

Enumeration of the plants collected by Mr. J. B. Gillett in Somaliland and Eastern Abyssinia

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PF 092

Up to the present specimens from Somaliland have usually been rather meagre and have been collected by travellers without much botanical training and lacking in proper equipment. This is not the case with Mr. Gillett's collection, however. He was able to acquire abundant material of nearly every species he met with in flower or fruit, and it has been possible to distribute sets of duplicates to various herbaria on the continent of Europe*, and in addition one each to the Agricultural Department at Berbera, and the Forestry Department in Kenya.

This adds greatly to the value of the collection, and should at least assist in preventing the indiscriminate publication of superfluous names owing to lack of material. Great care has been taken to ascertain whether the species which were not determinable at Kew had been described in other herbaria, and we are particularly indebted to Professor Dr. Chiovenda, at Bologna, for much assistance and for describing several new species, and to botanists at other institutions. Our thanks are also due to our colleagues, Mr. C. E. Hubbard and Mr. E. Milne-Redhead, who have worked out the *Gramineae* and *Acanthaceae* respectively, to Mr. V. S. Summerhayes for the Orchids, to Miss C. I. Dickinson, who has identified the Lichens, Mr. H. N. Dixon the Mosses, and Mr. F. Ballard the Ferns.

The working up of this collection has demonstrated especially the close affinity of the Somali flora with that of Arabia, and in consequence many of Forsskal's names in his *Flora Arabica* have to take precedence over those used in the *Flora of Tropical Africa*. The species which are known only from Somaliland and Arabia are indicated in the enumeration. A large number of these North East Tropical plants seem to be distributed only as far south as Tanganyika Territory, in a few cases ranging eastwards through Arabia to India, especially to Scind.

The families and genera of flowering plants are arranged mainly after the sequence followed in Hutchinson and Dalziel's *Flora of West Tropical Africa*. The species are alphabetical, and scattered through the paper are descriptions of nearly fifty novelties.

Abbreviations, F.T.A.—*Flora of Tropical Africa*.

F.W.T.A.—*Flora of West Tropical Africa*.

Vernacular names and place names.—These are mainly written according to the Royal Geographical Society's system ii.

* Sets have been distributed to Bologna, Paris, Berlin and Upsala.

MUSCI (by H. N. Dixon)

Erpodium Hanningtonii Mitt.

SOMALILAND: S. E. Auboba, long. 43° 4' E., lat. 9° 59' N., 1,620 m., Nov., No. 4605.

Orthotrichum diaphanum Schrad.

As above, No. 4605.

Funaria hygrometrica Hedw.

ABYSSINIA: Gara mulata Mt., long. 41° 48' E., lat. 9° 12' N., 2,520 m., capsules red, Mar., No. 5286. 3,180 m., 5 Mar., No. 5369.

Leucodon dracaenae Vent.

ABYSSINIA: Galla Pass, long. 42° 19' E., lat. 9° 28' N., 2,340 m., green, Feb., No. 5134.

Lindbergia abbreviata (Schimp.) Broth.

ABYSSINIA: As above, No. 5133.

Mnium rostratum Schrad.

ABYSSINIA: Gara mulata Mt., 3,060 m., Mar., No. 5365.

Neckera remota Bry. eur.

ABYSSINIA: Sarerta Mt., long. 42° 19' E., lat. 9° 30' N., 2,400 m., green, fructifications red, Feb., No. 5183.

Oxyrrhynchium kenyae Dix. ined.

ABYSSINIA: Gara mulata Mt., 3,060 m., capsules reddish, Mar., No. 5364.

Pleurochaete Beccarii Vent.

SOMALILAND: Libah Hele Mt., long. 43° E., lat. 10° 20' N., 1,770 m., forming cushions, Dec., No. 4709.

Pleuropus sericeus (Hornseh.) Broth.

ABYSSINIA: Yuka, long. 41° 40' E., lat. 9° 25' N., 2,430 m., fructifications reddish, Mar., No. 5438.

Tortula atrovirens (Sm.) Lindb.

SOMALILAND: Sigib Mt., long. 43° 11' E., lat. 10° 19' N., 1,560 m., Feb., No. 4997.

T. erubescens (C.M.) Broth.

ABYSSINIA: Sarerta Mt., long. 42° 19' E., lat. 9° 30' N., 2,100—2,400 m., brown, Feb., No. 5189.

LICHENES (by C. I. Dickinson)

Anaptychia leucomela Ach.

