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A RECORD OF PLANTS COLLECTED IN SOUTHERN
RHODESIA.

ARRANGED ON ENGLER'S SYSTEM.

Compiled by FRED. EYLES, F.L.S., 1915.

INTRODUCTION.

When first I began to collect the plants of Southern Rhodesia, I found it difficult, with the small library at my disposal, to trace descriptions of my specimens or to discover the records of previous collectors. For my own information, I then started a card-index in which I registered all available records of plants taken in this country, and added, wherever possible, references to the Floras and other standard publications wherein the various Rhodesian plants were described.

From this beginning the following work has sprung, and I publish it now because I feel the RECORD, imperfect though it is, should be made accessible to students of African botany. I also hope it may be of assistance to workers in the Rhodesian field and encourage others to collect and study the plants of this country.

This RECORD includes representatives of 160 Families, 869 Genera, and 2397 Species, besides 112 Varieties.

The "flowering" plants are arranged on Dr. Engler's system as set out in the *Genera Siphonogamarum* of Dr. C. G. De Dalla Torre & Dr. H. Harms, 1900-1907.

The ferns and fern-allies are arranged in accordance with the system of Engler and Prantl as shown in the *Check List of Flowering Plants and Ferns of the Transvaal and Swaziland*, by Mr. J. Burt-Davy, F.L.S., F.R.S.S.Afr., & Mrs. R. L. Pott, 1911.

With regard to the lower cryptogams, of which unfortunately there are but few records, I have endeavoured to follow the arrangement given in Dr. Strasburger's *Text Book of Botany*, 1903, English edition.

So far as the information is available, each plant record gives the following particulars in the order shown, but very few of the records are complete in each detail.

(1) A genus number is placed in left margin opposite the first species of each genus. This corresponds to the number of that genus given in the *Genera Siphonogamarum*. The cryptogams (*Asiphonogama*) have no genus numbers in this RECORD.

(2) The first species of each genus is given its full generic and specific names, with authority. For second and following species the genus name is expressed by its initial letter.

(3) A limited number of synonyms are given in *italics* within brackets next to the accepted names. They are also shown in the Alphabetical List in *italics*. Only such synonyms have been inserted as seem necessary to save confusion and facilitate study; as, for instance, where two collectors record the same plant under different names, and where changes of nomenclature have taken place since the publication of the earlier South African Floras.

(4) A considerable number of additional synonyms have been necessitated in order to keep the RECORD uniform with Torre & Harms' *Genera Siphonogamarum*. In no instance does this imply any expression of opinion on my part as to which is the more correct classification. The following example will show how a synonym of this kind appears. The genus *Chaillertia* is included by Torre & Harms under the genus *Dichapetalum*. Therefore, "*Chaillertia cymosa*, Hook.," is recorded thus:—

4283—*Dichapetalum cymosum* (Hook.), Torre & Harms.

(*Chaillertia cymosa*, Hook.),

and is indexed under both names.

(5) Following the binomial, and synonyms if any, on a new line references are given to any works where descriptions of the species may be found. These references are not necessarily, or even generally, to original descriptions, but to such publications as are likely to be accessible to South African students.

(6) Finally, under each species are recorded such details as are known of its collection, in the following order: Locality, altitude, month of collection, collector's name, and herbarium number. NOTE.—A locality is named once only in each record, *e.g.* "Matopos, Nov. Marloth, 3588; Rogers, 5185." This means that Dr. Marloth's No. 3588 was taken in the Matopo Hills in November, and Archdeacon Rogers' 5185 was also taken in the Matopos, date unknown.

The names of between forty and fifty collectors appear in the RECORD. Many of these put themselves to great trouble to make and send me duplicate copies of their lists of identified plants. The records of others I have obtained from various publications. The following is a list of the names that are most frequent in the RECORD, together with the abbreviated forms used:—

Rand.—Dr. R. F. Rand, F.L.S., formerly of Rhodesia.

Allen.—Mr. C. E. F. Allen, formerly in charge of Forests for Rhodesian Government.

Oates.—The late Frank Oates, F.R.G.S.

- Monro.—Mr. C. F. H. Monro, M.A., of Victoria.
Rogers.—Archdeacon Rogers, F.L.S., formerly of Rhodesia.
Swyn.—Mr. C. F. M. Swynnerton, F.L.S., of Melsetter.
Gibbs.—Miss L. S. Gibbs, F.L.S.
Eyles.—Mr. F. Eyles, F.L.S., of Mazoe.
Galpin.—Mr. E. E. Galpin, F.L.S., of Cape Province.
Marloth.—Dr. R. Marloth, Ph.D., M.A., F.R.S.S.Afr., of Capetown.
Kolbe.—Rev. F. C. Kolbe, B.A., D.D., of Capetown.
Flanagan.—Mr. H. G. Flanagan, of Cape Province.
Gardner.—Rev. Fr. Gardner, S.J., of Bulawayo.
Cecil.—Hon. Mrs. Evelyn Cecil.
Jeffreys.—Mr. Mervyn Jeffreys, of Bulawayo.
Craster.—Mrs. W. S. Craster, of Salisbury.
Chubb.—Mr. E. C. Chubb, F.Z.S., formerly Curator of Bulawayo Museum.
Bennett.—Mrs. Bennett, of Umtali.
Sr. Phil.—Sister Philomela, of Gwelo.
Noble.—Mr. H. J. Noble, of Gwanda.
Engler.—Dr. Engler, of Berlin.
Govt. Herb.—Herbarium of Government Botanist in Department of Agriculture, Salisbury.

It must be understood that where altitudes are given they are necessarily approximate. Localities also indicate the neighbourhood rather than a precise spot; *e.g.* "Salisbury" means the neighbourhood of Salisbury.

The following publications have been used in compiling the RECORD wherein references to them will be found in the abbreviated forms shown below :—

- Harv. Gen. S.A. Pl.—The Genera of South African Plants, by W. H. Harvey, 2nd Edn., 1868.
Fl. Cap.—Flora Capensis.
Fl. Trop. Afr.—Flora of Tropical Africa.
Cat. Afr. Pl. Welw.—Catalogue of Dr. Welwitsch's African Plants.
Ferns of S.A.—Ferns of South Africa, by T. R. Sim, F.L.S., 1892 (illustrated).
For. Fl. Cape.—The Forests and Forest Flora of Cape Colony, by T. R. Sim, F.L.S., 1906 (illustrated).
For. Fl. P. E. Afr.—Forest Flora and Forest Resources of Portuguese East Africa, by T. R. Sim, F.L.S., 1909 (illustrated).
Nat. Pl.—Natal Plants, by J. M. Wood, A.L.S. (illustrated). The references are given to plate numbers.
Orchids of S.A.—Orchids of South Africa, by Dr. Harry Bolus, F.L.S. (illustrated).

Journ. Bot.—Journal of Botany.

Journ. Linn. Soc. Bot.—Journal of Linnean Society, Botany.

Kew Bull.—Kew Bulletin.

Trans. S.A. Phil. Soc.—Transactions of South African Philosophical Society.

Trans. R. S. S. Afr.—Transactions of Royal Society of South Africa.

Pro. Rhod. Sc. Assn.—Proceedings of Rhodesia Scientific Association.

Rhod. Agric. Journ.—The Rhodesia Agricultural Journal.

I am under great obligations to many friends for advice and assistance in preparing this record of Rhodesian plants, and wish particularly to acknowledge the following :—

Dr. Rendle and Staff of British Museum for identifying most of my collections.

The late Professor P. MacOwan, of Cape Town, for advice and identifications.

The late Dr. Harry Bolus, of Cape Town, for valuable suggestions, and for continuous and unwearied help in identifying plants and furnishing me with lists of Rhodesian collections made by other botanists.

Mr. T. R. Sim, for identifying ferns, etc.

Dr. Marloth, for help in identification and general encouragement.

Archdeacon Rogers, for adding a number of localities as well as of species to the present list. These additions, interpolated through the kindness of Dr. E. P. Phillips, of the Botanical Department of the South African Museum, are marked in the list with an asterisk. Dr. Phillips has besides looked through the proofs.

Mr. Swynnerton, for the trouble he took to annotate and correct for my benefit the 240 pages descriptive of his Gazaland collections in the Linnean Journal of October, 1911.

Dr. Rand, Miss Gibbs, Mrs. Craster, and Messrs. Allen, Monro, Jeffreys, Chubb, and Father Gardner for sending me lists of their collections.

Mr. J. Burt-Davy for help and advice.

Also Messrs. Mundy & Walters, Botanists to the Rhodesian Government, have lent me willing aid and placed their herbarium at my disposal.

I am aware of many deficiencies in this RECORD, but venture to think it should be published without further delay in the belief that it will be useful to beginners, and in the hope that other workers in this field will point out its chief faults, contribute additions, and make suggestions for the improvement of any later edition if called for.

FRED. EYLES.

GROUP I.—EMBRYOPHYTA ASIPHONOGAMA.

DIVISION I.—THALLOPHYTA.

CLASS IV.—CYANOPHYCEAE.

Nostoc commune, *Vaucher*.

Victoria Falls, Rain Forest, etc. 3000 ft. Sep. Gibbs, 200.

CLASS XI.—CHARACEAE.

Chara capensis, *E. Mey.*

Mazoe, Tatagura River, 4300 ft. July, Eyles, 384.

Nitella hyalina, *Ag.*

Matopos, Sep. Gibbs, 311.

CLASS XII.—HYPHOMYCETES.

Cronartium bresadoleanum, *Henn.* var. **eucleae**, *Henn.*

Bulawayo, 4400 ft. Nov. Eyles, 1253. Parasitic on leaf of *Euclea* Kellau, *Hochst.*

Polystictus sanguineus, *Meyer.*

See Cat. Afr. Pl. Welw. ii. 467, *P. sanguineus*, *Fr.*

Victoria Falls, Sep. Gibbs, 165, on dead wood.

Hymenochæte rubiginosa, *Lév.*

Cat. Afr. Pl. Welw. ii. 471.

Victoria Falls, Sep. Gibbs, 262, on dead wood.

Gibbera tinctoria, *Massee.*

Kew Bull., 1911, 226.

Hunyani Valley, Allen, 734, on leaves of *Monotes glaber*, *Sprague.*

CLASS XIII.—LICHENES.

Leptogium sp.

Bulawayo, Jan. Eyles, 1179.

Parmelia sp.

Matopos, Nov. Eyles, 1148.

Physcia flavicans, *DC.*

Chirinda, 3800 ft. Swyn. 883, on trees.

Usnea barbata, *Ach.*

Cat. Afr. Pl. Welw. ii. 396.

Matopos, March, Eyles, 1023.

U. longissima, *Ach.*

Cat. Afr. Pl. Welw. ii. 397.

Chirinda Forest, 3800 ft. Swyn. 430, hanging from tree branches ;

Chimanimani Mts. 6500 ft. Swyn. 617.

DIVISION II.—BRYOPHYTA.

CLASS I.—HEPATICAÆ.

Riccia fluitans, *L.*

Matopos, Sep. Gibbs, 318, in streams.

Fimbriaria marginata *Nees.*

Mazoe, Sep. Eyles, 414.

Marchantia polymorpha, *L.*

Matopos, Nov. Eyles, 1181.

Plagiochasma *sp.?*

Matopos, fr. Oct. Gibbs, 324.

Madotheca capensis, *Gottsche.*

Chirinda, 3800 ft. Swyn. 812, on trees.

CLASS II.—MUSCI.

Amblystegium varium, *Lindb.*

Mazoe, Aug. 4600 ft. Eyles, 402, on stones by stream.

Bartramia *sp.*

Matopos, March, Eyles, 1050.

Catharinea androgyna, *C. Muell.*

Mt. Pene, 7000 ft. Swyn. 6021.

Hypnum *sp.*

Matopos, March, Eyles, 1026.

Octodiceras julianum, *Brid.*

Mazoe, 4600 ft. Aug. Eyles, 401, submerged.

Orthotrichum *sp.*

Matopos, March, Eyles, 1052.

Racopilum *sp.*

Victoria Falls, 3000 ft. May, Eyles, 112, in Rain Forest.

Ulota crispa, *Br. & Schimp.*

Matopos, March, Eyles, 1048.

DIVISION III.—PTERIDOPHYTA.

CLASS I.—FILICALES.

ORDER I.—FILICALES LEPTOSPORANGIATAE.

FAMILY I.—HYMENOPHYLLACEAE, *Sadebeck*.

Hymenophyllum gracile, *Bory*.

Ferns of S.A. 48.

Mt. Pene, 7000 ft. Swyn. 6016; Mazoe, 5100 ft. April, Eyles, 359.

FAMILY II.—CYATHEACEAE, *Diels*.

Cyathea Dregiei, *Kunze*.

Ferns of S.A. 57.

Matopos, 4800 ft. May, Eyles, 72; Oct. Gibbs, 292; Penhalonga, Bennett; Umtali, Holland; Mt. Pene, 6500–7000 ft. Swyn. 816.

C. manniana, *Hook*.

Mt. Pene, 7000 ft. Swyn. 6030.

C. Thomsoni, *Bak*.

Journ. Bot. 1881, 180.

Chirinda, 3800 ft. Swyn. 817.

FAMILY III.—POLYPODIACEAE, *Diels*.

Aspidium aculeatum, *Swartz*, var. **pungens**, *Klf*.

Ferns of S.A. 166.

Umtali, Holland & Bennett.

A. ammifolium, *Poir*.

Mt. Pene, 6500–7000 ft. Swyn. 878, 6031, 6032.

Nephrodium albo-punctatum, *Desv*.

Ferns of S.A. 173; Cat. Afr. Pl. Welw. ii. 272.

Mazoe, 5200 ft. April, Eyles, 337; Sebakwe, 4110 ft. Dec. Eyles, 390; Matopos, Oct. Gibbs, 210; Chimanimani Mts. 7000 ft. Swyn. 857; Salisbury, Darling, Holland & Hole; Umtali, Bennett.

N. athamanticum, *Hook*.

Ferns of S.A. 183; Cat. Afr. Pl. Welw. ii. 272.

Mazoe, Holland; and at 4400 ft. Jan. Eyles, 562; Umtali, Bennett; Chirinda, 3800 ft. Swyn. 875, 876; Lusitu Riv. 3000 ft. Swyn. 875a.

N. bergianum, *Baker*.

Ferns of S.A. 175.

Matopos, 4700 ft. April & May, Eyles, 63; Mazoe, 4500 ft. Feb. Eyles, 525; Umtali, Darling; Penhalonga, Bennett & Holland; Victoria Falls, Richards; Chirinda Forest, 3700–4000 ft. Swyn. 866, 870.

N. catopterum, *Hook*.

Ferns of S.A. 185.

Umtali, Bennett & Holland.

N. cicutarium, *Baker*. (*N. hippocrepis*, *Desv.*)

Ferns of S.A. 187; Cat. Afr. Pl. Welw. ii. 273.

Umtali, Darling, Holland & Bennett; Chirinda Forest, 3700–4000 ft. Swyn. 823; Mt. Pene, 6500–7000 ft. Swyn. 824a.

N. Filix-mas, *Rich.* var. **elongatum**, *Hook*.

Ferns of S.A. 180.

Umtali, Bennett & Darling; Lomagundi, Darling; Mazoe, 4600 ft. Jan. Eyles, 561; Chirinda, 3800 ft. Swyn. 874, 457.

N. inæquale, *Hook*.

Ferns of S.A. 182.

Lomagundi, Darling; Umtali, Holland.

N. mauritianum, *Fée*.

Ferns of S.A. 176.

Lomagundi, Darling; Mazoe, Holland; Victoria Falls, Holland.

N. molle, *Desv.*

Ferns of S.A. 177; Cat. Afr. Pl. Welw. ii. 273.

Victoria Falls, Rain Forest, 3000 ft. May, Eyles, 95; Allen, 2; Rogers, 5053; Chirinda Forest, 3700–4000 ft. Swyn. 864, 865, 867, 870; Chirinda, 3800 ft. Swyn. 868, 869; Umtali, Engler; Matabeleland, Oates.

var. **violaceum**, (*Link*) *Mett*.Ferns of S.A. 177, a note under *N. molle*.

Victoria Falls, Palm Kloof, Engler.

N. Thelypteris, *Desv.*

Ferns of S.A. 179; Cat. Afr. Pl. Welw. ii. 272.

Matopos, 4600 ft. May, Eyles, 69; Rogers, 5197; Umtali, Darling & Bennett; Mazoe, Darling; Penhalonga, Holland; Rusapi, Engler.

N. Thelypteris, *Desv.*, var. **squamuligera**, *Schlechtend.*

See Ferns of S.A. 180.

Chirinda, 3800 ft. Swyn. 858, 859a.

N. unitum, *R. Br.*

Ferns of S.A. 178; Cat. Afr. Pl. Welw. ii. 273.

Victoria Falls, on island, Sep. Gibbs, 151; & Holland.

***Nephrolepis cordifolia*, Presl.**

Trans. S.A. Phil. Soc. xvi. 288.

Matabeleland, Oates ; Umtali, Darling ; Victoria Falls, Rain Forest,
Sep. Gibbs, 155 ; Holland, Richards & Engler ; Chirinda, 3700–
4000 ft. Swyn. 856.

***N. exaltata*, Schott.**

Trans. S.A. Phil. Soc. xvi. 289 ; Cat. Afr. Pl. Welw. ii. 274.

Matabeleland, Oates ; Victoria Falls, Rain Forest, 3000 ft. May, Eyles,
116 ; Sep. Gibbs, 148 ; Allen, 1 & Engler ; Umtali, Darling.

***Davallia concinna*, Schrad.**

Odzani River Valley, Umtali, Teague, 244.

***D. Hollandii*, Sim.**

Trans. S.A. Phil. Soc. xvi. 274.

Umtali, Holland & Bennett.

***D. thecifera*, H.B.K.**

Cat. Afr. Pl. Welw. ii. 265.

Mt. Pene, 7000 ft. Swyn. 6018.

***Lomaria attenuata*, Willd.**

Ferns of S.A. 117.

Umtali, Darling & Bennett ; Chimanimani Mts. 7000 ft. Swyn. 835*a* ;
Mt. Pene, 7000 ft. Swyn. 6023, 6024.

***L. Boryana*, Willd.**

Ferns of S.A. 123 ; Cat. Afr. Pl. Welw. ii. 269.

Umtali, Bennett & Darling ; Chimanimani Mts. 7000 ft. Swyn. 835 ;
Mt. Pene, 7000 ft. Swyn. 6022.

***L. procera*, Spreng.**

Ferns of S.A. 122.

Chirinda, 3700–4000 ft. Swyn. 832.

***L. punctulata*, Kze.**

Ferns of S.A. 118.

Mazoe, 5000–5200 ft. April, Eyles, 342 ; Victoria Falls, Rogers, 5546.

***Asplenium adiantum-nigrum*, L.**

Ferns of S.A. 148.

Umtali, Darling.

***A. anisophyllum*, Kze.**

Ferns of S.A. 142.

Umtali, Bennett & Darling.

***A. aspidioides*, Schl.**

Ferns of S.A. 162.

Umtali, Darling & Holland.

***A. cicutarium*, Sw.**

Ferns of S.A. 155.

Umtali, Darling & Bennett.

var. **abyssinicum**, *Baker*.

Chirinda Forest, 3700–4000 ft. Swyn. 819.

A. dregeanum, *Kze.*

Ferns of S.A. 156.

Umtali, Darling.

A. erectum, *Bory.*

Ferns of S.A. 136; Cat. Afr. Pl. Welw. ii. 270.

Victoria Falls, Palm Kloof, Engler; Chirinda Forest, 3700–4000 ft.

Swyn. 827.

var. **erectum**, *Bory.*

Ferns of S.A. 138.

Umtali, Bennett.

var. **lobatum**, (*P. & R.*) *Sim.*

Ferns of S.A. 139.

Umtali, Bennett & Holland.

var. **lunulatum**, (*Sw.*) *Sim.*

Ferns of S.A. 137.

Victoria Falls, Holland.

A. Eylesii, *Sim.*

Mazoe, 4500 ft. Jan. Eyles, 564.

A. filix-fœmina, *Bernh.*

Ferns of S.A. 160.

Penhalonga Forest, Bennett; Umtali, Holland.

A. furcatum, *Thunb.* (*A. adiantoides*, Lam.)

Ferns of S.A. 152; Cat. Afr. Pl. Welw. ii. 270.

Salisbury, Darling & Hole; Umtali, Holland & Bennett; Matopos,

Sep. Gibbs, 28; Victoria Falls, Garbutt; Mazoe, 4500 ft. Dec.

Eyles, 477; Chirinda Forest, 3700–4000 ft. Swyn. 845; Chimani-

mani Mts., 7000 ft. Swyn. 846*a*; Melsetter, 6000 ft. Swyn. 808;

Mt. Pene, 7000 ft. Swyn. 6026; Odzani River Valley, Umtali,

Teague, 161.

var. **tripinnatum**, *Baker*.

Ferns of S.A. 154.

Umtali, Bennett & Darling; Mt. Pene, 7000 ft. Swyn. 846, 6027.

A. gemmiferum, *Schr.*

Ferns of S.A. 145.

Umtali, Bennett & Holland; Chirinda Forest, 3700–4000 ft. Swyn.

402, 853.

var. **flexuosum**, *Schr.*

Ferns of S.A. 145.

Umtali, Bennett.

var. **laciniatum**, *Mett.*

See note Ferns of S.A. 147.

Chirinda Forest, 3700–4000 ft. Swyn. 844, 844a.

A. lætum, *Swartz.*

Chirinda Forest, 3700–4000 ft. Swyn. 840, 840b.

A. Mannii, *Hook.*

Trans. S.A. Phil. Soc. xvi. 285.

Mt. Pene, 7000 ft. Swyn. 6015; Chipete Forest, 3800 ft. Swyn. 427.

A. monanthemum, *L.*

Ferns of S.A. 135.

Umtali, Bennett. Not common.

A. protensum, *Schrad.*

Ferns of S.A. 141.

Matopos, 5000 ft., March, Eyles, 1022; Umtali, Holland & Bennett;

Chirinda Forest, 3700–4000 ft. Swyn. 879, 880.

A. resectum, *Smith.*

Cat. Afr. Pl. Welw. ii. 270.

Chirinda Forest, 3700–4000 ft. Swyn. 840a, 841.

A. rutæfolium, *Kze.*

Ferns of S.A. 158.

Umtali, Bennett & Holland.

A. Sandersoni, *Hook.*

Ferns of S.A. 132.

Umtali, Bennett.

A. Schimperii, *A. Br.*

Ferns of S.A. 161.

Salisbury, Darling.

A. serra, *Langs.* var. **natalensis**, *Baker.*

Ferns of S.A. 144.

Chimanimani Mts. 6500 ft. Swyn. 851.

A. Thunbergii, *Kze.*

Ferns of S.A. 157.

Chirinda Forest, 3700–4000 ft. Swyn. 806; Chipetzana source,
4000 ft. Swyn. 807; Mt. Pene, 7000 ft. Swyn. 6017.

A. trichomanes, *L.*

Ferns of S.A. 133.

Lomagundi, Sinoia Cave and Hunyani River, Hole.

A. varians, *Hk. & Gr.*

Ferns of S.A. 140.

Umtali, Darling.

Gymnogramme argentea, *Mett.* (*G. rosea*, Desv.)

Ferns of S.A. 214; Cat. Afr. Pl. Welw. ii. 276.

Chimanimani Mts., 7000 ft. Swyn. 677.

var. **aurea**, *Mett.*

Ferns of S.A. 214, 5.

Mazoe, 5200 ft. April, Eyles, 340.

G. cordata, *Schlecht.*

Ferns of S.A. 210 ; Cat. Afr. Pl. Welw. ii. 276.

Bulawayo, 4600 ft. Feb. Eyles, 392 ; Lomagundi, Darling ; Salisbury,

Darling ; Matopos, 4800 ft. March, Eyles, 1021 ; Gibbs, Sep. 29.

var. **namaquensis**, *P. & R.*

Ferns of S.A. 211, 2.

Salisbury, Hole.

G. lanceolata, *Hook.*

Ferns of S.A. 215.

Umtali, Bennett ; Chirinda, 3800 ft. Swyn. 814 ; Mt. Pene, 7000 ft.

Swyn. 6020.

G. leptophylla, *Desv.*

Ferns of S.A. 212.

Mazoe, 4500 ft. Jan. Eyles, 563.

Vittaria isœtifolia, *Bory.* (*V. lineata*, Sw.)

Ferns of S.A. 216.

Chimanimani Mts. 7000 ft. Swyn. 802.

Pellæa burkeana, *Baker.* (*P. dura*, Hook.)

Ferns of S.A. 105 ; Cat. Afr. Pl. Welw. ii. 267.

Mazoe, 5000 ft. April, Eyles, 263 ; Darling ; Salisbury, Darling &

Hole ; Umtali, Holland & Bennett, Odzani River Valley,

Teague, 70.

P. calomelanos, *Link.*

Ferns of S.A. 104 ; Cat. Afr. Pl. Welw. ii. 267.

Matopos, 4700 ft. April, Eyles, 394 ; Holland ; Salisbury, Hole ;

Umtali, Bennett ; Odzani River Valley, Teague, 67 ; Chirinda,

3600 ft. Swyn. 850 ; Matabeleland, Fry.

P. consobrina, *Hook.*

Ferns of S.A. 97.

Mazoe, 5000 ft. April, Eyles, 357 ; Darling & Bennett ; Umtali,

Darling & Bennett ; Odzani River Valley, Teague, 68 ; Chimani-

mani Mts., 7000 ft. Swyn. 852 ; Mt. Pene, 7000 ft. Swyn.

6028.

P. Doniana, *Hook.*

Trans. S.A. Phil. Soc. xvi. 279.

Umtali, Bennett.

P. geraniæfolia, *Fœ.* (*Cheilanthes Kirkii*, Hook.)

Ferns of S.A. 92 ; Cat. Afr. Pl. Welw. ii. 266.

Matopos, 4800 ft. March, Eyles, 1044 ; Gibbs, Sep. 291 ; Victoria,

Zimbabwe, Holland, Monro, 732 ; Umtali, Bennett.

P. hastata, *Link.*

S.A. Ferns, 101 ; Cat. Afr. Pl. Welw. ii. 267.

Matopos, 5000 ft. March, Eyles, 1018, April, 312 ; Sep. Gibbs, 89 ;
Salisbury, Hole ; Umtali, Bennett ; Mazoe, Holland ; Victoria,
Holland.

var. **glauca**, *Sim.*

Ferns of S.A. 102.

Salisbury, Darling, Hole & Holland ; Mazoe, Darling & Holland ;
Matabeleland, Fry.

var. **macrophylla**, *Hook.*

Ferns of S.A. 102.

Chirinda Forest, 3600-4000 ft. Swyn. 800 ; Victoria Falls, Garbutt.

P. pectiniformis, *Baker.*

Ferns of S.A. 95 ; Cat. Afr. Pl. Welw. ii. 267.

Matopos, Oct. Gibbs, 294 ; Mazoe, 5000 ft. March, Eyles, 250.

Notochlæna Buchanani, *Baker.*

Ferns of S.A. 207.

Matopos, Sep. Gibbs, 70.

N. inæqualis, *Kze.*

Ferns of S.A. 206 ; Cat. Afr. Pl. Welw. ii. 276.

Matopos, 5000 ft. March, Eyles, 1020 ; Salisbury, Holland & Darling ;
Mazoe, 5200 ft. April, Eyles, 339.

Chielanthes Bolusii, *Baker.*

Ferns of S.A. 89 ; Trans. S.A. Phil. Soc. xvi. 277.

Mazoe, 5000 ft. March, Eyles, 247 ; Umtali, Holland.

C. farinosa, *Kaulf.*

Trans. S.A. Phil. Soc. xvi. 278 ; Cat. Afr. Pl. Welw. ii. 267.

Victoria Falls, Rain Forest, 3000 ft. May, Eyles, 121, 147 ; Sep.
Gibbs, 6 ; Galpin, 7053 ; Allen, 13 ; Rogers, 5013, 5545 ; Engler,
Richards & Holland ; Matabeleland, Oates.

C. hirta, *Swartz.*

Ferns of S.A. 83 ; Cat. Afr. Pl. Welw. ii. 266.

Matopos, 5000 ft. May, Eyles, 76 ; Sep. Gibbs, 90 ; Engler ; Bula-
wayo, 4500 ft. Feb. Eyles, 393 ; Umtali, Bennett ; Odzani River
Valley, Teague, 160.

C. multifida, *Swartz.*

Ferns of S.A. 87.

Matopos, Sep. Gibbs, 69 ; 5000 ft. March, Eyles, 1019.

Hypolepis anthriscifolia, *Presl.*

Ferns of S.A. 76.

Chirinda Forest, 3700-4000 ft. Swyn. 820.

H. bergiana, *Hook.*

Ferns of S.A. 78.

Chimanimanani Mts., 7000 ft. Swyn. 821.

H. Schimperi, *Sim.*

Trans. S.A. Phil. Soc. xvi. 276.

Mazoe, 4800–5300 ft. Dec. Eyles, 395; Darling & Holland; Salisbury,
Darling, Holland & Hole.**Cryptopteris fragilis**, *Bernh.*

Ferns of S.A. 66.

Lomagundi, Hole.

Adiantum æthiopicum, *L.*

Ferns of S.A. 73.

Mazoe, 5100 ft. April, Eyles, 328; Holland; Salisbury, Holland;
Umtali, in hills, Bennett; Matabeleland, Oates.**A. capillus-Veneris**, *L.*

Ferns of S.A. 70; Cat. Afr. Pl. Welw. ii. 266.

Bulawayo, 4500 ft. May, Eyles, 68; Victoria Falls, Rain Forest, Sep.
Gibbs, 20; May, Eyles, 113, 126; Allen, 11; Rogers, 5547;
Engler & Holland; Umtali, Bennett & Darling; Mazoe, Darling.**A. caudatum**, *L.*

Ferns of S.A. 69.

Sebakwe, 4000 ft., Nov. Eyles, 389; Victoria Falls, Sep. Gibbs, 180;
Rogers, 5052; Allen, 17; Engler, Richards & Holland; Umtali,
Darling & Bennett; Mazoe, Darling; Matopos, Gibbs, 316.**A. lunulatum**, *Burm.*

Ferns of S.A. 70; Cat. Afr. Pl. Welw. ii. 265.

Victoria Falls, Rain Forest, 3000 ft. May, Eyles, 127; Allen, 9;
Rogers, 5376, 5549; Richards & Holland; Mazoe, Darling;
Umtali, Bennett; Matabeleland, Oates.**A. Oatesii**, *Baker.*In "Matabeleland and Victoria Falls," by Frank Oates, appendix by
A. Rolfe, ed. i. p. 369; Ferns of S.A. 70.Victoria Falls, Sep. Gibbs, 317; Allen, 20; Lomagundi, Darling;
Matabeleland, Oates.**Actinopteris radiata**, *Link.*

Ferns of S.A. 163; Harv. Gen. S.A. Pl. 465; Cat. Afr. Pl. Welw. ii. 271.

Mazoe, 4400–4600 ft. March, Eyles, 259; Victoria Falls, Sep. Gibbs,
33; Allen, 91; Garbutt; Matopos, Engler & Gibbs; Salisbury,
Darling & Hole; Umtali, Bennett; Odzani River Valley, Umtali,
Teague, 63.**Didymochlæna lunulata**, *Desv.* (*D. sinuosa*, Desv.)

Ferns of S.A. 164; Cat. Afr. Pl. Welw. ii. 271.

Mt. Pene Forest, 6500–7000 ft. Swyn. 815; Umtali, Bennett.

***Pteris aquilina*, L.** (*Pteridium aquilinum*, Kuhn.)

Ferns of S.A. 113; Cat. Afr. Pl. Welw. ii. 268; Harv. Gen. S.A. Pl. 464.

Matopos, 4800 ft. May, Eyles, 79; Umtali, Darling; Odzani River Valley, Teague, 251; Salisbury, Hole; Mt. Hampden, Holland (a glabrous var.); Victoria Falls, Palm Kloof, Engler.

var. ***lanuginosa***, Hook.

Ferns of S.A. 114, included under type; Cat. Afr. Pl. Welw. ii. 268.

Chirinda, 2800 ft. Swyn. 401 in part; Mt. Pene, 7000 ft. Swyn. 6029; throughout Melsetter Dist., Swyn.

P. atrovirens, Willd.

Cat. Afr. Pl. Welw. ii. 268.

Victoria Falls, Palm Kloof, Engler.

P. brevisora, Baker.

Chirinda Forest, 3700–4000 ft. Swyn. 871.

P. cretica, L.

Ferns of S.A. 107; Cat. Afr. Pl. Welw. ii. 268.

Mazoe, 4900 ft. Dec. Eyles, 498; Holland; Chirinda Forest, 3700–4000 ft. Swyn. 831; Umtali, Bennett; Salisbury, Hole.

P. flabellata, Thunb. (*P. arguta*, Sw.)

Ferns of S.A. 110; Cat. Afr. Pl. Welw. ii. 268.

Victoria Falls, Rogers, 5556; Penhalonga, Holland; Umtali, Bennett.

P. longifolia, L.

Ferns of S.A. 106; Cat. Afr. Pl. Welw. ii. 267.

Bulawayo, 4500 ft. May, Eyles, 66; Mazoe, Darling, Holland & Bennett; Umtali, Darling, Holland & Bennett.

P. quadriaurita, Retz.

Ferns of S.A. 108; Cat. Afr. Pl. Welw. ii. 268.

Victoria Falls, Rain Forest, 3000 ft. May, Eyles, 94; Allen, 181; Rogers, 5048; Gibbs; Richards; Matopos, Oct. Gibbs, 223; May, Eyles, 149; Umtali, Darling; Bennett; Lomagundi, Darling; Salisbury, Holland; Chirinda Forest, 3700–4000 ft. Swyn. 872; Matabeleland, Oates.

Polypodium africanum, Mett.

Ferns of S.A. 203.

Mazoe, 4500 ft. Jan. Eyles, 338; Chirinda Forest, 3700–4000 ft. Swyn. 425; Chipeta Forest, 3800 ft. Swyn. 425; Umtali, Bennett; Holland.

P. incanum, Swartz.

Ferns of S.A. 194.

Victoria, Zimbabwe, Holland; Chirinda Forest, 3700–4000 ft. Swyn. 809.

P. irioides, *Lam.*

Ferns of S.A. 204 ; Cat. Afr. Pl. Welw. ii. 275.

Macequece, Holland ; Umtali, Bennett.

P. lanceolatum, *L.* (*P. lepidotum*, Willd.)

Ferns of S.A. 201.

Umtali, Bennett ; Melsetter, 6000 ft. Swyn. 811, epiphytic on *Brachystegia Randii* and other trees ; Chipete Forest, 3800 ft. Swyn. 812 ; Chimanimani Mts. 7000 ft. Swyn. 813 ; Mt. Pene, 7000 ft. Swyn. 6008, 6019 ; Odzani River Valley, Umtali, Teague, 162.

B. normale, *Don.*

Ferns of S.A. 199.

Umtali, Bennett.

P. obtusilobum, *Desv.*

See Ferns of S.A. 174, 5. (Sim doubts validity of this species and does not distinguish it from *Nephrodium bergianum*, Baker.)

Victoria Falls, Allen, 3 ; Gwaai River, 3400 ft. Allen, 229.

P. phymatodes, *L.*

Ferns of S.A. 196 ; Cat. Afr. Pl. Welw. ii. 275.

Umtali, Bennett ; Lusitu River, 2500 ft. Swyn. 661, 884.

P. proliferum, *Presl.*

Ferns of S.A. 192.

Hunyani Riv. Darling ; Mazoe, Holland ; Umtali, Bennett.

P. unitum, *Hook.*

Ferns of S.A. 193.

Umtali, Bennett.

Acrostichum latifolium, *Swartz.*

Ferns of S.A. 220.

Umtali, Bennett ; Mt. Pene, 7000 ft. Swyn. 6009.

A. lineare, *Fée.*

Mt. Pene, 7000 ft. Swyn. 6014.

A. viscosum, *Sw.*

Ferns of S.A. 221.

Chimanimani Mts. 7000 ft. Swyn. 810.

Platyserium alicorne, *Desv.*

Trans. S.A. Phil. Soc. xvi. 293.

Macequece, Holland ; Umtali, Bennett.

FAMILY IV.—GLEICHENIACEAE, *Diels.***Gleichenia dichotoma**, *Willd.*

Ferns of S.A. 45.

Umtali, Bennett.

G. polypodioides, *Smith.*

Ferns of S.A. 43; *Cat. Afr. Pl. Welw.* ii. 263.

Mazoe, 5200 ft. April, Eyles, 341; Chimanimani Mts. 6500 ft. Swyn. 676.

G. umbraculifera, *T. Moore.*

Ferns of S.A. 44.

Melsetter, 6000 ft. Swyn. 613; Lusitu Hills, 5000 ft. Swyn. 1497.

FAMILY V.—SCHIZAEACEAE, *Diels.*

Aneimia anthriscifolia, *Schrad.*

Trans. S.A. Phil. Soc. xvi. 294.

Umtali, Bennett & Holland.

A. tomentosa, *Sw.*

Odzani River Valley, Umtali, Teague, 69.

Mohria caffrorum, *Desv.*

Ferns of S.A. 233.

Matopos, 4800 ft. March, Eyles, 1042, May, 128; Gibbs, Oct. 235;

Melsetter, 6000 ft. Swyn. 611; Mazoe, Eyles; Umtali, Bennett,

Odzani River Valley, Teague, 140; Darling.

M. lepigera, *Baker.*

Chimanimani Mts. 7000 ft. Swyn. 611*a*.

Lygodium Brycei, *Baker.*

Kew Bull. 1901, 138.

Mashonaland, Bryce, nr. Portuguese border, drift of Renie Riv.

L. Kerstenii, *Kuhn.* (*L. subulatum*, Bojer.)

Trans. S.A. Phil. Soc. xvi. 296.

Penhalonga, Holland; Umtali, Bennett; South Melsetter District, abundant in wooded kloofs.

FAMILY VI.—OSMUNDACEAE, *Diels.*

Osmunda regalis, *L.*

Ferns of S.A. 227; *Cat. Afr. Pl. Welw.* ii. 278.

Matopos, 4600 ft. April, Eyles, 56; Rogers, 5193; Marloth; Chirinda,

3700 ft. Swyn. 828; Chipetzana source, 4000 ft. Swyn.; Umtali,

Bennett, Odzani River Valley, Teague, 66; Darling; Mazoe,

Hole; Salisbury, Holland.

Todea africana, *Willd.* (*T. barbara*, Moore.)

Ferns of S.A. 228.

Chimanimani Mts. 7000 ft. Swyn. 830.

FAMILY VII.—MARSILIACEA, *Sadebeck*.**Marsilia biloba**, *Willd.*

Ferns of S.A. 258.

Gwelo, in vlei, Gardner, 28.

M. capensis, *A. Br.*

Ferns of S.A. 259.

Matopos, fr. Oct. Gibbs, 289.

M. macrocarpa, *Presl.* var. **lobata**, *Sim.*

Ferns of S.A. 259 (type).

Pasipas Mt. 4500 ft. June, Eyles, 26.

ORDER II.—MARATTIALES.

FAMILY VIII.—MARATTIACEAE, *Bitter*.**Marattia fraxinea**, *Smith.*

Ferns of S.A. 235 ; Cat. Afr. Pl. Welw. ii. 278.

Chirinda Forest, 3700–4000 ft. Swyn. 826 ; Mt. Pene Forest, 6500–7000 ft. Swyn. 826a, 6025 ; Umtali, Darling ; Bennett ; Penhalonga, Holland.

ORDER III.—OPHIOGLOSSALES.

FAMILY IX.—OPHIOGLOSSACEAE, *Bitter*.**Ophioglossum reticulatum**, *L.*

Ferns of S.A. 238 ; Cat. Afr. Pl. Welw. ii. 279.

Mazoe, 4800 ft. Jan. Eyles, 559.

O. vulgatum, *L.*

Ferns of S.A. 237.

Khami, Nov. Marloth, 3354 ; Matopos, Marloth.

CLASS II.—EQUISETALES.

ORDER I.—EU-EQUISETALES.

FAMILY X.—EQUISETACEAE, *Sadebeck*.**Equisetum ramosissimum**, *Desf.*

Ferns of S.A. 240 ; Cat. Afr. Pl. Welw. ii. 279.

Matopos, 4800 ft. April, Eyles, 151 ; Umtali, Engler.

CLASS III.—LYCOPODIALES.

ORDER I.—LYCOPODIALES ELIGULATAE.

FAMILY XI.—LYCOPODIACEAE, *Pritzl.*

Lycopodium carolinianum, *L.*

Ferns of S.A. 246.

Matopos, 5000 ft. April, Eyles, 51; Oct. fr. Gibbs, 231.

L. cernuum, *L.*

Ferns of S.A. 244; Cat. Afr. Pl. Welw. ii. 263.

Chirinda, 3800 ft. Swyn. 458; Odzani River Valley, Umtali, Teague, 252.

L. clavatum, *L.* var. **inflexum**, *Spreng.*

Ferns of S.A. 245.

Mt. Pene, 6500–7000 ft. Swyn. 805.

L. verticillatum, *L.*

Ferns of S.A. 243.

Mt. Pene, 7000 ft. Swyn. 6010; Umtali, Holland.

Psilotum triquetrum, *Swartz.*

Ferns of S.A. 247; Harv. Gen. S.A. Pl. 470.

Victoria Falls, Rain Forest, 3000 ft. May, Eyles, 115; Engler.

ORDER II.—LYCOPODIALES LIGULATAE.

FAMILY XII.—SELAGINELLACEAE, *Hieron.*

Selaginella depressa, *A. Braun.*

Ferns of S.A. 251.

Matopos, March, Eyles, 1043.

S. imbricata, *Spreng.*

Victoria Falls, dry edge of gorge, Galpin, 7054; Sep. Gibbs, 179;

Allen, 90; Engler; April, Eyles, 546.

S. kraussiana, *A. Braun.*

Ferns of S.A. 252.

Chimanmani Mts. 7000 ft. Swyn. 803; Mt. Pene, 7000 ft. Swyn. 6013; Umtali, Darling.

S. rupestris, *Spreng.*

Ferns of S.A. 250; Cat. Afr. Pl. Welw. ii. 262.

Matopos, Sep. Gibbs, 4; Oct. Davy; Engler; Chimanmani Mts. 7000 ft. Swyn. 617a.

S. sp.

Matopos, 4800 ft. March, Eyles, 1043, cf. *S. kraussiana*, A. Braun.

GROUP II.—**EMBRYOPHYTA SIPHONOGAMA.**DIVISION I.—**GYMNOSPERMAE.**CLASS **CONIFERAE.**FAMILY V.—**TAXACEAE**, *Lindl.*

Genus No.

- 15—**Podocarpus milanjiana**, *Rendle*. (*P. Thunbergii*, Hook. var. *falcata*.)

See For. Fl. Cape, 332.

Chimanimani Mts. 7000 ft. male fl. Sep. Swyn. 1962; Mt. Pene, 7000 ft. Swyn. 6038.

FAMILY VI.—**PINACEAE**, *Lindl.*

- 38—**Callitris Whytei** (*Rendle*), *Torre & Harms*. (*Widdringtonia Whytei*, *Rendle*; *W. Mahoni*, *Masters*.)

For. Fl. Port. E. Afr. 109.

Chimanimani Mts. 7000 ft. Swyn. 1964; Melsetter, 6000 ft. fr. Sep. Swyn. 1963; Hutchins mentions for Umtali, Melsetter and Inyanga; also see Journ. Bot. 1906, 190 for Umtali and Melsetter.

DIVISION II.—**ANGIOSPERMAE.**CLASS **MONOCOTYLEDONEAE.**SERIES **PANDANALES.**FAMILY VIII.—**TYPHACEAE**, *J. St. Hil.*

- 49—**Typha australis**, *Schumach. & Thonn.*

Fl. Trop. Afr. viii. 135; Fl. Cap. vii. 31.

Upper Buzi Riv. and Inyamadzi Riv. Swyn.

SERIES **HELOBIAE.**FAMILY XI.—**POTAMOGETONACEAE**, *Engl.*

- 58—**Potamogeton fluitans**, *Roth.*

Fl. Cap. vii. 46; Fl. Trop. Afr. viii. 219; Cat. Afr. Pl. Welw. ii. 94.

Matopos, 4800 ft. April, Eyles, 36.

Genus No.

P. natans, L.

Fl. Cap. vii. 46; Harv. Gen. S.A. Pl. 387.

Matopos, streams, general, Sep. Gibbs, 94; Victoria Falls, common in river, Sep. Gibbs, 146; Salisbury, Rand, 540.

P. pusillum, L.

Fl. Cap. vii. 49; Fl. Trop. Afr. viii. 222.

Matopos, fl. & fr., Sep. Gibbs, 190, in streams.

FAMILY XIII.—APONOGETONACEAE, *Engl.*

65—**Aponogeton sp.**

No precise locality, Rand, 217.

FAMILY XV.—ALISMACEAE, *DC.*

80—**Burnatia enneandra, Micheli.**

Fl. Trop. Afr. vii. 213.

Matabeleland, Holub.

FAMILY XVII.—HYDROCHARITACEAE, *Aschers.*

86—**Hydrilla verticillata, Royle.**

Fl. Trop. Afr. vii. 2.

Victoria Falls, abundant in river, Sep. Gibbs, 136; Galpin, 7027.

90—**Blyxa sp.**

Salisbury, May, Flanagan, 3251, in ponds. "Distinct from *B. radicans*, Ridl. and probably new." H. Bolus.

95—**Ottelia paucifolia, A. Rich.**

Victoria Falls, Allen, 14.

O. vesiculata, Ridl.

Fl. Trop. Afr. vii. 7; Cat. Afr. Pl. Welw. ii. 2.

Matopos, 4800 ft. April, Eyles, 34.

SERIES GLUMIFLORAE.

FAMILY XIX.—GRAMINEAE, *B. Juss.*

102—**Zea Mays, L.**

Universally cultivated.

109—**Imperata arundinacea, Cyr.** (*I. cylindrica*, Beauv.)

Fl. Cap. vii. 320; Nat. Pl. ii. 101; Cat. Afr. Pl. Welw. ii. 135.

Salisbury, Mundy; Matabeleland, Jeffreys, 49; may be new sp.

Genus No.

var **Thunbergii** *Hack.*

Fl. Cap. vii. 320.

North Melssetter, 4000–5000 ft. Swyn.; Bulawayo, Munro, 982;
Marandellas, Engler; Umtali, Engler.111—**Saccharum munroanum**, *Hack.*Fl. Cap. vii. 321; Nat. Pl. ii. 102; Cat. Afr. Pl. Welw. ii.
136.

Matopos, Rogers, 5189.

112—**Erianthus teretifolius**, *Stapf.*

Journ. Linn. Soc. Bot. xxxvii. 478.

Victoria Falls, fl. & fr. Sep. Gibbs, 141; Rogers, 5098, 5315
Salisbury, Craster, 66.**E. sp.**Lochard, Govt. Herb. 2094, nr. *E. sorghum*.113—**Pollinia villosa**, *Spreng.*

Fl. Cap. vii. 325; Nat. Pl. ii. 109; Cat. Afr. Pl. Welw. ii. 136.

Victoria Falls, Sep. Gibbs, 153; Rogers, 5810.

P. sp.

Salisbury, Craster, 18.

119—**Ischæmum fasciculatum**, *Brongn.*

Fl. Cap. vii. 327; Cat. Afr. Pl. Welw. ii. 141.

Victoria Falls, Engler.

var. **arcuatum**, *Hack.*

Fl. Cap. vii. 327; Nat. Pl. ii. 104.

Lusitu Riv. 3000 ft. Swyn. 1652; Victoria Falls, Rogers,
5088.**I. spp.**

Salisbury, Craster, 37, 69.

126—**Rhytachne**, **sp.**

Salisbury, Craster, 56.

127—**Rottboellia compressa**, *L.*

Fl. Cap. vii. 329 (var.).

Salisbury, Mundy; Bulawayo, Rogers, 5868.

var. **fasciculata**, *Hack.*

Fl. Cap. vii. 329; Nat. Pl. ii. 105.

Heaney Jctn. Jeffreys, 17; North Melssetter, 4000–6000 ft.
Swyn.**R. exalata**, *L. fil.*

Victoria Falls, Rogers, 7076*.

131—**Trachypogon polymorphus**, *Hack.*

Fl. Cap. vii. 331 (var.); Nat. Pl. ii. 107 (var.).

Salisbury, Mundy; Victoria Falls, Rogers, 5395; Bulawayo,
Rogers, 5885.

Genus No.

132—**Elionurus argenteus**, *Nees*.

Fl. Cap. vii. 332; Nat. Pl. ii. 108.

Chirinda, 3700 ft. Jan. Swyn. 1694; Mt. Pene, 6500–7000 ft.

Sep. Swyn. 1648; Somabula, Govt. Herb. 666; Umtali, Engler.

var. **thymidora**, Stapf.

Fl. Cap. vii. 333.

Bulawayo, Rogers, 5882.

134—**Andropogon amplexens**, *Nees*.

Fl. Cap. vii. 342; Nat. Pl. ii. 116.

Heaney Jnctn. Jeffreys, 8, and 21; Somabula, Govt. Herb. 668.

A. ceresiæformis, *Nees*.

Fl. Cap. vii. 337; Nat. Pl. ii. 112; Cat. Afr. Pl. Welw. ii. 145.

Between Lusitu and Nyahodi, 5000 ft. April, Swyn. 1656;

Salisbury, Craster, 51.

A. connatus, *Chiov.*

Bulawayo, Rogers, 5918; Victoria Falls, Rogers, 5672.

A. contortus, *L.* (*Heteropogon contortus*, Roem. & Schult.)

Fl. Cap. vii. 350; Nat. Pl. ii. 121; Cat. Afr. Pl. Welw. ii. 153.

Bulawayo, in vlei, Jeffreys, 16; Rogers, 5900; Victoria, Monro,

907; Syringa, Matabeleland, Govt. Herb. 641, 642; Salisbury,

Craster, 62.

A. cymbarius, *L.* (*Cymbopogon elegans*, Spreng.)

Fl. Cap. vii. 360; Nat. Pl. 130; Cat. Afr. Pl. Welw. ii. 157.

Nyahodi Riv. 4000 ft. April, Swyn. 1675.

A. eucomis, *Nees*.

Fl. Cap. vii. 338; Nat. Pl. 113.

Matopos, fl. & fr. Sep. Gibbs, 23; Heaney Jnctn. Jan.

Jeffreys, 47.

A. filipendulus, *Hochst.* (*Cymbopogon filipendulus*, Rendle.)

Fl. Cap. vii. 362; Nat. Pl. 131; Cat. Afr. Pl. Welw. ii. 157.

Salisbury, March, Flanagan, 3003; Bulawayo, Rogers, 5898;

13508; Jeffreys, 69, forma *pilosior*, Hack.; North Melsetter,

4000–6000 ft. April, Swyn. 1687; Chirinda, 3500 ft. Jan. Swyn.

1640; Upper Buzi, 3000–3500 ft. April, Swyn. 985, 988, 990;

Umtali, Engler.

A. gayanus, *Kunth*.

See Cat. Afr. Pl. Welw. ii. 148.

Victoria, Monro, 991; Chirinda, 3800 ft. April, Swyn. 967;

Upper Buzi, 3000–3500 ft. April, Swyn. 984; Bulawayo, Rogers,

5865; Victoria Falls, Rogers, 5673.

A. gazense (*Rendle*), *Torre & Harms.* (*Cymbopogon gazense*, Rendle.)

Journ. Linn. Soc. Bot. xl. 226.

Chirinda, 3700 ft. Jan. Swyn. 1637.

Genus No.

134—**A. giganteus** (Chiov.), Torre & Harms. (*Cymbopogon giganteus*, Chiov.)

Chirinda, 3500 ft. Jan. Swyn. 1636 ; Upper Buzi, 3000–3500 ft. April, Swyn. 994.

A. halapensis, Brot.

Fl. Cap. vii. 346 (var.) ; Nat. Pl. 119 (var.)

Bulawayo, Rogers, 5880 ; Salisbury, Rogers, 5798.

A. hirtiflorus, Kunth. var. **semiberbis**, Stapf.

Fl. Cap. vii. 337 ; Nat. Pl. 111.

North Melsetter, 4000–6000 ft. April, Swyn. 1607 ; Chirinda, 3500 ft. Jan. Swyn. 1621.

A. hirtus, L.

Fl. Cap. vii. 355 ; Nat. Pl. 125.

Matopos, Oct. Gibbs, 288 ; Tabazinduna Mt. Jan. Jeffreys, 45 ;

Upper Buzi, 3000–3500 ft. Swyn. ; Victoria, Monro, 862,969 ;

Victoria Falls, Rogers, 13278*.

A. intermedius, R. Br.

Fl. Cap. vii. 345 ; Cat. Afr. Pl. Welw. ii. 149 ; Nat. Pl. 118.

Victoria, Monro, 945a ; Victoria Falls, Rogers, 1771*.

A. Jeffreysii, Hack.

Pro. Rhod. Sc. Assn. vii. pt. ii. 70.

Bulawayo, May, Jeffreys, 78.

A. Lecomtei, Franch.

Nyahodi Riv. 4000 ft. April, Swyn. 1660.

A. marginalis, L.

Govt. Herb. 634.

A. monticola, Schult. var. **Trinii**, Hook. (*A. Trinii*, Steud. var. *simplicior*, Hack.)

Heaney Jnctn. in vlei, Jeffreys, 26.

A. Nardus, L. var. **validus**, Stapf.

Fl. Cap. vii. 352 ; Nat. Pl. 122.

Salisbury, Mundy.

A. pertusus, Willd.

Fl. Cap. vii. 345 ; Nat. Pl. 466.

Bulawayo, in vlei, Dec. Jeffreys, 57 ; Rogers, 5899 ; Victoria,

Monro, 945a, 983 ; North Melsetter, 4000–6000 ft. April,

Swyn. 1613 ; Victoria Falls, Rogers, 7171.

A. rufus, Kunth. (*Cymbopogon rufus*, Rendle.)

Fl. Cap. vii. 358 ; Nat. Pl. 127 ; Cat. Afr. Pl. Welw. ii. 155.

Melsetter, 4000–6000 ft. April, Swyn. 1606, 1712 ; Lusitu Riv.

3500 ft. April, Swyn. 1655 ; Upper Buzi, 3000–3500 ft. April,

Swyn. 993 ; Victoria Falls, Rogers, 5084 ; Southern Rhodesia,

Rand, 411.

Genus. No.

134—var. **fulvicomus**, *Rendle*.

Upper Buzi, 3000–5000 ft. April, Swyn. 995.

A. Ruprechtii, *Hack.* (*Cymbopogon Ruprechtii*, *Rendle*.)

Fl. Cap. vii. 365; Nat. Pl. 132; Cat. Afr. Pl. Welw. ii. 160.

North Melsetter, 4000–5000 ft. April, Swyn. 1605, 1686;
Nyahodi Riv. 4000 ft. April, Swyn. 1659a; Upper Buzi,
3000–3500 ft. April, Swyn. 991; Matabeleland, Jeffreys,
4, 22.

A. Schimperi, *Hochst.* (*Cymbopogon Schimperi*, *Rendle*.)

Fl. Cap. vii. 357; Nat. Pl. 467; Cat. Afr. Pl. Welw. ii.
155.

Salisbury, March, Flanagan, 3000; North Melsetter, 4000–6000
ft. April, Swyn. 951; Upper Buzi, 3000–3500 ft. April, Swyn.
994a.

A. schirensis, *Hochst.*

Fl. Cap. vii. 340 (var.); Nat. Pl. 115 (var.); Cat. Afr. Pl. Welw.
ii. 148.

Chirinda, 3500 ft. Dec. Swyn. 1624.

A. Schœnanthus, *L.* (*Cymbopogon Schœnanthus*, *Spreng.*)

Fl. Cap. vii. 354 (var.); Cat. Afr. Pl. Welw. ii. 154.

Salisbury, Mundy; South Rhodesia, Rand, 410.

var. **densiflorus**, *Hack.*

Cat. Afr. Pl. Welw. ii. 154.

Melsetter, 6000 ft. April, Swyn. 2098.

var. **versicolor**, *Hack.*

Fl. Cap. vii. 354; Nat. Pl. 124.

North Melsetter, 4000–6000 ft. April, Swyn. 1689; Nyahodi
Riv. 4000 ft. April, Swyn. 1676; Chirinda, 3500 ft. Jan.
Swyn. 1641.

A. serratus, *Thunb.* var. **versicolor**, *Hack.*

Bulawayo, Jeffreys, 5.

A. sorghum, *Brot.* (*Sorghum vulgare*, *Pers.*)

Fl. Cap. vii. 347; Nat. Pl. 120; Cat. Afr. Pl. Welw. ii. 150.

A common cultivated crop.

A. squarrosus, *L. fil.* (*A. muricatum*, *Beauv.*)

Cat. Afr. Pl. Welw. ii. 153.

Victoria Falls, Allen, 261.

A. tamba (*Rendle*), *Torre & Harms.* (*Cymbopogon tamba*, *Rendle*.)

(*A. lepidus*, *Nees*, var. *tamba*, *Hack.*) (*A. cymbarius*, *L.* var.
lepidus, *Stapf.*)

Fl. Cap. vii. 361.

North Melsetter, 4000–6000 ft. April, Swyn. 950, 1690; Chirinda,
3800 ft. April, Swyn. 415; Victoria, Monro, 1058.

Genus No.

A. spp.

Salisbury, March, Flanagan, 3001.

Govt. Herb. 637.

Craster, 1, 59, 61, 63, 65, 72, 73, 74, 75.

Syringa, Matabeleland, Govt. Herb. 647.

Somabula, Govt. Herb. 669, nr. *Cymbopogon hirtus*.135—**Cleistachne sorghoides**, *Benth.*

Mazoe, 4300 ft. March, Eyles, 283.

136—**Themeda triandra**, *Forsk.* (*Anthistiria imberbis*, *Retz.*)

Fl. Cap. vii. 366; Cat. Afr. Pl. Welw. ii. 161.

North Melsetter, 4000–6000 ft. Swyn.; Chirinda, 3500 ft.

Swyn.; Lusitu Riv. 3000 ft. Swyn.; Nyahodi Riv. 4000 ft.

Swyn.

var. **glauca**, *Hack.* (*T. Forskalii*, *Hochst.* var. *glauca*, *Hack.*)

Fl. Cap. vii. see note, p. 368.

Salisbury, Craster, 26; Bulawayo, Rogers, 5881, 5903; Mashonaland, Govt. Herb. 703.

var. **imberbis**, *Hack.*

Fl. Cap. vii. 366; Nat. Pl. 133; Cat. Afr. Pl. Welw. ii. 161.

Bulawayo, Nov. Jeffreys, 39; Salisbury, Darling in Herb. Bolus, 10790; Syringa, Matabeleland, Govt. Herb. 631.

T. sp.

Charter, Govt. Herb. 3012.

143—**Tragus racemosus**, *All.*

Fl. Cap. vii. 577; Nat. Pl. 404.

Victoria Falls, Allen, 269; Bulawayo, in vlei, Dec. Jeffreys, 59;

Rogers, 5905, 5725; Salisbury, Mundy; Charter, Govt. Herb. 3013.

148—**Perotis indica**, *Schum.* (*P. latifolia*, *Ait.*)

Fl. Cap. vii. 575; Nat. Pl. 403; Cat. Afr. Pl. Welw. ii. 210;

Harv. Gen. S.A. Pl. 439.

Victoria Falls, Allen, 262; Rogers, 5582; Gwai, April, Flanagan,

3221; Chirinda, 3700 ft. Swyn.; Salisbury, Craster, 53;

Somabula, Govt. Herb. 657; Matabeleland, Jeffreys, 44.

153—**Arundinella Ecklonii**, *Nees.*

Fl. Cap. vii. 448; Nat. Pl. 183.

Heaney Jnctn. in vlei, Jeffreys, 31; Victoria Falls, Rogers, 5671³.154—**Melinis minutiflora**, *Beaur.*

Fl. Cap. vii. 447; Nat. Pl. 182; Cat. Afr. Pl. Welw. ii. 199.

Chirinda, 3500 ft. Swyn. 1694 (? same number given for *Pennisetum hordeiforme*).

Genus No.

161—**Paspalum scrobiculatum**, *L.*

Fl. Cap. vii. 370; Nat. Pl. 134; Cat. Afr. Pl. Welw. ii. 162.

Bulawayo, Monro, 991; Victoria Falls, Rogers, 5719; Salisbury, Craster, 17; Mundy; Melsetter, Govt. Herb. 2077; Swyn.; Chirinda, 3700 ft. Swyn.

P. semialatus (*Hook. f.*), *Torre & Harms*, var. *Ecklonii*, *Stapf*. (*Axonopus semialatus*, *Hk. f.* var. *Ecklonii*, *Stapf*.)

Fl. Cap. vii. 418; Nat. Pl. 166.

Melsetter, 6000 ft. Oct. Swyn. 6034; Mt. Pene, 6500–7000 ft. Sep. Oct. Swyn. 1644; 6035.

P. spp.

Charter, Govt. Herb. 3014.

Salisbury, Craster, 3.

165—**Isachne albens**, *Trin.*

Chipete Forest, 3800 ft. April, Swyn. 406.

166—**Panicum bolbodes**, *Schweinf.*

Cat. Afr. Pl. Welw. ii. 170.

North Melsetter, 4000–6000 ft. April, Swyn. 1699.

P. bizzanthum, *Hochst.*

Fl. Cap. vii. 386; Nat. Pl. 147; Cat. Afr. Pl. Welw. ii. 167.

Salisbury, Darling in Herb. Bolus, 10788; Craster, 29, 35; Victoria Falls, Rogers, 5699; North Melsetter, 4000–6000 ft. April, Swyn. 1602a; Nyahodi Riv. 4000 ft. April, Swyn. 1673; Chirinda, 3500 ft. Jan. Swyn. 1622; Enkeldoorn, Govt. Herb. 671.

P. bulawayense, *Hack.*

Pro. Rhod. Sc. Assn. vii. pt. ii. 69.

Bulawayo, Jeffreys, 28.

P. capillare, *L.*

Fl. Cap. vii. 407; Nat. Pl. 498.

Salisbury, Craster, 27; Bulawayo, Rogers, 5871*.

P. colonum, *L.*

Cat. Afr. Pl. Welw. ii. 173.

Victoria Falls, Rogers, 5575.

P. coloratum, *L.*

Fl. Cap. vii. 409.

Victoria Falls, Rogers, 5068*.

P. commutatum, *Nees*. (*Digitaria eriantha*, *Steud.*)

Fl. Cap. vii. 375; Nat. Pl. 137.

Bulawayo, Rogers, 5873?; South Rhodesia, Rhod. Agric. Journ. June, 1906, p. 500.

Genus No.

166—**P. dregeanum**, *Nees*.

Fl. Cap. vii. 411; Nat. Pl. 161.

Salisbury, Craster, 77, 78.

P. Helopus, *Trin.*

Fl. Cap. vii. 392, var.; Nat. Pl. 146, var.

Salisbury, Craster, 11; South Rhodesia, Rhod. Agric. Journ.
June, 1906, p. 500.**L. heterostachyum**, *Hack.*

Victoria Falls, Rogers, 7034*.

P. Isachne, *Roth.*

Fl. Cap. vii. 390; Nat. Pl. 149.

Matabeleland, Jeffreys, 11?; Salisbury, Mundy.

P. lævifolium, *Hack.*

Fl. Cap. vii. 405; Nat. Pl. 157.

Salisbury, Craster, 34; Mundy.

P. madagascariense, *Spreng.*

Cat. Afr. Pl. Welw. ii. 182.

North Melssetter, 3000–6000 ft. April, Swyn. 1702.

P. maximum, *Jacq.*Fl. Cap. vii. 404; Nat. Pl. 156; Cat. Afr. Pl. Welw. ii.
181.Heaney Jnctn. by river, Jeffreys, 12; Tabainduna Mt. Jeffreys,
32; Salisbury, Craster, 67; Mundy; Victoria Falls, Rogers,
7036, 7034, 5630; Chirinda, 3700–4000 ft. Swyn.; Bulawayo,
Rogers, 5872.var. **trichoglume**.

Victoria Falls, Allen, 260.

P. monodactylum, *Nees*. (*Digitaria monodactyla*, Stapf.)

Fl. Cap. vii. 373; Nat. Pl. 136; Cat. Afr. Pl. Welw. ii. 162.

Somabula, Govt. Herb. 663.

P. myosuroides, *R. Br.*

Cat. Afr. Pl. Welw. ii. 174.

Mazoe, 4300 ft. April, Eyles, 320; Victoria Falls, Rogers,
6006?.**P. nigropedatum**, *Munro*.

Fl. Cap. vii. 388.

Bulawayo, Nov. Jeffreys, 62; Rogers, 5901.

P. ramosum, *L.*

Victoria Falls, Rogers, 5720.

P. repens, *L.*

Fl. Cap. vii. 409.

Victoria Falls, Rogers, 5009*.

Genus No.

P. sanguinale, L. (*Digitaria sanguinalis*, Scop.)

Fl. Cap. vii. 378; Nat. Pl. 141; Cat. Afr. Pl. Welw. ii. 163.

Bulawayo, in vlei, Jeffreys, 2; South Rhodesia, Rhod. Agric.

Journ. 1906, p. 500; Victoria Falls, Rogers, 5723*, 5901*.

var. **ciliare, Hook. f.**

Cat. Afr. Pl. Welw. ii. 163.

Victoria Falls, Allen, 271; Chirinda, 3800 ft. April, Swyn. 964.

P. serratum, Spreng.

Fl. Cap. vii. 388; Nat. Pl. 148.

Charter, Govt. Herb. 3007; Victoria Falls, Rogers, 7057*.

var. **holosericeum, Hack.**

See Fl. Cap. vii. 389.

Chirinda, 3800 ft. Jan. Swyn. 1623.

P. staginum, Retz.

Fl. Cap. vii. 394; Nat. Pl. 492.

Heaney Jnctn. by river, Jeffreys, 3; Salisbury, Mundy, 801;

South Rhodesia, Rhod. Agric. Journ. 1906, p. 500.

P. Swynnertonii, Rendle.

Journ. Linn. Soc. Bot. xl. 230.

North Melsetter, 2000–6000 ft. April, Swyn. 1702a.

P. trichopus, Hochst.

Fl. Cap. vii. 391; Nat. Pl. 150.

Victoria Falls, Allen, 267; Salisbury, Mundy; Bulawayo, Rogers, 5891*.

P. uncinatum, Raddi.

Cat. Afr. Pl. Welw. ii. 184.

Chipete Forest, 3800 ft. Swyn.; Chirinda, 3700–4000 ft. Swyn.

P. zizanioides, H. B. K.

Fl. Cap. vii. 402; Nat. Pl. 154.

Salisbury, Craster, 22.

P. spp.

Victoria Falls, Rogers, 6006, nr. *P. hymeniochilum*, Nees.

Sebakwe, Govt. Herb. 2078, cf. *Digitaria ternata*, Stapf.

Matabeleland, Jeffreys, 68, n. sp.? nr. *P. serrati*, R. Br.

Salisbury, Craster, 9, 19, 20, 23, 24, 81.

167b—**Stereochlæna Jeffreysii, Hack.**

Pro. Rhod. Sc. Assn. vii. pt. ii. pp. 65, 66.

Bulawayo, May, Jeffreys, 46, 83.

168—**Tricholæna glabra, Stapf.**

Fl. Cap. vii. 446; Nat. Pl. 181.

South Rhodesia, Rhod. Agric. Journ. 1906, p. 500.

Genus No.

T. rhodesiana, *Rendle*.

Journ. Linn. Soc. Bot. xl. 232.

Chirinda Forest, 3700–4000 ft. Nov. Swyn. 1632; Nyahodi Riv. 4000 ft. April, Swyn. 1663.

var. **glabrescens**, *Rendle*.

Journ. Linn. Soc. Bot. xl. 233.

North Melsetter, 4000–6000 ft. April, Swyn. 1685.

T. rosea, *Nees*.

Fl. Cap. vii. 443; Nat. Pl. 180; Cat. Afr. Pl. Welw. ii. 194.

Victoria Falls, Allen, 270; Mazoe, 4400 ft. March, Eyles, 270; Bulawayo, Nov. Jeffreys, 53; Rogers, 5516, 5492, 5907, 5874; Salisbury, Mundy, 769; Craster, 30, 31; Darling, in Herb. Bolus, 10789; Rusapi, Engler; North Melsetter, 4000–6000 ft. Swyn.; Nyahodi Riv. 4000 ft. Swyn.; Chirinda, 3500–3800 ft. Swyn.; Upper Buzi, 3000–3500 ft. Swyn.; Syringa, Matabeleland, Govt. Herb. 653; South Rhodesia, Rand, 409.

169—**Oplismenus africanus**, *Beaur.*

Fl. Cap. vii. 416; Nat. Pl. 165; Cat. Afr. Pl. Welw. ii. 184.

Chipete Forest, 3800 ft. Swyn.; Victoria Falls, Engler; Rogers, 7400.

O. sp.

Victoria Falls, Sep. Gibbs, 158.

171—**Setaria aurea**, *A. Br.*

Fl. Cap. vii. 426; Nat. Pl. 479.

Bulawayo, in vlei, Nov. Jeffreys, 37, 56; Salisbury, Mundy, 802; Craster, 13, 14?, 15?; Victoria Falls, Rogers, 7241; North Melsetter, 4000–6000 ft. Swyn.; Chirinda, 3000 ft. Swyn.; Upper Buzi, Swyn.; Charter, Govt. Herb. 3004; Scath Rhodesia, Rhod. Agric. Journ. 1906, p. 500; Somabula, Govt. Herb. 661, 658.

S. flabellata, *Stapf*.

Fl. Cap. vii. 425.

Salisbury, Mundy.

S. Gerrardii, *Stapf*.

Fl. Cap. vii. 424; Nat. Pl. 170.

Bulawayo, Rogers, 5917; Syringa, Matabeleland, Govt. Herb. 632; South Rhodesia, Rhod. Agric. Journ. 1906, p. 500.

S. imberbis, *Roem. & Schult.*

Fl. Cap. vii. 427; Nat. Pl. 173.

Matopos, March, Flanagan, 2996; Bulawayo, Rogers, 5879.

S. italica, *Beaur.*

Fl. Cap. vii. 428.

Bulawayo, Rogers, 5878.

Genus No.

S. mauritiana, *Spreng.*

Cat. Afr. Pl. Welw. ii. 187.

Chirinda Forest, 3700–4000 ft. April, Swyn. 417.

S. nigrirostris, *Dur. & Sch.*

Fl. Cap. vii. 423; Nat. Pl. 169.

North Melseetter, 4000–6000 ft. April, Swyn. 1693; Salisbury, Mundy.

S. verticillata (*L.*), *Beauv.*

Fl. Cap. vii. 429; Nat. Pl. 174; Cat. Afr. Pl. Welw. ii. 185.

Bulawayo, Jeffreys, 6, Rogers, 5896; Salisbury, Craster, 38; Mundy; Chirinda, 3500 ft. Swyn.; Chipete Forest, 3800 ft. Swyn.; Chipete Forest, 3800 ft. Swyn.

S. spp.

Charter, Govt. Herb. 3002, 3011.

Salisbury, Craster, 60.

175—**Pennisetum cenchroides**, *Rich.* (*P. ciliare*, *Link.*)

Fl. Cap. vii. 433; Cat. Afr. Pl. Welw. ii. 190.

Tabazinduna Mt. Jan. Jeffreys, 35; Bulawayo, Rogers, 5909.

P. macrourum, *Trin.* (*P. hordeiforme*, *Spreng.*)

Fl. Cap. vii. 434.

North Melseetter, 3000–6000 ft. April, Swyn. 1694 (? same number given for *Melinis minutiflora*); South Rhodesia, Rhod. Agric. Journ. 1906, p. 501.

P. purpureum, *Schumach.* (*P. Bentharii*, *Steud.*)

Kew Bull. 1912, 309; Cat. Afr. Pl. Welw. ii. 189.

North Melseetter, 3000–6000 ft. April, Swyn. 955; Lusitu Riv. 3000 ft. Swyn.; Umtali, Engler; Matabeleland, Govt. Herb. 1099.

P. setosum, *L. Rich.*

Cat. Afr. Pl. Welw. ii. 190.

Upper Buzi, 3000 ft. April, Swyn. 975; Nyahodi Riv. 4000 ft. April, Swyn. 1664.

P. unisetum, *Benth.* (*P. longisetum*, *K. Schum.*) (*P. dioicum*, *A. Rich.*)

Fl. Cap. vii. 437; Nat. Pl. 178; Cat. Afr. Pl. Welw. ii. 192.

Lusitu Riv. 3000 ft. April, Swyn. 1649; Upper Buzi, 3000–3500 ft. April, Swyn. 983; Chirinda, 3500 ft. Swyn. 414.

184—**Olyra latifolia**, *L.*

Fl. Cap. vii. 746; Nat. Pl. 464; Cat. Afr. Pl. Welw. ii. 255.

Chipete Forest, 3800 ft. Swyn.

187—**Leptaspis cochleata**, *Thw.*

Cat. Afr. Pl. Welw. ii. 256.

Chirinda, 3700–4000 ft. Dec. and Jan. Swyn. 410, 419, 6633.

Genus No.

208—*Aristida adscensionis*, L.

Fl. Cap. vii. 554; Cat. Afr. Pl. Welw. ii. 202.

North Melssetter, 4000 ft. Swyn.; Syringa, Govt. Herb. 639;

Bulawayo, Rogers, 5968; Victoria Falls, Rogers, 5863.

A. æquiglumis, Hack.

Fl. Cap. vii. 555; Nat. Pl. 197.

South Rhodesia, Rhod. Agric. Journ. 1906, p. 500.

A. angustata, Stapf.

Fl. Cap. vii. 556; Nat. Pl. 198.

Heaney Jnctn. Jeffreys, 10; Bulawayo, Rogers, 13510*.

A. barbicollis, Trin. & Rupr.

Fl. Cap. vii. 559; Nat. Pl. 401.

North Melssetter, 4000 ft. April, Swyn. 1717; Salisbury, Craster, 50; Bulawayo, Rogers, 5904, 5887.

A. bipartita, Trin. & Rupr.

Fl. Cap. vii. 558; Nat. Pl. 483.

Matabeleland, Jeffreys, 63; Victoria Falls, Rogers, 7040*.

A. ciliata, Desf.

Fl. Cap. vii. 563.

South Rhodesia, Rhod. Agric. Journ. 1906, p. 500.

A. congesta, Roem. & Schult.

Fl. Cap. vii. 558; Nat. Pl. 484.

Matabeleland, Jeffreys, 87.

A. stipitata, Hack. (*A. sieberiana*, Trin. var. *stipitata*, Stapf.)

Fl. Cap. vii. 560.

Matabeleland, Jeffreys, 23.

A. stipoides, Lam.

Fl. Cap. vii. 562.

Matopos, Engler; North of Bulawayo, Engler.

A. spp.

Victoria Falls, Allen, 263.

Inglesi, Matabeleland, Govt. Herb. 679.

Charter, Govt. Herb. 3001, 3010.

230—*Sporobolus centrifugus*, Nees.

Fl. Cap. vii. 584; Nat. Pl. 406.

Mt. Pene, 6500–7000 ft. Sep. Swyn. 1647.

S. festivus, Hochst.

Cat. Afr. Pl. Welw. ii. 207.

Victoria Falls, Rogers, 5713; Syringa, Govt. Herb. 643; Salisbury, Craster, 8.

var. *fibrosus*.

Victoria Falls, Allen, 268.

Genus No.

var. **stuppeus**, *Stapf*.

Fl. Cap. vii. 582; Nat. Pl. 405; in Pro. Rhod. Sc. Assn. vii. pt. ii. p. 64, Hackel says, "A distinct species according to my opinion."

Heaney Jnctn. in vlel, Jan. Jeffreys, 34.

S. fimbriatus, *Nees*.

Fl. Cap. vii. 585; Nat. Pl. 486.

Victoria, Monro, 992; Salisbury, Rogers, 13509.

S. indicus, *R. Br.*

Fl. Cap. vii. 586; Nat. Pl. 408.

Salisbury, Darling, in Herb. Bolus, 10791; Mundy; Chirinda, 3700 ft. Jan. Swyn. 404.

var. **laxus**, *Stapf*. (*S. pyramidalis*, *Nees*.)

Fl. Cap. vii. 586.

Heaney Jnctn. Jeffreys, 24; Bulawayo, Rogers, 5877.

S. panicoides, *Rich.*

Bulawayo, Rogers, 5864.

S. spp.

Salisbury, Craster, 28, 33, 44, 80.

277—**Tristachya biseriata**, *Stapf*.

Fl. Cap. vii. 453; Cat. Afr. Pl. Welw. ii. 217.

North Melsetter, 3000–6000 ft. April, Swyn. 1708.

T. leucothrix, *Trin.*

Fl. Cap. vii. 453; Nat. Pl. 187.

Mt. Pene, 6500–7000 ft. Sep. Swyn. 1643.

278—**Trichopteryx gigantea**, *Stapf*.

South of Victoria Falls, Baines; Holub.

T. simplex, *Hack.*

Fl. Cap. vii. 450; Nat. Pl. 185.

North Melsetter, 4000–6000 ft. fr. April, Swyn. 1612, 1709; Nyahodi Riv. 4000 ft. April, Swyn. 1662; Chipetzana Source, 4000 ft. fr. April, Swyn. 974; Chirinda, 3700 ft. Jan. Swyn. 1618; Salisbury, Govt. Herb. 604; Matabeleland, Jeffreys, 15.

var. **minor**, *Stapf*.

Fl. Cap. vii. 450.

Salisbury, Craster, 21; Syringa, Govt. Herb. 649.

T. spp.

Salisbury, Craster, 55.

Engler, probably *T. simplex*, Hack.

Matapos, Rogers, 5194, probably n. sp.

280—**Danthonia inermis**, *Stapf*. (*Pentaschistis inermis*.)

Fl. Cap. vii. 534.

Victoria Falls, Rogers, 5671.

Genus No.

281—**Microchloa caffra**, *Nees*.

Fl. Cap. vii. 636 ; Nat. Pl. 431 ; Harv. Gen. S.A. Pl. 447.

Matabeleland, Jeffreys, 58.

282—**Cynodon Dactylon**, *Pers.*

Fl. Cap. vii. 634 ; Nat. Pl. 430 ; Cat. Afr. Pl. Welw. ii. 220.

Victoria Falls, Allen, 276 ; Rogers, 5718, 5876 ; Bulawayo, Dec. Jeffreys, 61 ; Rogers, 5514 ; Chubb, 92 ; Salisbury, Craster, 10 ; Mundy ; Chirinda, 3800 ft. Swyn.

C. incompletus, *Nees*.

Fl. Cap. vii. 635.

Salisbury, Mundy.

286—**Ctenium** *sp.*

Salisbury, Mundy.

288—**Chloris barbata**, *Sw.*

Cat. Afr. Pl. Welw. ii. 222.

Chirinda, 3500 ft. Swyn. ; North Melsetter, 4000 ft. Swyn.

C. gayana, *Kunth.* (*C. abyssinica*, Hochst.)

Fl. Cap. vii. 642 ; Nat. Pl. 437.

North Melsetter, 4000-6000 ft. April, Swyn. 1700 ; Salisbury, Mundy.

C. petræa, *Thunb.*

Fl. Cap. vii. 643 ; Nat. Pl. 438.

Matabeleland, Jeffreys, 52.

C. pycnothrix, *Trin.*

Fl. Cap. vii. 641 ; Nat. Pl. 435.

Victoria Falls, April, Flanagan, 3224 ; Chirinda, 3700 ft. Oct. and April, Swyn. 1629*a*, 1696 ; Salisbury, Craster, 25.**C. virgata**, *Swartz.*

Fl. Cap. vii. 641 ; Nat. Pl. 436.

Salisbury, Mundy, 768 ; Bulawayo, Rogers, 5875 ; Matabeleland, Jeffreys, 86 ; South Rhodesia, Rhod. Agric. Journ. 1906, p. 500.

var. **elegans**, *Stapf.*

Fl. Cap. vii. 642.

Salisbury, Craster, 7.

294—**Craspedorhachis rhodesiana**, *Rendle.*

Journ. Linn. Soc. Bot. xl. 233.

North Melsetter, 3000-6000 ft. April, Swyn. 1697.

C. sp.

Salisbury, Craster, 79.

298—**Tripogon abyssinicus**, *Nees.*

Cat. Afr. Pl. Welw. ii. 223.

Matabeleland, Jeffreys, 41.

Genus No.

304—**Eleusine coracana**, Gaertn.

Fl. Cap. vii. 645; Nat. Pl. 440; Cat. Afr. Pl. Welw. ii. 224.

South Rhodesia, Rhod. Agric. Journ. 1905, p. 115. A common native crop.

E. indica, Gaertn.

Fl. Cap. vii. 645; Nat. Pl. 439; Cat. Afr. Pl. Welw. ii. 224.

Heaney Jnctn. Jeffreys, 29; Salisbury, Mundy, 738; Craster, 36; North Melsester, 6000 ft. Swyn.; Chirinda, 3500 ft. Swyn.

305—**Dactyloctenium ægyptiacum**, Willd.

Fl. Cap. vii. 646; Nat. Pl. 441; Cat. Afr. Pl. Welw. ii. 224.

Heaney Jnctn. Jeffreys, 30; Victoria Falls, Rogers, 5592, 5726; North Melsester, 4000–6000 ft. Swyn.; Bulawayo, Rogers, 5886.

309b—**Crossotropis grandiglumis**, Rendle.

Fl. Cap. vii. 649; Nat. Pl. 443; Cat. Afr. Pl. Welw. ii. 226.

Heaney Jnctn. Jeffreys, 1; Bulawayo, Rogers, 5883*.

310—**Pappophorum molle**, Kunth. (*Enneapogon mollis*, Lehm.)

Fl. Cap. vii. 655.

Victoria Falls, 5694.

312—**Schmidtia bulbosa**, Stapf.

Fl. Cap. vii. 658.

Victoria Falls, Rogers, 5724; Bulawayo, Rogers.

S. pappophoroides, Steud. (*Antoschmidtia pappophoroides*, Boiss.)

Cat. Afr. Pl. Welw. ii. 231; also see note under *S. bulbosa*, Stapf, Fl. Cap. vii. 658.

Victoria Falls, Allen, 273.

333—**Phragmites communis**, Trin. (*Trichoon Phragmites*, Rendle.)

Fl. Cap. vii. 541; Nat. Pl. 193; Cat. Afr. Pl. Welw. ii. 218.

Nyahodi Riv. 4000 ft. Swyn.; Lusitu Riv. 2500 ft. Swyn.; Salisbury, Craster, 68; Matopos, Rogers, 5196 (forma); Victoria Falls, Engler; Umtali, Engler.

P. sp.

Victoria Falls, Rogers, 5317.

337—**Diplachne alopecuroides** (Stapf), Torre & Harms. (*Leptocarydion alopecuroides*, Stapf.)

Fl. Cap. vii. 649; Cat. Afr. Pl. Welw. ii. 225.

North Melsester, 3000–6000 ft. April, Swyn. 1695; Victoria Falls, Rogers, 7029*.

D. biflora, Hack. var. **Buchananii**, Stapf.

Fl. Cap. vii. 593; Nat. Pl. 411.

Chirinda, 3500 ft. Jan. Swyn. 1619; Syringa, Govt. Herb. 651.

Genus No.

337a—**Pogonarthria Marlothii**, Hack. (*Eragrostis Marlothii*, Hack.; *Leptochloa falcata*, Hack.; *Pogonarthria falcata*, Rendle.)

See note by Hackel in Pro. Rhod. Sc. Assn. vii. pt. ii. 64.

Fl. Cap. vii. 589; Nat. Pl. 409; Cat. Afr. Pl. Welw. ii. 232.

Victoria Falls, Rogers, 6013, 7043; North Melsetter, 3000–6000 ft.

April, Swyn. 1609, 1706; Nyahodi Riv. 4000 ft. April, Swyn.

1674a; Upper Buzi, 3000–3500 ft. April, Swyn. 978, 981, 982;

Salisbury, Craster, 52, 57, 71; North of Bulawayo, Engler;

Matabeleland, Jeffreys, 27, 79.

341—**Eragrostis abyssinica**?

Govt. Herb. 2079.

E. aspera, Nees.

Fl. Cap. vii. 628; Nat. Pl. 424; Cat. Afr. Pl. Welw. ii. 232.

Chirinda, 3700–4000 ft. Swyn.; Victoria Falls, Rogers, 7038^a.

E. Atherstonei, Stapf.

Fl. Cap. vii. 607; Nat. Pl. 426.

Somabula, Govt. Herb. 667; Matabeleland, Jeffreys, 19.

E. barbinodis, Hack.

Fl. Cap. vii. 621.

Bulawayo, March, Jeffreys, 51.

E. brizoides, Nees.

Fl. Cap. vii. 622; Nat. Pl. 422; Cat. Afr. Pl. Welw. ii. 251.

Mt. Pene, 6500 ft. Sep. Swyn. 1646; Charter, Govt. Herb. 3009;

Salisbury, Mundy; Victoria Falls, Rogers; South Rhodesia,

Rhod. Agric. Journ. 1906, p. 501.

E. chalcantha, Trin.

Fl. Cap. vii. 615; Nat. Pl. 418; Cat. Afr. Pl. Welw. ii. 248.

Victoria Falls, Allen, 274; Heaney Jnctn. by river, Jeffreys, 18;

North Melsetter, 3000–6000 ft. Swyn.; Enkeldoorn, Govt.

Herb. 672; Somabula, Govt. Herb. 662; Umtali, Engler.

E. Chapelieri, Nees.

Fl. Cap. vii. 614; Nat. Pl. 417; Cat. Afr. Pl. Welw. ii. 250.

North Melsetter, 3000–6000 ft. Swyn. 1707; Nyahodi Riv.

4000 ft. Swyn. 1674; Upper Buzi, 3000–3500 ft. April, Swyn.

980; Umtali, Engler; Matabeleland, Jeffreys, 20.

E. chloromelas, Steud.

Fl. Cap. vii. 602.

Bulawayo, Rogers, 5892.

E. congesta, Oliv.

Nyahodi Riv. 4000 ft. April, Swyn. 1665.

E. curvula, Nees.

Fl. Cap. vii. 599; Nat. Pl. 413; Cat. Afr. Pl. Welw. ii. 244.

Bulawayo, Rogers, 5515; Salisbury, Mundy.

Genus No.

341—**E. denudata**, *Hack.*

Fl. Cap. vii. 613.

Syringa, Govt. Herb. 650 ; Victoria Falls, Rogers, 5721*.

E. gangetica, *Steud.*

Fl. Cap. vii. 617 ; Nat. Pl. 419.

Victoria Falls, Rogers, 7044 ; Matopos, Rogers, 5694.

E. gummiflua, *Nees.*

Fl. Cap. vii. 629 ; Nat. Pl. 425.

Heaney Jnctn. in vlel, Jeffreys, 13 ; Bulawayo, Rogers, 5884 ;

Salisbury, Mundy.

E. hispida, *K. Schum.*

Salisbury, Craster, 16.

E. Jeffreysii, *Hack.*

Pro. Rhod. Sc. Assn. vii. pt. ii. 68.

Bulawayo, March, Jeffreys, 42.

E. Lappula, *Nees*, var. **divaricata**, *Stapf*, forma *macra*, *Hack.*

Fl. Cap. vii. 628.

Matabeleland, Jeffreys, 75.

E. lehmanniana, *Nees.*

Fl. Cap. vii. 601.

Bulawayo, Rogers, 5895 ? ; Somabula, Govt. Herb. 659.

E. major, *Host.*

Fl. Cap. vii. 620 ; Nat. Pl. 420 ; Cat. Afr. Pl. Welw. ii. 237.

North Melssetter, 4000–6000 ft. Swyn. ; Upper Buzi, 3000–3500 ft.

Swyn. ; between Wankie and Victoria Falls, Rogers, 6005 ;

Bulawayo, Rogers, 5869, 5867 ; Victoria Falls, Rogers, 5787 ?

E. namaquensis, *Nees.* (*E. interrupta*, Beauv. var. *namaquensis*, Dur. & Schinz.)

Fl. Cap. vii. 630 ; Cat. Afr. Pl. Welw. ii. 233.

North Melssetter, 4000–6000 ft. April, Swyn. 1608.

var. **robusta**, *Stapf.*

Fl. Cap. vii. 630 ; Nat. Pl. 429.

Matabeleland, Jeffreys, 25.

E. patentipilosa, *Hack.*

Pro. Rhod. Sc. Assn. vii. pt. ii. 67.

Bulawayo, May, Jeffreys, 33.

E. plana, *Nees.*

Fl. Cap. vii. 609 ; Nat. Pl. 416 ; Cat. Afr. Pl. Welw. ii. 251.

Melssetter, 6000 ft. April, Swyn. 1681 ; Chirinda, 3500 ft. Nov.–

Jan. Swyn. 404a, 968, 1626.

E. plumosa, *Link.*

Matopos, Rogers, 5405 ; Bulawayo, Rogers, 5888.

Genus No.

E. sclerantha, *Nees*, var. **retinorrhœa**, *Steud.*

Fl. Cap. vii. 615, type.

Matopos, Engler.

E. superba, *Peyr.*

Fl. Cap. vii. 622; Nat. Pl. 421; Cat. Afr. Pl. Welw. ii. 251.

Bulawayo, in vlei, Dec. Jeffreys, 38, 50; Rogers, 5908; Charter, Govt. Herb. 3003; Salisbury, Mundy.

E. tenella, *Stapf*, var. **plumosa**.

Matopos, March, Flanagan, 2943.

E. uniglumis, *Hack.*

Pro. Rhod. Sc. Assn. vii. pt. ii. 66.

Heaney Jnctn. Jan. Jeffreys, 48; Salisbury, Mundy.

E. viscosa, *Trin.* (*E. tenella*, Beauv. var. *viscosa*, Stapf.)

Cat. Afr. Pl. Welw. ii. 233.

Heaney Jnctn., in vlei, Jeffreys, 14; Salisbury, Mundy.

E. Wilmsii, *Stapf.*

Fl. Cap. vii. 606.

Syringa, Govt. Herb. 640.

E. spp.

Victoria Falls, April, Flanagan, 3212, 3222.

Victoria Falls, Allen, 266, cf. *E. pilosa*, Beauv.

Victoria Falls, Rogers, 5418.

Syringa, Govt. Herb. 638, 644, 652, 655, 660, 682.

Charter, Govt. Herb. 3005, 3008.

Salisbury, Craster, 4, 5, 6, 32, 39, 54, 58, 64, 76.

346—**Kœleria cristata**, *Pers.*

Fl. Cap. vii. 468; Nat. Pl. 189.

Mt. Penc, 6500–7000 ft. Swyn.

361—**Pœcilostachys flaccidula**, *Stapf.*

Journ. Linn. Soc. Bot. xl. 231.

Chipete Forest, 3800 ft. April, Swyn. 409a.

385—**Festuca sp.**Bulawayo, 4500 ft. Dec. Eyles, 1203, cf. *F. costata*, Nees.395—**Lolium sp.**

Victoria, Munro, 492.

405—**Agropyrum lepidus**, ? var. **tamba**.

Victoria, Munro, 1058.

430—**Oxytenanthera abyssinica**, *Munro*.

Cat. Afr. Pl. Welw. ii. 256.

Victoria Falls, Rogers, 5603.

FAMILY XX.—CYPERACEAE, *J. St. Hil.*

Genus No.

452—**Lipocarpha argentea**, *R. Br.*

Fl. Cap. vii. 265 ; Fl. Trop. Afr. viii. 469 ; Cat. Afr. Pl. Welw.
ii. 129.

Matopos, Rogers, 5262 ; Chirinda, 3500 ft. Swyn.

L. monocephala, *Turrill.*

Kew Bull. 1913, 307.

Victoria Falls, Rain Forest, Rogers, 6024.

454—**Ascolepis capensis**, (*Kunth.*), *Ridley.*

Fl. Cap. vii. 266 ; Fl. Trop. Afr. viii. 477 ; Cat. Afr. Pl. Welw.
ii. 131.

Marandellas, Engler ; Rogers, 4040 ; South. Rhodesia, Bryce.

A. protea, *Welw.*

Fl. Trop. Afr. viii. 474 ; Cat. Afr. Pl. Welw. ii. 130.

Victoria Falls, Allen, 22.

var. **bellidiflora**, *Welw.*

Fl. Trop. Afr. viii. 475 ; Cat. Afr. Pl. Welw. ii. 130.

Victoria, Monro, 905.

459—**Cyperus albobstriatus**, *Schrad.*

Fl. Cap. vii. 176.

Mt. Pene, 7000 ft. Oct. Swyn. 6036.

C. amabilis, *Vahl.*

Fl. Trop. Afr. viii. 327 ; Cat. Afr. Pl. Welw. ii. 109.

Salisbury, Craster, 47 ; Victoria Falls, Rogers, 6011.

C. aristatus, *Rottb.*

Fl. Trop. Afr. viii. 348 ; Fl. Cap. vii. 179 ; Cat. Afr. Pl. Welw.
ii. 110.

Victoria Falls, Allen, 286 ; Bulawayo, Rogers, 5816.

C. auricomus, *Spr. ?*

Bulawayo, Rogers, 5512.

C. betschuanus, *Boeck.* (*Pycneus betschuanus*, C. B. Cl.)

Fl. Trop. Afr. viii. 304 ; Fl. Cap. vii. 159.

Mashonaland, Bryce.

C. compactus, *Lam.*

Fl. Trop. Afr. viii. 319 ; Fl. Cap. vii. 168 ; Cat. Afr. Pl. Welw.
ii. 112.

North Melsetter, 2000–6000 ft. April, Swyn. 916*b* ; Mt. Pene,
6800 ft. Sep. Swyn. 916 ; Somabula, Govt. Herb. 665 ;
Salisbury, Rogers, 4087 ; Matabeleland, Elliott.

var. **flavissimus**, *C. B. Cl.*

Fl. Trop. Afr. viii. 320 ; Cat. Afr. Pl. Welw. ii. 112.

Victoria, Monro, 676.

Genus No.

459—**C. denudatus**, *L. fil.*

Fl. Trop. Afr. viii. 338 ; Fl. Cap. vii. 173 ; Cat. Afr. Pl. Welw. ii. 114.

Matopos, fl. & fr. Sep. Gibbs, 56 ; Victoria Falls, on island, Kirk ; Rogers, 5966.

C. distans, *L. fil.*

Fl. Trop. Afr. viii. 349 ; Fl. Cap. vii. 178 ; Cat. Afr. Pl. Welw. ii. 116.

Chirinda, 3700 ft. Swyn. ; Victoria Falls, Rogers, 5600 ; Bulawayo, Rogers, 5813.

C. esculentus, *L.*

Fl. Trop. Afr. viii. 355 ; Fl. Cap. vii. 180 ; Cat. Afr. Pl. Welw. ii. 117.

Gwai, April, Flanagan, 3215 ? ; Salisbury, Craster, 40, 41.

C. globosus, *Boeck.* (*Pycneus globosus*, Reichb. var. *nilagirica*, C. B. Cl.)

Fl. Trop. Afr. viii. 299 ; Fl. Cap. vii. 159.

Umtali, Engler.

C. Haspan, *L.*

Fl. Trop. Afr. viii. 332 ; Cat. Afr. Pl. Welw. ii. 114.

Victoria Falls, Engler ; Rogers, 5081 ; Chirinda, 3500 ft. Swyn.

var. **americana**, *Boeck.*

Victoria Falls, on bog edge, fl. & fr. Sep. Gibbs, 167.

C. hemisphaericus (*C. B. Cl.*), *Torre & Harms.* (*Mariscus hemisphaericus*, C. B. Cl.)

Fl. Trop. Afr. viii. 400.

Chirinda, 3800 ft. April, Swyn. 412.

C. margaritaceus, *Vahl.*

Fl. Trop. Afr. viii. 321 ; Fl. Cap. vii. 169 ; Cat. Afr. Pl. Welw. ii. 112.

Gwai, April, Flanagan, 3216 ; Salisbury, Craster, 45 ; Rogers, 4087.

C. Mundtii, *Kunth.* (*Pycneus Mundtii*, Nees.)

Fl. Trop. Afr. viii. 294 ; Fl. Cap. vii. 157 ; Cat. Afr. Pl. Welw. ii. 106.

Victoria Falls, in bog, fl. & fr. Sep. Gibbs, 149 ; Engler.

C. papyrus, *L.*

Fl. Trop. Afr. viii. 374 ; Cat. Afr. Pl. Welw. ii. 118.

Victoria Falls, on island, Rogers, 5103 ; Matopos, Rogers.

C. polystachyus, *Rottb.* (*Pycneus polystachyus*, Beauv.)

Fl. Trop. Afr. viii. 296 ; Fl. Cap. vii. 157 ; Cat. Afr. Pl. Welw. ii. 108.

Sabi Riv. 1000 ft. Swyn.

Genus No.

var. **laxiflora**, *Benth.*

Fl. Trop. Afr. viii. 297; Fl. Cap. vii. 158.

Chirinda, 3500 ft. Swyn.

C. pulcher, *Thunb.* (*C. dregeanus*, Kunth.)

Fl. Cap. vii. 171.

Victoria Falls, Rogers, 5619.

C. radiatus, *Vahl.* (*Mariscus radiatus*?)

Fl. Trop. Afr. viii. 369.

Victoria Falls, Rogers, 5574.

C. sieberianus (*Nees*), *Torre & Harms.* (*Mariscus sieberianus*, *Nees.*)

Fl. Trop. Afr. viii. 388; Fl. Cap. vii. 189.

Chirinda, 3800 ft. Swyn.

C. sphærospermus, *Schrad.*

Fl. Trop. Afr. viii. 336; Fl. Cap. vii. 172; Cat. Afr. Pl. Welw. ii. 115.

Salisbury, Craster, 48?

C. textilis, *Thunb.*

Fl. Cap. vii. 174.

Mazoe, 4300 ft. Sep. Eyles, 425; Bulawayo, Chubb, 30.

C. Zollingeri, *Steud.*

Fl. Trop. Afr. viii. 360; Cat. Afr. Pl. Welw. ii. 117.

Victoria Falls, Allen, 279.

C. spp.

Victoria Falls, April, Flanagan, 3213, cf. *C. nitens*, Retz.

Victoria Falls, April, Flanagan, 3214, cf. *C. aureobruneus*, C. B. Cl.

Gwai, April, Flanagan, 3220, cf. *C. amabilis*, Vahl. and 3217.

Matopos, March, Flanagan, 2983.

Victoria, Monroe, 1057.

Bulawayo, Nov. Eyles, 1135, 1187.

South Rhodesia, Rand, 255, 256, 257, 258, 259, 406, 407.

461—**Courtoisia assimilis**, *C. B. Cl.*

Fl. Trop. Afr. viii. 404.

Matopos, Rogers, 5403.

C. cyperoides, *Nees.*

Fl. Trop. Afr. viii. 404.

Matabeleland, Holub.

462—**Kyllinga alba**, *Nees.*

Fl. Trop. Afr. viii. 271; Fl. Cap. vii. 151; Cat. Afr. Pl. Welw. ii. 105,

Chirinda, 3800 ft. May, Swyn. 459; Bulawayo, Chubb, 384;
banks of Zambesi, Holub.

K. erecta, *Schum.*

Fl. Cap. vii. 152; Cat. Afr. Pl. Welw. ii. 105.

Bulawayo, Rogers, 5513.

Genus No.

K. spp.

Salisbury, Darling, in Herb. Bolus, 2 spp.

Victoria Falls, Allen, 80.

467—**Fuirena glomerata**, *Lam.*

Fl. Trop. Afr. viii. 465; Cat. Afr. Pl. Welw. ii. 128.

Ngomi, April, Flanagan, 3218.

F. hirta, *Vahl.*

Fl. Cap. vii. 264.

Victoria Falls, Engler.

F. Oedipus, *C. B. Cl.*

Journ. Linn. Soc. Bot. xxxvii. 478.

Victoria Falls, Rain Forest, Sep. Gibbs, 125.

