

A checklist of the flowering plants and ferns of Swartboschkloof, Jonkershoek, Cape Province

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ABSTRACT

A list of flowering plants and ferns of Swartboschkloof is presented. This list represents a combination of species recorded in Van der Merwe (1966), Werger, Kruger & Taylor (1972), McDonald (1983, 1985) and specimens collected from Swartboschkloof housed in the Government Herbarium, Stellenbosch (STE) and the Wicht Herbarium, Jonkershoek (JF). The checklist is analysed and the flora of Swartboschkloof compared with the respective floras of Cape Hangklip and Cape Point (*sensu* Taylor 1985).

UITTREKSEL

'n Lys van blomplante en varings van Swartboschkloof word verskaf. Hierdie lys verteenwoordig 'n kombinasie van spesies aangeteken in Van der Merwe (1966), Werger, Kruger & Taylor (1972), McDonald (1983, 1985) en eksemplare wat in Swartboschkloof versamel is en in die Staatsherbarium, Stellenbosch (STE) en die Wicht-herbarium, Jonkershoek (JF) gehuisves word. Die kontrolelys word ontleed en die flora van Swartboschkloof word met die onderskeie floras van Kaap Hangklip en Kaappunt (*sensu* Taylor 1985) vergelyk.

INTRODUCTION

Checklists, although cumbersome to publish, have proved valuable to workers involved in vegetation research as well as to phytogeographers in their attempts to determine the relationships within and between different floras (Kruger & Taylor 1979; Taylor 1979). C. Boucher and H.C. Taylor (pers. comms) have indicated that there has been much demand for checklists compiled by themselves (Boucher 1977; Taylor 1955, 1985) and by Olivier (1979, 1983).

This list has been compiled in order to facilitate identification of plant taxa encountered during the intensive research being undertaken at Swartboschkloof (cf. McDonald 1985, Van Wilgen *et al.* 1986). It will also serve as a record of species found since the last fire in Swartboschkloof (1958) and before the controlled burn of the 17th March 1987. Careful plant collecting after the fire will probably lead to a number of additions to the list of species, particularly of geophytic taxa.

STUDY AREA

Details of the location and physiography of the study site are given in McDonald (1983, 1985, 1988).

METHODS

The Government Herbarium, Stellenbosch (STE) and the Wicht Herbarium, Jonkershoek (JF), which are thought to house most of the plant specimens collected at Swartboschkloof, were systematically searched (by M. Morley) for all specimens collected in the area. Lists were

made of species names with their respective collectors' names and numbers for future inclusion in a master list.

The checklist presented here is based 1, on the collections made by the senior author; 2, on collections made by Van der Merwe (1966); 3, on species contained in the Braun-Blanquet tables of Werger, Kruger & Taylor (1972) and of McDonald (1983); 4, on specimens collected by other collectors and 5, field specimens ('ecoscraps') collected by the senior author. Where 'voucher' specimens are not indicated, taxa were identified in the field and noted as 'field observations'.

In the checklist, the collection numbers of herbarium specimens collected by the senior author (housed in STE) are indicated in parentheses e.g. (797); numbers in square brackets e.g. [910/2] refer to field herbarium specimens ('ecoscraps') housed at the Botanical Research Unit, Stellenbosch. Cited collections made by other collectors are given in the format: (Van der Merwe, P. 25). Where no voucher specimens have been collected or elected from existing herbarium specimens, [S.R.] is used to denote 'site record'. If the source of information is a publication only, the author and publication date are quoted in square brackets e.g. [Van der Merwe, P. 1966]. Species marked with an asterisk (*) are those species included in the Braun-Blanquet tables presented by McDonald (1983).

The list has been updated as far as possible following Gibbs Russell *et al.* (1984, 1985, 1987). In the few cases where discrepancies exist between the latter three publications and Bond & Goldblatt (1984), the names used by Bond & Goldblatt (1984) have been quoted (except for the Liliaceae) because this publication pertains to the Cape Flora in particular. Recent revisions such as that of the Restionaceae (Linder 1984, 1985) and the tribe Psoraleeae (Papilionoideae, Fabaceae) by Stirton (1986) have also been taken into account in the final preparation of the checklist.

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TABLE 1. — Analysis of the indigenous vascular plant flora of Swartboschkloof. Values in parentheses are from Van der Merwe (1966)

	Pteridophytes		Gymnosperms		Monocots		Dicots		Total
	No.	% of total	No.	% of total	No.	% of total	No.	% of total	
Family	9 (7)	11	2(2)	2,5	12 (10)	15	58 (50)	72	81 (69)
Genus	14(13)	5	2(2)	0,73	88 (72)	32,5	167(150)	62	271(237)
Species	20(14)	3,0	2(2)	0,3	217(145)	33,3	412(301)	63,3	651(462)

RESULTS AND DISCUSSION

A total of 651 vascular plant species have been recorded from Swartboschkloof. This total exceeds that recorded by Van der Merwe (1966) by 192 species. This increase may be attributed to factors such as the following: (i) the area currently included in Swartboschkloof is 3,73 km² compared with the 1,82 km² surveyed by Van der Merwe (1966); (ii) more general plant collecting has taken place since Van der Merwe's survey; (iii) plant collecting has taken place through the successional stages of the vegetation since the fire in 1958, leading to a 'sample' well representative of Swartboschkloof over the past 28 years.

An analysis of the flora of Swartboschkloof is given in Table 1; figures from Van der Merwe's (1966) survey are given in parentheses. A comparison of the latter figures and those of the present record show that except for the gymnosperms there has been an increase in the number of families, genera and species recorded. Taylor (1985) comments on the higher ratio of monocot to dicot species at Cape Point (1:1,65) compared with equivalent ratios for the Cape Peninsula (1:2,02) and at Cape Hangklip (1:2,0). The ratio of monocot to dicot species for Swartboschkloof (1:1,89) falls at the mean values for the ratios quoted above.

The species recorded from Swartboschkloof represent 48% of the total number of species (1353) recorded for Jonkershoek State Forest as a whole (P. Brown pers. comm.), an area covering about 45 km² (Taylor 1979; Kruger & Taylor 1979). The flora of Swartboschkloof, which occupies about eight per cent of the total area of Jonkershoek, may therefore be considered to be fairly rich. However, most of the species found in Swartboschkloof are also found in other parts of Jonkershoek — only one endemic species, *Heliophila cuneata* Marais, is known from Swartboschkloof. The *beta* diversity (between-habitat diversity) for Swartboschkloof is therefore considered to be low in relation to Jonkershoek as a whole. This suggests a relatively low number of habitats in Swartboschkloof as compared to Jonkershoek.

The species record for Swartboschkloof has been analysed following the approach of Boucher (1977) and Taylor (1979, 1985) to enable comparisons to be made between the floras of Swartboschkloof, the Cape Hangklip area and Cape Point. The twelve plant families contributing one per cent or more to the total number of species at Swartboschkloof are arranged from best to least represented in Table 2. The family contributing the highest percentage (Asteraceae) is given the ranked value of one and the Apiaceae, with the lowest contribution, the ranked value of 12 in Table 3.