ABYSSINIA: Galla Pass, long. 42° 19' E., lat. 9° 28' N., 2,400 m., grey, Feb., No. 5141.

Leptogium cyanescens Körb.

ABYSSINIA: Yuka, long. 41° 40' E., lat. 9° 25' N., 2,250 m., thallus very dark green, fructifications dark brown, Mar., No. 5430.

Parmelia caperata Ach.

SOMALILAND: South East of Auboba, long. 43° 4' E., lat. 9° 59' N., 1,620 m., grey, Nov., No. 4607.

P. perlata Ach. var. *ciliata*.

SOMALILAND: Libah Hele Mt., long. 43° E., lat. 10° 20' N., 1,560 m., Dec., No. 4699.

P. tiliacea Ach.

As above, No. 4699.

P. sp.

ABYSSINIA: Yuka, long. $41^{\circ} 40'$ E., lat. $9^{\circ} 25'$ N., 2,250 m., thallus green, fructifications brown, Mar., No. 5432.

Physcia stellaris Fr.

SOMALILAND: South East of Auboba, 1,620 m., 20 Nov., No. 4608.

ABYSSINIA: Yuka, 2,250 m., thallus pale grey, Mar., No. 5431.

Ramalina yemensis Nyl.

ABYSSINIA: Yuka, 2,250 m., fronds green erect, Mar., No. 5433.

Thelechosistes chrysophthalmus Beltr.

SOMALILAND: Libah Hele Range, long. 43° E., lat. $10^{\circ} 20'$ N., 1,200 m., thallus grey, fructifications orange, Dec., No. 4686.

Usnea articulata Hoffm.

SOMALILAND: Libah Hele Mt., 1,770 m., yellowish grey, Dec., No. 4708. Vernac.—*Sarokh*.

U. longissima Ach.

ABYSSINIA: Galla Pass, long. $42^{\circ} 19'$ E., lat. $9^{\circ} 28'$ N., 2,340 m., Feb., No. 5130.

Xanthoria parietina Beltr.

SOMALILAND: S.E. Auboba, long. $43^{\circ} 4'$ E., lat. $9^{\circ} 59'$ N., 1,620 m., greenish yellow, Nov., No. 4606.

ABYSSINIA: Sarerta Mt., long. $42^{\circ} 19'$ E., lat. $9^{\circ} 30'$ N., 2,400 m., orange, Feb., No. 5190.

PTERIDOPHYTA (by F. Ballard)

POLYPODIACEAE.

Cystopteris fragilis (Linn.) Bernh. in Schrad. Neu. Journ. 1, 2: 27 (1806).

ABYSSINIA: Gara Mulata Mt., long. $41^{\circ} 45'$ E., lat. $9^{\circ} 15'$ N., 3,000 m., lower *Erica* thicket with *Juniperus*, Mar., No. 5371.

Dryopteris Schimperiana (Hochst.) C. Chr. Ind. Fil. 291 (1905).

ABYSSINIA: Kondudo Mt., 2,640 m., rank herbage on limestone slopes, No. 5227.

Arthropteris orientalis (Gmel.) O. Posth. in Rec. Trav. Bot. Neerl. 21: 218 (1924); *Dryopteris orientalis* (Gmel.) C. Chr.

ABYSSINIA: Gobelli, long. $41^{\circ} 59'$ E., lat. $9^{\circ} 10'$ N., 1,680 m., in lower evergreen formation beneath granite boulders, Mar., No. 5256.

Asplenium abyssinicum Fée Gen. Fil. (5me Mém.) 199 (1850–52).

ABYSSINIA: Gara Mulata Mt., long. $41^{\circ} 45'$ E., lat. $9^{\circ} 15'$ N., 3,000 m., in evergreen forest, Mar., No. 5375.

A. aethiopicum (Burm.) Becherer in Candollea 6: 23 (1935); *A. praemorsum* Sw.

SOMALILAND: Buramo, long. $43^{\circ} 10'$ E., lat. 10° N., 1,740 m., on gneiss slopes, Jan., No. 4849.

ABYSSINIA: Harar, long. $42^{\circ} 6'$ E., lat. $9^{\circ} 18'$ N., 1,920 m., crannies in limestone rocks, Feb., Nos. 5028, 5029.

A. monanthes Linn. Mant. Plant. 130 (1767).

ABYSSINIA: Boesesa Valley, long. 42° 18' E., lat. 9° 29' N., 2,160 m., evergreen forest near stream, on limestone, Feb., No. 5176.