F. pachyrrhiza, *Ridl.*

Fl. Trop. Afr. viii. 464; Fl. Cap. vii. 262; Cat. Afr. Pl. Welw. ii. 129.

Salisbury, Craster, 49.

F. pubescens, *Kunth.*

Fl. Trop. Afr. viii. 463; Fl. Cap. vii. 261; Cat. Afr. Pl. Welw. ii. 128.

Chirinda, 3500 ft. Swyn.; Macheke, Rogers, 4050; Bulawayo, Rogers, 5517.

F. stricta, *Steud.*

Fl. Trop. Afr. viii. 465.

Matopos, fl. & fr. Sep. Gibbs, 92; Chirinda, 3700 ft. Jan. Swyn. 910.

F. subdigitata, *C. B. Cl.*

Journ. Linn. Soc. Bot. xxxvii. 477.

Matopos, Sep. Gibbs, 196.

F. umbellata, *Rottb.*

Fl. Trop. Afr. viii. 466.

Victoria Falls, Rogers, 5093*.

F. welwitschii, *Ridley.*

Fl. Trop. Afr. viii. 463.

Victoria Falls, Rogers, 13600*.

F. spp.

Bulawayo, Dec. Eyles, 1136.

Matopos, March, Flanagan, 2976.

Matopos, Sep. Gibbs, 54.

468—**Scirpus articulatus**, *L.*

Fl. Trop. Afr. viii. 453; Fl. Cap. vii. 228; Cat. Afr. Pl. Welw. ii. 126.

Victoria, Monro, 912.

Genus No.

S. corymbosus, *Roth.*

Fl. Trop. Afr. viii. 455; Fl. Cap. vii. 229; Cat. Afr. Pl. Welw. ii. 126.

Melsetter, 6000 ft. Sep. Swyn. 906; Inyamadzi Valley, 3000 ft. Oct. Swyn. 905.

S. fluitans, *L.*

Fl. Trop. Afr. viii. 449; Fl. Cap. vii. 213; Cat. Afr. Pl. Welw. ii. 126.

Matopos, in streams, fl. & fr. Sep. Gibbs, 211.

S. paludicola, *Kunth.*

Fl. Cap. vii. 230.

Victoria Falls, fl. & fr. Sep. Gibbs, 168; Engler.

S. supinus, *L.*

Fl. Trop. Afr. viii. 452.

Matopos, fl. & fr. Sep. Gibbs, 58.

469—**Heleocharis capitata**, *Boeck.* (*Eleocharis capitata*, R. Br.)

Fl. Trop. Afr. viii. 407.

Victoria Falls, Rain Forest, fl. & fr. Sep. Gibbs, 162; Engler.

H. Kirkii (*C. B. Cl.*), *Torre & Harms.* (*Eleocharis Kirkii*, *C. B. Cl.*)

Fl. Trop. Afr. viii. 410.

Victoria Falls, on island, Kirk.

471—**Fimbristylis Burchellii**, *Fic. & Hiern.* (*Bulbostylis Burchellii*, *C. B. Cl.*)

Fl. Trop. Afr. viii. 440; Fl. Cap. vii. 210; Cat. Afr. Pl. Welw. ii. 125.

Mazoe, Dec. Eyles, 483; Victoria Falls, April, Flanagan, 3223; Rogers, 7269; Salisbury, Craster, 42, 46; Bulawayo, Rogers, 5815; Ingesi, Govt. Herb. 675.

F. diphylla, *Vahl.*

Fl. Trop. Afr. viii. 415; Fl. Cap. vii. 200; Cat. Afr. Pl. Welw. ii. 122.

Chirinda, 3700 ft. Swyn.; Salisbury, Craster, 43.

F. exilis, *Roem. & Schl.*

Fl. Trop. Afr. viii. 418; Fl. Cap. vii. 201; Cat. Afr. Pl. Welw. ii. 123.

Victoria Falls, Allen, 265; Matopos, Rogers, 5170; Chirinda, 3000–6000 ft. Swyn.; Chimanimani Mts. 7000 ft. Swyn.; Upper Buzi, Swyn.

F. rhodesiana, *Rendle.*

Journ. Linn. Soc. Bot. xl. 222.

Upper Buzi, 4000–3500 ft. April, Swyn. 920.

Genus No.

- F. schœnoides** (*Kunth.*). *Torre & Harms.* (*Bulbostylis schœnoides*, Kunth.)
 Fl. Cap. vii. 206.
 Marandellas, Rogers, 4035.
- F. spp.**
 Matopos, Sep. Galpin, 7072; March, Flanagan, 2984.
 Mazoe, Dec. Eyles, 482.
- 512—**Eriospora villosula**, *C. B. Cl.*
 Fl. Trop. Afr. viii. 513.
 Chimanimani Mts. 7000 ft. Sep. Swyn. 918.
- 515—**Scleria Buchanani**, *Boeck.*
 Fl. Trop. Afr. viii. 499; Fl. Cap. vii. 295.
 Salisbury, Craster, 12; Victoria, Monro, 633.
- S. foliosa**, *A. Rich.*
 Fl. Trop. Afr. viii. 503.
 Victoria Falls, Rogers, 7169.
- S. sp.**
 Matopos, 5000 ft. Nov. Eyles, 1107.
- 525—**Carex condensata**, *Nees.*
 Fl. Trop. Afr. viii. 521; Fl. Cap. vii. 305.
 Mt. Pene, 6500–7000 ft. Sep. Swyn. 903.
- C. spicato-paniculata**, *C. B. Cl.*
 Fl. Trop. Afr. viii. 520; Fl. Cap. vii. 304.
 Chirinda, 3000 ft. June, Swyn. 413.

SERIES PRINCIPES.

FAMILY XXI.—PALMAE, *Linn.*

- 528—**Phoenix dactylifera**, *L.*
 Fl. Trop. Afr. viii. 102; For. Fl. Port. E. Afr. 110.
 Chirinda, 3500 ft. fl. & fr. Oct. Swyn. 666.
- P. reclinata**, *Jacq.*
 For. Fl. Cape, 341; Cat. Afr. Pl. Welw. ii. 82; Fl. Cap. vii. 29;
 Fl. Trop. Afr. viii. 103; For. Fl. Port. E. Afr. 110.
 Victoria Falls, Davy; Palm Grove, Engler.
- 553—**Hyphæne crinita**, *Gaertn.*
 Fl. Trop. Afr. viii. 121; Fl. Cap. vii. 30; For. Fl. Port. E. Afr. 111.
 Gwanda, Noble, 77.
- H. ventricosa**, *Kirk.*
 Fl. Trop. Afr. viii. 122.
 Victoria Falls, Kirk; Engler.

SERIES SPATHIFLORAE.

FAMILY XXIII.—ARACEAE, Neck.

Genus No.

690—**Culcasia scandens**, Beauv.

Fl. Trop. Afr. viii. 174 ; Cat. Afr. Pl. Welw. ii. 90.

Chirinda Forest, 3700–4000 ft. fl. & fr. Jan. Swyn. 98.

723—**Amorphophallus mossambicensis**, Klotzsch.

Fl. Trop. Afr. viii. 150.

Victoria Falls, Allen, 42.

A. sp.

Mazoe, Mundy.

748—**Zantedeschia melanoleuca**, Engl. var. **tropicalis**, N. E. Br.

(*Richardia melanoleuca*, Hook. f.)

Fl. Trop. Afr. viii. 168 ; Fl. Cap. vii. 38.

Salisbury, Cecil, 149.

SERIES FARINOSAE.

FAMILY XXIX.—XYRIDACEAE, Lindl.

826—**Xyris capensis**, Thunb.

Fl. Trop. Afr. viii. 13 ; Fl. Cap. vii. 6 ; Cat. Afr. Pl. Welw. ii. 68.

Matopos, 4800 ft. March, Eyles, 1031 ; Sep. Gibbs, 85.

X. dispar, N. E. Br.

Fl. Trop. Afr. viii. 12.

Salisbury, Cecil, 152.

X. Hildebrandtii, Nilss. (*X. Umbilonis*, Nilss.)

Fl. Trop. Afr. viii. 24 ; Fl. Cap. vii. 4 ; Cat. Afr. Pl. Welw. ii. 67.

Matopos, 4800 ft. March, Eyles, 1029.

X. multicaulis, N. E. Br.

Fl. Trop. Afr. viii. 20.

Victoria Falls, Rain Forest, Galpin, 7040 ; Sep. Gibbs, 169 ; Engler.

X. obscura, N. E. Br.

Fl. Trop. Afr. viii. 16.

Salisbury, Cecil, 152a.

X. spp.

Matopos, March, Flanagan, 2970.

South Rhodesia, Rand, 248.

FAMILY XXX.—ERIOCAULACEAE, *Lindl.*

Genus No.

828—**Eriocaulon africanum**, *Hochst.*

Fl. Cap. vii. 56.

Odzani River Valley, Umtali; Teague, 239.

E. amphibium, *Rendle.*

Journ. Linn. Soc. Bot. xxxvii. 475.

Matopos, Gibbs.

E. bifistulosum, *Van Heurck.*

Fl. Trop. Afr. viii. 239.

Mazoe, 4300 ft. April, Eyles.

E. lacteum, *Rendle.*

Fl. Trop. Afr. viii. 245; Cat. Afr. Pl. Welw. ii. 99.

Mashonaland, Bryce.

E. matopense, *Rendle.*

Journ. Linn. Soc. Bot. xxxvii. 475.

Matopos, Gibbs.

E. submersum, *Welw.*

Fl. Trop. Afr. viii. 240; Cat. Afr. Pl. Welw. ii. 100.

Matopos, 4800 ft. April, Eyles, 65.

E. subulatum, *N. E. Br.*

Fl. Trop. Afr. viii. 255.

Victoria Falls, Kirk; May, Eyles, 125; Davy; Sep. Gibbs, 175;

Engler; July, Kolbe, 3141; Rogers, 5806.

830—**Pæpalanthus Wahlbergii**, *Körn.*

Fl. Trop. Afr. viii. 263; Fl. Cap. vii. 59; Cat. Afr. Pl. Welw. ii. 102.

Matopos, Sep. Gibbs, 86.

FAMILY XXXIII.—COMMELINACEAE, *Reichb.*896—**Commelina africana**, *L.*

Fl. Cap. vii. 9; Fl. Trop. Afr. viii. 45.

Salisbury, Rogers, 5805*.

C. Bainesii, *C. B. Cl.*

Fl. Trop. Afr. viii. 57; Cat. Afr. Pl. Welw. ii. 79.

Mangwe Riv. Baines.

C. benghalensis, *L.*

Fl. Trop. Afr. viii. 41; Fl. Cap. vii. 9; Cat. Afr. Pl. Welw. ii. 76.

Matabeleland, Elliott; Victoria Falls, Rogers, 7249*; Salisbury, Rogers, 5803*; Matopos, Rogers, 5636*.

Genus No.

C. Cecilae, *C. B. Cl.*

Fl. Trop. Afr. viii. 51.

Gwelo, Cecil.

C. Forskalei, *Vahl.*

Fl. Trop. Afr. viii. 44 ; Cat. Afr. Pl. Welw. ii. 77.

Victoria Falls, Allen, 93 ; Matabeleland, Elliott.

C. krebsiana, *Kunth.*

Fl. Trop. Afr. viii. 47 ; Fl. Cap. vii. 10.

Matabeleland, Elliott.

C. Livingstoni, *C. B. Cl.*

Fl. Trop. Afr. viii. 59 ; Fl. Cap. vii. 11.

Matabeleland, Elliott.

C. nudiflora, *L.*

Fl. Trop. Afr. viii. 36 ; Fl. Cap. vii. 8 ; Cat. Afr. Pl. Welw. ii. 74.

Victoria Falls, Sep. Gibbs, 120.

C. spectabilis, *C. B. Cl.*

Fl. Trop. Afr. viii. 51 ; Cat. Afr. Pl. Welw. ii. 78.

Victoria Falls, Allen, 223.

C. zambesica, *C. B. Cl.*

Fl. Trop. Afr. viii. 43.

Victoria Falls, Rogers, 7249*, 7266*.

C. spp.

Victoria Falls, Allen, 282, cf. *C. purpurea*, *C. B. Cl.*

Victoria Falls, April, Flanagan, 3160.

Bulawayo, 4500 ft. Eyles, 100, cf. *C. eckloniana*, *Kunth.*

South Rhodesia, Rand, 251, 252, 253.

899—**Aneilema æquinoctiale**, *Kunth.* (*A. adhaerens*, *Kunth.*)

Fl. Trop. Afr. viii. 65 ; Fl. Cap. vii. 12 ; Nat. Pl. 284 ; Cat. Afr.

Pl. Welw. ii. 79.

Bulawayo, 4600 ft. Dec. Eyles, 77 ; March, Monro ; Salisbury to

Bulawayo, Cecil, 81 ; Matabeleland, Elliott.

A. dregeana, *Kunth.*

Fl. Trop. Afr. viii. 70 ; Fl. Cap. vii. 13.

Gwelo, Jan. Gardner.

A. Johnstoni, *K. Schum.*

Fl. Trop. Afr. viii. 67.

Gwai Forest, Allen, 237 ; Nr. Luia Riv. Nicholson.

A. Nicholsoni, *C. B. Cl.*

Fl. Trop. Afr. viii. 70.

Nr. Luia Riv. Nicholson.

A. nyasense, *C. B. Cl.*

Fl. Trop. Afr. viii. 66.

Odzani River Valley, Umtali, Teague, 124.

Genus No.

A. sinicum, Lindl.

Fl. Trop. Afr. viii. 63 ; Fl. Cap. vii. 12 ; Nat. Pl. 294 ; Cat. Afr. Pl. Welw. ii. 79.

Malindi, Gwai Forest, 3600 ft. Allen, 249 ; Chirinda Forest, 3700–4000 ft. May, Swyn. 765 ; Odzani River Valley, Umtali, Teague, 120.

var. **longifolia, C. B. Cl.**

Salisbury, Cecil, 148.

A. sp.

South Rhodesia, Rand, 254.

904—**Cyanotis fœcunda, Hassk.**

Fl. Trop. Afr. viii. 80.

Matabeleland, Elliott.

C. nodiflora, Kunth.

Fl. Trop. Afr. viii. 82 ; Fl. Cap. vii. 14 ; Cat. Afr. Pl. Welw. ii. 80. Inyanga, Cecil, 211 ; Bulawayo, March, Monro ; Victoria Falls, Rogers, 5379.

908—**Floscopa glomerata, Hassk.**

Fl. Trop. Afr. viii. 86 ; Fl. Cap. vii. 15 ; Cat. Afr. Pl. Welw. ii. 80. Victoria Falls, Sep. Gibbs, 297 ; Engler ; Kirk ; Rogers, 5080 ; Chirinda, 3700 ft. fl. & fr. June, Swyn. 764 ; Upper Buzi, 3000 ft. fl. & fr. April, Swyn. 761 ; Odzani River Valley, Umtali, Teague, 209.

F. sp.

Victoria Falls, Rain Forest, Sep. Galpin, 7033, cf. *F. glomerata*, Hassk.

SERIES LILIIFLORAE.

FAMILY XXXVI.—JUNCACEAE, Vent.

936—**Juncus Fontanesii, J. Gay.**

Fl. Trop. Afr. viii. 94.

Matopos, fl. & fr. Sep. Gibbs, 57.

FAMILY XXXVIII.—LILIACEAE, Hall.

963—**Gloriosa superba, L.**

Fl. Trop. Afr. vii. 563 ; Fl. Cap. vi. 526 ; Cat. Afr. Pl. Welw. ii. 65. Bulawayo, 4500 ft. Jan. Eyles, 1054 ; Matopos, Marloth ; 4800 ft. Jan. Eyles, 32 ; Selukwe, Gardner, 37 ; Chipetzana Riv. 3000 ft. April, Swyn. ; Chirinda, 3800 ft. Dec. Swyn. 6057, 6509 ; Victoria Falls, Rogers, 5622 ; South Rhodesia, Rand, 244.

Genus No.

G. virescens, *Lindl.* (*G. simplex*, L.)

Fl. Trop. Afr. vii. 563; Fl. Cap. vi. 526; Nat. Pl. 396; Cat. Afr. Pl. Welw. ii. 65.

Victoria Falls, Allen, 117; Odzani River Valley, Umtali, Teague, 2.

G. sp.

Mazoe, 4800 ft. Dec. Eyles, 493.

969—**Androcymbium subulatum**, *Baker.* (*A. melanthioides*, Willd. var.)

Fl. Trop. Afr. vii. 559; Fl. Cap. vi. 517.

Matabeleland, Oates; Umsweswe Riv. Baines.

973—**Ornithoglossum glaucum**, *Salisb.*

Fl. Trop. Afr. vii. 561; Fl. Cap. vi. 525.

Bulawayo, Eyles; Chubb, 389.

var. **grandiflorum**, *Baker.*

Fl. Trop. Afr. vii. 561; Fl. Cap. vi. 525.

Bulawayo, March, Monro.

989—**Anthericum anceps**, *Baker.*

Fl. Trop. Afr. vii. 482; Fl. Cap. vi. 382.

Matabeleland, Elliott.

A. elongatum, *Willd.* (*A. filiforme*, Thunb.)

Fl. Trop. Afr. vii. 491; Fl. Cap. vi. 389.

Bulawayo, 4500 ft. Nov. Eyles, 17; Chipetzana Riv. 3000 ft. April, Swyn. 773.

A. hispidum, *L.*

Fl. Cap. vi. 393.

Bulawayo, Rogers, 11323.

A. longistylum, *Baker* ex. descr.

Fl. Cap. vi. 381.

Bulawayo, Eyles, 572.

A. matabelense, *Baker.*

Fl. Trop. Afr. vii. 484.

Matengwe ? Riv. Holub.

A. Oatesii, *Baker.*

Fl. Trop. Afr. vii. 491; Journ. Bot. 1878, 324.

Matabeleland, Oates; Elliott.

A. recurvifolium, *Baker.*

Kew Bull. 1906, 28.

Salisbury, Cecil, 143.

A. rhodesianum, *Rendle.*

Journ. Linn. Soc. Bot. xl. 216.

Melsetter, 6000 ft. Oct. Swyn. 6056.

Genus No.

A. spp.

- Bulawayo, 4500 ft. Nov. Eyles, 9 ; Dec. Eyles, 1207.
- Sebakwe, 4000 ft. Dec. Eyles, 102, cf. *A. pubirachis*, Baker.
- Victoria, Monro, 903.
- Victoria Falls, Kolbe, 4344.

990—**Chlorophytum andongense**, *Baker*.

- Fl. Trop. Afr. vii. 506 ; Cat. Afr. Pl. Welw. ii. 54.
- Matopos, Rogers, 13801.

C. blepharophyllum, *Schweinf.*

- Fl. Trop. Afr. vii. 501.
- Chirinda, 3500 ft. Oct. Swyn. 329.

C. elatum, *R. Br.* var. *Burchelli*, *Baker*.

- Fl. Cap. vi. 399.
- Victoria Falls, Allen, 58.

C. gazense, *Rendle*.

- Journ. Linn. Soc. Bot. xl. 216.
- Chirinda Forest, 3700–4000 ft. fl. & fr. April, May, Swyn. 318, 527.

C. polystachyum, *Baker*.

- Fl. Trop. Afr. vii. 509.
- Mazoe, 5200 ft. Jan. Eyles, 521.

C. sp.

- Victoria, Monro, 629, cf. *C. gallabatense*, Schweinf.

1010—**Schizobasis angolensis**, *Baker*.

- Fl. Trop. Afr. vii. 470 ; Cat. Afr. Pl. Welw. ii. 48.
- Victoria, Monro, 442.

1011—**Bowiea volubilis**, *Harv.*

- Fl. Cap. vi. 367 ; Nat. Pl. 303 ; Harv. Gen. S.A. Pl. 401.
- Mazoe, 4400 ft. fr. April, Eyles, 364 ; fl. Jan. 556.

1012—**Eriospermum Cecili**, *Baker*.

- Kew Bull. 1906, 28.
- Inyanga, 6000–7000 ft. Cecil, 204.

E. spp.

- Victoria, Monro, 784, cf. *E. flexuosum*, Welw.
- Victoria, Monro, 433a, 439, cf. *E. parvifolium*, Jacq.

1024—**Kniphofia rhodesiana**, *Rendle*.

- Journ. Linn. Soc. Bot. xl. 214.
- Nyahodi Riv. 5000 ft. April, Swyn. 723.

K. sp.

- Salisbury, May, Flanagan, 3265, cf. *K. Grantii*, Baker.

1026—**Aloe excelsa**, *Berger*.

- Matopos, Nov. Marloth, 3888 ; Gwanda, Noble, 69.

Genus No.

A. rhodesiana, *Rendle*.

Journ. Linn. Soc. Bot. xl. 215.

Melsetter, 6000 ft. fl. & fr. Oct. Swyn. 6047 ; Mt. Pene, 6000 ft.
Swyn. 6048 ; Umvumvumu Riv. Swyn.

A. Swynnertonii, *Rendle*.

Journ. Linn. Soc. Bot. xl. 215.

Chipetzana Riv. 3500 ft. April, Swyn.

A. spp.

Victoria, Monro, 339, cf. *A. zebrina*, Baker.

Victoria Falls, on island, Rogers, 5288.

Matopos, Rogers, 5361.

1047—**Tulbaghia acutiloba**, *Harv.*

Fl. Cap. vi. 404.

Victoria, Monro, 630.

T. alliacea, *L. fil.*

Fl. Trop. Afr. vii. 515 ; Fl. Cap. vi. 405.

Mazoe, 4300 ft. Dec. Eyles, 229.

T. campanulata, *N. E. Br.*

Mazoe, 4800 ft. Nov. Eyles, 194.

T. sp.

Salisbury, Rand, 1379.

1079—**Albuca caudata**, *Jacq.*

Fl. Trop. Afr. vii. 529 ; Fl. Cap. vi. 458.

Matopos, Oct. Gibbs, 287.

A. Melleri, *Baker*.

Fl. Trop. Afr. vii. 532.

Victoria Falls, Rogers, in Herb. Bolus, 13457.

A. tayloriana, *Rendle*.

Fl. Trop. Afr. vii. 530.

Victoria, Monro, 433*b* ; Bulawayo, Chubb, 363*.

A. Wakefieldii, *Baker*.

Fl. Trop. Afr. vii. 531.

Bulawayo, March, Monro.

A. spp.

Bulawayo, March, Monro, cf. *A. setosa*, Jacq.

Victoria, Monro, 433*c*, 498, 584*a*.

Khami, Oct. Eyles, 1157.

Victoria Falls, Rogers, 5055, 5295.

1080—**Urginea altissima**, *Baker*.

Fl. Trop. Afr. vii. 538 ; Fl. Cap. vi. 470.

Bulawayo, Eyles ; Victoria Falls, Allen, 52 ; Chirinda, 3800 ft.
fl. & fr. April, Swyn. 321*a*.

Genus No.

U. sanguinea, Schinz.

Fl. Trop. Afr. vii. 538.

Victoria Falls, Sep. Galpin, 7051; fl. & fr. Sep. Gibbs, 147;

Victoria, Monro, 469.

U. spp.

Bulawayo, March, Monro.

Victoria, Monro, 1026a, cf. *U. comosa*, Welw.

Victoria, Monro, 630, 839.

Victoria Falls, Rogers, 5294.

South Rhodesia, Rand, 250.

1084—**Dipcadi anthericoides**, Engl.

Matopos, 4700 ft. Jan. Eyles, 27.

D. hyacinthoides, Baker.

Fl. Cap. vi. 446.

Victoria, Monro, 440.

D. viride, Mench. (*D. filamentosum*, Medic.)

Fl. Trop. Afr. vii. 523; Fl. Cap. vi. 449; Nat. Pl. 239.

Bulawayo, March, Monro; Chirinda, 3500–3800 ft. Oct. Swyn. 59.

D. spp.

Victoria, Monro, 625.

Victoria Falls, Rogers, 5398.

1086—**Scilla ciliata**, Baker.

Kew. Bull. 1906, 29.

Inyanga, Cecil, 165.

S. indica, Baker.

Fl. Trop. Afr. vii. 551.

Mt. Pene, 6500–7000 ft. Sep. Oct. Swyn. 767, 6055.

S. lanceæfolia, Baker.

Fl. Trop. Afr. vii. 557; Fl. Cap. vi. 487; Nat. Pl. 202; Cat. Afr.

Pl. Welw. ii. 63.

Matopos, Oct. Gibbs, 191.

S. maesta, Baker.

Fl. Trop. Afr. vii. 552.

Mazoe, 4300–4800 ft. Nov. Eyles, 449.

S. rigidifolia, Kunth. (*S. hispidula*, Baker.)

Fl. Trop. Afr. vii. 549; Fl. Cap. vi. 481; Cat. Afr. Pl. Welw. ii. 61.

Victoria, Monro, 464, 546; North Melssetter, 5000–6000 ft. Oct.

Swyn. 6053, 6226; Mt. Pene, 7000 ft. fl. & fr. Oct. Swyn. 6054.

S. sp.Victoria, Monro, 501, cf. *S. tayloriana*, Rendle.1088—**Eucomis undulata**, Ait.

Fl. Cap. vi. 476.

Salisbury, Darling, in Herb. Bolus, 10792.

Genus No.

E. zambesiaca, *Baker*.

Fl. Trop. Afr. vii. 528.

Victoria, Monro, 858.

E. spp.

Mazoe, 4900 ft. Dec. Eyles, 495.

Salisbury, Mundy, cf. *E. zambesiaca*, Baker.

South Rhodesia, Rand, 247.

1090—**Drimiopsis maculata**, *Lindl.*

Fl. Cap. vi. 473; Nat. Pl. 304.

Bulawayo, March, Monro.

1109—**Dracæna fragrans**, *Gawl.*

Fl. Trop. Afr. vii. 440; Cat. Afr. Pl. Welw. ii. 47.

Chirinda Forest, 3700–4000 ft. Dec. Swyn. 724, 6520.

D. gazensis, *Rendle*.

Journ. Linn. Soc. Bot. xl. 214.

Chirinda, 3800 ft. Oct. Swyn.

D. spp.

Victoria, Monro, 347, 445.

1110—**Sansevieria cylindrica**, *Bojer.* (*S. angolensis*, Welw.)

Fl. Trop. Afr. vii. 335; Cat. Afr. Pl. Welw. ii. 25.

Victoria Falls, Galpin; Engler; Mangwe Riv. Buines.

S. senegalensis?

South Rhodesia, Rand, 299.

S. spp.

Victoria Falls, Allen, 396, cf. *S. sulcata*, Bojer.

Victoria Falls, Rogers, 5059, 5287, cf. *C. sulcata*, Bojer.

1113—**Asparagus æthiopicus**, *L.*

Fl. Trop. Afr. vii. 434; Fl. Cap. vi. 271.

Chimanimani Mts. 7000 ft. Sep. Swyn. 1092.

A. africanus, *Lam.*

Fl. Trop. Afr. vii. 433; Fl. Cap. vi. 265; Cat. Afr. Pl. Welw. ii. 42.

Umtali, Engler.

A. angolensis, *Baker*.

Fl. Trop. Afr. vii. 432; Cat. Afr. Pl. Welw. ii. 42.

Chirinda, 3800 ft. May, Swyn. 520.

A. asiaticus, *L.*

Fl. Trop. Afr. vii. 432; Fl. Cap. vi. 265.

Chipetzana Riv. 3000 ft. Oct. Swyn. 239a; Upper Buzi, Swyn.;

Bulawayo, Eyles, 33.

A. falcatus, *L.*

Fl. Trop. Afr. vii. 435; Fl. Cap. vi. 271.

Chipete Forest, 3800 ft. April, Swyn. 91.

Genus No.

A. laricinus, *Burch.*

Fl. Trop. Afr. vii. 433 ; Fl. Cap. vi. 267.

Matopos, by streams, Sep. Gibbs, 18 ; Gwelo, Jan. Gardner, 76.

A. medeoloides, *Thunb.*

Fl. Trop. Afr. vii. 435 ; Fl. Cap. vi. 272.

Chipete Forest, 3800 ft. fl. & fr. April, May, Swyn. 89 ; Mt. Pene,
7000 ft. Swyn. 6058.**A. pilosus**, *Baker.*

Fl. Trop. Afr. vii. 427.

Matabeleland, Oates.

A. plumosus, *Baker.*

Fl. Trop. Afr. vii. 430 ; Fl. Cap. vi. 260.

Umtali, Engler ; Chirinda, 3700-4000 ft. Swyn. 240.

A. racemosus, *Willd.*

Fl. Trop. Afr. vii. 434 ; Fl. Cap. vi. 269 ; Cat. Afr. Pl. Welw. ii. 43.

Victoria Falls, Allen, 6 ; Gwai, Engler ; South Rhodesia,
Rand, 242.**A. stipulaceus**, *Lam.*

Fl. Cap. vi. 264.

Bulawayo, Rogers, 4486.

A. virgatus, *Baker.*

Fl. Trop. Afr. vii. 426 ; Fl. Cap. vi. 259.

Chipete, 3800 ft. Oct. Swyn. 239.

A. spp.Bulawayo, Jan. Gardner, 74, cf. *A. bechuanicus*, Baker.

Bulawayo, Rand, 545.

Gwelo, Jan. Gardner, 75, cf. *A. bechuanicus*, Baker.Victoria, Monro, 333, 1000, cf. *A. stipulaceus*, Lam.

South Rhodesia, Rand, 404, 405.

1147—**Behnia reticulata**, *Didr.*

Fl. Cap. vi. 274.

Chimanimani Mts. 7000 ft. Sep. Swyn. 1098 ; Mt. Pene, 7000 ft.

Swyn. 6057 ; Chirinda Forest, 4000 ft. fl. & fr. Oct. Swyn. 90 ;

Chipete Forest, fl. & fr. Oct. Swyn.

1149—**Hymenocallis senegambica**, *Kunth. & Bouché.*

Fl. Trop. Afr. vii. 408.

Victoria Falls, Rogers, 7258*.

1151—**Smilax kraussiana**, *Meisn.*

Fl. Trop. Afr. vii. 424 ; Fl. Cap. vi. 256 ; Nat. Pl. 339 ; Cat. Afr.

Pl. Welw. ii. 41.

Victoria Falls, Palm Kloof, Engler ; Chirinda, 3500-5900 ft.

fl. & fr. Nov. Dec. Swyn. 212 ; Chimanimani Mts. 7000 ft.

Swyn. 1099 ; Melsetter Dist. common, Swyn.

FAMILY XL.—AMARYLLIDACEAE, *Lindl.*

Genus No.

- 1167—**Hæmanthus Cecilæ**, *Baker*.
Kew Bull. 1906, 28.
Between Salisbury and Bulawayo, Cecil, 76.
H. multiflorus, *Martyn*.
Fl. Trop. Afr. vii. 388 ; Cat. Afr. Pl. Welw. ii. 34.
Matabeleland, Oates ; Victoria Falls, Allen, 44 ; Bulawayo,
March, Monro ; Chirinda, 3800 ft. Oct. Swyn. 359.
H. zambesiacus, *Baker*.
Fl. Trop. Afr. vii. 387.
Salisbury, Darling, in Herb. Bolus, 11197.
1168—**Buphane disticha**, *Herb.* (*B. toxicaria*, *Herb.*)
Fl. Trop. Afr. vii. 392 ; Fl. Cap. vi. 242 ; Nat. Pl. 595 ; Cat. Afr.
Pl. Welw. ii. 35.
Matopos, Oct. Gibbs, 208 ; Salisbury, Mundy, 934.
1177—**Brunsvigia**, *sp.*
Mazoe, 4800 ft. Sep. Eyles, 551, cf. *B. Kirkii*, *Baker*.
South Rhodesia, Rand, 224, 654.
1189—**Crinum Harmsii**, *Baker*.
Victoria Falls, Allen, 43.
C. Kirkii, *Baker*.
Fl. Trop. Afr. vii. 402.
Chirinda, 3800 ft. Swyn.
C. zeylanicum, *L.*
Fl. Trop. Afr. vii. 401.
Victoria Falls, Allen, 136.
C. spp.
Sebakwe, 4000 ft. Dec. Eyles, 170.
South Rhodesia, Rand, 228.
1190—**Ammocharis falcata**, *Herb.*
Fl. Cap. vi. 204.
Bulawayo, Chubb, 7.
1191—**Cyrtanthus angustifolius**, *Ait.*
Fl. Cap. vi. 223 ; Nat. Pl. 5.
Mazoe, 4400 ft. Sep. Eyles, 416.
C. rhodesianus, *Rendle*.
Journ. Linn. Soc. Bot. xl. 211.
Chimanimani Mts. 7000 ft. Sep. Oct. Swyn. 769.
1202—**Pancratium trianthum**, *Herb.* (*P. Chapmanii*, *Harv.*)
Fl. Trop. Afr. vii. 407 ; Harv. Gen. S.A. Pl. 384.
Chirinda, 3800 ft. Swyn. 322 ; Victoria Falls, Rogers, 7470*,
7544*, 8671*.

Genus No.

P. sp.

Bulawayo, 4500 ft. Nov. Eyles, 1248, cf. *P. trianthum*,
Herb.

1208—**Hippeastrum equestre**, *Herb.*

Victoria Falls, Allen. *

1230—**Hypoxis angustifolia**, *Lam.*

Fl. Trop. Afr. vii. 378 ; Fl. Cap. vi. 180.

Victoria, Monro, 866.

H. rigidula, *Baker.*

Fl. Cap. vi. 186 ; Nat. Pl. 552.

Bulawayo, 4500 ft. Jan. Eyles, 59 ; Mazoe, 4300–4800 ft. Nov.
Eyles, 455.

var. **pilosissima**, *Baker.*

Fl. Cap. vi. 186.

Bulawayo, Jan. Eyles.

H. Rooperii, *Moore.*

Fl. Cap. vi. 188.

Salisbury, Darling.

H. villosa, *L. fil.*

Fl. Trop. Afr. vii. 379 ; Fl. Cap. vi. 184.

Matabeleland, Oates ; Matopos, Oct. Gibbs, 192 ; Victoria,
Monro, 654 ; North Melssetter, 5000–6000 ft. Oct. Swyn. 6215 ;
Mt. Pene, 6000–7000 ft. Sep. Oct. Swyn. 770, 6082, 6204 ;
Chirinda, 3800 ft. May, Oct. Swyn. 332 ; Marendellas ?
Rogers, 4043.

H. spp.

South Rhodesia, Rand, 225, 226, 227, 237.

1231—**Walleria nutans**, *Kirk.*

Fl. Trop. Afr. vii. 568 ; Fl. Cap. vi. 528.

Bulawayo, 4500 ft. Dec. Eyles, 39.

W. sp.

South Rhodesia, Rand, 246.

FAMILY XLI.—VELLOZIACEAE, *Drude.*1246—**Vellozia equisetoides**, *Baker.* (*Barbacenia equisetoides*, Engl.)

Fl. Trop. Afr. vii. 411 ; Fl. Cap. vi. 245.

Semokwe ? Riv. Baines ; Matabeleland, Scott-Elliott ; Victoria
Falls, Allen, 41 ; Matopos, Engler ; 5000 ft. Jan. Eyles, 25 ;
Mazoe, 5000 ft. Oct. Eyles, 439 ; 4700 ft. Jan. Eyles, 516 ? ;
South Rhodesia, Rand, 270 ; Odzani River Valley, Untali ;
Teague, 236.

Genus No.

V. humilis, *Baker*.

Fl. Trop. Afr. vii. 409 ; Fl. Cap. vi. 246.

Fig-tree, Dec. Eyles, 157 ; Matabeleland, Elliott.

V. retinervis, *Baker*.

Fl. Cap. vi. 244.

Matopos; Nov. Marloth, 3415.

V. spp.

Victoria Falls, Galpin, 7058.

Mazoe, 4300–5000 ft. Oct. Eyles, 440, cf. *V. æquatorialis*, Rendle.

Mazoe, 5300 ft. Jan. Eyles, 517, cf. *V. acuminata*, Baker.

Goromanzi, Mundy, cf. *V. retinervis*, Baker.

Victoria, Monro, 800, cf. *V. trichophylloides*, Hemsl.

Victoria, Monro, 801.

Salisbury, Mundy.

Harvest Valley, Rogers.

FAMILY XLII.—TACCACEAE, *Lindl.*

1248—**Tacca pinnatifida**, *Forst.*

Fl. Trop. Afr. vii. 413 ; Cat. Afr. Pl. Welw. ii. 36.

Victoria Falls, on island, Allen, 251 ; Salisbury and Umtani, Rogers, 5767*.

FAMILY XLIII.—DIOSCOREACEAE, *Lindl.*

1252—**Dioscorea beccariana**, *Mart.*

Fl. Trop. Afr. vii. 420.

Gwai Forest, 3800 ft. Allen, 232 ; Victoria Falls, Rogers, 5381 ;
Chirinda, 3800 ft. Dec. Swyn. 1091a, 6630 ; Bulawayo,
Chubb, 18.

D. Buchanani, *Benth.*

Fl. Trop. Afr. vii. 415.

Chirinda, 3800 ft. July, Swyn. 1091.

P. dumetorum, *Pax.* (*D. quartiniana*, A. Rich.)

Fl. Trop. Afr. vii. 419 ; Cat. Afr. Pl. Welw. ii. 40.

Bulawayo, 4500 ft. Dec. Eyles, 1141 ; Chirinda, 3700 ft. young
fr. March, Swyn. 215.

D. sativa, *L.*

Fl. Trop. Afr. vii. 415 ; Cat. Afr. Pl. Welw. ii. 38.

Chirinda Forest, 3800 ft. (wild), May, Swyn. 531.

D. schimperiana, *Hochst.*

Fl. Trop. Afr. vii. 419 (var.).

Chirinda, 3700–4000 ft. fl. & fr. Feb. Swyn. 214 ; Chipete, Swyn

Genus No.

var. **vestita**, *Pax*.

Fl. Trop. Afr. vii. 419.

Mazoe, 4300 ft. Jan. Eyles, 503.

D. sylvatica, *Eckl.* (*Testudinaria sylvatica*, Benth.)

Fl. Cap. vi. 253.

Mazoe, 4300 ft. Dec. Eyles, 212; Bulawayo, Chubb, 9.

D. spp.

Victoria Falls, Rogers, 5372¹, cf. *D. rubiginosa*, Benth.

South Rhodesia, Rand, 432.

FAMILY XLIV.—IRIDACEAE, *Lindl.*

1265—**Moræa edulis**, *Ker.*

Fl. Cap. vi. 20.

Victoria, Monro, 677.

M. iridioides, *L.*

Fl. Trop. Afr. vii. 342; Nat. Pl. 299.

Chirinda Forest, 3700–4000 ft. fl. & fr. Oct. Dec. Swyn. 399,
6508; Mt. Pene, 7000 ft. Oct. Swyn. 6067; Chipete Forest,
Swyn.

M. spp.

Bulawayo, Jan. Gardner, 2; Victoria, Monro, 601; Matopos,
5000 ft. Nov. Eyles, 1144; Salisbury, Mundy; South Rhodesia,
Rand, 236.

1272—**Ferraria Randii**, *Rendle.* (*Moræa Randii*, Rendle.)

Journ. Bot. 1898, 144.

South Rhodesia, Rand, 233; Bulawayo, 4500 ft. Jan. Eyles, 158.

1284—**Bobartia sp.**

Victoria, Monro, 755.

1295—**Aristea compressa**, *Buching.*

Fl. Cap. vi. 50.

North Melssetter, 6000 ft. fl. & fr. Oct. Swyn. 6060.

A. zombensis, *Baker.*

Fl. Trop. Afr. vii. 346.

Chipete Forest, 3700–4000 ft. fr. Oct. Swyn. 399a; Chipete
Forest, 3800 ft. fr. April, Swyn. 399.

1301—**Hesperantha matopensis**, *Gibbs.*

Journ. Linn. Soc. Bot. xxxvii. 471.

Matopos, Sep. Gibbs, 44.

1303—**Dierama pendula**, *Baker.*

Fl. Trop. Afr. vii. 349.

Melssetter, 6000 ft. Oct. Swyn. 6064, 6065.

¹ Rogers has this plant named *D. rubiginosa*, Benth.

Genus No.

- 1306—**Tritonia aurea**, *Pappe*. (*Crocasmia aurea*, Planch.)
 Fl. Trop. Afr. vii. 355 ; Fl. Cap. vi. 129 ; Nat. Pl. 519.
 Chirinda, 3600 ft. March, Swyn. 323.
- 1310—**Babiana Bainesii**, *Baker*.
 Fl. Cap. vi. 107.
 Matopos, 5000 ft. April, Eyles, 38 ; March, Flanagan, 2949 ;
 Salisbury, May, Flanagan, 3249.
- 1311—**Gladiolous atropurpureus**, *Baker*.
 Fl. Trop. Afr. vii. 364.
 Victoria Falls, Allen, 198.
- G. brevicaulis**, *Baker*.
 Fl. Trop. Afr. vii. 366 ; Cat. Afr. Pl. Welw. ii. 28.
 Victoria, Monro, 647.
- G. brevifolius**, *Jacq.*
 Fl. Cap. vi. 143.
 Matabeleland, Oates.
- G. dracocephalus**, *Hook. f.*
 Fl. Cap. vi. 157.
 Matopos. March, Flanagan, 2966.
- G. gazensis**, *Rendle*.
 Journ. Linn. Soc. Bot. xl. 210.
 Melsetter, 6000 ft. Swyn. ; Chirinda, 3700–4000 ft. Swyn. ; Mt.
 Pene, 6500–7000 ft. Swyn. ; in fl. Sep. Swyn. 779.
- G. Melleri**, *Baker*.
 Fl. Trop. Afr. vii. 362.
 Matopos, Oct., Gibbs, 202 ; Mazoe, 4400 ft. Sep. Eyles, 417 ;
 Matabeleland, Oates ; Salisbury, Rogers, 4057 ; Victoria,
 Monro, 485.
- G. Oatesii**, *Rolfe*.
 Fl. Trop. Afr. vii. 373.
 Matabeleland, Oates ; Victoria Falls, Allen, 193 ; Bulawayo, Jan.
 Gardner, 78.
- G. permeabilis**, *Delar.*
 Fl. Cap. vi. 162.
 Mazoe, 4300 ft. Dec. Eyles, 488 ; Bulawayo, Chubb, 11.
- G. primulinus**, *Baker*.
 Victoria Falls, Allen, 18 ; Sep. Gibbs, 323 ; Rogers, 5397 ;
 Monro.
- G. quartinianus**, *A. Rich.*
 Fl. Trop. Afr. vii. 371 ; Cat. Afr. Pl. Welw. ii. 29.
 Bulawayo, March, Monro.

Genus No.

G. spp.

- Salisbury, May, Flanagan, 3252 ; Rand, 541.
 Victoria, Monro, 967, cf. *G. psittacinus*, Hook.
 Victoria, Monro, 1091.
 Bulawayo, 4500 ft. Nov. Eyles, 1224.
 South Rhodesia, Rand, 230, 234, 235, 656.

1312—Antholyza sp.

- Victoria, Monro, 301.

1314—Lapeyrousia caudata, Schinz.

- Fl. Trop. Afr. vii. 352.
 South Rhodesia, Rand, 229.

L. cruenta, Bkr.

- Fl. Cap. vi. 96 ; Fl. Trop. Afr. vii. 354.
 Bulawayo, Rogers, 13586*.

L. cyanescens, Baker.

- Fl. Trop. Afr. vii. 354 ; Cat. Afr. Pl. Welw. ii. 28.
 South Rhodesia, Rand, 232.

L. grandiflora, Baker.

- Fl. Trop. Afr. vii. 355 ; Fl. Cap. vi. 96 ; Nat. Pl. 526.
 Bulawayo, Dec. Eyles ; Mazoe, 4300–5300 ft. Jan. Eyles, 1134.

L. odoratissima, Baker.

- Fl. Trop. Afr. vii. 354 ; Cat. Afr. Pl. Welw. ii. 28.
 Victoria Falls, Rogers, 5395.

L. porphyrosiphon, Baker.

- Fl. Trop. Afr. vii. 353.
 Victoria Falls, Allen, 146 ; Rogers, 5415.

L. rhodesiana, N. E. Br.

- Kew Bull. 1906, 169.
 Between Salisbury and Umtali, Cecil, 154.

L. Sandersoni, Baker.

- Fl. Trop. Afr. vii. 352 ; Fl. Cap. vi. 95.
 Bembesi, Jan. Gardner, 7 ; Victoria Falls, Rogers, 5536 ; Victoria, Monro, 678, 674 ; Bulawayo, Rogers, common ; Matabeland, Scott-Elliott.

L. Welwitschii, Baker.

- Fl. Trop. Afr. vii. 352 ; Cat. Afr. Pl. Welw. ii. 27.
 Matopos, 5000 ft. Feb. Eyles, 1173.

L. spp.

- Bulawayo, 4500 ft. Jan. Eyles, 75 ; Nov. 91.
 South Rhodesia, Rand, 231.

SERIES SCITAMINEAE.

FAMILY XLV.—MUSACEAE, *J. St. Hil.*

Genus No.

1318—**Musa Ensete**, *Gmel.*

Fl. Trop. Afr. vii. 329.

Marandellas, Engler.

FAMILY XLVI.—ZINGIBERACEAE, *L. C. Rich.*

1329—**Kämpferia Carsoni**, *Baker.*

Fl. Trop. Afr. vii. 296.

Victoria Falls, Allen, 104.

K. Kirkii, *K. Schum.* var. **elatio**r, *Stapf.*

Fl. Trop. Afr. vii. 294 (type).

Salisbury, H. J. Elwes, F.R.S., see Kew Bull. 1908, 196.

K. sp.

Victoria Falls, Rogers, 5390.

1344—**Amomum sp.**

Salisbury, Darling, in Herb. Bolus, 10793.

FAMILY XLVII.—CANNACEAE, *Link.*

1363—**Canna indica**, *L.*, subsp. **C. orientalis**, *Rose.*

Fl. Trop. Afr. vii. 328 ; Cat. Afr. Pl. Welw. ii. 24.

Victoria, Monro, 736, 1044 ; Chirinda, 3800 ft. March, Swyn.

398 ; Matabeleland, Rand.

SERIES MICROSPERMAE.

FAMILY XLIX.—BURMANNIACAE, *Blume.*

1382—**Burmannia bicolor**, *Mart.* var. **africana**, *Ridl.*

Fl. Trop. Afr. vii. 11 ; Cat. Afr. Pl. Welw. ii. 2.

Matopos, 5000 ft. Eyles, 52.

FAMILY L.—ORCHIDACEAE, *Lindl.*

1408—**Holothrix grandiflora**, *Reichb. f.*

Fl. Cap. V. iii. 110.

Umtali, Engler.

Genus No.

H. Randii, *Rendle*.

Journ. Bot. 1899, 208.

Salisbury, Sep. Rand, 596.

1422—**Habenaria antennifera** (*Rolfe*), *Torre & Harms*. (*Bonatea antennifera*, *Rolfe*.)

Fl. Cap. V. iii. 142.

Bulawayo, March, *Monro*.

H. malacophylla, *Reichb. f.*

Fl. Trop. Afr. vii. 230 ; Fl. Cap. V. iii. 126.

Victoria Falls, 3000 ft. Rain Forest, May, *Eyles*, 92 ; *Allen*, 4 ;
Flanagan, 3299 ; *Rogers*, 5129.

H. pedicellaris, *Reichb. f.*

Fl. Trop. Afr. vii. 244.

Upper Buzi, 3000 ft. April, *Swyn.* 744 ; South Rhodesia, *Rand*,
269.

H. Rehmanni, *Bolus*.

Fl. Cap. V. iii. 129.

Victoria, *Monro*, 904, 890, 865, 868.

H. spp.

Victoria Falls, *Allen*, 139, cf. *H. subarmata*, *Reichb. f.*

Mazoe, 4400 ft. Dec. *Eyles*, 499, cf. *H. Galpinii*, *Bolus*.

Matopos, 5000 ft. March, *Eyles*, 1037, 1064.

1428—**Brachycorythis acutiloba**, *Rendle*.

Journ. Linn. Soc. Bot. xl. 208.

Chirinda, 3800 ft. Dec. *Swyn.* 6632.

B. hispidula ?

South Rhodesia, *Rand*, 266.

1430—**Satyrium Buchananii**, *Schlechter*.

Fl. Trop. Afr. vii. 572.

Lusitu Riv. 5000 ft. April, *Swyn.* 754 ; South Rhodesia, *Rand*,
267.

S. macrophyllum, *Lindl.*

Fl. Cap. V. iii. 166 ; Orchids of S.A. i. 74.

Mazoe, 4300 ft. April, *Eyles*, 305 ; March, *Flanagan*, 3027 ;

Matopos, 5000 ft. March, *Eyles*, 1036.

S. speciosum, *Rolfe*.

Fl. Trop. Afr. vii. 270 & 574.

Chirinda, 3800 ft. Dec. *Swyn.* 331 ; Upper Buzi, 3000 ft. April,
Swyn. 745.

S. trinerve, *Lindl.* (*S. occultum*, *Rolfe*.)

Fl. Trop. Afr. vii. 273 ; Cat. Afr. Pl. Welw. ii. 16 ; Orchids of
S.A. ii. 61.

Chirinda, 3800 ft. Jan. *Swyn.* 750.

Genus No.

- 1431—**Schizochilus Cecili**, *Rolfe*.
Kew Bull. 1906, 168.
Inyanga, Cecil, 202.
- 1434—**Disa equestris**, *Reichb. f.*
Fl. Trop. Afr. vii. 284 ; Cat. Afr. Pl. Welw. ii. 18.
Rhodesia, Lord Rothschild, see Kew Bull. 1908, 86; South
Rhodesia, Rand, 268.
- D. hamatopetala**, *Rendle*.
Fl. Trop. Afr. vii. 286.
Mt. Pene, 6500–7000 ft. fl. & fr. Sep. Swyn. 753.
- 1565—**Polystachya Hislopii**, *Rolfe*.
Kew Bull. 1914, 375.
Rusapi, A. Hislop.
- 1568—**Ansellia africana**, *Lindl.*
Fl. Trop. Afr. vii. 101 ; Cat. Afr. Pl. Welw. ii. 7 ; Orchids of
S.A. ii. 29.
Matopos, Sep. Oct. Gibbs, 270, epiphytic ; Engler.
- A. humilis**, *Bull.*
Fl. Trop. Afr. vii. 102.
Victoria Falls, Allen, 45.
- A. spp.**
Gatooma, Rogers, 5521, cf. *A. confusa*, N. E. Br.
Victoria Falls, Rogers, 7235, cf. *A. confusa*, N. E. Br.
- 1631—**Calanthe natalensis**, *Reichb. f.*
Victoria Falls, Engler ; Rogers, 5697.
- C. sanderiana ?**
Victoria Falls, Allen, 140.
- C. sp.**
Salisbury, March, Flanagan, 3016, in marshy places.
- 1647—**Lissochilus arenarius**, *Lindl.* (*L. dilectus*, Reichb. f. *Eulophia*
arenaria, Bol.)
Fl. Trop. Afr. vii. 82 ; Fl. Cap. v. iii. 61 ; Cat. Afr. Pl. Welw.
ii. 5.
Matabeleland, Oates ; Victoria Falls, Allen, 88 ; Chirinda,
3500 ft. Nov. Swyn. 751 ; South Rhodesia, Rand, 262 ;
Odzani River Valley, Umtali, Teague.
- L. Buchanani**, *Reichb. f.* (*Eulophia Buchananii*, Bolus.)
Fl. Cap. V. iii. 60 ; Orchids of S.A. ii. 23.
Matopos, Rogers, 5656 ; Victoria, Jan. Miss Krige, in Herb.
Bolus, 10715 ; Victoria Falls, Rogers, 13070*.
- L. Eylesii**, *Rendle*.
Journ. Bot. 1905, 53.
Matopos, 5000 ft. Feb. Eyles, 150.

Genus No.

- L. livingstonianus**, *Reichb. f.*
 Fl. Trop. Afr. vii. 81.
 Mazoe, 4300–4800 ft. Nov. Eyles, 445; Victoria, Monro, 785.
- L. microceras**, *Reichb. f.*
 Fl. Trop. Afr. vii. 74.
 Umtali, Engler.
- L. milanjanus**, *Rendle.*
 Fl. Trop. Afr. vii. 98.
 Umtali, Engler.
- L. Oatesii**, *Rolfe.*
 Fl. Trop. Afr. vii. 89.
 Matabeleland, Oates.
- L. papilinaceus**, *Rendle.*
 Fl. Trop. Afr. vii. 91.
 Chirinda, 3700 ft. March, Swyn. 227.
- L. Wakefieldii**, *Reichb. f. & S. Moore.*
 Fl. Trop. Afr. vii. 95; Fl. Cap. V. iii. 60.
 Victoria Falls, Allen, 70.
- 1648—**Eulophia clitellifer**, *Bolus.* (*Lissochilus clitellifer*, *Reichb. f.*)
 Fl. Cap. V. iii. 55.
 Mazoe, 4300–4800 ft. Sep. Eyles, 418; Umtali, Engler; Victoria, Monro, 461, 438.
- E. dregeana**, *Lindl.*
 Fl. Cap. V. iii. 36; Orchids of S.A. ii. 9.
 Mazoe, 4800–5100 ft. Dec. Eyles, 497.
- E. Krebsii**, *Bolus.* (*Lissochilus Krebsii*, *Reichb. f.*)
 Fl. Trop. Afr. vii. 91; Fl. Cap. V. iii. 58.
 Matopos, Oct. Gibbs, 254; Mazoe, 4500 ft. Dec. Eyles, 480;
 Salisbury, Rand, 1377; South Rhodesia, Rand, 263; Odzani
 River Valley, Umtali, Teague.
- E. milanjana**, *Rendle.*
 Fl. Trop. Afr. vii. 63.
 Chirinda, 3800 ft. Oct. Swyn. 328.
- E. saccatus**, *Rendle.* (*Lissochilus saccatus*, *Rendle.*)
 Fl. Trop. Afr. vii. 98.
 South Rhodesia, Rand, 647.
- E. speciosa**, *Bolus.* (*Lissochilus speciosus*, *R. Br.*)
 Fl. Cap. V. iii. 59; Orchids of S.A.
 Mazoe, 4800 ft. Nov. Eyles, 463.
- E. Swynnertonii**, *Rendle.*
 Journ. Linn. Soc. Bot. xl. 207.
 Mt. Pene, 6500–7000 ft. Sep. Oct. Swyn. 752, 6050.

Genus No.

E. undulata ?

Bulawayo, March, Monro, n. sp. ? ined.

E. Welwitschii, Rolfe.

Fl. Trop. Afr. vii. 61 ; Cat. Afr. Pl. Welw. ii. 4.

South Rhodesia, Rand, 261.

E. spp.

Gwelo, Jan. Gardner, 27.

Salisbury, Rand, 542, 543.

Mazoe, 4300-4800 ft. Dec. Eyles, 474, 491.

Matopos, 5000 ft. Nov. Eyles, 1226, 1227.

Victoria, Monro, 476, 899.

Victoria, Monro, 661, cf. *E. Shupangae*, Kränzl.

South Rhodesia, Rand, 264, 265.

1651—**Pteroglossaspis sp.**

Mazoe, 4300 ft. Jan. Eyles, 501.

1822—**Saccolabium sp ?.**

Mazoe, 4700 ft. Dec. Eyles, 476.

1828—**Angrecum leonis ?.**

Mazoe, 4700 ft. Nov. Eyles, 465.

A. rhodesianum, Rendle.

Journ. Linn. Soc. Bot. xl. 208.

Melsetter, 6000 ft. fr. Sep. Swyn. 755, epiphytic on *Brachystegia Randii*.

1837—**Mystacidium sp.**

Mazoe, 4700-5000 ft. Nov. Eyles, 466.

CLASS DICOTYLEDONEAE.

SUB-CLASS ARCHICHLAMYDEAE.

SERIES PIPERALES.

FAMILY LIII.—PIPERACEAE, *L. C. Rich.*

1862—**Piper capense, L.**

Fl. Trop. Afr. VI. i. 146.

Chirinda Forest, 3700-4000 ft. June, Swyn. 66 ; Mt. Pene, 6500 ft. Swyn. 1097.

1866—**Peperomia brachytrichoides, Engl.**

Victoria Falls, in Palm Kloof, Engler.

P. mascharena, C. DC.

Chipete Forest, 3800 ft. May, Swyn. 426 ; Chirinda Forest, Swyn.

Genus No.

P. reflexa, *A. Dietr.*

Fl. Trop. Afr. VI. i. 155.

Chipete Forest, 3800 ft. May, Swyn. 426a ; Chirinda Forest, Swyn.

P. spp.

Victoria Falls, in Palm Kloof, April, Flanagan, 3298.

Melsetter, Johnson, 181, cf. *P. arabica*, C. DC.

SERIES SALICALES.

FAMILY LVI.—SALICACEAE, *Lindl.*1873—**Salix capensis**, *Thunb.*

For. Fl. Cape, 328.

Matopos, Sep. Gibbs, 21 ; March, Flanagan, 2953 ; Mazoe, 4300 ft. April, Eyles, 316 ; Govt. Herb. 924 ; Odzani River Valley, Umtali, Teague, 125.

S. ramiflora, *R. v. Seem.*

Victoria Falls, Engler.

S. Sabsaf, *Forsk.*

Victoria Falls, Oct. Davy.

S. spp.

South Rhodesia, Rand, 219, 403.

SERIES MYRICALES.

FAMILY LVII.—MYRICACEAE, *Lindl.*1874—**Myrica æthiopica**, *L.*

For. Fl. Port. E. Afr. 107 ; For. Fl. Cape, 330.

Victoria Falls, on island, Engler ; Rogers, 7454 ; Odzani River Valley, Umtali, Teague, 109.

M. pilulifera, *Rendle.*

Mt. Pene, 6500 ft. fl. July, fr. Sep. Swyn. 530, 1735.

var. **puberula** *Rendle.*

Journ. Bot. 1903, 86.

Melsetter, 6000 ft. fr. Sep. Oct. Swyn. 610, 610a ; Nyahodi Riv. 5500 ft. Swyn. 623 ; Mt. Pene, 7000 ft. Swyn. 6084.

SERIES URTICALES.

FAMILY LXIII.—ULMACEAE, *Mirb.*1898—**Celtis dioica**, *S. Moore.*

Journ. Linn. Soc. xl. 204.

Chirinda Forest, 3700–4000 ft. Oct. Swyn. 108, fr. May.

Genus No.

C. rhamnifolia, *Presl.* (*C. kraussiana*, Bernh.)

Nat. Pl. 28 ; For. Fl. Cape, 306.

Mazoe, 4600 ft. Aug. Eyles, 399.

C. spp.

Gwanda, Noble, 62.

Lomagundi, Govt. Herb. 993.

1902—**Trema guineensis**, *Priemer*.

Chirinda, 3800 ft. April, Swyn. 129.

FAMILY LXIV.—MORACEAE, *Lindl.*

1960—**Bosquiea Phoberos**, *Baill.*

Chipete Forest, 3800 ft. Swyn. ; Chirinda Forest, 3500 ft. Swyn.

1961—**Ficus caffra**, *Miq.*

Victoria Falls, Rogers, 5978, 7464, 7455.

F. capensis, *Thunb.*

For. Fl. Port. E. Afr. 101 ; For. Fl. Cape, 307 ; Cat. Afr. Pl. Welw. i. 1016.

Victoria Falls, Engler ; Rogers, 5984 ; Chirinda Forest, 3700–4000 ft. early fr. June, Swyn. 434 ; Melsetter, Swyn.

F. capreæfolia, *Del.*

Sabi Riv. 1000 ft. fr. Dec. Swyn. 1101.

F. exasperata, *Vahl.*

Cat. Afr. Pl. Welw. i. 1010.

Chirinda Forest, 3700–4000 ft. fl. & fr. Aug. Oct. Swyn. 601.

F. lutea, *Vahl.*

Matopos, fr. Oct. Gibbs, 285 ; Rogers, 5411 ; Victoria Falls, Engler ; Umtali, Engler.

F. maschonae, *Warb.*

Umtali, Engler.

F. matabelae, *Warb.*

Matopos, Engler ; Salisbury, Engler.

F. natalensis, *Hochst.*

For. Fl. Port. E. Afr. 98 ; For. Fl. Cape, 307.

Matopos, Nov. Marloth, 3404.

F. Rehmannii, *Warb.*

Matopos, Engler.

F. rhodesiaca, *Warb.*

Salisbury, Engler.

F. salicifolia, *Vahl.* var. **australis**, *Warb.*

Matopos, Engler.

F. Sonderi, *Miq.*

Matopos, fr. Oct. Gibbs, 26 ; March, Flanagan, 2977 ; Rogers, 5251 ; Bulawayo, Rogers, 6203.

Genus No.

var. **villosa**, Warb.

South Rhodesia, Marloth.

F. subcalcarata, Warb. & Schweinf.

South Melssetter, Swyn.

F. Victoriae, Warb.

Victoria Falls, Engler.

F. spp.

Victoria Falls, April, Flanagan, 3303, cf. *F. Victoriae*, Warb.

Victoria Falls, Allen, 183; Rogers, 5125.

Salisbury, March, Flanagan, 3017, cf. *F. lutea*, Vahl.

Salisbury, Rand, 537, 538.

Victoria, Monro, 361, cf. *F. trachyphylla*, Fenzl.

Victoria, Monro, 390.

Matopos, Rogers, 5198, cf. *F. caffra*, Miq.

Matopos, Rogers, 5354, 5357; Govt. Herb. 899.

Lomagundi, Govt. Herb. 975.

South Rhodesia, Rand, 398, 399.

1966—**Myrianthus arboreus**, Beauv.

Cat. Afr. Pl. Welw. i. 995.

Chirinda Forest, 3700–4000 ft. Sep. Swyn. 111, 111a; Mt. Pene,
6500–7000 ft. Dec. Swyn. 1052.

FAMILY LXV —URTICACEAE, Endl.

1978—**Urera obovata**, Benth.

Cat. Afr. Pl. Welw. i. 986.

Chirinda Forest, 3700–4000 ft. Jan. Swyn. 1518.

1982—**Fleurya capensis**, Wedd.

Nat. Pl. 577.

Chirinda Forest, 3700–4000 ft. fl. April, fr. May, Swyn. 338, 793.

1992—**Pouzolzia hypoleuca**, Wedd.

Victoria, Monro, 645, 892; Bulawayo, Chubb, 11a; Matopos,
Rogers, 5362.

SERIES PROTEALES.

FAMILY LXVI.—PROTEACEAE, J. St. Hil.

2034—**Faurea racemosa**, Farmar.

Fl. Trop. Afr. VI. i. 208; Kew Bull. 1908, 58.

Chimaninani Mts. 7000 ft. Sep. Swyn. 639; Mt. Pene, 7000 ft.
Oct. Swyn. 6096.

Genus No.

F. saligna, *Harv.*

Fl. Trop. Afr. VI. i. 209; Fl. Cap. V. i. 640; Cat. Afr. Pl. Welw. i. 921; For. Fl. Cape, 297.

Fig-tree, 4500 ft. Dec. Eyles, 156; Matopos, Marloth; Hutchins; Oct. Davy; Oct. Gibbs, 313; Engler; Rusapi, Engler; Victoria, Monro, 782; 617; Koeve Hills, Govt. Herb. 953; Chirinda, 3500 ft. Sep. Swyn. 42; Chimanimani Mts. 7000 ft. Nov. Swyn. 1796; Odzani River Valley, Umtali, Teague, 139.

F. speciosa, *Welw.*

Fl. Trop. Afr. VI. i. 211; Fl. Cap. V. i. 642; Cat. Afr. Pl. Welw. i. 922.

Mazoe, 4800 ft. Sep. Eyles, 415; Salisbury, March, Flanagan, 3005; Melsetter, 6000 ft. Sep. Oct. Swyn. 625, 626; between Melsetter and Umvumvumu Riv. Swyn.; Odzani River Valley, Umtali, Teague, 138.

var. **lanuginosa**, *Hiern.*

Cat. Afr. Pl. Welw. i. 922.

Salisbury, Engler.

F. usambarensis, *Engl.*

Fl. Trop. Afr. VI. i. 210.

Umtali, Engler.

2035—**Protea abyssinica**, *Willd.*

Fl. Trop. Afr. VI. i. 199; Fl. Cap. V. i. 581.

Matopos, Galpin, 7090; fl. & fr. Oct. Gibbs, 59; Rogers, 153; Nov. Marloth, 3229; Kolbe, 3615; Bulawayo, Kolbe; Chimanimani Mts. Johnson, 131?; Salisbury, Cecil, 260; Umgusa Riv. Baines; Umzingwani Riv. Baines; Odzani River Valley, Umtali, Teague, 272.

P. angolensis, *Welw.* var. **albiflora**, *Engl.*

Odzani River Valley, Umtali, Teague, 93.

P. grandiflora, *Thunb.*

Fl. Cap. V. i. 580; For. Fl. Cape, 296.

Sengwe Riv. Govt. Herb. 955.

P. madiensis, *Oliv.*

Fl. Trop. Afr. VI. i. 204.

Melsetter, 6000 ft. Sep. Swyn. 629; Chimanimani Mts. 7000 ft. Oct. Swyn. 6097.

P. maschonica, *Engl.*

Hartley, Engler; Umtali, Engler.

P. mellifera, *Thunb.*

Fl. Cap. V. i. 576; For. Fl. Cape, 296.

Bulawayo, Engler.

Genus No.

P. Swynnertonii, *S. Moore*.

Journ. Linn. Soc. Bot. xl. 184.

Melsetter, 6000 ft. April, Swyn. 1411.

P. uhehensis, *Engl.*

Fl. Trop. Afr. VI. i. 202.

Chimanimani Mts. 4000 ft. Johnson, 131 ? ; Chirinda, 3800 ft.

Feb. Swyn. 190.

P. spp.Mazoe, Jan. Eyles, 515, cf. *P. abyssinica*, Willd.

Gwanda, Noble, 74.

South Rhodesia, Rand, 394.

2036—**Leucospermum saxosum**, *S. Moore*.

Journ. Linn. Soc. Bot. xl. 185.

Chimanimani Mts. 7000 ft. Sep. Swyn. 652.

SERIES SANTALALES.

FAMILY LXVII.—LORANTHACEAE, *D. Don*.2074—**Loranthus bulawayensis**, *Engl.* (*L. kraussianus*, Gibbs.)

Fl. Trop. Afr. VI. i. 364.

Bulawayo, on *Combretum* sp. Marloth, 3378 ; Chubb, 400 ;

Matopos, Gibbs, 274 ; Umvumvumvu Riv. 4000 ft. Oct. Swyn.

6001 ; Victoria, Monro, 717 ; Victoria Falls, Rogers, 5564.

L. Cecilae, *N. E. Br.*

Fl. Trop. Afr. VI. i. 373 ; Kew Bull. 1906, 168.

Bulawayo, Cecil, 96.

L. Dregei, *Eckl. & Zeyh.*

Fl. Trop. Afr. VI. i. 311 ; Fl. Cap. ii. 575 ; Nat. Pl. 312.

Matopos, Engler ; Sebakwe, 4000 ft. Oct. Eyles, 177.

var. **subcuneifolius**, *Sprague*.

Fl. Trop. Afr. VI. i. 312.

Matopos, Oct. Gibbs, 181.

L. erianthus, *Sprague*.

Fl. Trop. Afr. VI. i. 359.

Bulawayo, Chubb, 14a ; Rogers, 5643 ; Sebakwe, Rogers ; Victoria, Monro, 316, 827 ?

L. Eylesii, *Sprague*.

Fl. Trop. Afr. VI. i. 343 ; Kew Bull. 1911, 146.

Bulawayo, 4500 ft. Feb. Eyles, 1194 ; Victoria, Monro, 808.

L. guttatus, *Sprague*.

Fl. Trop. Afr. VI. i. 350 ; Kew Bull. 1911, 147.

Mazoe, 4700 ft. April, Eyles, 369.

Genus No.

L. kalachariensis, Schinz. (*L. curviflorus*, Schinz.)

Fl. Trop. Afr. VI. i. 280.

Bulawayo, 4500 ft. May, on *Acacia* sp. Eyles, 78; Chubb, 313;
Rand, 393; Rogers, 5644?; Matopos, Davy; Tuli Riv. Penther,
1626; Victoria Falls, July, Kolbe, 3184.

L. kraussianus, Meisn.

Fl. Cap. ii. 577; Nat. Pl. 76.

Mazoe, 4800 ft. April, Eyles, 301.

L. mweroensis, Baker.

Fl. Trop. Afr. VI. i. 304.

Salisbury, on *Protea* sp. Rand, 532.

L. namaquensis, Harv. (*L. Meyeri*, Presl.)

Fl. Trop. Afr. VI. i. 361; Fl. Cap. ii. 577; Cat. Afr. Pl. Welw.
i. 932.

Victoria Falls, April, Flanagan, 3280; on *Salix* sp. Rogers, 5391.
7225, 5588; Bulawayo, Rogers, 5822.

L. quinquangulus, Engl. & Schinz, var. **pedicellatus**, Sprague.
(*L. zambesicus*, Gibbs.)

Fl. Trop. Afr. VI. i. 362; Journ. Linn. Soc. Bot. xxxvii. 467.

Victoria Falls, Allen, 138; fl. & fr. Sep. Gibbs, 140.

L. Swynnertonii, Sprague.

Fl. Trop. Afr. VI. i. 390; Journ. Linn. Soc. Bot. xl. 188.

Chirinda Forest, 3700–4000 ft. on *Vernonia podocoma*, Sch. Bip.

Dec. Swyn. 141; also parasitic on peach-trees, Swyn.

L. virescens, N. E. Br.

Fl. Trop. Afr. VI. i. 309; Kew Bull. 1906, 168.

Salisbury, Rand, 1374, on *Grewia* sp.; Cecil, 147.

L. spp.

Mazoe, March, Flanagan, 3022; Govt. Herb. 930.

Inyoka, Govt. Herb. 950.

Lomagundi, Govt. Herb. 989.

South Rhodesia, Rand, 222, 391.

2093—**Viscum combreticola**, Engl. (*V. dichotomum*, Don.)

Fl. Trop. Afr. VI. i. 404; Fl. Cap. ii. 581.

Mazoe, 5000 ft. fr. Nov. Eyles, 456; Harvest Valley, Rogers,
13577.

V. matabelense, Engl.

Fl. Trop. Afr. VI. i. 410.

Matopos, 5000 ft. Engler, 2846a.

V. Menyharthii, Engl. & Schinz.

Fl. Trop. Afr. VI. i. 410.

Matopos, on *Croton gratissimus*, Burch. Gibbs, 16.

Genus No.

Y. tuberculatum, *A. Rich.*

Fl. Trop. Afr. VI. i. 396.

Matopos, Engler.

Y. verrucosum, *Harv.*

Fl. Trop. Afr. VI. i. 408; Fl. Cap. ii. 581.

Matopos, Galpin, 7087; fl. & fr. Sep. Gibbs, 65; Bulawayo, 4500 ft. Dec. on *Acacia* sp. Eyles, 1139; Rogers, 5642.**Y. sp.**

South Rhodesia, Rand, 393.

FAMILY LXIX.—SANTALACEAE, *R. Br.*2104—**Colpoön compressum**, *Berg.*

For. Fl. Cape, 303.

Matopos, Oct. Gibbs, 183; Engler; Govt. Herb. 891; Lomagundi, Govt. Herb. 974.

2108—**Osyris abyssinica**, *Hochst.*

Fl. Trop. Afr. VI. i. 433; Cat. Afr. Pl. Welw. i. 938.

Melsetter, 6000 ft. Sep. Swyn. 622; North Melsetter, 5000–6000 ft. fr. Oct. Swyn. 6102; Victoria, Monro, 643; Bulawayo, Rogers, 13677*.

2118—**Thesium brevibarbatum**, *Pilger.*

Fl. Trop. Afr. VI. i. 416.

Umtali, 3900 ft. Sep. Engler, 3176.

T. goetzeanum, *Engl.*

Fl. Trop. Afr. VI. i. 418.

Between Hartley & Gadzema, 5000 ft. Engler, 3013; Matopos, 5000 ft. Nov. Eyles, 1146; Salisbury, Marshall.

T. gracile, *A. W. Hill.*

Fl. Trop. Afr. VI. i. 419; Kew Bull. 1910, 185.

Sebakwe, 4000 ft. Dec. Eyles, 85.

T. multiramulosum, *Pilger.*

Fl. Trop. Afr. VI. i. 419.

Umtali, 3900 ft. Engler, 3138, 3146.

T. rhodesiacum, *Pilger.*

North of Hartley, Engler.

T. Rogersii, *A. W. Hill.*

Fl. Trop. Afr. VI. i. 1059; Kew Bull. 1913, 78.

Victoria Falls, on island, Rogers, 5467.

T. scabridulum, *A. W. Hill.*

Fl. Trop. Afr. VI. i. 424; Journ. Linn. Soc. Bot. xl. 189.

Melsetter, 6000 ft. fl. & fr. Sep. Swyn. 2124.

Genus No.

T. sp.

South Rhodesia, Rand, 206.

FAMILY LXXI.—OPILIACEAE, *Valet.*

2122—**Opilia amentacea**, *Roxb.*

Fl. Trop. Afr. i. 352; For. Fl. Port. E. Afr. 30; Cat. Afr. Pl.

Welw. i. 142.

Sabi Riv. 1000 ft. Nov. Swyn. 1204.

FAMILY LXXII.—OLACACEAE, *Lindl.*

2131—**Olax dissitiflora**, *Oliv.*

Fl. Trop. Afr. i. 350; For. Fl. Port. E. Afr. 30.

Matopos, Oct. Gibbs, 263; Victoria Falls, Gibbs; Rogers, 7462;

Victoria Monro, 560.

2136—**Ximenia americana**, *L.*

Fl. Trop. Afr. i. 346; For. Fl. Port. E. Afr. 30.

Victoria Falls, Sep. Galpin, 7060; Rogers, 5997; Chirinda,

3500 ft. Oct. Swyn. 175; Bulawayo, Monro, 64; Chubb, 332,

354; Rand, May, 423, cf. var. *microphylla*, Welw.

X. caffra, *Sond.*

Fl. Cap. i. 235; For. Fl. Port. E. Afr. 30.

Victoria Falls, Sep. Gibbs, 130; Allen, 159; Rogers, 5468, 5985;

Matopos, Engler; Gibbs; Gwanda, Noble, 46; Victoria,

Monro, 640; Bulawayo, Monro, 37, 82.

X. spp.

Bulawayo, Monro, 1; Chubb, 340.

Umtali, Swyn. 6619, cf. *X. americana*, *L.*

SERIES ARISTOLOCHIALES.

FAMILY LXXV.—RAFFLESIIACEAE, *Dumort.*

2179—**Pilostyles æthiopica**, *Welw.*

Fl. Trop. Afr. VI. i. 131; Cat. Afr. Pl. Welw. i. 908.

Victoria, Monro, 962, 457, on *Brachystegia* sp.

FAMILY LXXVI.—HYDNORACEAE, *Solms-Laub.*

2182—**Hydnora africana**, *Thunb.*

Fl. Cap. V. i. 486; Cat. Afr. Pl. Welw. i. 910.

Bulawayo, Monro.

SERIES POLYGONALES.

FAMILY LXXVII.—POLYGONACEAE, *Lindl.*

Genus No

2195—**Rumex abyssinicus**, *Jacq.*

Fl. Trop. Afr. VI. i. 114 ; Cat. Afr. Pl. Welw. i. 905.

Melsetter, 6000 ft. April, Swyn. 1506.

R. nepalensis, *Spreng.*

Fl. Trop. Afr. VI. i. 117 ; Fl. Cap. V. i. 473.

Salisbury, Rogers, 4085.

2201—**Polygonum acuminatum**, *H. B. & K.*

Fl. Trop. Afr. VI. i. 112.

Upper Buzi, 3000 ft. June, Swyn. 356 ; Chirinda Forest,
3700–4000 ft. Dec. Swyn. 1512.**P. aviculare**, *L.*

Fl. Trop. Afr. VI. i. 105 ; Fl. Cap. V. i. 464.

Bulawayo, 4500 ft. Aug. Eyles, 1245 ; Rogers, 5518, 13622 ;
Chubb, 35 ; Victoria, Monro, 85.**P. barbatum**, *L.*

Fl. Trop. Afr. VI. i. 109 ; Fl. Cap. V. i. 467.

Victoria Falls, Engler ; Salisbury, Rogers, 4083 ? ; Bulawayo,
Rogers, 13620.**P. plebeium**, *R. Br.* (*P. herniarioides*, *Del.*)

Fl. Trop. Afr. VI. i. 105.

Matopos, Sep. Gibbs, 63 ; Gwelo, Jan. Gardner, 44.

P. serrulatum, *Lag.*

Fl. Trop. Afr. VI. i. 107 ; Fl. Cap. V. i. 467.

Victoria Falls, Rogers, 5030, 5575, 5578, 6016 ; Salisbury,
Rogers, 4084 ; Odzani River Valley, Umtali, Teague, 183.**P. tomentosum**, *Willd.*Fl. Trop. Afr. VI. i. 110 ; Fl. Cap. V. i. 468 ; Cat. Afr. Pl. Welw.
i. 905.Matopos, March, Flanagan, 2959 ; Rogers, 5647 ; Victoria Falls,
Rogers, 5625, 7176 ; Salisbury, Marshall.**P. sp.**

South Rhodesia, Rand, 223.

2204—**Oxygonum alatum**, *Burch.*Fl. Trop. Afr. VI. i. 99 ; Fl. Cap. V. i. 460 ; Cat. Afr. Pl. Welw.
i. 902.

Victoria Falls, Allen, 287.

O. dregeanum, *Meisn.*

Fl. Cap. V. i. 461.

Redbank, April, Flanagan, 3183.

Genus No.

O. pubescens, *C. H. Wright*.

Fl. Trop. Afr. VI. i. 101 ; Kew Bull. 1909, 187.

Between Salisbury and Headlands, Cecil, 155 ; between Salisbury and Umtali, Cecil, 44 ; Umtali, Cecil, 235*a*.

O. Zeyheri, *Sond.*

Fl. Cap. V. i. 460.

Bulawayo, Jan. Gardner, 61.

O. spp.

Victoria Falls, Rogers, 7198, probably n. sp.

Between Bulawayo and Plumtree, April, Flanagan, 3182.

SERIES **CENTROSPERMAE.**

FAMILY LXXVIII.—**CHENOPODIACEAE**, *Less.*

2223—**Chenopodium Botrys**, *L.*

Fl. Trop. Afr. VI. i. 79 ; Fl. Cap. V. i. 439.

Matopos, Rogers ; Odzani River Valley, Umtali, Teague, 199.

C. schraderianum, *Roem. & Schultes*. (*C. fœtidum*, Schrad. ; *C. graveolens*, Lag. & Rodr.)

Fl. Trop. Afr. VI. i. 80 ; Fl. Cap. V. i. 439 ; Cat. Afr. Pl. Welw. i. 898.

Melsetter, 6000 ft. April, Swyn. 1507.

C. sp.

Mazoe, 4700 ft. Aug. Eyles, 180.

2240—**Kochia decumbens** (*Hochst.*), *Torre & Harms*. (*Pentodon decumbens*, Hochst.)

Victoria, Monro, 925.

FAMILY LXXIX.—**AMARANTACEAE**, *Juss.*

2292—**Celosia trigyna**, *L.*

Fl. Trop. Afr. VI. i. 19 ; Fl. Cap. V. i. 404 ; Cat. Afr. Pl. Welw. i. 884.

Matopos, March, Flanagan, 2941, 2951 ; Victoria Falls, April, Flanagan, 3294 ; Rogers, 7141 ; May, Eyles, 143 ; between Wankie and Victoria Falls, Rogers, 5272 ; Chipete Forest, 3800 ft. April, May, Swyn. 507 ; Upper Buzi, 3000 ft. Swyn. 1514 ; Matabeleland, Holub.

C. sp.

South Rhodesia, Rand, 201.

Genus No.

2293—**Hermbstædtia elegans**, Moq.

Fl. Trop. Afr. VI. i. 26; Fl. Cap. V. i. 407.

Bulawayo, Rogers, 5928.

2299—**Amarantus græcizans**, L. (*A. Thunbergii*, Moq.)

Fl. Trop. Afr. VI. i. 34; Fl. Cap. V. i. 411; Cat. Afr. Pl. Welw. i. 887.

Matopos, Rogers, 5247; Gwelo, Sr. Phil. 6; Chirinda, 3800 ft. May, Swyn. 463; Salisbury, Govt. Herb. 605.

A. viridis, L.

Fl. Trop. Afr. VI. i. 33; Fl. Cap. V. i. 411; Cat. Afr. Pl. Welw. i. 888.

Victoria Falls, Rogers, 7066.

2309—**Cyphocarpa angustifolia**, Lopr. (*Sericocoma angustifolia*, Hook. f.)

Fl. Trop. Afr. VI. i. 53; Fl. Cap. V. i. 415; Cat. Afr. Pl. Welw. i. 889.

Bulawayo, 4500 ft. Dec. Eyles; Gardner, 87; Victoria Falls, April, Flanagan, 3204; Victoria, Monro, 927.

2312—**Cyathula cylindrica**, Moq.

Fl. Trop. Afr. VI. i. 46; Fl. Cap. V. i. 420.

Mazoe, 5000 ft. March, Eyles, 249.

C. prostrata, Blume.

Fl. Trop. Afr. VI. i. 43.

Chirinda Forest, 3700–4000 ft. April, May, Swyn. 269a, 340.

2317—**Ærva lanata**, Juss.

Fl. Trop. Afr. VI. i. 39; Fl. Cap. V. i. 426.

Bulawayo, 4500 ft. Eyles, 83.

Æ. leucura, Moq.

Fl. Trop. Afr. VI. i. 39; Fl. Cap. V. i. 426.

Mazoe, 4500 ft. March, Eyles, 276; Matopos, March, Flanagan, 2952; Rogers, 5165; Plumtree, April, Flanagan, 3208; Salisbury, May, Flanagan, 3271; Victoria, Monro, 372; Odzani River Valley, Umtali, Teague, 107.

Æ. sp.

South Rhodesia, Rand, 203.

2324—**Psilotrichum gracilentum**, C. B. Cl.

Fl. Trop. Afr. VI. i. 59.

Umvumvumvu Riv. 4000 ft. April, Swyn. 777; North Melsetter, 5000–6000 ft. Oct. Swyn. 6640.

2328—**Achyranthes aspera**, L.

Fl. Trop. Afr. VI. i. 63; Fl. Cap. V. i. 428; Cat. Afr. Pl. Welw. i. 893.

Bulawayo, 4700 ft. Feb. Eyles, 105; Victoria Falls, fl. & fr. Sep. Gibbs, 171; Engler; Rogers, 5056; Mazoe, March, Eyles, 299.

Genus No.

var. **argentea**, *C. B. Cl.* (*A. argentea*, Lam.)

Fl. Trop. Afr. VI. i. 63.

Mazoe, 4800 ft. March, Eyles, 298; Odzani River Valley, Umtali, Teague, 81.

var. **pinguispicata**, *C. B. Cl.*

Matabeleland, Oates.

A. bidentata, *Blume*.

Fl. Trop. Afr. VI. i. 64; Cat. Afr. Pl. Welw. i. 894.

Chirinda Forest, 3700–4000 ft. June, Swyn. 1510.

A. leptostachya, *E. Mey.* (*Achyroopsis leptostachya*, Hook. f.)

Fl. Trop. Afr. VI. i. 66; Fl. Cap. V. i. 430.

Shashi Riv. Holub.

A. sp.

Mazoe, 5200 ft. Jan. Eyles, 520.

2335—**Alternanthera echinata**, *Smith.* (*A. achyrantha*, R. Br.)

Fl. Trop. Afr. VI. i. 74; Fl. Cap. V. i. 432; Cat. Afr. Pl. Welw. i. 896.

Victoria Falls, Rogers, 7193; Bulawayo, Rogers, 13621; Hartley, Mundy.

A. nodiflora, *R. Br.*

Fl. Trop. Afr. VI. i. 73.

Victoria, Monro, 944; Salisbury, Rogers.

A. sessilis, *R. Br.*

Fl. Cap. V. i. 432.

Victoria Falls, Sep. Gibbs, 121.

FAMILY LXXX.—NYCTAGINACEAE, *Lindl.*

2349—**Boerhavia pentandra**, *Burch.* (*B. grandiflora*, A. Rich.)

Fl. Trop. Afr. VI. i. 7; Fl. Cap. V. i. 396.

Bulawayo, 4500 ft. Dec. Eyles, 19; Aug. 1228; Gwelo, Sr. Phil. 56; Victoria Falls, Rogers, 7419?

B. plumbaginea, *Cav.* (*B. dichotoma*, Vahl.)

Fl. Trop. Afr. VI. i. 7; Cat. Afr. Pl. Welw. i. 883.

Gwelo, Gardner, 20; Mazoe, 5100 ft. April, Eyles, 333.

B. repens, *L.* var. *diffusa*, *Hook. f.*

Fl. Trop. Afr. VI. i. 5; Fl. Cap. V. i. 395.

Victoria Falls, Rogers, 5628?

FAMILY LXXXIII.—PHYTOLACCACEAE, *Lindl.*

2376—**Limeum fenestrata** (*Fenzl.*), *Torre & Harms.* (*Semonvillea fenestrata*, Fenzl.)

Fl. Cap. i. 152.

North of Bulawayo, 3400 ft. Dec. Eyles, 1133; Victoria Falls, April, Flanagan, 3307; Rogers, 5607, 7264, 7436, 7207.

Genus No.

L. viscosum, Fenzl.

Fl. Trop. Afr. ii. 595; Cat. Afr. Pl. Welw. i. 421.

Shashi Riv. Jan. Rand, 57; Salisbury, March, Flanagan, 3006.

2380—**Phytolacca dodecandra**, L'Hérit. (*P. abyssinica*, Hoffm.)

Fl. Trop. Afr. VI. i. 97; Fl. Cap. i. 157, & V. i. 457; Nat. Pl. 263; Cat. Afr. Pl. Welw. i. 901.

Salisbury, Engler; Lusitu Riv. 3000 ft. fl. & fr. Sep. Oct. Swyn. 2118; Victoria Falls, Rogers, 7255*.

P. sp.

Salisbury, March, Flanagan, 2998.

2382—**Giesekia pharnaceoides**, L.

Fl. Trop. Afr. ii. 593; Cat. Afr. Pl. Welw. i. 419,

Shashi Riv. Jan. Rand, 56; Gwai, April, Flanagan, 3289; Victoria Falls, April, Flanagan, 3242; Rogers, 7263, 7005; Victoria, Monro, 881.

G. spp.

Bulawayo, Jan. Gardner, 4; Malindi, Jan. Allen, 235.

FAMILY LXXXIV.—AIZOACEAE, A. Br.

2387—**Mollugo Cerviana**, Seringe.

Fl. Trop. Afr. ii. 591; Fl. Cap. i. 138; Cat. Afr. Pl. Welw. i. 417. Salisbury, Rogers.

M. hirta, Thunb. var. **virens**, Fenzl. (*M. Glinus*, A. Rich.; *Glinus lotoides*, L.)

Fl. Trop. Afr. ii. 590; Fl. Cap. i. 137; Cat. Afr. Pl. Welw. i. 416. Bulawayo, May, Rand, 331.

M. nudicaulis, Lam.

Fl. Trop. Afr. ii. 591; Cat. Afr. Pl. Welw. i. 417.

Victoria Falls, Rogers, 5701.

2388—**Glinus sp.**Victoria Falls, Allen, 284, cf. *G. Bainesii*, Pax.2389—**Pharnaceum verrucosum**, E. & Z. (*P. salsoloides*, Burch; *Hyper-telis verrucosa*, Fenzl.)

Fl. Trop. Afr. ii. 592; Fl. Cap. i. 144; Cat. Afr. Pl. Welw. i. 418.

Victoria, Monro, 850; Salisbury, Rogers, 5520.

P. Zeyheri, Sond.

Fl. Cap. i. 141.

Matopos, Sep. Oct. Gibbs, 45; Engler.

2393—**Orygia decumbens**, Forsk.

Fl. Trop. Afr. ii. 589; Fl. Cap. i. 136; Cat. Afr. Pl. Welw. i. 415.

Bulawayo, 4500 ft. Dec. Eyles, 30.

Genus No.

2405—**Mesembrianthemum Mahoni**, *N. E. Br.*

Gard. Chron. 1902, ii. 190.

Odzani River Valley, Umtali, Teague.

M. sp.

Matopos, Nov. Eyles, 1190.

FAMILY LXXXV.—PORTULACACEAE, *Reichb.*

2406—**Talinum caffrum**, *E. & Z.* (*Portulaca caffra*, Thunb.)

Fl. Trop. Afr. i. 150; Fl. Cap. ii. 385; Nat. Pl. 593; Cat. Afr.

Pl. Welw. i. 54.

Bulawayo, Dec. Gardner, 67; Rogers, 5913; Victoria Falls,
Rogers, 5623.

2412—**Anacampseros rhodesica**, *N. E. Br.*

Kew Bull. 1914, 132.

Matopos, J. G. McDonald & W. E. Dowsett; Salisbury,
Mundy.

FAMILY LXXXVII.—CARYOPHYLLACEAE, *Reichb.*

2455—**Polycarpæa corymbosa**, *Lam.* (*Polia arenaria*, Lour.)

Fl. Trop. Afr. i. 145; Fl. Cap. i. 133; Cat. Afr. Pl. Welw.
i. 51.

Bulawayo, May, Rand, 350; Victoria Falls, April, Flanagan,
3030; Rogers, 7028; Mazoe, 4400 ft. April, Eyles, 310;
Victoria, Monro, 952; Chimanimani Mts. 7000 ft. Sep. Swyn.
1804.

2467—**Pollichia campestris**, *Ait.*

Fl. Trop. Afr. VI. i. 10; Fl. Cap. i. 133, & V. i. 399.

Victoria Falls, on islands, Sep. Gibbs, 118; Engler.

2469—**Corrigiola drymarioides**, *Bak. f.*

Journ. Linn. Soc. Bot. xl. 181.

Chimanimani Mts. 7000 ft. fl. & fr. Sep. Swyn. 2159.

C. litoralis, *L.*

Fl. Trop. Afr. VI. i. 12; Fl. Cap. i. 132, and V. i. 401.

Bulawayo, 4500 ft. Aug. Eyles, 1241; Macheke, Engler; Victoria,
Monro, 364; Salisbury, Rogers.

2490—**Silene Burchellii**, *Othl.*

Fl. Trop. Afr. i. 139; Fl. Cap. i. 128; Cat. Afr. Pl. Welw.
i. 49.

Gwelo, Jan. Gardner, 23; Salisbury, Engler; Rand, 1389; Mt.
Pene, 7000 ft. Oct. Swyn. 6069; Harvest Valley, Rogers.

SERIES RANALES.

FAMILY LXXXVIII.—NYMPHAEACEAE, DC.

Genus No.

2513—**Nymphæa lotus**, L.

Fl. Trop. Afr. i. 52 ; Cat. Afr. Pl. Welw. i. 22.

North of Bulawayo, Engler.

N. stellata, Willd. (*N. malabarica*, Poir.)

Fl. Trop. Afr. i. 52 ; Fl. Cap. i. 14 ; Nat. Pl. 33 ; Cat. Afr. Pl. Welw. i. 22 ; also see note in Kew Bull. 1906, 183.

Matopos, Marloth ; 4600 ft. April, Eyles, 35 ; Rogers ; Bulawayo, Engler ; Salisbury, May, Flanagan, 3248 ; South Rhodesia, Rand, 16.

FAMILY XCI.—RANUNCULACEAE, Juss.

2541—**Anemone peneensis**, E. G. Baker.

Journ. Linn. Soc. Bot. xl. 16.

Mt. Pene, 6500 ft. Sep. Swyn. 783.

2542—**Clematis brachiata**, Thunb.

Fl. Cap. i. 2.

Bulawayo, Chubb, 19.

C. Kirkii, Oliv.

Fl. Trop. Afr. i. 5.

Salisbury, Darling, in Herb. Bolus, 10797 ; between Bulawayo and Victoria Falls, Davy ; Mazoe, May, Flanagan, 3200 ; Chirinda, Swyn. ; Odzani River Valley, Umtali, Teague, 23.

C. orientalis, L.

Cat. Afr. Pl. Welw. i. 3.

Victoria, Monro, 1002.

C. simensis, Fres. (*C. orientalis*, L. var. *simensis*, O. Kuntze.)

Fl. Trop. Afr. i. 6 ; Cat. Afr. Pl. Welw. i. 3.

Chirinda, Swyn.

S. Stanleyi, Hook. (*C. villosa*, DC.)

Fl. Trop. Afr. i. 6 ; Fl. Cap. i. 2 ; Cat. Afr. Pl. Welw. i. 2.

Salisbury, Dec. Rand, 1 and 436 ; Bulawayo, 4500 ft. Eyles, 1121 ; Monro, 108 ; Matopos, 4500 ft. Feb. Eyles, 1172 ; Rogers, 5266 ; Umtali, Engler ; Chirinda, Swyn. ; South Rhodesia, Rand, 289.

C. Thunbergii, Steud. (*C. orientalis*, L. var. *Thunbergii*, O. Kuntze.)

Fl. Trop. Afr. i. 6 ; Fl. Cap. i. 2 ; Cat. Afr. Pl. Welw. i. 3.

Victoria Falls, April, Flanagan, 3244, 3238 ; Mazoe, 4300 ft. April, Eyles, 326 ; Victoria, Monro, 1002 ; Odzani River Valley, Umtali, Teague, 210.

Genus No.

C. virona, L.

South Rhodesia, Rand, 288.

C. wightiana, Wall.

Chirinda, Swyn.

C. spp.

Gwelo, Jan. Gardner, 9, cf. *C. Kirkii*, Oliv.

Mazoe, 4800–5000 ft. March, Eyles, 281, probably n. sp.

Salisbury, May, Flanagan, 3199 (same as Eyles 281).

Victoria Falls, Rogers, 5077.

2546—**Ranunculus pinnatus, Poir.** (*R. pubescens*, Thunb.)

Fl. Trop. Afr. i. 9; Fl. Cap. i. 6; Cat. Afr. Pl. Welw. i. 4.

Salisbury, Dec. Rand, 79; July, Rand, 435; Bulawayo, May, Rand, 287; Gwelo, Jan. Gardner, 25; Mazoe, 4500 ft. Nov. Eyles, 450.

R. plebeius, R. Br.

Fl. Cap. i. 6.

Chirinda Forest, 3700–4000 ft. Swyn. 345.

2548—**Thalictrum rhynchocarpum, Dill. & Rich.**

Fl. Trop. Afr. i. 8.

Chipete and Chirinda, Swyn.

FAMILY XCIV.—MENISPERMACEAE, DC.

2570—**Cocculus villosus, DC.** (*Cebatha hirsuta*, O. Kuntze.)

Fl. Trop. Afr. i. 45; Cat. Afr. Pl. Welw. i. 18.

Sabi Riv. 1000 ft. fr. Nov. Swyn. 1756a.

2574—**Cissampelos Pareira, L.**

Fl. Trop. Afr. i. 45; Fl. Cap. i. 11; Cat. Afr. Pl. Welw. i. 18.

North of Hartley, Engler; Victoria Falls, Rogers, 5616.

var. **mucronata, Engl.** (*C. mucronata*, A. Rich.)

Matopos, Oct. Gibbs, 243; Chipete Forest, 3800 ft. Jan. Swyn. 220; Chirinda, Swyn.

C. torulosa, E. Mey.

Fl. Trop. Afr. i. 46; Fl. Cap. i. 11.

Chipete Forest, 3800 ft. Jan. Swyn. 218, 219.

2577—**Tiliacora funifera, Oliv.**

Fl. Trop. Afr. i. 44.

Victoria Falls, Rain Forest, male, Sep. Gibbs, 302; Kirk; Chirinda, Swyn.

2594—**Dioscoreophyllum chirindense, Swyn.**

Journ. Linn. Soc. Bot. xl. 19.

Chirinda Forest, 3700–4000 ft. fl. Jan. and March, Swyn. 100, 100a, fr. Dec. Swyn. 6521.

FAMILY XCVIII.—ANONACEAE, *L. C. Rich.*

Genus No.

2673—**Uvaria gazensis**, *Swyn. & E. G. Baker.*

Journ. Linn. Soc. Bot. xl. 17.

Chirinda, 3700–4000 ft. Oct. Swyn. 1326.

2691—**Popowia obovata**, *Engl. & Diels.*Victoria Falls, Allen, 144; Rogers, 7081, 5540, 5618; Sebawke,
4000 ft. Dec. Eyles, 162; Chikore, 3000 ft. April, Swyn.
187.2716—**Hexalobus senegalensis**, *A. DC.*

Fl. Trop. Afr. i. 27.

Matopos, Oct. Gibbs, 217; Sep. Galpin, 7086.

2724—**Artabotrys brachypetala**, *Benth.*

Fl. Trop. Afr. i. 28; For. Fl. Port. E. Afr. 8.

Matopos, Oct. Gibbs, 252; Victoria, Monro, 795.

A. Monteiroae, *Oliv.*

Chimanimani Mts. 7000 ft. Sep. Swyn. 1764.

2729—**Anona senegalensis**, *Pers.*Fl. Trop. Afr. i. 16; Fl. Cap. ii. 583; Cat. Afr. Pl. Welw. i. 8;
For. Fl. Port. E. Afr. 7.Matopos, Davy; Oct. Gibbs, 256; Gwai Forest, 3600 ft. Allen,
240; Hartley, Engler; Salisbury, Rand, 1342; Victoria,
Monro, 305, 565; Chirinda, 3500 ft. Swyn. 191.var. **rhodesiaca**, *Engl. & Diels.*

Salisbury, Sep. Engler, 3080; Matopos, Nov. Marloth, 3376.

FAMILY CI.—MONIMIACEAE, *Dumort.*2759a—**Xymalos monospora**, *Baill.*

Fl. Trop. Afr. VI. i. 169; Fl. Cap. V. i. 493; For. Fl. Cape, 288.

Chirinda Forest, 3700–4000 ft. June, 663; Chimanimani Mts.
7000 ft. Sep. Swyn. 1112; Chipete Forest, Swyn.FAMILY CII.—LAURACEAE, *Lindl.*2825—**Cassytha ciliolata**, *Nees.* (*C. capensis*, *Meisn.*)

Fl. Cap. V. i. 501.

Victoria Falls, April, Flanagan, 3275.

C. filiformis, *L.*Fl. Trop. Afr. VI. i. 188; Fl. Cap. V. i. 500; Cat. Afr. Pl. Welw.
i. 915.

Victoria Falls, Rogers, 5596.

FAMILY CIII.—HERNANDIACEAE, *Dumort.*

Genus No.

2830—**Gyrocarpus** *sp.*

Victoria Falls, Allen, 401. This "may possibly belong to *G. asiaticus*, Willd. The fruits, however, differ in being glabrous."
Fl. Trop. Afr. VI. i. 190.

SERIES RHOEADALES.

FAMILY CIV.—PAPAVERACEAE, *B. Juss.*

2852—**Argemone mexicana**, *L.*

Fl. Trop. Afr. i. 54; Cat. Afr. Pl. Welw. i. 23.
Bulawayo, Rogers.

FAMILY CV.—CRUCIFERAE, *B. Juss.*

2875—**Heliophila** *sp.*

South Rhodesia, Rand, 96.

2949—**Brassica** *spp.*

Mazoe, 4800 ft. March, Eyles, 295; Bulawayo, Rogers, 5756;
Salisbury, Rogers, 5770.

2965—**Nasturtium fluviatile**, *E. Mey.*

Fl. Cap. i. 21; Harv. Gen. S.A. Pl. 7.
Bulawayo, Jan. Rand, 21.

FAMILY CVII.—CAPPARIDACEAE *Linull.*

3082—**Cleome hirta**, *Oliv.*

Fl. Trop. Afr. i. 81; Cat. Afr. Pl. Welw. i. 28.
Victoria Falls, Allen, 108; Rogers, 7257, 6007; Bulawayo, Jan.
Gardner, 59; Matopos, Rogers, 5151, 5161a.