Comparison of the ranking of the families for Swartboschkloof, Cape Hangklip and Cape Point (Table 3) shows that the Asteraceae is best represented, a phenomenon documented by Taylor (1979). The Poaceae make a greater contribution at Swartboschkloof than in the other two areas. This may be significant but a reason for it is not ventured. The Restionaceae and Iridaceae are both moderately well represented at Swartboschkloof and Cape Hangklip whereas at Cape Point the Iridaceae rank very highly and the Restionaceae are of lesser significance. Taylor (1985) demonstrates the better representation of the Iridaceae and Cyperaceae at Cape Point compared with Cape Hangklip, so it is not unexpected that this should also be the case when the ranking of these two families at Cape Point and Swartboschkloof is compared. At Cape Hangklip the Ericaceae is well represented (Boucher 1977) whereas it makes a smaller contribution at Cape Point and Swartboschkloof. The Liliaceae, Orchidaceae, Proteaceae, Scrophulariaceae and Apiaceae show no significant differences in pattern of occurrence between the three areas in question.

At Swartboschkloof only two genera have 15 species or more (Table 4) compared with nine at Cape Point and 14 at Cape Hangklip. At the generic level *Erica* makes the greatest contribution in all three areas. Further ranking of genera at Swartboschkloof shows little correlation with species abundance in the listed genera for the other two areas. *Ficinia* and *Tetraria* have relatively low species occurrence at Swartboschkloof compared with their occurrence at Cape Hangklip and Cape Point which substantiates the above-mentioned statement by Taylor (1985) on the high ranking of Cyperaceae at Cape Point.

Three introduced (alien) *Pinus* species have been recorded at Swartboschkloof namely, *Pinus halepensis* Mill., *P. pinaster* Ait. and *P. radiata* D. Don, but all in

TABLE 2. — Synopsis of families whose species contribute 1% or more towards the total number of species, together with the total number of genera in each family

Family	Species		Genera	
	No.	% of total	No.	% of total
Asteraceae	106	16,3	41	15,2
Poaceae	51	7,8	21	7,7
Fabaceae	50	7,7	13	4,8
Restionaceae	46	7,1	13	4,8
Iridaceae	42	6,5	15	5,5
Ericaceae	30	4,6	5	1,8
Cyperaceae	27	4,1	8	3,0
Liliaceae	20	3,1	13	4,8
Scrophulariaceae	16	2,4	11	4,0
Orchidaceae	15	2,3	6	2,2
Proteaceae	14	2,0	7	2,6
Apiaceae	11	1,7	5	1,8

TABLE 3.—Ranking of the plant families of Swartboschkloof (SBK) according to abundance of species in each (1 = highest to 12 = lowest) compared with similar ranking for the plant families of Cape Point (CP) and Cape Hangklip (HKL)

Family	SBK	Area CP	HKL
Asteraceae	1	1	1
Poaceae	2	5	7
Fabaceae	3	4	3
Restionaceae	4	6	4
Iridaceae	5	2	5
Ericaceae	6	8	2
Cyperaceae	7	3	6
Liliaceae	8	9	11
Scrophulariaceae	9	12	12
Orchidaceae	10	7	9
Proteaceae	11	11	8
Apiaceae	12	14	13

low numbers. *Passiflora* sp. (cf. *quadrangularis* L.) has been recorded in the forest, due probably to dispersal into the area by birds. *Pittosporum undulatum* Vent. has so far been recorded at only one site in Swartboschkloof (D.M. Richardson pers. comm.) despite its extensive spreading in the Jonkershoek Valley through bird distribution (Richardson & Brink 1985). A number of stands of *Hakea sericea* Schrad. have also been located as well as one individual of *Acacia longifolia* (Andr.) Willd.; both species are aggressive invaders. These exotic species have not been included in the checklist.

CONCLUSIONS

Even though analysis of species diversity is not an objective of this paper, the analysis of the Swartboschkloof checklist presented here does add to the inventories of species upon which diversity studies such as that of Kruger & Taylor (1979) are based. Similarity coefficients between the floras of the three areas discussed, viz. Cape Hangklip, Cape Point and Swartboschkloof, have not been calculated. However, comparison of the respective floras with each other achieves the objective of placing the flora of Swartboschkloof into perspective in relation to the floras of other well studied areas of the Cape fynbos.

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TABLE 4.—Genera with ten or more species in descending order of abundance

Genus	No. of species		
	SBK	CP	HKL
<i>Erica</i>	27	38	98
<i>Aspalathus</i>	19	22	35
<i>Cliffortia</i>	14	17	19
<i>Helichrysum</i>	14	10	16
<i>Senecio</i>	14	19	22
<i>Pentaschistis</i>	13	12	16
<i>Restio</i>	12	18	36
<i>Tetralia</i>	11	19	15
<i>Ficinia</i>	10	26	27

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CHECKLIST

The collection numbers of herbarium specimens collected by the senior author (housed in STE) are indicated in parentheses e.g. (797); numbers in square brackets e.g. [910/2] refer to field herbarium specimens ('ecoscraps') housed at the Botanical Research Unit, Stellenbosch. Cited collections made by other collectors are given in the format: (Van der Merwe, P. 25). Where no voucher specimens have been collected or elected from existing herbarium specimens, [S.R.] is used to denote 'site record'. If the source of information is a publication only, the authors and publication date are quoted in square brackets e.g. [Van der Merwe, P. 1966]. Species marked with an asterisk (*) are those species included in the Braun-Blanquet tables presented by McDonald (1983). Synonyms are in italics.

PTERIDOPHYTA

LYCOPODIACEAE

Lycopodium carolinianum L. (Van der Merwe, P. 2024)

OSMUNDACEAE

Todea barbara (L.) T. Moore [951/20]*

SCHIZAEACEAE

Anemia simii Tardieu emend. Alston [910/3]

Mohria caffrorum (L.) Desv. [807/35]*

Schizaea

pectinata (L.) Swartz [S.R.]*

tenella Kaulf. (Kruger, F.J. 1051)

GLEICHENIACEAE

Gleichenia polypodioides (L.) J.E. Sm. (Wicht, C.L. 2)

DENNSTAEDTIACEAE

Pteridium aquilinum (L.) Kuhn [S.R.]*

ADIANTACEAE

Cheilanthes contracta Mett. ex Kuhn [938/41]

Pellaea

calomelanos (Swartz) Link [S.R.]*

hastata (L.f.) Link (Wicht, C.L. 454)

pteroides (L.) Prantl [S.R.]*

Pteris dentata Forssk. (Gillett, J.B. 4057)

ASPLENIACEAE

Asplenium

aethiopicum (Burm. f.) Becherer [944/19]*

adiantum-nigrum L. [960/14]*

Ceterach cordatum (Thunb.) Desv. (Adamson, R.S. 3998)

ASPIDIACEAE

Rumohra adiantiformis (G. Forst.) Ching [S.R.]

