

BRYOPHYTA

NEW AND INTERESTING RECORDS OF MOSSES IN THE FLORA OF SOUTHERN AFRICA AREA:
4. NEW RECORDS AND GEOGRAPHIC REGIONS

This is the fourth report of new and interesting records of mosses from regions inside the *Flora of southern Africa (FSA)* area, comprising Botswana, Lesotho, Namibia, South Africa and Swaziland. The records are listed in the same order and form as previously (Van Rooy & Perold 1990, 1992a, b) except that the genera are now alphabetically arranged under each family. This report also includes new records for regions referred to in *Memoirs of the Botanical Survey of South Africa No. 62—Plants of southern Africa: names and distribution* (Van Rooy 1993).

The geographic regions referred to in the previous reports (Van Rooy & Perold 1990, 1992a, b) are the same as those presented in the first two fascicles of the Bryophyta in the *Flora of southern Africa* (Magill 1981, 1987). To reflect recent constitutional developments in southern Africa some of these regions, partly demarcated by former provincial boundaries, have been changed. The changes have, however, been kept to a minimum for the sake of continuity. The former western Transvaal region now forms part of the northern Cape region, and the former Transkei region has been added to the eastern Cape region (Figure 3). The name of the South West Africa/Namibia region has been changed to Namibia, that of the Orange Free State region to Free State, and that of Natal to KwaZulu-Natal. The name Zululand is retained for the northern part of KwaZulu-Natal Province. The 'Cape' and 'Transvaal' regions referred to in this report no longer coincide with the former Cape and Transvaal provinces of South Africa.

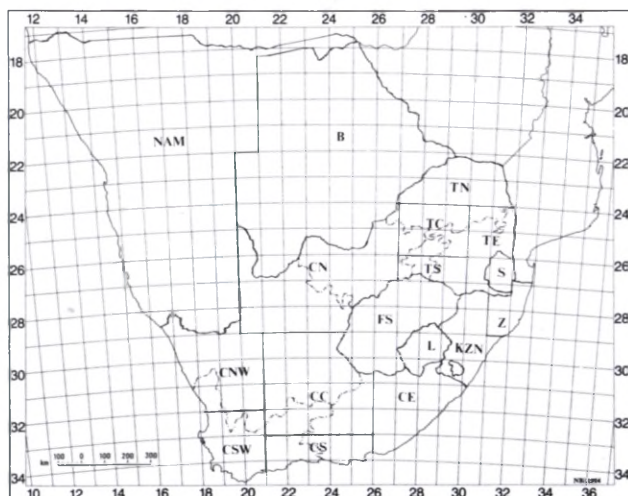


FIGURE 3.—Amended geographical regions for the moss flora of southern Africa. **B**—Botswana, **CC**—central Cape, **CE**—eastern Cape, **CN**—northern Cape, **CNW**—northwestern Cape, **CS**—southern Cape, **CSW**—southwestern Cape, **FS**—Free State, **KZN**—KwaZulu-Natal, **L**—Lesotho, **NAM**—Namibia, **S**—Swaziland, **TC**—central Transvaal, **TE**—eastern Transvaal, **TN**—northern Transvaal, **TS**—southern Transvaal, **Z**—Zululand (northern KwaZulu-Natal).

FISSIDENTACEAE

Fissidens

- rufescens* Hornsch. (Magill 1981: 47)
Namibia, first record in PRE with a precise locality (1917 DA: Smook 8983).
usambaricus Broth. (Magill 1981: 43)
Swaziland (2631 AA: Braun 1456).

ARCHIDIACEAE

Archidium

- acanthophyllum* Snider (Magill 1981: 75)
Swaziland (2631 AB: Smook 8885).
globiferum (Brid.) J.-P.Frahm (as *A. ohioense* in Magill 1981: 74)
Free State (2827 DC: Van Rooy 515).

DITRICHACEAE

- Ditrichum difficile* (Duby) M.Fleisch. (Magill 1981: 93)
Central Transvaal (2527 CD: Glen 3173).

DICRANACEAE

Trematodon

- divaricatus* Bruch ex C.Krauss (Magill 1981: 114)
Southern Cape (3323 DC: Powrie 234).
longicollis Michx. (Magill 1981: 115)
Southern Cape (3321 AC: Perold 3285).