Loxoscaphe theciferum (H. B. & K.) Moore var. *concinna* (Schrad.) C. Chr. in Dansk Bot. Ark. 7: 104 (1932). *Asplenium concinnum* (Schrad.) Kuhn.

ABYSSINIA: Galla Pass, long. 42° 19' E., lat. 9° 28' N., 2,280 m., on shaded limestone rock near stream, Feb., No. 5202. Vernac.—*Afar boso*.

Pellaea calomelanos (Sw.) Link Fil. Sp. Hort. Berol. 61 (1841); *P. hastata* (Thbg.) Prantl.

SOMALILAND: Mt. Rarele, near Buramo, long. 43° 15' E., lat. 10° N., 1,800 m., on mountain top, Dec., No. 4727.

P. quadripinnata (Forssk.) Prantl in Engl. Bot. Jahrb. 3: 420 (1882).

ABYSSINIA: Gara Mulata Mt., long. 41° 48' E., lat. 9° 15' N., 2,700 m., on limestone slopes in burnt *Erica* thickets, Mar., No. 5313.

Cheilanthes coriacea Decne. in Arch. Mus. Hist. Nat. Paris 2: 190 (1841). *Pellaea somarioides* Bak.

SOMALILAND: Duwi, long. 44° 15' E., lat. 10° 5' N., 1,110–1,200 m., in *Buxus* scrub, Oct., No. 4412. Mt. Rarele, near Buramo, long. 43° 15' E., lat. 10° N., 1,740 m., Dec., No. 4732.

C. farinosa (Forssk.) Klf. Enum. Fil. 212 (1824).

ABYSSINIA: Galla Pass, long. 42° 19' E., lat. 9° 28' N., 2,520 m., in rank vegetation seral to *Podocarpus* forest, Feb., No. 5158.

Adiantum Capillus-Veneris Linn. Sp. Pl. 1096 (1753).

SOMALILAND: Auboba long. 42° 55' E., lat. 10° 3' N., 1,170 m., by water, Nov., No. 4642.

ABYSSINIA: Geldid, long. 41° 48' E., lat. 9° 15' N., 2,280 m. on damp shaded stones, Mar., No. 5394. Vernac.—*Sarokh*.

Actinopteris australis (Linn. f.) Link Fil. Sp. Hort. Berol. 80 (1841).

SOMALILAND: Hargeisa, long. 44° E., lat. 9° 35' N., 1,410 m., on sandstone rocks, Oct., No. 4261.

Pteris cretica Linn. Mant. 130 (1767).

ABYSSINIA: Gara Mulata Mt., long. 41° 48' E., lat. 9° 12' N., 2,790 m., in upper evergreen forest with *Hagenia*, Mar., No. 5349. Yuka, long. 41° 40' E., lat. 9° 25' N., 2,280 m., in deep shade of *Podocarpus* forest, Mar., No. 5411.

P. dentata Forssk. Fl. Aegypt-Arab. 186 (1775).

ABYSSINIA: Geldid, long. 41° 48' E., lat. 9° 12' N., 2,580 m., damp places in evergreen forest, Mar., No. 5294.

P. vittata Linn. Sp. Pl. 1074 (1753).

ABYSSINIA: Harar, long. 42° 6' E., lat. 9° 18' N., 1,920 m., in denuded evergreen scrub, Feb., No. 5025.

Polypodium lanceolatum Linn. Sp. Pl. 1082 (1753).

ABYSSINIA: Galla Pass, long. 42° 19' E., lat. 9° 28' N., 2,280 m., shaded limestone rock by stream, Feb., No. 5201.

Loxogramma lanceolata (Sw.) Pr. Tent. Pterid. 215 (1836).
ABYSSINIA: Near Yuka, long. $41^{\circ} 40'$ E., lat. $9^{\circ} 25'$ N., in
Podocarpus forest, Mar., No. 5440.

LYCOPODIACEAE.

Lycopodium dacrydioides Bak. Handbk. Fern Allies 17 (1887).
ABYSSINIA: Yuka, long. $41^{\circ} 40'$ E., lat. $9^{\circ} 25'$ N., 2,130 m.,
in *Juniperus-Podocarpus* forest, Mar., No. 5425.

SELAGINELLACEAE.

Selaginella imbricata (Forssk.) Spring ex Dcne. in Arch. Mus.
Paris 2: 193 (1841-42).