BLECHNACEAE

Blechnum

australe L. (Gillett, J.B. 4056)*

capense (L.) Schlecht. (Adamson, R.S. 4058)

punctulatum Swartz [948/15]*

GYMNOSPERMAE

PODOCARPACEAE

Podocarpus elongatus (Ait.) L'Hérit. ex Pers. (Adamson, R.S. 3977)*

CUPRESSACEAE

Widdringtonia nodiflora (L.) Powrie (Van der Merwe, P. 1299)*

ANGIOSPERMAE — MONOCOTYLEDONAE

POACEAE

Imperata cylindrica (L.) Raeuschel [Van der Merwe, P. 1966]

Andropogon appendiculatus Nees (Adamson, R.S. 4019)

Cymbopogon marginatus (Steud.) Stapf ex Burt Davy (Van der Merwe, P. 2428)*

Hyparrhenia hirta (L.) Stapf [Van der Merwe, P. 1966]

Heteropogon contortus (L.) Roem. & Schult. (832)

Themeda triandra Forssk. (Van der Merwe, P. 22–65 & 24–15)*

Pennisetum

clandestinum Chiov. [Van der Merwe, P. 1966]

macrourum Trin. (Van der Merwe, P. 24–1)

thunbergii Kunth (Smith, R.D. 1000)

Ehrharta

bulbosa J.E. Sm. (Adamson, R.S. 3895)

calycina J.E. Sm. (Adamson, R.S. 3971)

dura Nees ex Trin. (Van Rensburg, W.L.J. 8)*

erecta Lam. [994/22]*

longifolia Schrad. (Van der Merwe, P. 2042)

ottonis Kunth ex Nees [Van der Merwe, P. 1966]

ramosa (Thunb.) Thunb. var. *aphylla* (Schrad.) Gluckman (Adamson, R.S. 3969)*

setacea Nees ex Trin. (Van Rensburg, W.L.J. 215)

Anthoxanthum tongo (Trin.) Stapf (Van Rensburg, W.L.J. 190)

Poagrostis pusilla (Nees) Stapf (Van der Merwe, P. 23–95)

Helictotrichon dodii (Stapf) Schweick. [Van der Merwe, P. 1966]

Merxmuellera

cincta (Nees) Conert [S.R.]*

lupulina (Thunb.) Conert [823/16]*

rufa (Nees) Conert [Van der Merwe, P. 1966]

stricta (Schrad.) Conert (Van der Merwe, P. 2071 & 24–59)*

Pentaschistis

ampla (Nees) McClean [853/25]*

aspera (Thunb.) Stapf [886/23]*

malouinensis (Steud.) Clayton (Van der Merwe, P. 2063)

(*steudelii* (Nees) McClean)*

angustifolia (Nees) Stapf (Van Rensburg, W.L.J. 35)

aristoides (Thunb.) Stapf [828/29]*

aurea (Steud.) McClean (Van Rensburg, W.L.J. 233)

capensis (Nees) Stapf [871/24]*

colorata (Steud.) Stapf [887/4]*

curvifolia (Schrad.) Stapf [884/31]*

densifolia (Nees) Stapf (Van Rensburg, W.L.J. 42)

pallescens (Schrad.) Stapf (818)

thunbergii (Kunth) Stapf (Van der Merwe, P. 2107)

tortuosa (Trin.) Stapf (Van der Merwe, P. 24–62)

Pentameris

macrocalycina (Steud.) Schweick. [846/15]*

thuarii Beauv. (816)

Stipagrostis zeyheri (Nees) De Winter (Kruger, F.J. 1564)

Aristida

canescens Henr. subsp. *canescens* (Van der Merwe, P. 24–60)

junciformis Trin. & Rupr. [S.R.]*

Eragrostis curvula (Schrad.) Nees (Van der Merwe, P. 24–63)

Cynodon dactylon (L.) Pers. [Van der Merwe, P. 1966]

Lasiochloa echinata (Thunb.) Adamson [Van der Merwe, p. 1966]

Plagiochloa

acutiflora (Nees) Adamson & Sprague (Van der Merwe, P. 2112)

alternans (Nees) Adamson & Sprague (Van der Merwe, P. 2050)

brachystachya (Nees) Adamson & Sprague (Van Rensburg,

W.L.J. 255)

uniolae (L.f.) Adamson & Sprague (Van der Merwe, P. 2049)

var. *villosa* (Stapf) Adamson [Van der Merwe, P. 1966]

Briza maxima L. [Van der Merwe, P. 1966]

CYPERACEAE

Carpha glomerata (Thunb.) Nees (824)*

Ficinia

bergiana Kunth [940/16]*

deusta (Berg.) Levyns [819/11]*

ecklonea (Steud.) Nees [S.R.]

fascicularis Nees (Van der Merwe, P. 20–96)

filiformis (Lam.) Schrad. [903/19]*

grandiflora Arnold & Gordon-Gray (Van der Merwe, P. 22–62)*

indica (Lam.) Pfeiffer var. *indica* [819/11]

monticola Kunth (Van der Merwe, P. 2145)

nigrescens (Schrad.) J. Raynal (799)*

trichodes (Schrad.) Benth. & Hook. f. [948/19]*

Scirpus venustus Boeck. [S.R.]

Isolepis digitata Schrad. (Van der Merwe, P. 23–34)

Tetraria

bromoides (Lam.) Pfeiffer (Borchardt, E.J. J364)*

burmannii (Schrad.) C.B. Cl. [928/8]*

capillacea (Thunb.) C.B. Cl. [834/29]*

crassa Levyns [824/33]

cuspidata (Rottb.) C.B. Cl. [S.R.]*

fasciata (Rottb.) C.B. Cl. (638)*
 fimbriolata (Nees) C.B. Cl. [S.R.]
 flexuosa (Thunb.) C.B. Cl. [S.R.]*
 involucreta (Rottb.) C.B. Cl. [932/7]*
 picta (Boeck.) C.B. Cl. (Van der Merwe, P. 21–46)
 sylvatica (Nees) C.B. Cl. [S.R.]*
 ustulata (L.) C.B. Cl. [924/9]*
 Neesenbeckia punctoria (Vahl) Levyns*
 Chrysithrix capensis L. var. capensis (Wicht, C.L. J612)
 Schoenoxiphium lanceum (Thunb.) Kuekenh. (829) (Kobresia lancea (Thunb.) Koyama)*

ARACEAE

Zantedeschia aethiopica (L.) Spreng. [S.R.]*

RESTIONACEAE

Staberoha cernua (L. f.) Dur. & Schinz (Walgate, M.M. 963)*
 Ischyrolepis
 cincinnata (Mast.) Linder [Van der Merwe, P. 1966]
 curviramis (Kunth) Linder (Walgate, M.M. 991)
 capensis (L.) Linder (802) (Restio cuspidatus Thunb.)*
 gauchichaudiana (Kunth) Linder (Van der Merwe, P. 2147)
 (Restio gauchichaudianus Kunth)*
 sieberi (Kunth) Linder (637) (Restio sieberi Kunth)*
 subverticillata Steud. (655) (Restio subverticillatus (Steud.) Mast.)*

Elegia

asperiflora (Nees) Kunth [S.R.]*
 capensis (Burm. f.) Schelpe (815)*
 fistulosa Kunth [Van der Merwe, P. 1966]
 juncea L. (Kruger, E.F. 112)*
 neesii Mast. [S.R.]*
 racemosa (Poir.) Pers. [Werger et al. 1972]
 spathacea Mast. (Van der Merwe, P. 2143)
 thysifera (Rottb.) Pers. [Werger et al. 1972]*

Chondropetalum

ebracteatum (Kunth) Pillans [Van der Merwe, P. 1966]
 hookerianum (Mast.) Pillans (Van der Merwe, P. 2092)
 mucronatum (Nees) Pillans (Van der Merwe, P. 21–85)
 Askidiosperma paniculatum (Mast.) Linder (Van der Merwe, P. 21–76)
 Platycaulos depauperatus (Kunth) Linder (Esterhuysen, E. 34607)
 (Restio depauperatus Kunth)*

Restio

bifarius Mast. (Van der Merwe, P. 2089)
 bifidus Thunb. [Van der Merwe, P. 1966]
 bolusii Pillans (Van der Merwe, P. 2082)
 echinatus Kunth [Van der Merwe, P. 1966]
 filiformis Poir. (656)*
 leptostachyus Kunth (833)
 multiflorus Spreng. (Walgate, M.M. 980)
 perplexus Kunth (Walgate, M.M. 990)*
 quadratus Mast. (Walgate, M.M. 995)
 sarocladius Mast. (Van der Merwe, P. 2085)
 triticeus Rottb. [809/10]*
 versatilis Linder [Van der Merwe, P. 1966]

Calopsis

esterhuyseniae (Pillans) Linder [S.R.]
 membranacea (Pillans) Linder (Van der Merwe, P. 2083) (Leptocarpus membranaceus Pillans)*
 paniculata (Rottb.) Desv. [S.R.] (Leptocarpus paniculatus (Rottb.) Mast.)*
 rigida (Mast.) Linder [Van der Merwe, P. 1966]
 viminea (Rottb.) Linder [S.R.]

