

NEW RECORDS OF FLOWERING PLANTS FOR SWAZILAND

Two field trips were undertaken by the author to Swaziland, one during March 1993 and the next during January 1994. The purpose of these trips were threefold, namely, for herbarium expansion, secondly as part of the National Plant Collecting Programme, a project of the National Botanical Institute to collect in undercollected sites throughout southern Africa, and thirdly to make an inventory of plant species growing in a proposed dam site.

During March 1993 the first collections were made at the old and new Nkomati bridges, 20 kilometers south of Piggs Peak on the road to Mbabane in the 2631AA quarter degree grid and the second on the north bank of the Nkomati River, east of the Mhlatane River in the 2631AB quarter degree grid. During January 1994 the Masilela and the Malandzela areas, on the Maphalaleni road in the 2631AB quarter degree grid, were visited. On both these visits the following new and interesting records were found.

Bulbostylis barbata (Rottb.) C.B.Clarke (Figure 10, Table 1), is a new record for the *Flora of southern Africa* region. This species is widespread especially in the southern hemisphere. Voucher specimens of *B. barbata* from Zimbabwe, Kenya, Burundi and Ghana are housed at the National Herbarium (PRE).

Table 2 lists plant species collected on both field trips not accounted for in the *Flora of Swaziland* (Compton 1976) and does not include any of the taxa mentioned in Table 1.



FIGURE 10.—Herbarium specimen of *Bulbostylis barbata* (Rottb.) C.B.Clarke, G. Germishuizen 6174 (PRE).

TABLE 1.—List of plant taxa found in Swaziland and not previously recorded in PRECIS at the National Herbarium, Pretoria. Vouchers: G. Germishuizen.
† Germishuizen 1997: 146

Genspec No.†	Taxon	Grid	Voucher	Previously known from*
0471010-1	<i>Bulbostylis barbata</i> (Rottb.) C.B.Clarke	2631AB	6174	Trop. Afr.
4726000-3	<i>Cardiospermum grandiflorum</i> Sw. var. <i>hirsutum</i> (Willd.) Radlk.	2631AA	6004	EC; G; KN; M; N
0990000-4	<i>Chlorophytum aridum</i> Oberm.	2631AA	5978	nKN; M; NP
2574000-4	<i>Cissampelos hirta</i> Klotzsch	2631AB	7229	KN
8598000-2	<i>Citrullus lanatus</i> (Thunb.) Matsum. & Nakai	2631AA	6098	Throughout FSA
3898000-60	<i>Eriosema transvaalense</i> C.H.Stirt.	2631AB	7029; 7248	M; NP
7365000-22	<i>Hemizygia petiolata</i> M.Ashby	2631AA	5982	NP
3702030-10	<i>Indigastrium parviflorum</i> (B.Heyne ex Wight & Arn.) Schrire var. <i>parviflorum</i>	2631AB	6123	Throughout FSA
2376000-46	<i>Limeum viscosum</i> (J.Gay) Fenzl subsp. <i>viscosum</i> var. <i>glomeratum</i> (Eckl. & Zeyh.) Friedrich	2631AA	6049	FS; G; M; NWP
5793000-4	<i>Ludwigia octovalvis</i> (Jacq.) P.H.Raven subsp. <i>sessiliflora</i> (Micheli) P.H.Raven	2631AA	6009	EC,WC, NC; KN; M; NWP
0128000-4	<i>Mohria nudiuscula</i> J.P.Roux	2631AB	7191	Throughout FSA
6787010-14	<i>Pachycarpus grandiflorus</i> (L.f.) E.Mey. var. <i>tomentosus</i> (Schltr.) N.E.Br.	2631AB	6180	KN; M
4299000-21	<i>Phyllanthus myrtaceus</i> Sond.	2631AB	6191	EC; KN
4273000-84	<i>Polygala producta</i> N.E.Br.	2631AA; AB	5927; 6161	M; KN
6778000-24	<i>Schizoglossum bidens</i> E.Mey. subsp. <i>pachyglossum</i> (Schltr.) Kupicha	2631AA	5968	FS; KN; M
6481000-30	<i>Sebaea hymenosepala</i> Gilg	2631AB	7218	s & EC
7568000-63	<i>Selago elongata</i> Hilliard	2631AB	7203	nKN
3536020-3	<i>Senna didymobotrya</i> (Fresen.) Irwin & Barneby	2631AA	6010	KN; N; NP
3718000-132	<i>Tephrosia villosa</i> (L.) Pers. subsp. <i>ehrenbergiana</i> (Schweinf.) Brummitt	2631AA	6083	G; M; N; NP; NWP
0183100-11	<i>Thelypteris pozoi</i> (Lag.) Morton	2631AA	6045	E, s & WC; KN; M; NP
2118000-28	<i>Thesium cornigerum</i> A.W.Hill	2631AA	5925	KN
2118000-77	<i>Thesium gracile</i> A.W.Hill	2631AA	5992	NP
2118000-119	<i>Thesium multiramulosum</i> Pilg.	2631AA	6035	G; M; NP; KN
8668000-1	<i>Wahlenbergia abyssinica</i> (Hochst. ex A.Rich.) Thulin subsp. <i>abyssinica</i>	2631AB	7157	KN

* EC, Eastern Cape; FSA, Flora of southern Africa; FS, Free State; G, Gauteng; KN, KwaZulu-Natal; MP, Mpumalanga; N, Namibia; NC, Northern Cape; NP, Northern Province; NWP, North-West Province; Trop. Afr., Tropical Africa; WC, Western Cape; n, northern; s, southern.