C. maculata, *Szyszl.* (*Tetratelia maculata*, Sond.)

Fl. Cap. i. 58.
Shashi Riv. Jan. Rand, 22.

C. monophylla, *L.*

Fl. Trop. Afr. i. 76; Fl. Cap. i. 156.
Bulawayo, Dec. Rand, 73; Chubb, 13a; Dec. Eyles, 8; Rogers,
5757; Matopos, Flanagan, 2986; Redbank, April, Flanagan,
3185; Victoria, Monro, 817; Victoria Falls, Rogers, 5579.

Genus No.

3087—**Gynandropsis pentaphylla**, DC. (*Pedicellaria pentaphylla*, Schrank.)

Fl. Trop. Afr. i. 82; Fl. Cap. i. 55.

Bulawayo, 4500 ft. Dec. Eyles, 1126; Jan. Rand, 23; Rogers, 5912; Victoria Falls, April, Flanagan, 3206; Chimanimani Mts. Swyn.

3101—**Capparis tomentosa**, Lam.

Fl. Trop. Afr. i. 96; Cat. Afr. Pl. Welw. i. 31.

Victoria Falls, fl. & fr. Sep. Gibbs, 138; Allen, 170; Sebakwe, 4000 ft. Oct. Eyles, 173; Victoria, Monro, 318, 563, 829, 521; Bulawayo, Chubb, 342.

C. spp.

Victoria, Monro, 448, 432.

3108—**Courbonia decumbens**, Brongn.

Fl. Trop. Afr. i. 88; For. Fl. Port. E. Afr. 10.

Sabi Riv. 1000 ft. fr. Nov. Swyn. 1207, 1384.

3109—**Cadaba juncea**, Hook. (*Schepperia juncea*, DC.)

Fl. Cap. i. 59; For. Fl. Cape, 121.

Bulawayo, Chubb, 347.

C. natalensis, Sond.

Fl. Cap. i. 59; Nat. Pl. 261; For. Fl. Cape, 121.

Bulawayo, 4500 ft. Oct. Eyles, 1087; Monro, 101.

3112—**Mærua arenicola**, Gilg.

Victoria, Monro, 789.

M. caffra (Bernh.), Pax. (*Niebuhreria triphylla*, Wendl.)

Bulawayo, Engler.

M. maschonica, Gilg.

Umtali, Engler.

M. nervosa, Oliv. (*Niebuhreria nervosa*, Hochst.)

Fl. Trop. Afr. i. 84; Nat. Pl. 260; For. Fl. Port. E. Afr. 9; Fl. Cap. i. 60.

Matopos, Galpin, 6967; Sabi Riv. Swyn.; Victoria, Monro, 302, 432, 448; Bulawayo, Monro, 85, 86.

var. **flagellaris**, Oliv.

Fl. Trop. Afr. i. 84.

Bulawayo, Rand, Sep. 576; Matopos, Oct. Gibbs, 205; Victoria, Monro, 364.

M. sp.

Victoria, Monro, 318.

3113—**Thylachium verrucosum**, Klotzsch. (*T. africanum*, Lour.)

Fl. Trop. Afr. i. 82; For. Fl. Port. E. Afr. 9.

Sabi Riv. 1000 ft. fr. Nov. Swyn. 1206.

SERIES SARRACENIALES.

FAMILY CXII.—DROSERACEAE, DC.

Genus No.

3136—**Drosera burkeana**, *Planch.*

Fl. Cap. i. 76; Fl. Trop. Afr. ii. 402.

Victoria Falls, Rogers*.

D. indica, *L.*

Fl. Trop. Afr. ii. 402.

Victoria, Monro, 1032.

D. ramentacea, *Burch.*

Fl. Trop. Afr. ii. 403; Fl. Cap. i. 77.

Matopos, 5000 ft. April, Eyles, 53.

D. sp.

Matopos, 4500 ft. Nov. Eyles, 1099.

SERIES ROSALES.

FAMILY CXIII.—PODOSTEMONACEAE, *L. C. Rich.*

3140—**Tristicha alternifolia**, *Tul.*

Victoria Falls, fl. & young fr. Sep. Gibbs, 321; Engler.

T. trifaria, *Tul.*

Fl. Trop. Afr. VI. i. 121.

Victoria Falls, Livingstone Island, Sep. Gibbs, 320.

3151—**Dicræa tenax**, *C. H. Wright.*

Fl. Trop. Afr. VI. i. 121; Kew Bull. 1909, 213.

Victoria Falls, Livingstone Island, July, Kolbe, 3149.

3159—**Sphærothylax** *sp.*

Victoria Falls, fr. Sep. Gibbs, 322.

FAMILY CXIV.—HYDROSTACHYACEAE, *Warm.*

3160—**Hydrostachys polymorpha**, *Klotzsch.*

Fl. Trop. Afr. VI. i. 130.

North Melssetter, 4000 ft. Swyn. 818.

FAMILY CXV.—CRASSULACEAE, DC.

3166—**Kalanchoe crenata**, *Haw.* (*K. ægyptiaca*, DC.)

Fl. Trop. Afr. ii. 394; Fl. Cap. ii. 379; Cat. Afr. Pl. Welw. i. 328.

Victoria Falls, Rogers, 5000*a*.

Genus No.

K. glandulosa, *Hochst.*

Fl. Trop. Afr. ii. 396; Cat. Afr. Pl. Welw. i. 328.

Victoria Falls, Rogers, 7443.

var. **rhodesica**, *Baker f.*

Journ. Bot. 1899, 434.

Salisbury, July, Rand, 465; Engler: Umtali, Engler; Gwelo.

Sr. Phil. 8 and 14.

K. paniculata, *Harr.*

Fl. Cap. ii. 380.

Bulawayo, May, Rand, 321; Victoria Falls, Rogers, 7444.

K. pilosa, *Baker.*

Victoria Falls, Rogers, 5235, 5058, 7213.

K. rotundifolia, *Haw.*

Fl. Cap. ii. 379; Nat. Pl. 94.

Bulawayo, May, Rand, 319; Matopos, Rogers, 5265; Victoria,

Monro, 1010; Odzani River Valley, Umtali, Teague, 254.

K. thyrsoflora, *Harr.*

Fl. Cap. ii. 380.

Bulawayo, Rogers, 13723*.

K. spp.Matopos, April, Flanagan, 3172, cf. *K. glandulosa*, *Hochst.*

Victoria Falls, Rogers, 5236; South Rhodesia, Rand, 320.

3168—**Crassula campestris**, *E. & Z.* (*Tillæa pharnaceoides*, *Hochst.*)

Fl. Trop. Afr. ii. 387; Fl. Cap. ii. 351.

Matopos, 4500–5000 ft. March, Eyles, 1027.

C. nivalis, *E. & Z.*

Fl. Cap. ii. 356.

Victoria Falls, Galpin, 7369.

C. sarcolipes, *Harr.*

Fl. Cap. ii. 355.

Victoria, Monro, 917.

C. subulata, *Hook.* (*Tillæa subulata*, *Benth. & Hook. f.*)

Fl. Trop. Afr. ii. 387; Fl. Cap. ii. 352; Cat. Afr. Pl. Welw. i. 325.

Victoria, Monro, 1072.

FAMILY CXVII.—SAXIFRAGACEAE, *DC.*3201—**Yahlia capensis**, *Thunb.*

Fl. Trop. Afr. ii. 384; Fl. Cap. ii. 306; Cat. Afr. Pl. Welw. i. 324; Harv. Gen. S.A. Pl. 98.

Bulawayo, May, Rand, 334; Eyles; Jan. Gardner, 83; Victoria Falls, Allen, 119; Matopos, Oct. Gibbs, 308; March, Flanagan, 2962; Engler; Matabeleland, Oates.

Genus No.

var. **linearis**, *E. Mey.*

Bulawayo, Dec. Rand, 63 ; Rogers, 5484.

V. oldenlandioides, *Roxb.*

Fl. Trop. Afr. ii. 384.

Between Wankie and Victoria Falls. Rogers, 5271.

3241—**Choristylis shirensis**, *Baker f.*

Melsetter, 6000 ft. Sep. Swyn. 607 ; Chirinda, 3800 ft. Swyn.

202, 203 ; Mt. Pene, 7000 ft. Oct. Swyn. 6202.

FAMILY CXVIII.—PITTOSPORACEAE, *Lindl.*

3252—**Pittosporum viridiflorum**, *Sims.*

Fl. Cap. i. 443 ; Cat. Afr. Pl. Welw. i. 41 ; For. Fl. Cape, 140

Harv. Gen. S.A. Pl. 20.

Mazoe, 4200 ft. Dec. Eyles, 206, 207 ; Mt. Pene Forest, 6500—
7000 ft. fr. Sep. Swyn. 671.

FAMILY CXXI.—MYROTHAMNACEAE, *Niedenzu.*

3282—**Myrothamus flabellifolia**, *Welw.*

Fl. Trop. Afr. ii. 404 ; Cat. Afr. Pl. Welw. i. 331 ; see also Fl.
Cap. ii. 597, under *Cliffortia ? flabellifolia*.

Gwelo, Dec. Rand, 5 ; Fort Gibbs, Matabeleland, Rand, 600 and
601 ; Victoria Falls, Allen, 92 ; Mutopos, Galpin, 6952 ; Eyles,
1208 ; Engler ; Nov. Marloth, 3416 ; Sep. Gibbs, 309 ; Victoria,
Monro, 901.

FAMILY CXXVI.—ROSACEAE, *B. Juss.*

3353—**Rubus Mundtii**, *Cham. & Schlecht.* (*R. rigidus*, Smith, var.
Mundtii, Harv.)

Fl. Cap. ii. 287.

Melsetter, Sep. Swyn. 2077.

R. rigidus, *Smith.*

Fl. Trop. Afr. ii. 375 ; Fl. Cap. ii. 287.

Salisbury, July, Rand, 464 ; Mazoe, 4500 ft. Nov. Eyles, 472 ;
Chirinda, May, Swyn. 454.

3379—**Leucosidea sericea**, *E. & Z.*

Fl. Cap. ii. 289 ; For. Fl. Cape, 216.

Melsetter, 6000 ft. Sep. Swyn. 605.

3388—**Cliffortia linearifolia**, *E. & Z.*

Fl. Trop. Afr. ii. 379 ; Fl. Cap. ii. 301 ; For. Fl. Cape, 137.

Melsetter, 6000 ft. Swyn. 2078.

Genus No.

3393—**Pygeum africanum**, *Hook. f.*

Fl. Trop. Afr. ii. 373; Cat. Afr. Pl. Welw. i. 322; For. Fl. Port. E. Afr. 60; For. Fl. Cape, 215.

Chipete Forest, 4000 ft. April, Swyn. 1344; Chirinda, 3700–4000 ft. April, Swyn. 107.

3405—**Parinarium capense**, *Harv.*

Fl. Trop. Afr. ii. 368; Fl. Cap. ii. 597; Cat. Afr. Pl. Welw. i. 321; Harv. Gen. S.A. Pl. 94.

Salisbury, Sep. Rand, 620, 559; North of Hartley, Engler; Marandellas, Engler; Sengwe Riv. Govt. Herb. 948; Lomagundi, Govt. Herb. 972.

P. curatellæfolium, *Planch.*

Fl. Trop. Afr. ii. 368.

Chikore Hills, 3500 ft. bud, Nov. Swyn. 30; Chirinda, 3700 ft. Swyn. 306.

P. Gilletii, *De Wild.*

Chirinda, Oct. Swyn. 555, 1303.

P. Mobola, *Oliv.*

Fl. Trop. Afr. ii. 368; For. Fl. Port. E. Afr. 61; Cat. Afr. Pl. Welw. i. 320.

Salisbury, Sep. Rand, 548, 630; Matopos, fr. Nov. Marloth, 3375; fl. & fr. Oct. Gibbs, 64; Davy; Engler; Govt. Herb. 894; North of Hartley, Engler; Marandellas, Engler; Gwanda, Noble, 43; Victoria, Monro, 454, 537, North of Sengwe Riv. Govt. Herb. 945.

FAMILY CXXVII.—CONNARACEAE, *R. Br.*3419—**Agelæa nitida**, *Solander.*

Chirinda, 3800 ft. fl. Oct. fr. Feb. Swyn. 228, 228a.

3421—**Brysocarpus coccineus**, *Schum. & Thonn.*

Fl. Trop. Afr. i. 452.

Victoria Falls, Rogers, 5469.

var. **parvifolius**, *Planch.*

Fl. Trop. Afr. i. 452.

Victoria Falls, Sep. Gibbs, 154.

3424—**Rourea** sp.

Victoria Falls, Allen, 414.

3428—**Cnestis natalensis**, *Planch. & Sond.*

Fl. Cap. i. 528.

Chirinda, 3700–4000 ft. Dec. Swyn. 166.

FAMILY CXXVIII.—LEGUMINOSAE, *Juss.*

Genus No.

3443—**Albizzia amara**, *Boiv.*

Fl. Trop. Afr. ii. 356.

Bulawayo, 4500 ft. Oct. Eyles, 1090.

A. anthelmintica, *Bron.*

Fl. Trop. Afr. ii. 357; Cat. Afr. Pl. Welw. i. 314; For. Fl. Port. E. Afr. 60.

Sabi Riv. 1000 ft. fr. Nov. Swyn. 1005; Victoria Falls, Rogers, 5319; Allen, 174; Matopos, Rogers, 5343.

A. Antunesiana, *Harms.*

Salisbury, Engler.

A. fastigiata, *E. Mey.* (*Zygia fastigiata*, *E. Mey.*)

Fl. Trop. Afr. ii. 361; For. Fl. Port. E. Afr. 59; For. Fl. Cape, 213; Nat. Pl. 27; Cat. Afr. Pl. Welw. i. 317; Fl. Cap. ii. 285.

Chirinda Forest, Swyn. 54 (forma).

var. **chirindensis**, *Swyn.*

Journ. Linn. Soc. Bot. xl. 65.

Chirinda Forest, 3700–4000 ft. Oct. Swyn. 52; and West of Mt. Mpeno, Swyn.

A. Harveyi, *Fourn.* (*A. hypoleuca*, *Oliv.*; *A. pallida*, *Harv.*)

Victoria Falls, Allen, 64; Rogers, 8675; Sabi Riv. 1000 ft. bud, Nov. Swyn. 1216; Bulawayo, Monro, 386, 377, 310; Victoria, Monro, 558.

A. mozambicensis, *Sim.*

For. Fl. Port. E. Afr. 59.

Plumtree, Govt. Herb. 2044.

A. versicolor, *Welw.*

Fl. Trop. Afr. ii. 359; Cat. Afr. Pl. Welw. i. 315.

Victoria Falls, Rogers, 5470.

A. spp.

Matopos, fl. & fr. Oct. Gibbs, 198, 187.

Galpin, Sep. 7082.

Lomagundi, Govt. Herb. 978.

3446—**Acacia albida**, *Del.*

Fl. Trop. Afr. ii. 339; For. Fl. Port. E. Afr. 54; Cat. Afr. Pl. Welw. i. 310.

Victoria Falls, Allen, 399; Inyoka, Govt. Herb. 947.

. caffra, *Willd.*

Fl. Trop. Afr. ii. 345; Fl. Cap. ii. 282; For. Fl. Port. E. Afr. 56;

For. Fl. Cape, 210; Cat. Afr. Pl. Welw. i. 311.

Victoria, Monro, 681; South Melssetter, Swyn.

Genus No.

3446—**A. farnesiana**, Willd.

Fl. Trop. Afr. ii. 346; Cat. Afr. Pl. Welw. i. 312.

Victoria Falls, Allen, 98; Gwanda, Noble, 4.

A. giraffae, Burch.

Fl. Cap. ii. 280; For. Fl. Cape, 213.

North of Bulawayo, Engler; South Rhodesia, Marloth.

A. horrida, Willd.

Fl. Cap. ii. 281; For. Fl. Port. E. Afr. 57; For. Fl. Cape, 211.

North of Bulawayo, Engler; Umtali, Engler; Umvumvumu

Riv. 2000 ft. April, Swyn. 59a; South Rhodesia, Marloth.

A. mimosoides, L.

Bulawayo, Monro, 20.

A. natalitia, E. Mey.

Fl. Cap. ii. 281; For. Fl. Port. E. Afr. 57.

Swynnerton in MSS. refers to this species as the common *Acacia* of his district, occurring at Chipete, Chirinda, South Chirinda and South Melssetter.**A. nigrescens**, Oliv.

Fl. Trop. Afr. ii. 340; For. Fl. Port. E. Afr. 54.

Matopos, Davy; Victoria Falls, Davy; Allen, 417; Rogers, 5297, 5299; South of Zambesi, Engler; Victoria, Monro, 1083; Leopard's Mine, Govt. Herb. 959; Lomagundi, Govt. Herb. 992.

var. **pallida**, Oliv.

North of Bulawayo, Engler.

A. pennata, Willd.

Fl. Trop. Afr. ii. 345; Fl. Cap. ii. 283; Cat. Afr. Pl. Welw. i. 312; Nat. Pl. 244; For. Fl. Port. E. Afr. 56.

Chirinda Forest, 3700–4000 ft. Jan. Swyn. 84; Chipete Forest, Swyn.

A. rehmanniana, Schinz.

Bulawayo, Davy; Rogers, 5488 ?

A. roxumae, Oliv.

Fl. Trop. Afr. ii. 353.

Matopos, Rogers, 5346 ?

A. Seyal, Del.

Fl. Trop. Afr. ii. 351; For. Fl. Port. E. Afr. 57.

Bulawayo, Jan. Rand, 72.

var. **multijuga**, Schweinf.

Bulawayo, Dec. Rand, 37.

A. Suma, Kurz.

Victoria Falls, Allen, 68.

Genus No.

A. Vereck, *Guill. & Perr.* (*A. Senegal*, Willd.)

Fl. Trop. Afr. ii. 342; Cat. Afr. Pl. Welw. i. 311.

Bulawayo, Rogers, 5741; Victoria Falls, Rogers, 5544.

A. Welwitschii, *Oliv.*

Fl. Trop. Afr. ii. 341; For. Fl. Port. E. Afr. 55.

Victoria Falls, Sep. Gibbs, 128.

A. xanthophlœa, *Benth.*

For. Fl. Port. E. Afr. 58.

Wankie, Davy.

A. spp.

Victoria Falls, April, Flanagan, 3093; Rogers, 5120, 5583, 5584.

Bulawayo, Dec. Gardner, 89; Monro, 26, 32, 34, 116; Rand, 449, 450; Eyles, 1088; Rogers, 5490, 5510.¹

Salisbury, Rand, 4, 35, 70, 434.

Victoria, Monro, 453, 769, 388, 325, 488.

Lomagundi, Govt. Herb. 971, 981.

Charter, Govt. Herb. 3020.

South Rhodesia, Rand, 597, 598.

3449—**Mimosa asperata**, *L.*

Fl. Trop. Afr. ii. 335.

Victoria Falls, Allen, 65; April, Flanagan, 3111; Rogers, 5069, 7404.

3452—**Dichrostachys nutans**, *Benth.*

Fl. Trop. Afr. ii. 333; Fl. Cap. ii. 278; Nat. Pl. 243; For. Fl. Port. E. Afr. 53.

Bulawayo, Jan. Rand, 35; Eyles, Dec. 1212; Rogers, 5507;

Victoria, Monro, 388; Gwanda, Noble, 67; Chirinda, 3500 ft.

Oct. Swyn. 162; 2000 ft. Dec. Swyn. 1013; Chikore Hills,

3500 ft. Oct. Swyn. 1015; South Melssetter, 2000–3500 ft. Nov.

Swyn. 1016; Lusitu Riv. Swyn. 1019; Victoria Falls, Rogers,

5394, 7449.

D. spp.

Bulawayo, Monro, 29.

Rusapi, Mundy, cf. *D. nutans*, Benth.

Charter, Govt. Herb. cf. *D. nutans*, Benth.

South Rhodesia, Rand, 314.

3457—**Tetrapleura sp.**

Victoria Falls, Allen, 424, cf. *T. andongensis*, Welw.

3458—**Amblygonocarpus Schweinfurthii**, *Harms.*

Victoria Falls, Galpin, 6949.

A. obtusangulus, *Harms.*

Victoria Falls, Rogers, 5970*.

¹ According to Rogers, his No. 5510 is *Acacia robusta*, Burch.

Genus No.

3463—**Piptadenia Buchanani**, *Baker*.

Upper Buzi, 3500 ft. Oct. Swyn. 1018; South of Lusitu Riv.
Swyn.; between Inyamadzi and Buzi, Swyn.

P. spp.

Victoria, Monro, 798.

3467—**Elephantorrhiza Burchellii**, *Benth.*

Fl. Cap. ii. 277.

Matopos, Marloth; Engler; Rogers, 5335; Umtali, Engler;
Lomagundi, Govt. Herb. 970; Victoria Falls, Rogers, 5783;
Victoria, Monro, 543, 488.

E. Burkei, *Benth.*

Matopos, Davy

E. rubescens, *Gibbs*.

Journ. Linn. Soc. Bot. xxxvii. 441.

Matopos, Oct. Gibbs, 184; Victoria Falls, Galpin, 7062.

3468—**Entada sp.**

South Melsetter, Swyn. cf. *E. abyssinica*, Steud.

3471—**Erythrophlœum pubistamineum**, *Henn.*

Victoria Falls, Allen, 168; Rogers, 5303.

3474—**Burkea africana**, *Hook.*

Fl. Trop. Afr. ii. 320; Fl. Cap. ii. 271; Cat. Afr. Pl. Welw. i. 304;
Harv. Gen. S.A. Pl. 90.

Matopos, Galpin, 7059; Marloth, 3410; Davy; Gibbs; Victoria
Falls, Galpin; Gibbs, Oct. 143; Rogers, 7439, 6028; Bulawayo,
4500 ft. Oct. Eyles, 1093; Engler; Umtali, Govt. Herb. 847;
Marandellas, Govt. Herb. 873; Chirinda and Chikore Hills, Swyn.

B. sp.

Victoria Falls, Allen, 48.

3490—**Copaifera coleosperma**, *Benth.*

Fl. Trop. Afr. ii. 314; For. Fl. Port. E. Afr. 52.

Victoria Falls, Galpin, 7014; fr. Sep. Gibbs, 144; Rogers, 7250,
7219; Allen, 155; North of Bulawayo, Engler; Hartley;
Engler; Salisbury, Rand, 456, 460.

C. mopane, *Kirk.*

Fl. Trop. Afr. ii. 315; For. Fl. Port. E. Afr. 51.

Bulawayo, Dec. Rand, 12; Engler; between Malindi and Vic-
toria Falls, Galpin, 7011; South of Matopos, leaf, Oct. Gibbs.
204; Matopos, Engler; Rogers, 5161; Melsetter Dist. Swyn.

3504—**Brachystegia appendiculata**, *Benth.*

Fl. Trop. Afr. ii. 305.

Sebakwe, 4000 ft. Sep. Eyles; Victoria Falls, Sep. Gibbs, 145;
Allen, 165; Matopos, Flanagan, 3096; Gwanda, Noble, 33;
Marandellas, Govt. Herb. 871.

Genus No.

B. Bragæi, *Harms.*

Journ. Linn. Soc. Bot. xl. 63.

Melsetter, 5000 ft. Sep. Swyn. 657.

B. globiflora, *Hook.*

Victoria, Monro, 541, 970; Melsetter, March, Swyn. 164;

Chirinda, Jan. Swyn. 6586.

B. Goetzei, *Harms.*

Hartley, Engler; Rusapi, Engler.

B. Randii, *E. G. Baker.*

Journ. Bot. 1899, 433.

Salisbury, Sep. Rand, 610, 611; Rogers, 5796; Victoria, Monro, 456, 468, 526, 664; Matopos, Govt. Herb. 872; Victoria Falls, Rogers, 7456; Sebakwe, Rogers.

B. spicæformis, *Benth.*

Fl. Trop. Afr. ii. 306; For. Fl. Port. E. Afr. 49; Cat. Afr. Pl. Welw. i. 298 & 300; Journ. Linn. Soc. Bot. xl. 63.

Hartley, Engler; Salisbury, Engler; May, Flanagan, 3149; Umtali, Engler.

B. tamarindoides, *Welw.*

Fl. Trop. Afr. ii. 307; For. Fl. Port. E. Afr. 50; Cat. Afr. Pl. Welw. i. 301.

Matopos, 5000 ft. Oct. Eyles, 1250.

B. spp.

Victoria Falls, Galpin, 7057.

Victoria, Monro, 329, 330, 373.

Umtali, Govt. Herb. 849.

Lomagundi, Govt. Herb. 976, 987.

Marandellas, Govt. Herb. 916.

3506—**Schotia brachypetala**, *Sond.*

Fl. Cap. ii. 274; Nat. Pl. 390; For. Fl. Port. E. Afr. 51.

Victoria, Monro, 443.

S. latifolia, *Jacq.*

Fl. Cap. ii. 274; For. Fl. Cape, 206.

Abercorn, Govt. Herb. 933.

S. sp.

Victoria, Monro, 381.

3507—**Baikiaea plurijuga**, *Harms.*

Victoria Falls, Allen, 147; Rogers, 5715, 7256, 7163; North Bulawayo, Engler; Dec. Eyles, 1122.

B. sp.

Between Malindi and Victoria Falls, 7047.

Genus No.

3509—**Afzelia cuanzensis**, Welw. (*Intsia cuanzensis*, O. Kuntze.)

Fl. Trop. Afr. ii. 302; For. Fl. Port. E. Afr. 48; Cat. Afr. Pl. Welw. i. 299.

Wankie, Hutchins; Matopos, Galpin, 7079; Marloth; Davy; Oct. Gibbs, 275; Victoria Falls, Galpin; Allen, 36; Gwanda, Noble, 24; Victoria, Monro, 568; Lomagundi, Govt. Herb. 988.

3511—**Pahudia quangensis**, Prain.

Lusitu Riv. 2500 ft. bud, Sep. Swyn. 1447; Chikore Hills, Swyn.

3516—**Berlinia Eminii**, Taub.

East of Salisbury, Engler; Umtali, Engler.

B. paniculata, Benth.

Fl. Trop. Afr. ii. 295; Cat. Afr. Pl. Welw. i. 298.

Victoria Falls, Rogers, 5396; Galpin, 7047?

3528—**Bauhinia articulata**, DC. (*B. reticulata*, DC.)

Fl. Trop. Afr. ii. 290; Cat. Afr. Pl. Welw. i. 296; For. Fl. Port. E. Afr. 48.

Salisbury, mature pod, May, Flanagan, 3148; Bulawayo, Rogers, 5494; Chirinda, 3600 ft. bud, March, Swyn. 165; Victoria Falls, Galpin, 7068; Hartley, Engler; Matabeleland, Marloth.

B. fassoglensis, Kotschy.

Fl. Trop. Afr. ii. 286.

Matabeleland, Oates; Bulawayo, Dec. Rand, 78; Jan. Gardner, 77; Rogers, 5503; Chubb, 2; Salisbury, Darling, in Herb. Bolus, 11189; Rand, 1343, 1344; Gwanda, Noble, 15; Matopos, Rogers, 5161b; Umtali, Swyn.

B. Galpini, N. E. Br.

Umtali, Engler; Lomagundi, Govt. Herb.; Victoria Falls, Rogers, 5328; between Salisbury and Portuguese border, Rogers, 12924; Chirinda, 3500 ft. Dec. Swyn. 192; Chikore Hills, Swyn.; between Melsetter and Umtali, Swyn.; Bulawayo, Eyles, 571.

B. macrantha, Oliv.

Fl. Trop. Afr. ii. 289.

Victoria Falls, Rogers, 5576, 7247; North of Bulawayo, Eyles, 340.

B. petersiana, Bolle.

Fl. Trop. Afr. ii. 288.

Shashi Riv. Dec. Rand, 2; Victoria Falls, Rogers, 5441; between Melsetter and Umtali, Swyn.

B. spp.

Sebakwe, 4000 ft. Nov. Eyles, 172.

Victoria Falls, Allen, 137.

South Rhodesia, Rand, 315.

Genus No.

3530—**Dialium guineense**, Willd.

Fl. Trop. Afr. ii. 283 ; Cat. Afr. Pl. Welw. i. 294.

Victoria Falls, Rogers, 5307.

3536—**Cassia abbreviata**, Oliv.

Fl. Trop. Afr. ii. 271.

Matopos, Nov. Marloth, 3383 ; Engler ; Mazoe, 4700 ft. Sep.

Eyles, 435 ; Victoria Falls, Allen, 35 ; Inyoka, Govt. Herb.

949 ; Lomagundi, Govt. Herb. 979 ; Salisbury, Govt. Herb.

936 ; Bulawayo, Chubb, 359 ; Sebakwe, Rogers, 6199.

C. Absus, L.

Fl. Trop. Afr. ii. 279 ; Cat. Afr. Pl. Welw. i. 292.

Victoria Falls, April, Flanagan, 3095, 3130 ; Rogers, 5728 ? ¹.

C. arachoides, Burch.

Fl. Cap. ii. 272.

Bulawayo, Rand, 3 and 42 ; Rogers, 5824 ; Dec. Eyles, 48 ;

Nov. Eyles, 1108 ; Matabeleland, Marloth.

C. didymobotrya, Fres.

Fl. Trop. Afr. ii. 276 ; Cat. Afr. Pl. Welw. i. 292.

Bulawayo, July, Rand, 451 ; Victoria, Monro, 379 ; Salisbury,

Mundy, Chirinda, 3500 ft. June, Swyn. 1419.

C. fistula, L.

Crescens Block, Matabeleland, Govt. Herb. 957.

C. goratensis, Fries.

Fl. Trop. Afr. ii. 273 ; Cat. Afr. Pl. Welw. i. 291.

Victoria Falls, Rogers, 5152 ; Salisbury, Govt. Herb. 759 ; Bula-

wayo, Govt. Herb. 917 ; Victoria, Monro, 362.

C. granitica, E. G. Baker.

Journ. Bot. 1905, 45.

Bulawayo, 4500 ft. Sep. Eyles, 1080 ; Matopos, Sep. Galpin,

7061 ; Davy ; Oct. Gibbs, 97 ; Victoria Falls, Galpin ; Davy.

C. mimosoides, L.

Fl. Trop. Afr. ii, 280 ; Fl. Cap. ii. 273 ; Cat. Afr. Pl. Welw.
i. 293.

Matopos, fl. & fr. Oct. Gibbs, 251 ; Victoria Falls, Allen, 8 ;

Rogers, 5044 ; Victoria, Monro, 882, 1046 ; Salisbury, Rogers,

4073 ; Chirinda, Swyn. ; Bulawayo, Rogers, 2824.

C. occidentalis, L.

Fl. Trop. Afr. ii. 274 ; Fl. Cap. ii. 272 ; Cat. Afr. Pl. Welw. i. 291.

Victoria Falls, April, Flanagan, 3112 ; Rogers, 5727 ; Victoria,

Monro, 896a ; Salisbury, Kolbe, 4234.

¹ Rogers has this number named *C. Tora*, L.

Genus No.

C. petersiana, Bolle.

Fl. Trop. Afr. ii. 272.

Umtali, Engler; Melsetter, 3700 ft. April, Swyn. 199; 6000 ft. Sep. Swyn. 673; Umvumvumu Mts. 4000 ft. April, Swyn. 1155; Salisbury, Govt. Herb. 759; Odzani River Valley, Umtali, Teague, 115.

C. tettensis, Bolle.

Fl. Trop. Afr. ii. 273.

Mazoe, 4300–4800 ft. June, Eyles, 372; April, Flanagan, 3102; Queque, Rogers, 6198*; Victoria Falls, Rogers, 7533a*.

C. Tora, L.

Fl. Trop. Afr. ii. 275; Cat. Afr. Pl. Welw. i. 292; Victoria Falls, Rogers, 7031*; 7441*, 13305*.

C. spp.

Bulawayo, Monro, 63; Chubb, 361; Govt. Herb. 939.

Victoria, Monro, 449.

North of Bulawayo, Dec. Eyles, 1123.

Chikore Hills, 4500 ft. Nov. Swyn. 1472 (cf. *C. abbreviata*, Oliv.).

3544—**Gleditschia africana**, Welw.

Fl. Trop. Afr. ii. 265; Cat. Afr. Pl. Welw. i. 289, 315.

Victoria Falls, Sep. Gibbs, 137; Rogers, 7458, 5972.

3553—**Peterolobium lacerans**, R. Br. (*Cantuffia exosa*, Gmelin.)

Fl. Trop. Afr. ii. 264.

Matopos, Sep. Gibbs, 81; April, Flanagan, 3097; Engler; Mazoe, 4300 ft. March, Eyles, 282; fr. April, Flanagan, 3098; North Melsetter, 2000–6000 ft. fr. April, Swyn. 1044; South Rhodesia, Rand.

3591—**Peltophorum africanum**, Sond.

Fl. Trop. Afr. ii. 260; Fl. Cap. ii. 270; Cat. Afr. Pl. Welw. i. 287; For. Fl. Port. E. Afr. 47.

Bulawayo, Rand. 10 and 318 p.p.; Nov. Eyles, 1213; Rogers, 5476; Marloth; Galpin, 7009; Matopos, Hutchins; Oct. Gibbs, 307; Engler; Victoria Falls, Allen, 66; Inyamadzi Valley, 3300 ft. Dec. Swyn. 156; Chirinda, 3500 ft. fr. Jan. Swyn. 1020; Chikore Hills, Swyn.; South Melsetter, Swyn.

3574—**Swartzia madagascariensis**, Desv.

Fl. Trop. Afr. ii. 257; For. Fl. Port. E. Afr. 46.

Salisbury, Rand. 1364; Victoria, Monro, 574; Mrewas, Govt. Herb. 867; Lomagundi, Govt. Herb. 994; Umtali, Swyn.; Umvumvumu Mts. Swyn.; Charter, Govt. Herb. 3018; Victoria Falls, Rogers, 7232.

S. sp.

Mazoe, fr. April, Flanagan, 3147.

Genus No.

- 3597—**Ormosia angolensis**, *Baker*.
Fl. Trop. Afr. ii. 255 ; Cat. Afr. Pl. Welw. i. 286.
Chikore Hills, 3500 ft. fr. March, Swyn. 1473 ; Chirinda, 3000 ft.
Swyn. ; Victoria Falls, Rogers, 7475*, 7520.
- 3601—**Castanospermum australe**, *A. Cunn.*
Salisbury, Govt. Herb. 2043.
- 3602—**Sophora ? zambesiaca**, *Baker*.
Fl. Trop. Afr. ii. 253.
Sabi Riv. 1000 ft. Nov. Swyn. 1452.
- 3607—**Calpurnia aurea**, *Baker*. (*C. lasiogyne*, *E. Mey.*)
Fl. Trop. Afr. ii. 253 ; Fl. Cap. ii. 267 ; Cat. Afr. Pl. Welw.
i. 286 ; Nat. Pl. 4 ; For. Fl. Cape, 205.
Chirinda, 3700–4000 ft. May, Swyn. 79 ; Chipete Forest, 3800 ft.
Swyn.
- 3607a—**Bolusanthus speciosus** (*Bolus*), *Harms.* (*Lonchocarpus speciosus* ?)
For. Fl. Port. E. Afr. 44.
Victoria Falls, Sep. Gibbs, 126 ; Allen, 169 ; Rogers, 5314, 7239 ;
Matopos, Oct. Gibbs ; Bulawayo, Chubb, 301 ; Rogers, 5500 ;
Mazoe, Govt. Herb. 928 ; Umtali, Govt. Herb. 823 ; Umvum-
vumvu Riv. 4000 ft. Oct. Swyn. 6167.
- B. spp.**
Sebakwe, 4000 ft. Sep. Eyles, 176.
Victoria, Monro, 512.
Bulawayo, 4500 ft. Sep. Eyles, 1079 ; Dec. Chubb, 300.
- 3612—**Baphia spp.**
Salisbury, Govt. Herb. 1022.
Victoria Falls, Rogers, 5586, 7270, 7233.
- 3657—**Lotononis aristata**, *Schinz*, var. **gazensis**, *Baker f.*
Journ. Linn. Soc. Bot. xl. 51.
Chimanimani Mts. 7000 ft. Sep. Swyn. 1418 ; Melsetter, 6000 ft.
Oct. Swyn. 6196.
- L. Leobordea**, *Benth.*
Fl. Trop. Afr. ii. 5 ; Fl. Cap. ii. 61.
Bulawayo, May, Rand, 303, 309 ; Matopos, Sep. Gibbs, 19 ;
Victoria Falls, April, Flanagan, 3087.
- 3658—**Listia heterophylla**, *E. Mey.*
Fl. Cap. ii. 66 ; Harv. Gen. S.A. Pl. 74.
Bulawayo, May, Rand, 312 ; Rogers, 5485 ; between Bulawayo
and Salisbury, April, Flanagan, 3125 ; Matopos, Gibbs ;
Engler ; Umtali, Engler ; Rogers, 4028.
- 3659—**Rothia hirsuta**, *Baker*.
Fl. Trop. Afr. ii. 7 ; Cat. Afr. Pl. Welw. i. 195.
Bulawayo, April, Flanagan, 3088.

Genus No.

3664—**Dichilus lebeckoides**, *DC.*

Fl. Cap. ii. 77.

Bulawayo, 4400 ft. Dec. Eyles, 1004.

3669—**Crotalaria anthyllopsis**, *Welw.*

Fl. Trop. Afr. ii. 15; Cat. Afr. Pl. Welw. i. 197; Journ. Linn. Soc. Bot. xlii. 263.

Salisbury, May, Flanagan, 3101.

C. Barnabassii, *Dinter.*

Journ. Linn. Soc. Bot. xlii. 356.

Victoria Falls, Rogers, 5598.

C. brevidens, *Benth.*

Fl. Trop. Afr. ii. 37; Journ. Linn. Soc. Bot. xlii. 329.

Salisbury, April, Flanagan, 3118.

C. capensis, *Jacq.*

Fl. Trop. Afr. ii. 38; Fl. Cap. ii. 46; Nat. Pl. 92; Journ. Linn. Soc. Bot. xlii. 405.

Matopos, Govt. Herb. 900 (cultivated); Victoria Falls, Rogers, 5599.

C. cephalotes, *Steud.*

Fl. Trop. Afr. ii. 23; Cat. Afr. Pl. Welw. i. 199; Journ. Linn. Soc. Bot. xlii. 277.

Salisbury, fr. July, Rand, 463a, p.p.; Mazoe, 4600 ft. April, Eyles, 370; Enterprise, April, Flanagan, 3104.

C. chirindae, *Baker f.*

Journ. Linn. Soc. Bot. xlii. 377.

Chirinda, 3800 ft. Swyn. 397, 1498.

C. cylindrostachys, *Welw.*

Fl. Trop. Afr. ii. 15; Cat. Afr. Pl. Welw. i. 197; Journ. Linn. Soc. Bot. xlii. 257.

Victoria, Monro, 1045.

C. flavicarinata, *Baker f.*

Journ. Linn. Soc. Bot. xxxvii. 437, and xlii. 333.

Victoria Falls, Sep. Gibbs, 168; Allen, 31; Rogers, 5123.

C. gazensis, *Baker f.*

Journ. Linn. Soc. Bot. xl. 51, and xlii. 396.

Nyahodi Riv. 5000 ft. fl. & fr. April, Swyn. 1493.

C. intermedia, *Kotschy.*

Fl. Trop. Afr. ii. 37; Cat. Afr. Pl. Welw. i. 203; Journ. Linn. Soc. Bot. xlii. 327.

Mazoe, 4800 ft. March, Eyles, 274; Salisbury, April, Flanagan, 3119; South Rhodesia, Rand, 44.

Genus No.

3669—**C. laburnifolia**, *L.*

Journ. Linn. Soc. Bot. xlii. 318.

Shashi Riv. Jan. Rand, 45; Bulawayo, 4500 ft. Feb. Eyles, 1061;
Victoria Falls, Allen, 107, 125; Rogers, 5612; Victoria, Monro,
737; Manica, Johnston, in Herb. Kew.

C. lachnocarpa, *Hochst.* (*C. elata*, Welw.)

Fl. Trop. Afr. ii. 29; Cat. Afr. Pl. Welw. i. 201; Journ. Linn.
Soc. Bot. xlii. 404.

Chirinda, 3500 ft. April, Swyn. 373.

C. lanceolata, *E. Mey.* (*C. mossambicensis*, Klotzsch.)

Fl. Trop. Afr. ii. 36; Fl. Cap. ii. 43; Nat. Pl. 291; Journ. Linn.
Soc. Bot. xlii. 343.

Chirinda, 3700–4000 ft. fl. & fr. May, Swyn. 479.

C. natalitia, *Meisn.* (*C. kilimandscharica*, Taub.)

Fl. Trop. Afr. ii. 34; Fl. Cap. ii. 46; Cat. Afr. Pl. Welw. i. 203;
Journ. Linn. Soc. Bot. xlii. 410.

Salisbury, Rogers, 4024; Chipete Forest, 3800 ft. May, Swyn.
478; Nyahodi Riv. 5000 ft. April, Swyn. 1494; Victoria,
Monro, 1779; Odzani River Valley, Umtali, Teague, 22.

C. orthoclada, *Welw.*

Fl. Trop. Afr. ii. 29; Cat. Afr. Pl. Welw. i. 201; Journ. Linn.
Soc. Bot. xlii. 369.

Salisbury, Govt. Herb. 756.

C. petiolaris, *Franch.* var. **australis**, *Baker f.*

Journ. Linn. Soc. Bot. xlii. 319.

Victoria, Monro, 651.

C. piscarpa, *Welw.*

Fl. Trop. Afr. ii. 16; Cat. Afr. Pl. Welw. i. 197; Journ. Linn.
Soc. Bot. xlii. 303.

Bulawayo, April, Flanagan, 3091.

C. podocarpa, *DC.*

Fl. Trop. Afr. ii. 17; Fl. Cap. ii. 593; Journ. Linn. Soc. Bot.
xlii. 406.

Bulawayo, Jan. Rand, 43; April, Flanagan, 3092; Victoria Falls,
April, Flanagan, 3128.

C. recta, *Steud.*

Fl. Trop. Afr. ii. 40; Journ. Linn. Soc. Bot. xlii. 352.

Salisbury, April, Flanagan, 3120; Chirinda, 3800 ft. Nov.
Swyn. 365.

C. Rogersii, *Baker f.*

Journ. Linn. Soc. Bot. xlii. 347.

Salisbury, Rogers, 4011; Darling, in Herb. Kew 10771; Rand,
455; Mazoe, 4300 ft. Aug. Eyles, 181.

Genus No.

C. sericifolia, Harms., var. **gweloensis**, Baker f.

Journ. Linn. Soc. Bot. xlii. 398.

Gwelo, fl. & fr. Jan. Rand, 50.

C. spartioides, DC.

Fl. Cap. ii. 40; Journ. Linn. Soc. Bot. xlii. 270.

Bulawayo, 4500 ft. Feb. Eyles, 1192; Victoria Falls, Allen, 226.

C. sphærocarpa, Guill. & Perr.

Fl. Trop. Afr. ii. 23; Journ. Linn. Soc. Bot. xlii. 289.

Victoria Falls, Rogers, 5123a, 7170; Bulawayo, Rogers, 5921.²var. **angustifolia**, Hochst. (*C. nubica*, Benth.)

Fl. Trop. Afr. ii. 23; Fl. Cap. ii. 45.

Bulawayo, April, Flanagan, 3090; Victoria Falls, Rogers, 5555, 7197.

C. striata DC.

Fl. Trop. Afr. ii. 38; Fl. Cap. ii. 44; Cat. Afr. Pl. Welw. i. 203;

Nat. Pl. 532; Journ. Linn. Soc. Bot. xlii. 345.

Salisbury, Engler.

C. spp.

Victoria Falls, April, Flanagan, 3110.

Gwelo, Jan. Gardner, 38, cf. *C. stenoptera*, Welw.

Redbank, 4000 ft. March, Eyles, 4.

Sebakwe, 4000 ft. Dec. Eyles, 74.

Bulawayo, 4500 ft. Dec. Eyles, 84, cf. *C. obscura*, DC.; Monro, 99.

Victoria, Monro, 1047.

Salisbury, Govt. Herb. 757.

Charter, Govt. Herb. 3022.

3673—**Argyrolobium andrewsianum**, Steud.

Fl. Cap. ii. 75.

Chirinda, Swyn.; Melsetter, Swyn.

A. collinum, E. & Z.

Fl. Cap. ii. 72.

Untali, Rogers, 4029.

A. spp.

Bulawayo, 4500 ft. Feb. Eyles, 1175.

South Rhodesia, Rand, 60.

3702—**Indigofera adenoides**, Baker f.

Matopos, April, Flanagan, 3136.

I. arrecta, Hochst.

Fl. Trop. Afr. . 97; Nat. Pl. 287.

Salisbury, April, Flanagan, 3142; Chikore Hills, 3500 ft. March,

Swyn. 266; Bulawayo, Rogers, 6201.

² According to Rogers this is *C. squarrosa*, Schinz, var. *Dinteri*, Bkr. fil.

Genus No.

3702---**I. Cecili**, *N. E. Br.*

Kew Bull. 1906, 101.

Inyanga, Cecil, 186; Chirinda, 3800 ft. fl. & fr. Nov. Swyn. 262;
fl. & fr. April, Swyn. 263.

I. cryptantha, *Benth.*

Fl. Cap. ii. 195.

Matopos, fr. Sep. Gibbs, 303.

I. daleoides, *Benth.*

Fl. Trop. Afr. ii. 95; Fl. Cap. ii. 200; Cat. Afr. Pl. Welw. i. 214.

Bulawayo, 4500 ft. Nov. Eyles, 1218; Matopos, April, Flanagan,
3135; between Plumtree & Bulawayo, fr. April, Flanagan, 3134.

I. diphylla, *Vent.*

Fl. Trop. Afr. ii. 74.

Victoria Falls, April, Flanagan, 3132, 3145; Rogers, 7417.

I. emarginella, *Steud.*

Fl. Trop. Afr. ii. 99; Cat. Afr. Pl. Welw. i. 216.

Chikore Hills, 3500 ft. March, Swyn 1471.

I. endecaphylla, *Jacq.*

Fl. Trop. Afr. ii. 96; Fl. Cap. ii. 199; Cat. Afr. Pl. Welw. i. 214.

Chirinda, 3800 ft. fr. April, Swyn. 371; fr. May, Swyn. 480;
Victoria Falls, Rogers, 7109*.

I. filipes, *Benth.*

Fl. Cap. ii. 198.

Victoria Falls, April, Flanagan, 3094

I. Flanaganii, *Bolus, MS.*

Victoria Falls, Rogers, 7206.

I. flavicans, *Baker.*

Fl. Trop. Afr. ii. 73.

Victoria Falls, Rogers, 7267, 5730.

I. goniodes, *Hochst.*

Fl. Trop. Afr. ii. 85.

Bulawayo, Jan. Rand, 38

I. hedyantha, *E. & Z.*

Fl. Cap. ii. 188.

Mt. Pene, 7000 ft. Sep. Swyn. 2094.

I. heptaphylla, *Hiern.*

Cat. Afr. Pl. Welw. i. 209.

Bulawayo, Rogers, 5922, 5923 ?

I. heterotricha, *DC.*

Fl. Cap. ii. 189.

Bulawayo, 4500 ft. Nov. Eyles, 1095; Monro, 61; Rogers, 5676,
5487, 5823; Matopos, Rogers, 5407.

Genus No.

3702—var. **rhodesiana**, *Baker f.*

Journ. Bot. 1903, 262.

Bulawayo, Dec. Rand, 62.

I. hilaris, *E. & Z.*

Fl. Cap. ii. 188.

Salisbury, Aug. Rand, 445; Matopos, 4500 ft. Nov. Eyles, 1158;

Umtali, Engler; Marandellas, Rogers, 4038; Melssetter,

5000-6000 ft. Oct. Swyn. 6187, 6189; Chirinda, 3500 ft. May,

Swyn. 477.

I. hirsuta, *L.*

Fl. Trop. Afr. ii. 88; Fl. Cap. ii. 194; Cat. Afr. Pl. Welw. i. 212.

Victoria Falls, April, Flanagan, 3133; Rogers, 7042, 7105, 5729;

Victoria, Monro, 1046a.

I. inyangana, *N. E. Br.*

Kew Bull. 1906, 102.

Inyanga, Cecil, 174.

I. Lyallii, *Baker.*

Chimanimani Mts. 7000 ft. fr. Sep. Swyn. 1458.

I. oxalidea, *Welw.*

Fl. Trop. Afr. ii. 86; Cat. Afr. Pl. Welw. i. 210.

Melssetter, Govt. Herb. 751.

I. pentaphylla, *L.*

Fl. Trop. Afr. ii. 82.

Salisbury, Engler.

I. procera, *Schum. & Thonn.*

Fl. Trop. Afr. ii. 71; Cat. Afr. Pl. Welw. i. 207.

Chipetzana, 3000 ft. fr. April, Swyn. 1485.

I. Schimperii, *Jaub. & Spach.*

Fl. Trop. Afr. ii. 93.

Bulawayo, Dec. Rand, 39 (forma); Victoria Falls, Rogers, 5567.

I. secundiflora, *Poir.*

Fl. Trop. Afr. ii. 94.

South Rhodesia, Rand, 609.

I. senegalensis, *Lam.*

Fl. Trop. Afr. ii. 102.

Victoria Falls, April, Flanagan, 3139; Rogers, 6010; between

Bulawayo and Plumtree, April, fr. Flanagan, 3131.

I. sericea, *Benth.* forma **australis**, *E. G. Baker.*

Journ. Bot. 1903, 235; Fl. Trop. Afr. ii. 76 (type).

Bulawayo, Rand, 59.

I. strobilifera, *Hochst.*

Fl. Trop. Afr. ii. 75.

Victoria Falls, Rogers, 7026*.

Genus No.

I. transvaalensis, *Bk. fil.*

Bulawayo, Rogers, 13672*.

I. spp.

Victoria Falls, April, Flanagan, 3138, 3137, 3144; Rogers, 6020, 6014, 6023.

Salisbury, April, Flanagan, 3143; Darling in Herb. Bolus 11188; Govt. Herb. 755.

Bulawayo, Jan. Gardner, 62, 57, 11, 58.

Matopos, April, Flanagan, 3140; Rogers, 5686.

Mazoe, 4300–4700 ft. Nov. Eyles, 444.

Chikore Hills, Swyn. 267.

Melsetter, Swyn. 1459, 1460.

Chipetzana Riv. Swyn. 1486.

3703—**Psoralea foliosa**, *Oliv.* var. **gazensis**, *Baker f.*

Journ. Linn. Soc. Bot. xl. 52.

Melsetter, 6000 ft. Sep. Swyn. 1417.

3718—**Tephrosia Apollinea**, *DC.*

Fl. Trop. Afr. ii. 124.

Victoria Falls, Allen, 258.

T. Forbesii, *Baker.*

See note Fl. Trop. Afr. ii. 116.

Bulawayo, Dec. Eyles, 1206.

T. grandiflora, *Pers.*

Fl. Cap. ii. 209.

Chirinda, 3800 ft. fl. & fr. April, Swyn. 369

T. lupinifolia, *DC.*

Fl. Trop. Afr. ii. 107; Fl. Cap. ii. 204.

Victoria Falls, April, Flanagan, 3127; Rogers, 5716, 5605.

var. **digitata**, *DC.*

Fl. Trop. Afr. ii. 107.

Matopos, 4500–5000 ft. Nov. Eyles, 1154

T. lurida, *Sond.*

Fl. Cap. ii. 208.

Bulawayo, Jan. Rand, 41; Dec. Rand, 51; Matopos, fl. & young fr. Oct. Gibbs, 249; Rogers, 5682; Mazoe, 4700 ft. March, Eyles, 265.

T. nyasae, *Baker f.*

Chimanimani Mts. 7000 ft. Sep. Swyn. 1464.

T. polystachya, *E. Mey.*

Fl. Cap. ii. 206.

Victoria Falls, Rogers, 5626, 5558.

Genus No.

T. purpurea, Pers.

Fl. Trop. Afr. ii. 124.

Victoria Falls, Rogers, 7041*.

T. radicans, Welw.

Fl. Trop. Afr. ii. 121.

Matopos, April, Flanagan, 3099 ; Bulawayo, Rogers, 5486.

var. **rhodesiaca**, Baker f.

Journ. Bot. 1899, 430.

Bulawayo, fl. & fr. Dec. Rand, 52.

T. spp.Bulawayo, Dec. Gardner, 95, cf. *T. bracteolata*, Guill. & Perr.

Feb. Eyles, 1062.

Victoria, Mouro, 840.

3719—**Mundulea suberosa**, Benth.

Fl. Trop. Afr. ii. 126 ; Cat. Afr. Pl. Welw. i. 225.

Bulawayo, Dec. Rand, 77 ; Nov. Eyles, 1183 ; Monro, 96 ;

Rogers, 5742 ; Khami, Nov. Marloth, 3400 ; Sabi Riv. 1000 ft.

Swyn. 1453 ; Victoria, Monro, 464, 550 ; Matopos, Davy.

3721—**Schefflerodendron gazense**, Baker f.

Journ. Linn. Soc. Bot. xl. 55.

Chirinda Forest, 3700–4000 ft. Oct. Swyn. 13 ; Buzi Riv. Swyn.

3746—**Microcharis** sp.Matopos, April, Flanagan, 1341, cf. *M. Galpinii*, N. E. Br.3747—**Sesbania ægyptiaca**, Pers.

Fl. Trop. Afr. ii. 134.

Gwelo, Sr. Phil. 55.

S. cinerascens, Welw.

Fl. Trop. Afr. ii. 134 ; Cat. Afr. Pl. Welw. i. 231.

Victoria Falls, April, Flanagan, 3084, 3113.

S. pubescens, DC.

Fl. Trop. Afr. ii. 135 ; Cat. Afr. Pl. Welw. i. 231.

Victoria Falls, Engler ; South of Zambesi, Engler ; Matopos,

Rogers, 5159 ?, 5099.

S. punctata, DC.

Fl. Trop. Afr. ii. 133 ; Cat. Afr. Pl. Welw. i. 230.

Bulawayo, July, Rand, 448 ; Victoria Falls, July, Kolbe, 3132 ;

Rogers, 7407 ; Mazoe, April, Flanagan, 3122 ; Odzani River

Valley, Umtali, Teague, 15.

S. tetraptera, Hochst.

Fl. Trop. Afr. ii. 136.

Victoria Falls, April, Flanagan, 3109.

Genus No.

S. spp.

Victoria Falls, Allen, 7, cf. *S. pubescens*, DC. ; May, Eyles, 144.
Salisbury, April, Flanagan, 3121.

3756—**Lessertia pauciflora**, Harv.

Fl. Cap. ii. 222.

Matopos, fl. & young fr. Sep. Gibbs, 104.

L. stipulata, E. G. Baker.

Journ. Bot. 1899, 430.

Salisbury, fl. & young fr. Sep. Rand.

L. sp.

South Rhodesia, Rand, 614.

3766—**Astragalus burkeanus**, Benth.

Fl. Cap. ii. 224 ; Harv. Gen. S.A. Pl. 80.

Salisbury, Engler.

3792—**Ormocarpum trichocarpum** (Taub.), Torre & Harms. (*Diphaca trichocarpa*, Taub.)

Bulawayo, Dec. Rand, 31.

O. spp.

Bulawayo, Eyles, 93 ; Chubb, 78 ; Gardner, 69, cf. *O. bibracteatum*, Baker.

3793—**Æschynomene cristata**, Vatke.

Victoria Falls, fl. & fr. Sep. Gibbs ; Engler ; April, Flanagan, 3085.

A. elaphroxylon, Desv.

Victoria Falls, Rogers, 5632 ?

A. gazensis, Baker f.

Journ. Linn. Soc. Bot. xl. 56.

Melsetter, 6000 ft. Sep. Swyn. 1457.

A. grandistipulata, Harms.

Chimanimani Mts. 7000 ft. Swyn. 1499 ; W. Johnson, 232.

A. mimosifolia, Vatke.

North of Hartley, Engler ; Victoria Falls, Kolbe, 4243 ; Victoria, Monro, 783 ; Umtali, Rogers, 4056 ; Salisbury, April, Flanagan, 3116 ; Darling in Herb. Bolus, 10766.

A. nodulosa, Baker f. (*Smithia nodulosa*, Baker.) (*A. shirensis*, Taub.)

Fl. Trop. Afr. ii. 153 ; Journ. Linn. Soc. Bot. xl. 56.

Melsetter, 6000 ft. Sep. Swyn. 619.

A. nyassana, Taub.

Matopos, 4500–5000 ft. Nov. Eyles, 1117.

A. oligantha, Welw.

Fl. Trop. Afr. ii. 146 ; Cat. Afr. Pl. Welw. i. 234.

Victoria Falls, April, Flanagan, 3129.

Genus No.

A. uniflora, *E. A. Mey.*

Fl. Cap. ii. 226; Fl. Trop. Afr. ii. 146.

Victoria Falls, Rogers, 7062*.

A. spp.Bulawayo, Jan. Gardner, 17, cf. *A. heuchiana*, Baker.

Salisbury, Rand, 459.

Mazoe, 4300 ft. Jan. Eyles, 241, cf. *A. Ruppellii*, Baker; 5300 ft.

Jan. Eyles, 523.

Victoria Falls, Allen, 280.

3796—**Smithia strigosa**, *Benth.* (*Damapana strigosa*, O. Kuntze.)

Fl. Trop. Afr. ii. 154; Cat. Afr. Pl. Welw. i. 237.

Chirinda, 3800 ft. April, Swyn. 264; Chipetzana Riv. 3000 ft.

April, 1483; Mt. Pene, 7000 ft. Oct. Swyn. 6180.

S. thymodora, *Baker f.*

Journ. Linn. Soc. Bot. xl. 56.

Melsetter, 6000 ft. Swyn. 655.

3802—**Stylosanthes erecta**, *Beaur.*

Fl. Trop. Afr. ii. 156; Cat. Afr. Pl. Welw. i. 238.

Bulawayo, May, Rand, 310.

S. mucronata, *Willd.*

Fl. Trop. Afr. ii. 157.

Bulawayo, Rogers, 13076*, 13811*.

S. sp.

Victoria, Monro, 854.

3803—**Arachis hypogea**, *L.*

Fl. Trop. Afr. ii. 158; Fl. Cap. ii. 227; Cat. Afr. Pl. Welw. i. 239.

South Rhodesia, Rhod. Agric. Journ. April, 1904, 135; a common native crop of cultivation.

3804—**Zornia diphylla**, *Pers.*

Fl. Trop. Afr. ii. 158; Cat. Afr. Pl. Welw. i. 239.

Redbank, April, Flanagan, 3187.

Z. tetraphylla, *Michx.*

Fl. Trop. Afr. ii. 159; Fl. Cap. ii. 225.

Bulawayo, Jan. Rand, 61; Gwai, April, Flanagan, 3123; Victoria,

Monro, 908; Victoria Falls, Rogers, 5706; Chirinda, Swyn.

3807—**Desmodium dimorphum**, *Welw.* (*Meibomia dimorpha*, O. Kuntze.)

Fl. Trop. Afr. ii. 161; Cat. Afr. Pl. Welw. i. 240.

Victoria Falls, Rogers, 7152.

D. lasiocarpum, *DC.* (*D. latifolium*, DC.) (*Meibomia lasiocarpa*, O. Kuntze.)

Fl. Trop. Afr. ii. 162; Cat. Afr. Pl. Welw. i. 241.

Chirinda, Swyn.

Genus No.

D. paleaceum, *Guill. & Perr.* (*Meibomia oxybractea*, O. Kuntze.)
Fl. Trop. Afr. ii. 166 ; Cat. Afr. Pl. Welw. i. 242.

Victoria Falls, Engler ; Rogers, 5026 ; July, Kolbe, 3152 ; April, Flanagan, 3115.

D. Scalpe, *DC.* (*Meibomia repanda*, O. Kuntze.)

Fl. Trop. Afr. ii. 164 ; Cat. Afr. Pl. Welw. i. 242.

Salisbury, April, Flanagan, 3106 ; Chirinda, Swyn.

D. sp.

Victoria Falls, April, Flanagan, 3124, cf. *D. spirale*, DC.

3808—**Pseudarthria Hookeri**, *Wight & Arn.*

Fl. Trop. Afr. ii. 168 ; Nat. Pl. 219 ; Cat. Afr. Pl. Welw. i. 244.

Matopos, 4500 ft. Feb. Eyles, 1167 ; Rogers, 4067 ; Victoria, Monro, 979 ; Salisbury, Darling ; Chirinda, Swyn. ; Odzani River Valley, Umtali, Teague, 10.

3810—**Alysicarpus rugosus**, *DC.* (*A. Wallichii*, Wight and Arn.)
(*Fabricia rugosa*, O. Kuntze.)

Fl. Trop. Afr. ii. 171 ; Fl. Cap. ii. 230 ; Cat. Afr. Pl. Welw. i. 246.

Bulawayo, 4500 ft. Eyles, 86 ; Gwelo, Jan. Gardner, 29 ; Umtali. Engler ; Salisbury, April, Flanagan, 3117.

A. Zeyheri, *Harv.* (*Fabricia Zeyheri*, O. Kuntze.)

Fl. Trop. Afr. ii. 170 ; Fl. Cap. ii. 230 ; Cat. Afr. Pl. Welw. i. 246.

Bulawayo, Rogers, 5520 ; 5483.

3821—**Dalbergia dekindtiana**, *Harms.*

Umtali, Engler.

D. lactea, *Vatke.*

Lusitu Riv. 3000 ft. Sep. Swyn. 1468.

D. melanoxydon, *Guill. & Perr.*

Fl. Trop. Afr. ii. 233 ; For. Fl. Port. E. Afr. 41.

Sabi Riv. 1000 ft. Nov. Swyn. 2093.

D. Swynnertonii, *Baker f.*

Journ. Linn Soc. Bot. xl. 60.

Nyahodi Riv. 4000 ft. Sep. Swyn. 1316.

D. spp.

Sabi Riv. Swyn. 1201, cf. *D. arbutifolia*, Baker.

Victoria Falls, Rogers, 5477.

3828—**Pterocarpus erinaceus**, *Poir.* (*P. echinatus*, DC.) (*P. angolensis*, A. DC.)

Fl. Trop. Afr. ii. 239 ; For. Fl. Port. E. Afr. 44 ; Cat. Afr. Pl. Welw. i. 279.

Matopos, Davy ; Galpin, 6950 ; Oct. Gibbs, 207 ; Engler ; Gwanda, Noble, 26 ; North of Bulawayo, Dr. F. E. Weiss ; Bulawayo, Engler ; Salisbury, Engler ; Lomagundi, Govt.

Genus No.

Herb. 984; Chirinda, 3300 ft. Oct. Swyn. 41; Nyahodi Riv. 5000 ft. Swyn. 1439; South Melssetter, Swyn.; South Rhodesia, Rand; Upper Buzi, Swyn.

P. melliferus, *Welw*

Fl. Trop. Afr. ii. 239; Cat. Afr. Pl. Welw. i. 277.

Victoria, Monro, 604, 750.

P. sericeus, *Benth.*

Fl. Cap. ii. 264.

Khami Riv. Feb. Eyles, 1195; Matopos, Hutchins; Gwanda, Noble, 19; Umtali, Govt. Herb. 833; Salisbury, Govt. Herb. 932; Chirinda, 3500 ft. Jan. Swyn. 28; South of Chirinda, Swyn.

P. spp.

Victoria Falls, Allen, 85, cf. *P. Antunesii*?

Victoria, Monro, 581.

Salisbury, Rand, 1392.

3834—**Lonchocarpus capassa**, *Rolfe*. (*L. laxiflorus*, Guill. and Perr.) (*L. Philenoptera*, Benth.) (*L. violaceus*, Oliv.) (*Derris violacea*, Harms.)

Fl. Trop. Afr. ii. 242; Cat. Afr. Pl. Welw. i. 281.

Matabeleland, Oates; Victoria Falls, Allen, 47; Gwanda, Noble, 9; Matopos, Govt. Herb. 887; Lomagundi, Govt. Herb. 991; North of Bulawayo, Engler; Sabi Riv. 1000 ft. young fr. Nov. Swyn. 1451, 1397?

3856—**Abrus precatorius**, *L.*

Fl. Trop. Afr. ii. 175; Fl. Cap. ii. 262; For. Fl. Port. E. Afr. 42; Cat. Afr. Pl. Welw. i. 247.

Sebakwe, 4000 ft. Dec. Eyles, 41; Victoria Falls, Galpin, 6944; fr. Sep. Gibbs, 306; Engler; Rogers; Marandellas, Govt. Herb. 883.

3861—**Dumasia villosa**, *DC.*

Fl. Cap. ii. 234.

Salisbury, April, Flanagan, 3146; Mazoe, 4500 ft. April, Eyles, 353; Chipete Forest, Swyn.

3864—**Glycine javanica**, *L.*

Fl. Trop. Afr. ii. 178; Cat. Afr. Pl. Welw. i. 249.

Victoria Falls, fr. April, Flanagan, 3114; Rogers, 5136; Mazoe, April, Flanagan, 3082; Chirinda, Swyn.

3866—**Te ramnus labialis**, *Spreng.*

Fl. Trop. Afr. ii. 180; Fl. Cap. ii. 235; Cat. Afr. Pl. Welw. i. 249.

Umtali, Rogers, 4032.

Genus No.

3870—**Erythrina humeana**, *Spreng.* (*E. Humei*, E. Mey.)

Fl. Trop. Afr. ii. 182; Fl. Cap. ii. 237; For. Fl. Port. E. Afr. 43;
For. Fl. Cape, 202.

Chirinda, 3500 ft. fr. June, Swyn. 603; also by Swyn. at Chipete,
Chipetzana, Mt. Pene, and between Melsetter and Haroni Riv.

E. tomentosa, *R. Br.* (*E. latissima*, E. Mey.)

Fl. Trop. Afr. ii. 184; Fl. Cap. ii. 238; Nat. Pl. 384, 385; For.
Fl. Port. E. Afr. 43; For. Fl. Cape, 201.

Salisbury, July, Rand, 462; Engler; Matopos, Davy; Nov.
Marloth, 3374; fl. & fr. Oct. Gibbs, 73; Engler; Gwanda,
Noble, 8; Victoria, Monro, 416, 455; Mazoe, 4500 ft. July,
Eyles, 381; Melsetter, fl. & young fr. Sep. Swyn. 154; fl. Oct.
Swyn. 668; Untali, Rogers, 4017.

E. sp.

Victoria, Monro, 415.

3877—**Mucuna coriacea**, *Baker.*

Fl. Trop. Afr. ii. 187.

Mazoe, 4500–4800 ft. April, Eyles, 361; Chirinda, 3500 ft. May,
Swyn. 450; Chipetzana Riv. 3000 ft. April, Swyn. 1487;
Nyahodi Riv. 5000 ft. April, Swyn. 1488.

3879—**Calopogonium lacerans**, *R. Br.*

Matopos, Rogers, 5167.

3882—**Galactia sp.**

Bulawayo, Dec. Gardner, 93, 94.

3891—**Canavalia ensiformis**, *DC.* (*C. incurva*, P. Thouars.)

Fl. Trop. Afr. ii. 190; Cat. Afr. Pl. Welw. i. 254.

Victoria Falls, Allen, 130; Rogers, 5137; Salisbury, Govt. Herb.
760; Chirinda, Swyn.

3897—**Rhynchosia adenodes**, *E. & Z.*

Fl. Cap. ii. 254.

Mazoe, April, Flanagan, 3083.

R. antennulifera, *Baker.*

See note Fl. Trop. Afr. ii. 223.

Salisbury, July, Rand, 453.

R. caribaea, *DC.* (*Dolicholus caribaeus*, Hiern.)

Fl. Trop. Afr. ii. 220; Cat. Afr. Pl. Welw. i. 267.

Mazoe, April, Flanagan, 3103.

R. clivorum, *S. Moore.*

Chimanimani Mts. 7000 ft. Sep. Swyn. 1461; Mt. Pene, 7000 ft.
Swyn. 6184.

R. congensis, *Baker.* (*Dolicholus angolensis*, Hiern.)

Fl. Trop. Afr. ii. 217; Cat. Afr. Pl. Welw. i. 266.

Victoria Falls, April, Flanagan, 3107 (var.).

Genus No.

3897—**R. cyanosperma**, *Benth.*

Fl. Trop. Afr. ii. 218.

Chikore Hills, 3500 ft. Feb. Swyn. 226.

R. flavissima, *Hochst.*

Fl. Trop. Afr. ii. 219.

Chirinda, 3700–4000 ft. Oct. Swyn. 448.

R. Memnonia, *DC.* var. **prostrata**, *Harv.*

Fl. Trop. Afr. ii. 220 ; Fl. Cap. ii. 253 ; Nat. Pl. 349. All of type.

Victoria, Monro, 644.

R. minima, *DC.*

Fl. Trop. Afr. ii. 219 ; Fl. Cap. ii. 254.

Salisbury, Aug. Rand, 454 ; Victoria Falls, April, Flanagan, 3108 ; Rogers, 5540, 5543, 5606 ; Bulawayo, Chubb, 73.

R. monophylla, *Schlechter.*Rusapi, Engler ; Chirinda, 3800 ft. Feb. Swyn. 390, 451, 1162 ;
Melsetter, 6000 ft. Swyn. 6190 ; Mt. Pene, 6500–7000 ft. Sep.
Swyn. 1466.**R. Orthodanum**, *Benth.*

Fl. Cap. ii. 257 ; Nat. Pl. 220.

Untali, Engler ; Chipete, 3800 ft. Oct. Swyn. 1500.

R. puberula, *Harv.*

Fl. Cap. ii. 255.

Bulawayo, Jan. Rand, 46.

R. resinosa, *Hochst.*

Fl. Trop. Afr. ii. 218.

Salisbury, July, Rand, 457 ; Matopos, Sept.–Oct. Gibbs, 68 ;
April, Flanagan, 3100 ; Rogers, 5181 ; Victoria, Monro, 1068.**R. Totta**, *DC.*

Fl. Cap. ii. 255.

Victoria Falls, Rogers, 7213 ; Bulawayo, Rogers, 13686*.

R. viscidula, *Steud.*

Fl. Cap. ii. 251.

Victoria, Monro, 549.

R. spp.

Gwelo, Jan. Gardner, 5.

Bulawayo, Jan. Gardner, 82 ; Oct. Eyles, 1086.

Victoria Falls, April, Flanagan, 3089.

Salisbury, April, Flanagan, 3105, same as Bolus, 10773 ; Salisbury,
Darling, in Herb. Bolus, 10773, 10774, 11186, 11187 ; Rand,
452 ; Rogers, 4051, 4014.

Mazoe, 4300 ft. Aug. Eyles, 182 ; 4800 ft. June, Eyles, 375.

South Rhodesia, Rand, 608.

Genus No.

3898—**Eriosema Burkei**, *Benth.*

Fl. Cap. ii. 260.

Salisbury, Rogers, 4014; Selukwe, Rogers, 4092.

E. cajanoides, *Hook. f.* (*E. psoraleoides*, G. Don.)

Fl. Trop. Afr. ii. 227; Fl. Cap. ii. 261; Cat. Afr. Pl. Welw. i. 272.

Bulawayo, Jan. Rand, 49; fr. July, 447; Dec. Eyles, 28; Victoria Falls, Allen, 134; Umtali, Engler; Odzani River Valley, Teague, 7; Victoria, Monro, 926; Crocodile Riv. Holub; Chirinda, Swyn.; Chikore Hills, Swyn.; Salisbury, Rogers, 4066.

E. ellipticum, *Welw.*

Fl. Trop. Afr. ii. 227; Cat. Afr. Pl. Welw. i. 274.

Melsetter, 6000 ft. Sep. Swyn. 624.

E. Engleri, *Harms.*

North of Hartley, Engler, 3012; Salisbury, Engler, Sep. 3023;

Macheke, Rogers, 4044, 4061; Bulawayo, Rogers, 10773*.

E. montanum, *Baker f.*

Chirinda, 3800 ft. Sep. Swyn. 361, not typical form.

E. oblongum, *Benth.*

Fl. Cap. ii. 259.

Salisbury, fl. & fr. Sep. Rand, 590; Rogers, 4004; North of Bulawayo, 3400 ft. Dec. Eyles, 1131; Gwelo, Sr. Phil. 22.

E. parviflorum, *E. Mey.*

Fl. Cap. ii. 260; Fl. Trop. Afr. ii. 225.

Bulawayo, Rogers, 13674*.

E. polystachyum, *Baker.*

Fl. Trop. Afr. ii. 225.

Bulawayo, Jan. Rand, 48.

E. shirensense, *Baker f.*

Lusitu Hills, 5000 ft. April, Swyn. 1497.

E. spp.

Bulawayo, 4500 ft. Sep. Eyles, 104, cf. *E. parviflora*, E. Mey.

Salisbury, Aug. Rand, 458, cf. *E. Engleri*, Harms, and *E. insigne*, O. Hoffm.

Victoria, Monro, 533, 553.

Mazoe, 4300–4800 ft. Nov. Eyles, 530.

Gwelo, Sr. Phil. 38.

3899—**Flemingia rhodocarpa**, *Baker.*

Fl. Trop. Afr. ii. 231.

Mazoe, 4600–4800 ft. July, Eyles, 382; Chirinda, 3700–4000 ft. July, Swyn. 1048.

Genus No.

3901—**Phaseolus lunatus**, *L.*

Fl. Trop. Afr. ii. 192 ; Cat. Afr. Pl. Welw. i. 255.

Umtali, Rogers, 4055 ; South Rhodesia, Rhod. Agric. Journ.
April, 1906, 362. Native crop of cultivation.**P. sp.**

Bulawayo, Dec. Gardner, 88.

3905—**Vigna Buchneri**, *Harms.*

North of Hartley, Engler.

V. Burchelli, *Harr.*

Fl. Trop. Afr. ii. 196 ; Fl. Cap. ii. 239.

Bulawayo, Rogers, 5497.

V. cærulea, *Baker.*

Fl. Trop. Afr. ii. 203.

Gwai Riv. 3200 ft. Allen, 247.

V. luteola, *Benth.* (*V. glabra*, *Savi.*)

Fl. Trop. Afr. ii. 205 ; Fl. Cap. ii. 241 ; Cat. Afr. Pl. Welw. i. 260.

Victoria Falls, April, Flanagan, 3086 ; Salisbury, Rogers, 5522 ? ;

Chimanimani Mts. 7000 ft. Sep. Swyn. 1467 ; Mt. Pene, 7000 ft.

Oct. Swyn. 6192.

var. **villosa**, *Baker.*

Fl. Trop. Afr. ii. 206 ; Cat. Afr. Pl. Welw. i. 260.

Victoria Falls, Sep. Gibbs, 142 ; Rogers, 7453, 5968.

V. nilotica, *Hook. fil.*

Fl. Trop. Afr. ii. 204.

Victoria Falls, Rogers, 7110*.

V. nuda, *N. E. Br.*

Kew Bull. 1901, 121.

Mashonaland, Bryce ; Salisbury, Darling in Herb. Bolus, 10772 ;

Bulawayo, Rogers.

V. triloba, *Walp.*Fl. Trop. Afr. ii. 204 ; Fl. Cap. ii. 241 ; Cat. Afr. Pl. Welw.
i. 259.Matopos, Sep. Gibbs, 206, forma ; Victoria Falls, April, Flanagan,
3126 ; Rogers, 7111.**V. vexillata**, *Benth.* (*V. hirta*, *Hook.*) (*V. capensis*, *Walp.*)

Fl. Trop. Afr. ii. 199 ; Fl. Cap. ii. 240 ; Cat. Afr. Pl. Welw. i. 257.

Salisbury, Sep. Rand, 589 ; Umtali, Engler ; Victoria, Monro,
1013 ; Chirinda, 3800 ft. April, Swyn. 363 ; Umvumvumu
Riv. 4000 ft. Oct. Swyn. 6191.**V. spp.**

Victoria Falls, Allen, 160 ; May, Eyles, 139.

Gwai Forest, Jan. Allen, 245.

Matopos, 4500–5000 ft. Nov. Eyles, 1145.

Genus No.

- 3907—**Sphenostylis marginata**, *E. Mey.* (*Vigna marginata*, Benth.)
 Fl. Trop. Afr. ii. 202; Fl. Cap. ii. 240.
 Salisbury, Rand, 461; Engler; Rogers, 4059?; Victoria Falls,
 Allen, 176; Victoria, Monro, 766; Chirinda, 3800 ft. April,
 Swyn. 364; South Melssetter, 3500 ft. Oct. Swyn. 6624.
- 3910—**Dolichos euryphyllus**, *Harms*, forma **lobata**.
 Sebakwe, 4000 ft. Dec. Eyles, 165.
- D. falciformis**, *E. Mey.*
 Fl. Cap. ii. 246.
 Victoria Falls, Galpin, 7336.
- D. gibbosus**, *Thunb.*
 Fl. Cap. ii. 244.
 Bulawayo, Eyles.
- D. Hendrickxii**, *Wildem.*
 Without locality, Rogers*.
- D. Lablab**, *L.*
 Fl. Trop. Afr. ii. 210; Fl. Cap. ii. 243.
 Matopos, Rogers, 5163; Mazoe, 4500 ft. Feb. Eyles, 526?
- D. lupiniflorus**, *N. E. Br.*
 Kew Bull. 1906, 102.
 Chirinda, 3500 ft., Nov. Swyn. 1045.
- D. stipulosus**, *Welw.* var. **Randii**, *Baker f.*
 Journ. Bot. 1899, 432; Fl. Trop. Afr. ii. 212 (type).
 Salisbury, Dec. Rand, 80.
- D. tricostatus**, *Baker f.*
 Journ. Bot. 1899, 431.
 Bulawayo, Jan. Rand, 82.
- D. spp.**
 Bulawayo, Monro, 62.
 Mazoe, 4800 ft. Dec. Eyles, 494.
 South Rhodesia, Rand, 311.
- 3911—**Adenodolichos**?
 Victoria, Monro, 673, 999.

SERIES GERANIALES.

FAMILY CXXIX.—GERANIACEAE, *J. St. Hil.*

- 3924—**Geranium cafferum**, *E. & Z.*
 Fl. Cap. i. 258.‡
 Melssetter, 6000 ft. fl. & fr. Sep. Swyn. 790.
- G. Thodei**, *R. Kunth.*
 Matopos, Galpin, 6591.

Genus No

3925—**Monsonia biflora**, DC.

Fl. Trop. Afr. i. 290 ; Fl. Cap. i. 255 ; Nat. Pl. 96 ; Cat. Afr. Pl. Welw. i. 108.

Bulawayo, Dec. Rand, 19 ; Jan. Eyles, 70.

M. burkeana, Planch.

Fl. Cap. i. 255.

Salisbury, Aug. Rand, 441 ; Matopos, Oct. Gibbs, 222 ; Macheke, Rogers, 4049 ; Victoria, Monro, 852 ?

M. ovata, Cav.

Fl. Cap. i. 255 ; Nat. Pl. 97 (var.).

Bulawayo, 4500 ft. Jan. Eyles ; Rogers, 5929 ; Matabeleland, Marloth.

M. spp.

Bulawayo, Feb. Eyles, 1174, 1193 ; Monro, 14.

South Rhodesia, Rand, 95.

3928—**Pelargonium aconitophyllum**, E. & Z. (forma).

Fl. Cap. i. 276.

Mt. Pene, 7000 ft. Oct. Swyn. 6099.

P. sp.

Bulawayo, Jan. Gardner, 64.

FAMILY CXXX.—OXALIDACEAE, Lindl.

3936—**Oxalis corniculata**, L. var. **stricta**, Oliv.

Fl. Trop. Afr. i. 297 ; Cat. Afr. Pl. Welw. i. 109 ; Fl. Cap. i. 351 (type).

Bulawayo, May, Rand, 296.

O. semiloba, Sond.

Fl. Trop. Afr. i. 296 ; Fl. Cap. i. 350 ; Cat. Afr. Pl. Welw. i. 109.

Salisbury, Rogers, 5773 ; Melssetter, Swyn.

O. spp.

Bulawayo, 4500 ft. Dec. Eyles, 73, cf. *O. caprina*, L.

Mazoe, 5000 ft. Dec. Eyles, 210 ; April, Eyles, 344.

Sclukwe, Jan. Gardner, 50.

FAMILY CXXXII.—LINACEAE, Dumort.

3945—**Linum Thunbergii**, E. & Z.

Fl. Cap. i. 310.

Matopos, Nov. Eyles, 1098 ; Matabeleland, Marloth.

FAMILY CXXXIV.—ERYTHROXYLACEAE, *Lindl.*

Genus No.

- 3956—**Erythroxylon monogynum**, *Roxb.* (*E. pictum*, *E. Mey.*) (*E. caffrum*, *Sond.*) (*E. emarginatum*, *Schum. & Thonn.*)

Sim places these all under *E. monogynum*, *Roxb.*, see *For. Fl. Cap.* 149, and *For. Fl. Port. E. Afr.* 21.

Fl. Trop. Afr. i. 274 ; *Fl. Cap.* i. 233, 234, and ii. 591.

Victoria Falls, *Rogers*, 5375, 5539, 5560.

var. **caffrum**, *O. E. Schultz.*

Chipete Forest, 3800 ft. *Dec. Swyn.* 133 ; *Oct. Swyn.* 692 ;

Chimanimani Mts. 7000 ft. *bud Sep. Swyn.* 1364, 1465.

FAMILY CXXXV.—ZYGOPHYLLACEAE, *Lindl.*

- 3965—**Zygophyllum simplex**, *L.*

Fl. Trop. Afr. i. 285 ; *Fl. Cap.* i. 357 ; *Cat. Afr. Pl. Welw.* i. 106.

Crocodile Riv. *Oates.*

Z. sp.

Victoria, *Monro*, 826.

- 3978—**Tribulus terrestris**, *L.*

Fl. Trop. Afr. i. 283 ; *Fl. Cap.* i. 352 ; *Cat. Afr. Pl. Welw.* i. 105.

Bulawayo, 4500 ft. *Dec. (Collector?)* 7 ; *Khami Riv. March, Eyles*, 11 ; *Bulawayo, Rogers*, 5736 ; *Victoria Falls, Rogers*, 5395.

FAMILY CXXXVII.—RUTACEAE, *Juss.*

- 3990—**Xanthoxylum capense**, *Harv.*

Fl. Cap. i. 446.

Victoria, *Monro*, 791.

- 4014—**Thamnosma africanum**, *Engl.*

Matopos, Engler ; *Rogers*, 5176.

var. **rhodesicum**, *Bak. f.*

Journ. Bot. 1899, 426.

Bulawayo, fl. & young fr. *Jan. Rand*, 83 ; fr. *May, Rand?* 297 ;

Matopos, Sep.-Oct. Gibbs, 310 ; *Rogers*, 5255.

- 4076—**Vepris paniculata**, *Lam.*

Victoria, *Monro*, 739 ?

- 4077—**Toddalia aculeata**, *Pers.*

Chipete Forest, fl. & fr. *Nov. Swyn.* 213 ; *Chirinda Forest, Swyn.*

T. lanceolata, *Lam.* (*Vepris lanceolata*, *A. Juss.*)

Fl. Trop. Afr. i. 307 ; *Fl. Cap.* i. 447 ; *For. Fl. Port. E. Afr.* 24 ;

For. Fl. Cape, 156.

Matopos, Rogers, 5409.

Genus No.

4085—**Teclea natalensis**, *Engl.* (*Toddalia natalensis*, *Sond.*)

Fl. Cap. i. 447.

Chimanimani Mts. 7000 ft. bud Sep. Swyn. 1322.

T. Swynnertonii, *Baker f.*

Journ. Linn. Soc. Bot. xl. 35.

Chirinda Forest, Swyn. 12.

4100—**Citrus aurantium**, *L.*

Cat. Afr. Pl. Welw. i. 118.

Chirinda Forest, 3700–4000 ft. Swyn. 672; Lusitu Riv. Swyn.

C. medica, *L.* var. **limonium**, *Risso.*

South Rhodesia, Rhod. Agric. Journ. Sep. 1904, 8; Mazoe, Eyles.

FAMILY CXXXVIII.—SIMARUBACEAE, *Link.*

4128—**Kirkia acuminata**, *Oliv.*

Fl. Trop. Afr. i. 311; For. Fl. Port. E. Afr. 24.

Victoria Falls, Allen, 51, 96; Umtali, Engler; Gwanda, Noble, 12; Victoria, Monro, 637; Mazoe, Govt. Herb. 922; Abercorn, Govt. Herb. 935.

FAMILY CXXXIX.—BURSERACEAE, *Kunth.*

4151—**Commiphora acutidens**, *Engl.*

Bulawayo, Engler.

C. edulis?

Victoria Falls, Rogers, 5788.

C. Fischeri, *Engl.*

Sabi Riv. 1000 ft. Nov. Swyn. 1208, 1450.

C. spp.

Matopos, Oct. Gibbs, 197; Rogers, 5341.

Gwanda, Noble, 51.

Victoria, Monro, 355; 637 cf. *C. natalense*, *Sparm.*

Bulawayo, Oct.–Dec. Chubb, 319.

Shashi, Baines.

FAMILY CXL.—MELIACEAE, *Vent.*

4159—**Khaya nyasica**, *Stapf.*

Journ. Linn. Soc. Bot. xl. 42.

Chirinda Forest, Swyn. 15; between Chirinda and Chikore, Swyn.

4171—**Turræa Eylesii**, *Baker f.*

Journ. Bot. 1905, 45.

Matopos, 5000 ft. Jan. Eyles, 29; Davy.

Genus No.

T. nilotica, *Kotschy. & Peyr.* (Vide *T. Randii*, Bak. f. below.)

Fl. Trop. Afr. i. 331; For. Fl. Port. E. Afr. 25.

Victoria Falls, Dr. Meller; Allen, 400; Matopos, Engler;
Salisbury, Engler.

T. obtusifolia, *Hochst.*

Fl. Trop. Afr. i. 331; Fl. Cap. i. 245; For. Fl. Cape, 159.

Matopos, Cecil, 105; Victoria, Monro, 731, 1070, 1100a.

var. **matopensis**, *Baker f.*

Journ. Bot. 1905, 45.

Matopos, 5000 ft. Jan. Eyles, 154.

T. Randii, *Baker f.* (Engler says same as *T. nilotica*, K. & P.)

Journ. Bot. 1899, 427.

Salisbury, July, Rand, 562; Matopos, Sep. Galpin, 7086; fl. & fr.

Oct. Gibbs, 2; Victoria, Monro, 360, 507; Bulawayo, Oct.—

Dec. Chubb, 320 p.p.; Victoria Falls, Rogers, 7228; Sebakwe,
Rogers.

T. spp.

Victoria Falls, Allen, 16; Rogers, 5135.

Victoria, Monro, 731a.

Mazoe, 4800 ft. July, Eyles, 385.

4175—**Melia azedarach**, *L.*

Fl. Trop. Afr. i. 332; Fl. Cap. i. 245.

Salisbury, Govt. Herb. 920, cultivated.

4193—**Ekebergia arborea**, *Baker f.*

Journ. Bot. 1899, 427.

Salisbury, Sep. Rand, 612; Victoria, Monro, 479; Chirinda,

3700–4000 ft. fl. & fr. Oct. Swyn. 25; Chikore, Swyn.

E. Meyeri, *Presl.*

Fl. Cap. i. 247; Nat. Pl. 6.

Chirinda Forest, 3700–4000 ft. Oct. Swyn. 18; Chirinda, 3000 ft.
Swyn.

E. sp.

Victoria, Monro, 587.

4195—**Trichilia chirindensis**, *Swyn. & Baker f.*

Journ. Linn. Soc. Bot. xl. 39.

Chirinda Forest, 3700–4000 ft. Swyn.

T. emetica, *Vahl.*

Fl. Trop. Afr. i. 335; Nat. Pl. 80; For. Fl. Port. E. Afr. 26;

For. Fl. Cape, 160; Cat. Afr. Pl. Welw. i. 134.

Victoria Falls, Sep. Galpin, 7019; Sep. Gibbs, 110; Allen, 61;

Rogers, 5119; Inyoka, Govt. Herb. 941.

Genus No.

4198—**Lovoa Swynnertonii**, *Baker f.*

Journ. Linn. Soc. Bot. xl. 41.

Chirinda Forest, 3700–4000 ft. Jan. Swyn. 16.

FAMILY CXLI.—MALPIGHIACEAE, *Vent.*4219—**Sphegamnocarpus Galphimiæfolius**, *Szyszl.* (*Acridocarpus Galphimiæfolius*, *Juss.*)

Fl. Cap. i. 232.

Matopos, Oct. Gibbs, 281.

S. pruriens, *Planch.* (*Acridocarpus pruriens*, *Juss.*)

Fl. Cap. i. 232; Nat. Pl. 400.

Matabeleland, Oates; Bulawayo, May, Rand, 431; Eyles, 96; Monro, 46; Matopos, Galpin, 6951; Engler; March, Flanagan, 2975; Rogers, 5051; between Plumtree and Bulawayo, April, Flanagan, 3181; Victoria, Monro, 780, 781; Gwelo, Sr. Phil. 20; Selukwe, Rogers, 4097; Chirinda, 3800 ft. fl. & fr. May, Swyn. 211 (forma); Chipete, 3800 ft. April, Swyn. 211a (forma).

S. pulcherimus, *Gilg.*

Matopos, 5000 ft. March, Eyles, 108.

S. sp.

Victoria, Monro, 875.

4237—**Tricomaria macrocarpa** ?.

South Rhodesia, Rand, 639.

FAMILY CXLV.—POLYGALACEAE, *Lindl.*4273—**Polygala abyssinica**, *Fresn.* (*P. hottentotta*, *Presl.*)

Fl. Trop. Afr. i. 130; Fl. Cap. i. 86.

Bulawayo, Dec. Rand, 14; Salisbury, Sep. Rand, 599; Matopos, Oct. Gibbs, 194; Victoria, Monro, 835, 861; Mt. Pene, 7000 ft. Dec. Swyn. 6154; Melsetter, 6000 ft. Oct. Swyn. 6157.

P. africana, *Chod.* (*P. micrantha*, *Guill. & Perr.*)

Fl. Trop. Afr. i. 131; Cat. Afr. Pl. Welw. i. 42.

Matopos, March, Eyles, 1030.

P. amatymbica, *E. & Z.*

Fl. Cap. i. 93.

Bulawayo, Rogers, 13547*, 13731*.

Genus No.

4273—**P. arenaria**, Willd.

Fl. Trop. Afr. i. 128; Cat. Afr. Pl. Welw. i. 43.

Matopos, March, Flanagan, 2968; Bulawayo, Monro, 90; Gwelo, Sr. Phil. 19; Chirinda, 3800 ft. May, Swyn. 282; Victoria Falls, Rogers; Odzani River Valley, Umtali, Teague, 182.

P. capillaris, E. Mey.

Fl. Trop. Afr. i. 131; Fl. Cap. i. 93; Nat. Pl. 83.

Matopos, March, Flanagan, 2972.

P. erioptera, DC. (*P. retusa*, Hochst.) (*P. triflora*, L.)

Fl. Trop. Afr. i. 128; Cat. Afr. Pl. Welw. i. 46.

Bulawayo, May, Rand, 290; Chubb, 12a.

P. gazensis, Baker f.

Journ. Linn. Soc. Bot. xl. 24.

Chimanimani Mts. 7000 ft. Sep. Swyn. 632.

P. latipetala, N. E. Br.

Kew Bull. 1906, 98.

Between Umtali and Salisbury, Cecil, 45.

P. livingstoniana, Chod.

Cat. Afr. Pl. Welw. i. 44.

Salisbury, Rand, 463b.

P. persicariæfolia, DC.

Fl. Trop. Afr. i. 129; Cat. Afr. Pl. Welw. i. 43.

Bulawayo, 4500 ft. Dec. Eyles, 45; Mazoe, 4300 ft. April, Eyles, 302; Victoria Falls, April, Flanagan, 3169; Rogers, 5667.

P. petitiana, Rich.

Fl. Trop. Afr. i. 133.

Salisbury, May, Flanagan, 3256.

P. rarifolia, DC. (*P. tenuifolia*, Link.)

Fl. Trop. Afr. i. 132; Cat. Afr. Pl. Welw. i. 47

Mazoe, 4300 ft. Dec. Eyles, 484.

P. rigens, A. DC

Matopos, Oct. Gibbs, 82; Feb. Eyles, 1113; Victoria, Monro, 953.

P. virgata, Thunb.

Fl. Cap. i. 85.

Crocodile Riv. Oates; Salisbury, July, Rand, 437; Mazoe, 4200 ft. Dec. Eyles, 198; Chirinda, Dec. Swyn. 284; Melsetter, 6000 ft. Oct. Swyn, 6158; Chimanimani Mts. 7000 ft. Sep. Swyn. 2042.

var. **decora**, Harv.

Fl. Cap. i. 85.

Salisbury, April, Flanagan, 3262; Odzani River Valley, Umtali, Teague, 95.

Genus No.

P. spp.

Victoria Falls, Allen, 101; Rogers, 5698.

Victoria, Monro, 534; 1030 cf. *P. filicaulis*, Baill.

South Rhodesia, Rand, 15.

4275—**Securidaca longipedunculata**, *Fres.*

Fl. Trop. Afr. i. 134; Cat. Afr. Pl. Welw. i. 47; For. Fl. Port. E. Afr. 14.

Victoria Falls, Allen, 423; Salisbury, Rand, 1365; Lomagundi, Govt. Herb. 982; Matopos, Flanagan, 3009; Victoria, Monro, 328.

var. **parvifolia**, *Oliv.* (Perhaps same as *S. spinosa*, Sim.)

Fl. Trop. Afr. i. 134; For. Fl. Port. E. Afr. 14.

Matopos, fl. & fr. Oct. Gibbs, 244; Umtali, Engler; Chikore Hills, 3500 ft. Swyn, 2038; Umvumvumu Riv. Swyn. 6155; South Umtali, 2000–3000 ft. Swyn. 6613; South Melsetter, Swyn.

S. spp.

Victoria, Monro, 520, 567, 570.

Mazoe, Govt. Herb. 2085.

FAMILY CXLVI.—DICHAPETALACEAE, *Engl.*4283—**Dichapetalum cymosum** (*Hook.*), *Torre & Harms.* (*Chailletia cymosa*, *Hook.*)

Fl. Cap. i. 450; Harv. Gen. S.A. Pl. 49.

Crocodile Riv.?, Oates; Bulawayo, Govt. Herb. 938.

D. rhodesicum, *Sprague & Hutch.*

Kew Bull. 1908, 433.

Gwai Forest, Allen, 234.

FAMILY CXLVII.—EUPHORBIACEAE, *J. St. Hil.*4295—**Pseudolachnostylis Dekindtii**, *Pax.*

Fl. Trop. Afr. VI. i. 673.

Victoria Falls, Rogers, 5304; Allen, 164, 166; Wankie, Rogers, 5991; Bulawayo, Chubb, 80.

P. maprouneæfolia, *Pax.*

Fl. Trop. Afr. VI. i. 672.

Victoria, Monro, 724; Matopos, Rogers, 5334; Gibbs, 276 ♂; Umvumvumu Riv. 4000 ft. fr. April, Swyn. 2128.

P. spp.

Matopos, Govt. Herb. 896.

Matabeleland, Monro, 207, 436.

Genus No.

4297—**Securinega verrucosa** (*Th.*), *Benth.*

Victoria Falls, Rogers, 5562.

4298—**Flüggea microcarpa**, *Blume.*

Fl. Trop. Afr. VI. i. 736 ; Cat. Afr. Pl. Welw. i. 961.

Sabi Riv. 1000 ft. Swyn. 1911 ; Umswirizwi Riv. 1000 ft. Nov.

Swyn. 1727 ; Bulawayo, Rogers, 5491.

4299—**Phyllanthus floribundus**, *Müll. Arg.*

Fl. Trop. Afr. VI. i. 701 ; Cat. Afr. Pl. Welw. i. 957.

South of Zambesi, Engler ; Victoria, Monro, 916 ; Wankie

Rogers, 5991*.

P. graminicola, *Hutch.*

Fl. Trop. Afr. VI. i. 708 ; Journ. Linn. Soc. Bot. xl. 191.

Chirinda, 3800 ft. Feb. Swyn. 261.

P. hutchinsonianus, *S. Moore.*

Journ. Linn. Soc. Bot. xl. 192.

Chimanimani Mts. 7000 ft. fl. & fr. Sep. Swyn. 1524.

P. maderaspatensis, *L.* (*P. longifolius*, *Sond.*)

Fl. Trop. Afr. VI. i. 722 ; Cat. Afr. Pl. Welw. i. 959.

Mazoe, 4200 ft. Jan. Eyles, 245 ; Chirinda, Feb. Swyn. 333 ;

Bulawayo, 4500 ft. Dec. Eyles, 6 ; Rogers, 5765 ; Victoria Falls, Rogers, 5563.

P. myrtaceus, *Sond.*

Fl. Trop. Afr. VI. i. 726 ; For. Fl. Cape, 325.

Mt. Pene, 6500–7000 ft. Sep. Swyn. 1522, 1523 ; Chimanimani

Mts. 7000 ft. fr. Oct. Swyn. 6155a.

P. Niruri, *L.*

Fl. Trop. Afr. VI. i. 731 ; Cat. Afr. Pl. Welw. i. 960.

Matopos, Oct. Gibbs, 314.

P. nummulariæfolius, *Poir.*

Fl. Trop. Afr. VI. i. 710.

Victoria, Monro, 712, 757 ; Mazoe, 4800–5000 ft. March, Eyles, 292.

P. pentandrus, *Schum. & Thonn.*

Fl. Trop. Afr. VI. i. 710 ; Cat. Afr. Pl. Welw. i. 957.

Victoria Falls, Rogers, 5564, 5703.

P. reticulatus, *Poir.*

Fl. Trop. Afr. VI. i. 700 ; Cat. Afr. Pl. Welw. i. 958.

Victoria Falls, fl. & fr. Sep. Gibbs, 129 ; Rogers, 5473 ; Sep.

Galpin, 7016 ; Matopos, Rattray in Herb. Galpin, 6969.

P. spp.

Igusi, April, Flanagan, 3190 ; Matopos, Davy ; Victoria, Monro,

347, 457, 804 ; Victoria Falls, Rogers, 5148 ; South Rhodesia,

Rand, 210, 211, 212.

Genus No.

4325—**Hymenocardia acida**, *Tul.*

Fl. Trop. Afr. VI. i. 651; Cat. Afr. Pl. Welw. i. 966.

Chikore Hills, fl. Nov. fr. March, Swyn. 1214, 1519.

4327—**Antidesma membranaceum**, *Müll. Arg.*

Fl. Trop. Afr. VI. i. 645; Cat. Afr. Pl. Welw. i. 965.

Chirinda, 5300 ft.; Chipetzana, 3000 ft.; Mt. Pene, 6500 ft.; fl.

Sep.—Dec. fr. April, Swyn. 169, 169*a*, 631, 1111, 2011.**A. venosum**, *Tul.*

Fl. Trop. Afr. VI. i. 646; Cat. Afr. Pl. Welw. i. 965.

South of Zambesi, Engler; Victoria, Monro, 762, 1059; Victoria Falls, Rogers, 5373.

4329—**Uapaca kirkiana**, *Müll. Arg.*

Fl. Trop. Afr. VI. i. 636.

Salisbury, Engler; Marandellas, Engler; Umtali, Engler;

Melsetter, 4000 ft. Johnson, 128; Chirinda, 3500 ft. Jan. Swyn.

49; also by Swynnerton South of Umtali, Chimanimani Mts. and throughout Melsetter Dist.

U. sansibarica, *Pax.*

Fl. Trop. Afr. VI. i. 636.

Melsetter and Chirinda, Jan.—April, Swyn. 155, 6513.

4345—**Bridelia atroviridis**, *Müll. Arg.*

Fl. Trop. Afr. VI. i. 617; Cat. Afr. Pl. Welw. i. 953.

Chipete Forest, 3800 ft. fr. April, Swyn. 535.

B. cathartica, *Bertol. f.*

Fl. Trop. Afr. VI. i. 617; For. Fl. Port. E. Afr. 106.