Thamnochortus

cinereus Linder (Adamson, R.S. 3970)
 dichotomus (Rottb.) R. Br. [884/29]*
 fruticosus Berg. [804/36]*
 gracilis Mast. [904/5]*
 lucens (Poir.) Linder (635)
 Cannomois virgata (Rottb.) Steud. (Van der Merwe, P. 2074)*
 Hypodiscus
 albo-aristatus Mast. (Van der Merwe, P. 2086)*
 aristatus (Thunb.) Krauss (Van der Merwe, P. 2097)*
 willdenowia (Nees) Mast. (Van der Merwe, P. 20101)
 Willdenowia sulcata Mast. [946/22]*

JUNCACEAE

Juncus
 capensis Thunb. (Van der Merwe, P. 2075)

cephalotes Thunb. (Van Rensburg, W.L.J. 55)
 effusus L. [Van der Merwe, P. 1966]
 lomatophyllus Spreng. (Haynes, R.A. 1246)

LILIACEAE

Onixotis punctata (L.) Mabblerley (Van der Merwe, P. 22–92)
 Wurmbea spicata (Burm. f.) Dur. & Schinz [Van der Merwe, P. 1966]
 Bulbinella triquetra (L. f.) Kunth [S.R.]
 Bulbine tuberosa (Mill.) Oberm. [S.R.]
 Trachyandra
 hirsuta (Thunb.) Kunth [S.R.]
 muricata (L. f.) Kunth (Haynes, R.A. 984)
 Chlorophytum rigidum Kunth (Kruger, E.F. 100)
 Caesia contorta (L. f.) Dur. & Schinz [801/18]*
 Aloe mitriformis Mill. (Van der Merwe, P. 25–16)*
 Agapanthus africanus (L.) Hoffmg. (Durand, B.J. 2)*
 Albuca canadensis (L.) Leighton (795)
 Ornithogalum hispidum Hornem. subsp. bergii (Schlechtld.) Oberm. (Van der Merwe, P. 24–20)
 Lachenalia
 aloides (L. f.) Hort. ex Aschers. & Graebn. (Durand, B.J. 90)
 orchioides (L.) Ait. (Van der Merwe, P. 2354)
 Protasparagus
 compactus (Salter) Oberm. [806/6]*
 retrofractus L. (Van Rensburg, W.L.J. s.n.)
 rigidus (Jessop) Oberm. [Van der Merwe, P. 1966]
 rubicundus (Berg.) Oberm. (Van Rensburg, W.L.J. 269)*
 Myrsiphyllum
 asparagoides (L.) Willd. [879/30]*
 scandens (Thunb.) Oberm. [916/6]*

HAEMODORACEAE

Dilatris corymbosa Berg. [Van der Merwe, P. 1966]
 Wachendorfia
 brachyandra W.F. Barker (Van der Merwe, P. 22–71)
 paniculata Burm. [Van der Merwe, P. 1966]

AMARYLLIDACEAE

Haemanthus
 coccineus L. [Van der Merwe, P. 1966]
 sanguineus Jacq. [Van der Merwe, P. 1966]
 Boophane guttata (L.) Herb. [Van der Merwe, P. 1966]
 Nerine sarniensis (L.) Herb. [Van der Merwe, P. 1966]
 Cyrtanthus ventricosus (Jacq.) Willd. (Kleyn, D. J50)

HYPOXIDACEAE

Empodium plicatum (Thunb.) Garside [Van der Merwe, P. 1966]
 Spiloxene capensis (L.) Garside [Van der Merwe, P. 1966]

TECOPHILAEACEAE

Cyanella hyacinthoides L. (Kruger, E.F. 98)

IRIDACEAE

Romulea
 gracillima Bak. (Lewis, G.J. 58956)
 rosea (L.) Eckl. [Van der Merwe, P. 1966]
 triflora (Burm. f.) N.E. Br. (Borchardt, E.J. J65)
 Moraea
 gawleri Spreng. (Lewis, G.J. 58943)
 lugubris (Salisb.) Goldbl. [Van der Merwe, P. 1966]
 tripetala (L. f.) Ker-Gawl. (Van der Merwe, P. 22–73)
 unguiculata Ker-Gawl. (Durand, B.J. 89)
 Bobartia
 gladiata (L. f.) Ker-Gawl. [824/35]*
 indica L. [S.R.]*
 Aristeia
 africana (L.) Hoffmg. (787)
 major Andr. (Van der Merwe, P. 23–93)*
 Geissorhiza
 aspera (Berg.) Goldbl. (823)
 bolusii Bak. (846)
 juncea (Link) A. Dietr. (Lewis, G.J. 58954)
 ovata (Burm. f.) Aschers. & Graebn. (Lewis, G.J. 58952)
 umbrosa G.J. Lewis (Borchardt, E.J. J119)
 Ixia
 sp. cf. flexuosa L. (Hubbard, C.S. J129)
 maculata L. [Van der Merwe, P. 1966]
 polystachya L. (Haynes, R.A. 870)
 var. lutea (Ker-Gawl) G.J. Lewis (Kruger, E.F. 94)
 var. polystachya (Wicht, C.L. 55829)

- Tritonia crispa* (L. f.) Ker-Gawl. (Van der Merwe, P. 24–75)
Chasmanthe aethiopica (L.) N.E. Br. [S.R.]*
Babiana stricta (Ait.) Ker-Gawl. [Van der Merwe, P. 1966]
Gladiolus
blommesteinii L. Bol. [Van der Merwe, P. 1966]
carneus Delaroché (793)
debilis Ker-Gawl. var. *cochleatus* (Sweet) G.J. Lewis (Borchardt, E.J. J182)
debilis Ker-Gawl. var. *debilis* (Lewis, G.J. J181)
gracilis Jacq. [Van der Merwe, P. 1966]
hyalinus Jacq. [Van der Merwe, P. 1966]
martleyi L. Bol. (Kruger, E.F. 163)
punctulatus Schrank (Lewis, G.J. s.n.)
Tritoniopsis
dodii (G.J. Lewis) G.J. Lewis (Van Rensburg, W.L.J. 263)
lata (L. Bol.) G.J. Lewis (Wicht, C.L. J198)
Anapalina triticea (Burm. f.) N.E. Br. (Van der Merwe, P. 2170)
Micranthus
alopecurioides (L.) Rothm. (Van der Merwe, P. 24–19)
tubulosus (Burm.) N.E. Br. (Van der Merwe, P. 24–2)
Thereianthus
lapeyrousioides (Bak.) G.J. Lewis (Van der Merwe, P. 23–94)
spicatus (L.) G.J. Lewis (Van der Merwe, P. 24–43)
Watsonia
angusta Ker-Gawl. [Van der Merwe, P. 1966]
pyramidata (Andr.) Stapf [Van der Merwe, P. 1966]*