POTTIACEAE

- Bryoerythrophyllum campylocarpum* (C.Müll.) H.A.Crum (as *B. jamesonii* in Magill 1981: 248)
Southern Transvaal (2628 DA: Glen 2847).
Hymenostylium recurvirostrum (Hedw.) Dixon (Magill 1981: 182)
Free State (2828 DA: Perold, Koekemoer & Smook 3007).
Hyophila involuta (Hook.) A.Jaeger (Magill 1981: 228)
Swaziland (2631 AB: Braun 1719, 2631 AC: Braun 1468).
Syntrichia papillosa (Wilson in Spruce) Jur. (as *Tortula papillosa* in Magill 1981: 218)
Namibia (2715 BD: Oliver 10208).
Timmiella pelindaba Magill (Magill 1981: 253)
Eastern Transvaal (2530 BC: Anderson CH13585).
Trichostomum tenuirostre (Hook. & Taylor) Lindb. (as *Oxystegus cylindricus* in Magill 1981: 259)
Eastern Transvaal (2530 BC: Burrows 5983).

BRYACEAE

- Brachymenium nepalense* Hook.in Schwägr. (Magill 1987: 347)
Swaziland (2631 AA: Veltman 111).

Bryum

- canariense* Brid. (Magill 1987: 381)
Swaziland (2631 AB: Smook 8935a).
capillare Hedw. (Magill 1987: 372)
Southern Transvaal (2628 CA: Glen 2513)
cellulare Hook. (Magill 1987: 363)
Swaziland (2631 AA: Braun 1714).

BARTRAMIACEAE

- Philonotis africana* (C.Müll.) Paris (Magill 1987: 429)
Southern Cape (3322 DC: Koekemoer 1000).

ERPODIACEAE

- Erpodium beccarii* C.Müll. (Van Rooy 1993: 35)
Swaziland (2631 BB: Braun 767).

PTYCHOMITRIACEAE

- Ptychomitrium eurybasis* Dixon (Van Rooy 1993: 35)
Free State (2828 DB: Magill 6604).

ORTHOTRICHACEAE

- Orthotrichum rupestre* Schwägr. (Van Rooy 1993: 36)
KwaZulu-Natal (2929 CB: Magill 7052).

HEDWIGIACEAE

- Braunia secunda* (Hook.) Bruch, Schimp. & W.Gümbel (Van Rooy 1993: 37)
Free State (3027 AC: Van Rooy 2545).

THUIDIACEAE

- Haplohymenium pseudotriste* (C.Müll.) Broth. (Van Rooy 1993: 42)
Swaziland (2631 AA: Glen 3114).

HYPNACEAE

- Vesicularia galerulata* (Duby) Broth. (Van Rooy 1993: 45)
Namibia (2017 AD: Volk 1117).

POLYTRICHACEAE

Atrichum androgynum (C.Müll.) A.Jaeger (Van Rooy 1993: 46)
Swaziland (2631 AB: Smook 8912).

ACKNOWLEDGEMENTS

I would like to thank all the collectors of bryophytes in southern Africa for their contribution to bryology.

REFERENCES

- MAGILL, R.E. 1981. Bryophyta 1,1: 1–291. *Flora of southern Africa*. Botanical Research Institute, Pretoria.
MAGILL, R.E. 1987. Bryophyta 1,2: 293–443. *Flora of southern Africa*. Botanical Research Institute, Pretoria.

- VAN ROOY, J. 1993. Musci. In T.H. Arnold & B.C. de Wet, Plants of southern Africa: names and distribution. *Memoirs of the Botanical Survey of South Africa* No. 62: 17–46.
VAN ROOY, J. & PEROLD, S.M. 1990. New and interesting records of mosses in the *Flora of southern Africa* area: 1. Sphagnaceae–Grimmiaceae. *Bothalia* 20: 211–213.
VAN ROOY, J. & PEROLD, S.M. 1992a. New and interesting records of mosses in the *Flora of southern Africa* area: 2. Gigaspermaceae–Bartramiaceae. *Bothalia* 22: 37.
VAN ROOY, J. & PEROLD, S.M. 1992b. New and interesting records of mosses in the *Flora of southern Africa* area: 3. Miscellaneous acrocarpous taxa. *Bothalia* 22: 195.

J. VAN ROOY*

* National Botanical Institute, Private Bag X101, 0001 Pretoria.
MS received: 1997-02-06.