Victoria Falls, Rogers, 5071, 7181; Galpin, 7015.

B. micrantha, *Baill.*

Fl. Trop. Afr. VI. i. 620.

Chirinda, 3500 ft. Nov. Swyn. 536; also throughout South Melsetter, Swyn.

B. mollis, *Hutch.* (*B. stipularis*, Müll. Arg.)

Fl. Trop. Afr. VI. i. 613; For. Fl. Port. E. Afr. 106; Kew Bull. 1912, 101.

Victoria, Monro, 684, 790, 643*a*; Bulawayo, Rogers, 5499.**B. Niedenzui**, *Gehrm.*

Fl. Trop. Afr. VI. i. 616.

Mazoe, 4300–4500 ft. March, Eyles, 273; Umvumvumu Riv. 2000 ft. fl. & fr. April, Swyn. 1736.

B. scandens, *Willd.* (*B. stipularis*, Blume.)

Cat. Afr. Pl. Welw. i. 955; For. Fl. Port. E. Afr. 106.

Bulawayo, Rogers, 5499.

B. sp.

Victoria Falls, April, Flanagan, 3154.

Genus No.

4348—**Croton barotsensis**, *Gibbs*.

Fl. Trop. Afr. VI. i. 767 ; Journ. Linn. Soc. Bot. xxxvii. 469.

Victoria Falls, Sep. Gibbs, 109 ; Allen, 175, 416 ; Rogers, 5474 ;
Galpin, 7049.

C. gratissimus, *Burch*.

Fl. Trop. Afr. VI. i. 1051 ; For. Fl. Cape, 311.

Victoria Falls, Sep.–Oct. Galpin, 6989 ; Matopos, Oct. Gibbs,
209 ; Rogers, 5410 ; South of Zambesi, Engler ; Victoria,
Monro, 322, 306, 810.

C. Gubouga, *S. Moore*.

Fl. Trop. Afr. VI. i. 766.

Sabi Riv. 1000 ft. Nov. Swyn. 1123.

C. rivularis, *Müll. Arg.*

For. Fl. Cape, 311.

South of Zambesi, Engler.

C. sylvaticus, *Hochst.*

Fl. Trop. Afr. VI. i. 771 ; For. Fl. Cape, 310.

Chirinda Forest, 3700–4000 ft. Nov. Swyn. 4.

C. Zambesicus, *Müll. Arg.* (*C. Welwitschianus*, Müll. Arg.)

Fl. Trop. Afr. VI. i. 758 ; Cat. Afr. Pl. Welw. i. 970.

Victoria Falls, Rogers, 5146 ; Allen, 418 p.p. ; South of Zambesi,
Engler ; Matopos, Rogers, 5252*.

4354—**Tannodia Swynnertonii**, *Prain*. (*Croton Swynnertonii*, S. Moore.)

Fl. Trop. Afr. VI. i. 827 ; Journ. Linn. Soc. Bot. xl. 194 ; see
Journ. Bot. 1912, 127.

Chirinda Forest, 3700–4000 ft. Sep.–Dec. Swyn. 109, 6519.

4386—**Argomuelleria macrophylla**, *Pax*.

Fl. Trop. Afr. VI. i. 925.

Chirinda Forest, 3700–4000 ft. May, Oct., Nov. Swyn. 114.

4395—**Neoboutonia Melleri**, *Prain*. (*Mallotus Melleri*, Müll. Arg.)

Fl. Trop. Afr. VI. i. 922.

North of Lusitu Riv. Swyn. ; Chirinda, Swyn.

4400—**Macaranga mellifera**, *Prain*.

Fl. Trop. Afr. VI. i. 943 ; Journ. Linn. Soc. Bot. xl. 201.

Chirinda, 3700–4000 ft. Oct. Swyn. 5 and 2120 ; Mt. Pene,
7000 ft. Oct. Swyn. 6039.

4407—**Acalypha Allenii**, *Hutch*.

Fl. Trop. Afr. VI. i. 889 ; Kew Bull. 1911, 229.

Gwai Forest, Allen, 238 ; North of Bulawayo, 3400 ft. Dec.
Eyles, 1130 ; Salisbury, Rand, 1385, 1386 ; Bulawayo, Chubb,
106.

Genus No.

4407 — **A. caperonioides**, Baill.

Fl. Trop. Afr. VI. i. 884, as *A. peduncularis*, Meisn. p.p. see Kew Bull. 1913, 23.

Inyanga, 6000–7000 ft. Cecil, 179, 182; between Umtali and Inyanga, Cecil, 167; Salisbury, Cecil, 68; Engler, 3052; Rogers, 4003; Gwelo, Jan. Gardner, 33; Matopos, 5000 ft. Nov. Eyles, 1153; Gibbs, 227?; Melsetter, 6000 ft. Oct. Swyn. 2015?; Melsetter, 5000–6000 ft. Oct. Swyn. 2015?; North Melsetter, 5000–6000 ft. Dec. Swyn. 6040?, 6227?

A. chirindica, *S. Moore*.

Fl. Trop. Afr. VI. i. 885; Journ. Linn. Soc. Bot. xl. 199.
Chirinda, 3800 ft. Dec. Swyn. 380, 381.

A. ciliata, *Forsk.*

Fl. Trop. Afr. VI. i. 901.
Salisbury, Rand, 1388; Chirinda, 3700–4000 ft. June, Swyn. 734;
Victoria, Monro, 946.

A. indica, *L.*

Fl. Trop. Afr. VI. i. 903; Cat. Afr. Pl. Welw. i. 978.
Victoria Falls, Rogers, 5386; North Melsetter, 2000–6000 ft. Dec. Swyn. 2014.

A. ornata, *Hochst.*

Fl. Trop. Afr. VI. i. 890; Cat. Afr. Pl. Welw. i. 976.
Victoria Falls, Rogers, 5417, 5550.

A. paniculata, *Miq.*

Fl. Trop. Afr. VI. i. 886; Cat. Afr. Pl. Welw. i. 976.
Melsetter, Johnson, 172.

A. petiolaris, *Hochst.*

Victoria Falls, April, Flanagan, 3192; Odzani River Valley, Umtali, Teague, 77.

A. punctata, *Meisn.*

Fl. Trop. Afr. VI. i. 884, as *A. peduncularis*, Meisn. p.p. see Kew Bull. 1913, 23.
Upper Buzi, 3000 ft. Swyn. 383; Sep. Swyn. 739?

A. segetalis, *Müll. Arg.*

Fl. Trop. Afr. VI. i. 904; Cat. Afr. Pl. Welw. i. 979.
Victoria Falls, Rogers, 5386a.

A. senensis, *Klotzsch.* (*A. zambesica*, Müll. Arg.)

Fl. Trop. Afr. VI. i. 888.
Matopos, Oct. Gibbs, 225; Victoria Falls, Allen, 197; Bulawayo, Jan. Gardner, 56; Chubb, 353; Chirinda, Swyn. 382.

Genus No.

A. villicaulis, *Hochst.*

Fl. Trop. Afr. VI. i. 893.

Salisbury, Engler; Rand, 1384; Bulawayo, Oct.–Dec. Chubb, 369; Chirinda, 3500–4000 ft. April, Swyn. 382, 383; Upper Buzi, 3000 ft. Dec. Swyn. 1153.

A. spp.

North of Bulawayo, 3400 ft. Dec. Eyles, 1120.

South Rhodesia, Rand, 204, 205.

4416—**Tragia dioica**, *Sond.*

Fl. Trop. Afr. VI. i. 993.

Bulawayo, Kolbe, in Herb. Bolus, 4109.

T. Gardneri, *Prain.*

Fl. Trop. Afr. VI. i. 994; Kew Bull. 1909, 52.

Gwelo, Jan. Gardner, 34.

T. kirkiana, *Müll. Arg.*

Fl. Trop. Afr. VI. i. 998.

Bulawayo, Rogers, 5915; Victoria Falls, Rogers, 5594.¹

T. natalensis, *Sond.* (*T. ambigua*, S. Moore, and var. *urticans*, S. Moore.)

Fl. Trop. Afr. VI. i. 974; Journ. Linn. Soc. Bot. xl. 202.

Chirinda Forest, 3700–4000 ft. June, Swyn. 795; May, Swyn. 446.

T. Okanyua, *Pax.* (*T. angustifolia*, Pax.)

Fl. Trop. Afr. VI. i. 986.

Bulawayo, Jan. Gardner, 55; Chubb, 66; Victoria Falls, Rogers, 5594*.

T. rhodesiae, *Pax.*

Fl. Trop. Afr. VI. i. 979.

Salisbury, Sep. Engler, 3073; Rand, 644, 1387; Marshall.

4424—**Ricinus communis**, *L.*

Fl. Trop. Afr. VI. i. 945; Cat. Afr. Pl. Welw. i. 983.

South Rhodesia, Rhod. Agric. Journ. 1904, 135. Naturalized.

Odzani River Valley, Umtali, Teague, 269.

4436—**Hevea** sp.

Matopos, Govt. Herb. 901, cultivated.

4444—**Manihot Glaziovii**, *Müll. Arg.*

Fl. Trop. Afr. VI. i. 839.

Salisbury, Govt. Herb. 765, cultivated.

4448—**Cluytia inyangensis**, *Hutch.*

Fl. Trop. Afr. VI. i. 804.

Inyanga, 6000–7000 ft. Cecil, 181.

¹ Rogers had this number named *T. okanyua*, Pax, by Mr. Spencer Moore.

Genus No.

- C. monticola**, *S. Moore*.
Fl. Trop. Afr. VI. i. 803; Journ. Linn. Soc. Bot. xl. 197.
Mt. Pene, 6500–7000 ft. Sep.–Oct. Swyn. 2012, 6159.
- C. Paxii**, *Knauf*. (*C. phyllanthoides*, *S. Moore*.)
Fl. Trop. Afr. VI. i. 809; Journ. Linn. Soc. Bot. xl. 198.
Melsetter, 6000 ft. Sep. Swyn. 1120, 1722.
- C. robusta**, *Pax*.
Fl. Trop. Afr. VI. i. 811.
Melsetter, Swyn. 1530; Mt. Pene, Swyn. 6042; Chirinda, Swyn. 1531a.
- C. stelleroides**, *S. Moore*.
Fl. Trop. Afr. VI. i. 804; Journ. Linn. Soc. Bot. xl. 198.
North Melsetter, 5000–6000 ft. Oct. Swyn. 6214.
- C. Swynnertonii**, *S. Moore*.
Fl. Trop. Afr. VI. i. 811; Journ. Linn. Soc. Bot. xl. 197.
Chipete and Chirinda, 3700–4000 ft. May–June, Swyn. 197, 530a, 530b, 530c.
- C. volubilis**, *Hutch*.
Fl. Trop. Afr. VI. i. 809.
Chimanimani, Johnson, 188.
- 4463—**Ricinodendron Rautanenii**, *Schinz*.
Fl. Trop. Afr. VI. i. 746.
Victoria Falls, Kirk; Allen, 191.
- 4464—**Gelonium procerum**, *Prain*.
Fl. Trop. Afr. VI. i. 948; Journ. Linn. Soc. Bot. xl. 201.
Chirinda Forest, 3700–4000 ft. Oct. Swyn. 104; Chimanimani Mts. 7000 ft. Swyn. 1115.
- 4478—**Excœcaria** sp.
Gwanda, Noble, 23.
- 4483—**Sapium madagascariense**, *Prain*. (*Excœcaria sylvestris*, *S. Moore*.)
Fl. Trop. Afr. VI. i. 1010; Journ. Linn. Soc. Bot. xl. 204.
Chirinda Forest, 3700–4000 ft. Oct. Jan. Swyn. 72, 72a.
- S. Mannianum**, *Benth*.
Fl. Trop. Afr. VI. i. 1016; Cat. Afr. Pl. Welw. i. 986.
Chipete Forest, 3800 ft. March, Swyn. 103; Chirinda, 3800 ft. Sep. Swyn. 741.
- 4498—**Euphorbia abyssinica**, *Gmelin*.
Fl. Trop. Afr. VI. i. 588.
South Rhodesia, Rand.
- E. angularis**, *Klotzsch*.
Fl. Trop. Afr. VI. i. 584.
Matopos, Nov. Marloth, 3418.

Genus No.

4498—**E. crotonoides**, Boiss.

Fl. Trop. Afr. VI. i. 518.

Redbank, Flanagan, 3186.

E. cyparissioides, Pax. (*E. ericoides*, Lam.)

Fl. Trop. Afr. VI. i. 542; Cat. Afr. Pl. Welw. i. 951.

Rusapi, Engler, 3112; North Melssetter, Swyn. 6217.

var. **minor**, N. E. Br.

Fl. Trop. Afr. VI. i. 542.

North Melssetter, 6000 ft. Sep. Swyn. 6043, 6044; Haroni Riv.

5000 ft. Oct. Swyn. 1529; Macheke, Rogers, 4027.

E. depauperata, Hochst.

Fl. Trop. Afr. VI. i. 537.

Mt. Pene, 7000 ft. Sep. Swyn. 6041; Haroni Riv. 5500 ft. Oct. Swyn. 1528.

E. espinosa, Pax.

Fl. Trop. Afr. VI. i. 547.

Bulawayo, Chubb, 345; Victoria, Monro, 319.

E. Eylesii, Rendle.

Fl. Trop. Afr. VI. i. 512; Journ. Bot. 1905, 52.

Deka, 2400 ft. May, Eyles, 130; Kesi, April, Flanagan, 3284;

Victoria, Monro, 910; Victoria Falls, Rogers, 5559*, 7138*.

E. grandidens, Haw.

For. Fl. Port. E. Afr. 105; For. Fl. Cape, 317.

Matopos, Davy.

E. griseola, Pax, var. **robusta**, Pax.

Fl. Trop. Afr. VI. i. 578.

Matopos, 5000 ft., Engler, 2860b.

E. helioscopia, L.

Bulawayo, 4500 ft. Jan. Eyles, 62.

E. livida, E. Mey. ?

Victoria Falls, Galpin, 7351.

E. matabelensis, Pax. (*E. jageriana*, Pax, *E. trifurca*, N. E. Br.)

Fl. Trop. Afr. VI. i. 546.

Matopos, Sep. Gibbs, 24; Engler; Victoria Falls, Galpin, 7056;

Rogers, 5306; Victoria, Monro, 424; between Umtali and

Melssetter and other parts of Mashonaland, Swyn. 691, 6611;

Matabeleland, Penther, 944; Chirinda, 3500 ft. Oct. Swyn. 691.

E. mozambicensis, N. E. Br.

Fl. Trop. Afr. VI. i. 509.

Victoria Falls, Rogers, 7002*.

Genus No.

E. Oatesii, *Rolfe*.

Fl. Trop. Afr. VI. i. 522.

Matabeleland, Oates; Gwelo, Rand, 218.

E. Reinhardtii, *Volk*.

Fl. Trop. Afr. VI. i. 590.

Bulawayo, Nov. Marloth, 3417; Matopos, Davy; Engler.

E. rubriflora, *N. E. Br.*

Fl. Trop. Afr. VI. i. 509.

Victoria Falls, Rogers, 5565; Allen.

E. Schimperiana, *Scheele*.

Fl. Trop. Afr. VI. i. 533.

Chirinda, 3700-4000 ft. Swyn. 1531.

var. **Buchanani**, *N. E. Br.*

Fl. Trop. Afr. VI. i. 534.

Chirinda Forest, 3800 ft. Sep. Swyn. 238.

E. Schinzii, *Pax*.

Fl. Trop. Afr. VI. i. 567.

Bulawayo, 4500 ft. Eyles, 1247; Rand, 396.

E. tettensis, *Klotzsch*.

Fl. Trop. Afr. VI. i. 494.

Igusi, April, Flanagan, 3191.

E. tortistyla, *N. E. Br.*

Fl. Trop. Afr. VI. i. 569.

Victoria, Monro, 490.

E. trichadenia, *Pax*. (*E. benquellensis*, *Pax*.)

Fl. Trop. Afr. VI. i. 523.

Matopos, Oct. Gibbs, 234; Victoria, Monro, 141.

E. whyteana, *Baker f.*

Fl. Trop. Afr. VI. i. 540.

Chimanimani Mts. 7000 ft. Sep. Swyn. 1526.

E. spp.

Gwai Forest, Allen, 264.

Mazoe, 4400 ft. April, Eyles, 314, cf. *E. Eylesii*, Rendle.

Mazoe, 4400 ft. April, Eyles, 365.

Victoria Falls, April, Flanagan, 3246.

South Rhodesia, Rand, 395, 397.

4500—**Synadenium gazenae**, *N. E. Br.*

Fl. Trop. Afr. VI. i. 467; Journ. Linn. Soc. Bot. xl. 190.

Chipeizana Riv. 3000 ft. April, Swyn. 1505.

SERIES SAPINDALES.

FAMILY CLIII.—ANACARDIACEAE, *Lindl.*

Genus No.

4558—**Sclerocarya caffra**, *Sond.*

Fl. Trop. Afr. i. 449; Fl. Cap. i. 525; For. Fl. Port. E. Afr. 39;
Cat. Afr. Pl. Welw. i. 176; Harv. Gen. S.A. Pl. 64; Nat. Pl.
307.

Matopos, Davy; Oct. Gibbs, 261; Bulawayo, Engler; Chubb,
321; Gwanda, Noble, 10; Umtali, Govt. Herb. 843; Sabi
Riv. fr. Nov. Swyn. 1210; Melsetter, Swyn.; Victoria, Monro,
531.

4563—**Lannea discolor** (*Sond.*), *Engl.* (*Odina discolor*, *Sond.*)

Fl. Cap. i. 504.

Umtali, Engler; Salisbury, Engler.

L. edulis (*Sond.*), *Engl.* (*Odina edulis*, *Sond.*)

Fl. Cap. i. 503.

Matopos, fl. Sep. fr. Oct. Gibbs, 71; Salisbury, Darling; Chirinda,
3800 ft. fl. & fr. Oct. Swyn. 441; South Melsetter, Swyn.;
Charter, Govt. Herb. 3017; Victoria, Monro, 523; North of
Bulawayo, Engler.

var. **integrifolia**, *Engl.*

Salisbury, Engler.

L. Schimperi (*Hochst.*), *Engl.* (*Odina Schimperi*, *Hochst.*)

Fl. Trop. Afr. i. 445.

Matopos, Oct. ♂ Gibbs, 268.

L. Stuhlmanni (*Engl.*), *Torre & Harms.* (*Odina Stuhlmanni*, *Engl.*)

Sabi Riv. 1000 ft. Nov. Swyn. 1205.

L. Wodier, *Roxb.* var. **brevifolia**, *Engl.*

Victoria, Monro, 745.

L. spp.

Victoria, Monro, 552; 587, 641.

Mazoe, 4300–4800 ft. Sep. Eyles, 422.

Bulawayo, Oct.–Dec. Chubb, 306.

4589—**Heeria insignis**, *O. Kuntze*, var. **reticulata**, *Baker f.*

Journ. Bot. 1899, 428.

Bulawayo, Jan. Rand, 64; fr. May, Rand, 307; between Mt.

Pene and Haroni Riv. 6000 ft. fr. Sep. Swyn. 680.

H. paniculosa, *Engl.*

Matopos, Rogers, 5412.

Genus No.

- H. pulcherrima** (*Schweinf.*), *O. Kuntze.* (*Rhus pulcherrima*, Oliv.
Fl. Trop. Afr. i. 436.
Matopos, Engler; Salisbury, Rogers, 5769; Charter, Govt. Herb.
3016.
- H. reticulata** (*Baker*), *Engl.*
Salisbury, Engler; Victoria, Monro, 695; Matopos, Rogers, 5363.
- H. spp.**
Victoria, Monro, 332, 437.
- 4594—**Rhus bulawayensis**, *Diels.*
Bulawayo, Sep. Engler, 2923.
- R. chirindensis**, *Baker f.*
Journ. Linn. Soc. Bot. xl. 49.
Chirinda, 3800 ft. Swyn. 168.
- R. erosa**, *Thunb.*
Fl. Cap. i. 516; For. Fl. Cape, 194.
Victoria, Monro, 307.
- R. lævigata**, *L.*
Fl. Cap. i. 514; For. Fl. Cape, 195.
Victoria, Monro, 739.
- R. lancea**, *L. f.*
Fl. Cap. i. 514; For. Fl. Cape, 194.
Bulawayo, July, Rand, 444; May, Rand, 302, 304; Chubb, 41,
45, 51, 315; Matopos, Sep. Galpin, 7066; Davy; fl. & fr. Sep.
Gibbs, 1; Gwanda, Noble, 36.
- R. lanceolata** ?
Matopos, Govt. Herb. 895; Salisbury, Govt. Herb. 937.
- R. leptodictya**, *Diels.*
Bulawayo, Sep. Engler, 2915.
- R. lucida**, *L.*
Fl. Cap. i. 517.
Chimanimani Forest, 6500 ft. fl. & young fr. Sep. Swyn. 635.
- R. mucronifolia**, *Sond.* (*R. salicifolia*, Presl.)
Fl. Cap. i. 521; For. Fl. Cape, 193.
Gwanda, Noble, 65; Mazoe, Govt. Herb. 2089 ?
- R. paniculosa**, *Sond.* (*Anaphrenium paniculosum*, Engl.)
Fl. Cap. i. 522.
Bulawayo, 4500 ft. Dec. Eyles, 13; Rogers, 5508; Matopos,
March, Flanagan, 2945; Rogers, 5413, 5639.
- R. rehmannia**, *Engl.*
Bulawayo, Chubb, 4a.
- R. Sonderi**, *Engl.*
Chirinda, 3500 ft. fl. & fr. Oct. Swyn. 174; Chipete Forest,
3800 ft. Oct. Swyn. 174a.

Genus No.

var. **pilosa**, *Engl.*

Melsetter, 6000 ft. Swyn. 6165.

R. tenuinervis, *Engl.*

Cat. Afr. Pl. Welw. i. 182.

Bulawayo, May, Rand, 306.

R. tomentosa, *L.*

Fl. Cap. i. 508; For. Fl. Cape, 195.

Melsetter, 6000 ft. Sep. Swyn. 667.

R. trifoliolata, *Baker f.*

Journ. Bot. 1899, 429.

Bulawayo, Dec. Rand, 66.

R. villosa, *L. f.*

Fl. Trop. Afr. i. 439; Fl. Cap. i. 510; Cat. Afr. Pl. Welw. i. 182;

For. Fl. Cape, 196.

Bulawayo, Jan. Rand, 65; Rogers, 5506; Matopos, Oct. Gibbs, 247; Engler; Mazoe, 4600 ft. Aug. Eyles, 398; Salisbury,

Engler; Victoria, Monro, 1004.

R. Welwitschii, *Engl.* var. **angustifolia**, *Baker f.*

Journ. Bot. 1899, 429.

Bulawayo, Jan. Rand, 97.

R. spp.

Victoria Falls, fr. April, Flanagan, 3211.

Victoria, Monro, 314.

Salisbury, Rogers, 5574.

Lomagundi, Govt. Herb. 985.

Umvukwe Hills, Govt. Herb. 1090.

Mazoe, Govt. Herb. 2082.

South Rhodesia, Rand, 303, 305.

FAMILY CLVII.—AQUIFOLIACEAE, *DC.*

4614—**Ilex capensis**, *Sond. & Harv.* (*I. mitis*, *Radl.*)

Fl. Trop. Afr. i. 359; Fl. Cap. i. 473; For. Fl. Port. E. Afr. 22;

For. Fl. Cape, 151; Cat. Afr. Pl. Welw. i. 143.

Mt. Pene, 7000 ft. Oct. Swyn. 6210; Mazoe, 4300 ft. Sep. Eyles, 436.

FAMILY CLVIII.—CELASTRACEAE, *Lindl.*

4625—**Celastrus concinnus**, *N. E. Br.*

Kew Bull. 1906, 16.

Chirinda, 3700–4000 ft. fl. & fr. Oct. Swyn. 118.

Genus No.

C. mossambicensis, Klotzsch.

Fl. Trop. Afr. i. 362.

Chikore Hills, 3500 ft. April, Swyn. 185.

C. polyacanthus, Sond.

Fl. Cap. i. 455.

Victoria, Monro, 1100.

4627—**Gymnosporia buxifolia** (Sond.), Szyszyl. (*Celastrus buxifolius*, L.

Fl. Cap. i. 459; Nat. Pl. 535; For. Fl. Cape, 185.

Matopos, Engler; Victoria, Monro, 1023; Bulawayo, Rogers 13520*.

G. senegalensis, Loes. (*Celastrus senegalensis*, Lam.)

Fl. Trop. Afr. i. 361; Cat. Afr. Pl. Welw. i. 145.

Matopos, Engler; fr. Sep. Galpin, 7077; Rogers, 5244; Victoria Falls, Engler; Rogers, 7420; Victoria, Monro, 382; Upper Buzi, 3500 ft. May, Swyn. 2069.

var. **inermis**?

Bulawayo, May, Rand, 298; Victoria Falls, July, Allen, 411.

var. **spinosa**?

Bulawayo, May, Rand, 413; Mazoe, 4800 ft., June, Eyles, 374.

G. spp.

Victoria, Monro, 386, 738a.

South Rhodesia, Rand, 324, 442.

4629—**Catha edulis**, Forsk.

Fl. Trop. Afr. i. 365; For. Fl. Cape, 181; Harv. Gen. S.A. Pl. 53.

Salisbury, fr. July, Rand, 567; Chipete, 3800 ft. April, Swyn.

102; Chirinda Forest, 3700–4000 ft. May, Swyn. 102?

Chirinda, 3500 ft. fr. Oct. Swyn. 1342; Odzani River Valley, Umtali, Teague, 112.

4630—**Pterocelastrus rostratus**, Walp.

Fl. Cap. i. 463; For. Fl. Port. E. Afr. 36; For. Fl. Cape, 187.

Mt. Pene Forest, 6500 ft. Sep. Swyn. 1301; Chimanimani Mts.

7000 ft. Sep. Swyn. 1302.

4640—**Elæodendron capense**, E. & Z.

Fl. Cap. i. 468; For. Fl. Cape, 190.

Chikore, 3600 ft. March, Swyn. 167; Chirinda, 3700–4000 ft.

Oct. Swyn. 1174.

E. matabelicum, Loes.

Matopos, Sep. Engler, 2835; Oct. Gibbs, 365; Victoria, Monro, 738, 844.

E. sp.

South Rhodesia, Rand, 427.

FAMILY CLIX.—HIPPOCRATEACEAE, *H. B. & K.*

Genus No.

4661—**Hippocratea Buchanani**, *Loes.*

Victoria Falls, Rogers, 5371.

H. cymosa, *De Wild. & Th. Dur.*

Victoria Falls, Engler.

H. obtusifolia, *Rorb.*

Fl. Trop. Afr. i. 369; Cat. Afr. Pl. Welw. i. 149.

Victoria Falls, Sep. Galpin, 7017; Sep. Gibbs, 139; Rogers, 5785; Sabi Riv. 1000 ft. Nov. Swyn. 1200; fr. Nov. Swyn. 1203.

FAMILY CLXII.—ICACINACEAE, *Miers.*

4686—**Apodytes dimidiata**, *E. Mey.*

Fl. Trop. Afr. i. 355; Fl. Cap. i. 235; Cat. Afr. Pl. Welw. i. 142;

For. Fl. Port. E. Afr. 31; For. Fl. Cape, 135.

Chirinda, 3800 ft. Swyn. 184.

FAMILY CLXV.—SAPINDACEAE, *Juss.*

4724—**Paullinia pinnata**, *L.*

Fl. Trop. Afr. i. 419; For. Fl. Port. E. Afr. 31; Cat. Afr. Pl. Welw. i. 166.

Victoria Falls, Sep. Galpin, 7018; fl. & fr. Sep. Gibbs, 124; Engler; Rogers, 5101, 8674; Matopos, March, Flanagan, 2967.

4726—**Cardiospermum corindum**, *L.* (*C. canescens*, *Wall.*)

Fl. Trop. Afr. i. 418; Cat. Afr. Pl. Welw. i. 167.

Matopos, fl. & fr. Sep.-Oct. Gibbs, 78; Engler; Rogers, 5199.

C. Halicacabum, *L.*

Fl. Trop. Afr. i. 417; Cat. Afr. Pl. Welw. i. 167.

Bulawayo, Rogers.

4734—**Allophylus alnifolius** (*Baker*), *Radlk.* (*Schmidelia alnifolia*, *Baker.*)

Fl. Trop. Afr. i. 422.

Matopos, Engler.

A. chirindensis, *Baker f.*

Journ. Linn. Soc. Bot. xl. 48.

Chirinda Forest, 3700-4000 ft. Swyn. 112.

A. rubrifolius (*Hochst.*), *Torre & Harms.* (*Schmidelia rubrifolia*, *Hochst.*)

Fl. Trop. Afr. i. 423.

Victoria Falls, Allen, 143; Rogers, 5538.

Genus No.

- 4784—**Pappea capensis**, *E. & Z.* (*Sapindus Pappea*, Sond.)
Fl. Cap. i. 241; For. Fl. Port. E. Afr. 33; For. Fl. Cape, 171.
Bulawayo, Galpin, 7064; Matabeleland, Davy.

P. fulva, *Conrad.*

Victoria, Monro, 947; Bulawayo, Chubb, 44; Salisbury, Rogers,
4077.

P. spp.

Victoria, Monro, 944, 988.

- 4831—**Dodonaea viscosa**, *L.*

Fl. Trop. Afr. i. 433; Fl. Cap. i. 242.

Victoria, Monro, 576; Melsetter and Nyahodi Riv. Swyn.;
Odzani River Valley, Umtali, Teague, 86.

FAMILY CLXVII.—MELIANTHACEAE, *Endl.*

- 4853—**Bersama maschonensis**, *Gürke.*

Umtali, Sep. Engler, 3141.

B. Swynnertonii, *Baker f.*

Journ. Bot. 1907, 14.

Melsetter, 3800 ft. Swyn. 9; Chipete Forest, Dec. Swyn.

FAMILY CLXVIII.—BALSAMINACEAE, *Lindl.*

- 4856—**Impatiens Cecili**, *N. E. Br.*

Kew Bull. 1906, 101.

Manica Dist. Cecil, 169; Melsetter, 6000 ft. Sep. Swyn. 618.

I. walleriana, *Hook. f.*

Fl. Trop. Afr. i. 302.

Chirinda Forest, 3700 ft. April, Swyn. 344.

I. zombensis, *Baker*, forma.

Chirinda Forest, 3700–4000 ft. April, Swyn. 343

SERIES RHAMNALES.

FAMILY CLXIX.—RHAMNACEAE, *Lindl.*

- 4861—**Zizyphus espinosus**, *Buettn.*

South Rhodesia, Rand, 301.

Z. jujuba, *Lam.*

Fl. Trop. Afr. i. 379; For. Fl. Port. E. Afr. 35.

Mazoe, 4300 ft. Sep. Eyles, 407; Victoria Falls, Rogers, 5726.

Genus No.

var. **nanus**, *Engl.*

Salisbury, *Engler*.

Z. mucronata, *Willd.*

Fl. Trop. Afr. i. 380; Fl. Cap. i. 475; Nat. Pl. 47; For. Fl. Port. E. Afr. 35; For. Fl. Cape, 177.

Bulawayo, Dec. Rand, 9; Chubb, 27; Rogers, 5505; Nov. Eyles, 1209; Govt. Herb. 915; Matopos, Davy; Govt. Herb. 905; Gwanda, Noble, 30; Umtali, Govt. Herb. 836; Victoria, Monro, 985; Gambadzia Riv. 3300 ft. fr. May, Swyn. 1385; Umvumvumu Riv. 4000 ft. fr. April, Swyn. 2070; South Melsetter, Swyn.; Salisbury, Rogers, 5779; Matabeleland, Marloth.

Z. spp.

Bulawayo, Chubb, 396.

Victoria, Monro, 779.

South Rhodesia, Rand, 589.

4868—**Berchemia discolor**, *Hemsl.*

Fl. Trop. Afr. i. 381; For. Fl. Port. E. Afr. 35.

Sabi Riv. 1000 ft. Nov. Swyn. 1215; Hartley, Govt. Herb. 2095.

4875—**Rhamnus prinoides**, *L'Hérit.*

Fl. Trop. Afr. i. 382; Fl. Cap. i. 477; For. Fl. Cape, 179.

Chipete, 3800 ft. fr. May, Swyn. 428.

R. sp.

Bulawayo, 4500 ft. Dec. Eyles, 1005.

4886—**Phylica paniculata**, *Willd.*

Fl. Cap. i. 482; For. Fl. Cape, 180.

Chimanimani Mts. 7000 ft. fr. Sep. Swyn. 632a.

4888—**Lasiodiscus Holtzii**, *Engl.*

Chirinda Forest, 3700–4000 ft. fl. & fr. Oct. Swyn. 121; young fr. Dec. Swyn. 6227.

4902—**Gouania longispicata**, *Engl.*

Chirinda Forest, 3700–4000 ft. April, Swyn. 96.

4905—**Helinus mystacinus**, *Hemsl.*

Fl. Trop. Afr. i. 385.

South Rhodesia, Rand, 36.

H. mystacinus, *E. Mey.*

Chirinda, 3700–4000 ft. fl. & fr. May, Swyn. 217.

H. ovatus, *E. Mey.*

Fl. Trop. Afr. i. 384; Fl. Cap. i. 479; Nat. Pl. 44; Cat. Afr. Pl. Welw. i. 151.

Matopos, 4500 ft. Nov. Eyles, 1185; Rogers, 5646; Victoria, Monro, 1067; Victoria Falls, Rogers, 7146.

FAMILY CLXX.—VITACEAE, *Lindl.*

Genus No.

4909—**Vitis** spp.

Victoria, Monro, 1026.

Victoria Falls, Rogers, 5062, 5070.

4910—**Ampelocissus Grantii**, *Planch.*

Victoria Falls, Rogers, 5541.

A. mossambicensis, *Planch.*

South Melssetter, Swyn.

A. obtusata, *Planch.* (*Vitis obtusata*, Welw.)

Fl. Trop. Afr. i. 414 ; Cat. Afr. Pl. Welw. i. 156.

Salisbury, Rand, 1362.

4917—**Rhoicissus capensis**, *Planch.*

Chirinda, 3700–4000 ft. Nov. Swyn. 1370 ; Chikore Hills, 3700–4000 ft. bud Nov. Swyn. 1376.

R. cunefolia, *Planch.*

Chirinda, 3800 ft. bud Nov. Swyn. 221.

R. erythroides, *Planch.* (*Vitis erythroides*, Fresen.)

Fl. Trop. Afr. i. 401 ; Cat. Afr. Pl. Welw. i. 157.

Salisbury, July, Rand, 443.

var. **ferruginea** (*Baker*), *Planch.*

Mazoe, 4700 ft. Jan. Eyles, 507.

R. rhomboidea, *Planch.*

Mt. Pene Forest, 6500–7000 ft. Swyn. 1382 ; Chimanimani Mts. 7000 ft. Swyn. 1381 ; Chirinda Forest, 3700 ft. fr. Oct. Swyn. 92.

R. sansibarensis, *Gilg.*

Lusitu Riv. 3000 ft. fr. April, Swyn. 1380.

R. spp.Victoria, Monro, 1060, cf. *R. sansibarensis*, Gilg. ; 1080, cf.*R. sericea*, E. & Z. ; and 577.Umvumvumvu Riv. Swyn. 1379, cf. *R. sansibarensis*, Gilg.4918—**Cissus Buchanani**, *Planch.*

Cat. Afr. Pl. Welw. i. 164.

Chipete, 3800 ft. fr. March, Swyn. 231.

C. congesta, *Planch.*

Salisbury, Rogers, 5775.

C. crotalarioides, *Planch.*

Salisbury, Rand, 1339, 1340.

C. cymosa, *Schum.* (*Vitis Thonningii*, Baker.)

Fl. Trop. Afr. i. 407.

Salisbury, Sep. Rand, 606.

Genus No.

- C. fragilis**, *E. Mey.*
Fl. Cap. i. 249.
Victoria Falls, Rogers, 5572, 5614.
- C. gracilis**, *Guill. & Perr.*
Victoria, Monro, 1043 ; Victoria Falls, Rogers, 5552.
- C. hypargyrea**, *Gilg.*
Salisbury, Rand, 1338.
- C. jatrophioides**, *Planch.* (*Vitis jatrophioides*, Welw.)
Fl. Trop. Afr. i. 400 ; Cat. Afr. Pl. Welw. i. 161.
Salisbury, Rand, 1337.
- C. Marlothii**, *Gilg.*
Matopos, Nov. Marloth, 3386.
- C. rhodesiae**, *Gilg.*
Salisbury, Engler.
- C. rotundifolia**, *Vahl.*
Sabi Riv. 1000 ft. bud Nov. Swyn. 2071.
- C. zombensis**, *Gilg. & Brandt*, forma.
Chirinda, 3500 ft. fr. Sep. Swyn. 194.
- C. spp.**
Bulawayo, 4500 ft. Feb. Eyles, 101, cf. *C. Sandersoni*, Harv.
Salisbury, Rand, 1336, 1363.
Victoria, Monro, 519.
Victoria Falls, Galpin, 7380.
Mazoe, 4400 ft. Jan. Eyles, 504 ; 4800 ft. Nov. Eyles, 459.

SERIES MALVALES.

FAMILY CLXXIV.—TILIACEAE, *Juss.*

- 4953—**Corchorus asplenifolius**, *Burch.*
Fl. Cap. i. 229.
Bulawayo, Dec. Gardner, 97 ; Rogers, 5743, 5495 ; Wankie,
Rogers, 6012.
- C. hirsutus**, *L.*
Fl. Trop. Afr. i. 264.
Matopos, Nov. Eyles, 1150 ; fl. and fr. Oct. Gibbs, 237 ; Engler ;
March, Flanagan, 2978 ; Rogers, 5650 ; Victoria, Monro, 1066.
- C. Kirkii**, *N. E. Br.*
Matopos, Rogers, 5345, 5349.
- C. mucilagineus**, *Gibbs.*
Journ. Linn. Soc. Bot. xxxvii. 433.
Matopos, Sep. Gibbs, 8.

Genus No.

C. muricatus, *Hochst.*

Fl. Trop. Afr. i. 263.

Victoria Falls, Allen, 87.

C. serræfolius, *Burch.*

Fl. Cap. i. 229.

Bulawayo, Dec. Rand, 8.

C. tridens, *L.*

Fl. Trop. Afr. i. 264 ; Cat. Afr. Pl. Welw. i. 101.

Victoria Falls, July, Kolbe, 3174 ; Rogers, 5537 ; Ngomi, April, Flanagan, 3290.

C. trilocularis, *L.*

Fl. Trop. Afr. i. 262 ; Fl. Cap. i. 229 ; Cat. Afr. Pl. Welw. i. 100.

Bulawayo, 4500 ft. Dec. Eyles, 5 ; Victoria, Monro, 974 ; Chipete Forest, 3800 ft. fl. & fr. May, Swyn. 469 ; Upper Buzi, 3800 ft. fr. April, Swyn. 1480 ; Chipetzana Riv. 3000 ft. fr. April, Swyn. 1481.

C. sp.Gwelo, Jan. Gardner, 40, cf. *C. trilocularis*, *L.*4957—**Sparmannia palmata**, *E. Mey.*, **forma.**

Fl. Cap. i. 224.

Chipete Forest, 3800 ft. April, Swyn. 225 ; Melsetter, 6000 ft. fr. April, Swyn. 789 ; Chirinda, Swyn.

4966—**Grewia cana**, *Sond.*

Fl. Cap. i. 225.

Bulawayo, 4500 ft. Oct. Eyles, 1089 ; Monro, 55 ; Khami, Nov. Marloth, 3394.

G. chirindae, *Baker f.*

Journ. Linn. Soc. Bot. xl. 31.

Chirinda, 3700–4000 ft. Nov. Swyn. 131 ; Chipete, Swyn.

G. flava, *DC.*

Fl. Trop. Afr. i. 250 ; Fl. Cap. i. 225 ; For. Fl. Cape, 148.

Matopos, Oct. Gibbs, 226 ; Engler ; Victoria Falls, Rogers, 5144.

G. flavescens, *Juss.*

Victoria Falls, Rogers, 5597.

G. guazumifolia, *Juss.*

Fl. Trop. Afr. i. 245.

Victoria Falls, Rogers, 5590.

G. monticola, *Sond.*

Fl. Cap. i. 226.

Bulawayo, 4500 ft. Nov. Eyles, 1225 ; Chubb, 357 ; Rogers, 5498 ; Victoria, Monro, 667.

G. obovata, *K. Schum.*

Sabi Riv. 1000 ft. fr. Nov. Swyn. 1217.

Genus No.

G. occidentalis, L.

Fl. Trop. Afr. i. 246; Fl. Cap. i. 225; For. Fl. Cape, 147; Nat. Pl. 210.

Gwai Forest, 3800 ft. Allen, 236; Chirinda, 3800 ft. Dec. Swyn. 6628.

G. pilosa, Lam.

Fl. Trop. Afr. i. 250; Cat. Afr. Pl. Welw. i. 96.

Plumtree, fr. April, Flanagan, 3207?; Victoria Falls, Rogers, 5591.

G. spp.

Bulawayo, Dec. Gardner, 92, cf. *G. subspathulata*, N. E. Br.;
Monro, 67, 81; Eyles, 1010.

Victoria Falls, Allen, 81, cf. *G. salvifolia*, Heyne; Allen, 67; Allen, 150, cf. *G. occidentalis*, L.; Rogers, 7265, cf. *G. cana*, Sond.

Mazoe, 4300 ft. Dec. Eyles, 208.

Victoria, Monro, 361, 740, 794, 919, 700.

South Rhodesia, Rand, 40, cf. *G. salvifolia*, Heyne; Rand, 11 and 294.

4975—Triumfetta angolensis, Sprague & Hutchinson.

Journ. Linn. Soc. Bot. xxxix. 256 (1909).

Odzani River Valley, Umtali, Teague, 204.

T. annua, L.

Fl. Trop. Afr. i. 256; Cat. Afr. Pl. Welw. i. 97.

Mazoe, 5000 ft. March, Eyles, 255; Victoria Falls, April, Flanagan, 3236; Chirinda, 3800 ft. fl. & fr. April, Swyn. 272; fl. May, Swyn. 473.

T. annuletum, Sprague.

Gwelo, Sr. Phil. 39; Umtali, 3900 ft. Engler, 3121a.

T. dekindtiana, Engl.

Umvumvumu Riv. 4000 ft. fr. April, Swyn. 2062.

T. diversifolia, E. Mey.

Victoria, Monro, 886.

T. effusa, E. Mey.

Fl. Cap. i. 228; Nat. Pl. 318 (as *T. pilosa*, Roth.).

Victoria Falls, April, Flanagan, 3171; Chirinda, 3800 ft. fr. April, Swyn. 1156; Victoria, Monro, 902.

T. Mastersii, Baker f.

Salisbury, Aug. Rand, 440; fl. & young fr. Sep. Rand, 592; Bulawayo, Rogers, 5472?; Chipetzana Riv. 3000 ft. bud Oct. Swyn. 2061; Nyahodi Riv. 5000 ft. bud Sep. Swyn. 2060; Matabeleland, Oates (as *T. Welwitschii*, Mast.), South Rhodesia, Rand, 81.

Genus No.

T. pilosa, *Roth.*

Fl. Trop. Afr. i. 257 ; Fl. Cap. i. 227 ; Cat. Afr. Pl. Welw. i. 98.
Chirinda, 3500 ft. Feb. Swyn. 271 ; Melsetter, W. H. Johnson,
120.

T. rhomboidea, *Jacq.*

Fl. Trop. Afr. i. 257 ; Fl. Cap. i. 227 ; Cat. Afr. Pl. Welw. i. 98 ;
Nat. Pl. 252 (as *T. effusa*, E. Mey.).
Matopos, March, Flanagan, 2988 ; Gwelo, Sr. Phil. 23 ; Chirinda,
3800 ft. Feb. Swyn. 270 ; fr. May, Swyn. 472 ; April, Swyn.
1157 ; Upper Buzi, 3000 ft. fr. April, Swyn. 2063.

T. Sonderi, *Fic. & Hiern.*

Victoria Falls, Rogers, 5707.

T. trichocarpa, *Sond.* (? See note Fl. Trop. Afr. i. 260.)

Fl. Cap. i. 228.
Victoria Falls, Rogers, 7030, 7021.¹

T. Welwitschii, *Mast.*

Fl. Trop. Afr. i. 255 ; Cat. Afr. Pl. Welw. i. 97.
Matopos, fl. and fr. Oct. Gibbs, 261 ; Mazoe, 4300 ft. Sep. Eyles,
426 ; Matopos, Engler ; Salisbury, May, Flanagan, 3230 ;
Rand, 1341 ; Odzani River Valley, Umtali, Teague, 266.
var. **laxiflora**, *Sprague & Hutch.* (*T. laxiflora*, Engl.)
Salisbury, 4800 ft. Engler, 3025.
var. **Rehmannii**, *Sprague & Hutch.*
Rusapi, 4200 ft. Engler, 3116.

T. spp.

Salisbury, May, Flanagan, 3197, cf. *T. semitriloba*, L.
Victoria, Monro, 502, 589.
Bulawayo, 4500 ft. Sep. Eyles, 1078.

FAMILY CLXXV.—MALVACEAE, *Juss.*4983—**Abutilon angulatum**, *Mast.* (*A. intermedium*, Hochst.)

Fl. Trop. Afr. i. 183 ; Cat. Afr. Pl. Welw. i. 65.
Victoria Falls, Allen, 420 ; April, Flanagan, 3304 ; Rogers, 5114,
7122 ; Umvumvumu Riv. Swyn. ; Bulawayo, Rogers.

A. Cecili, *N. E. Br.*

Kew Bull. 1906, 99.
Inyanga, etc. 5400–6300 ft. Cecil, 196.

A. fruticosum, *Guill. & Perr.*

Fl. Trop. Afr. i. 187 ; Cat. Afr. Pl. Welw. i. 67.
Bulawayo, Dec. Rand, 27.

¹ Rogers has this number named *T. pentandra*, Reich.

Genus No.

A. hirsutissimum, Moench. (*A. asiaticum*, Don.)

Cat. Afr. Pl. Welw. i. 66.

Bulawayo, Dec. Rand, 7.

A. matopense, Gibbs.

Journ. Linn. Soc. Bot. xxxvii. 431.

Matopos, Sep. Gibbs, 98.

A. Sonneratianum, Sweet.

Chirinda, 3800 ft. fl. & fr. May, Swyn. 504; Chipinga, Swyn.;

Bulawayo, Rogers, 13603*.

A. zanzibaricum, Bojer.

Fl. Trop. Afr. i. 186; Cat. Afr. Pl. Welw. i. 66.

Mazoe, 4500 ft. April, Eyles, 354.

4985—**Wissadula hernandioides**, Garcke.

Victoria Falls, 3000 ft. May, Eyles, 142.

W. rostrata, Planch.

Fl. Trop. Afr. i. 182.

Victoria Falls, July, Kolbe, 3154; April, Flanagan, 3297;

Rogers, 5011.

4995—**Malvastrum**, spp.

Khami Riv. 4500 ft. Oct. Eyles, 12.

Bulawayo, Rogers, 13602.

Victoria Falls, Rogers, 7170.

4998—**Sida acuta**, Burm. (*S. carpinifolia*, L.)

Fl. Trop. Afr. i. 180; Cat. Afr. Pl. Welw. i. 63.

Salisbury, Rogers, 4020.

S. cordifolia, L.

Fl. Trop. Afr. i. 181; Fl. Cap. i. 168; Cat. Afr. Pl. Welw. i. 64.

Victoria Falls, 3000 ft. May, Eyles, 145 (forma); Allen, 72;

Rogers, 5709; Matopos, Nov. Marloth, 3358; Rogers, 5185,

7088; Gwelo, Sr. Phil. 32; Chipetzana & Chipinga, Swyn.;

Bulawayo, Rogers, 5759.

S. longipes, E. Mey. (*S. capensis*, E. & Z.)

Fl. Cap. i. 167.

Bulawayo, 4500 ft. Jan. Eyles, 3; Dec. Rand, 30; fl. & fr. May,

Rand, 292; Matopos, Sep. Gibbs, 79; Engler; Gwelo,

Sr. Phil. 28; Victoria Falls, Rogers, 5627, 7168; Salisbury,

Rogers, 5799; Matabeleland, Marloth.

var. **canescens**, Szyszyl.

Bulawayo, Rogers, 5735.

S. rhombifolia, L.

Fl. Trop. Afr. i. 181; Fl. Cap. i. 167; Cat. Afr. Pl. Welw. i. 64.

Bulawayo, Dec. Gardner, 91; Mazoe, 4500 ft. March, Eyles, 272

Victoria Falls, Rogers, 7073.

Genus No.

S. spp.

Bulawayo, Chubb, 304, 355.

Victoria Falls, Rogers, 5153.

Salisbury, Rogers, 5768, probably sp. n.

5006—**Urena lobata**, *L.*Fl. Trop. Afr. i. 189; Cat. Afr. Pl. Welw. i. 67; For. Fl. Port.
E. Afr. 17.Victoria Falls, 3000 ft. May, Eyles, 146; April, Flanagan, 3278;
Rogers, 5108, 6021.5007—**Pavonia clathrata**, *Mast.*

Fl. Trop. Afr. i. 193.

North of Bulawayo, 3400 ft. Dec. Eyles, 1124; Bulawayo,
Rogers, 13603*.**P. columella**, *Cav.*Chirinda, 3800 ft. April, Swyn. 299; May, Swyn. 525; Melsetter,
6000 ft. Swyn. 2049.**P. macrophylla**, *E. Mey.*

Fl. Trop. Afr. i. 190; Fl. Cap. i. 169.

Mazoe, 4300 ft. Dec. Eyles, 205; Khami Riv. 4500 ft. Feb. Eyles,
1198; Victoria, Monro, 848; Salisbury, Rogers, 5794; Bula-
wayo, Rogers, 5761, 13603; South Rhodesia, Rand, 29.**P. Meyheri**, *Mast.* (*P. galpiniana*, Schinz.)

Fl. Trop. Afr. i. 191.

Salisbury, March, Flanagan, 3021; Mazoe, 4500 ft. April, Eyles,
355; Odzani River Valley, Umtali, Teague, 98.**P. schimperiana**, *Hochst.*

Fl. Trop. Afr. i. 192.

Chirinda, 3700–4000 ft. May, Swyn. 523.

P. spp.

Bulawayo, Chubb, 338; Rogers, 5762.

Matopos, Rogers, 5168.

Victoria Falls, Rogers, 5710, 7202.

South Rhodesia, Rand, 94.

5013—**Hibiscus æthiopicus**, *L.*

Fl. Cap. i. 174.

North Melsetter, 5000–6000 ft. Oct. Swyn. 6222; Bulawayo,
Monro, 103 (var.).**H. Allenii**, *Sprague & Hutch.*

Kew Bull. 1907, 45.

Victoria Falls, Allen, 103.

H. articulatus, *Hochst.*

Fl. Trop. Afr. i. 200.

Gwelo, Jan. Gardner, 32; Victoria Falls, Rogers, 7240a.

Genus No.

5013—**H. calycinus**, Willd. (*H. calyphyllus*, Cav.)

Fl. Trop. Afr. i. 202 ; Fl. Cap. i. 170 ; Cat. Afr. Pl. Welw. i. 72.
Bulawayo, Rogers, 5760.

H. cannabifolius, L.

Fl. Trop. Afr. i. 204 ; Fl. Cap. i. 176 ; Cat. Afr. Pl. Welw. i. 72.
Bulawayo, fl. & fr. May, Rand, 293 ; Victoria Falls, Rogers, 7192,
7124, 7418 ; Chirinda, Swyn. ; Odzani River Valley, Umtali,
Teague, 130.

H. diversifolius, Jacq.

Fl. Trop. Afr. i. 198 ; Fl. Cap. i. 171.
Victoria Falls, Rogers, 5275.

H. furcatus, Roxb.

Fl. Cap. i. 176 ; Fl. Trop. Afr. i. 201.
Victoria Falls, Rogers, 7007*.

H. gossypinus, Thumb.

Fl. Trop. Afr. i. 205 ; Fl. Cap. i. 175.
Chirinda, 3500 ft. July, Swyn. 2053.

H. Kirkii, Mast.

Fl. Trop. Afr. i. 199.
Matopos, Rogers, 5367*.

H. micranthus, L. (*H. rhodanthus*, Gürke.)

Fl. Trop. Afr. i. 205 ; Cat. Afr. Pl. Welw. i. 74.
Matopos, fl. & fr. Oct. Gibbs, 255 (forma) ; Engler ; Rogers,
5649 ; Salisbury, Darling, in Herb. Bolus, 10765 (var.) ;
Hartley, Engler ; Victoria, Monro.

forma **macranthus** ?.

Salisbury, Sep. Rand, 438, 591 ; Mazoe, 4300–4700 ft. Aug.
Eyles, 183.

H. mutatus, N. E. Br.

Kew Bull. 1906, 99.
Matopos, Cecil, 108.

H. panduriformis, Burm.

Fl. Trop. Afr. i. 203 ; Cat. Afr. Pl. Welw. i. 72.
Mazoe, 4400–4800 ft. Jan. Eyles, 531 ; Salisbury, Rogers, 5771 ;
Kolbe, 4189 ; South Rhodesia, Govt. Herb. 737.

H. pentaphyllus, F. Muell.

Fl. Trop. Afr. i. 199.
Victoria Falls, April, Flanagan, 3158 ; Rogers, 5584.

H. physaloides, Guill. & Perr. (*H. caesioides*, Garcke.)

Fl. Trop. Afr. i. 199 ; Fl. Cap. i. 172 ; Nat. Pl. 319 ; Cat. Afr. Pl.
Welw. i. 69.

Victoria Falls, Allen, 71 ; Rogers, 7209 ; Ngomi, April, Flanagan,
3292 ; Matopos, Flanagan, 3008 ; Rogers, 5645.

Genus No.

5013—**H. pusillus**, *Thunb.*

Fl. Cap. i. 175; Cat. Afr. Pl. Welw. i. 75.

Bulawayo, Jan. Rand, 25; Rogers, 5744; Matopos, March, Eyles, 110; Victoria Falls, Rogers.

H. rhodesicus, *Baker f.*

Journ. Bot. 1899, 424.

Bulawayo, fl. & fr. Dec. Rand, 28.

H. Schinzii, *Gürke.*

Victoria Falls, Rogers, 5016.

H. shirensis, *Sprague & Hutch.*

Chirinda, 3700–4000 ft. Swyn. 298.

H. Solandra, *L'Hér.*

Fl. Trop. Afr. i. 206; Cat. Afr. Pl. Welw. i. 74.

North of Bulawayo, May, Eyles, 81.

H. surattensis, *L.*

Fl. Trop. Afr. i. 201; Fl. Cap. i. 177; Nat. Pl. 358; Cat. Afr. Pl. Welw. i. 71

Victoria Falls, April, Flanagan, 3157; Chirinda, Swyn.

H. Swynnertonii, *Baker f.*

Journ. Linn. Soc. Bot. xl. 28.

Sabi Riv. 1000 ft. Swyn.

H. ternatus, *Mast.*

Fl. Trop. Afr. i. 206.

Bulawayo, Jan. Rand, 69; Victoria Falls, Rogers, 7004.

H. Trionum, *L.*

Fl. Trop. Afr. i. 196; Fl. Cap. i. 176.

Bulawayo, Dec. Rand, 6; Rogers, 5745; Gwelo, Sr. Phil. 7.

H. vitifolius, *L.*

Fl. Trop. Afr. i. 197; Cat. Afr. Pl. Welw. i. 68.

Victoria Falls, Allen, 116; Rogers, 5050, 7095; Matopos, Rogers, 5658; South Rhodesia, Rand, 26.

H. spp.

Victoria Falls, April, Flanagan, 3232; Allen, 113, 133; Rogers, 5121.

Bulawayo, Monro, 22.

Mazoe, 4300 ft. Dec. Eyles, 225.

Victoria, Monro, 1098.

South Rhodesia, Rand, 74.

5015—**Kosteletzkya Büttneri**, *Gürke.*

Cat. Afr. Pl. Welw. i. 68.

Mazoe, 4300 ft. Dec. Eyles, 224.

Genus No.

K. spp.

Victoria Falls, April, Flanagan, 3281, cf. *K. flava*, Bak. f.
Rogers, 5010, 5113.

5018—**Thespesia garckeana**, *F. Hoffm.*

Salisbury, Engler; Umtali, Engler; Govt. Herb. 834.

T. spp.

Victoria Falls, Allen, 277; Rogers, 5142, 5389.

Bulawayo, 4700 ft. Feb. Eyles, 1196.

South Rhodesia, Rand, 430.

5020—**Gossypium sp.**

Bulawayo, Monro, 30.

FAMILY CLXXVII.—BOMBACACEAE, *K. Schum.*

5023—**Adansonia digitata**, *L.*

Fl. Trop. Afr. i. 212; Cat. Afr. Pl. Welw. i. 79; For. Fl. Port.
E. Afr. 16.

Victoria Falls, Davy; Gwanda, Noble, 39; Sabi Valley, Inyamadzi Riv. and Tanganda Riv. Swyn.

FAMILY CLXXVIII.—STERCULIACEAE, *Schott. & Endl.*

5047—**Melhania acuminata**, *Mast.*

Fl. Trop. Afr. i. 231.

Victoria Falls, Rogers, 7051*.

M. ferruginea, *A. Rich.*

Fl. Trop. Afr. i. 231; Cat. Afr. Pl. Welw. i. 88.

Victoria Falls, Rogers, 5611.

M. Forbesii, *Planch.*

Fl. Trop. Afr. i. 231; Cat. Afr. Pl. Welw. i. 88.

Victoria, Monro, 751.

M. linearifolia, *Sond.*

Fl. Cap. i. 222.

North of Bulawayo, 3400 ft. Dec. Eyles, 1127; Matabeleland,
Marloth.

M. obtusa, *N. E. Br.*

Kew Bull. 1906, 99.

Bulawayo, Cecil, 94; Matopos, Oct. Gibbs, 283; March, Flanagan,
2979.

M. prostrata, *DC.*

Fl. Cap. i. 222.

Salisbury, Engler.

Genus No.

forma **latifolia** ?.

Bulawayo, Dec. Rand, 24.

M. Randii, *Baker f.*

Salisbury, fl. & fr. Aug. Rand, 439 ; Rogers, 4058, 4007 ; May, Flanagan.

M. sp.

Mazoe, 5000 ft. Sep. Eyles, 411.

5053—**Dombeya densiflora**, *Planch.*

Fl. Cap. ii. 589.

Matopos, Davy ; Odzani River Valley, Umtali, Teague, 248.

D. reticulata, *K. Schum.*

Chirinda, July, Swyn. 47.

D. rosea, *Baker f.*

Journ. Linn. Soc. Bot. xl. 29.

Chirinda, 3900 ft. April, Swyn. 196.

D. rotundifolia, *Harv.*

Fl. Cap. i. 221 ; Nat. Pl. 229.

Salisbury, July, Rand, 568 forma ; Matopos, Sep. Gibbs, 24 ; Engler ; Bulawayo, Engler ; Aug. Eyles, 1066 ; Chubb, 343 ; Victoria Falls, Allen, 419 ; Rogers, 5004 ; Mazoe, 4800 ft. July, Eyles, 377 ; Govt. Herb. 923 ; Gwanda, Noble, 70 ; Inyoka, Govt. Herb. 951.

5056—**Hermannia boraginiflora**, *Hook.*

Fl. Cap. i. 201.

Victoria Falls, July, Kolbe, 3179 ; Gwelo, Sr. Phil. 35 ; Bulawayo, Oct.—Dec. Chubb, 303.

H. brachypetala, *Harv.*

Fl. Cap. i. 202.

Matopos, Sep. Gibbs, 7 ; Galpin, 7004.

H. depressa, *N. E. Br.*

Salisbury, July, Rand, 569 ; Bulawayo, May, Rand, 332 ; Monro, 107 ; Mazoe, 4300–4800 ft. Sep. Eyles, 423.

H. filipes, *Harv.*

Fl. Trop. Afr. i. 232 ; Fl. Cap. i. 206.

Victoria Falls, Rogers, 5732.

H. quartiniana, *Rich.* (*Mahernia abyssinica*, Hochst.)

Fl. Trop. Afr. i. 234 ; Fl. Cap. i. 216.

Matopos, fl. & fr. Sep.—Oct. Gibbs, 77.

H. viscosa, *Hiern.*

Bulawayo, Monro, 59 ; Matopos, Sep. Gibbs, 5 ; Victoria Falls, April, Flanagan, 3228.

Genus No.

var. **Randii**, *Baker f.*

Journ. Bot. 1901, 128.

Bulawayo, May, Rand, 295.

H. spp.

Kesi, April, Flanagan, 3283.

Bulawayo, 4500 ft. Jan. Eyles, 2.

South Rhodesia, Rand, 18.

5057—**Melochia corchorifolia**, *L.*

Fl. Trop. Afr. i. 236; Cat. Afr. Pl. Welw. i. 90.

Victoria Falls, Allen, 397.

5059—**Waltheria americana**, *L.* (*W. indica*, *L.*)

Fl. Trop. Afr. i. 235; Fl. Cap. i. 180; Cat. Afr. Pl. Welw. i. 91.

Bulawayo, Dec. Rand, 53; Matopos, Galpin, 6957; between

Plumtree and Bulawayo, April, Flanagan, 3180; Gwelo, Sr.

Phil. 40; Victoria Falls, Rogers, 5001; 7159, 7201; Chimani-

mani Mts. 7000 ft. Sep. Swyn. 2057; Chipetzana, 3000 ft.

April, Swyn. 2058; Odzani River Valley, Umtali, Teague, 205.

5083—**Sterculia diversicolor**?

Matopos, Govt. Herb. 902.

S. livingstoneana, *Engl.*

Victoria Falls, Sep. Engler, 2936.

S. spp.

Between Malindi and Victoria Falls, Galpin, 7056a.

Victoria, Monro, 885.

SERIES PARIETALES.

FAMILY CLXXXII.—OCHNACEAE, *DC.*

5112—**Ochna Antunesii**, *Engl. & Gilg.*

Victoria Falls, Sep. Gibbs, 305; Allen, 50; Rogers, 5301, 5302,
7450, 7459.

O. chirindica, *Baker f.*

Journ. Linn. Soc. Bot. xl. 37.

Chirinda Forest, 3700 ft. Oct. Swyn. 106, leaf in May.

O. leptoclada, *Oliv.*

Fl. Trop. Afr. i. 318.

Chikore Hills, 3500 ft. Nov. Swyn. 1356; Mt. Pene, 7000 ft. Oct.
Swyn. 6172.

O. pulchra, *Hook f.*

Fl. Trop. Afr. i. 317; Fl. Cap. i. 449; Cat. Afr. Pl. Welw. i. 121.

Matopos, Davy; North of Bulawayo, Engler; Victoria Falls,
Rogers, 7450.

Genus No.

O. schweinfurthiana, *F. Hoffm.*

Matopos, fl. & fr. Oct. Gibbs, 218.

O. spp.Victoria Falls, Sep. Galpin, 7050; Allen, 172 cf. *O. Antunesii*, Engl. & Gilg.Salisbury, Rand, 1351 cf. *O. humilis*, Engl.

Bulawayo, Eyles, 1184.

Chipete Forest, 3800 ft. Swyn. cf. *O. chirindica*, Bak: f.

Charter, Govt. Herb. 3021.

Mazoe, 4600 ft. Jan. Eyles, 506.

5114—**Brackenridgea zanguebarica**, *Oliv.* (*Pleuroridgea zanguebarica*, Van Tieghem.)

Chirinda, 3600 ft. fr. Dec. Swyn. 189; Chikore, Swyn.

FAMILY CLXXXVII.—GUTTIFERAE, *Juss.*5168—**Hypericum æthiopicum**, *Thunb.*

Fl. Cap. i. 117.

Chirinda, 3800 ft. April, Swyn. 374; May, Swyn. 508; between Umtali and Imyanga Mts. Cecil.

H. Lalandii, *Choisy.*

Fl. Trop. Afr. i. 155; Fl. Cap. i. 118; Cat. Afr. Pl. Welw. i. 56.

Matopos, Gibbs; Rogers, 5175, 5364; Victoria, Monro, 1021;

Mt. Pene, 6000 ft. Oct. Swyn. 6173.

H. lanceolatum, *Lam.*

Fl. Trop. Afr. i. 156; For. Fl. Port. E. Afr. 14.

Melsetter, 6000 ft. Sep. Swyn. 681, 681a; Mt. Pene, 7000 ft. Oct.

Swyn. 6091; between Melsetter and Umvumvumu Riv. Swyn.

5171—**Yismia corymbosa**, *A. Chev.*

Victoria Falls, Rogers, 7245.

5172—**Psorospermum febrifugum**, *Spach.*

Fl. Trop. Afr. i. 158; Cat. Afr. Pl. Welw. i. 57; For. Fl. Port. E. Afr. 14.

Victoria Falls, Rogers, 7259; Chirinda, 3800 ft. Oct. Swyn. 195.

P. sp.

Salisbury, Rand, 1367.

5173—**Haronga madagascariensis**, *Choisy.* (*Harungana paniculata*, Pers.)

Fl. Trop. Afr. i. 160; Cat. Afr. Pl. Welw. i. 58; For. Fl. Port. E. Afr. 14.

Chirinda, 3800 ft. fl. & fr. Feb. Swyn. 161.

Genus No.

5199—**Garcinia Livingstonei**, *T. And.*

Fl. Trop. Afr. i. 165; For. Fl. Port. E. Afr. 15.

Victoria Falls, Galpin, 7024; Davy; Sep. Gibbs, 114; Allen, 190; Rogers, 5316, 7463; Engler.

G. sp.

Chimanimani Mts. Swyn. 574.

FAMILY CLXXXVIII.—DIPTEROCARPACEAE, *Heim.*

5228—**Monotes africanus**, *A.DC.* var. **denudans**, *Hiern.* (*Vatica africana*, Welw. var. *laxa*, Oliv.)

Fl. Trop. Afr. i. 173; Cat. Afr. Pl. Welw. i. 61.

Mazoe, 4300 ft. Jan. Eyles, 242; Salisbury, Rand, 1398.

M. glaber, *Sprague.* (*Vatica africana*, Welw. var. *glabra*, Oliv.)

Kew Bull. 1909, 305; Fl. Trop. Afr. i. 173.

Hunyani Valley, Allen, 734; Salisbury, Rand, 557.

M. hypoleucus, *Gilg.* (*Vatica africana*, Welw. var. *hypoleuca*, Oliv.)

Fl. Trop. Afr. i. 173; Cat. Afr. Pl. Welw. i. 62.

Mazoe, 5000 ft. Dec. Eyles, 211; between Inyamadzi and Buzi, 3400 ft. Dec. Swyn. 157; Upper Buzi, 3000 ft. fr. Oct. Swyn. 1314; Chirinda, Swyn.

M. sp.

Victoria, Monro, 870, cf. *M. Engleri*, Gilg.

FAMILY CLXXXIX.—ELATINACEAE, *Lindl.*

5230—**Bergia decumbens**, *Planch.*

Fl. Trop. Afr. i. 153; Fl. Cap. i. 116.

Bulawayo, Rand, 333 and 337 p.p.; Oct. Eyles, 1092; Monro, 69, 236; Rogers, 5480; Matopos, Sep.–Oct. Gibbs, 30; Engler.

FAMILY CXCVIII.—VIOLACEAE, *DC.*

5262—**Rinorea convallarioides** (*Baker f.*), *Torre & Harms.* (*Alsodeia convallarioides*, Baker f.)

Journ. Linn. Soc. Bot. xl. 21.

Chirinda Forest, Sep. Swyn. 2119; fr. Oct. 2119a; also Swyn. 1110 fr. only taken from same shrub as flowers.

Genus No.

- R. gazensis** (*Baker f.*), *Torre & Harms.* (*Alsodeia gazensis*, Baker f.)
 Journ. Linn. Soc. Bot. xl. 22.
 Chirinda Forest, 3700–4000 ft. Oct. Swyn. 132; fr. Dec. Swyn.
 6500.
- 5271—**Hybanthus enneaspermum** (*Vent.*), *Torre & Harms.* (*Ionidium enneaspermum*, Vent.)
 Fl. Trop. Afr. i. 105.
 Bulawayo, Rand, 58; Monro, 95.
- H. sp.**
 Bulawayo, 4500 ft. Nov. Eyles, 1214.
- 5274—**Viola abyssinica**, *Steud.*
 Fl. Trop. Afr. i. 105.
 Mt. Pene, 7000 ft. Oct. Swyn. 6203.

FAMILY CXCIX.—FLACOURTIACEAE, *Dumort.*

- 5275—**Rawsonia lucida**, *Harv. & Sond.*
 Fl. Cap. i. 67; Nat. Pl. 575; For. Fl. Port. E. Afr. 12; For. Fl.
 Cape, 128.
 Chirinda Forest, 3800 ft. Oct. Swyn. 658.
- 5284—**Oncoba spinosa**, *Forsk.*
 Fl. Trop. Afr. i. 115; Fl. Cap. ii. 583; For. Fl. Port. E. Afr. 12;
 Cat. Afr. Pl. Welw. i. 38.
 Victoria Falls, Sep. Gibbs, 304.
- O. sp.**
 Victoria Falls, Allen, 110 cf. *O. spinosa*, Forsk.
- 5296—**Kiggelaria africana**, *L.*
 Fl. Cap. i. 71; For. Fl. Cape, 128.
 Chimanimani Mts. 7000 ft. Swyn. 2039; Mt. Pene Forest, 6500–
 7000 ft. bud Sep. Swyn. 2040.
- 5299—**Paropsia reticulata**, *Engl.*
 Victoria Falls, Allen, 135; April, Flanagan, 3205; July, Kolbe,
 3133; Rogers, 5629, 7460, 7161.
- 5326—**Neumannia theæformis** (*Benn.*), *Torre & Harms.* (*Aphloia theæformis*, Benn.)
 Chimanimani Mts. 7000 ft. Sep. Swyn. 634; Mt. Pene, 6000–
 6500 ft. Sep. Swyn. 634a; fr. Oct. Swyn. 6168.
- 5327—**Flacourtia hirtiuscula**, *Oliv.*
 Fl. Trop. Afr. i. 121.
 Victoria, Monro, 638.
- F. Ramontchi**, *L'Hér.*
 Fl. Trop. Afr. i. 120; For. Fl. Port. E. Afr. 13.
 Matopos, Engler.

Genus No.

F. spp.

Victoria Falls, Allen, 192.

Victoria, Monro, 527.

Matopos, Rogers, 5895, 5696.

South Rhodesia, Rand, 605.

5328—**Doryalis (Dovyalis) caffra**, *Sim.* (*Aberia caffra*, Hook. f.)

Fl. Cap. ii. 584; For. Fl. Port. E. Afr. 13; For. Fl. Cape, 129;

Harv. Gen. S. A. Pl. 16.

Gwanda, Noble, 45; Victoria, Monro, 472; Lomagundi, Govt.

Herb. 977.

D. macrocalyx, *Warb.* (*Aberia ? macrocalyx*, Oliv.)

Fl. Trop. Afr. i. 122; Cat. Afr. Pl. Welw. i. 40.

Chirinda Forest, 3800–4000 ft. fr. Oct. Swyn. 68.

D. Zeyheri (*Sondl.*), *Torre & Harms.* (*Aberia Zeyheri*, Sond.)

Fl. Cap. i. 70.

Victoria, Monro, 545, 763; Victoria Falls, Rogers, 13057*.

D. sp.

Victoria, Monro, 833.

FAMILY CCI.—TURNERACEAE, *H. B. & K.*

5355—**Wormskioldia lobata**, *Urb.*

Cat. Afr. Pl. Welw. i. 381.

Bulawayo, Dec. Rand, 13; Victoria, Monro, 686, 817, 897; Victoria Falls, Rogers, 5631* 7013*.

W. longepedunculata, *Mast.*

Fl. Trop. Afr. ii. 502.

Matabeleland, Oates; Bulawayo, Dec. Rand, 20 (forma); Nov. Eyles, 24; Salisbury, fl. and fr. Sep. Rand, 613; May, Flanagan, 3254; Matopos, Sep. Gibbs, 48; Victoria Falls, Gibbs; Allen, 95; North of Hartley, Engler; Rusapi, Engler; Mazoe, 4300–4800 ft. Nov. Eyles, 453; Victoria, Monro, 687; Gwelo, Sr. Phil. 24.

W. petersiana ?

South Rhodesia, Rand.

W. tanacetifolia, *Klotzsch.* (? *W. heterophylla*, Schum.)

See note Fl. Trop. Afr. ii. 503.

Victoria, Monro, 1053.

W. sp.

Victoria Falls, Allen, 142.

5356—**Streptopetalum serratum**, *Hochst.*

Bulawayo, Jan. Rand, 68; Victoria Falls, Rogers, 7253.

FAMILY CCIII.—PASSIFLORACEAE, *Lindl.*

Genus No.

5369—**Tryphostemma apetalum**, *Baker f.* var. **serratum**, *Baker f.*

Journ. Bot. 1899, 437.

Salisbury, fl. and fr. Dec. Marshall; April, Flanagan, 3150;
 Rand, 1347; Rogers, 4022; Gwibi Flats, 5000 ft. Sep. Eyles,
 412; Rusapi, Engler; Untali, Engler; Mazoe, 4300 ft. Nov.
 Eyles, 461.

T. Mastersii ?.

South Rhodesia, Rand.

T. parvifolium, *Baker f.*

Journ. Linn. Soc. Bot. xl. 73.

Between Lusitu and Melsetter, 6000 ft. Sep. Swyn. 1415.

T. pedatum, *Baker f.*

Journ. Bot. 1899, 436.

Shasi Riv. Jan. Rand, 67.

T. spp.

Salisbury, Rand, 470.

South Rhodesia, Flanagan, 3159.

5370—**Adenia senensis**, *Engl.*

Salisbury, Rand, 1345, 1346; Bulawayo, Monro, 68.

SERIES OPUNTIALES.

FAMILY CCX.—CACTACEAE, *Lindl.*5416—**Rhipsalis Cassytha**, *Gaertn.* (*Hariota parasitica*, O. Kuntze.)

Fl. Trop. Afr. ii. 581; Fl. Cap. ii. 480; Cat. Afr. Pl. Welw. i. 407;
 Nat. Pl. 394.

Chirinda Forest, 3700–4000 ft. Nov. Swyn. 1086; Chipete, Swyn.

SERIES MYRTIFLORAE.

FAMILY CCXIII.—OLINIACEAE, *C. Presl.*5428—**Olinia vanguerioides**, *Baker f.*

Journ. Linn. Soc. Bot. xl. 72.

Umswirizwi Riv. 3500 ft. Dec. Swyn. 158.

FAMILY CCXIV.—THYMELAEACEAE, *Reichb.*5434—**Peddiea Dregei**, *Meisn.*

Chipete Forest, Jan. Swyn. 123; Mt. Pene, 6500 ft. Swyn. 123a;
 Chirinda Forest, Swyn.

Genus No.

5435—**Gnidia anthylloides?**

Bulawayo, Chubb, 57.

G. Buchananii, *Gilg.*

Fl. Trop. Afr. VI. i. 219.

Nyahodi Riv. 5000 ft. Sep.—Oct. Swyn. 1834, 6136.

G. chrysantha, *Gilg.* (*Arthrosolen chrysantha*, Solms-Laub.)

Fl. Trop. Afr. VI. i. 234.

Between Umtali and Salisbury, Cecil, 55.

G. kraussiana, *Meisn.* (*Lasiosiphon Kraussii*, Meisn.)

Fl. Trop. Afr. VI. i. 231; Nat. Pl. 256; For. Fl. Cape, 302.

Matopos, Oct. Gibbs, 229; Engler; Mazoe, 4300–4800 ft. Aug.

Eyles, 396; Salisbury, Rogers, 4015, 4016; North of Hartley,

Engler; Mt. Pene, 6500–7000 ft. Sept. Swyn. 1787; Bulawayo,

Chubb, 307; Rogers, 5920.

G. microcephala, *Meisn.*

Fl. Trop. Afr. VI. i. 225.

North of Hartley, Engler; Salisbury, Rand., 1373; Victoria,

Monro, 888.

G. microphylla, *Meisn.*

Matopos, 4800 ft. Nov. Eyles, 1186.

G. phyllodinea, *S. Moore.*

Journ. Linn. Soc. Bot. xl. 186.

Melsetter, 6000 ft. April, Swyn. 1833.

G. roridus (*S. Moore*), *Torre & Harms.* (*Lasiosiphon roridus*, *S. Moore.*)

Journ. Linn. Soc. Bot. xl. 187.

Melsetter, 6000 ft. Oct. Swyn. 6134.

G. spp.

Salisbury, Rand., 528, 529, 530; March, Flanagan, 3024; Darling,
in Herb. Bolus 10787.

Bulawayo, Chubb, 385, 366.

South Rhodesia, Rand., 204, 205, 390, 643, 646.

5442—**Synaptolepis longiflora**, *Gilg.*

Fl. Trop. Afr. VI. i. 246.

Chirinda, 3500 ft. Oct. Swyn. 188.

FAMILY CCXVI.—LYTHRACEAE, *Lindl.*

5473—**Rotala cataractae** *Kochne.*

Victoria Falls, Sep. Engler, 2990.

R. filiformis, *Hiern.*

Fl. Trop. Afr. ii. 468; Cat. Afr. Pl. Welw. i. 372.

Victoria Falls, Kirk.

Genus No.

R. heteropetala, *Koehne*, var. **Engleri**, *Koehne*.

Victoria Falls, Sep. Engler, 2983.

R. longistyla, *Gibbs*.

Journ. Linn. Soc. Bot. xxxvii. 445.

Victoria Falls, Sep. Gibbs, 170.

R. spp.

Victoria Falls, 3000 ft. May, Eyles, 124 ; Rogers, 7416.

Victoria, Monro, 1072.

5474—**Ammannia baccifera**, *L.*

Fl. Trop. Afr. ii. 478 ; Cat. Afr. Pl. Welw. i. 374.

Ngomi, April, Flanagan, 3291 ; Victoria Falls, Rogers, 7096*.

A. senegalensis, *Lam.*

Fl. Trop. Afr. ii. 477 ; Cat. Afr. Pl. Welw. i. 373.

Bulawayo, May, Rand, 337, 574 ; Victoria, Monro, 1016, 1093.

A. sp.

Victoria, Monro, 1050.

5476—**Lythrum sagittifolium**, *Sond.*

Fl. Cap. ii. 516.

Bulawayo, 4500 ft. Oct. Eyles, 1070.

5486—**Nesæa erecta**, *G. & P.*

Fl. Trop. Afr. ii. 474.

Victoria Falls, Rogers, 7150*.

N. floribunda, *Sond.*

Fl. Trop. Afr. ii. 474 ; Fl. Cap. ii. 517 ; Cat. Afr. Pl. Welw. i. 376.

Victoria Falls, Galpin, 7032 ; Sep. Gibbs, 164 ; Kirk ; Allen, 38 ;

Rogers, 5237 ; Matopos, Gibbs ; Umtali, Engler ; Gwelo, Sr.

Phil. 29 ; Victoria, Monro, 815 & 348 ?

N. heptamera, *Hiern*.

Fl. Trop. Afr. ii. 472.

Marandellas, Rogers, 4039.

N. mucronata, *Koehne*.

Bulawayo, Chubb, 350, 324.

N. passerinoides, *Koehne*.

Cat. Afr. Pl. Welw. i. 377.

Salisbury, April, Flanagan, 3260.

N. radicans, *Guill. & Perr.*

Fl. Trop. Afr. ii. 474 ; Cat. Afr. Pl. Welw. i. 376.

Victoria Falls, 3000 ft. May, Eyles, 122 (forma) ; Engler ;

Rogers, 5123.

N. rigidula, *Koehne*.

Khami Riv. 4500 ft. Oct. Eyles, 1084.

N. sagittifolia, *Sond.*

Bulawayo, May, Rand, 330.

Genus No.

N. Stuhlmannii, *Koehne*.

Marandellas, Engler.

N. triflora, *H. B. Kunth*.

Salisbury, Sep. Rand, 588.

N. spp.

Gwai, Jan. Allen, 246.

Victoria, Monro, 1049.

Bulawayo, Chubb, 365.

Salisbury, Rand, 1390 cf. *N. linifolia*, Hiern.

FAMILY CCXX.—RHIZOPHORACEAE, *Lindl.*

5528—**Weihea Gerrardi**, *Schinz*.

Mt. Pene Forest, 6500–7000 ft. Sep. Swyn. 1325.

FAMILY CCXXI.—COMBRETACEAE, *R. Br.*

5538—**Combretum abbreviatum**, *Engl.*

Chirinda Forest, Oct. Swyn. 95.

C. apiculatum, *Sond.*

Fl. Trop. Afr. ii. 429 ; Fl. Cap. ii. 510 ; For. Fl. Port. E. Afr. 63.

Bulawayo, Jan. Rand, 33 ; Nyamandhlovu, fr. April, Flanagan,

3195 ; Sabi Riv. 1000 ft. Nov. Swyn. 700 ; Victoria Falls,

Rogers, 5569, 5525 ; Wankie, Rogers, 5992.

var. **parvifolium**, *Baker f.*

Journ. Bot. 1905, 46.

Bulawayo, 4500 ft. Oct. Eyles, 1094.

C. arbuscula, *Engl.*

Bulawayo, Monro, 6 & 84 ; Chirinda, 3700 ft. Oct. Swyn. 43 ;

Inyamadzi Valley, fr. April, Swyn. 43a.

C. atelanthum, *Diels*.

Salisbury, Sep. Engler, 3098.

C. Bragae, *Engl.*

Umtali, Engler.

C. cataractarum, *Diels*.

Victoria Falls, Sep. Engler, 2925 ; Allen, 46 ; Sep. Gibbs, 127 ;

Galpin, 7048 ; Rogers, 5289 ; Wankie, Rogers, 5994.

C. cognatum, *Diels*.

North of Bulawayo, Sep. Engler, 2885.

C. erythrophyllum, *Sond.*

Fl. Cap. ii. 509 ; For. Fl. Cape, 222.

Bulawayo, Monro, 89 ; Nyahodi Riv. 5500 ft. Sep. Swyn. 701.

Genus No.

5538—**C. glomeruliflorum**, *Sond.*

Fl. Cap. ii. 509.

Bulawayo, Rand, 585; Monro, 87, 88; Chubb, 50.

C. Gueinzii, *Sond.*

Fl. Cap. ii. 509.

Khami, Nov. Marloth, 3389; Matopos, Engler; Victoria Falls, Rogers, 5571.

C. hereroense, *Schinz.*

Bulawayo, Engler.

C. holosericeum, *Sond.*

Fl. Trop. Afr. ii. 430; Fl. Cap. ii. 510; Cat. Afr. Pl. Welw. i. 350; For. Fl. Port. E. Afr. 63.

Matabeleland, Oates; Marloth; Mashonaland, Mundy.

C. imberbe, *Wawra.*

South of Zambesi, Engler.

C. Junodii, *Dümmer.*

Victoria, Monro, 481, 508.

C. Lindenbergianum, *Engl. & Diels.*

Victoria, Monro, 499; Mashonaland, Mundy.

C. microphyllum, *Klotzsch.*

Fl. Trop. Afr. ii. 427; For. Fl. Port. E. Afr. 63.

Victoria, Monro, 467; Sabi Riv. 1000 ft. Nov. Swyn. 2083.

C. mossambicense, *Engl.*

Sabi Riv. 1000 ft. Nov. Swyn. 590, 591.

C. oblongum, *F. Hoffm.*

Victoria Falls, Rogers, 5792?

C. patelliforme, *Engl. & Diels.*

Victoria Falls, Rogers, 5589.

C. platypetalum, *Welw. (C. Oatesii, Rolfe.)*

Fl. Trop. Afr. ii. 433; Cat. Afr. Pl. Welw. i. 353.

Matabeleland, Oates; Bulawayo, Sep. Rand, 322; Nov. Eyles, 1109; Salisbury, Sep. Rand, 466; Rogers, 4060; Darling, in Herb. Bolus, 10775; Khami, Nov. Marloth, 3392; Matopos, Sep. Gibbs; Mazoe, 4300 ft. Sep. Eyles, 432; Gwibi Flats, 5000 ft. Oct. Eyles, 441; North of Hartley, Engler; Victoria, Monro, 451, 567, 504, 544; Marandellas, Rogers, 4037.

C. primigenum, *Marloth & Engl.*

Victoria Falls, April, Flanagan, 3227; Rogers, 5702, 5708; Victoria, Monro, 589, 646.

C. rhodesicum, *Baker f.*

Journ. Bot. 1899, 435.

Bulawayo, fl. & fr. Sep. Rand, 582, 583; Rogers, 5924, 5502; Matopos, fl. & fr. Oct. Gibbs, 267; Rogers, 5635; Zambesi

Genus No.

banks, Sep. Galpin, 7013 ; Umtali-Melsetter road, 2000-3000 ft. Oct. Swyn. 6600 ; Victoria Falls, Rogers, 5534, 5353.

C. salicifolium, *El. Mey.*

Fl. Cap. ii. 511 ; For. Fl. Port. E. Afr. 64 ; For. Fl. Cape, 222.

Bulawayo, Monro, 80 ; Victoria, Monro, 208 ; Gwanda, Noble, 50.

C. tetraphyllum, *Diels.*

South of Zambesi, Sep. Engler, 2906.

C. ulugurenses, *Engl.*

Victoria, Monro, 466.

C. Zeyheri, *Sond.*

Fl. Cap. ii. 511 ; For. Fl. Port. E. Afr. 63 ; Cat. Afr. Pl. Welw. i. 352.

Matopos, Oct. Gibbs, 221 ; Mazoe, 4300 ft. Sep. Eyles, 434 ? ; Umvumvumu Riv. 2000 ft. April, Swyn. 2081 ; Victoria, Monro, 509, 564 ; Victoria Falls, Rogers, 5700 ; Bulawayo, Monro, 368, 346 ; Sebakwe, Rogers, 8591 ; Wankie, Rogers, 5990 ; between Bulawayo & Victoria Falls, Galpin ; Queque, Rogers, 5451*.

C. spp.

Bulawayo, Chubb, 339, 372.

Salisbury, Rand, 467.

Victoria, Monro, 302, 475, 535, 650, 698, 699.

Victoria Falls, Gibbs, 127 ; Rogers, 5273, 5305, 5570.

Matopos, Rogers, 5344 ; Govt. Herb. 884.

Gockwe Hills, Govt. Herb. 952, 946.

Lomagundi, Govt. Herb. 963, 969.

Mazoe, Govt. Herb. 2084.

South Rhodesia, Rand, 32, 132, 323, 324, 426, 429, 579, 580, 584, 602.

5539—**Pteleopsis myrtifolia**, *Engl. & Diels.*

Upper Inyamadzi, Dec. Swyn. 48 ; Inyamadzi Valley, 3300 ft. fr. April, Swyn. 2084 ; Chirinda, Swyn. ; Chikore, Swyn.

5541—**Quisqualis indica**, *L.*

Fl. Trop. Afr. ii. 435.

Chirinda, cultivated, Swyn.

5544—**Terminalia Brownii**, *Fresen.*

Fl. Trop. Afr. ii. 415 ; For. Fl. Port. E. Afr. 64.

Bulawayo, Monro, 48.

T. prunioides, *Laws.*

Fl. Trop. Afr. ii. 415 ; For. Fl. Port. E. Afr. 64.

Victoria Falls, Allen, 122.

Genus No.

T. Randii, *Baker f.*

Journ. Bot. 1899, 435.

Bulawayo, fl. & fr. May, Rand, 325; Chubb, 9a; Rogers, 5452;
Nov. Eyles, 1210.**T. sericea**, *Burch.*Fl. Trop. Afr. ii. 416; Fl. Cap. ii. 508; Cat. Afr. Pl. Welw.
i. 338; For. Fl. Port. E. Afr. 64; Harv. Gen. S.A. Pl. 110.Bulawayo, 4500 ft. Eyles, 1221; Engler; Mouro, 105; from
Bulawayo to Victoria Falls, Galpin, 6955; Matopos, Davy;
Engler; Victoria Falls, Davy; Allen, 425; Umtali, Engler;
Gwanda, Noble, 35; Victoria, Monro, 668 var.; Fort Gibbs,
Rand, 600, 601; Gwelo, Rand, 5; Chirinda, Swyn.; Chikore
Hills, Swyn.; Nyahodi Riv. Swyn.var. **angolensis**, *Hiern.*

Cat. Afr. Pl. Welw. i. 338.

Bulawayo, May, Rand, 416.

T. silozensis, *Gibbs.*

Journ. Linn. Soc. Bot. xxxvii. 444.

Matopos, Silozi Hill, fl. & fr. Oct. Gibbs, 277.

T. spinosa, *Engl.*

South of Zambesi, Engler.

T. Stuhlmannii, *Engl.*

Victoria Falls, Allen, 123; Rogers, 5526.

T. torulosa, *F. Hoffm.*

Victoria Falls, Rogers, 5568; Victoria, Monro, 880.

T. trichopoda, *Diels.*

Matopos, Sep. Engler, 2847; Umtali, Engler, 3142.

T. velutina, *Rolfe.*

Bulawayo, Chubb, 105.

T. spp.Victoria Falls, Allen, 63 cf. *T. spinosa*, Engl.; Allen, 163.

Between Plumtree and Bulawayo, fr. April, Flanagan, 3209.

FAMILY CCXXII.—MYRTACEAE, *Pers.*5578—**Eugenia angolensis**, *Engl.*

Chirinda, 3800 ft. Aug. Swyn. 242.

E. chirindensis, *Baker f.*

Journ. Linn. Soc. Bot. xl. 70.

Chirinda Forest, 3700-4000 ft. Dec. Swyn. 128; Oct. Swyn. 443;
Chipete Forest, Oct. Swyn. 1343.

Genus No.

E. cordata, Laws. (*Syzygium cordatum*, Hochst.)

Fl. Trop. Afr. ii. 438; Fl. Cap. ii. 521; For. Fl. Port. E. Afr. 67;
For. Fl. Cape, 226; Cat. Afr. Pl. Welw. i. 360.

Victoria Falls, Allen, 53; Galpin; Engler; Umtali, Engler;
Mazoe, Govt. Herb. 925; North of Sengwe Riv. Govt. Herb.
954; Chirinda, 3800 ft. Oct. Swyn. 25; Haroni Riv. 3500 ft.
Nov. Swyn. 1309; Melsetter Dist. Swyn.

E. owariensis, P. Beauv. (*Syzygium owariense*, Benth.; *Syzygium guineense*, DC.)

Fl. Trop. Afr. ii. 438; For. Fl. Port. E. Afr. 67; Cat. Afr. Pl.
Welw. i. 359.

Salisbury, Aug. Rand, 468; Sep. Rand, 586 (forma); Engler;
Mazoe, 4800 ft. Sep. Eyles, 403; Victoria Falls, Engler;
Galpin, 7022; Allen, 69; Rogers, 6027; Umtali, Engler;
Victoria, Monro, 480; Chirinda, 3500 ft. June, Swyn. 23;
Chimanimani Mts. 7000 ft. Sep. Swyn. 642; Mt. Pene,
6500–7000 ft. Sep. Swyn. 638; Sabi Riv. 1000 ft. Nov.
Swyn. 1311; Chipete Forest, Swyn.

forma **latifolia**, Engl. & Gilg.

Chirinda, 3500 ft. Oct. Swyn. 24; Chikore Hills, Nov. Swyn.
1304.

E. spp.

Victoria Falls, Allen, 56 cf. *E. cordata*, Laws.

Salisbury, Rand, 1366.

Victoria Monro, 547, 759, 764.

Mazoe, Govt. Herb. 926, 927.

5583—**Syzygium benguelense** (Welw.), Engl. (*Eugenia benguelensis*,
Welw.)

Cat. Afr. Pl. Welw. i. 360.

North of Hartley, Engler.

S. huillense (Hiern), Engl. (*Eugenia guineensis*, var. *huillensis*,
Hiern.)

Cat. Afr. Pl. Welw. i. 359.

North of Hartley, Engler; Salisbury, Engler; Marandellas,
Engler.

S. intermedium, Engl.

Victoria Falls, Engler.

FAMILY CCXXIII.—MELASTOMATACEAE, R. Br.

5651—**Antherotoma Naudini**, Hook. f. (*Osbeckia antherotoma*, Naud.)

Fl. Trop. Afr. ii. 444; Cat. Afr. Pl. Welw. i. 363.

Chirinda, 3800 ft. fr. July, Swyn. 516.

Genus No.

5658—**Osbeckia Swynnertonii**, *Baker f.*

Journ. Linn. Soc. Bot. xl. 71.

Chimanimani Mts. 7000 ft. Sep. Swyn. 2085.

5659—**Dissotis debilis**, *Triana*.

Cat. Afr. Pl. Welw. i. 366.

Matopos, 4500 ft. Jan. Eyles, 153.

D. incana, *Triana*.

Mazoe, 4300 ft. Jan. Eyles, 509; Salisbury, Rogers, 4070;

Chirinda, 3800 ft. Dec. Swyn. 296; Odzani River Valley,

Umtali, Teague, 101.

D. phæotricha, *Hook. f.* (*Osbeckia phæotricha*, Hochst.)

Fl. Trop. Afr. ii. 451; Fl. Cap. ii. 519.

Salisbury, Dec. Rand, 76; Matopos, 4500–5000 ft. March, Eyles,
1017; Victoria, Monro, 648, 815.**D. princeps**, *Triana*.

Chirinda, 3800 ft. May, Swyn. 526; Odzani River Valley,

Umtali, Teague, 227.

D. segregata, *Hook. f.*

Fl. Trop. Afr. ii. 448.

Victoria Falls, Allen, 111; Rogers, 5585, 7270.

D. spp.Victoria Falls, April, Flanagan, 3165 cf. *D. segregata*.

Victoria, Monro, 348.

FAMILY CCXXIV.—OENOTHERACEAE, *Lindl.*5791—**Jussieua repens**, *L.* (*J. diffusa*, Forsk.)

Fl. Trop. Afr. ii. 488; Cat. Afr. Pl. Welw. i. 379.

Victoria Falls, Allen, 73; April, Flanagan, 3282; North of
Bulawayo, Engler.**J. suffruticosa**, *L.* (*J. angustifolia*, Lam.; *J. villosa*, Lam.)

Fl. Trop. Afr. ii. 489; Fl. Cap. ii. 504; Cat. Afr. Pl. Welw. i. 380.

Victoria Falls, Allen, 32; May, Eyles, 120; Engler; April, Flana-
gan, 3233; Rogers, 5283; Matopos, Rogers, 5691; Victoria,
Monro, 923.**J. sp.**Victoria, Monro, 872 cf. *J. linifolia*, Vahl.5793—**Ludwigia jussieoides**, *Harv. (non Lam.)*.

Harv. Gen. S.A. Pl. 117.

Victoria Falls, 3000 ft. May, Eyles, 103.

L. pulvinaris, *Gily.*

Victoria Falls, Rogers, 5286.

Genus No.

L. sp.

Victoria Falls, April, Flanagan, 3300 cf. *L. parviflora*, Benth.

5795—**Epilobium neriophyllum**, *Hausskn.*

Odzani River Valley, Umtali, Teague, 323.

E. hirsutum, *L.*

Fl. Trop. Afr. ii. 487 ; Fl. Cap. ii. 506.

Mazoe, 4500 ft. Feb. Eyles, 524.

E. sp.

Matopos, Rogers, 5257.

SERIES UMBELLIFLORAE.

FAMILY CCXXVII.—ARALIACEAE, *Vent.*

5872—**Cussonia natalensis**, *Sond.*

Fl. Cap. ii. 568.

Matopos, fl. & fr. Sep. Gibbs, 107 ; Engler.

C. spicata, *Thunb.*

Fl. Trop. Afr. iii. 32 ; Fl. Cap. ii. 568 ; For. Fl. Port. E. Afr. 70 ;

For. Fl. Cape, 229.

Umtali, Engler ; Chirinda, 3800 ft. Swyn. 159 ; Chimanimani

Mts. 7000 ft. Swyn. 2092 ; Mazoe, Govt. Herb. 2087.

C. umbellifera, *Sond.*

Fl. Cap. ii. 570 ; For. Fl. Cape, 230.

Chimanimani Forest, fr. Sep. Swyn. 653a.

C. sp.

Victoria, Monro, 718.

FAMILY CCXXVIII.—UMBELLIFERAE, *Morison.*

5893—**Hydrocotyle asiatica**, *L.*

Fl. Trop. Afr. iii. 6 ; Fl. Cap. ii. 527 ; Cat. Afr. Pl. Welw. i. 423.

Victoria Falls, Engler.

H. moschata, *Forst.*

Fl. Trop. Afr. iii. 5.

Chirinda Forest, 3800 ft. fr. April, Swyn. 347.

H. sp.

Victoria Falls, Rogers, 5324 cf. *H. verticillata*, Thunb. & *H.*

Bonariensis, Lam.

5918—**Sanicula europæa**, *L.*

Fl. Trop. Afr. iii. 8 ; Fl. Cap. ii. 533.

Chirinda Forest, 3700–4000 ft. April, Swyn. 346.

Genus No.

5922—**Alepidea propinqua**, *Dümmer*.

Trans. R. S. S. Afr. iii. 9; Fl. Trop. Afr. iii. 7, as *A. amatymbica*,
E. & Z.

Chimanimani Mts. 4500 ft. Johnson, 184; Swyn. 6208; Chirinda,
3500 ft. Swyn. 233; Odzani River Valley, Umtali, Teague, 212.

A. Swynnertonii, *Dümmer*.

Trans. R. S. S. Afr. iii. 15.

Chimanimani Mts. 7000 ft. Swyn. 6208a.

5990—**Lichtensteinia** sp.

Bulawayo, 4500 ft. Sep. Eyles, 1251.

5992—**Heteromorpha arborescens**, *Cham. & Schlecht.*

Fl. Trop. Afr. iii. 10; Fl. Cap. ii. 542; For. Fl. Port. E. Afr. 69;
For. Fl. Cape, 229; Harv. Gen. S.A. Pl. 140.

Mazoe, 4400 ft. March, Eyles, 279; Matopos, Rogers; Victoria,
Monro, 778, 895; Chirinda, 4000 ft. fl. & fr. April, Swyn. 182;
Lusitu Riv. 4000 ft. Swyn. 2091.

H. spp.

Victoria, Monro, 320.

South Rhodesia, Rand, 17, 329.

6020—**Carum copticum**, *Benth. & Hook.*

Fl. Trop. Afr. iii. 12.

Salisbury, Govt. Herb. 752.

6038—**Sium** sp.

Mazoe, 4300 ft. Dec. Eyles, 223.

6054—**Diplolophium zambesianum**, *Hiern*.

Fl. Trop. Afr. iii. 18.

Salisbury, Dec. Rand, 71; July, Rand, 473; May, Flanagan,
3247; Mazoe, 4300–4600 ft. March, Eyles, 269?; Bulawayo,
Rogers, 13106*.

6055—**Physotrichia Swynnertonii**, *Baker f.*

Journ. Linn. Soc. Bot. xl. 76.

Melsetter, 6000 ft. fl. and young fr. Sep. Swyn. 649.

6116—**Peucedanum araliaceum**, *Benth. & Hook.*

Fl. Trop. Afr. iii. 21.

South of Zambesi, Engler; Rusapi, Engler; Umtali, Engler.

P. benguellensis (*Welw.*), *Torre & Harms.* (*Lefeburia benguellensis*, *Welw.*)

Cat. Afr. Pl. Welw. i. 430 (*Lefeburia*).

Chirinda, 3800 ft. fr. May, Swyn. 395.

P. fraxinifolium, *Hiern*.

Fl. Trop. Afr. iii. 22; Cat. Afr. Pl. Welw. i. 427.

Matopos, fl. and old fr. Sep. Gibbs, 83; Victoria Falls, Gibbs;
Allen, 407; Bulawayo, Oct.–Dec. Chubb, 318; Victoria,
Monro, 307.

Genus No.

P. spp.

Mazoe, 4800 ft. March, Eyles, 268.