ORCHIDACEAE

- Holothrix villosa* Lindl. (Borchardt, E.J. J233)
Schizodium
bifidum (Thunb.) Reichb. f. (Borchardt, E.J. J241)
obliquum Lindl. (Lewis, G.J. 58941)
Disa
draconis (L. f.) Swartz (Borchardt, E.J. J253)
ferruginea (Thunb.) Swartz (Van der Merwe, P. 1301)
filicornis (L. f.) Thunb. (Borchardt, E.J. J296)
patens (L. f.) Thunb. (Borchardt, E.J. J298)
tenuis Lindl. (Wicht, C.L. J281)
uniflora Berg. [Van der Merwe, P. 1966]
Disperis
capensis (L.) Swartz (Van der Merwe, P. 25–51a)
circumflexa (L.) Dur. & Schinz (Wicht, C.L. J286)
villosa (L. f.) Swartz (Wicht, C.L. J288)
Pterygodium
alatum (Thunb.) Swartz (Lewis, G.J. 58939)
catholicum (L.) Swartz (Durand, B.J. 91)
Eulophia litoralis Schltr. (Borchardt, E.J. J312)

ANGIOSPERMAE — DICOTYLEDONAE

MYRICACEAE

- Myrica**
humilis Cham. & Schlecht. (Adamson, R.S. 3986)
serrata Lam. (Van der Merwe, P. 24–24)*

PROTEACEAE

- Brabejum stellatifolium* L. (Van der Merwe, P. 24–93)*
Serruria kraussii Meisn. [Van der Merwe, P. 1966]
Mimetes cucullatus (L.) R. Br. [Van der Merwe, P. 1966]
Protea
acaulos (L.) Reich. [S.R.]*
neriifolia R. Br. [S.R.]*
nitida Mill. (Walters, C.M. 1) [S.R.]*
repens (L.) L. (Van der Merwe, P. 2003)*
Leucospermum
conocarpodendron L. [Van der Merwe, P. 1966]
grandiflorum (Salisb.) R. Br. [Van der Merwe, P. 1966]
lineare R. Br. (Van der Merwe, P. 2041)
Leucadendron
salicifolium (Salisb.) I. Williams (Kerfoot, O. 5875)*
salignum Berg. (591)*
spissifolium (Salisb. ex Knight) I. Williams [900/36]*
Aulax pallasia Stapf (Van der Merwe, P. 2017)

VISCACEAE

- Viscum**
rotundifolium L. f. [802/30]
pauciflorum L. f. [S.R.]*

SANTALACEAE

- Thesium**
capitatum L. (781)
carinatum DC. (Van der Merwe, P. 21–84)
pseudovirgatum Levyns (Adamson, R.S. 3974)
pycnanthum Schltr. [Van der Merwe, P. 1966]
scabrum L. (798)
spinulosum DC. (Van der Merwe, P. 24–8)
strictum Berg. (Van der Merwe, P. 23–14)
virgatum Lam. (804)

BALANOPHORACEAE

- Mystropetalon thomii* Harv. (Haynes, R.A. 1228)

POLYGONACEAE

- Rumex cordatus* Poir. (Adamson, R.S. 3962)

AIZOACEAE

- Pharnaceum**
dichotomum L. f. (Adamson, R.S. 3976)
incanum L. [Van der Merwe, P. 1966]

MESEMBRYANTHEMACEAE

- Lampranthus**
acutifolius (L. Bol.) N.E. Br. [949/11]
 sp. [S.R.]*

CARYOPHYLLACEAE

- Silene undulata* Ait. (847)

RANUNCULACEAE

- Anemone tenuifolia* (L. f.) DC. [S.R.]
Knowltonia
capensis (L.) Huth (Adamson, R.S. 4005)
vesicatoria (L. f.) Sims subsp. *vesicatoria* (853)*

MENISPERMACEAE

- Cissampelos capensis* L. f. (Van der Merwe, P. 2451)

LAURACEAE

- Cassytha ciliolata* Nees [S.R.]*

BRASSICACEAE

- Heliophila**
coronopifolia L. (Taylor, H.C. 10244)
cuneata Marais (831)
scoparia Burch. ex DC. (Van der Merwe, P. 22–30)
Cardamine africana L. (Adamson, R.S. 4007)*

DROSERACEAE

- Drosera**
capensis L. (Van der Merwe, P. 2132)
cistiflora L. [Van der Merwe, P. 1966]
trinervia Spreng. (Walgate, M.M. 966)

CRASSULACEAE

- Crassula**
capensis (L.) Baill. [Van der Merwe, P. 1966]
coccinea L. [951/10]*
dejecta Jacq. (Van der Merwe, P. 2066)
dichotoma L. (Van der Merwe, P. 23–53)
fascicularis Lam. (800)*
flava L. (Kruger, E.F. 93)
nudicaulis L. [957/30]
pellucida L. [948/5]
pruinosa L. [947/30]*

MONTINIACEAE

- Montinia caryophyllacea* Thunb. (Van der Merwe, P. 22–11)*

CUNONIACEAE

- Platylophus trifolius* (L. f.) D. Don (Borchardt, E.J. J525)
Cunonia capensis L. (Van der Merwe, P. 2065)*

BRUNIACEAE

- Nebelia paleacea* (Berg.) Sweet (Van der Merwe, P. 2040)*
Pseudobaeckea cordata (Burm. f.) Niedenzu (Kerfoot, O. 5076)
Brunia nodiflora L. (652)*
Berzelia
abrotanoides (L.) Brongn. [900/42]*

- intermedia (*Diétr.*) *Schlecht.* [1944/26]*
lanuginosa (*L.*) *Brongn.* (Van der Merwe, P. 2046)*

ROSACEAE

Rubus rigidus Sm.

Cliffortia

- atrata *Weim.* (Banks, C.H. J547)
complanata *E. Mey.* [1920/53]
cuneata *Ait.* (Van der Merwe, P. 844)*
dentata *Willd.* (651)*
exilifolia *Weim.* [1945/20]*
graminea *L. f.* (Van der Merwe, P. 24–36)
integerrima *Weim.* [1953/35]
odorata *L. f.* (Van der Merwe, P. 23–05)*
phillipsii *Weim.* (843)
polygonifolia *L.* (Bos, J.J. 282)*
var. pubescens *Weim.* (Van der Merwe, P. 23–06)
var. trifoliata (*L.*) *Harv.* [Van der Merwe, P. 1966]
pterocarpa (*Harv.*) *Weim.* [1923/20]
ruscifolia *L.* (Van der Merwe, P. 23–02)*

FABACEAE

Cyclopia

- galioides (*Berg.*) *DC.* (Floyd, G. J584)
genistoides (*L.*) *R. Br.* var. genistoides (Van der Merwe, P. 23–57)
maculata (*Andr.*) *Kies* (Van der Merwe, P. 22–08)

Podalyria

- biflora *Lam.* (Van der Merwe, P. 23–97)
calyptrata *Willd.* (805)
cuneifolia *Vent.* [Van der Merwe, P. 1966]
myrtillifolia *Willd.* (801)

Priestleya

- elliptica *DC.* [873/42]*
stokoei *L. Bol.* (Bos, J.J. 446)
tomentosa (*L.*) *Druce* [830/28]

Rafnia

- capensis (*L.*) *Druce* [S.R.]
perfoliata *E. Mey.* (Floyd, G. J625)

Aspalathus

- araneosa *L.* (Van der Merwe, P. 22–89)
astroites *L.* [Van der Merwe, P. 1966]
cephalotes *Thunb.* subsp. cephalotes (Van der Merwe, P. 682)
ciliaris *L.* (775)
cordata (*L.*) *Dahlg.* (788)
crenata (*L.*) *Dahlg.* (Floyd, G. J614)
divaricata *Thunb.* (771)
subsp. gracilior *Dahlg.* (Kruger, F.J. 632)
ericifolia *L.* subsp. ericifolia (769)
forbesii *Harv.* [Van der Merwe, P. 1966]
hispida *Thunb.* (Van der Merwe, P. 23–83)
laricifolia *Berg.* (Van der Merwe, P. 2376)
subsp. canescens (*L.*) *Dahlg.* (838)
subsp. laricifolia (Kruger, E.F. 41)
parviflora *Berg.* (Van der Merwe, P. 22–01)
perfoliata (*Lam.*) *Dahlg.* (Floyd, G. J614)
retroflexa *L.* (Floyd, G. J672)
spicata *Thunb.* (Van der Merwe, P. 22–28)
uniflora *Dahlg.* subsp. uniflora (Floyd, G. J664)

Argyrolobium

- filiforme *Eckl. & Zeyh.* (803)
lanceolatum *Eckl. & Zeyh.* (Borchardt, E.J. J680)
lunaris (*L.*) *Druce* [S.R.]

