll.) C.Müll.

TRISTICHIMUM C.Müll.

1. Magill. 1981.
T. mirabile (C.Müll.) Herzog

ULOTA Mohr

- 1 Magill & Van Rooy 1998.
U. ecklonii (Hornsch.) A.Jaeger

VESICULARIA (C.Müll.) C.Müll.
 1. Magill & Schelpe. 1979.

- V. galerulata** (Duby) Broth.

VITTIA Ochyra

1. Ochyra. 1987.
V. pachyloma (Mont.) Ochyra

WARDIA Harv. & Hook.

- 1 Magill & Van Rooy 1998.
W. hygrometrica Harv. & Hook.

WEISIOPSIS Broth.

1. Magill. 1981.
 2. Zander. 1993.
W. involuta Magill = *Plaubelia involuta*
W. plicata (Mitt.) Broth.
W. pulchiretis Dixon = *Streptocalypta*
pulchiretis

WEISSIA Hedw.

1. Magill. 1981.

W. controversa Hedw.**W. cucullata** C.Müll.**W. dieterlenii** Thér.**W. humicola** C.Müll.**W. latiuscula** C.Müll.**WIJKIA** Crum

1. Magill & Schelpe. 1979.

W. trichocolea (C.Müll.) H.A.Crum**ZYGODON** Hook. & Taylor

1 Magill & Van Rooy 1998.

Z. cernuus C.Müll. - species insufficiently known**Z. dixonii** Sim**Z. erosus** Mitt.**Z. intermedius** Bruch, Schimp.& W.Gümbel**Z. leptobolax** C.Müll.**Z. runcinatus** C.Müll.**Z. trichomitrius** Hook. & Wilson**C. Systematic Arrangement of Southern African Moss Families and Genera**

The systematic arrangement of the families and the generic placement generally follow the (*Moss*) *Flora of Southern Africa* (Magill 1981, 1987; Magill & Van Rooy 1998) or the *Checklist* (Magill & Schelpe 1979). Where changes have occurred in the arrangement of families or the placement of genera, or where new families or genera have been added since the publication of Magill & Schelpe's *Checklist* or the first two fascicles of the *Moss Flora*, the literature reference is given under the family name. The numbers after the family names are those of Magill & Schelpe (1979), adapted for use in the PRE Bryophyte Herbarium.

SPHAGNACEAE (1)

Sphagnum

ANDREAEACEAE (2)

Andreaea

FISSIDENTACEAE (3)

1. Pursell & Reese, 1980.

Fissidens

ARCHIDIACEAE (4)

Archidium

DITRICHACEAE (5)

Astomiopsis

Ceratodon

Cheilothela

Distichium

Ditrichum

Eccremidium

Pleuridium

Saelania

Tristichium

SELIGERIACEAE (7)

Blindia

DICRANACEAE (8)

Aongstroemia

Aongstroemiopsis

Bruchia

Campylopus

Chorisodontium

Cladophascum

Dicranella

Dicranoloma

Holomitrium (26)
 Leucobryum
 Leucoloma
 Microdus (27)
 Oreoweisia
 Sphaerothecium
 Trematodon (28)

CALYMPERACEAE (12)

Calymperes (29)
 Hypodontium
 Octoblepharum
 Syrrhopodon (30)

ENCALYPTACEAE (13)

Encalypta

POTTIACEAE (14)

1. Cano, Guerra & Ros 1993.
2. Zander 1993.

Acaulon
 Aloina
 Anoectangium
 Barbula
 Bryoerythrophyllum
 Chenia (31)
 Crossidium
 Didymodon
 Gymnostomum (32)
 Henediella
 Hymenostylium
 Hyophila
 Leptodontium (33)
 Microbryum & Robinson, 1991.
 Microcrossidium
 Phascum van Rooy & Van Wyk, 1992.
 Plaubelia
 Pottia
 Pseudocrossidium
 Pterygoneurum
 Streptocalypta
 Syntrichia
 Tetrapterum
 Timmiella
 Tortella
 Tortula

Trichostomum
 Triquetrella
 Weisiopsis
 Weissia (34)

BRYOBARTRAMIACEAE (14A)

Bryobartramia (35)

GRIMMIACEAE (15)

Grimmia (36)
 Leucoperichaetium
 Racomitrium
 Schistidium (37)

GIGASPERMACEAE (16)

Chamaebryum
 Gigaspermum
 Oedipodiella

EPHEMERACEAE (18)

Ephemerum

FUNARIACEAE (19)

Cygnicollum
 Funaria
 Goniomitrium (38)
 Micropoma
 Physcomitrellopsis
 Physcomitrium