Salisbury, May, Flanagan, 3270. Same as Eyles 268, cf.

Lefeburia abyssinica, Rich.

Victoria, Monro, 436, 524.

FAMILY CCXXIX.—CORNACEAE, *Link.*

6156—**Curtisia faginea**, *Ait.*

Fl. Cap. ii. 570.

Chimanimani Mts. 7000 ft. fl. & fr. Sep. Swyn. 637; Odzani

River Valley, Umtali, Teague, 211.

SUBCLASS METACHLAMYDEAE.

SERIES ERICALES.

FAMILY CCXXXIII.—ERICACEAE, *DC.*

6237—**Erica lanceolifera**, *S. Moore.*

Journ. Linn. Soc. Bot. xl. 126.

Chimanimani Mts. 7000 ft. Sep. Swyn. 1288.

E. pleiotricha, *S. Moore.*

Journ. Linn. Soc. Bot. xl. 127.

Chimanimani Mts. 7000 ft. Sep. Swyn. 648a.

E. Swynnertonii, *S. Moore.*

Journ. Linn. Soc. Bot. xl. 128.

Melsetter, 6000 ft., between Lusitu and Nyahodi Rivs., 5000 ft.,

Chimanimani Mts. 6000 ft. fl. April, Sep. Swyn. 648, 1063,

1064, 1065.

E. thryptomenoides, *S. Moore.*

Journ. Linn. Soc. Bot. xl. 126.

Chimanimani Mts. 7000 ft. Sep. Swyn. 647.

6240—**Philippia hexandra**, *S. Moore.*

Journ. Linn. Soc. Bot. xl. 129.

Melsetter, 5000–6000 ft. Oct. Swyn. 1147; North Melsetter,

Swyn. 6072.

P. milanjiensis, *Britt. & Rendle.*

Mazoe, 5200 ft. April, Eyles, 336; Hunyani Riv. Rand, 501.

Genus No.

P. Simii, *S. Moore*.

Journ. Linn. Soc. Bot. xl. 128.

Melsetter, 6000 ft. Oct. Swyn. 612.

SERIES PRIMULALES.

FAMILY CCXXXVI.—MYRSINACEAE, *Lindl.*6283—**Maesa lanceolata**, *Forsk.* (*M. rufescens*, A. DC.)Fl. Trop. Afr. iii. 492; Fl. Cap. IV. i. 432; For. Fl. Cape, 249;
Cat. Afr. Pl. Welw. i. 637.Mazoe, 4300 ft. Jan. Eyles, 502; April, Eyles, 303; Salisbury,
March, Flanagan, 3020; Chirinda, 3500 ft., North Melsetter,
5000–6000 ft. fl. & fr. April, Sep. Oct. Swyn. 142, 172, 6074;
also Inyamadzi Riv., Chikore Hills and Lusitu Valley, etc.
Swyn.**M. sp.**

Chirinda, Swyn. 669.

6310—**Embelia nyassana**, *Gilg.*

Chirinda, 3700 ft. Swyn. 120.

E. oleifolia, *S. Moore*.

Journ. Bot. 1909, 297.

Bulawayo, Rand, 504; Monro, 31.

E. spp.

Salisbury, Rand, 558.

Victoria, Monro, 419.

6313—**Myrsine africana**, *L.*Fl. Trop. Afr. iii. 493; Fl. Cap. IV. i. 434; Cat. Afr. Pl. Welw. i.
638; For. Fl. Cape, 250.Melsetter, 6000 ft., Mt. Pene, 7000 ft., Chimanimani Mts. 7000 ft.
S.p. Swyn. 633, 6153a, 6154a.6314—**Rapanea umbratilis**, *S. Moore*.

Journ. Linn. Soc. Bot. xl. 130.

Melsetter, 6000 ft. Oct. Swyn. 6163.

FAMILY CCXXXVII.—PRIMULACEAE, *Vent.*6338—**Anagallis Hanningtonii**, *Baker*.

Chipetzana Riv. 3000 ft. fl. & fr. Dec. Swyn. 357.

6340—**Samolus valerandi**, *L.*Fl. Trop. Afr. iii. 490; Fl. Cap. IV. i. 430; Cat. Afr. Pl. Welw. i.
637.

Victoria Falls, Engler; Rogers, 5811.

FAMILY CCXXXVIII.—PLUMBAGINACEAE, *Lindl.*

Genus No.

6343—**Plumbago zeylanica**, *L.*

Fl. Trop. Afr. iii. 486; Fl. Cap. IV. i. 425; Cat. Afr. Pl. Welw. i. 634.

Matopos, Sep. Gibbs, 14; Rogers, 5065; Bulawayo, March, Monro; Rogers, 13610; Chubb, 209, 210; Victoria Falls, April, Flanagan, 3153; Salisbury, Rand, 505.

SERIES EBENALES.

FAMILY CCXXXIX.—SAPOTACEAE, *Dumort.*

6368—**Sideroxylon cinereum** (*Pierre*), *Torre & Harms.* (*Pachystela cinerea*, *Pierre*.)

Inyamadzi Valley, 3000 ft. Swyn. 571a.

6377—**Chrysophyllum argyrophyllum**, *Hiern.*

Cat. Afr. Pl. Welw. i. 641.

Mazoe, 4300 ft. fl. Sep. fr. Nov. Eyles, 378; Chimanimani Mts. 7000 ft. Sep. Nov. Swyn. 22b; also at Mt. Pene Forest and Inyamadzi Riv. Swyn.

C. fulvum, *S. Moore.*

Journ. Linn. Soc. Bot. xl. 131.

Chirinda Forest, 3700–4000 ft. fl. & fr. Dec. Swyn. 19.

C. natalense, *Sond.*

Fl. Cap. IV. i. 437; Nat. Pl. 378; For. Fl. Port. E. Afr. 79; For. Fl. Cape, 252.

Chipete Forest, Dec. Swyn. 21.

6386—**Mimusops decorifolia**, *S. Moore.*

Journ. Bot. 1911, 154.

Victoria, Monro, 811.

M. Kirkii, *Baker.*

Fl. Trop. Afr. iii. 507; For. Fl. Port. E. Afr. 80.

Victoria Falls, Rogers, 5117, 5310, 5672.

M. Mochisia, *Baker.*

Fl. Trop. Afr. iii. 506; For. Fl. Port. E. Afr. 80.

Victoria Falls, Galpin, 7052; Allen, 185.

M. Monroi, *S. Moore.*

Journ. Bot. 1911, 154.

Victoria, Monro, 761, 690.

Genus No.

M. Zeyheri, *Sond.* var. *laurifolia*, *Engl.*

Fl. Cap. IV. i. 441 (type).

Victoria Falls, Galpin, 7044; Engler.

M. sp.

Mazoe, Govt. Herb. 2090.

FAMILY CCXL—EBENACEAE, *Vent.*6403—**Royena hirsuta**, *L.*

Fl. Cap. IV. i. 451; For. Fl. Cape, 258.

Salisbury, Engler.

R. pallens, *Thunb.* (*R. pubescens*, Willd.)

Fl. Trop. Afr. iii. 510; Fl. Cap. IV. i. 453; For. Fl. Cape, 258;

Nat. Pl. 232; Cat. Afr. Pl. Welw. i. 647.

Victoria Falls, Sep. Gibbs, 112; Allen, 177; Engler; Matopos, Gibbs; Bulawayo, 4500 ft. Oct. Eyles, 1091; Monro, 39, 40; 113; Chubb, 378; Rogers, 5501, 13609; Chirinda, 3800 ft. Oct. Swyn. 62; Mt. Pene, 7000 ft. Swyn. 5070; South Rhodesia, Rand, 615.

R. villosa, *L.*

Fl. Cap. IV. i. 450; For. Fl. Cape, 257; Nat. Pl. 201.

Umtali, Engler.

6404—**Euclea divinorum**, *Hiern.*

Fl. Trop. Afr. iii. 513; Fl. Cap. IV. i. 469; For. Fl. Port. E. Afr. 81.

Victoria Falls, Kirk; Matopos, Sep. Gibbs, 34; Galpin, 7078; Gwelo, Sr. Phil. 50.

E. Eylesii, *Hiern.*

Journ. Bot. 1907, 47.

Sebakwe, 4000 ft. Dec. Eyles, 44; Victoria, Monro, 643b.

E. Kellau, *Hochst.*

Fl. Trop. Afr. iii. 514.

Bulawayo, 4500 ft. Nov. Eyles, 1252.

E. lancea, *Thunb.*

Fl. Cap. IV. i. 464; For. Fl. Cape, 260.

Matopos, Engler.

E. lanceolata, *E. Mey.*

Fl. Trop. Afr. iii. 512; Fl. Cap. IV. i. 467; Cat. Afr. Pl. Welw. i. 648; For. Fl. Cape, 261.

Bulawayo, Monro, 42, 43; Victoria, Monro, 517; Matopos, Galpin, 7005; Chirinda, 3500 ft. Swyn. 743; Chipete Forest, Swyn. 1298; Umvumvumu Riv. 2000 ft. Swyn. 1305; in fl. April, Sep. Swyn.; South Rhodesia, Rand, 131, 361.

Genus No.

var. **angustifolia**, *Hiern*.

Mazoe, 5300 ft. ♀ Nov. Eyles, 470.

var. **confertiflora**, *Hiern*.

Mazoe, 4200 ft. ♂ Sep. Eyles, 410.

var. **parvifolia**, *Hiern*.

Mazoe, 5000 ft. ♂ Nov. Eyles, 457.

E. macrophylla, *E. Mey.*

Fl. Cap. IV. i. 472; For. Fl. Cape, 262.

Victoria Falls, Engler.

E. multiflora, *Hiern*.

Fl. Trop. Afr. iii. 513; Fl. Cap. IV. i. 470; Cat. Afr. Pl. Welw. i. 649; For. Fl. Cape, 262.

Matopos, ♂ Sep. Gibbs, 46; Victoria, Monroe, 423, 419; Odzani River Valley, Umtali, Teague, 237 ♂.

E. undulata, *Thunb.*

Fl. Cap. IV. i. 474; For. Fl. Cape, 263.

Matopos, Davy; Lomagundi, Govt. Herb. 973.

E. spp.

Victoria Falls, Allen, 161.

Matopos, Sep. Galpin, 7070 cf. *E. natalensis*, A. DC.

Salisbury, Rand, 563.

Leopard Mine, Govt. Herb. 942.

6405—**Maba Mualala**, *Welw.*

Fl. Trop. Afr. iii. 515.

Chirinda Forest, 3700–4000 ft. Jan. Swyn. 3.

6406—**Diospyros mashuma**?. (NOTE.—Swyn. gives native name of *D. sabiensis*, *Hiern*, as “Mashuma.”)

Matopos, Govt. Herb. 886; Lomagundi, Govt. Herb. 980.

D. mespiliformis, *Hochst.*

Fl. Trop. Afr. iii. 518; Fl. Cap. IV. i. 477; Cat. Afr. Pl. Welw. i. 651; For. Fl. Port. E. Afr. 83.

Victoria Falls, Rogers, 5118; South Umtali, 2000–3000 ft. fr. Oct. Swyn. 6071; Umvumvumu Riv. 4000 ft. Dec. Swyn. 6622; Victoria, Monroe, 391, 713.

D. sabiensis, *Hiern*.

Journ. Linn. Soc. Bot. xl. 134.

Sabi Riv. 1000 ft. Nov. Swyn. 1209.

D. spp.

Gwanda, Noble, 6.

Victoria Falls, Sep. Allen, 395.

Victoria, Monroe, 413.

SERIES CONTORTAE.

FAMILY CCXLIII.—OLEACEAE, *Lindl.*

Genus No.

6422—**Schrebera mazoensis**, *S. Moore*.

Journ. Bot. 1907, 48.

Mazoe, 4300–5300 ft. Dec. Eyles, 202; Marandellas, Mundy.

S. spp.Victoria Falls, Allen, 148 cf. *S. golungensis*, Welw.

Victoria, Monro, 675, 978.

6434—**Olea chrysophylla**, *Lam.*

Fl. Trop. Afr. IV. i. 18.

Victoria, Monro, 367, 744.

O. laurifolia, *Lam.*

Fl. Cap. IV. i. 487; For. Fl. Cape, 264.

Victoria, Monro, 404; Matopos, Govt. Herb. 892.

O. verrucosa, *Link.* (*O. woodiana*, *Knobl.*)

Fl. Cap. IV. i. 486; Nat. Pl. 237; For. Fl. Port. E. Afr. 83;

For. Fl. Cape, 266.

Gwanda, Noble, 7; Matopos, Govt. Herb. 888, 889; Victoria

Falls, Rogers, 5557; Chimanimani Mts. 7000 ft. bud Sep.

Swyn. 1281.

O. sp.

Matopos, Govt. Herb. 893.

6435—**Dekindtia africana**, *Gilg.*

Fl. Trop. Afr. IV. i. 588.

Chirinda, 3800 ft. Oct. Swyn. 171.

6438—**Menodora heterophylla**, *Moric.*

Fl. Cap. IV. i. 484.

South Rhodesia, Rand, 595.

6440—**Jasminum mauritianum**, *Bojer.*Fl. Trop. Afr. IV. i. 10; Fl. Cap. IV. i. 482; Cat. Afr. Pl. Welw.
i. 655.

Victoria Falls, Sep. Galpin, 7020; fl. & fr. Sep. Gibbs, 111;

Allen, 178; Rogers, 5155; Engler; Mazoe, 4200 ft. Jan.

Eyles, 246; Sabi Riv. 1000 ft. Nov. Swyn. 2033.

J. oleæcarpum, *Baker.*

Fl. Trop. Afr. IV. i. 8.

Gwelo, Jan. Gardner, 21.

Genus No.

J. stenolobum, *Rolfe*.

Fl. Trop. Afr. IV. i. 4; Fl. Cap. IV. i. 481.

Matabeleland, Oates; Elliott; Matopos, Cecil, 113; Gwelo, Cecil, 132; Victoria Falls, Allen, 37; Rogers, 5493; Bulawayo, Dec. Gardner, 85; Monro, 4; Mazoe, 4400 ft. Nov. Eyles, 443; Victoria, Monro, 514, 515; Sabi Riv. 1000 ft. Nov. Swyn. 2034; South Rhodesia, Rand, 125.

J. spp.

Bulawayo, 4500 ft. Dec. Eyles, 55.

Victoria, Monro, 746, 836.

FAMILY CCXLV.—LOGANIACEAE, *Lindl.*

6449—**Mostuea Walleri**, *Baker*.

Fl. Trop. Afr. IV. i. 507.

Chirinda Forest, 3800 ft. Dec. Swyn. 6511.

6460—**Strychnos Burtoni**, *Baker*.

Fl. Trop. Afr. IV. i. 533.

Chirinda, Dec. Swyn. 1959; also Chipetzana and between Chirinda and Chipinga, Swyn.

S. matopensis, *S. Moore*.

Journ. Bot. 1905, 48.

Matopos, 4500 ft. Nov. Eyles, 1182.

S. mellodora, *S. Moore*.

Journ. Linn. Soc. Bot. xl. 147.

Chirinda Forest, 3700–4000 ft. Oct. Swyn. 101.

S. micans, *S. Moore*.

Journ. Linn. Soc. Bot. xl. 146.

Chirinda Forest, 3700–4000 ft. Dec. Swyn. 125.

S. mitis, *S. Moore*.

Journ. Linn. Soc. Bot. xl. 146.

Chirinda Forest, 3700–4000 ft. fl. Jan. fr. Oct. Swyn. 17, 17a.

S. pungens, *Solered*.

Fl. Trop. Afr. IV. i. 530; Fl. Cap. IV. i. 1051; Cat. Afr. Pl. Welw. i. 704.

Matopos, Davy; North of Bulawayo, Engler.

S. spinosa, *Lam.*

Fl. Trop. Afr. IV. i. 536; Fl. Cap. IV. i. 1055; Cat. Afr. Pl. Welw. i. 702; For. Fl. Port. E. Afr. 89; For. Fl. Cape, 274.

Chirinda, 3800 ft. Oct. Swyn. 55, 55a; throughout South Melssetter Dist.; South Rhodesia, Rand, 426; Victoria Falls, Rogers, 5976*, 7237*.

Genus No.

S. tonga, *Gilg.*

Salisbury, Engler.

S. sp.

Lomagundi, Govt. Herb. 983.

6466—**Anthocleista zambesiaca**, *Baker.*

Fl. Trop. Afr. IV. i. 540 ; Fl. Cap. IV. i. 1049.

Chirinda, Swyn.

6469—**Nuxia dentata**, *R. Br.*

Fl. Trop. Afr. IV. i. 513 ; Fl. Cap. IV. i. 1040 ; Cat. Afr. Pl. Welw. i. 700.

Odzani Riv. Cecil, 235 ; Lusitu Riv. 3000 ft. Nov. Swyn. 1294 ; Victoria, Monro, 497, 605, 748, 894.

N. Holstii, *Gilg.*

Fl. Trop. Afr. IV. i. 515.

Melsetter, April, Swyn. 1902.

N. sambesina, *Gilg.*

Fl. Trop. Afr. IV. i. 514.

Melsetter, 6000 ft. Sep. Swyn. 606.

N. viscosa, *Gibbs.*

Journ. Linn. Soc. Bot. xxxvii. 454.

Matopos, Oct. Gibbs, 246 ; Victoria, Monro, 435, 735.

6470—**Gomphostigma scoparioides**, *Turez.*

Bulawayo, 4500 ft. Dec. Eyles, 14 ; Tengwe Riv. Baines.

6471—**Chilianthus arboreus**, *A. DC.* (*C. oleaceus*, Burch.)

Fl. Cap. IV. i. 1043 ; For. Fl. Cape, 276.

Bulawayo, 4500 ft. Dec. Eyles, 1138.

6473—**Buddleia salvifolia**, *Lam.*

Fl. Trop. Afr. IV. i. 516 ; Fl. Cap. IV. i. 1046 ; For. Fl. Cape, 277.

Bulawayo, Monro, 77 ; Melsetter, 6000 ft. Sep. Swyn. 609, 675 ;

Mt. Pene, 6500–7000 ft. Oct. Swyn. 6090.

FAMILY CCXLVI.—GENTIANACEAE, *Dumort.*

6479—**Exacum quinquenervium**, *Griseb.*

Fl. Trop. Afr. IV. i. 546.

Victoria Falls, Rogers, 7101.

6481—**Sebæa barbeyiana**, *Schinz.*

Fl. Trop. Afr. IV. i. 549.

Victoria Falls, Kirk ; Allen, 40.

S. leiostyla, *Gilg.*

Fl. Trop. Afr. IV. i. 548 ; Fl. Cap. IV. i. 1086.

Melsetter, 6000 ft. April, Swyn. 1898.

Genus No.

6483—**Exochænium**, in place of *Belmontia*, after A. W. Hill, in Kew Bull. 1908, pp. 317–341.

Exochænium exiguum, A. W. Hill. (*Chironia exigua*, Oliv.)

Kew Bull. 1909, 50.

Matopos, 4500 ft. March, Eyles, 1032.

E. grande, Griseb. (*Belmontia grandis*, E. Mey.; *Parasia grandis*, Hiern.)

Fl. Trop. Afr. IV. i. 553; Fl. Cap. IV. i. 1094; Cat. Afr. Pl. Welw. i. 707; Harv. Gen. S.A. Pl. 252.

Mazoe, 4400 ft. April, Eyles, 319; Chipetzana source, 4000 ft. April, Swyn. 2031.

6500—**Canscora diffusa** (Vahl.), R. Br.

Fl. Trop. Afr. IV. i. 558.

Victoria Falls, Engler.

C. Kirkii, N. E. Br.

Fl. Trop. Afr. IV. i. 558.

Victoria Falls, Kirk; Rogers, 5043; fl. & fr. Sep. Gibbs, 152; Allen, 413; July, Kolbe, 3147; Matopos, Rogers.

6503—**Chironia gratissima**, S. Moore.

Journ. Linn. Soc. Bot. xl. 148.

Melsetter, 6000 ft. Sep. Swyn. 1892; North Melsetter, 5000–6000 ft. Oct. Swyn. 6162.

C. humilis, Gilg.

Fl. Cap. IV. i. 1107.

Matopos, Nov. Eyles, 1143?; Victoria, Monroe, 756?

var. **Wilmsii**, Prain. (*C. humilis*, Bak. & Br.; *C. purpurascens*, Rolfe.)

Fl. Cap. IV. i. 1107; Fl. Trop. Afr. IV. i. 555; see Kew Bull. 1908, pp. 350, 373, 375.

South Rhodesia, Rand, 168; Matabeleland, Oates; Inyanga, 6000–7000 ft. Cecil, 190.

C. transvaalensis, Gilg. (*C. palustris*, Gilg.)

Fl. Trop. Afr. IV. i. 555; Fl. Cap. IV. i. 1105.

Umtali, Cecil, 162; Victoria Falls, Allen, 208; Gwelo, Jan. Gardner, 46; Mazoe, 4400 ft. Feb. Eyles, 527; Victoria, Monroe, 662.

C. spp.

Bulawayo, Eyles, 90.

Gwai, 3000 ft. Jan. Allen, 228.

6512—**Sweertia stellarioides**, Ficalho. (*S. Welwitschii*, Engl.)

Fl. Trop. Afr. IV. i. 581; Fl. Cap. IV. i. 1119; Cat. Afr. Pl. Welw. i. 711.

Salisbury, March, Flanagan, 3019; Melsetter, 6000 ft. April, Swyn, 1919; Odzani River Valley, Umtali, Teague, 99.

Genus No.

6545—**Limnanthemum indicum**, Dur. & De Wild.

Fl. Trop. Afr. IV. i. 587.

South Rhodesia, Rand, 173.

L. thunbergianum, Griseb.

Fl. Trop. Afr. IV. i. 584; Fl. Cap. IV. i. 1120; Nat. Pl. 34.

Victoria Falls, Allen, 82; Upper Umswirizwi, 2600 ft. fl. & fr.

Oct. Swyn. 393.

FAMILY CCXLVII.—APOCYNACEAE, Lindl.

6558—**Acocanthera venenata**, G. Don.

Fl. Trop. Afr. IV. i. 94; Fl. Cap. IV. i. 501; For. Fl. Cape, 270.

Bulawayo, Rand, 572; Matopos, Sep. Galpin, 7076.

6559—**Carissa Arduina**, Lam. (*C. acuminata*, DC.)

Fl. Trop. Afr. IV. i. 91; Fl. Cap. IV. i. 498; Nat. Pl. 203;

For. Fl. Port. E. Afr. 86; For. Fl. Cape, 269.

Bulawayo, Rand, 285; Matopos, Davy; Chirinda Forest, 3700–

4000 ft. Swyn.; Mt. Pene, 7000 ft. Swyn., fl. Sep. Dec. Swyn.

C. edulis, Vahl.

Fl. Trop. Afr. IV. i. 89; For. Fl. Port. E. Afr. 86.

Victoria Falls, Kirk; Davy.

var. **tomentosa**, Stapf. (*C. tomentosa*, A. Rich.)

Fl. Trop. Afr. IV. i. 90; Fl. Cap. IV. i. 497.

Matabeleland, Oates; Bulawayo, Rand, 176; Engler; Khami,

Nov. Marloth, 3393; Matopos, Davy; Engler; Govt. Herb. 885;

Victoria Falls, Davy; Bulawayo, 4500 ft. Sep. Eyles, 23;

Chubb, 314; Rogers, 5509; Mrewa, Govt. Herb. 865;

Chirinda, 3800 ft. Swyn. 70; South Umtali Dist. 2000–3000 ft.

Swyn. 6621, 6623; fl. Oct. Dec. Swyn.; Victoria, Monro, 450.

6562—**Landolphia Buchananii**, Stapf.

Fl. Trop. Afr. IV. i. 35; For. Fl. Port. E. Afr. 85.

Umtali, Engler.

L. Kirkii, Dyer.

Fl. Trop. Afr. IV. i. 55; For. Fl. Port. E. Afr. 85.

Chirinda, 3800 ft. Oct. Dec. Swyn. 81a; South Melssetter, Govt.

Herb. 716.

L. (?) lucida, K. Schum.

Fl. Trop. Afr. IV. i. 59.

Chirinda Forest, 3700 ft. Feb. Swyn. 83.

L. Swynnertonii, S. Moore.

Journ. Linn. Soc. Bot. xl. 136.

Chirinda Forest, 3700–4000 ft. Nov. Swyn. 82; Chipete, Swyn.

Genus No.

L. sp.

Victoria Falls, Engler.

6563—**Clitandra orientalis**, *K. Schum.*

Fl. Trop. Afr. IV. i. 594.

Victoria Falls, Rogers, 7234*, 7491*, 7505*.

6577—**Pleiocarpa Swynnertonii**, *S. Moore.*

Journ. Linn. Soc. Bot. xl. 138.

Chirinda Forest, fl. Sep. fr. Dec. Swyn. 14 & 6503.

6581—**Gonioma Kamassi**, *E. Mey.*

Fl. Cap. IV. i. 503; For. Fl. Cape, 272.

Gwanda, Noble, 16; Lomagundi, Govt. Herb. 995.

6582—**Holarrhena febrifuga**, *Klotzsch.*

Fl. Trop. Afr. IV. i. 162.

South Melsetter, Swyn.; Victoria, Monro, 809.

6589—**Diplorrhynchus mossambicensis**, *Benth.*

Fl. Trop. Afr. IV. i. 107; For. Fl. Port. E. Afr. 86.

Matopos, Oct. Gibbs, 273; Govt. Herb. 890; Engler; Chikore Hills, fr. April, Swyn.; Umswirizwi Riv. Swyn.; Victoria Falls, Rogers, 7221*.

6597—**Lochnera rosea**, *Reichb.* (*Vinca rosea*, L.)

Fl. Trop. Afr. IV. i. 118; Fl. Cap. IV. i. 504.

Salisbury, Darling.

6605—**Conopharyngia elegans**, *Stapf.*

Fl. Trop. Afr. IV. i. 149; Fl. Cap. IV. i. 506; For. Fl. Port. E. Afr. 87.

Chikore Hills, Swyn.

C. stapfiana, *Stapf.*

Fl. Trop. Afr. IV. i. 147.

Mt. Pene, 7000 ft., Oct. Swyn. 6148, 560.

C. usambarensis, *Stapf.*

Fl. Trop. Afr. IV. i. 148.

Chirinda Forest, 3700–4000 ft. fl. & young fr. Oct. Swyn. 37 & 37a.

6619—**Rauwolfia caffra**, *Sond.*

Fl. Trop. Afr. IV. i. 110; Fl. Cap. IV. i. 502.

Bulawayo, Govt. Herb. 1081; Mashonaland, Govt. Herb. 1000.

R. inebrians, *K. Schum.*

Fl. Trop. Afr. IV. i. 112.

Chirinda Forest, 3700–4000 ft.; Sep. Nov. Swyn. 6; Inyamadzi Valley, 3000 ft. Swyn. 602; Melsetter, 5000 ft. Swyn.; Mt. Pene Forest, Swyn.

R. sp.

Victoria Falls, Engler.

Genus No.

6632—**Thevetia nerifolia**?

Matopos, Govt. Herb. 898 (cultivated).

6680—**Adenium multiflorum**, *Klotzsch*.

Fl. Trop. Afr. IV. i. 229; Fl. Cap. IV. i. 514; For. Fl. Port.

E. Afr. 89.

Sabi Riv. 1000 ft. fr. Nov. Swyn. 557.

6686—**Oncinotis chirindica**, *S. Moore*.

Journ. Linn. Soc. Bot. xl. 141.

Chirinda Forest, 3700–4000 fl. & fr. Oct. Swyn. 87; Chipete, Swyn.

FAMILY CCXLVIII.—ASCLEPIADACEAE, *Lindl.*6688—**Strophantus** sp.Wankie, Rogers, 58370 (near *S. arnoldianus*, Wildern & Dur.)6729—**Chlorocodon Whytei**, *Hook. f.*

Fl. Trop. Afr. IV. i. 255; Fl. Cap. IV. i. 542; Cat. Afr. Pl.

Welw. i. 680; Nat. Pl. 31.

Mazoe, 4300 ft. Dec. Eyles, 204; Victoria Falls, Allen, 259.

6730—**Tacazzea Kirkii**, *N. E. Br.*

Fl. Trop. Afr. IV. i. 268; Fl. Cap. IV. i. 540.

Victoria Falls, Allen, 252, 283; Rogers, 5091, 5566, 7403;

Victoria, Monro, 1099, 797.

6740—**Cryptolepsis oblongifolia**, *Schlechter*. (*Ectadiopsis oblongifolia*, Benth.)

Fl. Trop. Afr. IV. i. 249; Fl. Cap. IV. i. 529; Nat. Pl. 513.

Mazoe, 5000–5300 ft. Nov. Eyles, 469; Bulawayo, Monro, 109;

Victoria, Monro, 752; Chirinda, fl. & fr. Oct. Swyn. 243.

C. producta, *N. E. Br.*

Fl. Trop. Afr. IV. i. 247.

Gwai Forest, 3600 ft. Allen, 239; Salisbury, Rand, 1368.

C. transvaalensis, *Schlechter*.

Fl. Cap. IV. i. 528.

Victoria, Monro, 812.

6747—**Raphiacme lanceolata**, *Schinz*, var. **latifolia**, *N. E. Br.*Fl. Trop. Afr. IV. i. 274 (*Raphionacme*).

Bulawayo, Rand, 284; Monro, 94.

R. longifolia, *N. E. Br.*

Fl. Trop. Afr. IV. i. 274.

Mazoe, 5300 ft. Nov. Eyles, 468.

R. procumbens, *Schlechter*.

Fl. Cap. IV. i. 535.

Bulawayo, Monro, 111.

Genus No.

R. spp.

Gwelo, Jan. Gardner, 13.

Bulawayo, Monro, 100.

6777—**Xysmalobium bellum**, *N. E. Br.*

Fl. Trop. Afr. IV. i. 311.

Mazoe, 4800 ft. Dec. Eyles, 492.

X. Cecilae, *N. E. Br.*

Fl. Trop. Afr. IV. i. 310.

Salisbury, Cecil, 60; Rand, 1358; Victoria, Monro.

X. dispar, *N. E. Br.*

Fl. Trop. Afr. IV. i. 307.

Mazoe, 4400 ft. Feb. Eyles, 529.

X. gramineum, *S. Moore.*

Fl. Trop. Afr. IV. i. 302.

Bulawayo, Rand, 193.

X. reticulatum, *N. E. Br.*

Fl. Trop. Afr. IV. i. 303.

Mazoe, 4200 ft. Nov. Eyles, 467; between Umtali and Salisbury,

Cecil, 51; between Enkeldoorn and Rocky Spruit, Cecil, 135;

Malindi, Gwai Forest, Allen, 227; Chirinda, 3800 ft. Oct.

Swyn. 247; Victoria, Monro, 628.

X. sp.

Bulawayo, Chubb, 7a, cf. *X. decipiens*, *N. E. Br.*

6778—**Schizoglossum aciculare**, *N. E. Br.*

Fl. Trop. Afr. IV. i. 363; Fl. Cap. IV. i. 620.

Salisbury, Rand, 1359.

S. biflorum, *Schlechter.*

Fl. Cap. IV. i. 641.

Victoria, Monro, 657.

var. **gwelense**, *N. E. Br.* (*S. gwelense*, *N. E. Br.*)

Fl. Cap. IV. i. 642; Fl. Trop. Afr. IV. i. 360.

Gwelo, Cecil, 131; Salisbury, Rand, 190, 1354.

S. Carsoni, *N. E. Br.*

Fl. Trop. Afr. IV. i. 366.

Between Umtali and Salisbury, Cecil, 48; Selukwe, Cecil, 48a;

Salisbury, Darling; Rand, 1361; Mazoe, 4800 ft.

Dec. Eyles, 216.

S. chirindense, *S. Moore.*

Journ. Bot. 1908, 295.

Chirinda, 3800 ft. Swyn. 246, Mt. Pene, 7000 ft. in fl. Sep. Oct.

Swyn. 246, 6095.

Genus No.

- S. Eylesii**, *S. Moore*.
Journ. Bot. 1914, 149.
Mazoe, 4800 ft. Jan. Eyles, 500.
- S. Pentheri**, *Schlechter*.
Eyles, 1116.
- S. strictissimum**, *S. Moore*.
Fl. Trop. Afr. IV. i. 358.
Bulawayo, Rand, 195; Victoria, Monro, 842.
- 6780—**Kanahia glaberrima**, *N. E. Br.*
Fl. Trop. Afr. IV. i. 297.
Shashi Riv. Baines.
- K. Monroi**, *Moore*.
Journ. Bot. 1911, 156.
Victoria, Monro, 1100.
- 6781—**Margaretta Holstii**, *K. Schum.*
Fl. Trop. Afr. IV. i. 374.
Victoria Falls, Allen, 194.
- M. Whytei**, *K. Schum.*
Fl. Trop. Afr. IV. i. 374.
Salisbury, Rand, 124, 547, 632; March, Flanagan, 2999; Darling
in Herb. Bolus 11192; Rand, 1360; Rogers, 4008; Mazoe,
4300 ft. Sep. Eyles, 428; Chirinda, 3800 ft. Oct. Swyn.
1912.
- 6783—**Cordylogyne kassnerianum** (*Schlechter*), *Torre & Harms.* (*Periglossum kassnerianum*, *Schlechter*.)
Fl. Cap. IV. i. 584.
Victoria, Monro, 624.
- C. mossambicense** (*Schlechter*), *Torre & Harms.* (*Periglossum mossambicense*, *Schlechter*.)
Fl. Cap. IV. i. 583.
Salisbury, Rand, 1355.
- 6787—**Gomphocarpus concolor**, *Decne.* (*Pachycarpus concolor*, *E. Mey.*)
Fl. Trop. Afr. IV. i. 377; Fl. Cap. IV. i. 729.
Bulawayo, Rand, 187; Rogers, 5930; Salisbury, Rand, 1356.
- 6791—**Asclepias aurea**, *Schlechter*. (*Gomphocarpus aureus*, *Schltr.*)
Fl. Trop. Afr. IV. i. 345; Fl. Cap. IV. i. 685.
Salisbury, Rand, 638; Cecil, 144; Gwelo, Rand, 188; Matopos,
5000 ft. Nov. Eyles, 1152; Victoria, Monro, 313.
- A. densiflora**, *N. E. Br.*
Fl. Trop. Afr. IV. i. 320; Fl. Cap. IV. i. 705.
Between Salisbury and Bulawayo, Cecil, 78.

Genus No.

6791—**A. eminens**, *Schlechter*.

Fl. Trop. Afr. IV. i. 351; Fl. Cap. IV. i. 685.

Between Enkeldoorn and Rocky Spruit, Cecil, 134; Bulawayo, Rand, 183, 189; Gwelo, Jan. Gardner, 52; Mazoe, 4200 ft. Nov. Eyles, 460; Victoria, Monro, 618.

A. Engleri, *Schlechter*.

Umtali, Engler.

A. fallax, *Schlechter*.

Fl. Cap. IV. i. 706.

Salisbury, Rand, 1352; Bulawayo, Monro, 19.

A. fruticosa, *L.* (*Gomphocarpus fruticosus*, R. Br.)

Fl. Trop. Afr. IV. i. 330; Fl. Cap. IV. i. 691.

Shangani Riv. Rand, 191; Shashi Riv. Baines; Matopos, fl. & fr. Oct. Gibbs, 103; Victoria Falls, Allen, 275; Salisbury, Govt. Herb. 921; Victoria, Monro, 913.

A. fulva, *N. E. Br.*

Fl. Trop. Afr. IV. i. 321.

Chirinda, 3600 ft. Jan. Swyn. 1914.

A. glaucophylla, *Schlechter*. (*Gomphocarpus glaucophyllus*, *Schlechter*.)

Fl. Trop. Afr. IV. i. 321; Fl. Cap. IV. i. 696.

Salisbury, Cecil, 57; Rand, 185, 1357; Charter, Govt. Herb. 3023.

A. lineolata, *Schlechter*. (*Gomphocarpus lineolatus*, *Decne.*)

Fl. Trop. Afr. IV. i. 322.

Bulawayo, Rand, 184; Salisbury, Rand, 1353; Cecil, 66; Sebakwe, 4000 ft. Dec. Eyles, 166; Victoria Falls, Allen, 86; Upper Buzi, 3200 ft. Nov. Swyn. 245.

A. palustris, *Schlechter*.

Fl. Trop. Afr. IV. i. 349.

Mazoe, 4300–4800 ft. Nov. Eyles, 448.

A. physocarpa, *Schlechter*. (*Gomphocarpus physocarpus*, *E. Mey.*)

Fl. Trop. Afr. IV. i. 328; Fl. Cap. IV. i. 692; Nat. Pl. 217.

Eyles, 1129.

A. Randii, *S. Moore*.

Fl. Trop. Afr. IV. i. 351.

Salisbury, Rand, 194.

A. reflexa, *Britten & Rendle*.

North of Umtali, Cecil, 160; Sebakwe, 4000 ft. Dec.

Eyles, 169.

A. scabrifolia, *S. Moore*.

Journ. Bot. 1908, 297.

Chimanmani Mts. 7000 ft. Swyn. 1915; Mt. Pene, 7000 ft.

Swyn. 6094, 6140, fl. Sep. Oct. Swyn.

Genus No.

A. Swynnertonii, *S. Moore*.

Journ. Linn. Soc. Bot. xl. 142.

Mt. Pene, 7000 ft. Oct. Swyn. 6092; Melsetter, 6000 ft. Swyn. 6093.

A. tenuifolia, *N. E. Br.*

Fl. Trop. Afr. IV. i. 337.

Mangwe, Baines; Matopos, 5000 ft. March, Eyles, 1011; Sep. Gibbs, 100; March, Flanagan, 2989; Victoria, Monro, 422, 754, 1065; South Rhodesia, Rand, 192.

A. spp.

Salisbury, Darling in Herb. Bolus, 10796.

Matopos, Eyles, 1156.

6810—**Pentarrhinum insipidum**, *E. Mey.*

Fl. Trop. Afr. IV. i. 378; Fl. Cap. IV. i. 741; Nat. Pl. 517;

Cat. Afr. Pl. Welw. i. 687.

Bulawayo, 4500 ft. Feb. Eyles, 106.

6834—**Cynanchum chirindense**, *S. Moore*.

Journ. Bot. 1908, 305.

Chirinda Forest, 3900 ft. Feb. Swyn. 137.

C. præcox, *Schlechter*.

Fl. Trop. Afr. IV. i. 399.

Mazoe, Rand, 512.

C. sp.

South Rhodesia, Rand, 362.

6849—**Sarcostemma viminale**, *R. Br.*

Fl. Trop. Afr. IV. i. 384; Fl. Cap. IV. i. 755; Cat. Afr. Pl. Welw. i. 689.

Matopos, Cecil, 106; Oct. Gibbs, 239; Engler; Nov. Eyles, 1155?; Bulawayo, Rand, 363; Chubb, 1a.

6860—**Secamone Alpini**, *Schult.*

Fl. Trop. Afr. IV. i. 279; Fl. Cap. IV. i. 544.

Chirinda, 3700–4000 ft. Dec. Swyn. 88; Bulawayo, Rogers, 13576*.

6862—**Oranthera jasminiflora**, *N. E. Br.*

Fl. Trop. Afr. IV. i. 434.

Victoria Falls, Rogers, 7468*.

6865—**Macropetalum Burchellii**, *Decne.*

Fl. Cap. IV. i. 798; Harv. Gen. S.A. Pl. 241.

Fig-tree, 4500 ft. Dec. Eyles, 155.

6870—**Brachystelma Barberiae**, *Harv.*

Fl. Cap. IV. i. 864; Nat. Pl. 587.

Bulawayo, March, Monro.

Genus No

- 6874—**Ceropegia abyssinica**, *Decne.*
 Fl. Trop. Afr. IV. i. 462.
 Salisbury, Rand, 1400.
- C. hispidipes**, *S. Moore.*
 Journ. Bot. 1908, 309.
 Chirinda, 3800 ft. Feb. Swyn. 1137.
- C. mazoensis**, *S. Moore.*
 Journ. Bot. 1908, 309.
 Mazoe, 4700 ft. Jan. Eyles, 518.
- C. tentaculata**, *N. E. Br.*
 Fl. Trop. Afr. IV. i. 443; Cat. Afr. Pl. Welw. i. 694.
 Victoria, Monro, 834, 889.
- C. sp.**
 Salisbury, Rand, 1399.
- 6875—**Riocreuxia profusa**, *N. E. Br.*
 Fl. Trop. Afr. IV. i. 465.
 Chikore Hills, 3500 ft. April, Swyn. 205.
- 6880—**Decabelone elegans**, *Decne.* (*Tavaresia angolensis*, Welw.)
 Fl. Trop. Afr. IV. i. 493; Cat. Afr. Pl. Welw. i. 697.
 South Rhodesia, Rand, 286.
- 6884—**Caralluma lateritia**, *N. E. Br.*
 Fl. Trop. Afr. IV. i. 486.
 Bulawayo, 4500 ft. Feb. Eyles, 22.
- 6885—**Stapelia gigantea**, *N. E. Br.*
 Fl. Trop. Afr. IV. i. 501; Fl. Cap. IV. i. 948; Nat. Pl. 531.
 Bulawayo, Monro.
- S. Marlothii**, *N. E. Br.*
 Kew Bull. 1908, 436.
 Matopos, Marloth, 3414.
- 6887—**Heurnia sp.**
 Salisbury, Darling in Herb. Bolus 10767.
- 6891—**Gymnema sylvestre**, *R. Br.*
 Fl. Trop. Afr. IV. i. 413; Fl. Cap. IV. i. 782.
 Victoria Falls, Rogers, 5731.
- 6911—**Marsdenia zambesiaca**, *Schlechter.*
 Fl. Trop. Afr. IV. i. 420.
 Victoria Falls, Allen, 84.
- 6911a—**Swynnertonia cardinea**, *S. Moore.*
 Journ. Bot. 1908, 308.
 Chirinda Forest, 3700–4000 ft. Oct. Dec. Swyn. 1080, 6518.
- 6924—**Fockea Monroi**, *S. Moore.*
 Journ. Bot. 1914, 149.
 Victoria, Monro, 828, 837.

SERIES TUBIFLORAE.

FAMILY CCXLIX.—CONVOLVULACEAE, Vent.

Genus No.

6968—**Cuscuta kilimanjari**, *Oliv.*

Fl. Trop. Afr. IV. ii. 205.

Chirinda, 3800 ft. May, Swyn. 453, on *Mellera lobulata*,
S. Moore.**C. obtusiflora**, var. **cordofana**, *Engelm.*

Fl. Trop. Afr. IV. ii. 204.

Mazoe, 4300 ft. April, Eyles, 352; Govt. Herb. 2081.

C. planiflora, *Ten.*

Fl. Trop. Afr. IV. ii. 203; Cat. Afr. Pl. Welw. i. 743.

Mazoe, 5000 ft. April, Eyles, 327.

6973—**Evolvulus alsinoides**, *L.*Fl. Trop. Afr. IV. ii. 67; Fl. Cap. IV. ii. 79; Cat. Afr. Pl.
Welw. i. 724.Matabeleland, Oates; Elliott; Cecil, 116; Rand, 127; Victoria
Falls, Allen, 124; April, Planagan, 3156; Bulawayo, Dec.
Gardner, 90; Rogers, 5758; Odzani River Valley, Teague, 262.**E. spp.**

Bulawayo, 4500 ft. Jan. Eyles, 1.

6978—**Seddera capensis**, *Hallier f.* (*Breweria capensis*, Baker.)

Fl. Trop. Afr. IV. ii. 77; Fl. Cap. IV. ii. 80.

Salisbury, Rand, 126; Matabeleland, Gardner.

6991—**Jacquemontia capitata**, *G. Don.*Fl. Trop. Afr. IV. ii. 85; Fl. Cap. IV. ii. 69; Nat. Pl. 13; Cat.
Afr. Pl. Welw. i. 725.

Wankie, 2500 ft. May, Eyles, 129; Victoria Falls, Rogers, 7004.

6993—**Convolvulus Randii**, *Rendle.*

Fl. Trop. Afr. IV. ii. 94.

Gwelo, Rand, 274.

C. sagittatus, var. **abyssinica**, *Hallier f.*

Fl. Trop. Afr. IV. ii. 96.

Salisbury, Rand, 510; Cecil, 74; Chirinda, 3500 ft. June, Swyn.
1798.**C. ulosepalus**, *Hallier f.*

Fl. Trop. Afr. IV. ii. 95; Fl. Cap. IV. ii. 73.

Salisbury, Engler.

C. sp.

Mazoe, 5000 ft. Nov. Eyles, 1106.

Genus No.

6995—**Hewittia bicolor**, Wight. (*Shuterea bicolor*, Choisy.)

Fl. Cap. IV. ii. 68; Cat. Afr. Pl. Welw. i. 727; Nat. Pl. 281.

Chirinda, 3700–4000 ft. June, Swyn. 1187.

6997—**Merremia angustifolia**, Hallier f. (*Ipomœa angustifolia*, Jacq.)

Fl. Trop. Afr. IV. ii. 111; Fl. Cap. IV. ii. 54; Cat. Afr. Pl. Welw. i. 729.

Matopos, Oct. Gibbs, 228; Victoria Falls, Allen, 285; April, Flanagan, 3170; Rogers, 5532; Bulawayo, Rand, 130.

M. palmata, Hallier f.

Fl. Trop. Afr. IV. ii. 108.

Bulawayo, Rand, 128, 129, 364; Rogers, 5753.

M. pinnata, Hallier f.

Fl. Trop. Afr. IV. ii. 113.

Mazoe, April, Eyles, 313; Victoria Falls, April, Flanagan, 3239.

M. pterygocaulos, Hallier f. (*Ipomœa pterygocaulos*, Choisy.)

Fl. Trop. Afr. IV. ii. 105; Cat. Afr. Pl. Welw. i. 727.

Victoria Falls, Allen, 39; Rogers, 5006*; Engler; July, Kolbe, 3185; Rogers, 5355.

7000—**Astrochläna malvacea**, Hallier f.

Fl. Trop. Afr. IV. ii. 121; Fl. Cap. IV. ii. 69.

North of Hartley, Engler; Salisbury, Engler; Mazoe, 4300–4800 ft. Nov. Eyles, 454; Chirinda, 3800 ft. Sep. Swyn. 300; Victoria, Monro, 1014, 566b.

var. **epedunculata**, Rendle.

Fl. Trop. Afr. IV. ii. 122.

Salisbury, Rand, 511; Matopos, Oct. Gibbs, 84; South Umtali Dist. Melseetter Road, 2000–3000 ft. Oct. Swyn.

A. Stuhlmanni, Hallier f.

Fl. Trop. Afr. IV. ii. 122.

Umtali, Cecil, 35.

7003—**Ipomœa aquatica**, Forsk. (*I. reptans*, Poir.)

Fl. Trop. Afr. IV. ii. 170; Cat. Afr. Pl. Welw. i. 738.

Bulawayo, Jan. Gardner, 86.

I. blepharophylla, Hallier f.

Fl. Trop. Afr. IV. ii. 141; Cat. Afr. Pl. Welw. i. 732.

Victoria Falls, Allen, 1114; North of Hartley, Engler.

I. bolusiana, Schinz. (*I. angustisecta*, Engl.)

Fl. Trop. Afr. IV. ii. 175; Fl. Cap. IV. ii. 49.

Matabeland, Elliott.

I. cardiosepala, Hochst. (*I. calycina*, Benth.)

Fl. Trop. Afr. IV. ii. 147; Fl. Cap. IV. ii. 61; Cat. Afr. Pl. Welw. i. 733.

Bulawayo, Rand, 366; Rogers, 5752.

Genus No.

7003—**I. Cecilae**, *N. E. Br.*

Kew Bull. 1906. 166.

Umtali, Cecil, 36.

I. coscinosperma, *Hochst.* var. **hirta**, *Rich.*

Fl. Trop. Afr. IV. ii. 138 (type).

Bulawayo, Engler.

I. crassipes, *Hook.*

Fl. Cap. IV. ii. 56 ; Cat. Afr. Pl. Welw. i. 732.

Victoria, Monro, 566 ; Rogers, 5755 ?.

var. **cordifolia**, *Rendle.*

Journ. Bot. 1908, 180.

Bulawayo, 4500 ft. Oct. Eyles, 21.

var. **thunbergioides**, *Hallier f.*

Fl. Cap. IV. ii. 56.

Bulawayo, March, Monro.

I. dammarana, *Rendle.*

Fl. Trop. Afr. IV. ii. 183.

Bulawayo, Rand, 273.

I. dissecta, *Willd.*

Fl. Cap. IV. ii. 67 ; Fl. Trop. Afr. IV. ii. 176.

Victoria Falls, Rogers, 7097³, 7129³.**I. eriocarpa**, *R. Br.*

Fl. Trop. Afr. IV. ii. 136 ; Cat. Afr. Pl. Welw. i. 732.

Victoria Falls, April, Flanagan, 3301 ; Rogers, 5031 ; Bulawayo, Monro, 83.

I. fragilis, *Choisy.*

Fl. Trop. Afr. IV. ii. 165.

Bulawayo, Monro, 60.

var. **pubescens**, *Hallier f.*

Fl. Trop. Afr. IV. ii. 165.

Bulawayo, Rand, 603 ; Chubb, 335 ; Salisbury, Cecil, 75 ;

Matabeleland, Oates ; Victoria Falls, Rogers, 7009³.var. **Randii** ?.

Bulawayo, Monro, 58.

I. Holubii, *Baker.*

Fl. Trop. Afr. IV. ii. 188.

Matopos, Rogers, 5647.

I. involucrata, *Beauv.*

Fl. Trop. Afr. IV. ii. 150 ; Cat. Afr. Pl. Welw. i. 735.

Salisbury, Rand, 561.

I. lapathifolia, *Hallier f.*

Fl. Trop. Afr. IV. ii. 168.

Victoria Falls, Rogers, 5007.

Genus No.

7003—**I. lilacina**, *Blume*.

Fl. Trop. Afr. IV. ii. 187 ; Cat. Afr. Pl. Welw. i. 741.

Victoria Falls, 3000 ft. May, Eyles, 140 ; Rogers, 5145.

I. Lugardi, *N. E. Br.* var. **parviflora**, *Rendle*.

Fl. Trop. Afr. IV. ii. 163.

Matabeleland, Elliott.

I. magnusiana, *Schinz*.

Fl. Trop. Afr. IV. ii. 162 ; Fl. Cap. IV. ii. 65.

Bulawayo, Rogers, 5748 ; Victoria Falls, Rogers, 5668*.

I. obscura, *Ker*.

Fl. Trop. Afr. IV. ii. 164 ; Fl. Cap. IV. ii. 62.

Bulawayo, Rand, 604 ; Chubb, 91, 334 ; Matopos, Oct. Gibbs.
248 ; Odzani River Valley, Umtali, Teague, 110.

I. Papilio, *Hallier f.*

Fl. Trop. Afr. IV. ii. 167 ; Fl. Cap. IV. ii. 63.

Bulawayo, Rand, 365 ; Rogers, 5736 ; Matopos, 4500 ft. March,
Eyles, 109 ; North of Hartley, Engler.

I. Pes-tigridis, *L.*

Fl. Trop. Afr. IV. ii. 158 ; Cat. Afr. Pl. Welw. i. 735.

Victoria Falls, Allen, 278.

I. pileata, *Roxb.*

Fl. Cap. IV. ii. 53 ; Fl. Trop. Afr. IV. ii. 151.

Victoria Falls, Rogers, 7086*.

I. pubescens, *Choisy*, var. **pubescens**, *Hallier f.*

North of Hartley, Engler.

I. Randii, *Rendle*.

Fl. Trop. Afr. IV. ii. 146.

Bulawayo, Rand, 271 ; Salisbury, Rand, 1423.

I. rhodesiana, *Rendle*.

Fl. Trop. Afr. IV. ii. 188.

Bulawayo, Rand, 141.

I. shirambensis, *Baker*.

Fl. Trop. Afr. IV. ii. 186.

Victoria Falls, Rogers, 5293 ; Wankie, Rogers, 5995.*

I. shupangensis, *Baker*.

Fl. Trop. Afr. IV. ii. 170.

South of Zambesi, Engler.

I. simplex, var. **obtusisepala**, *Rendle*.

Fl. Trop. Afr. IV. ii. 174.

Salisbury, Rand, 272, 1391 ; Bulawayo, Chubb, 397.

I. stenosphon, *Hallier f.*

Fl. Trop. Afr. IV. ii. 192.

Matopos, 5000 ft. April, Eyles, 58 ; Victoria, Monro, 1037.

Genus No.

- I. verbascoidea**, *Choisy*. (*I. Elliottii*, Baker.)
 Fl. Trop. Afr. IV. ii. 183; Cat. Afr. Pl. Welw. i. 741.
 Matabeleland, Elliott; Gwai Forest, 3600 ft. Allen, 233.
- I. Welwitschii**, *Vatke*.
 Fl. Trop. Afr. IV. ii. 174; Cat. Afr. Pl. Welw. i. 739.
 Chirinda, 3500 ft. Nov. Swyn. 301.
- I. Wightii**, *Choisy*.
 Fl. Trop. Afr. IV. ii. 157; Fl. Cap. IV. ii. 63.
 Bulawayo, Rand, 555; Salisbury, Rogers, 4019; Chirinda,
 3800 ft. April, Swyn. 783; Melsester, 6000 ft. June, Swyn.
 1165; Odzani River Valley, Umtali, Teague, 108.
- I. spp.**
 Victoria Falls, Sep. Galpin, 7012; April, Flanagan, 3293;
 Allen, 49; Rogers, 5232.
 Salisbury, Darling in Herb. Bolus 10784.
 Bulawayo, Monro, 16.
 Gwai, 2400 ft. Allen, 244.
 Matopos, Rogers, 5195.

FAMILY CCLII.—BORAGINACEAE, *Lindl.*

- 7038—**Cordia ovalis**, *R. Br.*
 Fl. Trop. Afr. IV. ii. 15; Cat. Afr. Pl. Welw. i. 713.
 Victoria, Monro, 726.
- C. spp.**
 Matopos, Oct. Gibbs, 199.
 Victoria, Monro, 767, 832, 1019.
- 7043—**Ehretia amœna**, *Klotzsch*. (*E. mossambicensis*, Klotzsch.)
 Fl. Trop. Afr. IV. ii. 24; Fl. Cap. IV. ii. 5.
 Enkeldoorn, Cecil, 89; Bulawayo, Monro, 5; Victoria, Monro,
 730a; South Rhodesia, Rand, 280.
- E. caffra**, *Sond.*
 Matopos, Nov. Marloth, 3381.
- E. divaricata**, *Baker*.
 Fl. Trop. Afr. IV. ii. 26.
 Chirinda Forest, 3700–4000 ft. Sep. Swyn. 8.
- E. Fischeri**, *Gürke*.
 Fl. Trop. Afr. IV. ii. 27.
 Victoria, Monro, 939.
- E. hottentotica**, *Burch.*
 Fl. Cap. IV. ii. 5; For. Fl. Port. E. Afr. 90; For. Fl. Cape, 279.
 Bulawayo, 4500 ft. Oct. Eyles, 1069; Matopos, fl. & fr. Oct.
 Gibbs, 279; South Rhodesia, Rand, 279.

Genus No.

E. sp.

Bulawayo, Chubb, 344.

7051—**Tournefortia sp.**

Bulawayo, 4500 ft. Dec. Eyles, 20.

7052—**Heliotropium marifolium**, *Retz.*

Fl. Trop. Afr. IV. ii. 40.

Victoria Falls, Allen, 289.

H. ovalifolium, *Forsk.*

Fl. Trop. Afr. IV. ii. 34 ; Fl. Cap. IV. ii. 8 ; Cat. Afr. Pl.

Welw. i. 718.

Gwai Forest, 3000 ft. Allen, 248 ; Victoria, Monro, 863.

H. zeylanicum, *Lam.*

Fl. Trop. Afr. IV. ii. 31 ; Cat. Afr. Pl. Welw. i. 720.

South Rhodesia, Rand, 106.

H. sp.

Bulawayo, Jan. Gardner, 19.

7056—**Trichodesma angustifolium**, *Harv.*

Fl. Cap. IV. ii. 11.

South Rhodesia, Rand, 636.

T. physaloides, *A. DC.* (*Borraginoides physaloides*, Hiern.)

Fl. Trop. Afr. IV. ii. 46 ; Fl. Cap. IV. ii. 11 ; Cat. Afr. Pl.

Welw. i. 721.

Matabeleland, Oates ; Elliott ; Mashonaland, Bryce ; Cecil ; Bulawayo, 4500 ft. Sep. Eyles, 1081 ; Matopos, fl. Sep. fr. Oct. Gibbs, 74 ; Galpin, 6994 ; Engler ; Salisbury, Engler ; Darling in Herb. Bolus, 10785 ; Rand, 388, 571 ; Rogers, 4018 ; Marandellas, Engler ; Victoria Falls, Rogers, 5003 ; Umvumvum Riv. Oct. Swyn. 2112 ; Nyahodi Valley, 4000 ft. Swyn. 6003 ; Victoria, Monro, 453, 482, 530, 1023 ; South Rhodesia, Rand, 633, 634, 635 ; Odzani River Valley, Umtali, Teague, 267.

T. zeylanicum, *L. Br.* (*Borraginoides zeylanica*, Hiern.)

Fl. Trop. Afr. IV. ii. 51 ; Cat. Afr. Pl. Welw. i. 720.

Victoria Falls, Rogers, 7216.

7064—**Cynoglossum lanceolatum**, *Forsk.* (*C. micranthum*, Desf.)

Fl. Trop. Afr. IV. ii. 54 ; Fl. Cap. IV. ii. 14 ; Cat. Afr. Pl.

Welw. i. 721.

Mazoe, 4400–4800 ft. Dec. Eyles, 214 ; Odzani River Valley, Umtali, Teague, 114.

7109—**Lithospermum sp.**

South Rhodesia, Rand, 107.

FAMILY CCLIII.—VERBENACEAE, *Juss.*

Genus No.

7138—**Verbena officinalis**, *L.*

Fl. Trop. Afr. v. 286; Fl. Cap. V. i. 209.

Mazoe, 4800 ft. March, Eyles, 297; Salisbury, April, Flanagan, 3261; South Rhodesia, Rand, 105.

7144—**Lantana salvifolia**, *Jacq.*

Fl. Trop. Afr. v. 276; Fl. Cap. V. i. 190; Cat. Afr. Pl. Welw. i. 827.

Bulawayo, 4500 ft. Eyles, 89; Chubb, 316, 367, 380; Dec. Gardner, 66; Rogers, 5914; Mazoe, 4400–4800 ft. Jan. Eyles, 505, 532; Matabeleland, Marloth; Elliott; Untali, Engler; Odzani River Valley, Teague, 3; Victoria Falls, Rogers, 5795; Salisbury, Rogers, 5795, 4069; Melsetter, 6000 ft. April, Swyn.; Chirinda, 3700–4000 ft. Dec. Swyn. 259, 116, 2002; Victoria, Monro, 960; South Rhodesia, Rand, 114.

L. sp.

Salisbury, Rand, 513.

7145—**Lippia asperifolia**, *Rich.*

Fl. Trop. Afr. v. 280; Fl. Cap. V. i. 195.

Matabeleland, Oates; Elliott; Mazoe, 4400 ft. March, Eyles, 278; Matopos, July, Galpin, 6954; Victoria Falls, Rogers; Chirinda, 3800 ft. Melsetter, 6000 ft. April, May, Dec. Swyn. 260, 475, 475a, 1160, 2003; Victoria, Monro, 311; Odzani River Valley, Untali, Teague, 229.

L. Oatesii, *Rolfe.*

Fl. Trop. Afr. v. 279.

Matabeleland, Oates; Nyamandhlovu, April, Flanagan, 3194 (forma); Bulawayo, Oct. Dec. Chubb, 382; Rogers, 5927; South Rhodesia, Rand, 103.

L. Wilmsii, *Pearson.*

Fl. Cap. V. i. 196.

Inyanga Mts. 6000–7000 ft. Cecil, 219; Gwelo, Jan. Gardner, 47; Chirinda, May, Dec. Swyn. 258, 474.

7148—**Bouchea hederacea**, *Sond.*

Fl. Cap. V. i. 200.

Victoria, Monro, 169, 671; Bulawayo, Rogers, 5750.

B. pinnatifida, *Schauer.*

Fl. Cap. V. i. 205.

Bulawayo, 4500 ft. Dec. Eyles, 1142; Oct. Dec. Chubb, 373 p.p. Rogers, 5919; between Plumtree and Bulawayo, April, Flanagan, 3210; South Rhodesia, Rand, 283.

Genus No.

B. Wilmsii, *Gürke*.

Fl. Cap. V. i. 200.

Bulawayo, Monro, 102.

7153—**Priva leptostachya**, *Juss.*

Fl. Trop. Afr. v. 285; Fl. Cap. V. i. 206.

Chirinda, 3800 ft. May, June, Swyn. 269, 517.

P. sp.

Bulawayo, Eyles, 16.

7162—**Duranta Plumieri**, *Jacq.*

Fl. Trop. Afr. v. 287; Fl. Cap. V. i. 210; Harv. Gen. S.A. Pl. 291.

Mazoe, 4200–4500 ft. Nov. Eyles, 193; Dec. Eyles, 213; Govt. Herb. 2083; Matopos, fl. & fr. Oct. Gibbs, 280; Victoria, Monro, 683, 793, 1033.

NOTE.—According to the Floras this is an introduction from Tropical America, but it is so common in kloofs and riverbeds remote from European occupation, that this seems doubtful.

7186—**Vitex Cienkowskii**, *Kot. & Peyr.*

Fl. Trop. Afr. v. 328; Cat. Afr. Pl. Welw. i. 836.

Lusitu Riv. Swyn.

V. Eylesii, *S. Moore*.

Journ. Bot. 1907, 154.

Bulawayo, 4500 ft. Dec. Eyles, 1201; Chirinda, 3500 ft., Chikore Hills, 3500 ft. throughout S. Melssetter Dist. fl. April, Nov. Dec. fr. May, June, Swyn. 34, 34b, 1059.

V. flavescens, *Rolfe*, var. **parviflora**, *Gibbs*.

Journ. Linn. Soc. Bot. xxxvii. 463; Fl. Trop. Afr. v. 321 (type).

Victoria Falls, Sep. Gibbs, 135.

V. gürkeana, *Engl.*

Umtali, Engler.

V. isotjensis, *Gibbs*.

Journ. Linn. Soc. Bot. xxxvii. 463.

Matopos, Isotje Hill, Oct. Gibbs, 236; Victoria, Monro, 803.

V. Kirkii, *Baker*.

Fl. Trop. Afr. v. 321; For. Fl. Port. E. Afr. 94.

Victoria Falls, Allen, 60; Rogers, 5377.

V. sp.

Salisbury, Rand, 553.

7191—**Clerodendron amplifolium**, *S. Moore*.

Journ. Linn. Soc. Bot. xl. 167.

Chirinda Forest, 3700–4000 ft. April, Swyn. 335.

Genus No.

7191—**C. glabrum**, *E. Mey.* (*C. ovale*, Klotzsch.) (*Siphonanthus glabra*, Hiern.)Fl. Trop. Afr. v. 297 & *C. ovale*, p. 298 partly; Fl. Cap. V. i. 219; Cat. Afr. Pl. Welw. i. 842; For. Fl. Port. E. Afr. 91 & 92; For. Fl. Cape, 286; Nat. Pl. 45.

Bulawayo, Monro, 115; Matopos, Engler; Victoria Falls. Rogers, 5561; Allen, 257 (var.).

C. hirsutum, *Pearson*.

Fl. Cap. V. i. 221.

Chimanimani Mts. 7000 ft. Sep. Swyn. 2004; Mt. Pene, 7000 ft. Oct. Swyn. 6086.

C. lanceolatum, *Gürke*.

Fl. Trop. Afr. v. 312; For. Fl. Port. E. Afr. 93.

Victoria Falls, Allen, 99; Mazoe, 4400–4800 ft. Nov. Eyles, 447; Bulawayo, Rogers, 5914, 5378, 5530.

C. myricoides, *R. Br.* (*Siphonanthus myricoides*, Hiern.)

Fl. Trop. Afr. v. 310 & 519; Fl. Cap. V. i. 223; For. Fl. Port. E. Afr. 93; Cat. Afr. Pl. Welw. i. 844; Nat. Pl. 282.

Matopos, Oct. Gibbs, 282; Bulawayo, Oct. Dec. Chubb, 383, 393, 394, 395; Chirinda, 3500 ft. Sep. Dec. Swyn. 173; Mt. Pene, 7000 ft. Swyn. 1296; Haroni Riv. 5000 ft. Swyn. 1297; Victoria, Monro, 734.

var. **cuneatum**, *Pearson*.

Fl. Cap. V. i. 223.

Bulawayo, Monro, 114.

var. **discolor**, *Baker*.

Fl. Trop. Afr. v. 310.

Victoria Falls, Allen, 102; Mazoe, 4800 ft. Nov. Eyles, 458.

C. reflexum, *Pearson*.

Trans. S.A. Phil. Soc. xv. 182.

Bulawayo, 4500 ft. Dec. Eyles, 1006; Victoria Falls, Rogers, 5634.

C. spinescens, *Gürke*.

Fl. Trop. Afr. v. 313; Fl. Cap. V. i. 221.

Victoria Falls, Allen, 402; Rogers, 5329.

C. Swynnertonii, *S. Moore*.

Journ. Linn. Soc. Bot. xl. 166.

Chirinda Forest, 3700–4000 ft. fl. & fr. May, Swyn. 85.

C. sp.

Victoria Falls, Rogers, 5378.

FAMILY CCLIV.—LABIATAE, *B. Juss.*

Genus No.

7213—***Tinnea rhodesiana***, *S. Moore.*

Journ. Bot. 1905, 51.

Matopos, 4500 ft. Jan. Eyles, 159.

T. zambesiaca, *Baker.*

Fl. Trop. Afr. v. 499.

Bulawayo, 4500 ft. March, Eyles, 1063; Victoria, Monro,
747 or 947.

7234—***Scutellaria Livingstonei***, *Baker.*

Fl. Trop. Afr. v. 462.

Mashonaland, Bryce; Salisbury, Sep. Rand, 520; Darling
in Herb. Bolus 11198; North of Hartley, Engler; Mazoe,
4300–4800 ft. Sep. Eyles, 427, 433; Victoria, Monro.

36—***Acrotome* sp.**

Redbank, April, Flanagan, 3188.

7264—***Leonotis Melleri***, *Baker.*

Fl. Trop. Afr. v. 491.

Odzani River Valley, Umtali, Teague, 268.

L. mollissima, *Gürke.*

Fl. Trop. Afr. v. 493.

Chirinda, 3700–4000 ft. June, Swyn. 235; plentiful throughout
Metssetter Dist.

L. nepetifolia, *R. Br.*

Fl. Trop. Afr. v. 491; Cat. Afr. Pl. Welw. i. 879.

Mazoe, 5000 ft. Nov. Eyles, 462; Victoria, Monro, 1063.

L. randii, *S. Moore.*

Journ. Bot. 1900, 465.

Bulawayo, Dec. Rand, 165.

L. spectabilis, *S. Moore.*

Journ. Linn. Soc. Bot. xl. 180.

Chimanimani Mts. Sep. Swyn. 2013.

7268—***Leucas capensis***, *Engl.* (*Lasiocorys capensis*, Benth.)

Fl. Cap. V. i. 373.

Bulawayo, Dec. Rand, 162.

L. martinicensis, *R. Br.*

Fl. Trop. Afr. v. 479; Fl. Cap. V. i. 371; Cat. Afr. Pl. Welw.
i. 876.

Bulawayo, May, Rand, 385; Mazoe, 4800 ft. March, Eyles, 294;
Marandellas, Rogers, 4042.

Genus No.

L. milaniana, *Gürke*.

Fl. Trop. Afr. v. 478.

Mazoe, 4300–4800 ft. Sep. Eyles, 429; Gwelo, Jan. Gardner,
22; Umtali, Engler, Odzani River Valley, Teague, 185;
Chirinda, 3800 ft. April, Swyn. 385.

L. neuflizeana, *Courb.*

Fl. Trop. Afr. v. 480; Fl. Cap. V. i. 372.

Matopos, March, Flanagan, 2960.

L. nyassae, *Gürke*.

Fl. Trop. Afr. v. 485.

Salisbury, May, Flanagan, 3250; Bulawayo, Rogers, 5817².**L. Randii**, *S. Moore*.

Journ. Bot. 1900, 464.

Salisbury, July, Rand, 522.

L. stricta, *Baker*.

Fl. Trop. Afr. v. 484.

Victoria Falls, April, Flanagan, 3152.

L. spp.

South Rhodesia, Rand, 376; Flanagan, 3151.

7281—**Stachys æthiopica**, *L.*

Fl. Trop. Afr. v. 467; Fl. Cap. V. i. 348.

Chimanimani Mts. 7000 ft. Sep. Swyn. 1972.

7283—**Achyropermum Carvalhi**, *Gürke*.

Fl. Trop. Afr. v. 464.

Chirinda Forest, 3700–4000 ft. May, Swyn. 78.

7290—**Salvia runcinata**, *L. f.*

Fl. Cap. V. i. 327.

Bulawayo, Jan. Rand, 134.

S. stenophylla, *Burch.*

Fl. Cap. V. i. 326.

Bulawayo, 4500 ft. Dec. Eyles, 1003.

S. sp.

South Rhodesia, Rand, 142.

7305—**Satureia biflora**, *Briq.* (*Micromeria biflora*, Benth.)

Fl. Trop. Afr. v. 452; Fl. Cap. V. i. 306.

Melsetter, 6000 ft. Sep. Swyn. 1971; Odzani River Valley,
Umtali, Teague, 78.

S. masukensis (*S. Moore*), *Torre & Harms.* (*Calamintha masukensis*, *S. Moore.*) (*Leucas masukensis*, *Baker.*)

Fl. Trop. Afr. v. 476.

Melsetter, 6000 ft. April, Swyn. 1990, 1991.

Genus No.

- 7328—***Mentha longifolia***, *Huds.* (*M. sylvestris*, L.)
 Fl. Trop. Afr. v. 451; Fl. Cap. V. i. 303.
 Salisbury, Dec. Rand, 145; Gwelo, Jan. Gardner, 1; Sr. Phil.
 33; Mazoe, 4400 ft. Feb. Eyles, 528.
- 7342—***Hyptis pectinata***, *Poit.* (*Mesosphaerum pectinatum*, O. Kuntze.)
 Fl. Trop. Afr. v. 448; Fl. Cap. V. i. 297; Cat. Afr. Pl. Welw.
 i. 873.
 Victoria Falls, April, Flanagan, 3277; Rogers, 5025; Victoria,
 Monro, 1054; Odzani River Valley, Umtali, Teague, 270.
- 7345—***Eolanthus crenatus***, *S. Moore.*
 Journ. Bot. 1907, 94.
 Matopos, 5000 ft. March, Eyles, 1013; Victoria, Monro, 749.
- Æ. Rehmannii***, *Gürke.*
 Odzani River Valley, Umtali, Teague, 202.
- Æ. sericeus***, *Gürke.*
 Matopos, 4800 ft. April, Eyles, 42.
- Æ. sp.***
 Matopos, March, Flanagan, 2973.
- 7337—***Pycnostachys remotifolia***, *Baker.*
 Fl. Trop. Afr. v. 381.
 Mazoe, 4300 ft. April, Eyles, 325; Salisbury, May, Flanagan,
 3273.
- P. reticulata***, *Benth.*
 Fl. Trop. Afr. v. 382; Fl. Cap. V. i. 291.
 Upper Buzi, 3500 ft. May, Swyn. 1954.
- P. urticifolia***, *Hook.*
 Fl. Trop. Afr. v. 386; Fl. Cap. V. i. 291.
 Salisbury, July, Rand, 525; May, Flanagan, 3274; Darling, in
 Herb. Bolus, 10786; Chirinda, 3800 ft. May, Swyn. 521;
 Victoria, Monro, 354, 1052.
- 7350—***Plectranthus caudatus***, *S. Moore.*
 Journ. Linn. Soc. Bot. xl. 176.
 Chimanimani Mts. 7000 ft. Sep. Swyn. 2010.
- P. chimanimanensis***, *S. Moore.*
 Journ. Linn. Soc. Bot. xl. 174.
 Chimanimani Mts. 7000 ft. Sep. Swyn. 2019.
- P. esculentus***, *N. E. Br.*
 Fl. Cap. V. i. 285.
 Melsetter, Govt. Herb. 753 (cultivated).
- P. floribundus***, *N. E. Br.*
 Fl. Cap. V. i. 273.
 Salisbury, Aug. Rand, 524; Matopos, Sep. Gibbs, 9; Umtali,
 Engler.

Genus No.

var. **longipes**, *N. E. Br.*

Fl. Trop. Afr. v. 403.

Umzingwane Riv. Baines; Mazoe, 4800 ft. Aug. Eyles, 196;
Chirinda, 3800 ft. Sep. Swyn. 237.**P. grandidentatus**, *Gürke*.

Fl. Cap. V. i. 278.

Odzani River Valley, Umtali, Teague, 148.

P. hoslundioides, *Baker*.

Fl. Trop. Afr. v. 418.

Chirinda, April, Swyn. 445; Chipetzana Riv. 3000 ft. May,
Swyn. 1989.**P. laxiflorus**, *Benth.*

Fl. Cap. V. i. 276.

Chirinda Forest, April, May, Swyn. 341, 467; Odzani River
Valley, Umtali, Teague, 89.**P. marrubioides**, *Hochst.*

Fl. Trop. Afr. v. 414.

Odzani River Valley, Umtali, Teague, 127.

P. matabelensis, *Baker*.

Fl. Trop. Afr. v. 417.

Shashi Riv. Holub, 1403-1406.

P. petrensis, *S. Moore*.

Journ. Linn. Soc. Bot. xl. 175.

Chimanimanani Mts. 7000 ft. Sep. Swyn. 2018.

P. selukwensis, *N. E. Br.*

Kew Bull. 1906, 167.

Selukwe, Cecil, 123; Mazoe, 5200 ft. Dec. Eyles, 200; 5000 ft.
March, Eyles, 251.**P. Swynnertonii**, *S. Moore*.

Journ. Linn. Soc. Bot. xl. 176.

Chirinda Forest, 3700-4000 ft. fl. & fr. Feb. Swyn. 337.

P. spp.Victoria Falls, April, Flanagan, 3237, cf. *P. Whytei*, Baker.

Mazoe, March, Flanagan, 3011.

Selukwe, Jan. Gardner, 53.

Matopos, Rogers, 5254, cf. *P. myrianthus*, Briq.7353—**Englerastrum Schweinfurthii**, *Briq.*

Fl. Trop. Afr. v. 445; Cat. Afr. Pl. Welw. i. 860.

Victoria Falls, 3000 ft. May, Eyles, 111; Allen, 410; Matopos,
Rogers, 5160 (var).7355—**Coleus gazensis**, *S. Moore*.

Journ. Linn. Soc. Bot. xl. 178.

Melsetter, 6000 ft. April, Swyn. 1998.

Genus No.

C. latifolius, *Hochst.*

Fl. Trop. Afr. v. 437.

Mazoe, 4700 ft. March, Eyles, 267.

C. matopensis, *S. Moore.*

Journ. Bot. 1907, 96.

Matopos, 5000 ft. March, Eyles, 1024.

C. palliolatus, *S. Moore.*

Journ. Bot. 1900, 464.

Bulawayo, Jan. Rand, 144.

C. Pentheri, *Gürke.*

Fl. Cap. V. i. 289.

Bulawayo, Rogers, 5933.

C. polyanthus, *S. Moore.*

Journ. Bot. 1907, 96.

Matopos, 5000 ft. March, Eyles, 1012; Mazoe, 5300 ft. April, Eyles, 335.

C. shirensis, *Gürke.*

Fl. Trop. Afr. v. 443.

Umtali, Engler.

C. Swynnertonii, *S. Moore.*

Journ. Linn. Soc. Bot. xl. 177.

Chirinda, 3700–4000 ft. May, Swyn. 349.

C. umbrosus, *Vatke.*

Fl. Trop. Afr. v. 434.

Matopos, 4800 ft. April, Eyles, 54.

7357—**Hoslundia decumbens**, *Benth.* (*H. opposita*, Vahl, var. *decumbens*, Baker.)

Fl. Trop. Afr. v. 377; Fl. Cap. V. i. 298.

Victoria Falls, Rogers, 5420, 5577.

H. verticillata, *Vahl.*

Cat. Afr. Pl. Welw. i. 860.

Bulawayo, Dec. Rand, 163; Umtali, Engler; Chirinda, Nov. Swyn. 386.

7362—**Acrocephalus callianthus**, *Briq.*

Fl. Trop. Afr. v. 360.

Lusitu Riv. 5000 ft. April, Swyn. 1955.

A. chirindensis, *S. Moore.*

Journ. Linn. Soc. Bot. xl. 181.

Chirindia, April, Swyn. 313.

A. picturatus, *S. Moore.*

Journ. Linn. Soc. Bot. xl. 171.

Chirinda, Swyn. 257.

Genus No.

A. sericeus, *Briq.*

Fl. Trop. Afr. v. 362; Cat. Afr. Pl. Welw. i. 887.

Bulawayo, Jan. Rand, 146; Matopos, 4600 ft. April, Eyles, 46;
Victoria, Monro, 357.**A. spp.**Mazoe, 4300 ft. April, Eyles, 324, cf. *A. sericeus*, Briq.

Between Pluintree and Bulawayo, April, Flanagan, 3179.

Salisbury, April, Flanagan, 3264.

7363—**Geniosporum angolense**, *Briq.*

Fl. Trop. Afr. v. 351; Fl. Cap. V. i. 293; Cat. Afr. Pl. Welw. i. 852.

Salisbury, March, Flanagan, 3014; April, Flanagan, 3263.

7364—**Moschosma multiflorum**, *Benth.*

Fl. Trop. Afr. v. 354.

Salisbury, May, Flanagan, 3259?; Odzani River Valley, Umtali,
Teague, 143.**M. riparium**, *Hochst.* (*Iboza riparia*, N. E. Br.; *Basilicum myriostachyum*, O. Kuntze.)Fl. Trop. Afr. v. 354 & 523; Fl. Cap. V. i. 300; Nat. Pl. 1 & 2;
Cat. Afr. Pl. Welw. i. 858; Harv. Gen. S.A. Pl. 303.Matopos, ♂ ♀ Sep. Gibbs, 3 (forma); Salisbury, July, Rand,
526; Mazoe, 4300 ft. ♀ March, Eyles, 290; Bulawayo,
4600 ft. Aug. Eyles, 1234.**M. sp.**

Victoria Falls, Rogers, 5133.

7365—**Hemizygia flabellifolia**, *S. Moore.*

Journ. Linn. Soc. Bot. xl. 173.

Chimanimani Mts. 7000 ft. Sep. Swyn. 1414.

H. ornata, *S. Moore.*

Journ. Linn. Soc. Bot. xl. 172.

Mt. Pene, 6500–7000 ft. Sep. Oct. Swyn. 1999, 6078.

7366—**Ocimum americanum**, *L.* (*O. canum*, Sims.)Fl. Trop. Afr. v. 337 & 521; Fl. Cap. V. i. 235; Cat. Afr. Pl.
Welw. i. 848.Bulawayo, 4500 ft. Nov. Eyles, 1219; Jan. Rand, 164; June,
Rand, 516.**O. angustifolium**, *Benth.* (*Becium angustifolium*, N. E. Br.)

Fl. Cap. V. i. 231.

Bulawayo, Rogers, 5481*.

O. Buchananii, *Baker.*

Fl. Trop. Afr. v. 348.

Salisbury, Rogers, 4010.

Genus No.

O. filamentosum, *Forsk.*

Fl. Trop. Afr. v. 343.

North of Hartley, Engler.

O. knyanum, *Vatke.*

Fl. Trop. Afr. v. 346 ; Cat. Afr. Pl. Welw. i. 850.

Bulawayo, Oct.–Dec. Chubb, 305 ; Chirinda, Feb. May, Nov.

Swyn. 277, 468, 1988.

O. obovatum, *E. Mey.* (*Becium obovatum*, N. E. Br.)

Nat. Pl. 257 ; Fl. Cap. V. i. 230.

Matopos, Oct. Gibbs, 102 ; Salisbury, Sep. Rand, 621 : Darling,
in Herb. Bolus ; Rogers, 4009 ; Odzani River Valley, Umtali,
Teague, 137.

O. odontosepalum, *S. Moore.*

Journ. Linn. Soc. Bot. xl. 170.

Melsetter, 6000 ft. Oct. Swyn. 6087, 6088.

O. Randii, *S. Moore.*

Journ. Bot. 1900, 463.

Salisbury, Sep. Rand, 618.

O. scoparium, *Gürke.*

Fl. Trop. Afr. v. 339.

Salisbury, May, Flanagan, 3267.

O. suave, *Willd.*

Fl. Trop. Afr. v. 338 ; Fl. Cap. V. i. 234 ; Cat. Afr. Pl. Welw.
i. 849 ; Nat. Pl. 325.

Chirinda, 3700–4000 ft. Aug. Swyn. 384, 466.

O. sp.

Allen, Victoria Falls, 195.

7367—**Orthosiphon bracteosus**, *Baker.* (*Ocimum bracteosum*, Benth. ;
Hemizygia bracteosa, Briq.)

Fl. Trop. Afr. v. 375 ; Fl. Cap. V. i. 248.

Mazoe, 4400 ft. Dec. Eyles, 489 ; Gwai, April, Flanagan, 3295 ;
Umtali, Engler ; Odzani River Valley, Teague, 21 ; Salisbury,
Dec. Rand, 166 ; Rogers, 4071 ; Victoria, Monro, 973 ; Chikore
Hills, 3500 ft. March, Swyn. 268 ; Umvumvumu Riv. 4000 ft.
April, Swyn. 1956 ; Victoria Falls, Rogers, 5608 ; Bulawayo,
Rogers, 5482.

O. Elliottii, *Baker.*

Fl. Trop. Afr. v. 376 ; Fl. Cap. V. i. 249.

Bulawayo, Dec. Rand, 167 ; Dec. Gardner 96 : Matabeleland,
Elliott.

O. Kirkii, *Baker.*

Fl. Trop. Afr. v. 376.

Bulawayo, May, Rand, 384 ; Deka, 2400 ft. May, Eyles, 134.

Genus No.

O. linearis, *Benth.*

Fl. Trop. Afr. v. 374.

Matabeleland, Oates; Bulawayo, May, Rand, 386.

O. rhodesianus, *S. Moore.*

Journ. Bot. 1905, 50.

Deka, 2400 ft. May, Eyles, 132.

O. shirensis, *Baker.*

Fl. Trop. Afr. v. 368.

Bulawayo, Jan. Rand, 143; Jan. Gardner, 65; Sebawke, 4000 ft.

Dec. Eyles, 71.

O. teucrifolius, *N. E. Br.* (*Hemizygia teucrifolia*, Briq.)

Fl. Cap. V. i. 254.

Mt. Pene, 7000 ft. Oct. Swyn. 6075.

O. Woodii, *Gürke.*

Mt. Pene, 6500–7000 ft. Sep. Swyn. 1974.

FAMILY CCLVI.—SOLANACEAE, *Hall.***7377—Nicandra physaloides**, *Gartn.* (*Pentagonia physalodes*, Hiern.)

Fl. Cap. IV. ii. 109; Cat. Afr. Pl. Welw. i. 752; Harv. Gen.

S.A. Pl. 257.

Salisbury, Darling, in Herb. Bolus 10795; Odzani River Valley,

Umtali, Teague, 104.

7379—Lycium tetrandrum, *Thunb.* (*L. horridum*, Thunb.)

Fl. Cap. IV. ii. 114.

Salisbury, Rand, 514; South Rhodesia, Rand, 382.

L. persicum, *Miers.* (*L. arabicum*, Schweinf.)

Fl. Trop. Afr. IV. ii. 254.

Bulawayo, 4500 ft. Oct. Eyles, 1073; Monro, 10; Salisbury,

Rand, 515; South Rhodesia, Rand, 147.

7400—Withania somifera, *Dunal.* (*Physaloides somnifera*, Moench.)

Fl. Trop. Afr. IV. ii. 249; Fl. Cap. IV. ii. 107; Cat. Afr. Pl.

Welw. i. 752; Harv. Gen. S.A. Pl. 258.

Bulawayo, 4500 ft. Dec. Eyles, 15; Tati Riv. Holub; Mazoe,

4300 ft. Jan. Eyles, 239; Rusapi, Engler; Matabeleland,
Marloth.**7401—Physalis minima**, *L.*

Fl. Trop. Afr. IV. ii. 247; Fl. Cap. IV. ii. 106; Cat. Afr. Pl.

Welw. i. 750.

Victoria Falls, April, Flanagan, 3305.

Genus No.

P. peruviana, L.

Fl. Trop. Afr. IV. ii. 248; Fl. Cap. IV. ii. 106; Harv. Gen. S.A. Pl. 257.

Mazoe, 4800 ft. Jan. Eyles, 236; Odzani River Valley, Umtali, Teague, 129.

7407—Solanum acanthocalyx, Klotzsch.

Fl. Trop. Afr. IV. ii. 234.

Chirinda Forest, 3700–4000 ft. Nov. Swyn. 93.

S. aculeastrum, Dun.

Fl. Trop. Afr. IV. ii. 243; Fl. Cap. IV. ii. 95; For. Fl. Cape, 278.

Chirinda, cultivated for hedges, Swyn.

S. bifurcum, Hochst.

Fl. Trop. Afr. IV. ii. 213; Fl. Cap. IV. ii. 94; Cat. Afr. Pl. Welw. i. 746.

Chirinda Forest, 3700–4000 ft. Oct. Swyn. 86.

S. incanum, L.

Fl. Trop. Afr. IV. ii. 238; Fl. Cap. IV. ii. 101.

Salisbury, Rogers, 5802.

S. indicum, L.

Fl. Trop. Afr. IV. ii. 232; Fl. Cap. IV. ii. 101; Cat. Afr. Pl. Welw. i. 750.

Chirinda, 3800 ft. fl. Oct. fr. May, Swyn. 388, 482, on cultivated ground.

S. nigrum, L.

Fl. Trop. Afr. IV. ii. 218; Fl. Cap. IV. ii. 89; Cat. Afr. Pl. Welw. i. 745.

Bulawayo, 4500 ft. Jan. Eyles, 1009; Rogers, 6202; Victoria Falls, Rogers, 5131; Victoria, Monro, 1024; South Rhodesia, Rand, 171; Odzani River Valley, Umtali, Teague, 74.

S. nodiflorum, Jacq.

Fl. Trop. Afr. IV. ii. 218; Cat. Afr. Pl. Welw. i. 745.

Melsetter, 6000 ft. fl. & fr. April, May, Swyn. 342; Chirinda Forest, 3800 ft. Swyn. 481; Chirinda, on cultivated ground, Swyn. 1794.

S. panduræforme, E. Mey. (S. delagoense, Dun.)

Fl. Trop. Afr. IV. ii. 214; Fl. Cap. IV. ii. 99; Cat. Afr. Pl. Welw. i. 747; Nat. Pl. 596.

Matabeleland, Oates; Elliott; Sebakwe, 4000 ft. Dec. Eyles, 123; Plumtree, April, Flanagan, 3177; Bulawayo, Chubb, 390; Rogers, 5504; Chirinda, 3800 ft. Nov. Swyn. 1793; Salisbury, Rogers, 5772; Matopos, May, Rogers; Victoria Falls, April, Rogers; South Rhodesia, Rand, 170.

Genus No.

S. sodomeum, var. **Hermanni**, *Dun.*

Fl. Cap. IV. ii. 96.

Bembesi, Jan. Gardner, 49.

7415—**Datura Stramonium**, *L.*

Fl. Trop. Afr. IV. ii. 257; Fl. Cap. IV. ii. 118; Cat. Afr. Pl. Welw. i. 753; Harv. Gen. S.A. Pl. 258.

Mazoe, 4400 ft. March, Eyles, 280; Bulawayo, Chubb, 349; South Rhodesia, Rand, 169.

7436—**Petunia violacea**, *Lindl.*

Umgusa Riv. 4400 ft. Nov. Eyles, 1189.

FAMILY CCLVII.—SCROPHULARIACEAE, *Lindl.*

7467—**Apostimum decumbens**, *Schinz.*

Fl. Trop. Afr. IV. ii. 272; Cat. Afr. Pl. Welw. i. 755.

Victoria Falls, Allen, 105; April, Flanagan, 3202; Rogers, 7212.

A. elongatum, *Engl.*

Fl. Trop. Afr. IV. ii. 273.

Mashonaland, Bryce; South Rhodesia, Rand, 641.

A. lineare, *Marl. & Engl.* (*A. Randii*, S. Moore.)

Fl. Trop. Afr. IV. ii. 269; Fl. Cap. IV. ii. 129; Cat. Afr. Pl. Welw. i. 755.

Bulawayo, 4500 ft. Nov. Eyles, 87; Cecil, 115; Rand, 180; Rogers, 5925; Jan. Gardner, 63; Chubb, 327; Matopos, Sep. Gibbs, 13; Gwelo, Sr. Phil. 57; Matabeleland, Elliott; Marloth.

7476—**Nemesia affinis**, *Benth.*

Fl. Trop. Afr. IV. ii. 286; Fl. Cap. IV. ii. 182.

Matopos, Sep. Gibbs, 49.

N. dentata, *G. Don.*

Fl. Trop. Afr. IV. ii. 286.

Matabeleland, Herb. Desfontaines.

N. divergens, *Benth.*

Fl. Cap. IV. ii. 193.

Bulawayo, 4600 ft. Aug. Eyles, 1229.

N. foetens, *Vent.* Fl. Cap. IV. ii. 193.

Bulawayo, 4500 ft. Dec. Eyles, 31; Matopos, Sep. Gibbs, 312.

7477—**Diclis petiolaris**, *Benth.*

Fl. Trop. Afr. IV. ii. 287; Fl. Cap. IV. ii. 201.

Bulawayo, May, Rand, 372; Matopos, Sep. Gibbs, 76; March, Flanagan, 2955; Victoria Falls, Allen, 409.

Genus No.

7493—**Halleria lucida**, *L.*

Fl. Trop. Afr. IV. ii. 295 ; Fl. Cap. IV. ii. 207 ; Nat. Pl. 545.

Chirinda Forest, 3700–4000 ft. Sep. Swyn. 124 ; Melsetter,
6000 ft., Dec. Swyn. 1138.

7494—**Teedia lucida**, *Rud.*

Fl. Cap. IV. ii. 210.

Chimanimani Mts. 7000 ft. Sep. Swyn. 785.

7497—**Freylinia tropica**, *S. Moore.*

Journ. Linn. Soc. Bot. xl. 152.

Melsetter, 6000 ft. Sep. Swyn. 608.

7517—**Manulea rhodesiana**, *S. Moore.*

Journ. Bot. 1911, 156.

Victoria, Monro, 924.

7519—**Sutera atropurpurea**, *Hiern.* (*Lyperia atropurpurea*, Benth.)

Fl. Trop. Afr. IV. ii. 309 ; Fl. Cap. IV. ii. 306.

Bulawayo, May, Rand, 370 ; June, Eyles, 148.

S. Bolusii, *Hiern.*

Fl. Cap. IV. ii. 300.

Bulawayo, Chubb, 6a.

S. brunnea, *Hiern.*

Fl. Cap. IV. ii. 305.

Bulawayo, Rogers, 5749.

S. burkeana, *Hiern.* (*Lyperia burkeana*, Benth.)

Fl. Trop. Afr. IV. ii. 308 ; Fl. Cap. IV. ii. 299 ; Cat. Afr. Pl.
Welw. i. 757.

Matabeleland, Baines ; Oates ; Bulawayo, May, Rand, 371 ;

Chubb, 317, 331 ; Matopos, fl. & fr. Sep. Oct. Gibbs, 15 ;

March, Flanagan, 2994 ; Gwelo, Sr. Phil. 5 ; Odzani River

Valley, Umtali, Teague, 18.

S. Carvalhoi, *Skan.*

Fl. Trop. Afr. IV. ii. 307.

Inyanga, Cecil, 198 ; Melsetter, 6000 ft. Sep. Swyn. 1980 ;

North Melsetter, 5000–6000 ft. Oct. Swyn. 6228.

S. floribunda, *O. Kuntze.*

Fl. Cap. IV. ii. 277.

Melsetter, 6000 ft. Sep. Swyn. 1996 ; North Melsetter, 5000–

6000 ft. Oct. Swyn. 6149.

S. micrantha, *Hiern.* (*S. fissifolia*, S. Moore ; *Chaenostoma micranthum*, Engl.)

Fl. Trop. Afr. IV. ii. 303 ; Fl. Cap. IV. ii. 263 ; Journ. Bot.
1900, 467.

Bulawayo, Jan. Rand, 155 ; Oct. Eyles, 1077 ; Gwelo, Gardner,

16 ; Matengwe Riv. Holub, 1312, 1313 ; Matopos, Sep. Gibbs,

36 ; Bulawayo, 4500 ft. Aug. Eyles, 1243.

Genus No.

S. spp.

Bulawayo, Rogers, 13612 and 5681.

7523—**Zaluzianskya capensis**, Walp.

Fl. Cap. IV. ii. 338.

Melsetter, 6000 ft. Sep. Swyn. 1981.

7524—**Mimulus gracilis**, R. Br. (*M. angustifolius*, Hochst.; *M. strictus*, Benth.)

Fl. Trop. Afr. IV. ii. 310; Fl. Cap. IV. ii. 354; Cat. Afr. Pl. Welw. i. 758.

Bulawayo, Dec. and May, Rand, 156, 368, 506; Dec. Eyles, 57; Aug. Eyles, 1230; Gardner, 70; Rogers, 13604.

7532—**Limnophila ceratophylloides**, Skan. (*Stemodiocras ceratophylloides*, Hiern.)

Fl. Trop. Afr. IV. ii. 317; Cat. Afr. Pl. Welw. i. 759.

Salisbury, Rand, 539.

L. gratioides, R. Br.

Fl. Trop. Afr. IV. ii. 319.

Salisbury, July, Rand, 518.

L. sessiflora, Blume.

Fl. Trop. Afr. IV. ii. 318.

Matopos, Oct. Gibbs, 212.

L. sp.

Mazoe, 4300 ft. Jan. Eyles, 511.

7535—**Stemodiopsis Eylesii**, S. Moore.

Journ. Bot. 1908, 71.

Mazoe, 5000 ft. March, Eyles, 252.

S. humilis, Skan.

Fl. Trop. Afr. IV. ii. 316.

Matopos, 5000 ft. Feb. Eyles, 1166.

7558—**Limosella aquatica**, L. var. **tenuifolia**, Hook. f.

Fl. Trop. Afr. IV. ii. 352; Fl. Cap. IV. ii. 357.

Mazoe, 4200 ft. Sep. Eyles, 408, 409.

7560—**Craterostigma nanum**, Oliv.

Fl. Trop. Afr. IV. ii. 331; Fl. Cap. IV. ii. 360.

Inyanga, 6000–7000 ft. Cecil, 208.

C. plantagineum, Hochst.

Fl. Trop. Afr. IV. ii. 329; Fl. Cap. IV. ii. 361; Cat. Afr. Pl. Welw. i. 761.

Matabeleland, Oates; Bulawayo, Dec. Rand, 157; Chubb, 401; Iron Mine Hill, Cecil, 93; Victoria, Monro, 838; Matopos, Nov. Marloth, 3405.

C. sp.

Victoria, Monro, 785.

Genus No.

- 7564—**Ilysanthes conferta**, *Hiern.* (*I. Plantaginella*, S. Moore.)
 Fl. Trop. Afr. IV. ii. 347; Fl. Cap. IV. ii. 365; Journ. Bot.
 1905, 49.
 Matopos, 4500 ft. April, Eyles, 47; March, Flanagan, 2987.
- I. micrantha**, *S. Moore.*
 Journ. Bot. 1911, 158.
 Victoria, Monro, 1031.
- I. Muddii**, *Hiern.*
 Fl. Cap. IV. ii. 366.
 Matopos, 4500 ft. March, Eyles, 1033.
- 7566—**Hebenstreitia dentata**, *L. f.*
 Fl. Cap. V. i. 101; Cat. Afr. Pl. Welw. i. 825.
 Nyahodi Riv. 5000 ft. April, Swyn. 1888.
- H. elongata**, *Bolus.*
 Fl. Cap. V. i. 99.
 Mt. Pene, 6500–7000 ft. Sep. Swyn. 1887.
- H. Holubii**, *Rolfe.*
 Victoria Falls, fl. & fr. Sep. Gibbs, 116; Engler; Odzani River
 Valley, Umtali, Teague, 230.
- 7568—**Selago Cecilae** (*Rolfe*), *Torre & Harms.* (*Walafrida Cecilae*, Rolfe.)
 Kew Bull. 1906, 167.
 Bulawayo, Cecil.
- S. chongweensis** (*Rolfe*), *T. & H.* (*Walafrida chongweensis*, Rolfe.)
 Journ. Linn. Soc. Bot. xxxvii. 462.
 Victoria Falls, Allen, 120; Sep. Gibbs, 117.
- S. Hoepfneri**, *Rolfe.*
 Sicumy Vlei, 3200 ft. Allen, 231.
- S. Swynnertonii** (*S. Moore*), *T. & H.* (*Walafrida Swynnertonii*, S.
 Moore.)
 Journ. Linn. Soc. Bot. xl. 165.
 Nyahodi Riv. 5000 ft. fl. & fr. April, Swyn. 2135.
- S. spp.**
 Matopos, Engler, cf. *S. micrantha*, Choisy.
 Bulawayo, Rand, 551.
- 7597—**Melasma communis** (*Hemsl.*), *Torre & Harms.* (*Alectra communis*,
 Hemsl.)
 Fl. Trop. Afr. IV. ii. 372.
 Chirinda, 3700–4000 ft. June, Swyn. 1975.
- M. orobanchoides**, *Engl.* (*Alectra pumila*, Benth.; *Alectra kili-*
mandjarica, Hemsl.)
 Fl. Trop. Afr. IV. ii. 365, where see note that this name probably
 includes several distinct species.
 Fl. Cap. IV. ii. 376; Cat. Afr. Pl. Welw. i. 768.
 Mazoe, 5000 ft. April, Eyles, 332; March, Eyles, 289; Matopos,
 5000 ft. March, Eyles, 1016.

Genus No.

M. sessiliflorum, *Hiern.* (*Alectra melanopyroides*, Benth.)

Fl. Trop. Afr. IV. ii. 371; Fl. Cap. IV. ii. 375; Cat. Afr. Pl. Welw. i. 767; Nat. Pl. 397.

Victoria Falls, Sep. Gibbs, 293; Rogers, 5780.

M. sp.Victoria Falls, April, Flanagan, 3163, cf. *M. indicum*, Hiern.7614—**Graderia scabra**, *Benth.* (*Bopusia scabra*, Presl.)

Fl. Cap. IV. ii. 389; Cat. Afr. Pl. Welw. i. 772.

Mt. Pene, 6500–7000 ft. Sep. Swyn. 1977, 1978; Haroni Riv. 5500 ft. Oct. Swyn. 6077.

7616—**Sopubia cana**, *Harv.*

Fl. Cap. IV. ii. 386; Cat. Afr. Pl. Welw. i. 774.

Mazoe, 4300 ft. April, Eyles, 322.

S. leprosa, *S. Moore.*

Fl. Trop. Afr. IV. ii. 453; Journ. Bot. 1900, 468.

Salisbury, Dec. Rand, 158.

S. ramosa, *Hochst.*

Fl. Trop. Afr. IV. ii. 449; Cat. Afr. Pl. Welw. i. 773.