Indigofera

- cytisoides *Thunb.* (Bos, J.J. 1380)
mauritanica (*L.*) *Thunb.* (Van der Merwe, P. 2280)*

Psoralea

- aculeata *L.* (776)*
aphylla *L.* [1902/21]*
monophylla (*L.*) *C.H. Stirton* [830/22]*
oligophylla *Eckl. & Zeyh.* [Van der Merwe, P. 1966]
pinnata *L.* (814)*

Otholobium

- fruticans (*L.*) *C.H. Stirton* (Van Rensburg, W.L.J. 388) (*Psoralea fruticans* (*L.*) *Druce*)*
obliquum (*E. Mey.*) *C.H. Stirton* (773 & 767) (*Psoralea obliqua* *E. Mey.*)*
polystictum (*Benth. ex Harv.*) *C.H. Stirton* [Van der Merwe, P. 1966]
rotundifolium (*L. f.*) *C.H. Stirton* (857) (*Psoralea rotundifolia* *L. f.*)*

- spicatum (*L.*) *C.H. Stirton* (855 & 777) (*Psoralea spicata* *L.*)*
Tephrosia capensis (*Jacq.*) *Pers.* (Kruger, E.F. 114)
Bolusafra bituminosa (*L.*) *Kuntze* (Van der Merwe, P. 22–84)
Rhynchosia totta (*Thunb.*) *DC.* [S.R.]*
Dipogon lignosus (*L.*) *Verdc.* [S.R.]*

GERANIACEAE

Pelargonium

- cucullatum (*L.*) *L'Hérit.* (813)
longifolium (*Burm. f.*) *Jacq.* (Van der Merwe, P. 24–31)
myrrhifolium (*L.*) *L'Hérit.* (Durand, B.J. 92)*
var. coriandrifolium (*L.*) *Harv.* (808)
papilionaceum (*L.*) *L'Hérit.* (Van der Merwe, P. 23–59)
patulum *Jacq.* (809)*
pinnatum (*L.*) *L'Hérit.* (Van der Merwe, P. 2052)
tabulare (*L.*) *L'Hérit.* (Durand, B.J. 4)*
vitifolium (*L.*) *L'Hérit.* (Van der Merwe, P. 23–59)

OXALIDACEAE

Oxalis

- bifida *Thunb.* [S.R.]*
dentata *Jacq.* (Haynes, R. 940)
incarnata *L.* [Van der Merwe, P. 1966]
lanata *L. f.* (636)*
var. rosea *Salter* (Walgate, M.M. 969)
purpurea *L.* [Van der Merwe, P. 1966]
versicolor *L.* [S.R.]*

LINACEAE

Linum

- africanum *L.* (836)
quadrifolium *L.* [804/28]
thunbergii *Eckl. & Zeyh.* (Van der Merwe, P. 24–11)

RUTACEAE

Agathosma

- capensis (*L.*) *Duemmer* (Van der Merwe, P. 10–74)*
crenulata (*L.*) *Pillans* (Bos, J.J. 276)
juniperifolia *Bartl.* (854 & 665)*
serpyllacea *Licht. ex Roem. & Schult.* (Kruger, E.F. 45)*

Adenandra

- marginata (*L. f.*) *Roem. & Schult.* subsp. serpyllacea (*Bartl.*) *Strid* (794)
uniflora (*L.*) *Willd.* [Van der Merwe, P. 1966]
villosa (*Berg.*) *Licht. ex Roem. & Schult.* subsp. villosa (Bos, J.J. 212)

Coleonema juniperinum *Sond.* (Walgate, M.M. 974)*

Diosma hirsuta *L.* (Van der Merwe, P. 23–07)*

POLYGALACEAE

Polygala

- bracteolata *L.* [Van der Merwe, P. 1966]
garcinii *DC.* (664)
pappeana *Eckl. & Zeyh.* [Van der Merwe, P. 1966]

Muraltia

- alba *Levyans* (Rycroft, H.B. 1212)
alopecuroides (*L.*) *DC.* (Kruger, E.F. 97)*
heisteria (*L.*) *DC.* (Kruger, E.F. 90)*
macroceras *DC.* [861/18]*
pauciflora (*Thunb.*) *DC.* (Kruger, F.J. 1009)

EUPHORBIACEAE

Clusia

- alaternoides *L.* (Van der Merwe, P. 21–67)*
var. alaternoides (Wicht, C.L. J886)
var. brevifolia *E. Mey. ex Sond.* (Adamson, R.S. 3933)
polifolia *Jacq.* (Van der Merwe, P. 22–26)
polygonoides *L.* [903/22]*
pterogona *Muell. Arg.* (Van der Merwe, P. 22–64)
rubicaulis *Eckl. ex Sond.* (Van Rensburg, W.L.J. 98)*

Euphorbia

- erythrina *Link* (Adamson, R.S. 3957)
genistoides *Berg.* (807)*

ANACARDIACEAE

Heeria argentea (*Thunb.*) *Meisn.* (Borchardt, E.J. J934)*

Rhus

- angustifolia *L.* (Van der Merwe, P. 25–48)*
rosmarinifolia *Vahl* (Van der Merwe, P. 22–10)*
tomentosa *L.* (Van der Merwe, P. 25–45)*

AQUIFOLIACEAE

Ilex mitis (L.) Radlk. (Van der Merwe, P. 24–44)*

CELASTRACEAE

Maytenus

acuminata (L. f.) Loes. (Bos, J.J. 445)*

oleoides (Lam.) Loes. (864)*

Mauroecnia frangularia (L.) Mill. (Kruger, F.J. 1050)

Hartogiella schinoides (Spreng.) Codd (Taylor, H.C. 7302)*

SAPINDACEAE

Dodonaea angustifolia L. f. (Kruger, F.J. 1617)

RHAMNACEAE

Phyllica

imberbis Berg. (Kruger, E.F. 107)

pubescens Ait. [S.R.]*

var. *angustifolia* Sond. (Bos, J.J. 216)

spicata L. f. (Van Rensburg, W.L.J. 423)*

stipularis L. (Van der Merwe, P. 23–42)

MALVACEAE

Anisodonteia scabrosa (L.) Bates (Van der Merwe, P. 22–96)

Hibiscus aethiopicus L. [S.R.]