SPLACHNACEAE (21)

Tayloria

BRYACEAE (24)

1. Crum, 1992.

Anomobryum
 Brachymenium
 Bryum (39)
 Leptobryum
 Mieliichhoferia
 Orthodontium
 Plagiobryum
 Pohlia
 Rhodobryum

MNIACEAE (26)

Plagiomnium

EUSTICHIACEAE (28)

Eustichia

RHIZOGONIACEAE (32)

Pyrrhobryum

AULACOMNIACEAE (34)

Leptotheca

BARTRAMIACEAE (37)

Anacolia

Bartramia

Breutelia

Conostomum

Philonotis

Plagiopus

Quathlamba

ERPODIACEAE (40)

Aulacopilum

Erpodium

RHACHITHECIACEAE (40A)

Rhachithecium

PTYCHOMITRIACEAE (41)

Ptychomitriopsis

Ptychomitrium

ORTHOTRICHACEAE (42)

1. Norris & Robinson, 1981.

2. Vitt, 1981.

3. Van Rooy & Van Wyk, 1992.

Amphidium

Cardotiella

Macrocoma

Macromitrium

Orthotrichum

Schlotheimia

Stoneobryum

Ulota

Zygodon

RHABDOWEISIACEAE (42A)

Rhabdoweisia

RACOPILACEAE (44)

Racopilum

FONTINALACEAE (45)

Fontinalis

WARDIACEAE (45A)

Wardia

HEDWIGIACEAE (47)

Braunia

Hedwigia

Hedwigidium

Rhacocarpus

CRYPHAEACEAE (48)

Cryphaea

LEUCODONTACEAE (49)

Leucodon

Pterogonium

PRIONODONTACEAE (53)

Prionodon

TRACHYPODACEAE (55)

Trachypodopsis

Trachypus

PTEROBRYACEAE (57)

Jaegerina

Orthostichopsis

Pterobryopsis

METEORACEAE (58)

Aerobryopsis

Floribundaria

Papillaria

Pilotrichella

Squamidium

LEPTODONTACEAE (58A)

1. Buck, 1981.

Forsstroemia
Leptodon**NECKERACEAE (60)**

Neckera

THAMNOBRYACEAE (60A)

1. Buck & Vitt, 1986.

Pinnatella
Porothamnium
Porotrichum**HOOKERIACEAE (65)**Callicostella
Calypstrochaeta
Cyclodictyon
Distichophyllum
Hookeriopsis
Hypopterygium
Lepidopilidium
Lopidium**FABRONIACEAE (70)**Dimerodontium
Fabronia
Helicodontium
Ischyrodon
Leptoischyrodon**STEREOPHYLLACEAE (70A)**

1. Buck & Ireland, 1985.

Entodontopsis
Stereophyllum**LESKEACEAE (71)**1. Vitt, 1984.
1. Buck & Crum, 1990.
2. Enroth, 1991.Haplocladium
Herpetineuron
Leptoterigynandrum
Leskeella
Lindbergia
Pseudoleskea

Pseudoleskeopsis

THUIDIACEAE (72)

1. Buck & Crum, 1990

Abietinella
Cyrtohypnum
Haplohymenium
Rauiella
Thuidium**RIGODIACEAE (72B)**

1. Crum, 1981.

Rigodium

AMBLYSTEGIACEAE (73)1. Tuomikoski & Koponen, 1979.
2. Ochyra, 1987.
3. Ochyra & Pócs, 1992.Campyliadelphus
Cratoneuron
Drepanocladus
Leptodictyum
Platyhypnidium
Sanionia
Vittia**BRACHYTHECIACEAE (74)**

1. Ochyra & Pócs, 1982.

Brachythecium
Oxyrrhynchium
Palamocladium
Rhynchostegiella
Rhynchostegium**ENTODONTACEAE (75)**Entodon
Erythrodonium
Leverella
Trachyphyllum**PLAGIOTHECIACEAE (76)**

1. Buck & Ireland, 1985.

Plagiothecium

CATAGONIACEAE (76A)

1. Buck & Ireland, 1985.

Catagonium

Ectropothecium

Hypnum

Isopterygium

Mittenothamnium

Vesicularia

SEMATOPHYLLACEAE (77)

1. Buck, 1993.

Rhacopilopsis

Sematophyllum

Trichosteleum

Wijkia

POLYTRICHACEAE (83)

1. Fanshawe, 1980.

Atrichum

Oligotrichum

Pogonatum

Polytrichastrum

Polytrichum

HYPNACEAE (78)

1. Ochyra & Sharp, 1988.

Chrysohypnum

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