Salisbury, May, Flanagan, 3272; Chirinda, 3800 ft. fl. & fr. April, June, Swyn. 389; Chipetzana Riv. 3000 ft. Swyn. 2125; Upper Buzi Riv. 3000 ft. Swyn. 2126; Odzani River Valley, Umtali, Teague, 224; Victoria Falls, Rogers, 13310²; Matopos, Rogers, 7919*.**S. simplex**, *Hochst.***S. dregeana**, *Benth.*

In Fl. Cap. IV. ii. 386, 1904, these two species are treated as synonymous, but in Fl. Trop. Afr. IV. ii. 450, 451, 1906, they are again separated. As I am unable to allocate all the records of various collectors, I give them here, distinguishing the species where known:—

See also Cat. Afr. Pl. Welw. i. 773 & Nat. Pl. 364.

S. simplex, Matabeleland, Bryce; Matopos, Oct. Gibbs, 99; Mazoe, 4300 ft. Dec. Eyles, 481; Mt. Pene, 6500–7000 ft. Sep. Oct. Swyn. 1976, 6209.

S. dregeana, Umtali, Cecil, 234.

Doubtful, Matopos, 4800 ft. Nov. Eyles, 1102; Salisbury, Dec. Rand, 159; Victoria, Monro, 582, 799, 948, 1028.

7622—**Buchnera ciliolata**, *Engl.*

Fl. Trop. Afr. IV. ii. 379; Cat. Afr. Pl. Welw. i. 775.

Victoria, Monro, 1029.

B. dura, *Benth.*

Fl. Cap. IV. ii. 391.

Matopos, 5000 ft. March, Eyles, 1014.

Genus No.

B. Eylesii, *S. Moore*.

Journ. Bot. 1908, 72.

Mazoe, 5000 ft. April, Eyles, 334.

B. Henriquesii, *Engl.* (*B. rhodesiana*, *S. Moore*.)

Fl. Trop. Afr. IV. ii. 396; Journ. Bot. 1900, 468; Cat. Afr. Pl. Welw. i. 775.

Salisbury, Dec. Rand, 154; Engler; Matabeleland, Elliott; Mashonaland, Bryce; Charter Flats, Cecil, 83; Bulawayo, 4500 ft. Nov. Eyles, 1111; Chirinda, 3800 ft. May-Nov. Swyn. 303*a*; Melsetter, 6000 ft. Swyn. 1982; Upper Buzi, 3500 ft. Swyn. 6106; Mt. Pene, 7000 ft. Swyn. 6109; Victoria Falls, Rogers, 7295.

B. hispida, *Buch.-Ham.*

Fl. Trop. Afr. IV. ii. 397.

Victoria Falls, Rogers, 7071*, 7093*.

B. Lastii, *Engl.*

Fl. Trop. Afr. IV. ii. 392.

Mt. Pene, 7000 ft. Oct. Nov. Swyn. 6105, 6150.

B. leptostachya, *Benth.*

Fl. Trop. Afr. IV. ii. 394.

Selukwe, Rogers, 4093 ?.

B. pusilliflora, *S. Moore*.

Journ. Bot. 1908, 310.

Mazoe, 4300 ft. April, Eyles, 367.

B. Randii, *S. Moore*.

Fl. Trop. Afr. IV. ii. 387; Journ. Bot. 1900, 467.

Salisbury, July, Rand, 573.

B. sp.

Matopos, March, Flanagan, 2985, 2971.

7622*a*—**Eylesia buchneroides**, *S. Moore*.

Journ. Bot. 1908, 311.

Mazoe, 4300 ft. April, Eyles, 366.

7623—**Cynium adonense**, *E. Mey.*

Fl. Trop. Afr. IV. ii. 431; Fl. Cap. IV. ii. 395; Cat. Afr. Pl. Welw. i. 777; Nat. Pl. 273.

Bulawayo, 4500 ft. Dec. Eyles, 18; Dec. Rand, 161; Salisbury, Darling; Chipete Forest, 3800 ft. April, Swyn. 234; Melsetter, 6000 ft. Oct. Swyn. 6076; also Chirinda, Lusitu Valley, etc. Odzani River Valley, Umtali, Teague, 121.

C. palustre ?.

Victoria Falls, Davy.

Genus No.

7624—**Rhamphicarpa fistulosa**, *Benth.*

Fl. Trop. Afr. IV. ii. 419; Fl. Cap. IV. ii. 398; Cat. Afr. Pl. Welw. i. 778.

Bulawayo, May, Rand, 387; Matopos, March, Flanagan, 2963*a*.**B. montana**, *N. E. Br.*

Fl. Trop. Afr. IV. ii. 427; Kew Bull. 1901, 129; Fl. Cap. IV. ii. 400.

Matabeleland, Elliott; Bulawayo, Rand, 160; between Charter and Bulawayo, Cecil, 90; Bulawayo, 4500 ft. Nov. Eyles, 1112; Rogers, 5511; Chubb, 399; Victoria, Monro, 611, 792.

R. tubulosa, *Benth.* (*Cynium tubulosum*, Engl.)

Fl. Trop. Afr. IV. ii. 428; Fl. Cap. IV. ii. 399; Harv. Gen. S.A. Pl. 271.

Victoria Falls, Sep. Galpin; Allen, 34; fl. & fr. Sep. Gibbs, 131, 101; Engler; April, Flanagan, 3164; Rogers, 5277; Mashonaland, Bryce; Victoria, Monro, 921, 948*a*.**R. sp.**

Matopos, March, Flanagan, 2963?, n. sp.

7625—**Striga elegans**, *Benth.*

Fl. Trop. Afr. IV. ii. 408; Fl. Cap. IV. ii. 382; Cat. Afr. Pl. Welw. i. 779.

Mashonaland, Cecil, 259; Mazoe, 4400 ft. April, Eyles, 368; Victoria, Monro, 975.

S. Forbesii, *Benth.*

Fl. Trop. Afr. IV. ii. 410; Fl. Cap. IV. ii. 384; Cat. Afr. Pl. Welw. i. 780.

Victoria Falls, April, Flanagan, 3155.

S. lutea, *Lour.* (*S. coccinea*, *Benth.*)

Fl. Trop. Afr. IV. ii. 409; Fl. Cap. IV. ii. 382; Cat. Afr. Pl. Welw. i. 780.

Gwelo, Jan. Gardner, 42; Matabeleland, Cecil, 128; Matopos, March, Flanagan, 2992; Upper Buzi, 3000 ft. April, Swyn. 1985; Odzani River Valley, Umtali, Teague, 84.

S. orobanchoides, *Benth.*

Fl. Trop. Afr. IV. ii. 402; Fl. Cap. IV. ii. 380; Cat. Afr. Pl. Welw. i. 778.

Matopos, March, Flanagan, 2993; Mazoe, 4600 ft. Jan. Eyles, 508; Victoria Falls, April, Flanagan, 3202; Rogers, 7023.

S. Thunbergii, *Benth.*

Fl. Trop. Afr. IV. ii. 404; Fl. Cap. IV. ii. 380; Cat. Afr. Pl. Welw. i. 779; Nat. Pl. 370.

Salisbury, July, Rand, 521; Engler; Manica, Cecil, 159; Gwelo, Jan. Gardner, 54; Matabeleland, Elliott; Victoria, Monro, 976.

FAMILY CCLVIII.—BIGNONIACEAE, Pers.

Genus No.

7716a—**Podranea Brycei**, *Sprague*. (*Tecoma Brycei*, N. E. Br.)

Fl. Trop. Afr. IV. ii. 515; Kew Bull. 1901, 130.

Mashonaland, Bryce; Bulawayo, Franklin White; Mazoe, 4300 ft. June, Eyles, 373; Victoria, Monro, 1087; Chipete Forest, 3800 ft. May, Swyn. 429; Melsetter Dist. 3000–5000 ft. Swyn.; Selukwe, Rogers, 4099.

7722—**Rhigozum brevispinosum**, *O. Kuntze*.

Fl. Trop. Afr. IV. ii. 531.

Shashi Riv. Baines.

7744—**Markhamia acuminata**, *Sprague*.

Fl. Trop. Afr. IV. ii. 524.

Sebakwe, 4000 ft. Dec. Eyles, 171; Victoria Falls, Allen, 149.

M. lanata, *K. Schum.*

Fl. Trop. Afr. IV. ii. 527.

Upper Buzi, 3000 ft. Dec. Swyn. 33; also western slopes of Mpengo Mt., Chirinda, Chikore Hills and Umswirizwi.

7761—**Kigelia pinnata**, *DC.* var. **tomentella**, *Sprague*.

Fl. Trop. Afr. IV. ii. 537; & for type Fl. Cap. IV. ii. 454;

Nat. Pl. 386, 387; Cat. Afr. Pl. Welw. i. 793; For. Fl. Port.

E. Afr. 91; Harv. Gen. S.A. Pl. 276.

Victoria Falls, Sep. Galpin, 7025; Davy; Cartwright; Allen, 30;

Salisbury, Darling; Gwanda, Noble, 38; Mazoe, Govt. Herb.

929; Victoria, Monro, 495.

FAMILY CCLIX.—PEDALIACEAE, *Lindl.*

7769—**Pterodiscus Elliottii**, *Baker*.

Fl. Trop. Afr. IV. ii. 542.

Matabeleland, Elliott.

P. speciosus, *Hook.*

Fl. Trop. Afr. IV. ii. 542; Fl. Cap. IV. ii. 456.

Shashi Riv. Rand, 197; Victoria, Monro, 659, 825.

P. sp.

Gwai Forest, Jan. Allen, 272.

7771—**Harpagophytum procumbens**, *DC.*

Fl. Trop. Afr. IV. ii. 548; Fl. Cap. IV. ii. 458.

Victoria Falls, Allen, 74; April, Flanagan, 3240; Bulawayo, Rogers, 5602.

var. **sublobatum**, *Engl.*

Fl. Trop. Afr. IV. ii. 548.

Matabeleland, Elliott; Shashi Riv. Rand, 200; Victoria Falls, Rogers, 5384.

Genus No.

7776—**Rogeria adenophylla**, *J. Gay.*

Fl. Trop. Afr. IV. ii. 549; Cat. Afr. Pl. Welw. i. 796.

South Rhodesia, Rand, 199.

7777—**Sesamum alatum**, *Thonn.*

Fl. Trop. Afr. IV. ii. 559.

South Rhodesia, Rand, 378.

S. angustifolium, *Engl.*

Fl. Trop. Afr. IV. ii. 554.

Mazoe, 4800 ft. Jan. Eyles, 234; Victoria Falls, Allen, 132;

Rogers, 5140, 5601, 7242, 7144; July, Kolbe, 3134; April,

Flanagan, 3161.

S. Baumii, *Stapf.*

Fl. Trop. Afr. IV. ii. 554.

Victoria Falls, Sep. Gibbs, 115.

S. calycinum, *Welw.*

Fl. Trop. Afr. IV. ii. 555; Cat. Afr. Pl. Welw. i. 797.

Salisbury, Cecil, 142; Rand.

S. capense, *Burm. f.* (*Sesamopteris pentaphylla*, DC.)

Fl. Trop. Afr. IV. ii. 560; Fl. Cap. IV. ii. 461; Cat. Afr. Pl.

Welw. i. 800; Harv. Gen. S.A. Pl. 278.

Bulawayo, Jan. Gardner, 60; Eyles; Matabeleland, Marloth;

South Rhodesia, Rand, 196.

S. indicum, *L.*

Fl. Trop. Afr. IV. ii. 558; Fl. Cap. IV. ii. 460; Cat. Afr. Pl.

Welw. i. 797.

Chirinda, 3800 ft. cultivated ground, April, Swyn. 251; Upper

Buzi, 3000 ft. May, Swyn. 2000.

7778—**Ceratotheca kraussiana**, *Kunth.*

Victoria, Monro, 993.

C. sesamoides, *Endl.*

Fl. Trop. Afr. IV. ii. 563.

Deka, 2400 ft. May, Eyles, 133; Victoria Falls, April, Flanagan,

3204; Rogers, 5621.

C. triloba, *E. Mey.*

Fl. Trop. Afr. IV. ii. 564; Fl. Cap. IV. ii. 462; Nat. Pl. 367.

Shashi Riv. Holub; Matengwe Riv. Holub, 1283; Bulawayo,

Rand, 379; Matabeleland, Elliott; Rogers, 5112; between

Umtali and Salisbury, Cecil, 52; Odzani River Valley, Umtali,

Teague, 11; Manica, Bryce; Matopos, 4500 ft. March, Eyles,

107; Oct. Gibbs, 258; Rogers, 5365, 5408, 1112; Salisbury,

May, Flanagan, 3258; North Melsetter, 5000–6000 ft. Oct.

Swyn. 6221; Victoria, Monro, 1093a.

Genus No.

7780—**Pretrea zanguebarica**, *J. Gay.* (*P. eriocarpa*, Decne.)

Fl. Trop. Afr. IV. ii. 565; Fl. Cap. IV. ii. 463; Cat. Afr.

Pl. Welw. i. 801; Harv. Gen. S.A. Pl. 277.

Bulawayo, 4500 ft. Nov. Eyles, 80; Monro, 3 & 17; Salisbury, Cecil, 73; Matopos, Oct. Gibbs, 264; Engler; March, Flanagan, 2995; Victoria Falls, Allen, 157; Umtali, Engler; Odzani River Valley, Teague, 94; Matabeleland, Marloth; South Rhodesia, Rand, 198, 377.

FAMILY CCLXII.—OROBANCHACEAE, *Lindl.*

7791—**Orobanche minor**, *Sutton.*

Fl. Trop. Afr. IV. ii. 467.

Mazoe, 5000 ft. April, Eyles, 331.

FAMILY CCLXIII.—GESNERIACEAE, *Nees.*

7823—**Streptocarpus** spp.

Matopos, 5000 ft. March, leaf only, Eyles, 1041; Nov. fl. Eyles, 1097; Selukwe, Rogers.

FAMILY CCLXIV.—LENTIBULARIACEAE, *Lindl.*

7899—**Genlisea africana**, *Oliv.*

Fl. Trop. Afr. IV. ii. 497; Cat. Afr. Pl. Welw. i. 789.

Matopos, fl. & fr. Oct. Gibbs, 219; Victoria Falls, Engler.

7901—**Utricularia exoleta**, *R. Br.*

Fl. Trop. Afr. IV. ii. 495; Fl. Cap. IV. ii. 435; Cat. Afr. Pl. Welw. i. 786.

Victoria Falls and Matopos, Oct. Gibbs, 174; Victoria Falls, Engler; July, Kolbe, 3151; Rogers, 5291.

U. formula, *Welw.*

Fl. Trop. Afr. IV. ii. 479; Cat. Afr. Pl. Welw. i. 788.

Victoria Falls, Kirk; Victoria Falls and Matopos, Sep. Gibbs, 172, 173.

U. Gibbsiae, *Stapf.*

Fl. Trop. Afr. IV. ii. 574.

Victoria Falls, Sep. Gibbs, 177; Rogers, 5024; Galpin, 7038; Engler.

Genus No.

U. Kirkii, *Stapp*.

Fl. Trop. Afr. IV. ii. 476; Fl. Cap. IV. ii. 428.

Victoria Falls, Sep. Gibbs, 176; Sep. Galpin, 7039; Engler : Rogers, 5027.

U. transrugosa, *Stapp*.

Fl. Trop. Afr. IV. ii. 473 & 574; Fl. Cap. IV. ii. 428.

Salisbury, Rand, 517; Matopos, Sep. Gibbs, 50; 4500 ft. Nov. Eyles, 1099 partly.

U. Welwitschii, *Oliv.*

Fl. Trop. Afr. IV. ii. 478; Cat. Afr. Pl. Welw. i. 788.

Matopos, Oct. Gibbs, 230, 214.

U. sp.

Mazoe, 4300 ft. Jan. Eyles, 510.

FAMILY CCLXVI.—ACANTHACEAE, *Juss.*7909—**Nelsonia campestris**, *R. Br.*

Fl. Trop. Afr. v. 28; Cat. Afr. Pl. Welw. i. 805.

Victoria Falls, Sep. Galpin, 7026.

N. tomentosa, *Willd.*

Victoria Falls, Sep. Gibbs, 122.

7914—**Thunbergia affinis**, *S. Moore*.

Fl. Trop. Afr. v. 11; Cat. Afr. Pl. Welw. i. 801.

Mazoe, 4200–4600 ft. Dec. Eyles, 191, 199.

T. alata, *Boj.*

Fl. Trop. Afr. v. 16; Fl. Cap. V. i. 10; Nat. Pl. 300; Cat. Afr. Pl. Welw. i. 803.

Khami, March, Eyles, 10; Chirinda, 3700–4000 ft. Jan. Swyn. 353; Chipete Forest, 3000 ft. May, Swyn. 452.

T. Bachmanni, *Lindau*.

Fl. Cap. V. i. 8.

Victoria, Monro, 652, 653a.

T. glaberrima, *Lindau*.

North of Hartley, Engler.

T. lancifolia, *T. Anders.*

Fl. Trop. Afr. v. 25; Cat. Afr. Pl. Welw. i. 804.

Salisbury, Sep. Rand, 631, 1383; Darling, in Herb. Bolus, 11194; Inyati Riv. Bryce; Mazoe, 4300–4800 ft. Oct. Nov. Eyles, 190; Nyahodi Riv. 5000 ft. Sep. Swyn. 1925.

T. Monroi, *S. Moore*.

Journ. Bot. 1913, 209.

Victoria, Monro, 652a, 653.

Genus No.

T. oblongifolia, *Oliv.* var. **Berringtonii**, *Burkill*.

Fl. Trop. Afr. v. 24 & 508.

Mashonaland, Berrington.

T. Randii, *S. Moore*.

Fl. Trop. Afr. v. 508 ; Journ. Bot. 1900, 201.

Bulawayo, Dec. Rand, 275, 276 ; Mazoe, 4400-4600 ft. Dec.

Eyles, 479 ; Salisbury, Rand, 1381 ; Gwelo, Sr. Phil. 49 ;

Umvumvumu Riv. 4000 ft. Oct. Swyn. 6098 ; Mt. Pene,

7000 ft. Swyn. 6216.

T. Swynnertonii, *S. Moore*.

Journ. Linn. Soc. Bot. xl. 157.

Chirinda Forest, 3700-4000 ft. May, Swyn. 339.

7915—**Pseudocalyx africanus**, *S. Moore*.

Journ. Linn. Soc. Bot. xl. 156.

Chirinda Forest, 3800 ft. May, Swyn. 97.

7924—**Synnema Acinos**, *S. Moore*.

Journ. Bot. 1908, 73.

Bulawayo, 4500, Aug. Eyles, 1242 ; Victoria, Monro, 414a, 590.

7925—**Brillantaisia grandidentata**, *S. Moore*.

Journ. Bot. 1907, 331.

Mt. Pene, 6500-7000 ft. Sep. Swyn. 336, 1145.

7926—**Hygrophila cataractae**, *S. Moore*.

Journ. Linn. Soc. Bot. xxxvii. 459.

Victoria Falls, Sep. Gibbs, 159 ; Sep. Galpin, 7035.

H. rhodesiana, *S. Moore*.

Journ. Bot. 1900, 201 ; Fl. Trop. Afr. v. 509.

Salisbury, July, Rand, 519 ; Gwibi Flats, Sep. Eyles 413.

7929—**Mellera lobulata**, *S. Moore*.

Fl. Trop. Afr. v. 50.

Chirinda, 3700-4000 ft. June, Swyn. 1141.

7932—**Phayloopsis** (*Phaulopsis*) **longfolia**, *T. Thoms*.

Fl. Trop. Afr. v. 84 ; Fl. Cap. V. i. 21.

Victoria Falls, Sep. Gibbs, 160 ; Melssetter, 6000 ft. June, Swyn.

1929 ; Chirinda, 3700-4000 ft. Sep. Swyn. 1930.

P. parviflora, *Willd.*

Fl. Trop. Afr. v. 83 ; Fl. Cap. V. i. 20 ; Nat. Pl. 255.

Victoria Falls, Engler ; Rogers, 5021 ; Odzani River Valley,

Umtali, Teague, 147.

7934—**Petalidium** sp. ?.

Matopos, Rogers, 5177.

7939—**Dyschoriste alba**, *S. Moore*.

Journ. Bot. 1907, 89.

Mazoe, 4300-4800 ft. Jan. Eyles, 237.

Genus No.

- D. depressa**, *Nees*.
Fl. Cap. V. i. 16; Fl. Trop. Afr. v. 72.
Victoria Falls, Rogers, 7408*.
- D. Fischeri**, *Lindau*.
Fl. Trop. Afr. v. 77; Fl. Cap. V. i. 17.
Bulawayo, Dec. Jan. May, Rand, 181, 182, 383; Nov. Eyles,
1160; Monro, 93; Rogers, 5733.
- D. matopensis**, *N. E. Br.*
Kew Bull. 1906, 166.
Matopos, Cecil, 114.
- D. Monroi**, *S. Moore*.
Journ. Bot. 1910, 251.
Victoria, Monro, 950; Bulawayo, Gardner, 98.
- D. Perrottetii**, *O. Kuntze*.
Fl. Trop. Afr. v. 72.
Victoria Falls, Sep. Gibbs, 296; Sep. Galpin, 7036; Engler;
Rogers, 7138a.
- D. radicans** (*T. And.*), *O. Kuntze*.
North of Hartley, Engler.
- D. sp.**
Matopos, March, Flanagan, 2991.
- 7940—**Disperma densiflorum**, *C. B. Cl.*
Fl. Trop. Afr. v. 82.
Mazoe, March, Flanagan, 3028.
- D. quadrisepalum**, *C. B. Cl.* var. **grandifolium**, *S. Moore*.
Journ. Bot. 1908, 73; Flor. Trop. Afr. v. 80 (type).
Mazoe, 4500 ft. Jan. Eyles, 513.
- D. viscidissimum**, *S. Moore*.
Journ. Linn. Soc. Bot. xxxvii. 460.
Victoria Falls, Sep. Gibbs, 123.
- 7941—**Chætacanthus Persoonii**, *Nees*.
Fl. Cap. V. i. 18.
Matopos, 5000 ft. Nov. Eyles, 1104; Chirinda, 3800 ft. April,
Swyn. 377.
- 7945—**Hemigraphis myostiflora**, *Stapf*.
Victoria Falls, Allen, 180, 412.
- H. prunelloides**, *S. Moore*.
Journ. Linn. Soc. Bot. xxxvii. 459.
Victoria Falls, Sep. Gibbs, 161; Engler; Rogers, 5279, 5292,
5224; July, Kolbe, 3146; Sep. Galpin, 7037.
- 7953—**Strobilanthesis hircina**, *S. Moore*.
Fl. Trop. Afr. v. 511; Journ. Bot. 1900, 202.
Fort Gibbs, Sep. Rand, 640.

Genus No.

7965—**Ruellia ovata**, *Thunb.*

Fl. Cap. V. i. 14.

Chirinda, 3500 ft. Nov. Swyn. 1931; Victoria, Monroe, 623;

Bulawayo, Rogers, 13592*.

R. patula, *Jacq.*

Fl. Trop. Afr. v. 45; Fl. Cap. V. i. 12; Cat. Afr. Pl. Welw. i. 808.

Bulawayo, Jan. Rand, 177, 178; Monroe, 21; Oct. Eyles, 1071;

Jan. Gardner, 31, 41; Matabeleland, Elliott; Salisbury, Rand,
1369, 1382; Victoria, Monroe, 652, 849.

R. praetermissa, *Lindau.*

Fl. Trop. Afr. v. 45.

Victoria Falls, Allen, 62.

7966—**Eranthemum subviscosum**, *C. B. Cl.*

Fl. Trop. Afr. v. 173.

Chirinda Forest, 3700–4000 ft. Oct. Swyn. 130.

7971—**Lepidagathis scariosa**, *Nees.*

Fl. Trop. Afr. v. 122.

Victoria Falls, Rogers, 7217*.

7972—**Crabbea nana**, *Nees.* (*C. crisioides*, *Nees.*)

Fl. Trop. Afr. v. 118; Fl. Cap. V. i. 38.

Bulawayo, May, Rand, 428; Victoria Falls, April, Flanagan,
3176; Chirinda, 3800 ft. April, Swyn. 304; Salisbury, Rogers,
5800; Selukwe, Rogers, 4091.

C. velutina, *S. Moore.*

Fl. Trop. Afr. v. 119.

Victoria Falls, Rogers, 5399, 5763.

7973—**Barleria albostellata**, *C. B. Cl.*

Fl. Trop. Afr. v. 162.

Shashi Riv. Holub, 1397; Matopos, Rogers, 5637*, 7908*.

B. Boehmii, *Lindau.*

Fl. Trop. Afr. v. 167.

Victoria Falls, Allen, 75.

B. Eylesii, *S. Moore.*

Journ. Bot. 1905, 50.

Matopos, 4500 ft. Feb. Eyles, 160; Davy; Victoria, Monroe, 805.

B. Mackenii, *Hook. f.*

Matabeleland, Elliott; Bulawayo, Dec. Rand, 117; Victoria,
Monroe, 955.

B. matopensis, *S. Moore.*

Journ. Bot. 1907, 91.

Matopos, 5000 ft. Feb. Eyles, 1165; Victoria Falls, Rogers,
5527, 5680.

Genus No.

B. meyeriana, *Nees*.

Fl. Cap. V. i. 53.

Victoria Falls, Allen, 109.

B. Randi, *S. Moore*.

Fl. Trop. Afr. v. 512; Journ. Bot. 1900, 203.

Bulawayo, Dec. Rand, 115; Nov. Eyles, 88; Rogers, 5663.

B. spinulosa, *Klotzsch*.

Fl. Trop. Afr. v. 152.

Bulawayo, 4500 ft. Feb. Eyles, 1199; Victoria, Monro, 954.

B. spp.Victoria Falls, Allen, 398, cf. *B. spinulosa*, Klotzsch.

Victoria Falls, Allen, 406.

Matopos, Rogers, 5264, 5412.

7978—**Sclerochiton harveyanus**, *Nees*.

Fl. Cap. V. i. 36.

Chirinda Forest, 3700–4000 ft. & Mt. Pene, fl. May, Oct. Dec.

Swyn. 424, 455, 6119, 6638.

7980—**Blepharis Bainesii**, *S. Moore*.

Fl. Trop. Afr. v. 98.

Bulawayo, May, Rand, 381.

B. boerhaaviæfolia, *Pers.*

Fl. Trop. Afr. v. 96; Fl. Cap. V. i. 24; Cat. Afr. Pl. Welw. i. 811.

Victoria Falls, April, Flanagan, 3168; Victoria, Monro, 938.

B. diversispina, *C. B. Cl.*

Fl. Trop. Afr. v. 104; Fl. Cap. V. i. 31; Cat. Afr. Pl. Welw. i. 813.

Shashi Riv. Jan. and Bulawayo, May, Rand, 116, 380; Victoria, Monro, 398, 977.

B. innocua, *C. B. Cl.*

Fl. Cap. V. i. 25.

Bulawayo, Jan. Rand, 281.

B. molluginifolia, *Pers.*

Fl. Cap. V. i. 24; Fl. Trop. Afr. v. 98.

Bulawayo, Rogers, 13634*.

B. spp.

Victoria Falls, April, Flanagan, 3285, 3245.

Victoria Falls, Rogers, 5110, cf. *B. pungens*, Klotzsch.

Salisbury, March, Flanagan, 3026.

Matopos, 4800 ft. Feb. Eyles, 1164 ?.

Gwelo, Sr. Phil. 46 ? sp. n.

Genus No.

8007—**Asystasia coromandeliana**, *Nees*.

Fl. Trop. Afr. v. 131; Fl. Cap. V. i. 42; Cat. Afr. Pl. Welw. i. 817.

Victoria Falls, 3000 ft. May, Eyles, 141; April, Flanagan, 3235; Sep. Gibbs, 119.

8026—**Peristrophe usta**, *C. B. Cl.*

Fl. Trop. Afr. v. 244.

Salisbury, Sep. Rand, 507; Mazoe, 4300 ft. Aug. Eyles, 189; North of Hartley, Engler.

P. sp.

Matopos, 4600 ft. March, Eyles, 1025. cf. *P. caulopsila*, Presl.

8030—**Macrorungia pubinervia**, *C. B. Cl.*

Fl. Trop. Afr. v. 255.

Chirinda Forest, 3700–4000 ft. May, Oct Swyn. 77, 77a.

8031—**Dicliptera cephalantha**, *S. Moore*.

Journ. Linn. Soc. Bot. xl. 162.

Chirinda, on cultivated ground, 3800 ft. May, Swyn. 514.

D. Melleri, *Rolfe*. (*Diapedium Melleri*, *S. Moore*.)

Fl. Trop. Afr. v. 261 & 515.

Matabeleland, Oates, Salisbury, Sep. Rand, 507b; Mazoe, 4300 ft. Aug. Eyles, 188; Matopos, Oct. Gibbs, 80; Victoria, Monro, 474.

D. Monroi, *S. Moore*.

Journ. Bot. 1911, 189.

Victoria, Monro, 1039.

D. nobilis, *S. Moore*.

Journ. Linn. Soc. Bot. xl. 164.

Chirinda, 3500 ft. June, Swyn. 1935; Melsetter, 6000 ft. Sep. Swyn. 1936.

D. Swynnertonii, *S. Moore*.

Journ. Linn. Soc. Bot. xl. 163.

Chirinda Forest, 3700–4000 ft. May, June, July, Swyn. 528, 528a, 528b.

D. tanganyikensis, *C. B. Cl.*

North of Hartley, Engler.

8032—**Hypoestes aristata**, *R. Br.*

Fl. Trop. Afr. v. 245; Fl. Cap. V. i. 86.

Umtali, Engler; Chirinda, 3800 ft. May, Swyn. 105.

H. verticillaris, *R. Br.*

Fl. Trop. Afr. v. 250; Fl. Cap. V. i. 88.

Bulawayo, May, Rand, 373; Mazoe, 4300 ft. April, Eyles, 304;

Sep. Eyles, 430; March, Flanagan, 3013; Salisbury, Darling;

Gwelo, Sr. Phil. 27; Upper Buzi, 3000 ft. April, Swyn. 1932.

Genus No.

8049—**Siphonoglossa tubulosa**, *Lindau*. (*Justicia prostrata*, Nees.)

Fl. Cap. V. i. 74.

Victoria, Monro, 822; Salisbury, Engler?

8054—**Rhinacanthus communis**, *Nees*.Fl. Trop. Afr. v. 224; Fl. Cap. V. i. 78; Cat. Afr. Pl. Welw.
i. 823.

Matengwe Riv. Holub, 1285, 1286; Victoria Falls?, Rogers, 5104.

8079—**Isoglossa mossambicensis**, *Lindau*.

Fl. Trop. Afr. v. 231.

Chirinda Forest, 3700–4000 ft. May, Swyn. 248a, 1146.

8094—**Justicia Bagshawei** (*S. Moore*), *Torre & Harms*. (*Adhatoda Bagshawei*, *S. Moore*.)

Journ. Bot. 1907, 333.

Chirinda Forest, 3700–4000 ft. fl. & fr. Oct. Swyn. 127, 127a.

J. Betonica, *L.*

Fl. Trop. Afr. v. 184; Fl. Cap. V. i. 57.

Bulawayo, May, Rand, 375; Chirinda, Chimanimani Mts. 7000 ft.

Mt. Pene, 7000 ft. fl. June, July, Sep. Oct. Swyn. 136, 1121,
1987, 6120.**J. betonicoides**, *C. B. Cl.*

Fl. Trop. Afr. v. 184; Fl. Cap. V. i. 58.

Mazoe, 5000 ft. March, Eyles, 254; Plumtree, April, Flanagan,
3178; Gwelo, Sr. Phil. 25.**J. debillis**, *Vahl*. (*Monechma bracteatum*, *Hochst.*)

Fl. Trop. Afr. v. 214; Fl. Cap. V. i. 68.

South Rhodesia, Rand, 374; Redbank, April, Flanagan, 3189;
Gwai, April, Flanagan, 3296; Gwelo, Sr. Phil. 9; Bulawayo,
Rogers, 5751; Victoria Falls, Rogers, 7024*, 7199*.**J. elegantula**, *S. Moore*.Fl. Trop. Afr. v. 513; Journ. Bot. 1900, 204; includes also vars.
elator & *repens*, *S. Moore*, see Journ. Linn. Soc. Bot. xxxvii.
461, 462.Salisbury, Sep. Rand, 508, 509, 642; Rogers, 4023; Bulawayo,
Dec. Rand, 179; Matopos, 4800 ft. Nov. Eyles, 1101; Sep.
Oct. Gibbs, 32; Somabula, May, Flanagan, 3266; Victoria,
Monro, 399, 430, 959.**J. exigua**, *S. Moore*.

Fl. Trop. Afr. v. 514; Fl. Cap. V. i. 66; Journ. Bot. 1900, 204.

Bulawayo, May, Rand, 389.

J. Eylesii (*S. Moore*), *Torre & Harms*. (*Adhatoda Eylesii*, *S. Moore*.)

Journ. Bot. 1910, 253.

Mazoe, 4500–4800 ft. Jan. Eyles, 560.

Genus No.

J. filifolia, *Lindau*.

Fl. Trop. Afr. v. 198.

Victoria, Monro, 896.

J. flava, *Vahl*.

Fl. Trop. Afr. v. 190; Fl. Cap. V. i. 58; Cat. Afr. Pl. Welw. i. 820.

Bulawayo, Dec. Rand, 101; Victoria Falls, April, Flanagan, 3241, forma.

J. glabra, *Roxb*.

Fl. Trop. Afr. v. 208.

South Rhodesia, Victoria Falls, Rogers, 5066.

J. matammensis, *Oliv*.

Fl. Trop. Afr. v. 209; Fl. Cap. V. i. 66.

Matabeleland, Elliott; Bulawayo, Jan. Gardner, 15; Matopos, March, Flanagan, 2954; Victoria Falls, Rogers, 5374; Odzani River Valley, Umtali, Teague, 145.

J. Melampyrum, *S. Moore*.

Fl. Trop. Afr. v. 199.

Chirinda, 3700–4000 ft. May, Swyn. 505, 506.

J. pulegioides, *E. Mey.* (*J. protracta*, T. And.)

Fl. Cap. V. i. 62; Nat. Pl. 216; Journ. Bot. 1911, 243.

Salisbury, Rand, 1380.

J. rhodesiana, *S. Moore*.

Journ. Bot. 1913, 188.

Bulawayo, Rogers, 5740.

J. uncinulata, *Oliv*.

Fl. Trop. Afr. v. 210.

Victoria, Monro, 853.

J. spp.

Salisbury, Darling, in Herb. Bolus, 11195, 11196.

Bulawayo, Feb. Eyles, 1197.

SERIES RUBIALES.

FAMILY CCLXX.—RUBIACEAE, *B. Juss.*

8136—**Oldenlandia angolensis**, *K. Schum.*

Cat. Afr. Pl. Welw. i. 449.

South Rhodesia, Rand, 119.

Genus No.

8136—**O. Bojeri**, *Hiern*.

Fl. Trop. Afr. iii. 53 ; Cat. Afr. Pl. Welw. i. 440.

Matopos, Galpin, 6953 ; March, Flanagan, 2980 ; Salisbury, Rand, 474 ; Victoria, Monro, 845 ; Gwelo, Sr. Phil. 37 ; Chirinda, fl. & fr. May, Swyn. 500 ; South Rhodesia, Rand, 118 ; Odzani River Valley, Umtali, Teague, 197.

O. caffra, *E. & Z.*

Fl. Trop. Afr. iii. 58 ; Fl. Cap. iii. 10 ; Cat. Afr. Pl. Welw. i. 444.

Bulawayo, 4500 ft. Nov. Eyles, 1220 ; Salisbury, May, Flanagan, 3255 ; Victoria, Monro, 851 ; Victoria Falls, Rogers, 5531.

O. capensis, *Linn. f.* (*Hedyotis capensis*, Lam.)

Fl. Trop. Afr. iii. 62 ; Fl. Cap. iii. 9 ; Cat. Afr. Pl. Welw. i. 446. South Rhodesia, Rand, 336.

O. cuspidata, *K. Schum.*

Cat. Afr. Pl. Welw. i. 443.

Gwai Forest, 3200 ft. Allen, 241.

O. cynanchica, *K. Schum.*

Melsetter, 6000 ft. Oct. Swyn. 6107.

O. decumbens, *Hiern.* (*Hedyotis decumbens*, Hochst.)

Fl. Trop. Afr. iii. 54 ; Fl. Cap. iii. 11 ; Cat. Afr. Pl. Welw. i. 442.

Victoria Falls, April, Flanagan, 3166.

O. Heynei, *Oliv.* (*Hedyotis Heynei*, R. Br.)

Fl. Trop. Afr. iii. 59 ; Fl. Cap. iii. 10.

Mazoe, 4600 ft. March, Eyles, 264 ; Bulawayo, Jan. Gardner, 73 ; Matopos, March, Flanagan, 2969 ; Victoria Falls, Rogers, 6026a ; South Rhodesia, Rand, 335 ; Odzani River Valley, Umtali, Teague, 271.

O. hirtula, *O. Kuntze.* (*Hedyotis hirtula*, Harv.)

Fl. Cap. iii. 12.

Mazoe, 5100 ft. April, Eyles, 346 ; Chimanimani Mts. 7000 ft. Sep. Swyn. 2152.

O. lasiocarpa, *Hiern.*

Fl. Trop. Afr. iii. 55.

Victoria Falls, April, Flanagan, 3243 ; Gwai, April, Flanagan, 3288.

O. natalensis, *O. Kuntze.* (*Hedyotis natalensis*, Hochst.)

Fl. Cap. iii. 12.

Chirinda, 3800 ft. fl. & fr. July, Swyn. 303.

O. obtusiloba, *Hiern.*

Fl. Trop. Afr. iii. 56.

Mazoe, 4400 ft. April, Eyles, 315.

Genus No.

O. papillosa, *K. Schum.*

Cat. Afr. Pl. Welw. i. 443.

Salisbury, Rand, 120.

O. rhodesiana, *S. Moore.*

Salisbury, Rand, 122.

O. thymifolia, *Prantl.* (*Hedyotis thymifolia*, Presl.)

Fl. Cap. iii. 11.

Bulawayo, Monro, 56 ; Rand, 121, 369 ; Odzani River Valley, Umtali, Teague, 260.

O. trinervia, *Retz.*

Fl. Trop. Afr. iii. 63 ; Cat. Afr. Pl. Welw. i. 449.

Chimanimani Mts. 7000 ft. Sep. Swyn. 1534.

O. Welwitschii, *Hiern.*

Cat. Afr. Pl. Welw. i. 442.

Gwelo, Jan. Gardner, 14.

O. sp.

Matopos, March, Flanagan, 2981.

8154—**Pentas carnea**, *Benth.* (*Neurocarpæa lanceolata*, R. Br.)

Fl. Trop. Afr. iii. 46 ; Cat. Afr. Pl. Welw. i. 438.

Salisbury, March, Flanagan, 3018 ; Rogers, 4072 ; Odzani River Valley, Umtali, Teague, 174.

P. nobilis, *S. Moore.*

Journ. Bot. 1908, 37.

Mazoe, 5000 ft. March, Eyles, 248 ; Dec. Eyles, 496.

P. purpurea, *Oliv.*

Fl. Trop. Afr. iii. 46.

Chirinda, 3800 ft. fl. Feb., April, June, Swyn. 274, 1152, 2143.

P. Woodii, *Scott-Elliott.*

Mazoe, 4500 ft. March, Eyles, 275 ; Salisbury, Rand, 1394 ;

Victoria, Monro, 816, 1040 ; Gwelo, Sr. Phil. 30.

8156—**Otomeria dilatata**, *Hiern.*

Fl. Trop. Afr. iii. 50 ; Cat. Afr. Pl. Welw. i. 440.

Upper Buzi, 3000 ft. fl. & fr. Nov. Dec. Swyn. 355, 2144 ; also Umswirizwi Riv., Chipinga, etc. Swyn.

8160—**Dirichletia pubescens**, *Klotzsch.*

Fl. Trop. Afr. iii. 51.

Victoria Falls, Allen, 106 ; Matopos, Rogers, 5414, 5533.

8212—**Crossopteryx kotschyana**, *Fenzl.*

Fl. Trop. Afr. iii. 44 ; Cat. Afr. Pl. Welw. i. 437.

Bulawayo, Rand, 415 ; Govt. Herb. 1076 ; Victoria Falls, Rogers, 5529.

Genus No.

8226—**Adina microcephala**, *Hiern*.

Fl. Trop. Afr. iii. 40; Cat. Afr. Pl. Welw. i. 434; For. Fl. Port. E. Afr. 70.

Upper Inyamadzi, 3300 ft. Dec. Swyn. 26; also Nyahodi, Lusitu, Upper Umswirizwi and between Umtali and Melsetter, Swyn.

8230—**Cephalanthus natalensis**, *Oliv.*

Lusitu Riv. 4000 ft. Sep. Swyn. 645; also Mt. Pene and Chimanimani Mts. Swyn.

8238—**Mussaenda arcuata**, *Poir.*

Fl. Trop. Afr. iii. 68; Cat. Afr. Pl. Welw. i. 453.

Chirinda Forest, 3800 ft. fl. & young fr. March, Swyn. 6636.

8255—**Urophyllum symplocoides**, *S. Moore*.

Journ. Linn. Soc. Bot. xl. 79.

Mt. Pene Forest, 6500 ft. Sep. Swyn. 1278.

8274—**Leptactinia lanceolata**, *K. Schum.*

Mazoe, 5200 ft. Jan. Eyles, 519; Salisbury, Rand; Victoria, Monro, 421.

8283—**Randia vestita**, *S. Moore*.

Journ. Bot. 1911, 150.

Salisbury, Rand, 1395; Victoria, Monro.

8285—**Gardenia asperula**, *Stapf & Hutch.*

Melsetter, 3500 ft. Oct. Swyn. 56; Chikore Hills, Nov. Swyn. 56a; Victoria, Monro, 384.

G. Neuberia, *E. & Z.*

Fl. Cap. III. 6; For. Fl. Cape, 234.

Umvumvumu Riv. 4000 ft. April, Swyn. 1401.

G. Norae *Swynnerton*.

Journ. Linn. Soc. Bot. xl. 80.

Chirinda Forest, 3700–4000 ft. Jan. Swyn. 11.

G. posoquerioides, *S. Moore*.

Journ. Linn. Soc. Bot. xl. 81.

Chirinda Forest, 3700–4000 ft. Nov. Jan. Swyn. 71, 6504.

G. resiniflua, *Hiern*.

Fl. Trop. Afr. iii. 102; For. Fl. Port. E. Afr. 73.

Victoria Falls, Allen, 59.

G. rothmannia, *Linn. f.*

Victoria, Monro, 733, 1051.

G. spatulifolia, *Stapf & Hutch.*

Sabi Riv. 1000 ft. Nov. Swyn. 715.

Genus No.

G. thunbergia, *Linn. f.*

Fl. Trop. Afr. iii. 100; Fl. Cap. iii. 6; For. Fl. Port. E. Afr. 72; For. Fl. Cape, 234; Nat. Pl. 40.

Sebakwe, 4000 ft. Sep. Eyles, 175; Umtali, Engler.

G. tigrina, *Welw.*

Cat. Afr. Pl. Welw. i. 462.

Chirinda Forest, 3700–4000 ft. Oct. Swyn. 10.

G. spp.

Salisbury, Rand, 570.

Shangani, Govt. Herb. 958.

Lomagundi, Govt. Herb. 986.

8293—**Oxyanthus Gerrardi**, *Sond. ?*

Fl. Cap. iii. 3; For. Fl. Cape, 235.

Chirinda Forest, 3700–4000 ft. fl. & fr. Jan. Feb. Swyn. 116.

O. Swynnertonii, *S. Moore.*

Journ. Linn. Soc. Bot. xl. 82.

Chirinda Forest, 3700–4000 ft. fl. Oct.–Dec. fr. Dec. Swyn. 76.

var. **breviflorus**, *S. Moore.*

Journ. Linn. Soc. Bot. xl. 83.

Chirinda Forest, Nov. Swyn. 76a.

8299—**Feretia æruginescens**, *Stapf.*

Kew Bull. 1906, 79.

Victoria Falls, Allen, 57.

8303—**Empogona Allenii**, *Stapf.*

Kew Bull. 1906, 79.

Victoria Falls, Oct. Nov. Allen, 55.

8308—**Tricalysia ligustrina**, *S. Moore.*

Journ. Linn. Soc. Bot. xl. 84.

Upper Buzi, 3000 ft. Sep. Oct. Swyn. 685, 1284.

T. myrtifolia, *S. Moore.*

Journ. Linn. Soc. Bot. xl. 83.

Upper Inyamadzi Valley, 3000 ft. Sep. Swyn. 1133; Upper Buzi Riv. 3500 ft. Oct. Swyn. 1283.

T. pachystigma, *K. Schum.* (*T. jasminiflora*, Hook.; *Coffea Engleri*, K. Krause.)

Fl. Trop. Afr. iii. 124; Journ. Bot. 1907, 199.

Bulawayo, Rand, 637; Matopos, Sep. Oct. Gibbs, 67; Galpin, 7085; Engler; Chimanimani Mts. 6500 ft. Sep. Swyn. 641, 1134; Mt. Pene, 6500–7000 ft. Oct. Swyn. 6068.

8326—**Heinsia jasminiflora**, *DC.*

Fl. Trop. Afr. iii. 81; For. Fl. Port. E. Afr. 71.

Chirinda Forest, 3700 ft. Nov. Dec. Swyn. 1258.

Genus No.

8337—**Heinsenia sylvestris**, *S. Moore*.

Journ. Linn. Soc. Bot. xl. 85.

Chirinda Forest, 3700–4000 ft. Oct. Swyn. 576, 689.

8338—**Cremaspora africana**, *Benth.*

Fl. Trop. Afr. iii. 126; Cat. Afr. Pl. Welw. i. 471.

Chirinda Forest, 3700–4000 ft. Dec. Swyn. 1285; also Chipete Forest, Swyn.

8348—**Pentania rhodesiana**, *S. Moore*.

Salisbury, Rand, 575, 1396.

P. Schweinfurthii, *Hiern*.

Fl. Trop. Afr. iii. 131.

Melsetter, 6000 ft., Mt. Pene, 7000 ft., North Melsetter, 5000–6000 ft. in. fl. April, Oct. Swyn. 2146, 6103, 6104, 6213.

P. sericocarpa, *S. Moore*. (*P. crassifolia*, K. Krause.)

See Journ. Bot. 1907, 198.

South Rhodesia, Rand, 619; North of Hartley, Engler; Salisbury, Sep. Engler, 3022.

P. variabilis, *Harv.*

Fl. Cap. iii. 24; Harv. Gen. S.A. Pl. 154; Nat. Pl. 251 (var.).

Salisbury, Darling; Odzani River Valley, Umtali, Teague, 83.

var. **intermedia**, *Sond.*

Fl. Cap. iii. 24.

Chirinda, 3800 ft. Swyn. 425.

8351—**Vangueria apiculata**, *K. Schum.*

Chirinda Forest, Dec. Swyn. 64; also along eastern border of South Melsetter, Swyn.

V. esculenta, *S. Moore*.

Journ. Linn. Soc. Bot. xl. 91.

Chirinda Forest, 3700–4000 ft. Sep. Oct. Swyn. 65.

var. **glabra**, *S. Moore*.

Journ. Linn. Soc. Bot. xl. 91.

Chirinda Forest, Dec. Swyn. 1307.

V. infausta, *Burch.*

Fl. Trop. Afr. iii. 147; Fl. Cap. iii. 13; Cat. Afr. Pl. Welw. i. 480; Nat. Pl. 369; For. Fl. Port. E. Afr. 75; For. Fl. Cape, 243.

Victoria Falls, Rogers, 5615, 5471; Chirinda, Swyn. 63; Chikore Hills, Swyn. 1290; fl. Oct. Dec. Swyn.

var. **virescens**, *Sond.* (*V. edulis*, Vahl, var. *Bainesii*, Hiern.)

Fl. Cap. iii. 14; see note Fl. Trop. Afr. iii. 148.

Mangwe Riv. Baines; Victoria Falls, Rogers, 5388; Bulawayo, Chubb 3a.

Genus No.

V. munjiro, *S. Moore.*

Journ. Linn. Soc. Bot. xl. 92.

Victoria, Monro, 605*a*.

V. Randii, *S. Moore.*

Journ. Bot. 1902, 252.

Bulawayo, Rand, 123; Monro, 97; Victoria, Monro, 692;
Matabeleland, Eyles, 1191.

V. rhodesiana, *S. Moore.*

Journ. Bot. 1909, 130.

Salisbury, Rand, 1349.

V. velutina *Hiern.*

Fl. Trop. Afr. iii. 151; For. Fl. Port. E. Afr. 75.

Mazoe, 5300 ft. Dec. Eyles, 201; Victoria Falls, Allen, 415;

Victoria, Monro, 639.

V. spp.

Victoria Falls, Allen, 184, cf. *V. parvifolia*, Sond.

Victoria, Monro, 548, 753*a*, 768.

8352—**Electronia abbreviata**, *K. Schum.* (*Canthium abbreviatum*,
S. Moore.)

Matopos, Oct. Gibbs, 278.

P. ciliata, *Sond.*

Fl. Cap. iii. 18; For. Fl. Cape, 241.

Victoria Falls, Rogers, 5587 (var.).

P. Gueinzii, *Sim.* (*Canthium Gueinzii*, *Sond.*)

Fl. Cap. ii. 16; For. Fl. Cape, 241.

Chipete Forest, April, Swyn. 170; Mt. Pene, 7000 ft. fr. Oct.
Swyn. 6101; also at Chikore and near Chirinda, Swyn.

P. lanciflora (*Hiern*), *Torre & Harms.* (*Canthium lanciflorum*,
Hiern.)

Fl. Trop. Afr. iii. 146.

Victoria Falls, Kirk; Salisbury, Rand, 552.

P. livida (*Hiern*), *Torre & Harms.* (*Canthium lividum*, *Hiern.*)

Fl. Trop. Afr. iii. 144.

Victoria, Monro, 796.

P. Oatesii (*Rolfe*), *Torre & Harms.* (*Canthium Oatesii*, *Rolfe.*)

Matabeleland, Oates.

P. Randii (*S. Moore*), *Torre & Harms.* (*Canthium Randii*, *S. Moore.*)

Journ. Bot. 1911, 152.

Salisbury, Rand, 1393; Victoria, Monro, 691.

P. Swynnertonii (*S. Moore*), *Torre & Harms.* (*Canthium Swynnertonii*, *S. Moore.*)

Journ. Linn. Soc. Bot. xl. 88.

Chirinda Forest, 3700–4000 ft. Nov. Swyn. 546.

Genus No.

- P. ventosa**, *L.* (*Canthium ventosum*, *S. Moore.*)
 Fl. Cap. iii. 17; Cat. Afr. Pl. Welw. i. 369; For. Fl. Cape, 240.
 Mt. Pene, 6500 ft. Sep. Swyn. 547.
- P. sp.**
 Gwai Forest, 3000 ft. Allen, 250.
- 8354—**Craterispermum laurinum**, *Benth.*
 Fl. Trop. Afr. iii. 160; Cat. Afr. Pl. Welw. i. 485.
 Chirinda, Oct. Swyn. 183.
- 8359—**Pachystigma Cienkowski** (*Schweinf.*), *Torre & Harms.* (*Fadogia Cienkowski*, *Schweinf.*)
 Fl. Trop. Afr. iii. 154; Cat. Afr. Pl. Welw. i. 481.
 Chirinda Forest, Swyn. 241; Mt. Pene, Swyn. 6122, 6502; in fl. Sep.—Dec. Swyn.
- P. lateritica** (*K. Krause*), *Torre & Harms.* (*Fadogia lateritica*, *K. Krause.*)
 North of Hartley, Engler.
- P. obovata** (*N. E. Br.*), *Torre & Harms.* (*Fadogia obovata*, *N. E. Br.*)
 Kew Bull. 1906, 105.
 Salisbury, Cecil, 141; Rand, 1348; Mazoe, 4300 ft. Dec. Eyles, 209.
- P. stenophylla** (*Welw.*), *Torre & Harms.* (*Fadogia stenophylla*, *Welw.*)
 Fl. Trop. Afr. iii. 155; Cat. Afr. Pl. Welw. i. 483.
 Salisbury, Rand, 629, 1370.
- P. tetraquetra** (*K. Krause*), *Torre & Harms.* (*Fadogia tetraquetra*, *K. Krause.*)
 Umtali, Sep. Engler, 3139.
- P. Zeyheri**, *Sond.* (*Fadogia Zeyheri*, *Sond.*; *Vangueria Zeyheri*, *Sond.*)
 Fl. Trop. Afr. iii. 153; Fl. Cap. iii. 15.
 Between Bulawayo and Victoria Falls, Davy; Lomagundi, Govt. Herb. 990.
- 8360—**Ancylanthus Bainesii**, *Hiern.*
 Fl. Trop. Afr. iii. 160.
 Victoria Falls, Allen, 97.
- 8381—**Coffea ligustroides**, *S. Moore.*
 Journ. Linn. Soc. Bot. xl. 94.
 Chipete Forest, 3800 ft. fl. Dec. ripe fr. July, Swyn. 67.
- C. Swynnertonii**, *S. Moore.*
 Journ. Linn. Soc. Bot. xl. 95.
 Chirinda, 3000 ft. in cultivation, fl. Oct. fr. Dec. Swyn. 578.
- 8383—**Pavetta angolensis**, *Hiern.*
 Cat. Afr. Pl. Welw. i. 485.
 Victoria, Monro, 666; Matopos, Rogers, 5260.

Genus No.

P. assimilis, *Sond.*

Fl. Cap. iii. 20.

Sebakwe, 4000 ft. Dec. Eyles, 168; Bulawayo, Monro, 49;

Victoria, Monro, 806.

P. Cecilae, *N. E. Br.*

Kew Bull. 1906, 106.

Selukwe, Cecil, 124; Mazoe, 5300 ft. Dec. Eyles, 203.

P. comostyla, *S. Moore.*

Journ. Linn. Soc. Bot. xl. 98.

Chiranda Forest, 3700–4000 ft. Jan. Swyn. 75.

P. Eylesii, *S. Moore.*

Journ. Bot. 1905, 47.

Matopos, 4500–5000 f. Nov. Eyles, 1159.

P. gardeniæfolia, *Hochst.*

Fl. Trop. Afr. iii. 177.

South Rhodesia, Rand, 421.

P. luteola, *Stapp.*

Kew Bull. 1906, 80.

Victoria Falls, Oct. Allen, 54.

P. neurophylla, *S. Moore.*

Journ. Bot. 1905, 47.

Bulawayo, 4500 ft. Dec. Eyles, 1140; Monro, 52.

P. obovata, *E. Mey.*

Fl. Cap. iii. 20; Nat. Pl. 313; For. Fl. Cape, 237.

Bulawayo, Monro, 54.

P. schumanniana, *K. Hoffm.*

Cat. Afr. Pl. Welw. i. 488.

Bulawayo, Monro, 104; Victoria Falls, Rogers, 7244; Chikore Hills, 3500 ft. Nov. Swyn. 1212.

P. stipulopallium, *K. Schum.*

Salisbury, Rand, 1350; Victoria, Monro, 666, 1056a; Nyahodi Riv. 5000 ft. April, Swyn. 2147.

P. Swynnertonii, *S. Moore.*

Journ. Linn. Soc. Bot. xl. 99.

Chirinda Forest, 3700–4000 ft. Jan. Swyn. 117.

P. spp.

Victoria Falls, Allen, 94, ? n. sp.; Rogers, 5049.

Victoria Falls, Rogers, 5553, cf. *P. gracilis*, Klotzsch.

Bulawayo, Monro, 53.

8399—**Psychotria hirtella**, *Oliv.*

Victoria Falls, Rogers, 5382.

P. sp.

Victoria, Monro, 802.

Genus No.

8402—**Grumilea punicea**, *S. Moore*.

Journ. Linn. Soc. Bot. xl. 101.

Chimanimani Mts. 7000 ft. fl. & unripe fr. Sep. Swyn. 563.

8410—**Geophila uniflora**, *Hiern*.

Fl. Trop. Afr. iii. 221 ; Cat. Afr. Pl. Welw. i. 498.

Chirinda Forest, 3700–4000 ft. March, Swyn. 350.

8435—**Galopina circæoides**, *Thunb.*

Fl. Cap. iii. 26.

Chirinda, fl. & fr. April, Swyn. 317.

8438—**Anthospermum ammanioides**, *S. Moore*.

Journ. Linn. Soc. Bot. xl. 102.

Melsetter, 6000 ft. April, Swyn. 2156.

A. ciliare, *L.*

Fl. Cap. iii. 28.

Matopos, Oct. Gibbs, 186.

A. hispidulum, *E. Mey.*

Fl. Cap. iii. 29.

Mazoe, 5100 ft. April, Eyles, 343.

A. lanceolatum, *Thunb.*

Fl. Cap. iii. 30.

Matopos, Sep. Gibbs, 93 ; Odzani River Valley, Umtali, Teague, 181.

A. Randii, *S. Moore*.

Salisbury, Rand, 475 ; Victoria, Monro, 326.

A. rigidum, *E. & Z.*

Fl. Cap. iii. 31.

Victoria, Monro, 884 ; South Rhodesia, Rand, 338 ; Bulawayo, Rogers, 13537*.

A. vallicolum, *S. Moore*.

Journ. Linn. Soc. Bot. xl. 103.

Chimanimani Mts. 7000 ft. Sep. Swyn. 2155.

A. sp.

Salisbury, May, Flanagan, 3196.

8450—**Otiophora inyangana**, *N. E. Br.*

Kew Bull. 1906, 107.

Inyanga, Cceil, 203 ; Mt. Pene, 7000 ft. Sep. Oct. Swyn. 2007, 6146.

O. scabra, *Zucc.*

Cat. Afr. Pl. Welw. i. 499 ; Journ. Bot. 1908, 76.

Mazoe, 5200 ft. Jan. Eyles, 522.

Genus No.

8464—**Richardsonia brasiliensis**, Hayne.

Chirinda, 3700 ft. fl. & fr. Nov. Swyn. 2134.

R. scabra, St. Hil. (*Richardia scabra*, L.)

Fl. Trop. Afr. iii. 242.

Salisbury, Rand, 1397.

8473—**Borreria arvensis**, K. Schum. (*Tardavel arvensis*, Hiern.)

Cat. Afr. Pl. Welw. i. 504.

Victoria, Monro, 981, 1020.

D. dibrachiata, K. Schum. (*Spermacoce dibrachiata*, Oliv.; *Tardavel dibrachiata*, Hiern.)

Fl. Trop. Afr. iii. 239; Cat. Afr. Pl. Welw. i. 507.

Umtali, Engler, Odzani River Valley, Teague, 12, 119;

Matopos, March, Flanagan, 2946; Mazoe, 4300–4800 ft. Jan.

Eyles, 243; Salisbury, Rogers, 5797, Kolbe.

B. natalensis, K. Schum. (*Spermacoce natalensis*, Hochst.)

Fl. Cap. iii. 24.

Chirinda, May, Swyn. 376, 518.

B. Ruelliae, K. Schum. (*Spermacoce Ruelliae*, DC.; *Tardavel scabra*, Hiern.)

Fl. Trop. Afr. iii. 238; Cat. Afr. Pl. Welw. i. 504.

Mazoe, 4400–4600 ft. March, Eyles, 271; Bulawayo, Monro, 941; Victoria Falls, Rogers, 5081a*.

B. stricta, K. Schum. (*Spermacoce stricta*, Linn. f.; *Tardavel stricta*, Hiern.)

Fl. Trop. Afr. iii. 236; Cat. Afr. Pl. Welw. i. 503.

Mazoe, 4600 ft. March, Eyles, 260.

B. subvulgata, K. Schum.

Odzani River Valley, Umtali, Teague, 225; Victoria Falls, Rogers, 7032*.

B. spp.

Gwai, April, Flanagan, 3193.

Salisbury, May, Flanagan, 3198.

8486—**Galium stenophyllum**, Baker.

Chipete, 3800 ft. fl. & fr. July, Swyn. 2141.

8489—**Rubia cordifolia**, L.

Fl. Trop. Afr. iii. 244; Fl. Cap. iii. 35.

Chirinda, 3800 ft. April, Swyn. 216; Odzani River Valley, Umtali, Teague, 215.

R. petiolaris, DC.

Fl. Cap. iii. 35.

Bulawayo, Jan. Gardner, 8; Rogers, 5684.

FAMILY CCLXXIV.—DIPSACACEAE, *Lindl.*

Genus No.

8546—**Scabiosa columbaria**, *L.*

Fl. Trop. Afr. iii. 252; Fl. Cap. iii. 43; Cat. Afr. Pl. Welw. i. 512.

Bulawayo, 4500 ft. Jan. Eyles, 61 (var.); Salisbury, Engler; Darling: Mazoe, 4300–4800 ft. Nov. Eyles, 452; Victoria, Monro, 949; Chirinda, April, Swyn. 278; Mt. Pene, Sep. Swyn. 1143; South Rhodesia, Rand, 98; Odzani River Valley, Umtali, Teague, 75.

SERIES CAMPANULATAE.

FAMILY CCLXXV.—CUCURBITACEAE, *Hall.*8562—**Melothria longepedunculata**, *Cogn.*

Chirinda Forest, 3700–4000 ft. Jan. Swyn. 232 (forma).

8591—**Momordica Balsamina**, *L.*

Fl. Trop. Afr. ii. 537; Fl. Cap. ii. 491; Cat. Afr. Pl. Welw. i. 394.

Victoria Falls, fl. & fr. Sep. Gibbs, 299; Allen, 179; Engler: July, Kolbe, 3135; Rogers, 5604, 5111.

M. clematidea, *Sond.*

Fl. Cap. ii. 491.

Wankie, Rogers, 13244*; Victoria Falls, Rogers, 13164*.

M. foetida, *Schum. & Thonn.*

Chirinda Forest, 3700–4000 ft. Dec. Swyn. 94.

M. involucrata, *E. Mey.*

Fl. Cap. ii. 491; Nat. Pl. 516.

Bulawayo, May, Rand, 327.

M. Morkorra, *A. Rich.* (*M. cordifolia*, *Sond.*)

Fl. Trop. Afr. ii. 538; Fl. Cap. ii. 492.

Mazoe, 4500 ft. Nov. Eyles, 473; Odzani River Valley, Umtali, Teague, 91.

M. spp.

Victoria Falls, Dec. Allen, 224.

South Rhodesia, Rand, 93.

8598—**Citrullus vulgaris**, *Schrad.* (*Colocynthis amarissima*, *Schrad.*)

Fl. Trop. Afr. ii. 549; Fl. Cap. ii. 494; Cat. Afr. Pl. Welw. i. 397.

Matopos, Rogers, 5659.

Genus No.

8599—**Cucumis Cecili**, *N. E. Br.*

Kew Bull. 1906, 104.

Inyanga, Cecil, 225.

C. Figarei, *Delile.* (*C. chrysocomus*, Schum. & Thonn.)

Fl. Trop. Afr. ii. 543; Cat. Afr. Pl. Welw. i. 396.

Victoria Falls, April, Flanagan, 3306; Matopos, Rogers, 5659a ?.

C. hirsutus, *Sond.*

Fl. Trop. Afr. ii. 546; Fl. Cap. ii. 497.

Bulawayo, Jan. Rand, 90 & 91.

C. naudinianus, *Sond.*

Fl. Cap. ii. 496 in part; Fl. Trop. Afr. ii. 549.

Bulawayo, Rogers, 5739.

C. Zeyheri, *Sond.*

Fl. Cap. ii. 496.

Chirinda, 3800 ft. May, Swyn. 496.

C. spp.

Bulawayo, Dec. Eyles, 50; Chubb, 322, 328.

8608—**Trochomeria macrocarpa**, *Hook. f.* (*Zehneria macrocarpa*, *Sond.*)

Fl. Trop. Afr. ii. 524; Fl. Cap. ii. 488; Harv. Gen. S.A. Pl. 125.

Mazoe, 4600 ft. Sep. Eyles, 424; Bulawayo, Monro, 70.

8612—**Peponium** (*Peponia*) **chirindensis**, *Baker f.*

Journ. Linn. Soc. Bot. xl. 74.

Chirinda, 3700–4000 ft. Nov. Swyn. 2102.

8628—**Coccinia palmata**, *Cogn.* (*Cephalandra palmata*, *Sond.*)

Fl. Cap. ii. 493; Nat Pl. 283.

Bulawayo, Jan. Rand, 87 & 89.

C. pubescens, *Sond.* (*Cephalandra pubescens*, *Sond.*)

Fl. Trop. Afr. ii. 551; Fl. Cap. ii. 493.

Bulawayo, Rogers, 5660.

C. sp.

Bulawayo, Rogers, 5708.

FAMILY CCLXXVI.—CAMPANULACEAE, *Juss.*

8663—**Prismatocarpus spp.**

Victoria Falls, Allen, 118; Rogers, 5617; April, Flanagan, 3162

8668—**Wahlenbergia arenaria**, *A. DC.*

Fl. Cap. iii. 581.

Between Salisbury and Macheke, Rogers, 4025.

W. banksiana, *A. DC.*

Fl. Cap. iii. 574.

Matabeleland, Oates.

Genus No.

W. Caledonica, *Sondl.*

Fl. Cap. iii. 579.

Matopos, 5000 ft. March, Eyles, 1065 ; March, Flanagan, 2964 ;
 Oct. Gibbs, 220 ; Mazoe, 4400 ft. April, Eyles, 306 ; Bulawayo,
 Monro, 12 ; Rand, 476 ; Victoria, Monro, 876 ; Inyanga,
 Cecil ; South Rhodesia, Rand, 358, 616.

W. mashonica, *N. E. Br.*

Kew Bull. 1906, 165.

Between Salisbury and Headlands, Cecil, 157.

W. Oatesii, *Rolfe.*

Matabeleland, Oates.

W. rhodesiana, *S. Moore.*

Journ. Linn. Soc. Bot. xl. 125.

Melsetter, 5000–6000 ft. fl. & fr. Oct. Swyn. 6225.

W. rivularis, *Diels ?.*

Victoria, Monro, 928.

W. saginoides, *S. Moore.*

Journ. Bot. 1911, 153.

Victoria, Monro, 649.

W. undulata, *A. DC.*

Fl. Cap. iii. 579 ; Nat. Pl. 37.

Gwelo, Jan. Gardner, 18 ; Bulawayo, Jan. Gardner, 71.

W. virgata, *Engl.*

Melsetter, April, Swyn. 2020 ; Mt. Pene, 6500–7000 ft. Sep.
 Swyn. 2021.

W. Zeyheri, *E. & Z.*

Fl. Cap. iii. 580.

Matabeleland, Jan. Eyles, 1056 ; North of Hartley, Engler ;
 Marandellas, Engler ; Umtali, Engler ; Victoria, Monro, 753,
 909.

W. spp.Salisbury, May, Flanagan, 3268, cf. *W. paniculata*, A. DC.

Salisbury, May, Flanagan, 3253.

Matopos, March, Flanagan, 2974 ; Eyles, 1028, 1147 ; Rogers,
 5685.

Victoria Falls, Feb. Allen, 288.

Gwai Forest, Jan. Allen, 242.

8670—**Lightfootia abyssinica**, *Hochst.*

Fl. Trop. Afr. iii. 474.

Mazoe, 4300–4800 ft. Sep. Eyles, 421 ; March, Flanagan, 3012 ;
 Salisbury, Rand, 478, 479 ; Chirinda, 3800 ft. May, Swyn.
 515 ; Odzani River Valley, Umtali, Teague, 259.

Genus No.

L. denticulata, *Sond.* (*L. capillaris*, Buek.)

Fl. Cap. iii. 559.

Matopos, 4800 ft. March, Eyles, 1038; March, Flanagan, 2961;

Rogers, 5685; Gwelo, Sr. Phil. 47.

L. glomerata, *Engl.*

Mazoe, 5100 ft. March, Eyles, 285; Flanagan, May, 3257.

L. juncea, *Sond.*

Fl. Cap. iii. 563.

Salisbury, Engler.

L. tenuifolia, *A. DC.*

Fl. Trop. Afr. iii. 475; Cat. Afr. Pl. Welw. i. 629.

Matopos, Sep. Gibbs, 35; Engler; Salisbury, Rand, 477; South Rhodesia, Rand, 359, 360.

L. sp.

Salisbury, May, Flanagan, 3229.

8681—**Cyphia alba**, *N. E. Br.*

Kew Bull. 1906, 165.

North of Umtali, Cecil, 163.

C. mazoensis, *S. Moore.*

Journ. Bot. 1907, 46.

Mazoe, 4700–4900 ft. Jan. Eyles, 231.

8694—**Lobelia Boivini**, *Sond.*

Fl. Cap. iii. 546.

Matopos, 5000 ft. March, Eyles, 1040.

L. cobaltica, *S. Moore.*

Journ. Linn. Soc. Bot. xl. 124.

Chimanimani Mts. 7000 ft. Sep. Swyn. 2036.

L. decipiens, *Sond.*

Fl. Cap. iii. 540.

Matabeleland, Oates; Matopos, Sep. Oct. Gibbs, 87; Marandellas, Engler; Rogers, 4041; Mt. Pene, 6000 ft. Oct. Swyn. 6081; Victoria, Monro, 583.

L. Erinus, *L.*

Fl. Cap. iii. 544.

Victoria Falls, Rogers, 5290.

L. fervens, *Thunb.*

Fl. Trop. Afr. iii. 468; Fl. Cap. iii. 548; Cat. Afr. Pl. Welw. i. 627.

Chirinda, 3800 ft. May, Swyn. 513.

L. fonticola, *Engl. & Gilg.*

Matopos, Sep. Gibbs, 96.

L. jugosa, *S. Moore.*

Journ. Linn. Soc. Bot. xl. 125.

Between Lusitu and Nyahodi Rivs. 5000 ft. Sep. Swyn. 2037;

Mt. Pene, Swyn. 6080?, 6085?, Victoria, Monro, 309.

Genus No.

L. microdon, *A. DC.* (*L. Erinus*, *L.* var. *microdon*, Sond.)

Fl. Cap. iii. 545.

Matopos, Sep. Oct. Gibbs, 37.

L. minutidentata, *Engl. & Gilg.*

Matopos, Oct. Gibbs, 272.

L. natalensis, *A. DC.*

Fl. Trop. Afr. iii. 469 ; Fl. Cap. iii. 545.

Plumtree, April, Flanagan, 3184 ; Mazoe, 5200 ft. April, Eyles, 348 ; Victoria, Monro, 327 ; South Rhodesia, Rand, 172 ; Odzani River Valley, Umtali, Teague, 222.

L. thermalis, *Thunb.* (*Parastranthus thermalis*, Sond.)

Fl. Cap. iii. 537 ; Cat. Afr. Pl. Welw. i. 625.

Bulawayo, 4500 ft. Oct. Eyles, 1076 ; Monro, 71 ; Gwelo, Jan. Gardner, 10 & 26 ; Matopos, Sep. Oct. Gibbs, 31.

L. trullifolia, *Hemsl.*

Fl. Trop. Afr. iii. 466.

Matopos, Oct. Gibbs, 271.

L. spp.

Salisbury, March, Flanagan, 3025.

Victoria Falls, Allen, 19, cf. *L. Erinus*, *L.* : Rogers, 5134.

Matopos, Nov. Eyles, 1105.

FAMILY CCLXXX.—COMPOSITE, *Vaill.*

8731—**Ethulia conyzoides**, *L.*

Fl. Trop. Afr. iii. 262 ; Fl. Cap. iii. 47.

Victoria Falls, Allen, 83 ; April, Flanagan, 3035 ; Rogers, 5082.

8740—**Erlangea Eylesii**, *S. Moore.*

Journ. Bot. 1908, 38.

Mazoe, 4400 ft. April, Eyles, 309.

E. laxa, *S. Moore.*

Matopos, 4800 ft. April, Eyles, 43 ; Mazoe, 4800 ft. March, Eyles, 293.

E. longipes, *S. Moore.*

Chirinda, Swyn. 391 ; Melsetter, Swyn. 1809.

E. Schinzii, *O. Hoffm.*

Victoria Falls, Sep. Gibbs, 298.

E. spp.

Gwai, April, Flanagan, 3070.

Victoria Falls, April, Flanagan, 3063 ; Rogers, 6156.

8746—**Bothriocline inyangana**, *N. E. Br.*

Kew Bull. 1906, 107.

Inyanga, Cecil, 227*a*.

Genus No.

8751—**Vernonia acuminatissima**, *S. Moore*.

Journ. Linn. Soc. Bot. xl. 104.

Upper Buzi, 3500 ft. May, Swyn. 1906.

V. Bainesii, *Oliv. & Hiern*.

Fl. Trop. Afr. iii. 272.

Salisbury, April, Flanagan, 3046; Chipetzana Riv. 4000 ft. April,

Swyn. 1903; between Lusitu and Nyahodi Rivs. 5000 ft.

Swyn. 1903*a*; Victoria, Monro, 1272; Odzani River Valley,

Umtali, Teague, 176.

V. cinerea, *Less.*

Fl. Trop. Afr. iii. 275; Cat. Afr. Pl. Welw. i. 521.

Victoria Falls, Rogers, 5042.

V. cistifolia, *O. Hoffm.* var. **rosea**, *O. Hoffm.*

Chirinda, 3800 ft. May, Swyn. 496.

V. fastigiata, *Oliv. & Hiern*.

Fl. Trop. Afr. iii. 282.

Bulawayo, May, June, Rand, 277 & 352; Chubb, 379; Gwelo,

Sr. Phil. 42; Nyamandhlovu, April, Flanagan, 3066.

V. gerberæformis, *Oliv. & Hiern*.

Fl. Trop. Afr. iii. 285.

Salisbury, Sep. Rand, 626; Melsetter, 6000 ft. Sep. Oct. Swyn.

1900; Mt. Pene, 6500–7000 ft. Swyn. 6112.

V. glabra, *Vatke*.

Fl. Trop. Afr. iii. 286.

Bulawayo, May, Rand, 353; Mazoe, 4300 ft. April, Eyles, 317;

April, Flanagan, 3058; Victoria Falls, April, Flanagan, 3064;

Chirinda, 3500 ft. April, Swyn. 1814; Chipetzana Riv. 3000 ft.

Aug. Swyn. 1831; Salisbury, Sep. Rand, 622 (var.); Odzani

River Valley, Umtali, Teague, 106.

V. gracilipes, *S. Moore*.

Journ. Linn. Soc. Bot. xl. 105.

Chimanimani Mts. 7000 ft. Sep. Swyn. 1830, 1830*a*; Mt. Pene,

6000 ft. Oct. Swyn. 6126, 6127.

var. **minor**, *S. Moore*.

Journ. Linn. Soc. Bot. xl. 106.

Chimanimani Mts. 7000 ft. Sep. Swyn. 1909.

V. hirsuta, *Sch. Bip.*

Fl. Cap. iii. 51; Nat. Pl. 335.

North Melsetter, 5000–6000 ft. Oct. Swyn. 6116, 6138.

V. Holstii, *O. Hoffm.*

Chirinda, 3700–4000 ft. June, Swyn. 523*a*.

V. humilis, *C. H. Wright*.

Salisbury, Dec. Rand, 153; May, Rand, 492.

Genus No.

8751—**V. integra**, *S. Moore*.

Journ. Bot. 1908, 39.

Mazoe, 4300–4800 ft. March, Eyles, 277; Gwelo, Sr. Phil. 3;

Umtali, Rogers, 4079*.

V. Kraussii, *Sch. Bip.*

Fl. Trop. Afr. iii. 276; Fl. Cap. iii. 51; Nat. Pl. 334.

Bulawayo, Dec. Rand, 150; Salisbury, May, Rand, 624; Darling;

Rogers, 4080; Matopos, Engler; Oct. Gibbs, 342; North of

Hartley, Engler; Umtali, Engler; Mt. Pene, 6000–7000 ft.

Sep., Umvumvumu Riv. 4000 ft. Oct. Swyn. 1827, 6002,

6141, 6142.

V. lancibracteata, *S. Moore*.

Journ. Bot. 1908, 293.

Mazoe, 4500–5000 ft. March, Eyles, 291.

V. livingstoniana, *Hiern*.

Fl. Trop. Afr. iii. 295.

Chirinda, Swyn.

V. mashonica, *N. E. Br.*

Kew Bull. 1906, 108.

Salisbury and Umtali, Cecil, 70, 229.

V. Melleri, *Oliv. & Hiern*.

Fl. Trop. Afr. iii. 282.

Salisbury, Aug. Rand, 494; April, Flanagan, 3047; Mazoe,

4500–4800 ft. Aug. Eyles, 185; Odzani River Valley, Umtali,

Teague, 97.

V. monocephala, *Harv.*

Fl. Cap. iii. 53; Nat. Pl. 331.

Melsetter, 6000 ft. Sep. Swyn. 1829; Chimanimani Mts. 7000 ft.

Oct. Swyn. 6144.

V. natalensis, *Sch. Bip.*

Fl. Trop. Afr. iii. 277; Fl. Cap. iii. 51; Nat. Pl. 333; Cat. Afr.

Pl. Welw. i. 522.

Salisbury, Engler; Chirinda, 3800 ft. Oct. Swyn. 275; Mt. Pene,

7000 ft. Swyn. 6145.

V. pauciflora, *Less.*

Fl. Trop. Afr. iii. 283.

Matopos, Rogers, 5360?.

V. Petersii, *Oliv. & Hiern*.

Fl. Trop. Afr. iii. 273; Cat. Afr. Pl. Welw. i. 519.

Deka, 2400 ft. May, Eyles, 135.

Genus No.

8751—**V. podocoma**, *Sch. Bip.*

Fl. Trop. Afr. iii. 296 ; Cat. Afr. Pl. Welw. i. 539.

Victoria Falls, Sep. Galpin, 7029 ; Matopos, fl. & fr. Sep.

Gibbs, 66 ; Mazoe, 4700 ft. Aug. Eyles, 386 ; Chirinda, Sep.

Swyn. 113 ; Odzani River Valley, Umtali, Teague, 258.

V. porphyrolepis, *S. Moore.*

Journ. Bot. 1908, 39.

Mazoe, 4800–5000 ft. May, Eyles, 371 : Odzani River Valley, Umtali, Teague, 71.

V. Poskeana, *Vatke & Hildebr.* var. **chlorolepis**, *Steetz.* (*V. steetziana*, Oliv. & Hiern.)

Fl. Trop. Afr. iii. 273, 274 ; Cat. Afr. Pl. Welw. i. 520.

Bulawayo, May, Rand, 344 ; Victoria Falls, 3000 ft. May, Eyles, 137 ; Chipetzana Riv. 3000 ft. Dec. Swyn. 1828a ; Mazoe,

4400 ft. April, Eyles, 311 ; Plumtree, April, Flanagan, 2067 ;

Odzani River Valley, Umtali, Teague, 96.

V. purpurea, *Sch. Bip.*

Fl. Trop. Afr. iii. 281.

Salisbury, April, Flanagan, 3042.

V. Randii, *S. Moore.*

Journ. Bot. 1899, 369.

Salisbury, July, Rand, 495, 1371 ; Mazoe, 4300–4800 ft. July, Aug. Eyles, 380, 387 ; Victoria, Monro, 338b, 358, 692 ;

Matopos, Rogers, 5162 ; Victoria Falls, Rogers, 5295 ; Odzani River Valley, Umtali, Teague, 250.

V. senegalensis, *Less.*

Fl. Trop. Afr. iii. 283 ; Fl. Cap. iii. 50 ; Cat. Afr. Pl. Welw. i. 528 ; For. Fl. Port. E. Afr. 77.

Victoria Falls, Allen, 33 ; Engler ; Rogers, 5054 ; Mazoe, April, Flanagan, 3052 ; Victoria, Monro, 338 ; Umvukwe, Govt. Herb. 1091.

V. tenoreana, *Oliv.*

Fl. Trop. Afr. iii. 290.

Salisbury, July, Rand, 497.

V. Wollastonii, *S. Moore.*

Victoria, Monro, 1550, 1990.

V. Woodii, *O. Hoffm.*

Salisbury, May, Flanagan, 3038 ; Victoria Falls, April, Flanagan, 3065 ; Victoria, Monro, 346 ; Melsetter, 6000 ft. April, Swyn.

1824 ; Upper Buzi, 3000 ft. May, Swyn. 1824a ; also Chirinda, Swyn.

Genus No.

7851—**V. spp.**Mazoe, April, Flanagan, 3078, cf. *V. turbinata*, Oliv. & Hiern.Victoria Falls, April, Flanagan, 3074; Allen, 131; Rogers, 5156, 5295a, 7015, cf. *V. demulans*, Vatke.

Bulawayo, Dec. Gardner, 84.

Matopos, March, Eyles, 1045; Rogers, 5171 & 5360, cf. *V. pauciflora*, Less.8775—**Elephantopus scaber**, *L.*

Fl. Trop. Afr. iii. 299; Cat. Afr. Pl. Welw. i. 540.

Mazoe, 4500–4800 ft. March, Eyles, 256.

8785—**Adenostemma viscosum**, *Forst.* (*A. caffrum*, DC.; *A. Dreyei*, DC.)

Fl. Trop. Afr. iii. 299; Fl. Cap. iii. 58; Cat. Afr. Pl. Welw. i. 542; Nat. Pl. 346.

Matopos, 5000 ft. Feb. Eyles, 1168; Rogers, 5693; Mazoe, 4300 ft. Dec. Eyles, 226; Salisbury, May, Flanagan, 3050; between Salisbury and Umtali, Rogers, 4072; Victoria Falls, April, Flanagan, 3049.

8816—**Eupatorium africanum**, *Oliv. & Hiern.*

Fl. Trop. Afr. iii. 301; Cat. Afr. Pl. Welw. i. 542.

Gwelo, Jan. Gardner, 43; North of Hartley, Engler; Umtali, Engler; Mazoe, 4300–4800 ft. Sep. Eyles, 431; Salisbury, Darling in Herb. Bolus, 10779; Rogers, 4012; South Rhodesia, Rand, 153.

8818—**Mikania scandens**, *Willd.* (*M. capensis*, DC.; *Willughbaeya scandens*, O. Kuntze.)

Fl. Trop. Afr. iii. 301; Fl. Cap. iii. 59; Cat. Afr. Pl. Welw. i. 543.

Mazoe, 4400 ft. April, Eyles, 362; Umtali, Engler; Victoria Falls, Sep. Galpin, 6962; Rogers, 5124, 7218; Victoria, Monroe, 823.

8865—**Grangea maderaspatana**, *Poir.*

Fl. Trop. Afr. iii. 304; Cat. Afr. Pl. Welw. i. 545.

Victoria Falls, Allen, 100.

8901—**Erigeron canadense**, *L.*

Fl. Cap. iii. 86; Harv. Gen. S.A. Pl. 173.

Salisbury, Aug. Rand, 481; Bulawayo, 4600 ft. Aug. Eyles, 1232; Macheke, Engler; Odzani River Valley, Umtali, Teague, 136.

8919—**Felicia angustifolia**, *Nees.*

Fl. Cap. iii. 73.

Bulawayo, Rogers, 13619*, 13668*.

F. fascicularis, *DC.* (*Aster muricatus*, Less. var. *fascicularis*, E. Mey.)

Fl. Cap. iii. 72.

South Rhodesia, Rand, 347.

Genus No.

F. hyssopifolia, *Nees*.

Bulawayo, Jan. Gardner, 79.

F. lutea, *N. E. Br.*

Kew Bull. 1901, 123.

Bulawayo, 4500 ft. Nov. Eyles, 1216; Sebakwe, 4000 ft. Dec.

Eyles, 161; Victoria, Monro, 1076; Gwelo, Sr. Phil. 34;

Odzani River Valley, Umtali, Teague, 118.

F. simulans? (*Detris simulans?*)

Salisbury, Aug. Rand. 491.

F. tenella, *DC.* (*Aster tenellus*, L.)

Fl. Cap. iii. 71.

South Rhodesia, Jan. Rand, 135.

F. sp.

Bulawayo, Chubb, 364, cf. *F. rigidula*, DC.

8923—**Psiadia arabica**, *Jaub. & Spach.*

Fl. Trop. Afr. iii. 319; Cat. Afr. Pl. Welw. i. 553.

Bulawayo, Jan. Rand, 138.

8925—**Nidorella auriculata**, *DC.*

Fl. Cap. iii. 88.

Matabeleland, Oates; Matopos, Rogers, 5359; Odzani River Valley, Umtali, Teague, 4.

N. depauperata, *Harv.*

Fl. Cap. iii. 90.

Victoria Falls, July, Kolbe, 3144; Swartz.

N. hirta, *DC.*

Fl. Cap. iii. 88.

Rusapi, Engler.

N. microcephala, *Steetz.*

Fl. Trop. Afr. iii. 310.

Umtali, Engler; Bulawayo, Chubb, 402; Chirinda, 3700–4000 ft. May, Swyn. 287.

N. namaquensis?

Matabeleland, Marloth.

N. resedifolia, *DC.*

Fl. Cap. iii. 88; Cat. Afr. Pl. Welw. i. 550.

Bulawayo, Dec. Rand, 137; Chubb, 320 p.p., 398; Nov. Eyles, 1110; Dec. Gardner, 99; Victoria Falls, Allen, 121.

N. sp.

Matopos, Rogers, 5186.

8926—**Conyza ægyptiaca**, *Ait.* (*Marsea ægyptiaca*, Hiern.)

Fl. Trop. Afr. iii. 314; Cat. Afr. Pl. Welw. i. 550.

Victoria Falls, Rogers, 5014.

Genus No.

C. costata, Harv.

Fl. Cap. iii. 114.

Odzani River Valley, Umtali, Teague, 217.

C. paucifolia, Oliv. & Hiern.

Victoria Falls, Rogers, 5015.

C. persicæfolia, Oliv. & Hiern. (*Marsea persicæfolia*, Hiern.)

Fl. Trop. Afr. iii. 312; Cat. Afr. Pl. Welw. i. 550.

Victoria Falls, Swartz; Chirinda, 3700–4000 ft. June, Swyn.
2066, 2065a; Odzani River Valley, Umtali, Teague, 144.**C. pinnatifida**, Less.

Fl. Cap. iii. 113.

Odzani River Valley, Umtali, Teague, 249.

C. variegata, Sch. Bip.

Fl. Trop. Afr. iii. 315.

Bulawayo, May, Rand, 357; Melsetter, 6000 ft. Oct. Swyn.
6128.**C. sp.**Victoria Falls, Rogers, 5325.¹8929—**Nolletia**.Victoria Falls, Rogers, 5109, cf. *N. rariflora*, Steetz.8936—**Brachylæna discolor**, DC.Fl. Cap. iii. 117; Nat. Pl. 23 & 24; For. Fl. Port. E. Afr. 77;
Flor. Fl. Cape, 247.

Victoria, Monro, 573.

B. rhodesiana, S. Moore.

Journ. Linn. Soc. Bot. xxxvii. 448.

Matopos, Sep. Gibbs, 72; Galpin, 7069; Bulawayo, Chubb, 25;
Inyamadzi Valley, 3000 ft. Swyn. 1856; Chipetzana Riv.
3000 ft. Swyn. 1857; also Chikore and Lusitu, Swyn.**B. rotundata**, S. Moore.

Victoria, Monro, 516.

B. spp.

Victoria, Monro, 478, 965.

8937—**Tarchonanthus camphoratus**, L.Fl. Cap. iii. 118; For. Fl. Port. E. Afr. 77; For. Fl. Cape,
245.South of Bulawayo, Galpin, 7008; Bulawayo, Engler; April,
Eyles, 64; Matopos, Sep. Gibbs, 315; Engler; Gwelo, Sr.
Phil. 52.**T. sp.**

South Rhodesia, Rand, 342.

¹ Rogers has this named *Microglossa volubilis*, DC.

Genus No.

8939—**Blumea Gariepina**, DC. (*Placus gariepinus*, O. Kuntze.)

Fl. Cap. iii. 120; Cat. Afr. Pl. Welw. i. 556.

Bulawayo, Dec. Rand, 278; Oct. Eyles, 1075; Chubb, 312; Mazoe, 4800 ft. Jan. Eyles, 235; Matopos, Sep. Gibbs; Victoria Falls, Allen, 408; Galpin, 7007; Gwelo, Sr. Phil. 51 & 55; South Rhodesia, Rand, 341.

B. lacera, DC. (*Placus lacerus*, O. Kuntze.)

Fl. Trop. Afr. iii. 322; Fl. Cap. iii. 119; Cat. Afr. Pl. Welw. i. 555.

Matopos, Sep. Gibbs, 269; Victoria Falls, Engler; Sep. Galpin, 7031; Bulawayo, Chubb, 302.

B. sp.

Victoria Falls, Rogers, 7421.

8940—**Laggera alata**, Sch. Bip.

Fl. Trop. Afr. iii. 326; Nat. Pl. 324; Cat. Afr. Pl. Welw. i. 556.

Matopos, Galpin, 6956; Rogers, 5179; Salisbury, April, Flanagan, 3053; Chirinda, 3800 ft. May, Swyn. 498; Odzani River Valley, Umtali, Teague, 133.

L. brevipes, Oliv. & Hiern.

Fl. Trop. Afr. iii. 327; Cat. Afr. Pl. Welw. i. 557.

Chirinda, 3500 ft. July, Swyn. 2066.

L. pterodonta, Sch. Bip. (*L. purpurascens*, Sch. Bip.)

Fl. Trop. Afr. iii. 324.

Salisbury, July, Aug. Rand, 480, 500; Mazoe, 4800 ft. June, Eyles, 376; Matopos, Rogers, 5385.

8941—**Pluchea Dioscoridis**, DC.

Fl. Trop. Afr. iii. 329.

Victoria Falls, Rogers, 7134*.

8949—**Denekia capensis**, Thunb.

Fl. Trop. Afr. iii. 331; Fl. Cap. iii. 119; Nat. Pl. 365.

Crocodile Riv. Oates; Matopos, Galpin, 6961; Nov. Eyles, 1118; Gibbs, 39; Victoria Falls, May, Eyles, 138; Gibbs, 156; Allen, 405; Rogers, 5278, 5039; Victoria, Monro, 335; Gwelo, Jan. Gardner, 45; Marandellas, Engler; Mazoe, 4200 ft. Sep. Eyles, 406.

8951—**Nicolasia nitens**, S. Moore.

Victoria Falls, Rogers, 7099*.

8953—**Epaltes gariepina**, Steetz.

Fl. Trop. Afr. iii. 332; Cat. Afr. Pl. Welw. i. 558.

Bulawayo, May, Rand, 354; Chubb, 360; Khami Riv. Oct. Eyles, 1085; Matopos, Oct. Gibbs, 195; Engler; Chipete Forest, 3800 ft. April, Swyn. 198; North Melsetter, Swyn. 1819.

Genus No.

8954—**Porphyrostemma alata?**

Umtali, Rogers, 4036.

8955—**Sphæranthus peduncularis, DC.**

Fl. Cap. iii. 115.

Bulawayo, May, Rand, 355 ; Aug. Eyles, 1231.

S. Randii, S. Moore.

Journ. Bot. 1908, 40.

Salisbury, Rand, 527 ; Mazoe, 4200 ft. Sep. Eyles, 405.

S. Steetzii, Oliv. & Hiern.

Fl. Trop. Afr. iii. 334.

Victoria Falls, Sep. Galpin, 7030.

8972—**Amphidoxa sp.**

Gwelo, Jan. Gardner, 51.

8990—**Achyrocline batocana, Oliv. & Hiern.**

Fl. Trop. Afr. iii. 339.

Matopos, Rogers, 5190 ; Macheke, Rogers, 4046.

8992—**Gnaphalium luteo-album, L.**

Fl. Trop. Afr. iii. 313 ; Fl. Cap. iii. 262.

Bulawayo, Dec. Rand, 136 ; Salisbury, Rand, 151 ; Bulawayo, 4600 ft. Aug. Eyles, 1236 ; Matopos, Sep. Gibbs, 40 ; Rogers, 5248 ; Gwelo, Jan. Gardner, 12.

9006—**Helichrysum acervatum, S. Moore.**

Journ. Linn. Soc. Bot. xl. 109.

Chimanimani Mts. 7000 ft. Sep. Swyn. 1845.

H. adenocarpum, DC.

Fl. Trop. Afr. iii. 350 ; Fl. Cap. iii. 229.

Chirinda, Chipetzana Riv., Nyahodi Riv. 4l. April, May, Swyn. 1842, 1843, 1843a, 1843b.

H. appendiculatum, Less.

Fl. Cap. iii. 242.

Chirinda, 3700 ft. May, Swyn. 1851 ; Upper Buzi, 3500 ft. Nov. Swyn. 1851a.

H. argyrosphærum, DC.

Fl. Trop. Afr. iii. 351 ; Fl. Cap. iii. 222 ; Cat. Afr. Pl. Welw. i. 562.

Bulawayo, Galpin, 7063 ; April, Flanagan, 3056 ; Matopos, Sep. Gibbs, 27 ; Engler ; Chirinda, 3700 ft. Aug. Swyn. 1806.

H. auriculatum, Less.

Fl. Trop. Afr. iii. 347 ; Fl. Cap. iii. 253 ; Cat. Afr. Pl. Welw. i. 562.

Chirinda, 3700 ft. June, Swyn. 1838.

H. brunioides, S. Moore.

Journ. Linn. Soc. Bot. xl. 111.

Chimanimani Mts. 7000 ft. Sep. Swyn. 1847.

Genus No.

9006—**H. Buchanani**, *Engl.*

Melsetter, 6000 ft. Sep. Swyn. 1905.

H. caespitium, *Sond.*

Fl. Cap. iii. 217.

Bulawayo, Jan. Rand, 100.

H. callicomum, *Harv.*

Fl. Cap. iii. 247.

Salisbury, May, Flanagan, 3048.

H. cymosum, *Less.*

Fl. Trop. Afr. iii. 353; Fl. Cap. iii. 245.

Matopos, 4500 ft. Feb. Eyles, 1169; Rogers, 5188; Umtali, Engler.

H. declinatum, *Less.*

Fl. Cap. iii. 218.

Salisbury, Dec. Rand, 152; Bulawayo, May, Rand, 351; Victoria Falls, Rogers, 5470.

H. ericæfolium, *Less.*

Fl. Cap. iii. 217.

Matopos, Sep. Gibbs, 10.

H. fulgidum, *Willd.*

Fl. Cap. iii. 232.

Matopos, Rogers, 5653.

H. gazense, *S. Moore.*

Journ. Linn. Soc. Bot. xl. 110.

Melsetter, 6000 ft. Sep. Swyn. 1853.

H. Kraussii, *Sch. Bip.*

Fl. Cap. iii. 249; Nat. Pl. 269.

Salisbury, July, Rand, 531; Matopos, Engler; Melsetter, May, Swyn. 1835; Upper Buzi, 3600 ft. Sep. Swyn. 1835a.

H. latifolium, *Less.*

Fl. Cap. iii. 237.

Umtali, Rogers, 4030; Chirinda, May, Swyn. 510.

H. leiopodium, *DC.*

Fl. Cap. iii. 239; Cat. Afr. Pl. Welw. i. 565.

Victoria, Monro, 859; Chirinda, 3800 ft. April, Swyn. 307; Lusitu Riv. 4000 ft. May, Swyn. 502; Mt. Pene, 6500–7000 ft. Sep. Swyn. 1837, 1852.

H. leptolepis, *DC.*

Fl. Cap. iii. 222.

Bulawayo, May, Rand, 348; Matopos, Sep. Gibbs, 11; Mazoe, April, Flanagan, 3055; Victoria, Monro, 452; Bulawayo, Aug. Eyles, 1246.

Genus No.

H. nitens, *Oliv. & Hiern*.

Fl. Trop. Afr. iii. 350.

Chirinda, Chimanimani Mts., Mt. Pene, Melsetter, in fl. Aug.-
Oct. Swyn. 280, 1836, 1839, 1840, 6111.**H. quinquenerve**, *Less.*

Fl. Cap. iii. 240.

Victoria Falls, Rogers, 5688*.

H. Saweri, *S. Moore*.

Journ. Bot. 1905, 170.

Penhalonga, 6000 ft. E. R. Sawyer.

H. setosum, *Harv.*

Fl. Cap. iii. 231.

Salisbury, July, Rand, 499; Bulawayo, 4500 ft. Feb. Eyles,
1170; Matabeleland, Marloth; Mazoe, 4300 ft. April, Eyles,
350; Matopos, Rogers, 5653?; Chirinda, Swyn. 279, 279a;
Melsetter, 6000 ft. April, Swyn. 281.**H. stenopterum**, *DC.*

Fl. Cap. iii. 244.

Salisbury, April, Flanagan, 3044.

var. **citrinum**, *S. Moore*.

Journ. Bot. 1908, 41.

Mazoe, 4400 ft. April, Eyles, 363; Melsetter, June, Swyn. 1841;
Chirinda Sep. Swyn. 1841a.**H. Swynnertonii**, *S. Moore*.

Journ. Linn. Soc. Bot. xl. 109.

Melsetter, 6000 ft. Oct. Swyn. 6110.

H. spp.Sicomy Vlei, 3200 ft. Allen, 230, cf. *H. setosum*, Harv.

Bulawayo, 4500 ft. June, Eyles, 152.

Matopos, Rogers, 5182, 5192.

9019—**Humea africana**, *S. Moore*.

Journ. Linn. Soc. Bot. xl. 112.

Chimanimani Mts. 7000 ft. Sep. Swyn. 1849.

9055—**Athrixia elata**, *Sond.*

Fl. Cap. iii. 292.

Mazoe, Sep. Rand, 484; July, Eyles, 383; Olzani River Valley,
Umtali, Teague, 196.**A. foliosa**, *S. Moore*.

Journ. Linn. Soc. Bot. xl. 113.

Melsetter, 6000 ft. July, Swyn. 1820.

A. oblonga, *S. Moore*.

Journ. Linn. Soc. Bot. xl. 112.

Chirinda, 3800 ft. Oct. Swyn. 276.

Genus No.

B. rosmarinifolia, *Oliv. & Hiern.*

Fl. Trop. Afr. iii. 355.

North Melsetter, 5000–6000 ft. Umvuvuvu, 4000 ft. Oct.

Swyn. 6135, 6137, 6137a, 6219.

9061—**Inula acervata**, *S. Moore.*

Chirinda, 3800 ft. May, Swyn. 460.

I. glomerata, *Oliv. & Hiern.*

Fl. Trop. Afr. iii. 359 ; Cat. Afr. Pl. Welw. i. 566.

Umtali, Engler, Odzani River Valley, Teague, 155.

9069—**Calostephane divaricata**, *Benth.*

Fl. Trop. Afr. iii. 363 ; Cat. Afr. Pl. Welw. i. 569.

North of Bulawayo, 3400 ft. May, Eyles, 82 ; between Salisbury and Bulawayo, April, Flanagan, 3069 (var.).

C. sp.

Salisbury, April, Flanagan, 3062.

9073—**Pegolettia senegalensis**, *Cass.*

Fl. Trop. Afr. iii. 361 ; Cat. Afr. Pl. Welw. i. 568.

Deka, 2400 ft. May, Eyles, 131 ; Victoria Falls, April, Flanagan, 3071 ; Rogers, 5063, 7052.

9078—**Pulicaria capensis**, *DC.*

Fl. Cap. iii. 121.

Bulawayo, May, Rand, 356 ; Matopos, Rogers, 5243.

P. longifolia, *Boiss.*

Gwelo, Jan. Gardner, 48.

9083—**Philgrophyllum Schinzii**, *O. Hoffm.*

Matopos, Rogers, 7928* ; Wankie, Rogers*.

9087—**Sphacophyllum flexuosum**, *Hutch.*

Kew Bull. 1906, 249.

Chimanimani Mts. 7000 ft. Sep. Swyn. 1866.

S. sparsum, *S. Moore.*

Journ. Linn. Soc. Bot. xl. 114.

Lusitu Riv. 3000 ft. April, Swyn. 1867.

9090—**Geigeria passerinoides**, *Harv.*

Fl. Cap. iii. 125.

Matopos, 4600 ft. March, Eyles, 1035.

G. protensa, *Harv.* var. **pubigera**, *S. Moore.*

Journ. Bot. 1899, 375 ; Fl. Cap. iii. 125 (type).

Bulawayo, Dec. Rand, 104.

G. pubescens, *S. Moore.*

Journ. Bot. 1899, 374.

Bulawayo, May, Rand, 345.