STERCULIACEAE

Hermannia hyssopifolia L. (Haynes, R.A. 694)

FLACOURTIACEAE

Kiggelaria africana [913/9]*

PENAEACEAE

Penaea mucronata L. (592)*

OLINIACEAE

Olinia ventosa (L.) Cufod. (779)*

THYMELAEACEAE

Gnidia

anomala Meisn. [821/41]*

decurrens Meisn. (Van der Merwe, P. 863)

harveyiana Meisn. [Van der Merwe, P. 1966]

oppositifolia L. (825)*

Struthiola

ciliata (L.) Lam. (Adamson, R.S. 3964)

subsp. *ciliata* (789)*

confusa C.H. Wr. [Van der Merwe, P. 1966]

longiflora Lam. (Lewis, G.J. 58959)

myrsinites Lam. (Van der Merwe, P. 23–23)

Passerina vulgaris Thoday (819)

MYRTACEAE

Metrosideros angustifolia (L.) J.E. Sm. (Van der Merwe, P. 24–53)

APIACEAE

Centella

calliodus (Cham. & Schlecht.) Drude [818/8]

eriantha (Rich.) Drude (Adamson, R.S. 3995)*

flexuosa (Eckl. & Zeyh.) Drude (Van Rensburg, W.L.J. 2041)*

glabrata L. (Van der Merwe, P. 21–99)*

Sanicula europaea L. (830)*

Lichtensteinia lacera Cham. & Schlecht. [S.R.]*

Annesorrhiza capensis Cham. & Schlecht. [Van der Merwe, P. 1966]

Peucedanum

galbaniopse Wolff [937/17]

galbanum (L.) Benth. & Hook. f. [Van der Merwe, P. 1966]

gummiferum (L.) Wijnands [S.R.] (*Glia gummifera*)*

siberianum Sond. (839)*

ERICACEAE

Erica

abietina L. (Bos, J.J. 279)

articularis L. (Kruger, E.F. 152)*

bicolor Thunb. (Smuts, P.L. 126)

caffra L. [Van der Merwe, P. 1966]

calycina L. (856)*

var. *periplociflora* (Salisb.) H. Bol. (Smuts, P.L. 124)

canescens Wendl. [Van der Merwe, P. 1966]

cerinthoides L. (Smuts, P.L. 133)*

coccinea L. (Van der Merwe, P. 2051)*

corifolia L. [933/28]

cristiflora Salisb. (837)

cristata Dulfer (Kruger, F.J. 657)

curviflora L. (Borchardt, E.J. J1146)*

curvirostris Salisb. (662)*

fastigiata L. (Van Rensburg, W.L.J. 360)

hispidula L. (Smuts, P.L. 127)*

longifolia Ait. (Smuts, P.L. 129)*

lucida Salisb. (Borchardt, E.J. J1182)

lutea Berg. [921/30]

nudiflora L. (Bos, J.J. 1388)*

parviflora L. (Kruger, E.F. 99)

plukenetii L. (770)*

quadrangularis Salisb. (594)

racemosa Thunb. (653)*

sphaeroidea Dulfer (593)*

thimifolia Wendl. (Bos, J.J. 201)

Blaeria dumosa Wendl. [813/26]*

Eremia totta D. Don (663)*

Sympieza articulata (Thunb.) N.E. Br. [918/23]*

Scyphogyne muscosa (Ait.) Steud. [Werger et al. 1972]

MYRSINACEAE

Myrsine africana L. (Bos, J.J. 448)*

Rapanea melanophloeos (L.) Mez (862)*

EBENACEAE

Diospyros

glabra (L.) De Winter (774)*

whyteana (Hiern) F. White [S.R.]*

OLEACEAE

Olea

capensis L. [916/14]

europaea L. subsp. *africana* (Mill.) P.S. Green [913/5]*

GENTIANACEAE

Sebaea exacoides (L.) Schinz (Durand, B.J. 913)

Chironia baccifera L. (Van der Merwe, P. 24–50)*

Villarsia capensis (Houtt.) Merrill (Van der Merwe, P. 23–32)

ASCLEPIADACEAE

Microlooma tenuifolium K. Schum. [955/25]

Asclepias cancellata Burm. f. (Bos, J.J. 1386)

Oncinema lineare (L. f.) Bullock (Kruger, F.J. 1010)

Secamone alpinii Schultes [S.R.]*

CONVOLVULACEAE

Cuscuta nitida E. Mey. ex Choisy [Van der Merwe, P. 1966]

LAMIACEAE

Leonotis leonurus (L.) R. Br. [Van der Merwe, P. 1966]

Salvia

africana-caerulea L. [S.R.]*

chamelaeagnea Berg. [882/11]*

SOLANACEAE

Solanum

retroflexum Dun. [879/40]*

tomentosum L. [Van der Merwe, P. 1966]

SCROPHULARIACEAE (Part A)

Nemesia

acuminata Benth. [948/13]*

barbata Benth. (Borchardt, E.J. 537)

macrocarpa (Ait.) Druce [Van der Merwe, P. 1966]

Halleria

elliptica Thunb. (Bos, J.J. 213)*

lucida L. (Bos, J.J. 450)*

Teedia lucida Rudolphi (Neihuizen, K. 1364)

Oftia africana (L.) Bocq. (827)*

Freylinia lanceolata (L. f.) G. Don (Van der Merwe, P. 2059)*

Manulea

cheiranthus L. [Van der Merwe, P. 1966]

rubra L. (Neihuizen, K. 1371)

Sutera linifolia (Thunb.) Kuntze (Van der Merwe, P. 23–19)

Zaluzianskya dentata Walp. (Bos, J.J. 447)

Bothalia 18,2 (1988)

SELAGINACEAE

Hebenstretia dentata *L.* (Van der Merwe, P. 23–17)

Selago

corymbosa *L.* (Van der Merwe, P. 25–05)quadrangularis *Choisy* [Van der Merwe, P. 1966]serrata *Berg.* [829/20]*spuria *L.* (772 & 817)*Agathelpis dubia (*L.*) *Hutch.* (Van der Merwe, P. 2074)*

SCROPHULARIACEAE (Part B)

Melasma scabrum *Berg.* (Van der Merwe, P. 24–48)Buchnera glabrata *Benth.* [Van der Merwe, P. 1966]

Harveya

capensis *Hook.* (Van der Merwe, P. 2062)laxiflora *Hiern* [Van der Merwe, P. 1966]

LENTIBULARIACEAE

Utricularia capensis *Spreng.* (Van der Merwe, P. 24–29)

RUBIACEAE

Anthospermum

aethiopicum *L.* (Hubbard, C.S. J1426)*ciliare *L.* (Adamson, R.S. 3981)*Carpacoce vaginellata *Salter* [809/19]*

Galium

mucroniferum *Sond.* [829/29]*subvillosum *Sond.* var. subvillosum (Adamson, R.S. 3993)

DIPSACACEAE

Scabiosa columbaria *L.* (Van der Merwe, P. 2056)*

CAMPANULACEAE

Roella ciliata *L.* (Kruger, E.F. 95)*

Prismatocarpus

diffusus (*L. f.*) *A. DC.* (Borchardt, E.J. J1450)*tenerrimus *Buek* [945/24]Wahlenbergia exilis *A. DC.* [Van der Merwe, P. 1966]Lightfootia parvifolia (*Berg.*) *Adamson* (Van der Merwe, P. 21–96)

LOBELIACEAE

Cyphia

bulbosa (*L.*) *Berg.* (Durand, B.J. 95)digitata (*Thunb.*) *Willd.* (Van der Merwe, P. 23–62)volubilis (*Thunb.*) *Willd.* (Van der Merwe, P. 22–56)*

Lobelia

coronopifolia *L.* (Van der Merwe, P. 2005)*jasionoides (*A. DC.*) *E. Wimm.* (Van der Merwe, P. 21–65)