TABLE 2.—List of plant taxa collected in Swaziland and not included in the *Flora of Swaziland* (R.H. Compton 1976). Vouchers: G. Germishuizen.
† Germishuizen 1997: 146

Genspec No.†	Taxon	Grid	Voucher
8795000-2	<i>Ageratum houstonianum</i> Mill.	2631AB	6173
2335000-6	<i>Alternanthera sessilis</i> (L.) DC.	2631AA	6053
0899000-3	<i>Aneilema brunneospermum</i> Faden	2631AA; AB	5953; 6176
0471010-11	<i>Bulbostylis hispidula</i> (Vahl) R.W.Haines	2631AB	6143; 7047; 7189
8541000-13	<i>Cephalaria pungens</i> Szabó	2631AB	6138
3536010-14	<i>Chamaecrista stricta</i> E.Mey.	2631AB	6112
0896000-16	<i>Commelina diffusa</i> Burm.f. subsp. <i>scandens</i> (C.B.Clarke) Oberm.	2631AA	6062
8136070-1	<i>Conostomium natalense</i> (Hochst.) Bremek. var. <i>glabrum</i> Bremek.	2631AB	6105
3168000-210	<i>Crassula lanceolata</i> (Eckl. & Zeyh.) Endl. ex Walp. subsp. <i>lanceolata</i>	2631AB	7180
8599000-33	<i>Cucumis zeyheri</i> Sond.	2631AA	6076
3807000-28	<i>Desmodium tortuosum</i> (Sw.) DC.	2631AA	6075
7780000-2	<i>Dicerocaryum senecioides</i> (Klotzsch) Abels subsp. <i>senecioides</i>	2631AA	5987
9900890-37	<i>Digitaria longiflora</i> (Retz.) Pers.	2631AA	5949A
9282000-1	<i>Flaveria bidentis</i> (L.) Kuntze	2631AB	6115
8435000-1	<i>Galopina aspera</i> (Eckl. & Zeyh.) Walp.	2631AA	5984
1311000-53	<i>Gladiolus densiflorus</i> Baker	2631AB	6100
2338000-1	<i>Gomphrena celosioides</i> Mart.	2631AA	6006
9006000-358	<i>Helichrysum rugulosum</i> Less.	2631AB	7205
3702000-20	<i>Indigofera amitina</i> N.E.Br.	2631AA	5924
3702000-175	<i>Indigofera filipes</i> Benth. ex Harv.	2631AA	5936
3702000-392	<i>Indigofera spicata</i> Forssk. var. <i>spicata</i>	2631AB	6128
6991000-2	<i>Jacquemontia tamnifolia</i> (L.) Griseb.	2631AB	6142
8136000-23	<i>Kohautia virgata</i> (Willd.) Bremek.	2631AA; AB	6030; 6190; 7180
1556000-6	<i>Liparis remota</i> J.L.Stewart & Schelpe	2631AB	7192
5793000-5	<i>Ludwigia octovalvis</i> (Jacq.) P.H.Raven subsp. <i>octovalvis</i>	2631AA	5935
3910020-5	<i>Macrotyloma maranguense</i> (Taub.) Verdc.	2631AB	6122
0459030-21	<i>Mariscus keniensis</i> (Kük.) Hooper	2631AB	6055
7522010-5	<i>Melanospermum swazicum</i> Hilliard	2631AB	7237
7377000-1	<i>Nicandra physalodes</i> (L.) Gaertn.	2631AA	5958
8136200-16	<i>Oldenlandia corymbosa</i> L. var. <i>caespitosa</i> (Benth.) Verdc.	2631AA	5999
1089000-4	<i>Ornithogalum annae-ameliae</i> U. & D.Müll.-Doblies	2631AB	7193; 7249
2204000-18	<i>Oxygonum dregeanum</i> Meisn. subsp. <i>lanceolatum</i> Germish.	2631AB	7035
2455000-1	<i>Polycarpaea corymbosa</i> (L.) Lam. var. <i>corymbosa</i>	2631AB	5960
8992050-2	<i>Pseudognaphalium oligandrum</i> (DC.) Hilliard & B.L.Burt	2631AB	7200
4594000-152	<i>Rhus rehmanniana</i> Engl. var. <i>rehmanniana</i>	2631AA	6014
4594000-190	<i>Rhus transvaalensis</i> Engl.	2631AA; AB	6011; 7128
6778000-21	<i>Schizoglossum bidens</i> E.Mey. subsp. <i>galpinii</i> (Schltr.) Kupicha	2631AB	7186
9411000-272	<i>Senecio madagascariensis</i> Poir.	2631AA; AB	6002; 7236; 7246
3536020-18	<i>Senna septemtrionalis</i> (Viv.) Irwin & Barneby	2631AA	6012
7777000-21	<i>Sesamum triphyllum</i> Welw. ex Asch. var. <i>triphyllum</i>	2631AA	5986
9595000-10	<i>Sonchus integrifolius</i> Harv. var. <i>integrifolius</i>	2631AB	7228
9595000-23	<i>Sonchus wilmsii</i> R.E.Fr.	2631AB	6127
8475000-2	<i>Spermacoce natalensis</i> Hochst.	2631AA	6069
8475000-4	<i>Spermacoce senensis</i> (Klotzsch) Hiern	2631AB	6172
7281000-55	<i>Stachys natalensis</i> Hochst. var. <i>natalensis</i>	2631AB	6182; 7022
3718000-15	<i>Tephrosia brummittii</i> Schrire	2631AA; AB	5973; 6148; 7234

In conclusion it can be seen from both the tables that there is still a strong need to collect in Swaziland and secondly that there is a need to update the *Flora of Swaziland*.

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