Genus No.

G. Randii, *S. Moore*.

Journ. Bot. 1899, 374.

Bulawayo, May, Rand, 346.

G. rhodesiana, *S. Moore*.

Journ. Bot. 1908, 41.

Mazoe, 4300 ft. April, Eyles, 318; Flanagan, 3061; Victoria,
 Monro, 968; Chirinda, 3800 ft. 490, Nyahodi Riv. 5000 ft.,
 Chipetzana Riv. 3000 ft. fl. April, May, Swyn. 490, 1817,
 1823.

G. Zeyheri, *Harv.*

Fl. Cap. iii. 126.

Crocodile Riv. Oates; Matopos, April, Flanagan, 3059.

G. spp.Matopos, April, Flanagan, 3060, cf. *G. africana*, Gr.

Matopos, Eyles, 1059.

Bulawayo, Chubb, 323.

9148—**Xanthium spinosum**, *L.*

Bulawayo, 4500 ft. Eyles, 99?; Salisbury, Govt. Herb. 797.

9160—**Siegesbeckia abyssinica**, *Oliv. & Hiern*.

Fl. Trop. Afr. iii. 372.

Victoria Falls, Rogers, 5032.

9169—**Sclerocarpus africanus**, *Jacq.*

Fl. Trop. Afr. iii. 374; Cat. Afr. Pl. Welw. i. 575.

Salisbury, April, Flanagan, 3037.

9192—**Wedelia abyssinica**, *Vatke*.

Fl. Trop. Afr. iii. 377.

Umtali, Rogers, 4063*; Bulawayo, 13559*.

W. africana, *P. Beauv.*

Fl. Trop. Afr. iii. 376; Cat. Afr. Pl. Welw. i. 576.

Salisbury, April, Flanagan, 3037a.

W. diversipapposa, *S. Moore*.

Journ. Bot. 1899, 401.

Bulawayo, Jan. Rand, 111.

W. menotriche, *Oliv. & Hiern*.

Fl. Trop. Afr. iii. 377.

Bulawayo, Rogers, 5910*; Salisbury, Rogers, 13089*.

W. spp.

Victoria Falls, Allen, 10, apparently undescribed.

Victoria Falls, Allen, 21, cf. *W. Menotriche*, Oliv. & Hiern.

Bulawayo, Chubb, 333.

9195—**Aspilia brachyphylla**, *S. Moore*.

Journ. Linn. Soc. Bot. xl. 115.

Chirinda, May, Swyn. 292, 495; Salisbury, Rogers, 13092*.

Genus No.

- 9411—**A. Eylesii**, *S. Moore*.
 Journ. Bot. 1907, 45.
 Sebakwe, 4000 ft. Dec. Eyles, 164.
- A. vulgaris**, *N. E. Br.*
 Kew Bull. 1906, 164.
 Between Salisbury and Umtali, Cecil, 43.
- A. zombensis**, *Baker*.
 Victoria Falls, Allen, 199.
- A. sp.**
 Victoria Falls, Allen, 254, cf. *A. Kotschyi*, Bth. & Hook.
- 9204—**Melanthera Brownei**, *Sch. Bip.*
 Fl. Trop. Afr. iii. 382; Cat. Afr. Pl. Welw. i. 579.
 Victoria Falls, Rogers, 5012, 5581; Chirinda, 3500 ft. Oct.
 Swyn. 293, 294.
- 9222—**Guizotia abyssinica**, *Cuss.*
 Fl. Trop. Afr. iii. 384.
 Salisbury, April, Flanagan, 3039.
- G. Eylesii**, *S. Moore*.
 Journ. Bot. 1908, 43.
 Mazoe, 4300 ft. April, Eyles, 349; Chirinda, 3800 ft. May,
 Swyn. 295; Odzani River Valley, Umtali, Teague, 175.
- 9227—**Coreopsis insecta**, *S. Moore*.
 Journ. Bot. 1908, 42.
 Mazoe, 4700 ft. March, Eyles, 266.
- C. Steppia**, *Steetz*.
 Fl. Trop. Afr. iii. 388; Cat. Afr. Pl. Welw. i. 584.
 Mazoe, 4400 ft. April, Eyles, 307.
- C. sp.**
 Between Wankie and Victoria Falls, Rogers, 6001.
- 9232—**Chrysanthellum procumbens**, *Pers.*
 Fl. Trop. Afr. iii. 395; Cat. Afr. Pl. Welw. i. 588.
 Bulawayo, Jan. Rand, 148; Jan. Gardner, 81; Rogers, 5926;
 Victoria Falls, Rogers, 6026*.
- 9237—**Bidens pilosa**, *L.*
 Fl. Trop. Afr. iii. 392; Fl. Cap. iii. 133; Cat. Afr. Pl. Welw.
 i. 587.
 Bulawayo, May, Rand, 340; Mazoe, 4300–4800 ft. March,
 Eyles, 296; Victoria Falls, Rogers; Odzani River Valley,
 Umtali, Teague, 149.
- B. prolixus**, *S. Moore*.
 Journ. Linn. Soc. Bot. xl. 116.
 Melsetter, fl. & fr. April, Swyn. 1884.

Genus No.

- B. Schimperi**, *Sch. Bip.*
 Fl. Trop. Afr. iii. 393.
 Victoria Falls, April, Flanagan, 3036, 3041; Gwelo, Kolbe.
- 9262—**Jaumea compositarum**, *Benth. & Hook.*
 Fl. Trop. Afr. iii. 395.
 Salisbury, April, Flanagan, 3077; Gwelo, Sr. Phil. 36.
- J. elata** (*N. E. Br.*), *Torre & Harms.* (*Hypericophyllum elatum*,
N. E. Br.)
 Chipetzana Riv. 3000 ft. April, Swyn. 1816.
- 9291—**Schkuhria bonariensis**, *L.*
 Bulawayo, Rogers, 5911, a weed of cultivation.
- 9311—**Tagetes glandulifera**, *Schrank.*
 Bulawayo, Monro, 79; Chubb, 341.
- T. minuta**, *L.*
 Salisbury, March, Flanagan, 3015; Gwelo, Sr. Phil. 54;
 Bulawayo, Chubb, 10a.
- 9351—**Cotula anthemoides**, *L.*
 Fl. Trop. Afr. iii. 397; Fl. Cap. iii. 182; Cat. Afr. Pl. Welw. i.
 590.
 Bulawayo, 4600 ft. Aug. Eyles, 1238; Monro, 36; Matopos,
 Rogers, 5245.
- 9356—**Schistostephium artemisiifolium**, *Baker.*
 Umtali, Engler.
- S. heptalobum**, *Benth. & Hook.*
 Fl. Trop. Afr. iii. 399.
 Salisbury, April, Flanagan, 3041; Chirinda, 3500 ft. May, Swyn.
 491; Melsetter, 6000 ft. Sep. Swyn. 1808.
- S. oxylobum**, *S. Moore.*
 Journ. Linn. Soc. Bot. xl. 117.
 Chimanimani Mts. 7000 ft. Sep. Swyn. 1871; Mt. Pene, 7000 ft.
 Oct. Swyn. 6132.
- 9358—**Artemisia afra**, *Jacq.*
 Fl. Cap. iii. 170; Cat. Afr. Pl. Welw. i. 590; Harv. Gen. S.A.
 Pl. 185.
 Crocodile Riv. Oates; Salisbury, July, Rand, 496; April,
 Flanagan, 3045; Mazoe, 4300 ft. April, Eyles, 351; Chirinda,
 3700 ft. July, Swyn. 446; Melsetter, 6000 ft. Swyn. 646;
 Lusitu Riv. Swyn. 646a, 646b; Nyahodi Riv. Swyn. 1822;
 Odzani River Valley, Umtali, Teague, 92.
- 9374—**Congrothamus** sp.
 Victoria, Monro 1018.

Genus No.

- 9401—**Lopholæna brickellioides**, *S. Moore*.
Journ. Linn. Soc. Bot. xl. 118.
Chimanimani Mts. 7000 ft. Sep. Swyn. 1802; Mt. Pene, 7000 ft.
Oct. Swyn. 6033.
- L. Randii**, *S. Moore*.
Gwelo, Sr. Phil. 4.
- 9405—**Gynura cernua**, *Benth.* (*Crassocephalum cernuum*, Moench.)
Fl. Trop. Afr. iii. 402; Cat. Afr. Pl. Welw. i. 593.
Salisbury, Aug. Rand, 493.
- G. crepidoides**, *Benth.* (*Crassocephalum diversifolium*, Hiern, var.
crepidoides, Hiern.)
Fl. Trop. Afr. iii. 403; Cat. Afr. Pl. Welw. i. 594.
Salisbury, April, Flanagan, 3072.
- G. sarcobasis**, *DC.*
Matopos, 4800 ft. April, Eyles, 40.
- G. vitellina**, *Benth.*
Fl. Trop. Afr. iii. 402.
Mazoe, 4300 ft. Dec. Eyles, 227.
- 9406—**Cineraria lobata**, *L'Herit.*
Fl. Cap. iii. 311.
Melsetter, 6000 ft. Sep. Swyn. 1875.
- C. mazoensis**, *S. Moore*.
Journ. Bot. 1908, 43.
Mazoe, 5000–5200 ft. April, Eyles, 345.
- 9411—**Senecio acervatus**, *S. Moore*.
Journ. Linn. Soc. Bot. xl. 121.
Chirinda Forest, 3700–4000 ft. Oct. Swyn. 665.
- S. barbertonicus**, *Klatt*, var. **microcephala**, *S. Moore*.
Journ. Linn. Soc. Bot. xxxvii. 451.
Matopos, Oct. Gibbs, 250; Bulawayo, 4500 ft. Aug. Eyles, 1239.
- S. bupleuroides**, *DC.*
Fl. Trop. Afr. iii. 414; Fl. Cap. iii. 378.
Salisbury, Darling; May, Flanagan, 3079.
- S. deltoideus**, *Less.*
Fl. Trop. Afr. iii. 420; Fl. Cap. iii. 403; Nat. Pl. 382.
Chirinda, 3700–4000 ft. Feb. Swyn. 288; Chipete Forest, 3800
ft. June, Swyn. 288a; Mt. Pene, Oct. Swyn. 6131.
- S. discifolius**, *Oliv.*
Fl. Trop. Afr. iii. 410.
Gwelo, Jan. Gardner, 35.

Genus No.

9411—**S. erubescens**, *Ait.*

Fl. Cap. iii. 363; Cat. Afr. Pl. Welw. i. 597.

Matopos, Oct. Gibbs, 241; Chirinda, 3700–4000 ft. Nov. Swyn. 1812; Macheke, Rogers, 4045*; Bulawayo, Rogers, 5519*.

S. gazensis, *S. Moore.*

Journ. Linn. Soc. Bot. xl. 121.

Melsetter, 6000 ft. Oct. Swyn. 6143.

S. homoplasticus, *S. Moore.*

Journ. Linn. Soc. Bot. xl. 120.

Chirinda, 3500 ft. Oct. Swyn. 288.

var. **tomentellus**, *S. Moore.*

Journ. Linn. Soc. Bot. xl. 121.

Chirinda, 3500 ft. Swyn. 288a.

S. lasiorhizus, *DC.* (*S. coronatus*, Harv.)

Fl. Trop. Afr. iii. 415; Fl. Cap. iii. 369; Cat. Afr. Pl. Welw. i. 598.

Bulawayo, Dec. Rand, 139; Nov. Eyles, 1222; Salisbury, Sep. Rand, 628 (var.); Engler; Darling; Matopos, Sep. Gibbs, 189; Salisbury, Rogers, 4026.

S. latifolius, *DC.*

Fl. Cap. iii. 377; Cat. Afr. Pl. Welw. i. 598.

Bulawayo, Dec. Rand, 140; Salisbury, Engler; Chirinda, Nov. Swyn. 1876, 1944; also Melsetter Dist. Swyn.

S. longiflorus, *Oliv. & Hiern.* (*Kleinia longiflora*, DC.)

Bulawayo, 4500 ft. fl. Sep. fr. Oct. Eyles, 1083; Engler.

S. othonnæflorus, *DC.*

Fl. Cap. iii. 373.

Bulawayo, 4500 ft. Nov. Eyles, 1223.

S. oxyriæfolius, *DC.*

Fl. Cap. iii. 376.

Chimanimani Mts. 7000 ft. Sep. Swyn. 1946; Bulawayo, Rogers, 13563*.

S. picridifolius, *DC.*

Fl. Trop. Afr. iii. 413; Fl. Cap. iii. 379; Cat. Afr. Pl. Welw. i. 597.

Salisbury, April, Flanagan, 3076; Umtali, Rogers, 4052.

S. propior, *S. Moore.*

Journ. Linn. Soc. Bot. xl. 118.

Chimanimani Mts. 7000 ft. Sep. Swyn. 1879.

S. protracta (*S. Moore*), *Torre & Harms.* (*Emilia protracta*, *S. Moore.*)

Journ. Bot. 1905, 48.

Victoria Falls, 3000 ft. May, Eyles, 119; April, Flanagan, 3234; Rogers, 5023.

Genus No.

S. purpureus, L.

Fl. Cap. iii. 363.

Macheke, Rogers, 4048.

S. Randii, S. Moore.

Journ. Bot. 1899, 402.

Salisbury, Sep. Rand, 625.

S. rosmarinifolius, L. f.

Fl. Cap. iii. 100.

Matopos, Oct. Gibbs, 43; April, Flanagan, 3081; Gwelo, Sr. Phil. 31.

S. sagittata (DC.), Torre & Harms. (*Emilia sagittata*, DC.; *Emilia flammea*, Cass.)

Fl. Trop. Afr. iii. 405; Cat. Afr. Pl. Welw. i. 595.

Mazoe, 5000 ft. March, Eyles, 288; April, Flanagan, 2057; Odzani River Valley, Umtali, Teague, 16.

S. sarmentosus, O. Hoffm.

Mazoe, 4300 ft. July, Eyles, 379.

S. Serra, Sond.

Fl. Cap. iii. 389.

Matopos, May, Flanagan, 3080.

S. tamoides, DC.

Fl. Cap. iii. 404; Nat. Pl. 95.

Chipete Forest, 3800 ft. Swyn. 1877.

S. tenellulus, S. Moore.

Journ. Linn. Soc. Bot. xxxvii. 449.

Matopos, Oct. Gibbs, 203.

S. spp.

Salisbury, April, Flanagan, 3073, cf. *S. myriocephalus*, Sch. Bip.

Salisbury, Darling, in Herb. Bolus, 10780.

Matopos, Rogers, 5183.

Victoria Falls, Allen, 15, cf. *S. sagittata* (DC.)

9417—**Euryops osteospermum, S. Moore.**

Journ. Bot. 1899, 403.

Salisbury, July, Rand, 498.

var. **parvifolia, S. Moore.**

Journ. Bot. 1899, 403.

Salisbury, Dec. Rand, 109.

9420—**Othonna ambifaria, S. Moore.**

Journ. Bot. 1899, 403.

Shashi Riv. Jan. Rand, 110.

9427—**Osteospermum herbaceum, Linn. f.**

Fl. Cap. iii. 435.

Salisbury, Aug. Rand, 489.

Genus No.

O. moniliferum, *Linn.*

Fl. Cap. iii. 436 ; Nat. Pl. 55.

Salisbury, Aug. Rand, 487 (var.) ; Melsetter, 6000 ft. Swyn. 497 ;
Chirinda, 3500 ft. Swyn, 1858 ; Mt. Pene, Swyn. 1858a ;
Haroni Riv. 5000 ft. Swyn. 6130 ; in fl. May, Sep. Oct. Swyn.**O. muricatum**, *E. Mey.*Fl. Trop. Afr. iii. 425 ; Fl. Cap. iii. 441 ; Cat. Afr. Pl. Welw. i.
607.Salisbury, Aug. Rand, 339 ; Matopos, fl. & fr. Sep. Gibbs, 22 ;
Galpin, 6990 ; Bulawayo, Chubb, 351, 371 ; Rogers, 5932.9428—**Tripteris amplexicaulis**, *Less.*

Fl. Cap. iii. 427 ; Cat. Afr. Pl. Welw. i. 607.

Salisbury, Sep. Rand, 485 ; Mazoe, 4300–4800 ft. Oct. Eyles,
437 ; Victoria, Monro, 727 ; Mt. Pene, 6500–7000 ft. Sep.
Swyn. 1859.**T. monocephala**, *Oliv. & Hiern.*

Fl. Trop. Afr. iii. 424.

Salisbury, Rogers, 4001 ; Mt. Pene, 7000 ft. Oct. Swyn. 6161.

T. sp.Salisbury, Darling, in Herb. Bolus, 10777, cf. *T. monocephala*,
*Oliv. & Hiern.*9432—**Arctotis scaposa** (*Harr.*) *Torre & Harms.* (*Haplocarpha scaposa*,
Harv.)

Fl. Trop. Afr. iii. 427 ; Fl. Cap. iii. 465.

Bulawayo, Dec. Rand, 99 ; Gwelo, Jan. Gardner, 80 ; Plumtree,
April, Flanagan, 3032.9434—**Gazania krebsiana**, *Less.*

Fl. Cap. iii. 475.

Salisbury, Rand, 490.

var. **hispidula**, *Harv.*

Fl. Cap. iii. 476.

Mazoe, 4300 ft. Aug. Eyles, 184 ; Matopos, fl. & fr. Sep. Gibbs,
75 ; Victoria, Monro, 444 ; Mt. Pene, Oct. Swyn. 6115.9436—**Berkheyopsis integrifolia**, *Volk.*

Bulawayo, Dec. Rand, 133.

B. bechuanensis, *S. Moore.*

Bulawayo, Rogers, 5496*, 13554*.

B. spp.

Plumtree, April, Flanagan, 3033.

9438—**Berkheya Adlami**, *Hook. f.*Sebakwe, 4000 ft. Dec. Eyles, 118 ; Victoria, Monro, 964 ;
Bulawayo, Rand, 149.

Genus No.

B. gorterioides, *Oliv. & Hiern.*

Fl. Trop. Afr. iii. 429.

Bulawayo, Rogers, 13555*.

B. setifera, *DC. var. tropica*, *S. Moore.*

Journ. Linn. Soc. Bot. xl. 123; Fl. Cap. iii. 509 (type).

Lusitu Riv. 5000 ft. Sep. Swyn. 1869.

B. subulata, *Harv.*

Fl. Cap. iii. 507; Nat. Pl. 225.

Mazoe, 4500 ft. Aug. Eyles, 178; Salisbury, Darling; Odzani River Valley, Umtali, Teague, 9.

B. Zeyheri, *Sond. & Harv.*

Fl. Trop. Afr. iii. 429.

Gwelo, Jan. Gardner, 6; Bulawayo, Jan. Rand, 113; Haroni Riv. 5600 ft. Sep. Swyn. 1868; Melsetter, 6000 ft. Oct. Swyn. 6114.

B. spp.

Salisbury, Rogers, 4065.

Victoria Falls, Flanagan, 3031, 3034.

9476—**Centaurea rhizocephala**, *Oliv. & Hiern. var. australis?*

Fl. Trop. Afr. iii. 438 (type).

Salisbury, Aug. Rand, 482; Mazoe, 4400–4800 ft. Aug. Eyles, 397.

C. sp.

Salisbury, Darling in Herb. Bolus, 10776.

9499—**Pleiotaxis Antunessii**, *O. Hoffm.*

Cat. Afr. Pl. Welw. i. 611.

Mazoe, 4500–5000 ft. March, Eyles, 287; April, Flanagan, 3054.

P. spp.

Gwelo, Sr. Phil. 2; Salisbury, Rogers, 4079.

9501—**Dicoma anomala**, *Sond.*

Fl. Trop. Afr. iii. 443; Fl. Cap. iii. 517; Cat. Afr. Pl. Welw. i. 614.

Bulawayo, June, Rand, 486; Salisbury, Darling; Matopos, Rogers, 5358; Victoria Falls, Rogers, 7151; North Melsetter, April, Swyn. 1818; Odzani River Valley, Umtali, Teague, 153.

var. **microcephala**, *Harv.*

Fl. Trop. Afr. iii. 443; Fl. Cap. iii. 517.

Matopos, 4500 ft. Feb. Eyles, 1176; Victoria, Monro, 883.

var. **Sonderi**, *Harv.*

Fl. Trop. Afr. iii. 443; Fl. Cap. iii. 517.

Plumtree, April, Flanagan, 3029.

D. Kirkii, *Harv.*

Fl. Trop. Afr. iii. 444; Fl. Cap. iii. 518.

Salisbury, May, Flanagan, 3051; Gwelo, Sr. Phil. 41; Odzani River Valley, Umtali, Teague, 154.

Genus No.

var. **angustifolia**, *S. Moore*.

Journ. Linn. Soc. Bot. xl. 123.

Chirinda, 3800 ft. May, Swyn. 444 ; Victoria, Monro, 413, 1100c.

D. Schinzii, *O. Hoffm.*

Victoria Falls, Rogers, 5300 (var.).

D. sessiflora, *Harr.*

Fl. Trop. Afr. iii. 444 ; Fl. Cap. iii. 518.

Mazoe, 4800 ft. Aug. Eyles, 186 (var. ?).

D. tomentosa, *Cass.*

Fl. Trop. Afr. iii. 443 ; Cat. Afr. Pl. Welw. i. 613.

Deka, 2400 ft. May, Eyles, 136.

9504—**Erythrocephalum zambesianum**, *Oliv. & Hiern.*

Fl. Trop. Afr. iii. 441.

Chirinda, Oct. Swyn. 236.

9528—**Gerbera abyssinica**, *Sch. Bip.* (*Perdicium abyssinicum*, Hiern.)

Fl. Trop. Afr. iii. 445 ; Cat. Afr. Pl. Welw. i. 615.

Salisbury, Sep. Rand, 623 ; Gwelo, Jan. Gardner, 36 ; Mt. Pene,
6500 ft. Sep. Oct. Swyn. 1821, 6113.

G. ambigua, *Sch. Bip.*

Fl. Cap. iii. 522.

Umtali, Rogers, 4033.

G. discolor, *Sond.*

Fl. Cap. iii. 522.

Salisbury, April, Flanagan, 3043.

G. piloselloides, *Cass.* (*Perdicium piloselloides*, Hiern.)

Fl. Trop. Afr. iii. 445 ; Fl. Cap. iii. 522 ; Cat. Afr. Pl. Welw. i. 615.

Salisbury, Dec. Rand, 112 ; Matopos, fl. & fr. Oct. Gibbs, 257 ;
Chirinda, 4500 ft. Nov. Swyn. 1870.

G. plantaginea, *Harr.*

Fl. Cap. iii. 522.

Mazoe, 4800 ft. Aug. Eyles, 400 ?

G. viridifolia, *Sch. Bip.* (*G. natalensis*, Sch. Bip.)

Fl. Cap. iii. 523 ; Nat. Pl. 546.

Crocodile Riv. Oates ; Salisbury, Darling ; Rogers, 4006, 4005.

G. sp.

Salisbury, Rogers, 4076.

9561—**Tolpis sp.** (*Swertia* sp.)

Victoria, Monro, 580.

9595—**Sonchus Bipontini**, *Aschers.* var. **pinnatifidus**, *Oliv. & Hiern.*

Fl. Trop. Afr. iii. 458.

Chirinda, 3800 ft. May, Swyn. 1886.

Genus No.

S. elliotanus, *Hiern*.

Cat. Afr. Pl. Welw. i. 623.

Salisbury, Sep. Rand, 483; Bulawayo, Chubb, 348.

S. macer, *S. Moore*.

Journ. Bot. 1899, 404.

Salisbury, Sep. Rand, 627.

S. oleraceus, *L.*

Fl. Trop. Afr. iii. 457; Fl. Cap. iii. 528; Cat. Afr. Pl. Welw. i. 622.

Gwelo, Sr. Phil. 45; a common weed, Rogers.

S. violaceus, *O. Hoffm.*

Salisbury, Rogers, 4062*.

9596—**Lactuca capensis**, *Thunb.*

Fl. Trop. Afr. iii. 452; Fl. Cap. iii. 526; Cat. Afr. Pl. Welw. i. 621.

Bulawayo, May, Rand, 349; Jan. Eyles, 67; Chubb, 374, 376,

381; Salisbury, July, Rand, 488; Darling; Matopos, Nov.

Eyles, 1149; fl. & fr. Sep. Gibbs, 52; Gwelo, Jan. Gardner,

39; North of Hartley, Engler; Mazoe, 4300-4800 ft. Oct.

Eyles, 438; Victoria, Monro, 446, 446a; Odzani River Valley,

Umtali, Teague, 76, 122, 123.

L. virosa, *Thunb.* (*L. dregeana*, DC.)

Fl. Cap. iii. 526.

Matopos, Engler.

ALPHABETICAL LIST.

Names of FAMILIES are given in capitals.

Names of Genera are printed close to margin and not repeated.

Names of Species are slightly inset.

Names of Synonyms are printed in *italics*.

	PAGE		PAGE
<i>Aberia</i>	423	Acalypha —	
<i>caffra</i> , Hook f.	423	<i>caperonioides</i> , Baill.	396
<i>macrocalyx</i> , Oliv.	423	<i>chrindica</i> , S. Moore	396
<i>Zeyheri</i> , Sond.	423	<i>ciliata</i> , Forsk.	396
<i>Abrus</i>	380	<i>indica</i> , L.	396
<i>precatorius</i> , L.	380	<i>ornata</i> , Hochst.	396
<i>Abutilon</i>	412	<i>paniculata</i> , Miq.	396
<i>angulatum</i> , Mast.	412	<i>peduncularis</i> , Meisn.	396
<i>asiaticum</i> , Don.	413	<i>petiolaris</i> , Hochst.	396
<i>Cecili</i> , N. E. Br.	412	<i>punctata</i> , Meisn.	396
<i>fruticosum</i> , G. & P.	412	<i>segetalis</i> , Müll. Arg.	396
<i>hirsutissimum</i> , Moench	413	<i>senensis</i> , Klotzsch	396
<i>intermedium</i> , Hochst.	412	<i>villicaulis</i> , Hochst.	397
<i>matopense</i> , Gibbs.	413	<i>zambesica</i> , Müll. Arg.	396
<i>Sonneratianum</i> , Sweet	413	ACANTHACEAE	480
<i>zanzibaricum</i> , Boy.	413	<i>Achyranthes</i>	348
<i>Acacia</i>	361	<i>argentea</i> , Lam.	349
<i>albida</i> , Del.	361	<i>aspera</i> , L.	348
<i>caffra</i> , Willd.	361	var. <i>argentea</i> , C. B. Cl.	349
<i>farnesiana</i> , Willd.	362	var. <i>pinguispicata</i> , C. B. Cl.	349
<i>giraffae</i> , Burch.	362	<i>bidentata</i> , Blume	349
<i>horrida</i> , Willd.	362	<i>leptostachya</i> , E. Mey.	349
<i>mimosoides</i> , L.	362	<i>Achyrocline</i>	510
<i>natalitia</i> , E. Mey.	362	<i>batocana</i> , O. & H.	510
<i>negrescens</i> , Oliv.	362	<i>Achyropsis</i>	349
var. <i>pallida</i> , Oliv.	362	<i>leptostachya</i> , Hook f.	349
<i>peunata</i> , Willd.	362	<i>Achyrospermum</i>	462
<i>rehmanniana</i> , Schinz	362	<i>Carvalhi</i> , Gürke	462
<i>Rovumae</i> , Oliv.	362	<i>Acocanthera</i>	444
<i>Senegal</i> , Willd.	362	<i>venenata</i> , G. Don.	444
<i>Seyal</i> , Del.	362	<i>Acridocarpus</i>	390
var. <i>multijuga</i> , Schenck.	362	<i>Galphimicifolius</i> , Juss.	390
<i>Suma</i> , Kurz.	362	<i>pruriens</i> , Juss.	390
<i>Verek</i> , G. & P.	363	<i>Acrocephalus</i>	465
<i>Welwitschii</i> , Oliv.	363	<i>callianthus</i> , Briq.	465
<i>xanthophlea</i> , Benth.	363	<i>chirindensis</i> , S. Moore	465
<i>Acalypha</i>	395	<i>picturatus</i> , S. Moore	465
<i>Allenii</i> , Hutch.	395	<i>sericeus</i> , Briq.	466

	PAGE		PAGE
Aerostichum	288	Albizzia	361
latifolium, <i>Sw.</i>	288	<i>amara, Boiv.</i>	361
<i>lineare, Fée</i>	288	<i>anthelmintica, Brongn.</i>	361
<i>viscosum, Sw.</i>	288	<i>antunesiana, Harms</i>	361
Aerotome sp.	461	<i>fastigiata, E. Mey.</i>	361
Actinopteris	286	var. <i>chirindensis, Swyn.</i>	361
<i>radiata, Link.</i>	286	<i>Harveyi, Fourn.</i>	361
Adansonia	417	<i>hypoleuca, Oliv.</i>	361
<i>digitata, L.</i>	417	<i>mozambicensis, Sim</i>	361
Adenia	424	<i>pallida, Harv.</i>	361
<i>senensis, Engl.</i>	424	<i>versicolor, Welw.</i>	361
Adenium	446	Albua	323
<i>multiflorum, Klotzsch</i>	446	<i>caudata, Jacq.</i>	323
Adenodolichos sp.	385	<i>Melleri, Bak.</i>	323
Adenostemma	506	<i>tayloriana, Rendle</i>	323
<i>cafrum, DC.</i>	506	<i>Wakefieldii, Bak.</i>	323
<i>Dregci, DC.</i>	506	Alectra	473
<i>viscosum, Forst.</i>	506	<i>communis, Hemsl.</i>	473
Adhatoda	486	<i>kilimandjarica, Hemsl.</i>	473
<i>Bagshawei, S. Moore</i>	486	<i>melampyroides, Benth.</i>	474
<i>Eylesii, S. Moore.</i>	486	<i>pumila, Benth.</i>	473
Adiantum	286	Alepidea	434
<i>æthiopicum, L.</i>	286	<i>amatymbica, E. & Z.</i>	434
<i>capillus-veneris, L.</i>	286	<i>propinqua, Dümmer</i>	434
<i>caudatum, L.</i>	286	<i>Swynnertonii, Dümmer</i>	434
<i>lunulatum, Burm.</i>	286	ALISMACEAE	293
<i>Oatesii, Bak.</i>	286	Allophylus	405
Adina	490	<i>alnifolius, (Bak.) Radlk.</i>	405
<i>microcephala, Hiern</i>	490	<i>chirindensis, Bak. f.</i>	405
Æolanthus	463	<i>rubrifolius, (Hochst.)</i>	405
<i>crenatus, S. Moore</i>	463	Aloe	322
<i>Rehmannii, Gürke</i>	463	<i>excelsa, Berger.</i>	322
<i>sericeus, Gürke</i>	463	<i>rhodesiana, Rendle</i>	323
Aerva	348	<i>Swynnertonii, Rendle</i>	323
<i>lanata, Juss.</i>	348	Alsodeia	421
<i>leucura, Moq.</i>	348	<i>convallarioides, Bak. f.</i>	421
Aeschynomene	377	<i>guzensis, Bak. f.</i>	422
<i>cristata, Vatke.</i>	377	Alternanthera	349
<i>elathroxylon, Desv.</i>	377	<i>achyrantha, R. Br.</i>	349
<i>guzensis, Bak. f.</i>	377	<i>echinata, Smith</i>	349
<i>grandistipulata, Harms</i>	377	<i>nodiflora, R. Br.</i>	349
<i>nodulosa, Bak. f.</i>	377	<i>sessilis, R. Br.</i>	349
<i>nyassana, Taub.</i>	377	Alysicarpus	379
<i>oligantha, Welw.</i>	377	<i>rugosus, DC.</i>	379
<i>shirensis, Taub.</i>	377	<i>Wallichii, Wight & Arn.</i>	379
<i>uniflora, E. Mey.</i>	378	<i>Zeyheri, Harv.</i>	379
Afelia	366	AMARANTACEAE	347
<i>cuauzensis, Welw.</i>	366	Amarantus	348
Agelaea	360	<i>gracizans, L.</i>	348
<i>nitida, Soland.</i>	360	<i>Thunbergii, Moq.</i>	348
Agropyrum	310	<i>viridis, L.</i>	348
<i>lepidus ? var. tamba</i>	310	AMARYLLIDACEAE	327
AIZOACEAE	350	Amblystegium	278

	PAGE		PAGE
Amblystegium—		Andropogon—	
varium, <i>Lindb.</i>	278	marginalis, <i>L.</i>	296
Amblygonocarpus	363	monticola, <i>Schult.</i>	
obtusangulus, <i>Harms</i>	363	var. <i>Trinii</i> , <i>Hook.</i>	296
Schweinfurthii, <i>Harms</i>	363	corrected in text to	296
Ammannia	426	<i>muricatum</i> , <i>Beauv.</i>	296
baccifera, <i>L.</i>	426	<i>Nardus</i> , <i>L.</i> var. <i>validus</i> , <i>Stapf</i>	296
senegalensis, <i>Lam.</i>	426	pertusus, <i>Willd.</i>	296
Ammocharis	327	rufus, <i>Kunth.</i>	296
falcata, <i>Herb.</i>	327	var. <i>fulvicornis</i> , <i>Rendle</i>	297
Amomum sp.	333	<i>Ruprechtii</i> , <i>Hack.</i>	297
Amorphophallus	317	Schimperi, <i>Hochst.</i>	297
mossambicensis, <i>Klotzsch</i>	317	schirensis, <i>Hochst.</i>	297
Ampelocissus	408	Schœnanthus, <i>L.</i>	297
Grantii, <i>Planch.</i>	408	var. <i>densiflorus</i> , <i>Hack.</i>	297
mossambicensis, <i>Planch.</i>	408	var. <i>versicolor</i> , <i>Hack.</i>	297
obtusata, <i>Planch.</i>	408	serratus, <i>Thunb.</i>	
Amphidoxa sp.	509	var. <i>versicolor</i> , <i>Hack.</i>	297
Anacampseros	351	sorghum, <i>Brot.</i>	297
rhodesica, <i>N. E. Br.</i>	351	squarrosus, <i>Linu. f.</i>	297
ANACARDIACEAE.....	401	tamba, <i>Rendle</i>	297
Anagallis	436	corrected in text to	296
Hanningtonii, <i>Bak.</i>	436	<i>Trinii</i> , <i>Steud.</i>	
<i>Anaphrenum</i>	402	var. <i>simplicior</i> , <i>Hack.</i>	296
<i>paniculosum</i> , <i>Engl.</i>	402	corrected in text to	296
Ancylanthus	494	Aneilema	319
Bainesii, <i>Hiern.</i>	494	<i>adhaerens</i> , <i>Kunth.</i>	319
Androcymbium.....	321	<i>aequinoctiale</i> , <i>Kunth.</i>	319
<i>melanthoides</i> , <i>Willd.</i>	321	<i>dregeana</i> , <i>Kunth.</i>	319
subulatum, <i>Bak.</i>	321	<i>Johnstoni</i> , <i>K. Schum.</i>	319
Andropogon	295	<i>Nicholsoni</i> , <i>C. B. Cl.</i>	319
amplectens, <i>Nees</i>	295	<i>nyasense</i> , <i>C. B. Cl.</i>	319
ceresieformis, <i>Nees</i>	295	<i>sinicum</i> , <i>Lindl.</i>	320
connatus, <i>Chior.</i>	295	var. <i>longifolia</i> , <i>C. B. Cl.</i>	320
contortus, <i>L.</i>	295	Aneimia.....	289
cymbarius, <i>L.</i>	295	<i>anthriscifolia</i> , <i>Schrad.</i>	289
var. <i>lepidus</i> , <i>Stapf</i>	295	<i>tomentosa</i> , <i>Sw.</i>	289
corrected in text to	295	Anemone	352
eucomis, <i>Nees</i>	295	<i>pencensis</i> , <i>Bak. f.</i>	352
filipendulus, <i>Hochst.</i>	295	Angrecum	337
gayanus, <i>Kunth.</i>	295	<i>leonis</i> ?	337
gazense, <i>Rendle</i>	295	<i>rhodesianum</i> , <i>Rendle</i>	337
giganteus, <i>Chior.</i>	296	Anona	354
halapensis, <i>Brot.</i>	296	<i>senegalensis</i> , <i>Pers.</i>	354
hirtiflorus, <i>Kunth.</i>		var. <i>rhodesiaca</i> , <i>Engl. & Diels</i> ..	354
var. <i>semiberbis</i> , <i>Stapf.</i>	296	ANONACEAE.....	354
hirtus, <i>L.</i>	296	Ansellia	335
intermedius, <i>R. Br.</i>	296	<i>africana</i> , <i>Lindl.</i>	335
Jeffreysii, <i>Hack.</i>	296	<i>humilis</i> , <i>Bull.</i>	335
Lecomtei, <i>Franch.</i>	296	Anthericum	321
<i>Lepidus</i> , <i>Nees</i>		<i>anceps</i> , <i>Bak.</i>	321
var. <i>tamba</i> , <i>Hack.</i>	296	<i>elongatum</i> , <i>Willd.</i>	321
corrected in text to	296	<i>filiforme</i> , <i>Thunb.</i>	321

	PAGE		PAGE
Anthericum—		Aristea	330
hispidum, <i>L.</i>	321	compressa, <i>Buching</i>	330
longistylum, <i>Bkr.</i>	321	zombensis, <i>Bak.</i>	330
matabelense, <i>Bak.</i>	321	Aristida	304
Oatesii, <i>Bak.</i>	321	adscensionis, <i>L.</i>	304
recurvifolium, <i>Bak.</i>	321	æquiglumis, <i>Hack.</i>	304
rhodesianum, <i>Rendle</i>	321	angustata, <i>Stapf</i>	304
Antherotoma	431	barbicollis, <i>Trin. & Rupr.</i>	304
Naudini, <i>Hook. f.</i>	431	bipartita, <i>Trin. & Rupr.</i>	304
<i>Anthistiria</i>	298	ciliata, <i>Desf.</i>	304
imberbis, <i>Retz.</i>	298	congesta, <i>Roem. & Schult.</i>	304
Anthocleista	442	sicberiana, <i>Trin.</i>	
zambesiaca, <i>Bak.</i>	442	var. <i>stipitata</i> , <i>Stapf.</i>	304
Antholyza sp.	332	stipitata, <i>Hack.</i>	304
Anthospermum	496	stipoides, <i>Lam.</i>	304
ammanioides, <i>S. Moore</i>	496	Artabotrys	354
ciliare, <i>L.</i>	496	brachypetala, <i>Benth.</i>	354
hispidulum, <i>E. Mey.</i>	496	Monteiroae, <i>Oliv.</i>	354
lanceolatum, <i>Thioub.</i>	496	Artemisia	516
Randii, <i>S. Moore</i>	496	afra, <i>Jacq.</i>	516
rigidum, <i>E. & Z.</i>	496	<i>Arthrosolen</i>	425
vallicolum, <i>S. Moore</i>	496	chrysantha, <i>Solms-Laub.</i>	425
Antidesma	394	Arundinella	298
membranaceum, <i>Müll. Arg.</i>	394	Ecklonii, <i>Nees</i>	298
venosum, <i>Tul.</i>	394	ASCLEPIADACEAE	446
<i>Antoschmidtia</i>	307	Asclepias	448
pappophoroides, <i>Boiss.</i>	307	aurea, <i>Schlecht.</i>	448
<i>Aphloia</i>	422	densiflora, <i>N. E. Br.</i>	448
theeformis, <i>Benn</i>	422	eminens, <i>Schlecht.</i>	449
APOCYNACEAE	444	Engleri, <i>Schlecht.</i>	449
Apodytes	405	fallax, <i>Schlecht.</i>	449
dimidiata, <i>E. Mey.</i>	405	fruticosa, <i>L.</i>	449
Aponogeton sp.	293	fulva, <i>N. E. Br.</i>	449
APONOGETONACEAE	293	glaucophylla, <i>Schlecht.</i>	449
Aptosimum	470	lineolata, <i>Schlecht.</i>	449
decumbens, <i>Schinz.</i>	470	palustris, <i>Schlecht.</i>	449
elongatum, <i>Engl.</i>	470	physocarpa, <i>Schlecht.</i>	449
lineare, <i>Marl. & Engl.</i>	470	Randii, <i>S. Moore</i>	449
Randii, <i>S. Moore</i>	470	reflexa, <i>Brit. & Rendle.</i>	449
AQUIFOLIACEAE	403	scabrifolia, <i>S. Moore</i>	449
ARACEAE	317	Swynnertonii, <i>S. Moore</i>	450
Arachis	378	tenuifolia, <i>N. E. Br.</i>	450
hypogea, <i>L.</i>	378	Asclepis	311
ARALIACEAE	433	capensis, (<i>Kunth.</i>) <i>Ridley</i>	311
Arctotis	520	protea, <i>Welw.</i>	311
scaposa, (<i>Harr.</i>)	520	var. <i>bellidiflora</i> , <i>Welw.</i>	311
Argemone	355	Asparagus	325
mexicana, <i>L.</i>	355	æthiopicus, <i>L.</i>	325
Argomuellera	395	africanus, <i>Lam.</i>	325
macrophylla, <i>Pax</i>	395	angolensis, <i>Bak.</i>	325
Argyrolobium	372	asiaticus, <i>L.</i>	325
andrewsianum, <i>Steud.</i>	372	falcatus, <i>L.</i>	325
collinum, <i>E. & Z.</i>	372	laricinus, <i>Burch.</i>	326

	PAGE		PAGE
<i>Asparagus</i> —		<i>Astragalus</i> —	
<i>medeoloides</i> , Thunb.	326	<i>burkeanus</i> , Benth.	377
<i>pilosus</i> , Bak.	326	<i>Astrochlaena</i>	453
<i>plumosus</i> , Bak.	326	<i>malvaeca</i> , Hal. f.	443
<i>racemosus</i> , Willd.	326	var. <i>epedunculata</i> , Rendle	453
<i>stipulaceus</i> , Lam.	326	<i>Stuhlmanni</i> , Hal. f.	453
<i>virgatus</i> , Bak.	326	<i>Asystasia</i>	485
<i>Aspidium</i>	279	<i>coromandeliana</i> , Nees	485
<i>aculeatum</i> , Swartz		<i>Athrixia</i>	512
var. <i>pungens</i> , Klff.	279	<i>elata</i> , Soud.	512
<i>ammifolium</i> , Poir.	279	<i>foliosa</i> , S. Moore	512
<i>Aspilia</i>	514	<i>oblonga</i> , S. Moore	512
<i>brachyphylla</i> , S. Moore	514	<i>rosmarinifolia</i> , O. & H.	513
<i>Eylesii</i> , S. Moore	515	<i>Aronopus</i>	299
<i>vulgaris</i> , N. E. Br.	515	<i>semialatus</i> , Hook. f.	
<i>zombensis</i> , Bak.	515	var. <i>Ecklonii</i> , Stapf.	299
<i>Asplenium</i>	281	<i>Babiana</i>	331
<i>adiantoides</i> , Lam.	281	<i>Bainesii</i> , Bak.	331
<i>adiantum-nigrum</i> , L.	281	<i>Baikiaca</i>	365
<i>anisophyllum</i> , Kze.	281	<i>plurijuga</i> , Harms	365
<i>aspidioides</i> , Schl.	281	BALSAMINACEAE	406
<i>circutarium</i> , Sw.		<i>Baphia</i> spp.	369
var. <i>abyssinicum</i> , Bak.	282	<i>Barbarea</i>	328
<i>dregeanum</i> , Kze.	282	<i>equisetoides</i> , Engl.	328
<i>erectum</i> , Bory.	282	<i>Barleria</i>	483
var. <i>erectum</i> , Bory.	282	<i>albstellata</i> , C. B. Cl.	483
var. <i>lobatum</i> , Sim.	282	<i>Boehmii</i> , Lindau	483
var. <i>lunulatum</i> , Sim.	282	<i>Eylesii</i> , S. Moore	483
<i>Eylesii</i> , Sim.	282	<i>Mackenii</i> , Hook. f.	483
<i>filix-femina</i> , Bernh.	282	<i>matopensis</i> , S. Moore	483
<i>furcatum</i> , Thunb.	282	<i>meyeriana</i> , Nees	484
var. <i>tripinnatum</i> , Bak.	282	<i>Randii</i> , S. Moore	484
<i>gemmiferum</i> , Schr.	282	<i>spinulosa</i> , Klotzsch	484
var. <i>flexuosum</i> , Schr.	282	<i>Bartramia</i> sp.	278
var. <i>laciniatum</i> , Mett.	283	<i>Basilicum</i>	466
<i>laetum</i> , Sw.	283	<i>myriostachyum</i> , O. Ktze.	466
<i>Munnii</i> , Hook.	283	<i>Bauhinia</i>	366
<i>monanthemum</i> , L.	283	<i>articulata</i> , DC.	366
<i>protensum</i> , Schr.	283	<i>fassoglensis</i> , Kotschy	366
<i>resectum</i> , Sm.	283	<i>Galpini</i> , N. E. Br.	366
<i>rutæfolium</i> , Kze.	283	<i>macrantha</i> , Oliv.	366
<i>Sandersoni</i> , Hook.	283	<i>petersiana</i> , Bolle	366
<i>Schimperii</i> , A. Br.	283	<i>reticulata</i> , DC.	366
<i>serra</i> , Langs.		<i>Becium</i>	466
var. <i>natalensis</i> , Bak.	283	<i>angustifolium</i> , N. E. Br.	466
<i>Thunbergii</i> , Kze.	283	<i>obovatum</i> , N. E. Br.	467
<i>trichomanes</i> , L.	283	<i>Behnia</i>	326
<i>varians</i> , Hook. & Gr.	283	<i>reticulata</i> , Didr.	326
<i>Aster</i>	506	<i>Belmontia</i>	443
<i>muricatus</i> , Less.		<i>grandis</i> , E. Mey.	443
var. <i>fasciculatus</i> , E. Mey.	506	<i>Berchemia</i>	407
<i>tenellus</i> , L.	507	<i>discolor</i> , Hemsl.	407
<i>Astragalus</i>	377		

	PAGE		PAGE
Bergia	421	Borreria—	
decumbens, <i>Planch.</i>	421	dibrachiata, <i>K. Schum.</i>	497
Berkeyha	520	natalensis, <i>K. Schum.</i>	497
Adlami, <i>Hook. f.</i>	520	Ruelliae, <i>K. Schum.</i>	497
gorterioides, <i>O. & H.</i>	521	stricta, <i>K. Schum.</i>	497
setifera, <i>DC.</i>		subvulgata, <i>K. Schum.</i>	497
var. tropica, <i>S. Moore</i>	521	Bosquiea	339
subulata, <i>Harr.</i>	521	Phoberos, <i>Baill.</i>	339
Zeyheri, <i>Sond. & Harr.</i>	521	Bothriocline	502
Berkheyopsis	520	inyangana, <i>N. E. Br.</i>	502
bechuanensis, <i>S. Moore</i>	520	Bouchea	458
integrifolia, <i>Volk.</i>	520	hederacea, <i>Sond.</i>	458
Berlinia	366	pinnatifida, <i>Schauer</i>	458
Eminii, <i>Taub.</i>	366	Wilmsii, <i>Gürke</i>	459
paniculata, <i>Benth.</i>	366	Bowiea	322
Bersana	406	volubilis, <i>Harr.</i>	322
maschonensis, <i>Gürke</i>	406	Brachycorythis	331
Swynnertonii, <i>Bak. f.</i>	406	acutiloba, <i>Rendle</i>	334
Bidens	515	hispidula?	334
pilosa, <i>L.</i>	515	Brachylaena	508
prolixus, <i>S. Moore</i>	515	discolor, <i>DC.</i>	508
Schimperii, <i>Sch. Bip.</i>	516	rhodesiana, <i>S. Moore</i>	508
BIGNONIACEAE	477	rotundata, <i>S. Moore</i>	508
Blepharis	484	Brachystegia	364
Bainesii, <i>S. Moore</i>	484	appendiculata, <i>Benth.</i>	364
boerhaaviæfolia, <i>Pers.</i>	484	Bragei, <i>Harms</i>	365
diversipina, <i>C. B. Cl.</i>	484	globiflora, <i>Hook.</i>	365
innocua, <i>C. B. Cl.</i>	484	Goetzei, <i>Harms</i>	365
molluginifolia, <i>Pers.</i>	484	Randii, <i>Bak. f.</i>	365
Blumea	509	spicæformis, <i>Benth.</i>	365
gariépina, <i>DC.</i>	509	tamarindoides, <i>Welw.</i>	365
lacera, <i>DC.</i>	509	Brachystelma	450
Blyxa sp.	293	Barberiae, <i>Harr.</i>	450
Bobartia sp.	330	Brackenridgea	420
Boerhavia	349	zanguebarica, <i>Oliv.</i>	420
dichotoma, <i>Vahl</i>	349	Brassica sp.	355
grandiflora, <i>A. Rich.</i>	349	Breweria	452
pentandra, <i>Burch.</i>	349	capensis, <i>Bak.</i>	452
plumbaginea, <i>Car.</i>	349	Bridelia	394
repens, <i>L. var. diffusa, Hk. f.</i>	349	atroviridis, <i>Müll. Arg.</i>	394
Bolusanthus	369	cathartica, <i>Bertol. f.</i>	394
speciosus, (<i>Bolus</i>) <i>Harms</i>	369	micrantha, <i>Baill.</i>	394
BOMBACACEAE	417	mollis, <i>Hutch.</i>	394
Bonatea	334	Niedenzui, <i>Gehrm.</i>	394
antemifera, <i>Rolfe</i>	334	scandens, <i>Willd.</i>	394
Bopusia	474	stipularis, <i>Blume</i>	394
scabra, <i>Presl.</i>	474	stipularis, <i>Müll. Arg.</i>	394
BORAGINACEAE	456	Brillantaisia	481
Borraginoides	457	grandidentata, <i>S. Moore</i>	481
physaloides, <i>Hiern</i>	457	Brunsvigia sp.	327
zeylanica, <i>Hiern</i>	457	Brysocarpus	360
Borreria	497	coccineus, <i>Sch. & Thon.</i>	360
arvensis, <i>K. Schum.</i>	497	var. parvifolius, <i>Planch.</i>	360

	PAGE
Buchnera	474
<i>ciliolata</i> , Engl.	474
<i>dura</i> , Benth.	474
<i>Eylesii</i> , S. Moore	475
<i>Henriquesii</i> , Engl.	475
<i>hispida</i> , Buch.-Ham.	475
<i>Lastii</i> , Engl.	475
<i>leptostachya</i> , Benth.	475
<i>pusilliflora</i> , S. Moore	475
<i>Randii</i> , S. Moore	475
<i>rhodesiana</i> , S. Moore	475
Buddleia	442
<i>salvifolia</i> , Lam.	442
<i>Bulbostylis</i>	315
<i>Burchelli</i> , C. B. Cl.	315
<i>schanoides</i> , Kunth.	316
Buphane	327
<i>disticha</i> , Herb.	327
<i>toricaria</i> , Herb.	327
Burkea	364
<i>africana</i> , Hook.	364
Burmannia	333
<i>bicolor</i> , Mart.	
var. <i>africana</i> , Ridl.	333
BURMANNIACEAE	333
Burnatia	293
<i>enneandra</i> , Mich.	293
BURSERACEAE	388
CACTACEAE	424
Cadaba	356
<i>juncea</i> , Hook.	356
<i>natalensis</i> , Sond.	356
<i>Calamintha</i>	462
<i>masukensis</i> , S. Moore	462
Calanthe	335
<i>natalensis</i> , Rehb. f.	335
<i>sanderiana</i> ?	335
Callitris	292
<i>Whytei</i> , (Rendle)	292
Calopogonium	381
<i>lacerans</i> , R. Br.	381
Calostephane	513
<i>divaricata</i> , Benth.	513
Calpurnia	369
<i>aurea</i> , Bak.	369
<i>lasioogyne</i> , E. Mey.	369
CAMPANULACEAE	499
Canavalia	381
<i>ensiformis</i> , DC.	381
<i>incurva</i> , P. Thouars	381
Canna	333

	PAGE
Canna—	
<i>indica</i> , L.	
var. <i>orientalis</i> , Rose.	333
CANNACEAE	333
Canscora	443
<i>diffusa</i> , (Vahl) R. Br.	443
<i>Kirkii</i> , N. E. Br.	443
<i>Canthium</i>	493
<i>abbreviatum</i> , S. Moore	493
<i>Gucinzi</i> , Sond.	493
<i>lanceiflorum</i> , Hiern	493
<i>liridium</i> , Hiern	493
<i>Oatesii</i> , Rolfe	493
<i>Randii</i> , S. Moore	493
<i>Seynertonii</i> , S. Moore	493
<i>Ventosum</i> , S. Moore	494
<i>Canthya</i>	368
<i>exosa</i> , Gmelin	368
CAPPARIDACEAE	355
Capparis	356
<i>tomentosa</i> , Lam.	356
Caralluma	451
<i>lateritia</i> , N. F. Br.	451
Cardiospermum	405
<i>canescens</i> , Wall.	405
<i>corindum</i> , L.	405
<i>Halicacabum</i> , L.	405
Carex	316
<i>condensata</i> , Nees	316
<i>spicato-paniculata</i> , C. B. Cl.	316
Carissa	444
<i>acuminata</i> , DC.	444
<i>Arduina</i> , Lam.	444
<i>edulis</i> , Vahl	444
var. <i>tomentosa</i> , Stapf.	444
<i>tomentosa</i> , A. Rich.	444
Carum	434
<i>copticum</i> , Bth. & Hk.	434
CARYOPHYLLACEAE	351
Cassia	367
<i>abbreviata</i> , Olin.	367
<i>absus</i> , L.	367
<i>arachoides</i> , Burch.	367
<i>didymobotrya</i> , Fres.	367
<i>fistula</i> , L.	367
<i>goratensis</i> , Fres.	367
<i>granitica</i> , Bak. f.	367
<i>mimosoides</i> , L.	367
<i>occidentalis</i> , L.	367
<i>petersiana</i> , Bolle	368
<i>tettensis</i> , Bolle	368
<i>Tora</i> , L.	368
Castanospermum	369

	PAGE		PAGE
Castanospermum—		Chenopodium—	
australe, <i>A. Cunn.</i>	369	<i>Botrys</i> , <i>L.</i>	347
Cassytha	354	<i>fortidum</i> , <i>Schrad.</i>	347
<i>capensis</i> , <i>Meisn.</i>	354	<i>graveolens</i> , <i>Lag. & Rodr.</i>	347
<i>ciliolata</i> , <i>Nees</i>	354	<i>schraderianum</i> , <i>Roem. & Schl.</i>	347
<i>filiformis</i> , <i>L.</i>	354	Chielanthes	285
Catha	404	<i>Bolusii</i> , <i>Bak.</i>	285
<i>edulis</i> , <i>Forsk.</i>	404	<i>farinosa</i> , <i>Kaulf.</i>	285
Catharinea	278	<i>hirta</i> , <i>Sw.</i>	285
<i>androgyna</i> , <i>C. Muell.</i>	278	<i>Kirkii</i> , <i>Hook.</i>	285
Cebatha	353	<i>multifida</i> , <i>Sw.</i>	285
<i>hirsuta</i> , <i>O. Kuntze</i>	353	Chilianthus	442
CELASTRACEAE	403	<i>arboreus</i> , <i>A. DC.</i>	442
Celastrus	403	<i>oleaceus</i> , <i>Burch.</i>	442
<i>buxifolius</i> , <i>L.</i>	404	Chironia	443
<i>concinus</i> , <i>N. E. Br.</i>	403	<i>exigua</i> , <i>Oliv.</i>	443
<i>mossambicensis</i> , <i>Kltzch.</i>	404	<i>gratissima</i> , <i>S. Moore</i>	443
<i>polyacanthus</i> , <i>Sond.</i>	404	<i>humilis</i> , <i>Gilg.</i>	443
<i>senegalensis</i> , <i>Lam.</i>	404	<i>var. Wilmsii</i> , <i>Prain</i>	443
Celosia	347	<i>humilis</i> , <i>Bak. & Br.</i>	443
<i>trigyna</i> , <i>L.</i>	347	<i>palustris</i> , <i>Gilg</i>	443
Celtis	338	<i>purpurascens</i> , <i>Rolfe</i>	443
<i>dioica</i> , <i>S. Moore</i>	338	<i>transvaalensis</i> , <i>Gilg</i>	443
<i>kraussiana</i> , <i>Bernh.</i>	339	Chloris	306
<i>ramnifolia</i> , <i>Presl.</i>	339	<i>abyssinica</i> , <i>Hochst</i>	306
Centaurea	520	<i>barbata</i> , <i>Sw.</i>	306
<i>rhizocephala</i> , <i>O. & H.</i>		<i>gayana</i> , <i>Kunth.</i>	306
<i>var. australis</i> ?	520	<i>petraea</i> , <i>Thunb.</i>	306
Cephalandra	499	<i>pycnothrix</i> , <i>Trin.</i>	306
<i>palmata</i> , <i>Sond.</i>	499	<i>virgata</i> , <i>Sw.</i>	306
<i>pubescens</i> , <i>Sond.</i>	499	<i>var. elegans</i> , <i>Stapp</i>	306
Cephalanthus	490	Chloristylis	359
<i>natalensis</i> , <i>Oliv.</i>	490	<i>shirensis</i> , <i>Bak. f.</i>	359
Ceratotheca	478	Chlorocodon	446
<i>kraussiana</i> , <i>Kunth.</i>	478	<i>Whytei</i> , <i>Hook. f.</i>	446
<i>sesamoides</i> , <i>Endl.</i>	478	Chlorophytum	322
<i>triloba</i> , <i>E. Mey.</i>	478	<i>andongense</i> , <i>Bak.</i>	322
Ceropegia	451	<i>blepharophyllum</i> , <i>Schwnf.</i>	322
<i>abyssinica</i> , <i>Decne.</i>	451	<i>elatum</i> , <i>R. Br.</i>	
<i>hispidipes</i> , <i>S. Moore</i>	451	<i>var. Burchelli</i> , <i>Bak.</i>	322
<i>mazoensis</i> , <i>S. Moore</i>	451	<i>gazense</i> , <i>Rendle</i>	322
<i>tentaculata</i> , <i>N. E. Br.</i>	451	<i>polystachyum</i> , <i>Bak.</i>	322
Chænostoma	471	Chrysanthellum	515
<i>micranthum</i> , <i>Engl.</i>	471	<i>procumbens</i> , <i>Pers.</i>	515
Chætacanthus	482	Chrysophyllum	437
<i>Persoonii</i> , <i>Nees</i>	482	<i>argyrophyllum</i> , <i>Hiern</i>	437
Chailletia	392	<i>fulvum</i> , <i>S. Moore</i>	437
<i>cymosa</i> , <i>Hook.</i>	392	<i>natalense</i> , <i>Sond.</i>	437
Chara	277	Cineraria	517
<i>capensis</i> , <i>E. Mey.</i>	277	<i>lobata</i> , <i>L'Herit.</i>	517
CHARACEAE	277	<i>mazoensis</i> , <i>S. Moore</i>	517
CHENOPODIACEAE	347	Cissampelos	353
Chenopodium	347	<i>mucronata</i> , <i>A. Rich.</i>	353

	PAGE		PAGE
Cissampelos—		Cliffortia	359
Paireira, <i>L.</i>	353	linearifolia, <i>E. & Z.</i>	359
var. mucronata, <i>Engl.</i>	353	Clitandra	445
torulosa, <i>E. Mey.</i>	353	orientalis, <i>K. Schum.</i>	445
Cissus	408	Claytia	397
Buchanani, <i>Planch.</i>	408	inyangensis, <i>Hutch.</i>	397
congesta, <i>Planch.</i>	408	monticola, <i>S. Moore</i>	398
crotalarioides, <i>Planch.</i>	408	Paxii, <i>Knauf</i>	398
cymosa, <i>Schum.</i>	408	phyllanthoides, <i>S. Moore</i>	398
fragilis, <i>E. Mey.</i>	409	robusta, <i>Por.</i>	398
gracilis, <i>Guill. & Perr.</i>	409	stelleroides, <i>S. Moore</i>	398
hypargyrea, <i>Gilg.</i>	409	Swynnertonii, <i>S. Moore</i>	398
jatrophioides, <i>Planch.</i>	409	volubilis, <i>Hutch.</i>	398
Marlothii, <i>Gilg.</i>	409	Cnestis	360
rhodesiae, <i>Gilg.</i>	409	natalensis, <i>Pich. & Sud.</i>	360
rotundifolia, <i>Vahl.</i>	409	Coccinia	499
zombensis, <i>Gilg. & Brndt.</i>	409	palmata, <i>Cogn.</i>	499
Citrullus	498	pubescens, <i>Soud.</i>	499
vulgaris, <i>Schrad.</i>	493	Cocculus	353
Citrus	388	villosus, <i>DC.</i>	353
aurantium, <i>L.</i>	388	Coffea	494
var. limonium, <i>Risso.</i>	388	Engleri, <i>K. Krause</i>	491
Cleistachne	298	ligustroides, <i>S. Moore</i>	494
sorghoides, <i>Benth.</i>	298	Swynnertonii, <i>S. Moore</i>	494
Clematis	352	Coleus	464
brachiata, <i>Thunb.</i>	352	guzensis, <i>S. Moore</i>	464
Kirkii, <i>Oliv.</i>	352	latifolius, <i>Hochst.</i>	465
orientalis, <i>L.</i>	352	matopensis, <i>S. Moore</i>	465
var. <i>simensis</i> , <i>O. Kuntze</i>	352	palliolatus, <i>S. Moore</i>	465
var. <i>Thunbergii</i> , <i>O. Kntze.</i>	352	Pentheri, <i>Gürke</i>	465
simensis, <i>Fres.</i>	352	polyanthus, <i>S. Moore</i>	465
Stanleyi, <i>Hook.</i>	352	shirensis, <i>Gürke</i>	465
Thunbergii, <i>Steud.</i>	352	Swynnertonii, <i>S. Moore</i>	465
villosa, <i>DC.</i>	352	umbrosus, <i>Vatke</i>	465
virena	353	<i>Colocynthis</i>	498
Wightiana, <i>Wall.</i>	353	amarissima, <i>Schrad.</i>	498
Cleome	355	Colpoon	344
hirta, <i>Oliv.</i>	355	compressum, <i>Berg.</i>	344
maculata, <i>Szyszył.</i>	355	COMBRETACEAE	427
monophylla, <i>L.</i>	355	Combretum	427
Clerodendron	459	abbreviatum, <i>Engl.</i>	427
amplifolium, <i>S. Moore.</i>	459	apiculatum, <i>Soud.</i>	427
glabrum, <i>E. Mey.</i>	460	var. parvifolium, <i>Bak. f.</i>	427
hirsutum, <i>Pearson</i>	460	arbuscula, <i>Engl.</i>	427
lanceolatum, <i>Gürke.</i>	460	atelantherum, <i>Diels</i>	427
myricoides, <i>R. Br.</i>	460	Bragae, <i>Engl.</i>	427
var. cuneatum, <i>Pearson</i>	460	centractarum, <i>Diels</i>	427
var. discolor, <i>Bak.</i>	460	cognatum, <i>Diels</i>	427
ovale, <i>Klotzsch.</i>	460	erythrophyllum, <i>Soud.</i>	427
reflexum, <i>Pearson</i>	460	glomeruliflorum, <i>Soud.</i>	428
spinescens, <i>Gürke</i>	460	Gueinzii, <i>Soud.</i>	428
Swynnertonii, <i>S. Moore</i>	460	hereroense, <i>Schinz</i>	428
		holosericeum, <i>Soud.</i>	428

	PAGE		PAGE
Combretum —		Copaifera	508
<i>imberbe, Wawra</i>	428	<i>coleosperma, Benth.</i>	364
<i>Junodii, Dummer</i>	428	<i>mopane, Kirk</i>	364
<i>lindenbergianum, Engl. & Diels</i> ..	428	Corchorus	409
<i>microphyllum, Klotzsch</i>	428	<i>asplenifolius, Burch.</i>	409
<i>mossambicense, Engl.</i>	428	<i>hirsutus, L.</i>	409
<i>Oatesii, Rolfe</i>	428	<i>Kirkii, N. E. Br.</i>	409
<i>oblongum, F. Hoffm.</i>	428	<i>mucilagineus, Gibbs</i>	409
<i>patelliforme, Engl. & Diels</i>	428	<i>muricatus, Hochst.</i>	410
<i>platypetalum, Welw.</i>	428	<i>serræfolius, Burch.</i>	410
<i>primigenum, Marl. & Engl.</i>	428	<i>tridens, L.</i>	410
<i>rhodesicum, Bak. f.</i>	428	<i>trilocularis, L.</i>	410
<i>salicifolium, E. Mey.</i>	429	Cordia	456
<i>tetraphyllum, Diels</i>	429	<i>ovalis, R. Br.</i>	456
<i>ulugurense, Engl.</i>	429	Cordylogyne	448
<i>Zeyheri, Sond.</i>	429	<i>kassnerianum, (Schltr.)</i>	448
Commelina	318	<i>mossambicense, (Schltr.)</i>	448
<i>Africana, L.</i>	318	Coreopsis	515
<i>Bainesii, C. B. Cl.</i>	318	<i>insecta, S. Moore</i>	515
<i>benghalensis, L.</i>	318	<i>Steppia, Steetz</i>	515
<i>Cecilæ, C. B. Cl.</i>	319	CORNACEÆ	435
<i>Forskalei, Vahl.</i>	319	Corrigiola	351
<i>krebsiana, Kunth.</i>	319	<i>drymarioides, Bak. f.</i>	351
<i>Livingstoni, C. B. Cl.</i>	319	<i>litoralis, L.</i>	351
<i>nudiflora, L.</i>	319	Cotula	516
<i>spectabilis, C. B. Cl.</i>	319	<i>anthemoides, L.</i>	516
<i>zambesica, C. B. Cl.</i>	319	Courbonia	356
COMMELINACEÆ	318	<i>decumbens, Bougn.</i>	356
Commiphora	388	Courtoisia	313
<i>acutidens, Engl.</i>	388	<i>assimilis, C. B. Cl.</i>	313
<i>edulis ?</i>	388	<i>cyperoides, Nees</i>	313
<i>Fischeri, Engl.</i>	388	Crabbea	483
COMPOSITÆ	502	<i>crisioides, Nees</i>	483
Congrothamnus sp.	516	<i>nana, Nees</i>	483
CONIFERÆ	292	<i>velutina, S. Moore</i>	483
CONNARACEÆ	360	Craspedorhachis	306
Conopharyngia	445	<i>rhodesiana, Rendle</i>	306
<i>elegans, Stapf</i>	445	<i>Crassocephalum</i>	517
<i>stapfiana, Stapf</i>	445	<i>cernuum, Moench</i>	517
<i>usambarensis, Stapf</i>	445	<i>diversifolium, Hiern</i>	
CONVOLVULACEÆ	452	<i>var. crepidioides, Hiern</i>	517
Convolvulus	452	Crassula	358
<i>Randii, Rendle</i>	452	<i>campestris, E. & Z.</i>	358
<i>sagittatus</i>		<i>nivalis, E. & Z.</i>	358
<i>var. abyssinica, Hal. f.</i>	452	<i>sarcolipes, Harr.</i>	358
<i>ulosepalus, Hal. f.</i>	452	<i>subulata, Hook.</i>	358
Conyza	507	CRASSULACEÆ	357
<i>ægyptiaca, Ait.</i>	507	Craterispermum	494
<i>costata, Harv.</i>	508	<i>laurinum, Benth.</i>	494
<i>paucifolia, O. & H.</i>	508	Craterostigma	472
<i>persicæfolia, O. & H.</i>	508	<i>nanum, Oliv.</i>	472
<i>pinnatifida, Less.</i>	508	<i>plantagineum, Hochst.</i>	472
<i>variegata, Sch. Bip.</i>	508	Cremaspora	492

	PAGE		PAGE
Cremaspora—		Croton—	
<i>africana</i> , Benth.	492	<i>sylvaticus</i> , Hochst.	395
Crinum	327	<i>welwitschianus</i> , Müll. Arg.	395
<i>Harmsii</i> , Bak.	327	<i>zambesicus</i> , Müll. Arg.	395
<i>Kirkii</i> , Bak.	327	CRUCIFERAE	355
<i>zeylanicum</i> , L.	327	Cryptolepsis	446
<i>Crocasmia</i>	331	<i>oblongifolia</i> , Schlechter	446
<i>aurea</i> , Planch.	331	<i>producta</i> , N. E. Br.	446
<i>Cronartium</i>	277	<i>transvaalensis</i> , Schltr.	446
<i>bresadoleanum</i> , Henn.		Crystopteris	286
var. <i>eucleae</i> , Henn.	277	<i>fragilis</i> , Bernh.	286
Crossopteryx	489	Ctenium sp.	306
<i>kotschyana</i> , Fenzl.	489	Cucumis	499
Crossotropis	307	<i>Cecili</i> , N. E. Br.	499
<i>grandiglumis</i> , Rendle	307	<i>chrysocomus</i> , Sch. & Thnn.	499
Crotalaria	370	<i>Figarei</i> , Delile	499
<i>anthyllopsis</i> , Welw.	370	<i>hirsutus</i> , Sond.	499
<i>Barabassii</i> , Dinter.	370	<i>naudinianus</i> , Sond.	499
<i>brevidens</i> , Benth.	370	<i>Zeyheri</i> , Sond.	499
<i>capensis</i> , Jacq.	370	CUCURBITACEAE	498
<i>cephalotes</i> , Steud.	370	Culeasia	317
<i>chirindae</i> , Bak. f.	370	<i>scandens</i> , Beauv.	317
<i>cylindrostachys</i> , Welw.	370	Curtisia	435
<i>elata</i> , Welw.	371	<i>faginea</i> , Ait.	435
<i>flavicarinata</i> , Bak. f.	370	Cuscuta	452
<i>gazensis</i> , Bak. f.	370	<i>kilimanjari</i> , Olin.	452
<i>intermedia</i> , Kotschy.	370	<i>obtusiflora</i>	
<i>kilimandsharica</i> , Taub.	371	var. <i>cordofana</i> , Engelm.	452
<i>laburnifolia</i> , L.	371	<i>planiflora</i> , Ten.	452
<i>lachnocarpa</i> , Hochst.	371	Cussonia	433
<i>lanceolata</i> , E. Mey.	371	<i>natalensis</i> , Sond.	433
<i>mossambicensis</i> , Klotzsch.	371	<i>spicata</i> , Thunb.	433
<i>natalitia</i> , Meisn.	371	<i>umbellifera</i> , Sond.	433
<i>nubica</i> , Benth.	371	CYANOPHYCEAE	277
<i>orthoclada</i> , Welw.	371	Cyanotis	320
<i>petiolaris</i> , Franch.		<i>fœeunda</i> , Hassk.	320
var. <i>australis</i> , Bak. f.	371	<i>nodiflora</i> , Kunth.	320
<i>pisicarpa</i> , Welw.	371	CYATHEACEAE	279
<i>podocarpa</i> , DC.	371	Cyathea	279
<i>recta</i> , Steud.	371	<i>Dregci</i> , Kunze.	279
<i>Rogersii</i> , Bak. f.	371	<i>Manniana</i> , Hook.	279
<i>sericifolia</i> , Harms.		<i>Thomsoni</i> , Bak.	279
var. <i>gweloensis</i> , Bak. f.	372	Cyathula	348
<i>spartioides</i> , DC.	372	<i>cylindrica</i> , Moq.	348
<i>sphaerocarpa</i> , G. & P.	372	<i>prostrata</i> , Blume	348
var. <i>angustifolia</i> , Hochst.	372	Cyenium	475
<i>striata</i> , DC.	372	<i>adonense</i> , E. Mey.	475
Croton	395	<i>palustre</i> ?	475
<i>barotsensis</i> , Gibbs.	395	<i>tubulosum</i> , Engl.	476
<i>gratissimus</i> , Burch.	395	Cymbopogon	295
<i>Gubonga</i> , S. Moore	395	<i>elegans</i> , Spreng.	295
<i>rivularis</i> , Müll. Arg.	395	<i>filipendulus</i> , Rendle	295
<i>Seynertonii</i> , S. Moore	395	<i>gazense</i> , Rendle	295

	PAGE		PAGE
<i>Cymbopogon</i> —		<i>Dactyloctenium</i> —	
<i>giganteus</i> , Chiov.....	296	<i>egyptiacum</i> , Willd.	307
<i>rufus</i> , Rendle	296	<i>Dalbergia</i>	379
<i>Ruprechtii</i> , Rendle	297	<i>dekintiana</i> , Harms	379
<i>Schimperi</i> , Rendle	297	<i>lactea</i> , Vathe.....	379
<i>Schœnanthus</i> , Spreng.....	297	<i>melanoxylon</i> , G. & P.....	379
<i>tamba</i> , Rendle	297	<i>Swynnertonii</i> , Bak. f.....	379
<i>Cynanchum</i>	450	<i>Damapana</i>	378
<i>chirindense</i> , S. Moore.....	450	<i>strigosa</i> , O. Ktze.....	378
<i>præcox</i> , Schlechter	450	<i>Danthonia</i>	305
<i>Cynodon</i>	306	<i>inermis</i> , Stapf	305
<i>Dactylon</i> , Pers.	306	<i>Datura</i>	470
<i>incompletus</i> , Nees	306	<i>Stramonium</i> , L.	470
<i>Cynoglossum</i>	457	<i>Davallia</i>	281
<i>lanceolatum</i> , Forsk.....	457	<i>Concinna</i> , Schrad.	281
<i>micranthum</i> , Desf.	457	<i>Hollandii</i> , Sim	281
CYPERACEAE	311	<i>thecifera</i> , HBK.	281
<i>Cyperus</i>	311	<i>Decabelone</i>	451
<i>albostrigatus</i> , Schrad.	311	<i>elegans</i> , Decne	451
<i>anabilis</i> , Vahl.	311	<i>Dekintia</i>	440
<i>aristatus</i> , Rottb.	311	<i>africana</i> , Gilg.	440
<i>auricomus</i> , Spr.	311	<i>Denekia</i>	509
<i>betschuanus</i> , Boeck.	311	<i>capensis</i> , Thunb.	509
<i>compactus</i> , Lam.....	311	<i>Derris</i>	380
var. <i>flavissimus</i> , C. B. Cl	311	<i>violacea</i> , Harms	380
<i>denudatus</i> , Linn. f.	312	<i>Desmodium</i>	378
<i>distan</i> , Linn. f.	312	<i>dimorphum</i> , Welb.	378
<i>dregeanus</i> , Kunth.	312	<i>lasiocarpum</i> , DC.....	378
<i>esculentus</i> , L.	312	<i>latifolium</i> , DC.....	378
<i>globosus</i> , Boeck.	312	<i>paleaceum</i> , G. & P.....	379
<i>Haspan</i> , L.	312	<i>Scalpe</i> , DC.	379
var. <i>americana</i> , Boeck.	312	<i>Detris</i>	507
<i>hemisphaericus</i> , C. B. Cl.....	312	<i>simulans</i> ?	507
<i>margaritaceus</i> , Vahl.	312	<i>Dialium</i>	367
<i>Mundtii</i> , Kunth.	312	<i>guineense</i> , Willd.....	367
<i>papyrus</i> , L.	312	<i>Diapedium</i>	485
<i>polystachyus</i> , Rottb.	312	<i>Melleri</i> , S. Moore	485
var. <i>laxiflora</i> , Benth.	313	DICHAPELALACEAE	392
<i>pulcher</i> , Thunb.	313	<i>Dichapetalum</i>	392
<i>radiatus</i> , Vahl.....	313	<i>cymosum</i> , Hook.	392
<i>sieberianus</i> , Nees	313	<i>rhodesicum</i> , Sprg. & Htch.	392
<i>sphaerospermus</i> , Schrad.....	313	<i>Diehilus</i>	370
<i>textilis</i> , Thunb.....	313	<i>lebeckioides</i> , DC.....	370
<i>Zollingeri</i> , Steud.....	313	<i>Dichrostachys</i>	363
<i>Cyphia</i>	501	<i>nutans</i> , Benth.	363
<i>alba</i> , N. E. Br.....	501	<i>Dicliptera</i>	485
<i>mazoensis</i> , S. Moore	501	<i>cephalantha</i> , S. Moore	485
<i>Cyphocarpa</i>	348	<i>Melleri</i> , Rolfe	485
<i>angustifolia</i> , Lopr.	348	<i>Monroi</i> , S. Moore	485
<i>Cyrtanthus</i>	327	<i>nobilis</i> , S. Moore	485
<i>angustifolius</i> , Ait.	327	<i>Swynnertonii</i> , S. Moore	485
<i>rhodesianus</i> , Rendle	327	<i>tanganyikensis</i> , C. B. Cl.	485
<i>Dactyloctenium</i>	307	<i>Diclis</i>	470

	PAGE		PAGE
Diclis—		DIPSACACEAE	498
petiolaris, <i>Benth.</i>	470	DIPTEROCARPACEAE	421
Dicoma	521	Dirichletia	489
anomala, <i>Sond.</i>	521	pubescens, <i>Klotzsch.</i>	489
var. microcephala, <i>Hrc.</i>	521	Disa	335
var. Sonderi, <i>Harr.</i>	521	equestris, <i>Reichb. f.</i>	335
Kirkii, <i>Harr.</i>	521	hamatopetala, <i>Rendle</i>	335
var. angustifolia, <i>S. Moore</i>	522	Disperma	482
Schinzii, <i>O. Hoffm.</i>	522	densiflorum, <i>C. B. Cl.</i>	482
sessiflora, <i>Harr.</i>	522	quadrisepalum, <i>C. B. Cl.</i>	
tomentosa, <i>Cass.</i>	522	var. grandifolium, <i>S. Moore</i>	482
Dieraca	357	viscidissimum, <i>S. Moore.</i>	482
tenax, <i>C. H. Wright</i>	357	Dissotis	432
Didymochlæna	286	debilis, <i>Triana</i>	432
lunulata, <i>Desv.</i>	286	incana, <i>Triana</i>	432
sinuosa, <i>Desv.</i>	286	pneotricha, <i>Hook. f.</i>	432
Dierama	330	princeps, <i>Triana</i>	432
pendula, <i>Bak.</i>	330	segregata, <i>Hook. f.</i>	432
Digitaria	299	Dodonæa	406
eriantha, <i>Steud.</i>	299	viscosa, <i>L.</i>	406
monodactyla, <i>Stapf.</i>	300	Dolicholus	381
sanguinalis, <i>Scop.</i>	301	angolensis, <i>Hiern</i>	381
Dioscorea	329	caribæus, <i>Hiern</i>	381
beccariana, <i>Mart.</i>	329	Dolichos	385
Buchananii, <i>Benth.</i>	329	euryphyllus, <i>Harms</i>	
dumetorum, <i>Pax</i>	329	forma lobata	385
quartiniana, <i>A. Rich.</i>	329	falciformis, <i>E. Mey.</i>	385
sativa, <i>L.</i>	329	gibbosus, <i>Thunb.</i>	385
schimperiana, <i>Hochst.</i>	329	Hendrickxii, <i>Wildem.</i>	385
var. vestita, <i>Pax</i>	330	Lablab, <i>L.</i>	385
sylvatica, <i>Eckl.</i>	330	lupiniflorus, <i>N. E. Br.</i>	385
DIOSCOREACEAE	329	stipulosus, <i>Welch.</i>	
Dioscoreophyllum	353	var. Randii, <i>Bak. f.</i>	385
chirindense, <i>Seyn.</i>	353	tricolatus, <i>Bak. f.</i>	385
Diospyros	439	Dombeya	418
mashuma?	439	densiflora, <i>Planch.</i>	418
mespiliformis, <i>Hochst.</i>	439	reticulata, <i>K. Schum.</i>	418
sabiensis, <i>Hiern</i>	439	rosea, <i>Bak. f.</i>	418
Dipcadi	324	rotundifolia, <i>Harr.</i>	418
anthericoides, <i>Engl.</i>	324	Doryalis	423
filamentosum, <i>Medic.</i>	324	caffra, <i>Sim.</i>	423
hyacinthoides, <i>Bak.</i>	324	macrocalyx, <i>Warb.</i>	423
viride, <i>Moench.</i>	324	Zeyheri, (<i>Sondl.</i>)	423
Diphaca	377	Doryalis	423
trichocarpa, <i>Taub.</i>	377	Dracena	325
Diplachne	307	fragrans, <i>Gawl.</i>	325
alopencuroides, <i>Stapf.</i>	307	gazensis, <i>Rendle</i>	325
bilflora, <i>Hack.</i>		Drimiopsis	325
var. Buchananii, <i>Stapf</i>	307	maculata, <i>Lindl.</i>	325
Diplophium	434	Drosera	357
zambesianum, <i>Hiern</i>	434	burkeana, <i>Planch.</i>	357
Diplophynechus	415	indica, <i>L.</i>	357
mossambicensis, <i>Benth.</i>	445	ramentacea, <i>Burch.</i>	357

	PAGE		PAGE
DROSERACEAE.....	357	Empogona.....	491
Dumasia.....	380	Allenii, Stapf.....	491
villosa, DC.....	380	Englerastrum.....	464
Duranta.....	459	Schweinfurthii, Briq.....	464
Plumieri, Jacq.....	459	Enneapogon.....	307
Dyschoriste.....	481	mollis, Lehm.....	307
alba, S. Moore.....	481	Entada sp.....	364
depressa, Nees.....	482	Epaltes.....	509
Fischeri, Lindau.....	482	gariopina, Steetz.....	509
matopensis, N. E. Br.....	482	Epilobium.....	433
Monroi, S. Moore.....	482	neriophyllum, Hausskn.....	433
Perrottetii, O. Ktze.....	482	hirsutum L.....	433
radicans, (T. And.) O. Ktze.....	482	EQUISETACEAE.....	290
EBENACEAE.....	438	Equisetum.....	290
Ectadiopsis.....	446	ramosissimum, Desf.....	290
oblongifolia, Benth.....	446	Eragrostis.....	308
Ehretia.....	456	abyssinica?.....	308
amœna, Klotzsch.....	456	aspera, Nees.....	308
caffra, Sond.....	456	Atherstonei, Stapf.....	308
divaricata, Bak.....	456	barbinodis, Hack.....	308
Fischeri, Gürke.....	456	brizoides, Nees.....	308
hottentotica, Burch.....	456	chalcantha, Trin.....	308
mossambicensis, Klotzsch.....	456	Chapelieri, Nees.....	308
Ekebergia.....	389	chloromelas, Steud.....	308
arborea, Bak. f.....	389	congesta, Oliv.....	308
Meyeri, Presl.....	389	curvula, Nees.....	308
Elæodendron.....	404	denudata, Hack.....	309
capense, E. & Z.....	404	gangetica, Steud.....	309
matabelicum, Loes.....	404	gummiflua, Nees.....	309
ELATINACEAE.....	421	hispidula, K. Schum.....	309
Eleocharis.....	315	interrupta, Beauv.....	
capitata, R. Br.....	315	var. namaquensis, Dur. & Schnz.....	309
Kirkii, C. B. Cl.....	315	Jeffreysii, Hack.....	309
Elephantopus.....	506	Lappula, Nees.....	
scaber, L.....	506	var. divaricata, Stapf.....	309
Elephantorrhiza.....	364	lehmanniana, Nees.....	309
Burchelli, Benth.....	364	major, Host.....	309
Burkei, Benth.....	364	Marlothii, Hack.....	308
rubescens, Gibbs.....	364	namaquensis, Nees.....	309
Eleusine.....	307	var. robusta, Stapf.....	309
corocana, Gaertn.....	307	patentipilosa, Hack.....	309
indica, Gaertn.....	307	plana, Nees.....	309
Elionurus.....	295	plumosa, Link.....	309
argenteus, Nees.....	295	sclerantha, Nees.....	
var. thymodora, Stapf.....	295	var. retinorrhæa, Steud.....	310
Embelia.....	436	superba, Peyr.....	310
nyassana, Gilg.....	436	tenella, Stapf.....	
oleifolia, S. Moore.....	436	var. plumosa.....	310
Emilia.....	518	tenella, Beauv.....	
flammea, Cass.....	519	var. viscosa, Stapf.....	310
protracta, S. Moore.....	518	uniglumis, Hack.....	310
sagittata, DC.....	519	viscosa, Trin.....	310
		Wilmsii, Stapf.....	310

	PAGE		PAGE
Eranthemum	483	Erythroxyton—	
subviscosum, C. B. Cl.	483	<i>emarginatum</i> , Shum. & Thn.	387
Erianthus	294	<i>monogynum</i> , Roxb.	387
<i>teretifolius</i> , Stapf	294	var. <i>cafrum</i> , O. E. Schz.	387
Erica	435	<i>pictum</i> , E. Mey.	387
<i>lanceolifera</i> , S. Moore	435	Ethulia	502
<i>pleiotricha</i> , S. Moore	435	<i>conyzoides</i> , L.	502
<i>Swynnertonii</i> , S. Moore	435	Euclea	438
<i>thryptomenoides</i> , S. Moore	435	<i>divinorum</i> , Hiern	438
ERICACEAE	435	<i>Eylesii</i> , Hiern	438
Erigeron	506	<i>Kellau</i> , Hochst.	438
<i>canadense</i> , L.	506	<i>lancea</i> , Thunb.	438
ERIOCAULACEAE	318	<i>lanceolata</i> , E. Mey.	438
Eriocaulon	318	var. <i>angustifolia</i> , Hiern	439
<i>africanum</i> , Hochst.	318	var. <i>confertiflora</i> , Hiern	439
<i>amphibium</i> , Rendle	318	var. <i>parvifolia</i> , Hiern	439
<i>bifistulosum</i> , Van Heurck	318	<i>macrophylla</i> , E. Mey.	439
<i>lacteum</i> , Rendle	318	<i>multiflora</i> , Hiern	439
<i>matopense</i> , Rendle	318	<i>undulata</i> , Thunb.	439
<i>submersum</i> , Welw.	318	Eucomis	324
<i>subulatum</i> , N. E. Br.	318	<i>undulata</i> , Ait.	324
Eriosema	383	<i>zambesiaca</i> , Bak.	325
<i>Barkei</i> , Benth.	383	Eugenia	430
<i>cajanoides</i> , Hook. f.	383	<i>angolensis</i> , Engl.	430
<i>ellipticum</i> , Welw.	383	<i>benguellensis</i> , Welw.	431
<i>Engleri</i> , Harms.	383	<i>chirindensis</i> , Bak. f.	430
<i>montanum</i> , Bak. f.	383	<i>cordata</i> , Lours.	430
<i>oblongum</i> , Benth.	383	<i>guineensis</i>	
<i>parviflorum</i> , E. Mey.	383	var. <i>huillensis</i> , Hiern	431
<i>polystachyum</i> , Bak.	383	<i>owariensis</i> , P. Beaur.	431
<i>psoraloides</i> , G. Don	383	<i>forma</i> , <i>latifolia</i> , E. & G.	431
<i>shirense</i> , Bak. f.	383	Eulophia	336
Eriospermum	322	<i>arenaria</i> , Bolus	335
<i>Cecili</i> , Bak.	322	<i>Buchananii</i> , Bol.	335
Eriospora	316	<i>dregeana</i> , Ländl.	336
<i>villosula</i> , C. B. Cl.	316	<i>Krebsii</i> , Bolus	336
Erlangea	502	<i>milanjiana</i> , Rendle	336
<i>Eylesii</i> , S. Moore	502	<i>sneccatus</i> , Rendle	336
<i>laxa</i> , S. Moore	502	<i>speciosa</i> , Bolus	336
<i>longipes</i> , S. Moore	502	<i>Swynnertonii</i> , Rendle	336
<i>Schinzii</i> , O. Hoffm.	502	<i>undulata</i> ?	337
Erythrina	381	<i>Welwitschii</i> , Rolfe	337
<i>humeana</i> , Spreng.	381	Eupatorium	506
<i>Humei</i> , E. Mey.	381	<i>africanum</i> , O. & H.	506
<i>latissima</i> , E. Mey.	381	Euphorbia	398
<i>tomentosa</i> , R. Br.	380	<i>abyssinica</i> , Gmelin	398
Erythrocephalum	522	<i>angularis</i> , Klotzsch	398
<i>zambesianum</i> , O. & H.	522	<i>benguellensis</i> , Pax	400
Erythrophloeum	364	<i>crotonoides</i> , Boiss.	399
<i>pubistamineum</i> , Hemm.	364	<i>cyparissiioides</i> , Par	399
ERYTHROXYLACEAE	387	var. <i>minor</i> , N. E. Br.	399
Erythroxyton	387	<i>depauperata</i> , Hochst.	399
<i>cafrum</i> , Sond.	387	<i>ericoides</i> , Lam.	399

	PAGE		PAGE
<i>Euphorbia</i> —		<i>Faurea</i> —	
<i>espinosa</i> , Pax	399	<i>usambarensis</i> , Engl.	341
<i>Eylesii</i> , Rendle	399	<i>Felicia</i>	506
<i>grandidens</i> , Harv.	399	<i>angustifolia</i> , Nees	506
<i>griseola</i> , Pax		<i>fascicularis</i> , DC.	506
var. <i>robusta</i> , Pax	399	<i>hyssopifolia</i> , Nees	507
<i>helioscopia</i> , L.	399	<i>lutea</i> , N. E. Br.	507
<i>jaegeriana</i> , Pax	399	<i>simulans</i> ?	507
<i>livida</i> , E. Mey.	399	<i>tenella</i> , DC.	507
<i>matabelensis</i> , Pax	399	<i>Feretia</i>	491
<i>Mozambicensis</i> , N. E. Br.	399	<i>æruginescens</i> , Stapf.	491
<i>Oatesii</i> , Rolfe	400	<i>Ferraria</i>	330
<i>Reinhardtii</i> , Volk.	400	<i>Randii</i> , Rendle	330
<i>rubriflora</i> , N. E. Br.	400	<i>Festuca</i> sp.	310
<i>schimperiana</i> , Scheele	400	<i>Ficus</i>	339
var. <i>Buchanani</i> , N. E. Br.	400	<i>caffra</i> , Miq.	339
<i>Schinzii</i> , Pax	400	<i>capensis</i> , Thunb.	339
<i>tettensis</i> , Klotzsch	400	<i>capreæfolia</i> , Del.	339
<i>tortistyla</i> , N. E. Br.	400	<i>exasperata</i> , Vahl.	339
<i>trichadenia</i> , Pax	400	<i>lutea</i> , Vahl.	339
<i>trifurca</i> , N. E. Br.	399	<i>maschoniae</i> , Warb.	339
<i>whyteana</i> , Bak. f.	400	<i>matabelae</i> , Warb.	339
<i>EUPHORBACEAE</i>	392	<i>natalensis</i> , Hochst.	339
<i>Euryops</i>	519	<i>Rehmannii</i> , Warb.	339
<i>Osteospermum</i> , S. Moore	519	<i>rhodesiaca</i> , Warb.	339
var. <i>parvifolia</i> , S. Moore	519	<i>salicifolia</i> , Vahl	
<i>Evolvulus</i>	452	var. <i>australis</i> , Warb.	339
<i>alsinoides</i> , L.	452	<i>Sonderi</i> , Miq.	339
<i>Exacum</i>	442	var. <i>villosa</i> , Warb.	340
<i>quinquennervium</i> , Griseb.	442	<i>subcalcarata</i> , Warb. & Schf.	340
<i>Exœcaria</i> sp.	398	<i>victoriae</i> , Warb.	340
<i>sylvestris</i> , S. Moore	398	<i>Fimbraria</i>	278
<i>Exochænum</i>	443	<i>marginata</i> , Nees	278
<i>exiguum</i> , A. W. Hill	443	<i>Fimbristylis</i>	315
<i>grande</i> , Griseb.	443	<i>Burchellii</i> , Fic. & Hiern	315
<i>Eylesia</i>	475	<i>diphylla</i> , Vahl.	315
<i>buchneroides</i> , S. Moore	475	<i>exilis</i> , Roem. & Schl.	315
		<i>rhodesiana</i> , Rendle	315
<i>Fabricia</i>	379	<i>schœnoides</i> , Kunth.	316
<i>rugosa</i> , O. Ktze.	379	<i>Flacourtia</i>	422
<i>Zeyheri</i> , O. Ktze.	379	<i>hirtiuscula</i> , Oliv.	422
<i>Fadogia</i>	494	<i>Ramontchi</i> , L'Hér.	422
<i>Cienkowski</i> , Schweinf.	494	<i>FLACOURTIACEAE</i>	422
<i>lateritica</i> , K. Krause	494	<i>Flemingia</i>	383
<i>obovata</i> , N. E. Br.	494	<i>rhodocarpa</i> , Bak.	383
<i>stenophylla</i> , Welw.	494	<i>Fleurya</i>	340
<i>tetraquetra</i> , K. Krause	494	<i>capensis</i> , Wedd.	340
<i>Zeyheri</i> , Sond.	494	<i>Floscopa</i>	320
<i>Faurea</i>	340	<i>glomerata</i> , Hassk.	320
<i>racemosa</i> , Farmar	340	<i>Flüggea</i>	393
<i>saligna</i> , Harv.	341	<i>microcarpa</i> , Blume	393
<i>speciosa</i> , Welw.	341	<i>Fockea</i>	451
var. <i>lanuginosa</i> , Hiern	341	<i>Monroi</i> , S. Moore	451

	PAGE		PAGE
Freylinia	471	Geranium—	
tropica, <i>S. Moore</i>	471	Thodei, <i>R. Kunth</i>	385
Fuirena	314	Gerbera	522
glomerata, <i>Lam.</i>	314	abyssinica, <i>Sch. Bip.</i>	522
hirta, <i>Vahl</i>	314	ambigua, <i>Sch. Bip.</i>	522
Œdipus, <i>C. B. Cl.</i>	314	discolor, <i>Sond.</i>	522
pachyrrhiza, <i>Ridl.</i>	314	natalensis, <i>Sch. Bip.</i>	522
pubescens, <i>Kunth.</i>	314	piloselloides, <i>Cass.</i>	522
striata, <i>Steud.</i>	314	plantaginea, <i>Harr.</i>	522
subdigitata, <i>C. B. Cl.</i>	314	viridifolia, <i>Sch. Bip.</i>	522
umbellata, <i>Rottb.</i>	314	GESNERIACEAE	479
Welwitschii, <i>Ridley</i>	314	Gibbera	277
Galactia sp	381	tinctoria, <i>Massee</i>	277
Galium	497	Giesekia	350
stenophyllum, <i>Bak.</i>	497	pharnaceoides, <i>L.</i>	350
Galopina	496	Gladialus	331
circæoides, <i>Thunb.</i>	496	atropurpureus, <i>Bak.</i>	331
Garcinia	421	brevicaulis, <i>Bak.</i>	331
Livingstonei, <i>T. Aud.</i>	421	brevifolius, <i>Jacq.</i>	331
Gardenia	490	dracocephalus, <i>Hook. f.</i>	331
asperula, <i>Stpf. & Htch.</i>	490	gazensis, <i>Rendle</i>	331
Neuberia, <i>E. & Z.</i>	490	Melleri, <i>Bak.</i>	331
Norae, <i>Siegn.</i>	490	Oatesii, <i>Rolfe</i>	331
posoquerioides, <i>S. Moore</i>	490	permeabilis, <i>Delar.</i>	331
resiniflua, <i>Hieru</i>	490	primulinus, <i>Bak.</i>	331
rothmannia, <i>Linn. f.</i>	490	quartinianus, <i>A. Rich.</i>	331
spatulifolia, <i>S. & H.</i>	490	Gleditschia	368
thunbergia, <i>Linn. f.</i>	491	africana, <i>Walc.</i>	368
tigrina, <i>Welw.</i>	491	Gleichenia	288
Gazania	520	diehotoma, <i>Willd.</i>	288
krebsiana, <i>Less.</i>	520	polypodioides, <i>Sm.</i>	289
var. hispidula, <i>Hrc</i>	520	umbraculifera, <i>T. Moore</i>	289
Geigeria	513	GLEICHENIACEAE	288
passerinoides, <i>Harr.</i>	513	Glinus sp.	350
proten-a, <i>Harr.</i>		lotoides, <i>L.</i>	350
var. pubigera, <i>S. Moore</i>	513	Gloriosa	320
pubescens, <i>S. Moore</i>	513	simpler, <i>L.</i>	321
Randii, <i>S. Moore</i>	514	superba, <i>L.</i>	320
rhodesiana, <i>S. Moore</i>	514	virescens, <i>Liudl.</i>	321
Zeyheri, <i>Harr.</i>	514	Glycine	380
Gelonium	398	javanica, <i>L.</i>	380
procerum, <i>Prain</i>	398	Gnaphalium	510
Geniosporum	466	luteo-album, <i>L.</i>	510
angolense, <i>Briq.</i>	466	Gnidia	425
Genlisea	479	anthylloides ?	425
africana, <i>Oliv.</i>	479	Buchananii, <i>Gilg.</i>	425
GENTIANACEAE	442	chrysantha, <i>Gilg.</i>	425
Geophila	496	kraussiana, <i>Meisn.</i>	425
uniflora, <i>Hieru</i>	496	microcephala, <i>Meisn.</i>	425
GERANIACEAE	385	microphylla, <i>Meisn.</i>	425
Geranium	385	phyllodinea, <i>S. Moore</i>	425
caufum, <i>E. & Z.</i>	385	roridus, (<i>S. Moore</i>)	425
		Gomphocarpus	448

	PAGE		PAGE
Gomphocarpus —		Gynura —	
<i>aureus</i> , Schlechter	448	<i>cernua</i> , Benth.	517
<i>concolor</i> , Decne.	448	<i>crepidioides</i> , Benth.	517
<i>fruticosus</i> R. Br.	449	<i>sarcobasis</i> , DC.	517
<i>glaucophyllus</i> , Schltr.	449	<i>vitellina</i> , Benth.	517
<i>lincolatus</i> , Decne.	449	Gyrocarpus sp.	355
<i>physocarpus</i> , E. Mey.	449		
Gomphostigma	442	Habenaria	334
<i>scoparioides</i> , Turcz.	442	<i>antennifera</i> , Rolfe	334
Gonioma	445	<i>malocophylla</i> , Rehb. f.	334
<i>Kamassi</i> , E. Mey.	445	<i>pedicellaris</i> , Rehb. f.	334
Gossypium sp.	417	<i>Rehmanni</i> , Bolus.	334
Gouania	407	Hæmanthus	327
<i>longispicata</i> , Engl.	407	<i>Cecilae</i> , Bak.	327
Graderia	474	<i>multiflorus</i> , Martyn.	327
<i>scabra</i> , Benth.	474	<i>zambesiacus</i> , Bak.	327
GRAMINEAE	293	Halleria	471
Grangea	506	<i>lucida</i> , L.	471
<i>maderaspatana</i> , Poir	506	<i>Haplocarpha</i>	520
Grewia	410	<i>scaposa</i> , Harv.	520
<i>cana</i> , Sond.	410	<i>Hariota</i>	424
<i>chirindae</i> , Bak. f.	410	<i>parasitica</i> , O. Ktze.	424
<i>flava</i> , DC.	410	Haronga	420
<i>flavescens</i> , Juss.	410	<i>madagascariensis</i> , Choï.	420
<i>guazumifolia</i> , Juss.	410	Harpagophytum	477
<i>monticola</i> , Sond.	410	<i>procumbens</i> , DC.	477
<i>obovata</i> , K. Schum.	410	var. <i>sublobatum</i> , Engl.	477
<i>occidentalis</i> , L.	411	<i>Harungana</i>	420
<i>pilosa</i> , Lam.	411	<i>paniculata</i> , Pers.	420
Grumilea	496	Hebenstreitia	473
<i>panicca</i> , S. Moore	496	<i>dentata</i> , Linn. f.	473
Gruizotia	515	<i>elongata</i> , Bolus.	473
<i>abyssinica</i> , Cass.	515	<i>Holubii</i> , Rolfe	473
<i>Eylesii</i> , S. Moore	515	<i>Hedyotis</i>	488
GUTTIFERAE	420	<i>capensis</i> , Lam.	488
Gymnema	451	<i>decumbens</i> , Hochst.	488
<i>sylvestre</i> , R. Br.	451	<i>Heynei</i> , R. Br.	488
Gymnogramme	283	<i>hirtula</i> , Harv.	488
<i>argentea</i> , Mett.	283	<i>natalensis</i> , Hochst.	488
var. <i>aurea</i> , Mett.	284	<i>thymifolia</i> , Presl.	489
<i>cordata</i> , Schlecht.	284	Heeria	401
var. <i>namaquensis</i> , P. & R.	284	<i>insignis</i> , O. Ktze.	
<i>lanceolata</i> , Hook.	284	var. <i>reticulata</i> , Bak. f.	401
<i>leptophylla</i> , Desv.	284	<i>paniculosa</i> , Engl.	401
<i>rosea</i> , Desv.	284	<i>pulcherrima</i> , (Schwef.), O. Ktze. ..	402
Gymnosporia	404	<i>reticulata</i> , (Bak.) Engl.	402
<i>buxifolia</i> , (Sd.) Szyzyl.	404	Heinsenias	492
<i>senegalensis</i> , Loess.	404	<i>sylvestris</i> , S. Moore	492
var. <i>inermis</i> ?	404	Heinsia	491
var. <i>spinosa</i> ?	404	<i>jasminiflora</i> , DC.	491
Gyandropsis	356	Heleocharis	315
<i>pentaphylla</i> , DC.	356	<i>capitata</i> , Boeck.	315
Gynura	517	<i>Kirkii</i> , C. B. Cl.	315