Laurentia

arabidea (*Presl*) *A. DC.* (784)*pygmaea *Sond.* (Van der Merwe, P. 2053)

ASTERACEAE

Corymbium

africanum *L.* [Van der Merwe, P. 1966]congestum *E. Mey.* (835)glabrum *L.* [867/23]*scabrum *L.* [Werger *et al.* 1972]villosum *Less.* [816/26]*

Pteronia

camphorata (*L.*) *L.* (Kruger, E.F. 111)

var. camphorata (797)

Mairea

lasiocarpa *DC.* (Van der Merwe, P. 2118)microcephala (*Less.*) *DC.* (654)*taxifolia *DC.* [Van der Merwe, P. 1966]Polyarrhena reflexa (*L.*) *Cass.* subsp. reflexa (Kruger, F.J. 1053)*

Conyza

scabrida *DC.* (Kerfoot, O. 5855)ulmifolia (*Burm. f.*) *Kuntze* [863/6]

Chrysocoma

coma-aurea *L.* (848)tenuifolia *Berg.* (Van der Merwe, P. 23–45)Brachylaena nerifolia (*L.*) *R. Br.* (780)*Vellereophyton dealbatum (*Thunb.*) *Hilliard & Burt* (Van der Merwe, P. 25–04)Plecostachys polifolia (*Thunb.*) *Hilliard & Burt* (852)

Anaxeton

asperum (*Thunb.*) *DC.* (Van der Merwe, P. 23–43)subsp. pauciflorum *Lundg.* (810)*Helipterum gnaphaloides (*L.*) *DC.* (849)

Helichrysum

asperum (*Thunb.*) *Hilliard & Burt* [903/43]crispum (*L.*) *D. Don* [912/24]*cymosum (*L.*) *D. Don* [958/22]*felinum *Less.* [920/56]*foetidum (*L.*) *Moench* (Van der Merwe, P. 2034)helianthemifolium (*L.*) *D. Don* (782)indicum (*L.*) *Grierson* (Kruger, E.F. 101)litorale *H. Bol.* [905/23]*nudifolium (*L.*) *Less.* [S.R.]odoratissimum (*L.*) *Sweet* (783)*pandurifolium *Schrank* [816/27] (*auriculatum* *Less.*)*rutilans (*L.*) *D. Don* (Collector unknown J1536)teretifolium (*L.*) *D. Don* [892/32]*zeyheri *Less.* [808/26]*Edmondia pinifolia (*Lam.*) *Hilliard* (Van Rensburg, W.L.J. 318)

Stoebe

aethiopica *L.* (850)cinerea *Thunb.* [818/17]*fusca *Thunb.* (Bos, J.J. 1359)plumosa (*L.*) *Thunb.* [956/34]*prostrata *L.* [943/8]spiralis *Less.* (Van der Merwe, P. 2124)*

Elytropappus

glandulosus *Less.* [958/4]gnaphaloides (*L.*) *Levy* (Bos, J.J. 209)rhinocerotis (*L. f.*) *Levy* [Van der Merwe, P. 1966]

Metalasia

cephalotes (*Thunb.*) *Druce* (812)*muricata (*L.*) *D. Don* (811)*Leysera gnaphalodes (*L.*) *L.* [Van der Merwe, P. 1966]

Athrixia

crinita (*L.*) *Druce* [Van der Merwe, P. 1966]heterophylla (*Thunb.*) *Less.* [833/37]*Heterolepis aliena (*L. f.*) *Druce* (851)*

Osmitopsis

afra (*L.*) *Bremer* [825/14]*asteriscoides (*Berg.*) *Less.* (826)*nana *Schltr.* (845)

Oedera (= Eroeda)

imbricata (*Lam.*) *Levy* (821)*prolifera *Lam.* (= capensis) [Van der Merwe, P. 1966]

Athanasia

crithmifolia *L.* (Van der Merwe, P. 24–30)dimorpha *DC.* [Van der Merwe, P. 1966]trifurcata *L.* [Van der Merwe, P. 1966]Cenia turbinata (*L.*) *Pers.* (806)Hippia pilosa (*Berg.*) *Druce* (Van der Merwe, P. 23–33)*Artemisia afra *Jacq. ex Willd.* [864/2]Cineraria tomentosa *Less.* (Van der Merwe, P. 22–36)

Senecio

bipinnatus (*L. f.*) *Less.* (Van der Merwe, P. 2068)burchellii *DC.* (Van der Merwe, P. 22–05)consanguineus *DC.* (Kerfoot, O. 6061)cymbalarifolius (*L.*) *Less.* [S.R.]*erubescens *Ait.* (Van der Merwe, P. s.n.)grandiflorus *Berg.* [Van der Merwe, P. 1966]hastifolius (*L. f.*) *Less.* (Van der Merwe, P. 23–87)paniculatus *Berg.* (Kruger, E.F. 96)pinifolius (*L.*) *Lam.* [Werger *et al.* 1972]pinnulatus *Thunb.* (Van der Merwe, P. 24–85)sp. cf. pubigerus *L.* (Van der Merwe, P. 2197)purpureus *L.* (Van der Merwe, P. 23–82)rigidus *L.* [Van der Merwe, P. 1966]umbellatus *L.* (840)*

Furyops

abrotanifolius (*L.*) *DC.* (Van der Merwe, P. 22–51)*rupestris *Schltr.* (Van der Merwe, P. 21–77)

var. rupestris (881)

Othonna

amplexifolia *DC.* (Van der Merwe, P. 22–42)heterophylla *L. f.* (Bos, J.J. 225)origens (*L.*) *Levy* (Van Rensburg, W.L.J. 2123)quinquedentata *Thunb.* (Van Rensburg, W.L.J. 2089)sonchifolia *DC.* (Wicht, C.L. 1647)

Castalis

nudicaulis (*L.*) *T. Norl.* [898/26]*

- var. nudicaulis (Van der Merwe, P. 23–38)
- Osteospermum
 ciliatum *Berg.* (820)*
 junceum *Berg.* (790)*
 spinosum *L.* [Van der Merwe, P. 1966]
 tomentosum (*L. f.*) *T. Norl.* [869/36]*
- Gibbaria ilicifolia (*L.*) *T. Norl.* (Kerfoot, O. 6204)
- Chrysanthemoides monilifera (*L.*) *T. Norl.* (Kerfoot, O. 5378)
- Ursinia
 anthemoides (*L.*) *Poir.* subsp. anthemoides (792)
 caledonica (*Phill.*) *Prassler* (Van der Merwe, P. 2141)
 crithmoides (*Berg.*) *Poir.* (791)*
 dentata (*L.*) *Poir.* [944/35]
 nana *DC.* (Collector unknown J1673)
- pinnata (*Thunb.*) *Prassler* (796)*
- Arctotis
 angustifolia *L.* (Van der Merwe, P. 20–57)
 semipapposa (*DC.*) *Lewin* (Kruger, E.F. 110)*
- Haplocarpha lanata (*Thunb.*) *Less.* (650)*
- Gazania serrata *DC.* (Collector unknown J1691)*
- Cullumia
 ciliaris (*L.*) *R. Br.* (Van der Merwe, P. 22–43)
 setosa (*L.*) *R. Br.* [894/15]*
- Berkheya
 armata (*Vahl*) *Druce* (Van der Merwe, P. 25–41)
 herbacea (*L. f.*) *Druce* [885/10]*
- Oldenburgia intermedia *Bond* (Van Rensburg, W.L.J. 327)
- Gerbera crocea (*L.*) *Kuntze* [937/9]*