	PAGE
<i>Helichrysum</i>	510
<i>acervatum</i> , <i>S. Moore</i>	510
<i>adenocarpum</i> , <i>DC.</i>	510
<i>appendiculatum</i> , <i>Less.</i>	510
<i>argyrosphaerum</i> , <i>DC.</i>	510
<i>auriculatum</i> , <i>Less.</i>	510
<i>brunioides</i> , <i>S. Moore</i>	510
<i>Buchanani</i> , <i>Engl.</i>	511
<i>cæspititium</i> , <i>Sond.</i>	511
<i>callicomum</i> , <i>Harr.</i>	511
<i>cymosum</i> , <i>Less.</i>	511
<i>declinatum</i> , <i>Less.</i>	511
<i>ericæfolium</i> , <i>Less.</i>	511
<i>fulgidum</i> , <i>Willd.</i>	511
<i>gazense</i> , <i>S. Moore</i>	511
<i>Kraussii</i> , <i>Sch. Bip.</i>	511
<i>latifolium</i> , <i>Less.</i>	511
<i>leiopodium</i> , <i>DC.</i>	511
<i>leptolepis</i> , <i>DC.</i>	511
<i>nitens</i> , <i>O. & H.</i>	512
<i>quinquenerve</i> , <i>Less.</i>	512
<i>Saweri</i> , <i>S. Moore</i>	512
<i>setosum</i> , <i>Harr.</i>	512
<i>stenopterum</i> , <i>DC.</i>	512
<i>var. citrinum</i> , <i>S. Moore</i>	512
<i>Swynnertonii</i> , <i>S. Moore</i>	512
<i>Helinus</i>	407
<i>mystacinus</i> , <i>Hemsl.</i>	407
<i>mystacinus</i> , <i>E. Mey. ?</i>	407
<i>ovatus</i> , <i>E. Mey.</i>	407
<i>Heliophila</i> sp.	355
<i>Heliotropium</i>	463
<i>marifolium</i> , <i>Retz.</i>	463
<i>ovalifolium</i> , <i>Forsk.</i>	463
<i>zeylanicum</i> , <i>Lam.</i>	463
<i>Hemigraphis</i>	482
<i>myosotiflora</i> , <i>Stapf.</i>	482
<i>prunelloides</i> , <i>S. Moore</i>	482
<i>Hemizygia</i>	466
<i>bracteosa</i> , <i>Briq.</i>	467
<i>flabellifolia</i> , <i>S. Moore</i>	466
<i>ornata</i> , <i>S. Moore</i>	466
<i>teuerifolia</i> , <i>Briq.</i>	468
HEPATICAE	278
<i>Hermannia</i>	418
<i>boraginiflora</i> , <i>Hook.</i>	418
<i>brachypetala</i> , <i>Harr.</i>	418
<i>depressa</i> , <i>N. E. Br.</i>	418
<i>filipes</i> , <i>Harr.</i>	418
<i>quartiniana</i> , <i>Rich.</i>	418
<i>viscosa</i> , <i>Hiern.</i>	418
<i>var. Randii</i> , <i>Bak. f.</i>	419
<i>Hermbstædia</i>	348

	PAGE
<i>Hermbstædia</i> —	
<i>elegans</i> , <i>Moq.</i>	348
HERNANDIACEAE	355
<i>Hesperantha</i>	330
<i>matopensis</i> , <i>Gibbs.</i>	330
<i>Heteromorpha</i>	434
<i>arborescens</i> , <i>Cham. & Schl.</i>	434
<i>Heteropogon</i>	295
<i>contortus</i> , <i>Roem. & Schl.</i>	295
<i>Hevea</i> sp.	397
<i>Hewittia</i>	453
<i>bicolor</i> , <i>Wight.</i>	453
<i>Hexalobus</i>	354
<i>senegalensis</i> , <i>A. DC.</i>	354
<i>Hibiscus</i>	414
<i>æthiopicus</i> , <i>L.</i>	414
<i>Allenii</i> , <i>Sprague & Htch.</i>	414
<i>articulatus</i> , <i>Hochst.</i>	414
<i>caesius</i> , <i>Gareke</i>	415
<i>calycinus</i> , <i>Willd.</i>	415
<i>calyphyllus</i> , <i>Cav.</i>	415
<i>cannabinus</i> , <i>L.</i>	415
<i>diversifolius</i> , <i>Jacq.</i>	415
<i>fureatus</i> , <i>Rorb.</i>	415
<i>gossypinus</i> , <i>Thunb.</i>	415
<i>Kirkii</i> , <i>Mast.</i>	415
<i>micranthus</i> , <i>L.</i>	415
<i>forma macranthus ?</i>	415
<i>mutatus</i> , <i>N. E. Br.</i>	415
<i>panduriformis</i> , <i>Burm.</i>	415
<i>pentaphyllus</i> , <i>F. Muell.</i>	415
<i>physaloides</i> , <i>G. & P.</i>	415
<i>pusillus</i> , <i>Thunb.</i>	416
<i>rhodanthus</i> , <i>Gürke</i>	415
<i>rhodesicus</i> , <i>Bak. f.</i>	416
<i>Schinzii</i> , <i>Gürke</i>	416
<i>shirensis</i> , <i>Sprague & H.</i>	416
<i>Solandra</i> , <i>L'Hér.</i>	416
<i>surratensis</i> , <i>L.</i>	416
<i>Swynnertonii</i> , <i>Bak. f.</i>	416
<i>ternatus</i> , <i>Mast.</i>	416
<i>Trionum</i> , <i>L.</i>	416
<i>vitifolius</i> , <i>L.</i>	416
<i>Hippeastrum</i>	328
<i>equestre</i> , <i>Herb.</i>	328
<i>Hippocratea</i>	405
<i>Buchanani</i> , <i>Loes.</i>	405
<i>cymosa</i> , <i>De Wild. & Th. Dur.</i>	405
<i>obtusifolia</i> , <i>Rorb.</i>	405
HIPPOCRATEACEAE	405
<i>Holarrhena</i>	445
<i>febrifuga</i> , <i>Klotzsch</i>	445
<i>Holothrix</i>	333

	PAGE		PAGE
Holothrix—		Hypolepis	285
<i>grandiflora</i> , <i>Rehb. f.</i>	333	<i>anthriscifolia</i> , <i>Presl.</i>	285
<i>Randii</i> , <i>Rendle</i>	334	<i>bergiana</i> , <i>Hook.</i>	286
Hoslundia	465	<i>Schimperi</i> , <i>Sim.</i>	286
<i>decumbens</i> , <i>Benth.</i>	465	Hypoxis.....	328
<i>opposita</i> , <i>Vahl</i>		<i>angustifolia</i> , <i>Lam.</i>	328
<i>var. decumbens</i> , <i>Bak.</i>	465	<i>rigidula</i> , <i>Bak.</i>	328
<i>verticillata</i> , <i>Vahl</i>	465	<i>var. pilosissima</i> , <i>Bak.</i>	328
Huernia sp.	451	<i>Rooperii</i> , <i>S. Moore</i>	328
Humea	512	<i>villosa</i> , <i>Lim. f.</i>	328
<i>africana</i> , <i>S. Moore</i>	512	Hyptis	463
Hybanthus	422	<i>pectinata</i> , <i>Poit.</i>	463
<i>enneaspermum</i> , (<i>Vent.</i>)	422		
Hydnora	345	<i>Iboza</i>	466
<i>africana</i> , <i>Thunb.</i>	345	<i>riparia</i> , <i>N. E. Br.</i>	466
HYDNORACEAE	345	ICACINACEAE	405
Hydrilla.....	293	<i>Ilex</i>	403
<i>verticillata</i> , <i>Royle</i>	293	<i>capensis</i> , <i>Sond. & Harv.</i>	403
HYDROCHARITACEAE	293	<i>mitis</i> , <i>Radl.</i>	403
Hydrocotyle	433	<i>Ilysanthes</i>	473
<i>asiatica</i> , <i>L.</i>	433	<i>conferta</i> , <i>Hiern.</i>	473
<i>moschata</i> , <i>Forst.</i>	433	<i>micrantha</i> , <i>S. Moore</i>	473
HYDROSTACHYACEAE	357	<i>Muddii</i> , <i>Hiern</i>	473
Hydrostachys	357	<i>Plantaginella</i> , <i>S. Moore</i>	473
<i>polymorpha</i> , <i>Klotzsch</i>	357	<i>Impatiens</i>	406
Hydrophila	481	<i>Cecili</i> , <i>N. E. Br.</i>	406
<i>cataractae</i> , <i>S. Moore</i>	481	<i>walleriana</i> , <i>Hook. f.</i>	406
<i>rhodesiana</i> , <i>S. Moore</i>	481	<i>zombensis</i> , <i>Bak.</i>	406
Hymenocallis		<i>Imperata</i>	293
<i>senegambica</i> , <i>Kunth & Bouché</i>	326	<i>arundinacea</i> , <i>Cyr.</i>	293
Hymenocardia	394	<i>var. Thunbergii</i> , <i>Hack.</i>	294
<i>acida</i> , <i>Tul.</i>	394	<i>cylindrica</i> , <i>Beauv.</i>	293
Hymenochæte	277	Indigofera	372
<i>rubiginosa</i> , <i>Lér.</i>	277	<i>adenoides</i> , <i>Bak. f.</i>	372
HYMENOPHYLLACEAE.....	279	<i>arrecta</i> , <i>Hochst.</i>	372
Hymenophyllum	279	<i>Cecili</i> , <i>N. E. Br.</i>	373
<i>gracile</i> , <i>Bory.</i>	279	<i>cryptantha</i> , <i>Benth.</i>	373
<i>Hypericophyllum</i>	516	<i>daleoides</i> , <i>Benth.</i>	373
<i>elatum</i> , <i>N. E. Br.</i>	516	<i>diphylla</i> , <i>Vent.</i>	373
Hypericum	420	<i>emarginella</i> , <i>Steud.</i>	373
<i>æthiopicum</i> , <i>Thunb.</i>	420	<i>endecaphylla</i> , <i>Jacq.</i>	373
<i>Lalandii</i> , <i>Choisy</i>	420	<i>filipes</i> , <i>Benth.</i>	373
<i>lanceolatum</i> , <i>Lam.</i>	420	<i>Flanaganii</i> , <i>Bolus</i>	373
<i>Hypertelis</i>	350	<i>flavicans</i> , <i>Bak.</i>	373
<i>verrucosa</i> , <i>Fenzl.</i>	350	<i>goniodes</i> , <i>Hochst.</i>	373
Hyphæne	316	<i>hedyantha</i> , <i>E. & Z.</i>	373
<i>crinita</i> , <i>Gaertn.</i>	316	<i>heptaphylla</i> , <i>Hiern</i>	373
<i>ventricosa</i> , <i>Kirk</i>	316	<i>heterotricha</i> , <i>DC.</i>	373
HYPHOMYCETES	277	<i>var. rhodesiana</i> , <i>Bak. f.</i>	374
Hypnum sp.	278	<i>hilaris</i> , <i>E. & Z.</i>	374
Hypoestes		<i>hirsuta</i> , <i>L.</i>	374
<i>aristata</i> , <i>R. Br.</i>	485	<i>inyangana</i> , <i>N. E. Br.</i>	374
<i>verticillaris</i> , <i>R. Br.</i>	485	<i>Lyallii</i> , <i>Bak.</i>	374

	PAGE		PAGE
Indigofera—		Ipomœa—	
oxalidea, Welw.	374	Randii, Rendle	455
pentaphylla, L.	374	reptans, Poir.	453
procera, Schum. & Thonn.	374	rhodesiara, Rendle	455
Schimperii Jaub. & Spch.	374	shirambensis, Bak.	455
secundiflora, Poir.	374	shupangensis, Bak.	455
senegalensis, Lam.	374	simplex	
sericea, Benth.		var. obtusisepala, Rendle	455
var. australis, Bak. f.	374	stenosiphon, Hal. f.	455
strobilifera, Hochst.	374	verbascoidea, Choisy	456
transvaalensis, Bkr. fil.	375	Welwitschii, Vatke	456
Intsia	366	Wightii, Choisy	456
cuanzensis, O. Kuntze.	366	IRIDACEAE	330
Inula	513	Isachne	299
acervata, S. Moore	513	albena, Trin.	299
glomerata, O. & H.	513	Ischaemum	294
Ionidium	422	fasciculatum, Brongn.	294
cuneaspermum, Vent.	422	var. arcuatum, Hack.	294
Ipomœa	453	Isoglossa	486
angustifolia, Jacq.	453	mossambicensis, Lindau.	486
angustisecta, Engl.	453		
aquatica, Forsk.	453	Jacquemontia	452
blepharophylla, Hal. f.	453	capitata, G. Don	452
bolusiana, Schinz.	453	Jasminum	440
calycina, Benth.	453	mauritium, Bojer.	440
cardiosepala, Hochst.	453	oleæcarpum, Bak.	440
Cecilae, N. E. Br.	454	stenolobum, Rolfe	441
coccinosperma, Hochst.		Jaumea	516
var. hirta, Rich.	454	compositarum, Bth. & Hk.	516
crassipes, Hook.	454	elata, (N. E. Br.)	516
var. cordifolia, Rendle.	454	JUNCACEAE	320
var. thunbergioides, Hal. f.	454	Juncus	320
dammarana, Rendle	454	Fontanesii, J. Gay	320
dissecta, Willd.	454	Jussiana	432
Elliotii, Bak.	456	angustifolia, Lam.	432
eriocarpa, R. Br.	454	diffusa, Forsk.	432
fragilis, Choisy.	454	repens, L.	432
var. pubescens, Hal. f.	454	suffruticosa, L.	432
var. Randii?	454	villosa, Lam.	432
Holubii, Bak.	454	Justicia	486
involuta, Beauv.	454	Bagshawei, (S. Moore)	486
lupathifolia, Hal. f.	454	Betonica, L.	486
lilacina, Blume	455	betonicoides, C. B. Cl.	486
Lugardi, N. E. Br.		debilis, Vahl.	486
var. parviflora, Rendle.	455	elegantula, S. Moore	486
magnusiana, Schinz.	455	var. elatior, S. Moore	486
obscura, Ker.	455	var. repens, S. Moore	486
Papilio, Hal. f.	455	exigua, S. Moore	486
Pes-tigridis, L.	455	Eylesii, (S. Moore)	486
pileata, Rorb.	455	filifolia, Lindau	487
pterygocaulos, Choisy	453	flava, Vahl.	487
pubescens, Choisy		glabra, Rorb.	487
var. pubescens, Hal. f.	455	matammensis, Oric.	487

	PAGE		PAGE
Justicia—		Laggera—	
<i>Melampyrum</i> , <i>S. Moore</i>	487	<i>alata</i> , <i>Sch. Bip.</i>	509
<i>prostrata</i> , <i>Nees</i>	486	<i>brevipes</i> , <i>O. & H.</i>	509
<i>protracta</i> , <i>T. And.</i>	487	<i>pterodonta</i> , <i>Sch. Bip.</i>	509
<i>pulegioides</i> , <i>E. Mey.</i>	487	<i>purpurascens</i> , <i>Sch. Bip.</i>	509
<i>rhodesiana</i> , <i>S. Moore</i>	487	<i>Landolphia</i>	444
<i>uncinulata</i> , <i>Oliv.</i>	487	<i>Buchananii</i> , <i>Stapf</i>	444
<i>Kæmpferia</i>	333	<i>Kirkii</i> , <i>Dyer</i>	444
<i>Carsoni</i> , <i>Bak.</i>	333	? <i>lucida</i> , <i>K. Schum.</i>	444
<i>Kirkii</i> , <i>K. Schum.</i>	333	<i>Swynnertonii</i> , <i>S. Moore</i>	444
var. <i>elatior</i> , <i>Stapf</i>	333	<i>Lamnea</i>	401
<i>Kalanchoe</i>	357	<i>discolor</i> , <i>Engl.</i>	401
<i>egyptiaca</i> , <i>DC.</i>	357	<i>edulis</i> , <i>Engl.</i>	401
<i>crenata</i> , <i>Haw.</i>	357	var. <i>integrifolia</i> , <i>Engl.</i> ..	401
<i>glandulosa</i> , <i>Hochst.</i>	358	<i>Schimperi</i> , <i>Engl.</i>	401
var. <i>rhodesica</i> , <i>Bak. f.</i>	358	<i>Stuhlmanni</i> , <i>Engl.</i>	401
<i>paniculata</i> , <i>Harr.</i>	358	<i>Wodier</i> , <i>Roxb.</i>	
<i>pilosa</i> , <i>Bak.</i>	358	var. <i>brevifolia</i> , <i>Engl.</i>	401
<i>rotundifolia</i> , <i>Haw.</i>	358	<i>Lantana</i>	458
<i>thyrsiflora</i> , <i>Harr.</i>	358	<i>salvifolia</i> , <i>Jacq.</i>	458
<i>Kanahia</i>	448	<i>Lapeyrousia</i>	332
<i>glaberrima</i> , <i>N. E. Br.</i>	448	<i>caudata</i> , <i>Schinz.</i>	332
<i>Monroi</i> , <i>S. Moore</i>	448	<i>cruenta</i> , <i>Bkr.</i>	332
<i>Khaya</i>	388	<i>cyanescens</i> , <i>Bak.</i>	332
<i>nyasica</i> , <i>Stapf</i>	388	<i>grandiflora</i> , <i>Bak.</i>	332
<i>Kigelia</i>	477	<i>odoratissima</i> , <i>Bak.</i>	332
<i>pinnata</i> , <i>DC.</i>		<i>porphyrosiphon</i> , <i>Bak.</i>	332
var. <i>tomentella</i> , <i>Sprague</i>	477	<i>rhodesiana</i> , <i>N. E. Br.</i>	332
<i>Kiggelaria</i>	422	<i>Sandersoni</i> , <i>Bak.</i>	332
<i>africana</i> , <i>L.</i>	422	<i>Welwitschii</i> , <i>Bak.</i>	332
<i>Kirkia</i>	388	<i>Lasicorys</i>	461
<i>acuminata</i> , <i>Oliv.</i>	388	<i>capensis</i> , <i>Benth.</i>	461
<i>Kleinia</i>	518	<i>Lasiodiscus</i>	407
<i>longiflora</i> , <i>DC.</i>	518	<i>Holtzii</i> , <i>Engl.</i>	407
<i>Kniphofia</i>	322	<i>Lasiosiphon</i>	425
<i>rhodesiana</i> , <i>Rendle</i>	322	<i>Kraussii</i> , <i>Meisn.</i>	425
<i>Kochia</i>	347	<i>roridus</i> , <i>S. Moore</i>	425
<i>decumbens</i> , <i>Hochst.</i>	347	LAURACEAE	354
<i>Koeleria</i>	310	<i>Lefeburia</i>	434
<i>cristata</i> , <i>Pers.</i>	310	<i>benguellensis</i> , <i>Welw.</i>	434
<i>Kosteletzkya</i>	416	LEGUMINOSAE	361
<i>Büttneri</i> , <i>Gürke</i>	416	LENTIBULARIACEAE	479
<i>Kyllinga</i>	313	<i>Leonotis</i>	461
<i>alba</i> , <i>Nees</i>	313	<i>melleri</i> , <i>Baker</i>	461
<i>erecta</i> , <i>Schum.</i>	313	<i>mollissima</i> , <i>Gürke</i>	461
LABIATÆ	461	<i>nepetifolia</i> , <i>R. Br.</i>	461
<i>Lactuca</i>	523	<i>Randii</i> , <i>S. Moore</i>	461
<i>capensis</i> , <i>Thunb.</i>	523	<i>spectabilis</i> , <i>S. Moore</i>	461
<i>dregeana</i> , <i>DC.</i>	523	<i>Lepidagathis</i>	
<i>virosa</i> , <i>Thunb.</i>	523	<i>scariosa</i> , <i>Nees</i>	483
<i>Laggera</i>	509	<i>Leptactinia</i>	490
		<i>lanceolata</i> , <i>K. Schum.</i>	490
		<i>Leptaspis</i>	303

	PAGE		PAGE
Leptaspis—		Lippia—	
coelenta, <i>Thur.</i>	303	asperifolia, <i>Rich.</i>	458
<i>Leptocarydion</i>	307	Oatesii, <i>Rolfe</i>	458
<i>alopecuroides</i> , <i>Stapf.</i>	307	Wilmsii, <i>Pearson</i>	458
<i>Leptochloa</i>	308	<i>Lissochilus</i>	335
<i>falcata</i> , <i>Hack.</i>	308	arenarius, <i>Lindl.</i>	335
<i>Leptogium</i> sp.	277	Buchanani, <i>Rehb. f.</i>	335
<i>Lessertia</i>	377	<i>clitellifer</i> , <i>Rehb. f.</i>	336
<i>pauciflora</i> , <i>Harr.</i>	377	<i>dilectus</i> , <i>Rehb. f.</i>	335
<i>stipulata</i> , <i>Bak. f.</i>	377	Eylesii, <i>Rendle</i>	335
<i>Leucas</i>	461	<i>Krebsii</i> , <i>Rehb. f.</i>	336
<i>capensis</i> , <i>Engl.</i>	461	livingstonianus, <i>Rehb. f.</i>	336
<i>martiniensis</i> , <i>R. Br.</i>	462	<i>microceras</i> , <i>Rehb. f.</i>	336
<i>masukensis</i> , <i>Bak.</i>	462	milanjianus, <i>Rendle</i>	336
<i>milanjiana</i> , <i>Gürke</i>	462	Oatesii, <i>Rolfe</i>	336
<i>neuflyana</i> , <i>Courb.</i>	462	<i>papilionaceus</i> , <i>Rendle</i>	336
<i>nyassae</i> , <i>Gürke</i>	462	<i>saccatus</i> , <i>Rendle</i>	336
<i>Randii</i> , <i>S. Moore</i>	462	<i>speciosus</i> , <i>R. Br.</i>	336
<i>stricta</i> , <i>Bak.</i>	462	Wakefieldii, <i>Rehb. f. & S. Moore</i>	336
<i>Leucosidea</i>	359	<i>Listia</i>	369
<i>sericea</i> , <i>E. & Z.</i>	359	<i>heterophylla</i> , <i>E. Mey</i>	369
<i>Leucospermum</i>	342	<i>Lithospermum</i> sp.	457
<i>saxosum</i> , <i>S. Moore</i>	342	<i>Lobelia</i>	501
LICHENES	277	Boivini, <i>Sond.</i>	501
<i>Lichensteinia</i> sp.	434	<i>cobaltica</i> , <i>S. Moore</i>	501
<i>Lightfootia</i>	500	<i>decipiens</i> , <i>Sond.</i>	501
<i>abyssinica</i> , <i>Hochst.</i>	500	<i>Erinus</i> , <i>L.</i>	501
<i>capillaris</i> , <i>Buek.</i>	500	var. <i>microdon</i> , <i>Sond.</i>	501
<i>denticulata</i> , <i>Sond.</i>	501	<i>fervens</i> , <i>Thunb.</i>	501
<i>glomerata</i> , <i>Engl.</i>	501	<i>fonticola</i> , <i>Engl. & Gilg.</i>	501
<i>juncea</i> , <i>Sond.</i>	501	<i>jugosa</i> , <i>S. Moore</i>	501
<i>tenuifolia</i> , <i>A. DC.</i>	501	<i>microdon</i> , <i>A. DC.</i>	502
LILIACEAE	320	<i>minutidentata</i> , <i>Engl. & G.</i>	502
<i>Limeum</i>	319	<i>natalensis</i> , <i>A. DC.</i>	502
<i>fenestrata</i> , <i>Fenzl.</i>	349	<i>thermalis</i> , <i>Thunb.</i>	502
<i>viscosum</i> , <i>Fenzl.</i>	349	<i>trullifolia</i> , <i>Hemsl.</i>	502
<i>Limnanthemum</i>	444	<i>Lochnera</i>	445
<i>indicum</i> , <i>Dur. & De Wild.</i>	444	<i>rosea</i> , <i>Reichb.</i>	445
<i>thunbergianum</i> , <i>Griseb.</i>	444	LOGANIACEAE	441
<i>Limonophila</i>	472	<i>Lolium</i> sp.	310
<i>ceratophylloides</i> , <i>Skan.</i>	472	<i>Lomaria</i>	281
<i>gratioloides</i> , <i>R. Br.</i>	472	<i>attenuata</i> , <i>Willd.</i>	281
<i>sessiflora</i> , <i>Blume</i>	472	<i>Boryana</i> , <i>Willd.</i>	281
<i>Limosella</i>	472	<i>procera</i> , <i>Spreng.</i>	281
<i>aquatica</i> , <i>L.</i>		<i>punctulata</i> , <i>Kze.</i>	281
var. <i>tenuifolia</i> , <i>Hk. f.</i>	472	<i>Lonchocarpus</i>	380
LINACEAE	386	<i>capassa</i> , <i>Rolfe</i>	380
<i>Linum</i>	386	<i>lariiflorus</i> , <i>G. & P.</i>	380
<i>Thunbergii</i> , <i>E. & Z.</i>	386	<i>Philenoptera</i> , <i>Benth.</i>	380
<i>Lipocarpa</i>	311	<i>speciosus</i> ?	369
<i>argentea</i> , <i>R. Br.</i>	311	<i>violaceus</i> , <i>Oliv.</i>	380
<i>monocephala</i> , <i>Turrill</i>	311	<i>Lopholena</i>	517
<i>Lippia</i>	458	<i>brickelliioides</i> , <i>S. Moore</i>	517

	PAGE		PAGE
Lopholena—		Lythrum—	
Randii, S. Moore	517	sagittifolium, Sond.	426
LORANTHACEAE	342	Maba	439
Loranthus	342	Mualala, Welw.	439
bulawayensis, Engl.	342	Macaranga	395
Cecilae, N. E. Br.	342	mellifera, Prain	395
curviflorus, Schinz	342	Macropetalum	450
Dregei, E. & Z.	342	Burchellii, Decne	450
var. subeuncifolius, Sprague	342	Macrorungia	485
erianthus, Sprague	342	pubinervia, C. B. Cl.	485
Eylesii, Sprague	342	Madotheca	278
guttatus, Sprague	342	capensis, Gottsche	278
kalachariensis, Schinz	343	Maerua	356
kraussianus, Meisn.	343	arenicola, Gilg.	356
kraussianus, Gibbs	343	caffra, Pax	356
Meyeri, Presl.	343	maschonica, Gilg.	356
mweroensis, Bak.	343	nervosa, Oliv.	356
namaquensis, Harv.	343	var. flagellaris, Oliv.	356
quinguangulus, Engl. & Schinz.		Maesa	436
var. pedicellatus, Sprague	343	lanceolata, Forsk.	436
Swynnertonii, Sprague	343	rufescens, A. DC.	436
virescens, N. E. Br.	343	Mahernia	418
zambesicus, Gibbs	343	abyssinica, Hochst.	418
Lotononis	369	Mallotus	395
aristata, Schinz		Melleri, Müll. Arg.	395
var. gazensis, Bak. f.	369	MALPIGHACEAE	390
Leobordea, Benth.	369	MALVACEAE	412
Lovoa	390	Malvastrum spp.	413
Swynnertonii, Bak. f.	390	Manihot	397
Ludwigia	432	Glaziovii, Müll. Arg.	397
jussiaeoides, Harv.	432	Manulea	471
pulvaris, Gilg.	432	rhodesiana, S. Moore	471
Lycium	468	Marattia	290
arabicum, Schweinf.	468	fraxinea, Sm.	290
horridum, Thunb.	468	MARATTIACEAE	290
persicum, Miers	468	Marchantia	278
tetrandrum, Thunb.	468	polymorpha, L.	278
LYCOPODIACEAE	291	Margaretta	448
Lycopodium	291	Holstii, K. Schum.	448
carolinianum, L.	291	Whytei, K. Schum.	448
cernuum, L.	291	Mariscus	
clavatum, L.		hemisphaericus, C. B. Cl.	312
var. inflexum, Spring.	291	radiatus ?	313
verticillatum, L.	291	sieberianus, Nees	313
Lygodium	289	Markhamia	477
Brycei, Bak.	289	acuminata, Sprague	477
Kerstenii, Kuhn.	289	lanata, K. Schum.	477
subulatum, Bojer	289	Marsdenia	451
Lyperia	471	zambesiaca, Schlechter	451
atropurpurea, Benth.	471	Marsea	
burkeana, Benth.	471	egyptiaca, Hiern	507
LYTHRACEAE	425	persicaefolia, Hiern	508
Lythrum	426		

	PAGE		PAGE
Marsilia	290	Mesosphacrum	
biloba, Willd.	290	pectinatum, O. Kuntze	463
capensis, A. Br.	290	Microcharis sp.	376
macrocarpa, Presl.		Microchloa	306
var. lobata, Sim	290	caffra, Nees	306
MARSILIACEAE	290	Micromeria	
Meibomia		biflora, Benth.	462
dimorpha, O. Kuntze	378	Mikania	506
lasiocarpa, O. Kuntze	378	capensis	506
oxybractea, O. Kuntze.....	379	scandens, Willd.	506
repanda, O. Kuntze.....	379	Mimosa	363
Melanthera	515	asperata, L.	363
Brownii, Sch. Bip.	515	Mimulus	472
Melasma	473	angustifolius, Hochst.	472
communis (Hemsl.)	473	gracilis, R. Br.	472
orobanchoides, Engl.	473	strictus, Benth.	472
sessiliflorum, Hieru	474	Mimusops	437
MELASTOMATACEAE	431	decorifolia, S. Moore	437
Melhania	417	Kirkii, Bak.	437
acuminata, Mast.	417	Mochisia, Bak.	437
ferruginea, A. Rich.	417	Monroi, S. Moore	437
Forbesii, Planch.	417	Zeyheri, Sond.	
linearifolia, Sond.	417	var. laurifolia, Engl.	438
obtusa, N. E. Br.	417	Mohria	289
prostrata, DC.	417	caffrorum, Desv.	289
forma latifolia ?	417	lepigera, Bak.	289
Randii, Bak. f.	417	Mollugo	350
Melia	389	Cerviana, Seringe	350
azedarach, L.	389	Glinus, A. Rich.	350
MELIACEAE	388	hirta, Thunb.	
MELIANTHIACEAE	406	var. virens, Hieru	350
Melinis	298	nudicaulis, Lam.	350
minutiflora, Beauv.	298	Momordica	498
Mellera	481	Balsamina, L.	498
lobulata, S. Moore	481	clenatidea, Sond.	498
Melochia	419	cordifolia, Sond.	498
corechorifolia, L.	419	foetida, Schum. & Thonn.	498
Melothria	498	involuerata, E. Mey.	498
longepedunculata, Cogn.	498	Morkorra, A. Rich.	498
MENISPERMACEAE	353	Monechma	
Menodora	440	bracteatum, Hochst.	486
heterophylla, Moric.	440	MONIMIACEAE	354
Mentha	463	Monotes	421
longifolia, Huds.	463	africanus, A. DC.	
sylvestris, L.	463	var. denudans, Hieru	421
Merremia	453	glaber, Sprague	421
angustifolia, Hal. f.	453	hypoleucus, Gilg.	421
palmata, Hal. f.	453	Monsonia	386
pinnata, Hal. f.	453	biflora, DC.	386
pterygochaulos, Hal. f.	453	burkeana, Planch.	386
Mesembrianthemum	351	ovata, Cav.	386
Mahoni, N. E. Br.	351	MORACEAE	339
sp.	351	Morera	330

	PAGE		PAGE
Moræa—		Nephrodium—	
<i>edulis</i> , Ker.	330	<i>Filix-mas</i> , Rich.	
<i>iridioides</i> , L.	330	var. <i>elongatum</i> , Hook.	280
<i>Randii</i> , Rendle.	330	<i>hippocrepis</i> , Desv.	280
Moschosma	466	<i>inæquale</i> , Hook.	280
<i>multiflorum</i> , Benth.	466	<i>mauritanum</i> , Fée.	280
<i>riparium</i> , Hochst.	466	<i>molle</i> , Desv.	280
Mostuea	441	var. <i>violaceum</i> , Mett.	280
<i>Walleri</i> , Bak.	441	<i>Thelypteris</i> , Desv.	280
Mucuna	381	v. <i>squamuligera</i> , Sch.	280
<i>coriacea</i> , Bak.	381	<i>unitum</i> , R. Br.	280
Mundulea	375	Nephrolepis	281
<i>suberosa</i> , Benth.	375	<i>cordifolia</i> , Presl.	281
Musa	333	<i>exaltata</i> , Schott.	280
<i>ensete</i> , Gmel.	333	Nesaea	426
MUSACEÆ	333	<i>erecta</i> , G. & P.	426
MUSCI	278	<i>floribunda</i> , Sond.	426
Mussaenda	490	<i>heptamera</i> , Hiern	426
<i>arcuata</i> , Poir.	490	<i>micronata</i> , Koehne	426
Myrianthus	340	<i>passerinoides</i> , Koehne	426
<i>arboreus</i> , Beauv.	340	<i>radicans</i> , Guill. & Perr.	426
Myrica	338	<i>rigidula</i> , Koehne	426
<i>æthiopica</i> , L.	338	<i>sagittifolia</i> , Sond.	426
<i>pilulifera</i> , Rendle	338	<i>Stuhlmannii</i> , Koehne	427
var. <i>puberula</i> , Rendle	338	<i>triflora</i> , H. B. Kunth	427
MYRICACEÆ	338	Neumannia	422
MYROTHAMNACEÆ	359	<i>theæformis</i> , (Benth.)	422
Myrothamnus	359	<i>Neurocarpa</i>	489
<i>flabellifolia</i> , Welsch.	359	<i>lanceolata</i> , R. Br.	489
MYRSINACEÆ	436	Nicandra	468
Myrsine	436	<i>physaloides</i> , Gaertn.	468
<i>africana</i> , L.	436	Nicolasia	509
MYRTACEÆ	430	<i>nitens</i> , Sp. Moore	509
Mystacidium sp.	337	Nidorella	507
		<i>auriculata</i> , DC.	507
Nasturtium	355	<i>depauperata</i> , Harr.	507
<i>fluviatile</i> , E. Mey.	355	<i>hirta</i> , DC.	507
Nelsonia	480	<i>microcephala</i> , Steetz	507
<i>campestris</i> , R. Br.	480	<i>namaquensis</i> , ?	507
<i>tomentosa</i> , Willd.	480	<i>resedifolia</i> , DC.	507
Nemesia	470	Niebuhria	356
<i>affinis</i> , Benth.	470	<i>nerrosa</i> , Hochst.	356
<i>dentata</i> , G. Don.	470	<i>triphylla</i> , Wendl.	356
<i>divergens</i> , Benth.	470	Nitella	277
<i>fetens</i> , Vent.	470	<i>hyalina</i> , Ag.	277
Neoboutonia	395	Nolletia sp.	508
<i>Melleri</i> , Prain	395	Nostoc	277
Nephrodium	279	<i>commune</i> , Vaucher.	277
<i>albo-punctatum</i> , Desv.	279	Notochlæna	285
<i>athamanticum</i> , Hook.	279	<i>Buchanani</i> , Bak.	285
<i>bergianum</i> , Bak.	280	<i>inæqualis</i> , Kze.	285
<i>catopterum</i> , Hook.	280	Nuxia	442
<i>ciutarium</i> , Bak.	280	<i>dentata</i> , R. Br.	442

	PAGE		PAGE
<i>Nuxia</i> —		<i>Oldenlandia</i> —	
<i>Holstii, Gilg.</i>	442	<i>natalensis, O. Kuntze</i>	488
<i>Sambesina, Gilg.</i>	442	<i>obtusiloba, Hiern</i>	488
<i>viscosa, Gibbs</i>	442	<i>papillosa, K. Schum.</i>	489
<i>NYCTAGINACEAE</i>	349	<i>rhodesiana, S. Moore</i>	489
<i>Nymphæa</i>	352	<i>thymifolia, Prantl.</i>	489
<i>lotus, L.</i>	352	<i>trinervia, Retz.</i>	489
<i>malabarica, Poir.</i>	352	<i>Welwitschii, Hiern</i>	489
<i>stellata, Willd.</i>	352	<i>Olea</i>	440
<i>NYMPHÆACEAE</i>	352	<i>chrysophylla, Lam.</i>	440
<i>Occhra</i>	419	<i>laurifolia, Lam.</i>	440
<i>Antunesii, Engl. & Gilg.</i>	419	<i>verrucosa, Link.</i>	440
<i>chirindica, Bak. f.</i>	419	<i>woodiana, Knobl.</i>	440
<i>leptoclada, Oliv.</i>	419	<i>OLEACEAE</i>	440
<i>pulchra, Hook. f.</i>	419	<i>Olinia</i>	424
<i>schweinfurthiana, P. Hfm.</i>	420	<i>vanguerioides, Bak. f.</i>	424
<i>OCHNACEAE</i>	419	<i>OLINIACEAE</i>	424
<i>Ocimum</i>	466	<i>Olyra</i>	303
<i>americanum, L.</i>	466	<i>latifolia, L.</i>	303
<i>angustifolium, Benth.</i>	466	<i>Oncinotis</i>	446
<i>bracteosum, Benth.</i>	467	<i>chirindica, S. Moore</i>	446
<i>Buchananii, Bak.</i>	466	<i>Oncoba</i>	422
<i>canum, Sims</i>	467	<i>spinosa, Forsk.</i>	422
<i>filamentosum, Forsk.</i>	467	<i>OPHIOGLOSSACEAE</i>	290
<i>knyanum, Vatke</i>	467	<i>Ophioglossum</i>	290
<i>obovatum, E. Mey.</i>	467	<i>reticulatum, L.</i>	290
<i>odontosepalum, S. Moore</i>	467	<i>vulgatum, L.</i>	290
<i>Randii, S. Moore</i>	467	<i>Opilia</i>	345
<i>scoparium, Gürke</i>	467	<i>amentacea, Roxb.</i>	345
<i>saue, Willd.</i>	467	<i>OPILIACEAE</i>	345
<i>Ocotidiceras</i>	278	<i>Oplismenus</i>	302
<i>julianum, Brid.</i>	278	<i>africanus, Beauv.</i>	302
<i>Odina</i>		<i>Oranthera</i>	
<i>discolor, Sond.</i>	401	<i>jasminiflora, N. E. Br.</i>	450
<i>edulis, Sond.</i>	401	<i>ORCHIDACEAE</i>	333
<i>Schimperii, Hochst.</i>	401	<i>Ormocarpum</i>	377
<i>Stuhlmanni, Engl.</i>	401	<i>trichocarpum, Taub.</i>	377
<i>OENOTHERACEAE</i>	432	<i>Ormosia</i>	369
<i>OLACACEAE</i>	345	<i>angolensis, Bak.</i>	369
<i>Olex</i>	345	<i>Ornithoglossum</i>	321
<i>dissitiflora, Oliv.</i>	345	<i>glaucum, Salisb.</i>	321
<i>Oldenlandia</i>	487	<i>v. grandiflorum, Bak.</i>	321
<i>angolensis, K. Schum.</i>	487	<i>OROBANCHACEAE</i>	479
<i>Bojeri, Hiern</i>	488	<i>Orobanche</i>	479
<i>calfra, E. & Z.</i>	488	<i>minor, Sutton</i>	479
<i>capensis, Linn. f.</i>	488	<i>Orthosiphon</i>	467
<i>cuspidata, K. Schum.</i>	488	<i>bracteosus, Bak.</i>	467
<i>cynanchien, K. Schum.</i>	488	<i>Elliotii, Bak.</i>	467
<i>decumbens, Hiern</i>	488	<i>Kirkii, Bak.</i>	467
<i>Heynei, Oliv.</i>	488	<i>linearis, Benth.</i>	467
<i>hirtula, O. Kuntze</i>	488	<i>rhodesianus, S. Moore</i>	467
<i>lasiocarpa, Hiern</i>	488	<i>shirensis, Bak.</i>	467
		<i>teueriiifolius, N. E. Br.</i>	467

	PAGE		PAGE
Orthosiphon—		Pachystigma—	
Woodii, <i>Gürke</i>	468	stenophylla, (<i>Welw.</i>)	494
Orthotrichum sp.	278	tetraquetra, (<i>K. Krause</i>)	494
Orygia	350	Zeyheri, <i>Sond.</i>	494
decumbens, <i>Porsk.</i>	350	Pæpalanthus	318
Osbeckia	432	Wahlbergii, <i>Körn.</i>	318
<i>anthrotoma</i> , <i>Naud.</i>	431	Pahudia	366
<i>phycotricha</i> , <i>Hochst.</i>	432	quangensis, <i>Prain</i>	366
<i>Swynnertonii</i> , <i>Bak. f.</i>	432	PALMAE	316
Osmunda	289	Pandcratum	327
regalis, <i>L.</i>	289	<i>Chapmannii</i> , <i>Harv.</i>	327
OSMUNDACEAE	289	trianthum, <i>Herb.</i>	327
Osteospermum	519	Panicum	299
herbaceum, <i>Linn. f.</i>	519	bolbodes, <i>Schwnf.</i>	299
moniliferum, <i>L.</i>	520	bizanthum, <i>Hochst.</i>	299
muricatum, <i>E. Mey.</i>	520	bulawayense, <i>Hack.</i>	299
Osyris	344	capillare, <i>L.</i>	299
abyssinica, <i>Hochst.</i>	344	colonum, <i>L.</i>	299
Othonna	519	coloratum, <i>L.</i>	299
ambifaria, <i>S. Moore</i>	519	commutatum, <i>Nees</i>	299
Otiophora	496	dregeanum, <i>Nees</i>	300
inyangana, <i>N. E. Br.</i>	496	<i>Helopus</i> , <i>Trin.</i>	300
<i>serabra</i> , <i>Zucc.</i>	496	heterostachyum, <i>Hack.</i>	300
Otomeria	489	<i>Isachne</i> , <i>Roth. & Roem.</i>	300
dilatata, <i>Hiern</i>	489	<i>levifolium</i> , <i>Hack.</i>	300
Ottelia	293	<i>madagascariense</i> , <i>Spreng.</i>	300
<i>paucifolia</i> , <i>A. Rich.</i>	293	<i>maximum</i> , <i>Jacq.</i>	300
<i>vesiculata</i> , <i>Ridl.</i>	293	var. <i>trichoglume</i>	300
OXALIDACEAE	386	<i>monodactylum</i> , <i>Nees</i>	300
Oxalis	386	<i>mysuroides</i> , <i>R. Br.</i>	300
<i>corniculata</i> , <i>L.</i>		<i>nigropedatum</i> , <i>Munro</i>	300
var. <i>stricta</i> , <i>Oliv.</i>	386	<i>ramosum</i> , <i>L.</i>	300
<i>semiloba</i> , <i>Sond.</i>	386	<i>repens</i> , <i>L.</i>	300
Oxyanthus	491	<i>sanguinale</i> , <i>L.</i>	301
<i>Gerrardi</i> , <i>Sond.</i>	491	var. <i>ciliare</i> , <i>Hook. f.</i>	301
<i>Swynnertonii</i> , <i>S. Moore</i>	491	<i>serratum</i> , <i>Spreng.</i>	301
var. <i>breviflorus</i> , <i>S. Moore</i>	491	v. <i>holosericeum</i> , <i>Hack.</i>	301
Oxygonum	346	<i>stagninum</i> , <i>Retz.</i>	301
<i>alatum</i> , <i>Burch.</i>	346	<i>Swynnertonii</i> , <i>Rendle</i>	301
<i>dregeanum</i> , <i>Meisn.</i>	346	<i>trichopus</i> , <i>Hochst.</i>	301
<i>pubescens</i> , <i>C. H. Wright</i>	347	<i>uncinatum</i> , <i>Raddi</i>	301
<i>Zeyheri</i> , <i>Sond.</i>	347	<i>zizanioides</i> , <i>H. B. K.</i>	301
Oxytenanthera	310	PAPAVERACEAE	355
<i>abyssinica</i> , <i>Munro</i>	310	Pappea	406
		<i>capensis</i> , <i>E. & Z.</i>	406
<i>Pachycarpus</i>		<i>fulva</i> , <i>Conrad</i>	406
<i>concolor</i> , <i>E. Mey.</i>	448	Pappophorum	307
<i>Pachystela</i>		<i>molle</i> , <i>Kunth.</i>	307
<i>cinerea</i> , <i>Pierre</i>	437	<i>Parasia</i>	
Pachystigma	494	<i>grandis</i> , <i>Hiern</i>	443
<i>Cienkowski</i> , (<i>Schwnf.</i>)	494	<i>Parastranthus</i>	
<i>lateritica</i> , (<i>K. Krause</i>)	494	<i>thermalis</i> , <i>Sond.</i>	502
<i>obovata</i> , (<i>N. E. Br.</i>)	494	Parinariium	360

	PAGE		PAGE
Parinarium—		Pelargonium	386
capense, <i>Harr.</i>	360	aconitophyllum, <i>E. & Z.</i>	386
curatellifolium, <i>Planch.</i>	360	Peltophorum	368
Gillettii, <i>De Wild.</i>	360	africanum, <i>Soud.</i>	368
Mobola, <i>Oliv.</i>	360	Pennisetum	303
Parmelia sp.	277	<i>Benthonii</i> , <i>Stend.</i>	303
Paropsia	422	eenchroides, <i>Rich.</i>	303
reticulata, <i>Engl.</i>	422	ciliare, <i>Link.</i>	303
Paspalum	299	dioicum, <i>Rich.</i>	303
serobiculatum, <i>L.</i>	299	hordeiforme, <i>Spreng.</i>	303
semialatus, <i>Hook. f.</i>		longisetum, <i>K. Schum.</i>	303
var. <i>Ecklonii</i> , <i>Stapp.</i>	299	maerourum, <i>Trin.</i>	303
PASSIFLORACEAE	424	purpureum, <i>Schumach.</i>	303
Paullinia	405	setosum, <i>Rich.</i>	303
pinnata, <i>L.</i>	405	unisetum, <i>Benth.</i>	303
Pavetta	494	Pentagonia	
angolensis, <i>Hiern.</i>	494	<i>physalodes</i> , <i>Hiern.</i>	468
assimilis, <i>Soud.</i>	495	Pentanisia	492
Ceciliae, <i>N. E. Br.</i>	495	<i>crassifolia</i> , <i>K. Krause</i>	492
comostyla, <i>S. Moore</i>	495	rhodesiana, <i>S. Moore</i>	492
Eylesii, <i>S. Moore</i>	495	Schweinfurthii, <i>Hiern.</i>	492
gardeniaefolia, <i>Hochst.</i>	495	sericocarpa, <i>S. Moore</i>	492
luteola, <i>Stapp.</i>	495	variabilis, <i>Harr.</i>	492
neurophylla, <i>S. Moore</i>	495	var. <i>intermedia</i> , <i>Soud.</i>	492
obovata, <i>E. Mey.</i>	495	Pentarrhinum	450
schumanniana, <i>K. Hoffm.</i>	495	insipidum, <i>E. Mey.</i>	450
stipulopallium, <i>K. Schum.</i>	495	Pentas	489
Swynnertonii, <i>S. Moore</i>	495	carnea, <i>Benth.</i>	489
Pavonia	414	nobilis, <i>S. Moore</i>	489
clathrata, <i>Mast.</i>	414	purpurea, <i>Oliv.</i>	489
columella, <i>Car.</i>	414	Woodii, <i>Scott-Elliott</i>	489
galpiniana, <i>Schinz.</i>	414	Pentastichis	
macrophylla, <i>E. Mey.</i>	414	<i>inermis</i> ?	305
Meyheri, <i>Mast.</i>	414	Pentodon	
schimperiana, <i>Hochst.</i>	414	<i>decumbens</i> , <i>Hochst.</i>	347
PEDALIACEAE	477	Peperomia	337
Peddia	424	brachytrichoides, <i>Engl.</i>	337
Drogei, <i>Meisn.</i>	424	maseharena, <i>C. DC.</i>	337
Pedicularia		rellexa, <i>A. Dietr.</i>	338
<i>pentaphylla</i> , <i>Schrank</i>	356	Peponium, (<i>Peponia</i>)	499
Pegolettia	513	chirindensis, <i>Bak. f.</i>	499
senegalensis, <i>Cass.</i>	513	Perdicium	522
Pellaea	284	<i>abyssinicum</i> , <i>Hiern</i>	522
burkeana, <i>Bk.</i>	284	<i>piloselloides</i> , <i>Hiern</i>	522
calomelanos, <i>Lk.</i>	284	Periglossum	
consobrina, <i>Hk.</i>	284	<i>kassnerianum</i> , <i>Schltr.</i>	448
Doniana, <i>Hk.</i>	284	<i>mossambicensis</i> , <i>Schltr.</i>	448
dura, <i>Hk.</i>	284	Peristrophe	485
geraniifolia, <i>Fée</i>	284	<i>usta</i> , <i>C. B. Cl.</i>	485
hastata, <i>Lk.</i>	285	Perotis	298
var. <i>glauca</i> , <i>Sim.</i>	285	<i>indica</i> , <i>Schum.</i>	298
var. <i>macrophylla</i> , <i>Hk.</i>	285	<i>latifolia</i> , <i>Ait.</i>	298
pectiniformis, <i>Bk.</i>	285	Petalidium, sp.	481

	PAGE
Petunia	470
violacea, <i>Lindl.</i>	470
Peucedanum	434
araliaceum, <i>Bth. & Hk.</i>	434
benguellensis, (<i>Welw.</i>)	434
fraxinifolium, <i>Hiern</i>	434
Pharnaceum	350
<i>salsoloides</i> , <i>Burch.</i>	350
verrucosum, <i>E. & Z.</i>	350
Zeyheri, <i>Sond.</i>	350
Phaseolus	384
lunatus, <i>L.</i>	384
Phaylopsis	481
longifolia, <i>T. Thoms.</i>	481
parviflora, <i>Willd.</i>	481
Philgrophylum	
Schinzii, <i>O. Hoffm.</i>	513
Philippia	435
hexandra, <i>S. Moore</i>	435
milaniensis, <i>Brit. & Rndl.</i>	435
Simii, <i>S. Moore</i>	436
Phoenix	316
dactylifera, <i>L.</i>	316
reclinata, <i>Jacq.</i>	316
Phragmites	307
communis, <i>Trin.</i>	307
Phyllia	407
paniculata, <i>Willd.</i>	407
Phyllanthus	393
floribundus, <i>Müll. Arg.</i>	393
graminicola, <i>Hutch.</i>	393
hutchinsonianus, <i>S. Moore</i>	393
longifolius, <i>Sond.</i>	393
maderaspatensis, <i>L.</i>	393
myrtaceus, <i>Sond.</i>	393
Niruri, <i>L.</i>	393
nummulariaefolius, <i>Poir.</i>	393
pentandrus, <i>Schum. & Thonn.</i>	393
reticulatus, <i>Poir.</i>	393
Physalis	468
minima, <i>L.</i>	468
peruviana, <i>L.</i>	469
Physaloides	
<i>sonnifera</i> , <i>Moench</i>	468
Physcia	277
flavicans, <i>DC.</i>	277
Physotrichia	434
Swynnertonii, <i>Bak. f.</i>	434
Phytolacca	350
<i>abyssinica</i> , <i>Hoffm.</i>	350
dodecandra, <i>L'Hérit.</i>	350
PHYTOLACCACEAE	349
Pilostyles	345

	PAGE
Pilostyles—	
aethiopica, <i>Welw.</i>	345
PINACEAE	292
Piper	337
capense, <i>L.</i>	337
PIPERACEAE	337
Piptadenia	364
Buchanani, <i>Bak.</i>	364
PITTOSPORACEAE	359
Pittosporum	359
viridiflorum, <i>Sims</i>	359
Placus	
<i>gariepinius</i> , <i>O. Ktze.</i>	509
<i>lucerus</i> , <i>O. Ktze.</i>	509
Plagiochasma sp.	278
Platycerium	288
alicorne, <i>Descr.</i>	288
Plectranthus	463
candatus, <i>S. Moore</i>	463
chimanimanensis, <i>S. Moore</i>	463
esculentus, <i>N. E. Br.</i>	463
floribundus, <i>N. E. Br.</i>	463
var. <i>longipes</i> , <i>N. E. Br.</i>	464
grandidentatus, <i>Gürke</i>	464
hoslundiioides, <i>Bak.</i>	464
laxiflorus, <i>Benth.</i>	464
marrubiioides, <i>Hochst.</i>	464
matabelensis, <i>Bak.</i>	464
petrensis, <i>S. Moore</i>	464
selukwensis, <i>N. E. Br.</i>	464
Swynnertonii, <i>S. Moore</i>	464
Plectronia	493
abbreviata, <i>K. Schum.</i>	493
ciliata, <i>Sond.</i>	493
Gueinzii, <i>Sim</i>	493
lanceiflora, (<i>Hiern</i>)	493
livida, (<i>Hiern</i>)	493
Oatesii, (<i>Rolfe</i>)	493
Randii, (<i>S. Moore</i>)	493
Swynnertonii, (<i>S. Moore</i>)	493
ventosa, <i>L.</i>	494
Pleiocarpa	445
Swynnertonii, <i>S. Moore</i>	445
Pleiotaxis	520
Antunesii, <i>O. Hoffm.</i>	520
Pleuroridgea	
<i>zanguebarica</i> , <i>Van Tghm.</i>	420
Pluchea	
Dioscoridis, <i>DC.</i>	509
PLUMBAGINACEAE	437
Plumbago	437
zeylanica, <i>L.</i>	437
Podocarpus	292

	PAGE		PAGE
Podocarpus—		Polypodium—	
milanjiana, Rendle	292	incanum, Sw.	287
Thunbergii, Hook.		irioides, Lam.	288
var. <i>falcata</i>	292	lanceolatum, L.	288
PODOSTEMONACEAE	357	lepidotum, Willd.	288
Podranca	477	normale, Don	288
Brycei, Sprague	477	obtusilobum, Desc.	288
Poecilostachys	310	phymatodes, L.	288
flaccidula, Stapf	310	proliferum, Presl.	288
Pogonarthria	308	unitum, Hook.	288
<i>falcata</i> , Rendle	308	Polystachya	335
Marlothii, Hack.	308	Hislopil, Rolfe	335
Polia		Polystictus	277
arenaria, Lour.	351	sanguineus, Meyer	277
Pollichia	351	Popowia	354
campestris, Ait.	351	obovata, Engl. & Diels	354
Pollinia	294	Porphyrostemma	510
villosa, Spreng.	294	alata ?	510
Polecarpaea	351	Portulaca	351
corymbosa, Lam.	351	<i>capfra</i> , Thunb.	351
Polygala	390	PORTULACACEAE	351
abyssinica, Fresn.	390	Potamogeton	292
africana, Chod.	390	fluitans, Roth.	292
amatymbica, E. & Z.	390	nataus, L.	293
arenaria, Willd.	391	pusillum, L.	293
capillaris, E. Mey.	391	POTAMOGETONACEAE	292
erioptera, DC.	391	Pouzolzia	340
gazensis, Bak. f.	391	hypoleuca, Wedd.	340
hottentota, Presl.	390	Pretrea	479
latipetala, N. E. Br.	391	<i>eriocarpa</i> , Decne	479
livingstoniana, Chod.	391	zanguebarica, J. Gay	479
micrantha, Guill. & Perr.	390	PUMULACEAE	436
persicariæfolia, DC.	391	Prismatocarpus sp.	499
petitiana, Rich.	391	Priva	159
rarifolia, Link.	391	leptostachya, Juss.	459
retusa, Hochst.	391	Protea	341
rigens, A. DC.	391	abyssinica, Willd.	341
tripflora, L.	391	angolensis, Welw. var. <i>albitlora</i> ,	
virgata, Thunb.	391	Engl.	341
var. <i>decora</i> , Harv.	391	grandiflora, Thunb.	341
POLYGALACEAE	390	nadiensis, Oliv.	341
POLYGONACEAE	346	muschonica, Engl.	341
Polygonum	346	mellifera, Thunb.	341
acuminatum, H. B. & K.	346	Swynnertonii, S. Moore	342
aviculare, L.	346	uhchensis, Engl.	342
barbatum, L.	346	PROTEACEAE	340
herniarioides, Del.	346	Pseudarthria	379
plebeium, R. Br.	346	Hookeri, Wight & Arn.	379
serrulatum, Lag.	346	Pseudocalyx	481
tomentosum, Willd.	346	africanus, S. Moore.	481
POLYPODIACEAE	279	Pseudolachnostylis	392
Polypodium	287	Dekindtii, Pax	392
africanum, Mett.	287	maprouneæfolia, Pax	392

	PAGE		PAGE
Psiadia	507	<i>Pycreus</i> —	
<i>arabica</i> , Jaub. & Spach.....	507	<i>polystachyus</i> , Beauv.	312
Psilotrichum	348	Pygeum	360
<i>gracilentum</i> , C. B. Cl.....	348	<i>africanum</i> , Hook. f.....	360
Psilotum	291	Quisqualis	429
<i>triquetrum</i> , Sw.	291	<i>indica</i> , L.	429
Psoralea	375	Racopilum sp.	278
<i>foliosa</i> , Oliv.		RAFFLESIACEAE	345
<i>var. gazensis</i> , Bak. f.	375	Randia	490
Psorospermum	420	<i>vestita</i> , S. Moore	490
<i>febrifugum</i> , Spach.	420	RANUNCULACEAE	352
Psychotria	495	Rannunculus	353
<i>hirtella</i> , Oliv.	495	<i>pinnatus</i> , Poir.....	353
Pteleopsis	429	<i>plebeius</i> , R. Br.	353
<i>myrtifolia</i> , Engl. & Diels	429	<i>pubescens</i> , Thunb.	353
Pteridium		Rapanea.....	436
<i>aquilinum</i> , Kuhn.	287	<i>umbratilis</i> , S. Moore.....	436
Pteris	287	Raphiacme (<i>Raphionacme</i>)	446
<i>aquilina</i> , L.	287	<i>lanceolata</i> , Schinz	
<i>var. lanuginosa</i> , Hk.	287	<i>var. latifolia</i> , N. E. Br.	446
<i>arguta</i> , Sw.	287	<i>longifolia</i> , N. E. Br.	446
<i>atrovirens</i> , Willd.	287	<i>procumbens</i> , Schltr.	446
<i>brevisora</i> , Bak.....	287	Rauwolfia	445
<i>cretica</i> , L.	287	<i>caffra</i> , Soud.	445
<i>flabellata</i> , Thunb.	287	<i>inebrians</i> , K. Schum.	445
<i>longifolia</i> , L.	287	Rawsonia	422
<i>quadriaurita</i> , Retz.	287	<i>lucida</i> , Harr. & Soud.	422
Pterocarpus	379	RHAMNACEAE	406
<i>angolensis</i> , A. DC.	379	Rhamnus	407
<i>echinatus</i> , DC.	379	<i>prinoides</i> , L'Herit.	407
<i>erinaceus</i> , Poir.	379	Rhamphicarpa	476
<i>melliferus</i> , Welw.....	380	<i>fistulosa</i> , Benth.	476
<i>sericeus</i> , Benth.	380	<i>montana</i> , N. E. Br.	476
Pterocelastrus	404	<i>tubulosa</i> , Benth.	476
<i>rostratus</i> , Walp.	404	Rhigozum	477
Pterodiscus	477	<i>brevispinosum</i> , O. Ktze.....	477
<i>Elliottii</i> , Bak.	477	Rhinacanthus	486
<i>speciosus</i> , Hook.	477	<i>communis</i> , Nees	486
Pteroglossaspis sp.	337	Rhipsalis	424
Pterolobium	368	<i>Cassytha</i> , Gaertn.	424
<i>lacerans</i> , R. Br.	368	RHIZOPHORACEAE	427
Pulicaria	513	Rhoicissus	408
<i>capensis</i> , DC.	513	<i>capensis</i> , Planch.....	408
<i>longifolia</i> , Boiss.	513	<i>eunefolia</i> , Planch.	408
Pycnostachys	463	<i>erythroides</i> , Planch.....	408
<i>remotifolia</i> , Bak.	463	<i>var. ferruginea</i> , Planch.....	408
<i>reticulata</i> , Benth.....	463	<i>rhomboidea</i> , Planch.	408
<i>urticifolia</i> , Hook.	463	<i>sansibarensis</i> , Gilg.....	408
<i>Pycreus</i>		Rhus	402
<i>hetschuanus</i> , C. B. Cl.....	311	<i>bulawayensis</i> , Diels	402
<i>globosus</i> , Reichb.		<i>chirindensis</i> , Bak. f.....	402
<i>var. nilagirica</i> , C. B. Cl.	312		
<i>Mundtii</i> , Nees	312		

	PAGE		PAGE
<i>Rhus</i>		<i>Riocreuxia</i>	451
<i>erosa</i> , <i>Thunb.</i>	402	<i>profusa</i> , <i>N. E. Br.</i>	451
<i>laevigata</i> , <i>L.</i>	402	<i>Rogeria</i>	478
<i>lancea</i> , <i>Linn. f.</i>	402	<i>adenophylla</i> , <i>J. Gay</i>	478
<i>lanceolata</i> ?	402	<i>ROSACEAE</i>	359
<i>leptodictya</i> , <i>Diels</i>	402	<i>Rotula</i>	425
<i>lucida</i> , <i>L.</i>	402	<i>catractae</i> , <i>Koehne</i>	425
<i>mucronifolia</i> , <i>Sond.</i>	402	<i>filiformis</i> , <i>Hiera</i>	425
<i>paniculosa</i> , <i>Sond.</i>	402	<i>heteropetala</i> , <i>Koehne</i>	
<i>pulcherrima</i> , <i>Oliv.</i>	402	<i>var. Engleri</i> , <i>Koehne</i>	426
<i>rehmannia</i> , <i>Engl.</i>	402	<i>longistyla</i> , <i>Gibbs</i>	426
<i>salicifolia</i> , <i>Presl.</i>	402	<i>Rothia</i>	369
<i>Sonderi</i> , <i>Engl.</i>	402	<i>hirsuta</i> , <i>Bk.</i>	369
<i>var. pilosa</i> , <i>Engl.</i>	403	<i>Rottbællia</i>	294
<i>tenuinervis</i> , <i>Engl.</i>	403	<i>compressa</i> , <i>L.</i>	294
<i>tomentosa</i> , <i>L.</i>	403	<i>var. fasciculata</i> , <i>Hack.</i>	294
<i>trifoliolata</i> , <i>Bak. f.</i>	403	<i>exalata</i> , <i>Linn. fil.</i>	294
<i>villosa</i> , <i>Linn. f.</i>	403	<i>Rourea</i> sp.	360
<i>Welwitschii</i> , <i>Engl.</i>		<i>Royena</i>	438
<i>var. angustifolia</i> , <i>Bak. f.</i>	403	<i>hirsuta</i> , <i>L.</i>	438
<i>Rhynchosia</i>	381	<i>pallens</i> , <i>Thunb.</i>	438
<i>adenodes</i> , <i>E. & Z.</i>	381	<i>pubescens</i> , <i>Willd.</i>	438
<i>atenuilifera</i> , <i>Bak.</i>	381	<i>villosa</i> , <i>L.</i>	438
<i>caribaea</i> , <i>DC.</i>	381	<i>Rubia</i>	497
<i>clivorum</i> , <i>S. Moore</i>	381	<i>cordifolia</i> , <i>L.</i>	497
<i>congensis</i> , <i>Bak.</i>	381	<i>petiolaris</i> , <i>DC.</i>	497
<i>cyanosperma</i> , <i>Benth.</i>	382	<i>RUBIACEAE</i>	487
<i>flavissima</i> , <i>Hochst.</i>	382	<i>Rubus</i>	359
<i>Memnonia</i> , <i>DC.</i>		<i>Mundtii</i> , <i>Chm. & Schl.</i>	359
<i>var. prostrata</i> , <i>Harr.</i>	382	<i>rigidus</i> , <i>Smith</i>	359
<i>minima</i> , <i>DC.</i>	382	<i>var. Mundtii</i> , <i>Harv.</i>	359
<i>monophylla</i> , <i>Schltr.</i>	382	<i>Ruellia</i>	483
<i>Orthodanum</i> , <i>Benth.</i>	382	<i>ovata</i> , <i>Thunb.</i>	483
<i>puberula</i> , <i>Harr.</i>	382	<i>patula</i> , <i>Jacq.</i>	483
<i>resinosa</i> , <i>Hochst.</i>	382	<i>praetermissa</i> , <i>Lindau</i>	483
<i>Totta</i> , <i>DC.</i>	382	<i>Rumex</i>	346
<i>viscidula</i> , <i>Steud.</i>	382	<i>abyssinicus</i> , <i>Jacq.</i>	346
<i>Rhytachne</i> sp.	294	<i>nepalensis</i> , <i>Spreng.</i>	346
<i>Riccia</i>	278	<i>RUTACEAE</i>	387
<i>fluitans</i> , <i>L.</i>	278	<i>Saccharum</i>	294
<i>Richardia</i>		<i>munroanum</i> , <i>Hack.</i>	294
<i>melanoleuca</i> , <i>Hook. f.</i>	317	<i>Saccolabium</i> sp.	337
<i>scabra</i> , <i>L.</i>	497	<i>SALICACEAE</i>	338
<i>Richardsonia</i>	497	<i>Salix</i>	338
<i>brasiliensis</i> , <i>Hague</i>	497	<i>capensis</i> , <i>Thunb.</i>	338
<i>scabra</i> , <i>St. Hil.</i>	497	<i>ramiflora</i> , <i>R. v. Seem.</i>	338
<i>Ricinodendron</i>	398	<i>Salsaf</i> , <i>Forsk.</i>	338
<i>Rautanenii</i> , <i>Schinz</i>	398	<i>Salvia</i>	462
<i>Ricinus</i>	397	<i>runcinata</i> , <i>Linn. f.</i>	462
<i>communis</i> , <i>L.</i>	397	<i>stenophylla</i> , <i>Burch.</i>	462
<i>Rinorea</i>	421	<i>Samolus</i>	436
<i>convallarioides</i> , (<i>Bk. f.</i>)	421	<i>Valerandi</i> , <i>L.</i>	436
<i>gazensis</i> , (<i>Bk. f.</i>)	422		

	PAGE		PAGE
<i>Sanicula</i>	433	<i>Schmidelia</i> —	
<i>europæa</i> , L.	433	<i>rubrifolia</i> , Hochst.	405
<i>Sansevieria</i>	325	<i>Schmidtia</i>	
<i>angolensis</i> , Welw.	325	<i>bulbosa</i> , Stapf	307
<i>cylindrica</i> , Boj.	325	<i>pappophoroides</i> , Steud.	307
<i>senegalensis</i> ?	325	<i>Schotia</i>	365
SANTALACEAE	314	<i>brachypetala</i> , Sond.	365
SAPINDACEAE	405	<i>latifolia</i> , Jacq.	365
<i>Sapindus Pappæa</i> , Sond.	406	<i>Schrebera</i>	440
<i>Sapium</i>	398	<i>mazoensis</i> , S. Moore	440
<i>madagascariense</i> , Prain	398	<i>Scilla</i>	324
<i>Mannianum</i> , Benth.	398	<i>ciliata</i> , Bak.	324
SAPOTACEAE	437	<i>hispidula</i> , Bak.	324
<i>Sarcostemma</i>	450	<i>indica</i> , Bak.	324
<i>vininale</i> , R. Br.	450	<i>lanceæfolia</i> , Bak.	324
<i>Satureia</i>	462	<i>maesta</i> , Bak.	324
<i>biflora</i> , Briq.	462	<i>rigidifolia</i> , Kunth.	324
<i>masukensis</i> , (S. Moore)	462	<i>Scirpus</i>	314
<i>Satyrion</i>	334	<i>articulatus</i> , L.	314
<i>Buchananii</i> , Schl.	334	<i>corymbosus</i> , Roth	315
<i>macrophyllum</i> , Lindl.	334	<i>fluitans</i> , L.	315
<i>occultum</i> , Rolfe	334	<i>paludicola</i> , Kunth.	315
<i>trinerve</i> , Lindl.	334	<i>supinus</i> , L.	315
<i>speciosum</i> , Rolfe	334	<i>Scleria</i>	316
SAXIFRAGACEAE	358	<i>Buchanani</i> , Boeck.	316
<i>Scabiosa</i>	498	<i>foliosa</i> , A. Rich.	316
<i>columbaria</i> , L.	498	<i>Sclerocarpus</i>	514
<i>Schefflerodendron</i>	376	<i>africanus</i> , Jacq.	514
<i>gazense</i> , Bak. f.	376	<i>Sclerocarya</i>	401
<i>Schepperia juncea</i> , DC.	356	<i>caffra</i> , Soud.	401
<i>Schistostephium</i>	516	<i>Sclerochiton</i>	484
<i>artemisiifolium</i> , Bak.	516	<i>harveyanus</i> , Nees.	484
<i>heptalobum</i> , Bth. & Hook.	516	SCROPHULARIACEAE	470
<i>oxylobum</i> , S. Moore	516	<i>Scutellaria</i>	461
SCHIZAEACEAE	289	<i>Livingstonei</i> , Bak.	461
<i>Schizobasis</i>	322	<i>Sebæa</i>	442
<i>angolensis</i> , Bak.	322	<i>barbeyiana</i> , Schinz	442
<i>Schizochilus</i>	335	<i>leiostyla</i> , Gilg.	442
<i>Cecili</i> , Rolfe	335	<i>Secamone</i>	450
<i>Schizoglossum</i>	447	<i>Alpini</i> , Schult.	450
<i>aciculare</i> , N. E. Br.	447	<i>Securidaca</i>	392
<i>biflorum</i> , Schltr.	447	<i>longipedunculata</i> , Fres.	392
var. <i>gvelense</i> , N. E. Br.	447	var. <i>parvifolia</i> , Oliv.	392
<i>Carsoni</i> , N. E. Br.	447	<i>spinosa</i> , Sim	392
<i>chirindense</i> , S. Moore	447	<i>Securinea</i>	393
<i>Eylesii</i> , S. Moore	448	<i>verrucosa</i> , Benth.	393
<i>gvelense</i> , N. E. Br.	447	<i>Seddera</i>	452
<i>Pentheri</i> , Schltr.	448	<i>capensis</i> , Hal. f.	452
<i>strictissimum</i> , S. Moore	448	<i>Selaginella</i>	291
<i>Schkuhria</i>	516	<i>imbricata</i> , Spring.	291
<i>bonariensis</i> , L.	516	<i>depressa</i> , A. Braun.	291
<i>Schmidelia</i>		<i>kraussiana</i> , A. Braun.	291
<i>alnifolia</i> , Bak.	405	<i>rupestris</i> , Spreng.	291

	PAGE		PAGE
SELAGINELLACEAE	291	Setaria—	
Selago	473	aurea, <i>A. Br.</i>	302
<i>Ceciliae, (Rolfé)</i>	473	<i>flabellata, Stapf</i>	302
<i>chongweensis, (Rolfé)</i>	473	<i>Gerrardii, Stapf</i>	302
<i>Hoepfneri, Rolfé</i>	473	<i>imberbis, Roem. & Schult.</i>	302
<i>Swynnertonii, (S. Moore)</i>	473	<i>italica, Beauv.</i>	302
<i>Semonvillea fenestrata, Fenzl.</i>	349	<i>mauritanica, Spreng.</i>	303
Seneccio	517	<i>nigrirostris, Dur. & Sch.</i>	303
<i>acervatus, S. Moore</i>	517	<i>verticillata, Beauv.</i>	303
<i>barbertonicus, Klatt.</i>		<i>Shuteria</i>	453
var. <i>microcephala, S. Moore</i>	517	<i>bicolor, Choisy</i>	453
<i>bupleuroides, DC.</i>	517	Sida	413
<i>coronatus, Harv.</i>	518	<i>acuta, Burm.</i>	413
<i>deltoideus, Less.</i>	517	<i>capensis, E. & Z.</i>	413
<i>dissefolius, Oliv.</i>	517	<i>carpinifolia, L.</i>	413
<i>erubescens, Ait.</i>	517	<i>cordifolia, L.</i>	413
<i>gazensis, S. Moore</i>	517	<i>longipes, E. Mey.</i>	413
<i>homoplaticus, S. Moore</i>	517	var. <i>canescens, Szyzyl.</i>	413
var. <i>tomentellus, S. Moore</i>	517	<i>rhombifolia, L.</i>	413
<i>lasiorhizus, DC.</i>	517	Sideroxylon	437
<i>latifolius, DC.</i>	517	<i>cinereum, (Pierre)</i>	437
<i>longiflorus, O. & H.</i>	517	Siegesbeckia	514
<i>othomæflorus, DC.</i>	517	<i>abyssinica, O. & H.</i>	514
<i>oxyria folius, DC.</i>	517	Silene	351
<i>perichfolius, DC.</i>	517	<i>Burchellii, Oth.</i>	351
<i>propior, S. Moore</i>	517	SIMARUBACEAE	388
<i>protracta, (S. Moore)</i>	517	<i>Siphonanthus</i>	
<i>purpureus, L.</i>	518	<i>glabra, Hiern</i>	460
<i>Randii, S. Moore</i>	518	<i>myricoides, Hiern</i>	460
<i>rosmarinifolius, Linn. f.</i>	518	<i>Siphonoglossa</i>	486
<i>sagittata, (DC.)</i>	518	<i>tubulosa, Lindau</i>	486
<i>sarmentosus, O. Hoffm.</i>	518	Sium sp.	434
<i>Serra, Sond.</i>	518	Smilax	326
<i>tamoides, DC.</i>	518	<i>kraussiana, Meisn.</i>	326
<i>tenellulus, S. Moore</i>	518	Smithia	378
<i>Sericocoma</i>		<i>nodulosa, Bak.</i>	378
<i>angustifolia, Hook. f.</i>	348	<i>strigosa, Benth.</i>	378
<i>Sesamopteris</i>		<i>thymodora, Bak. f.</i>	378
<i>pentaphylla, DC.</i>	478	SOLANACEAE	468
Sesamum	478	Solanum	469
<i>alatum, Thonn.</i>	478	<i>acanthocalyx, Klotzsch.</i>	469
<i>angustifolium, Engl.</i>	478	<i>aculeastrum, Dun.</i>	469
<i>Baumii, Stapf</i>	478	<i>bifurcum, Hochst.</i>	469
<i>eulycinum, Welw.</i>	478	<i>delagoense, Dun.</i>	469
<i>capense, Burm. f.</i>	478	<i>incanum, L.</i>	469
<i>indicum, L.</i>	478	<i>indicum, L.</i>	469
Sesbania	376	<i>nigrum, L.</i>	469
<i>egyptiaca, Pers.</i>	376	<i>nodiflorum, Jacq.</i>	469
<i>cinerascens, Welw.</i>	376	<i>panduræforme, E. Mey.</i>	469
<i>pubescens, DC.</i>	376	<i>sodomum</i>	
<i>punctata, DC.</i>	376	var. <i>Hermannii, Dun.</i>	470
<i>tetraptera, Hochst.</i>	376	Sonchus	522
Setaria	402	<i>Bipontini, Aschers.</i>	

	PAGE		PAGE
<i>Sonchus</i> —		<i>Stemodiakra</i>	
var. <i>pinnatifidus</i> , O. & H.	522	<i>ceratophylloides</i> , Hiern	472
<i>elliotanus</i> , Hiern	523	<i>Stemodiopsis</i>	472
<i>macer</i> , S. Moore	523	<i>Eylesii</i> , S. Moore	472
<i>oleraceus</i> , L.	523	<i>humilis</i> , Skan.	472
<i>violaceus</i> , O. Hoffm.	523	<i>Sterculia</i>	419
<i>Sophora</i>	369	<i>diversicolor</i> ?	419
<i>zambesiaca</i> , Bak.	369	<i>livingstoneana</i> , Engl.	419
<i>Sopubia</i>	474	<i>STERCULIACEAE</i>	417
<i>cana</i> , Harr.	474	<i>Stereochlæna</i>	301
<i>leprosa</i> , S. Moore	474	<i>Jeffreysii</i> , Hack.	301
<i>ramosa</i> , Hochst.	474	<i>Streptocarpus</i> sp.	479
<i>simplex</i> , Hochst.	474	<i>Streptopetalum</i>	424
<i>dregeana</i> , Benth.	474	<i>serratum</i> , Hochst.	424
<i>Sparmannia</i>	410	<i>Striga</i>	476
<i>palmata</i> , E. Mey.	410	<i>coccinea</i> , Benth.	476
<i>Sorghum</i>		<i>elegans</i> , Benth.	476
<i>vulgare</i> , Pers.	297	<i>Forbesii</i> , Benth.	476
<i>Spermacoe</i>		<i>lutea</i> , Lour.	476
<i>dibrachiata</i> , Oliv.	497	<i>orobanchoides</i> , Benth.	476
<i>natalensis</i> , Hochst.	497	<i>Thunbergii</i> , Benth.	476
<i>Ruelliae</i> , DC.	497	<i>Strobilanthesis</i>	482
<i>stricta</i> , Linn. f.	497	<i>hircina</i> , S. Moore	482
<i>Sphacophyllum</i>	513	<i>Strophantus</i> sp.	446
<i>flexuosum</i> , Hutch.	513	<i>Strychnos</i>	441
<i>sparsum</i> , S. Moore	513	<i>Burtoni</i> , Bak.	441
<i>Sphaeranthus</i>	510	<i>matopensis</i> , S. Moore	441
<i>peduncularis</i> , DC.	510	<i>mellodora</i> , S. Moore	441
<i>Randii</i> , S. Moore	510	<i>micans</i> , S. Moore	441
<i>Steetzii</i> , O. & H.	510	<i>mitis</i> , S. Moore	441
<i>Spherothylax</i> sp.	357	<i>pungens</i> , Solered	441
<i>Sphedannocarpus</i>	390	<i>spinosa</i> , Lam.	441
<i>Galphiniifolius</i> , Szyszyl.	390	<i>tonga</i> , Gilg.	442
<i>pruriens</i> , Planch.	390	<i>Stylosanthes</i>	378
<i>pulcherimus</i> , Gilg.	390	<i>erecta</i> , Beauv.	378
<i>Sphenostylis</i>	385	<i>mucronata</i> , Willd.	378
<i>marginata</i> , E. Mey.	385	<i>Sutera</i>	471
<i>Sporobolus</i>	304	<i>atropurpurea</i> , Hiern	471
<i>centrifugus</i> , Nees	304	<i>Bolusii</i> , Hiern	471
<i>festivus</i> , Hochst.	304	<i>brunnea</i> , Hiern	471
var. <i>fibrosus</i> ?	304	<i>burkeana</i> , Hiern	471
var. <i>stuppeus</i> , Stapf	305	<i>Carvalhoi</i> , Skan.	471
<i>fibriatus</i> , Nees	305	<i>juissifolia</i> , S. Moore	471
<i>indicus</i> , R. Br.	305	<i>floribunda</i> , O. Ktze.	471
var. <i>laxus</i> , Stapf	305	<i>micrantha</i> , Hiern.	471
<i>panicoides</i> , Rich.	305	<i>Swartzia</i>	368
<i>pyramidalis</i> , Nees	305	<i>madagascariensis</i> , Desv	368
<i>Stachys</i>	462	<i>Sweetia</i>	443
<i>æthiopica</i> , L.	462	<i>stellarioides</i> , Fich.	443
<i>Stapelia</i>	451	<i>Welwitschii</i> , Engl.	443
<i>gigantea</i> , N. E. Br.	451	<i>Swertia</i> sp.	522
<i>Marlothii</i> , N. E. Br.	451	<i>Swynnertonia</i>	451
		<i>cardinea</i> , S. Moore	451

	PAGE		PAGE
<i>Synadenium</i>	400	<i>Tephrosia</i>	
<i>gazense</i> , N. E. Br.	400	<i>radicans</i> , Welw.	376
<i>Synaptolepis</i>	425	var. <i>rhodesiaca</i> , Bak. f.	376
<i>longiflora</i> , Gilg.	425	<i>Teramnus</i>	380
<i>Synnema</i>	481	<i>labialis</i> , Spreng.	380
<i>Acinos</i> , S. Moore	481	<i>Terminalia</i>	429
<i>Syzgium</i>	431	<i>Brownii</i> , Fresen.	429
<i>beneguense</i> , Engl.	431	<i>prunioides</i> , Laws.	429
<i>cordatum</i> , Hochst.	431	<i>Randii</i> , Bak. f.	430
<i>guineense</i> , DC.	431	<i>sericea</i> , Burch.	430
<i>huillense</i> , Engl.	431	var. <i>angolensis</i> , Hiern.	430
<i>intermedium</i> , Engl.	431	<i>siilozenis</i> , Gibbs	430
<i>ovariense</i> , Benth.	431	<i>spinosa</i> , Engl.	430
<i>Tacazzea</i>	446	<i>Stuhlmannii</i> , Engl.	430
<i>Kirkii</i> , N. E. Br.	446	<i>torulosa</i> , F. Hoffm.	430
<i>Tacca</i>	329	<i>trichopoda</i> , Diels	430
<i>pinnatifida</i> , Forst.	329	<i>velutina</i> , Rolfe	430
TACACEAE	329	<i>Testudinaria</i>	
<i>Tagetes</i>	516	<i>sylatica</i> , Benth.	330
<i>glandulifera</i> , Schrank.	516	<i>Tetrapleura</i> sp.	363
<i>minuta</i> , L.	516	<i>Tetratelia</i>	
<i>Talinum</i>	351	<i>maculata</i> , Sond.	355
<i>cafrum</i> , E. & Z.	351	<i>Thalictrum</i>	353
<i>Tannodia</i>	395	<i>rhynhocarpum</i> , Dill. & Rich.	353
<i>Swynnertonii</i> , Prain	395	<i>Thaunnosma</i>	387
<i>Tarchonanthus</i>	508	<i>africanum</i> , Engl.	387
<i>camphoratus</i> , L.	508	var. <i>rhodesicum</i> , Bak. f.	387
<i>Tardavel</i>	497	<i>Themeda</i>	298
<i>arcensis</i> , Hiern	497	<i>Forskalii</i> , Hochst.	
<i>dibrachiata</i> , Hiern	497	var. <i>glauca</i> , Hack.	298
<i>scabra</i> , Hiern	497	<i>triaudra</i> , Forsk.	298
<i>stricta</i> , Hiern	497	var. <i>glauca</i> , Hack.	298
<i>Tararesia</i>		var. <i>imberbis</i> , Hack.	298
<i>angolensis</i> , Welw.	451	<i>Thesium</i>	344
TAXACEAE	292	<i>brevibarbatum</i> , Pilger.	344
<i>Teclea</i>	388	<i>goetzeanum</i> , Engl.	344
<i>natulensis</i> , Engl.	388	<i>gracile</i> , A. W. Hill	344
<i>Swynnertonii</i> , Bak. f.	388	<i>multiramulosum</i> , Pilger.	344
<i>Tecoma</i>		<i>rhodesiacum</i> , Pilger.	344
<i>Brycei</i> , N. E. Br.	477	<i>Rogersii</i> , A. W. Hill	344
<i>Teedia</i>	471	<i>scabridulum</i> , A. W. Hill.	344
<i>lucida</i> , Radl.	471	<i>Thespesia</i>	417
<i>Tephrosia</i>	375	<i>garekema</i> , F. Hoffm.	417
<i>Apollinea</i> , DC.	375	<i>Thevetia</i>	446
<i>Forbesii</i> , Bak.	375	<i>nerifolia</i> ?	446
<i>grandiflora</i> , Pers.	375	<i>Thunbergia</i>	480
<i>lupinifolia</i> , DC.	375	<i>affinis</i> , S. Moore	480
var. <i>digitata</i> , DC.	375	<i>alata</i> , Baj.	480
<i>lurida</i> , Sond.	375	<i>Bachmanni</i> , Lindau	480
<i>nyasae</i> , Bak. f.	375	<i>glaberrimum</i> , Lindau.	480
<i>polystachya</i> , E. Mey.	375	<i>lanceifolia</i> , T. And.	480
<i>purpurea</i> , Pers.	376	<i>Monroi</i> , S. Moore.	480
		<i>oblongifolia</i> , Oliv.	481
		var. <i>Berringtonii</i> , Burkl.	481

	PAGE		PAGE
Thunbergia—		Trichodesma—	
Randii, <i>S. Moore</i>	481	zeylanicum, <i>R. Br.</i>	457
Swynnertonii, <i>S. Moore</i>	481	Tricholæna	301
Thylachium	356	glabra, <i>Stapf</i>	301
africanum, <i>Lour.</i>	356	rhodesiana, <i>Rendle</i>	302
verrucosum, <i>Klotzsch</i>	356	var. <i>glabrescens</i> , <i>Rendle</i>	302
THYMELAEACEAE	424	rosea, <i>Nees</i>	302
TILIACEAE	409	Trichoon	
Tiliacora	353	<i>Phragmites</i> , <i>Rendle</i>	307
funifera, <i>Oliv.</i>	354	Trichopteryx	305
Tillæa		gigantea, <i>Stapf</i>	305
<i>pharnaceoides</i> , <i>Hochst.</i>	358	simplex, <i>Hack.</i>	305
<i>subulata</i> , <i>Bth. & Hk. f.</i>	358	var. <i>minor</i> , <i>Stapf</i>	305
Tinnea	461	Tricomaria	390
rhodesiana, <i>S. Moore</i>	461	macrocarpa?	390
zambesiaca, <i>Bak.</i>	461	Tripogon	306
Toddalia	387	abyssinicus, <i>Nees</i>	306
aculeata, <i>Pers.</i>	387	Tripteris	520
lanceolata, <i>Lam.</i>	387	amplexicaulis, <i>Less.</i>	520
natalensis, <i>Sond.</i>	388	monocephala, <i>O. & H.</i>	520
Todea	289	Tristachya	305
africana, <i>Willd.</i>	289	biseriata, <i>Stapf</i>	305
barbara, <i>S. Moore</i>	289	leucothrix, <i>Trin.</i>	305
Tolpis sp.	522	Tristicha	357
Tournefortia sp.	457	alternifolia, <i>Tul.</i>	357
Trachypogon	294	trifaria, <i>Tul.</i>	357
polymorphus, <i>Hack.</i>	294	Tritonia	331
Tragia	397	aurea, <i>Pappe</i>	331
ambigua, <i>S. Moore</i>	397	Triumfetta	411
angustifolia, <i>Pax</i>	397	angolensis, <i>Sprague & Hutch.</i>	411
dioica, <i>Sond.</i>	397	annua, <i>L.</i>	411
Gardneri, <i>Prain</i>	397	annuletum, <i>Sprague</i>	411
kirkiana, <i>Müll. Arg.</i>	397	dekindtiana, <i>Engl.</i>	411
natalensis, <i>Sond.</i>	397	diversifolia, <i>E. Mey.</i>	411
Okanyua, <i>Pax</i>	397	effusa, <i>E. Mey.</i>	411
rhodesiae, <i>Pax</i>	397	effusa, <i>E. Mey.</i>	412
Tragus	298	<i>laxiflora</i> , <i>Engl.</i>	412
racemosus, <i>All.</i>	298	Mastersii, <i>Bak. f.</i>	411
Trema	339	pilosa, <i>Roth.</i>	412
guineensis, <i>Priemer</i>	339	pilosa, <i>Roth.</i>	411
Tribulus	387	rhomboidea, <i>Jacq.</i>	412
terrestris, <i>L.</i>	387	Sonderi, <i>Fic. & Hiern</i>	412
Tricalysia	491	trichocarpa, <i>Sond.</i>	412
<i>jasmijniflora</i> , <i>Hook.</i>	491	Welwitschii, <i>Mast.</i>	412
ligustrina, <i>S. Moore</i>	491	var. <i>laxiflora</i> , <i>Sprg. & Hutch.</i>	412
myrtifolia, <i>S. Moore</i>	491	var. <i>Rehmannii</i> , <i>Sprg. & Hutch.</i>	412
pachystigma, <i>K. Schum.</i>	491	Welwitschii, <i>Mast.</i>	411
Trichilia	389	Trochomeria	499
chirindensis, <i>Swyn. & Bk. f.</i>	389	macrocarpa, <i>Hook. f.</i>	499
emetica, <i>Vahl</i>	389	Tryplostemma	424
Trichodesma	457	apetalum, <i>Bak. f.</i>	
angustifolium, <i>Harv.</i>	457	var. <i>serratum</i> , <i>Bak. f.</i>	424
physaloides, <i>A. DC.</i>	457	Mastersii?	424

	PAGE		PAGE
Tryplostemma—		Vangueria—	
parvifolium, <i>Bak. f.</i>	424	<i>edulis</i> , Vahl.	
pedatum, <i>Bak. f.</i>	424	var. <i>Bainesii</i> , Hiern	492
Tulbaghia	323	esculenta, <i>S. Moore</i>	492
acutiloba, <i>Harr.</i>	323	var. <i>glabra</i> , <i>S. Moore</i>	492
alliacea, <i>L. f.</i>	323	infausta, <i>Burch.</i>	492
campanulata, <i>N. E. Br.</i>	323	var. <i>virescens</i> , <i>Sond.</i>	492
TURNERACEAE	423	munjiro, <i>S. Moore</i>	493
Turraea	388	Randii, <i>S. Moore</i>	493
Eylesii, <i>Bak. f.</i>	388	rhodesiana, <i>S. Moore</i>	493
nilotica, <i>Kot. & Peyr.</i>	389	velutina, <i>Hiern</i>	493
obtusifolia, <i>Hochst.</i>	389	Zeyheri, <i>Sond.</i>	494
var. <i>matopensis</i> , <i>Bak. f.</i>	389	Vatica	
Randii, <i>Bak. f.</i>	389	<i>africana</i> , Welw.	
Typha	292	var. <i>glabra</i> , Oliv.	421
australis, <i>Sch. & Thonn.</i>	292	var. <i>hypoleuca</i> , Oliv.	421
TYPHACEAE	292	var. <i>laxa</i> , Oliv.	421
Uapaca	394	Vellozia	328
Rirkiana, <i>Müll. Arg.</i>	394	equisetoides, <i>Bak.</i>	328
sansibarica, <i>Pax</i>	394	humilis, <i>Bak.</i>	329
ULMACEAE	338	retinervis, <i>Bak.</i>	329
Ulotia	278	VELLOZIACEAE	328
crispa, <i>Br. & Schimp.</i>	278	Vepris	387
UMBELLIFERAE	433	<i>lanceolata</i> , <i>A. Juss.</i>	387
Urena	414	paniculata, <i>Lam.</i>	387
lobata, <i>L.</i>	414	Verbena	458
Urena	340	<i>officinalis</i> , <i>L.</i>	458
obovata, <i>Benth.</i>	340	VERBENACEAE	458
Urginea	323	Vernonia	503
altissima, <i>Bak.</i>	323	<i>acuminatissima</i> , <i>S. Moore</i>	503
sanguinea, <i>Schinz</i>	324	<i>Bainesii</i> , <i>O. & H.</i>	503
Urophyllum	490	<i>cinerea</i> , <i>Less.</i>	503
symplocoides, <i>S. Moore</i>	490	<i>cistifolia</i> , <i>O. Hoffm.</i>	
URTICACEAE	340	var. <i>rosea</i> , <i>O. Hoffm.</i>	503
Usnea	278	<i>fastigiata</i> , <i>O. & H.</i>	503
barbata, <i>Ach.</i>	278	<i>gerberaeformis</i> , <i>O. & H.</i>	503
longissima, <i>Ach.</i>	278	<i>glabra</i> , <i>Vatke</i>	503
Utricularia	479	<i>gracillipes</i> , <i>S. Moore</i>	503
exoleta, <i>R. Br.</i>	479	var. <i>minor</i> , <i>S. Moore</i>	503
firmula, <i>Walc.</i>	479	<i>hirsuta</i> , <i>Sch. Bip.</i>	503
Gibbsiae, <i>Stapf</i>	479	<i>Holstii</i> , <i>O. Hoffm.</i>	503
Kirkii, <i>Stapf</i>	480	<i>humilis</i> , <i>C. H. Wright</i>	503
transrugosa, <i>Stapf</i>	480	<i>integra</i> , <i>S. Moore</i>	504
Welwitschii, <i>Oliv.</i>	480	<i>Kraussii</i> , <i>Sch. Bip.</i>	504
Uvaria	354	<i>lanceibracteata</i> , <i>S. Moore</i>	504
gazensis, <i>Swyn. & Bak. f.</i>	354	<i>livingstoniana</i> , <i>Hiern</i>	504
Vahlia	358	<i>mashonia</i> , <i>N. E. Br.</i>	504
capensis, <i>Thunb.</i>	358	<i>Melleri</i> , <i>O. & H.</i>	504
var. <i>linearis</i> , <i>E. Mey.</i>	359	<i>monocephala</i> , <i>Harr.</i>	504
oldenlandioides, <i>Roxb.</i>	359	<i>natalensis</i> , <i>Sch. Bip.</i>	504
Vangueria	492	<i>pauiflora</i> , <i>Less.</i>	504
apiculata, <i>K. Schum.</i>	492	<i>Petersii</i> , <i>O. & H.</i>	504
		<i>podocoma</i> , <i>Sch. Bip.</i>	505

	PAGE		PAGE
Vernonia—		Vitis spp.—	
porphyrolepis, <i>S. Moore</i>	505	<i>Thunbergii</i> , Bak.	408
poskeana, <i>Vrk. & Hildbr.</i>		Vittaria	284
var. chlorolepis, <i>Steetz</i>	505	isœtifolia, <i>Bory.</i>	284
purpurea, <i>Sch. Bip.</i>	505	<i>lineata</i> , Sw.	284
Randii, <i>S. Moore</i>	505	Wahlenbergia	499
senegalensis, <i>Less.</i>	505	arenaria, <i>A. DC.</i>	499
stectiziana, <i>O. & H.</i>	505	banksiana, <i>A. DC.</i>	499
enoreana, <i>Oliv.</i>	505	Caledonica, <i>Sond.</i>	500
vitellina ?	505	mashonica, <i>N. E. Br.</i>	500
Wollastonii, <i>S. Moore</i>	505	Oatesii, <i>Rolfe</i>	500
Woodii, <i>O. Hoffm.</i>	505	rhodesiana, <i>S. Moore</i>	500
Vigna	384	rivularis, <i>Diels ?</i>	500
Buchneri, <i>Harms</i>	384	saginoïdes, <i>S. Moore</i>	500
Burchelli, <i>Harr.</i>	384	undulata, <i>A. DC.</i>	500
cœrulea, <i>Bak.</i>	384	virgata, <i>Engl.</i>	500
capensis, <i>Walp.</i>	384	Zeyheri, <i>E. & Z.</i>	500
glabra, <i>Savi</i>	384	Walyfrida	
hirta, <i>Hook.</i>	384	<i>Cecilæ</i> , <i>Rolfe</i>	473
luteola, <i>Benth.</i>	384	<i>chongweensis</i> , <i>Rolfe</i>	473
var. villosa, <i>Bak.</i>	384	<i>Swynertonii</i> , <i>S. Moore</i>	473
marginata, <i>Benth.</i>	384	Walleria	328
nilotica, <i>Hook. fil.</i>	384	nutans, <i>Kirk</i>	328
nuda, <i>N. E. Br.</i>	384	Waltheria	419
triloba, <i>Walp.</i>	384	americana, <i>L.</i>	419
vexillata, <i>Benth.</i>	384	<i>indica</i> , <i>L.</i>	419
Vinca		Wedelia	514
<i>rosea</i> , <i>L.</i>	445	abyssinica, <i>Vatke.</i>	514
Viola	422	africana, <i>P. Beauv.</i>	514
abyssinica, <i>Steud.</i>	422	diversipapposa, <i>S. Moore</i>	514
VIOLACEAE	421	menotriche, <i>O. & H.</i>	514
Viscum	343	Weihea	427
combreticola, <i>Engl.</i>	343	<i>Gerrardi</i> , <i>Schinz</i>	427
dichotomum, <i>Don</i>	343	Widdringtonia	
matabelense, <i>Engl.</i>	343	<i>Muhoni</i> , <i>Masters</i>	292
Menyharthii, <i>Engl. & Schz.</i>	343	<i>Whytei</i> , <i>Rendle</i>	292
tuberculatum, <i>A. Rich.</i>	344	Willughbeya	
verrucosum, <i>Harr.</i>	344	<i>scandens</i> , <i>O. Ktze.</i>	506
Vismia	420	Wissadula	413
corymbosa, <i>A. Cher.</i>	420	hernandioides, <i>Garcke</i>	413
VITACEAE	408	rostrata, <i>Planch.</i>	413
Vitex	459	Withania	468
Cienkwoskii, <i>Kot. & Peyr.</i>	459	sommifera, <i>Dunal</i>	468
Eylesii, <i>S. Moore</i>	459	Wormskioldia	423
flavescens, <i>Rolfe</i>		<i>heterophylla</i> , <i>Schum.</i>	423
var. parviflora, <i>Gibbs</i>	459	lobata, <i>Trb.</i>	423
gürkeana, <i>Engl.</i>	459	longepedunculata, <i>Mast.</i>	423
isotjensis, <i>Gibbs</i>	459	petersiana ?	423
Kirkii, <i>Bak.</i>	459	tanacetifolia, <i>Klotzsch</i>	423
Vitis spp.	408	Xanthium	514
<i>erythrodes</i> , <i>Welw.</i>	408	spinosum, <i>L.</i>	514
<i>jatrophioides</i> , <i>Welw.</i>	409		
<i>obtusata</i> , <i>Welw.</i>	408		

	PAGE		PAGE
Xanthoxylum	387	Zaluzianskya—	
capense, <i>Harr.</i>	387	capensis, <i>Walp.</i>	472
Ximenia	345	Zantedeschia	317
americana, <i>L.</i>	345	melanoleuca, <i>Engl.</i>	
caffra, <i>Sond.</i>	345	var. tropicalis, <i>N. E. Br.</i>	317
Xymalos	354	Zea	293
monospora, <i>Baill.</i>	354	Mays, <i>L.</i>	293
XYRIDACEAE	317	Zehneria	
Xyris	317	macrocarpa, <i>Sond.</i>	499
capensis, <i>Thunb.</i>	317	ZINGIBERACEAE	333
dispar, <i>N. E. Br.</i>	317	Zizyphus	406
Hildebrandtii, <i>Nilss.</i>	317	espinosus ?	406
multicaulis, <i>N. E. Br.</i>	317	jujuba, <i>Lam.</i>	406
obscura, <i>N. E. Br.</i>	317	var. nanus, <i>Engl.</i>	407
<i>Umbilonis</i> , <i>Nilss.</i>	317	mucronata, <i>Willd.</i>	407
Xysmalobium	447	Zornia	378
bellum, <i>N. E. Br.</i>	447	diphylla, <i>Pers.</i>	378
Cecilae, <i>N. E. Br.</i>	447	tetraphylla, <i>Michx.</i>	378
dispar, <i>N. E. Br.</i>	447	Zygia	
gramineum, <i>S. Moore</i>	447	fastigiata, <i>E. Mey.</i>	361
reticulatum, <i>N. E. Br.</i>	447	ZYGOPHYLLACEAE	387
Zaluzianskya	472	Zygophyllum	387
		simplex, <i>L.</i>	387

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