SOMALILAND: Dubriat Mt., long. $45^{\circ} 10'$ E., lat. $10^{\circ} 22'$ N.,
about 210 m., in rock crannies in ravine, Jan., No. 4789.

S. rupestris Spring in Mart. Fl. Bras. 1, 2: 118 (1840), (sens. lat.).

SOMALILAND: Libah Hele Range, 4,300 ft., 1 Dec., No. 4681.
Sigib, 1,290 m., Feb., No. 4681A.

S. somaliensis Bak. in Journ. Bot. 1883: 82.

ABYSSINIA: S.E. of Yuka, long. $41^{\circ} 40'$ E., lat. $9^{\circ} 25'$ N.,
2,100-2,550 m., on limestone slopes with *Juniperus* forest, Mar.,
No. 5405.

EQUISETACEAE.

Equisetum ramosissimum Desf. Fl. Atlant. 2: 398 (1800).

SOMALILAND: Buramo, long. $43^{\circ} 10'$ E., lat. 10° N., 1,260 m.,
on bank of large tug with flowing stream, Jan., No. 4874.

GYMNOSPERMAE.

TAXACEAE.

Podocarpus gracilior Pilger—F.T.A. 6, 2: 342.

ABYSSINIA: Galla Pass, long. $42^{\circ} 19'$ E., lat. $9^{\circ} 28'$ N., tree,
dioecious, up to 30 m., circumference of trunk 5.5 m., Feb., No. 5132.
Vernac.—*Birbirsa*. Sigiba.

CUPRESSACEAE.

Juniperus procera Hochst. ex A. Rich.—F.T.A. 6, 2: 336.

SOMALILAND: Simodi, long. $43^{\circ} 30'$ E., lat. $10^{\circ} 5'$ N., 1,740 m.,
up to 4 m., Nov., No. 4580. Vernac. *Deyib*.

ABYSSINIA: Galla Pass, long. $42^{\circ} 19'$ E., lat. $9^{\circ} 28'$ N., 2,100 m.,
Feb., No. 5109. Vernac.—*Sigib*. *Deid*.

GNETACEAE.

Ephedra Alte C. A. Mey.—F.T.A. 6, 2: 329.

SOMALILAND: Berdale Mt., long. 43° E., lat. $10^{\circ} 20'$ N., 1,380-
1,710 m., shrub up to 2 m., yellow juice, Dec., No. 4682. Vernac.—
Aan orle.

E. foliolata Boiss. & Kotschy ex Boiss. Diag. Ser. I, 7: 101 (1846).

Aden: 300 m., 1 m., stems brittle, flowers yellowish, Mar., No. 5509.

ANGIOSPERMAE.

Dicotyledones.

RANUNCULACEAE.

Ranunculus oreophytus Del.—F.T.A. 1: 10.

ABYSSINIA: Kondudo Mt., long. 42° 20' E., lat. 9° 27' N., 2,760 m., near mountain top, in close sward, limestone soil, Feb., No. 5222.

R. pubescens Thunb. Prod. Pl. Cap. 94 (1800). *R. pinnatus* Poir.—F.T.A. 1: 9.

ABYSSINIA: Gara mulata Mt., long. 41° 48' E., lat. 9° 12' N., 2,580 m., in evergreen forest by stream, limestone, Mar., No. 5355.

Thalictrum minus L.—F.T.A. 1: 8.

ABYSSINIA: Kondudo Mt., long. 42° 20' E., lat. 9° 27' N., 2,700 m. (also abundant on Gara mulata Mt. above 2,700 m.); about 1-6 m. high; rootstock bright yellow when cut; leaves glaucous; stamens yellow; style purple; Feb., No. 5214.

MENISPERMACEAE.

Stephania abyssinica Walp.—F.T.A. 1: 47; F.W.T.A. 1: 74.

ABYSSINIA: Kondudo Mt., long. 42° 20' E., lat. 9° 27' N., 2,730 m., in rank herbage on limestone slopes, flowers dark purple, Feb., No. 5226.

Var. *tomentella* Oliv.—Diels in Engl. Pflanzenr. Menispermac. 270.

ABYSSINIA: Harar—Gobeli road, long. 42° 1' E., lat. 9° 12' N., 1,800 m., flowers greenish, leaves pubescent, Mar., No. 5254.

Cocculus pendulus (Forst.) Diels—F.W.T.A. 1: 69.

SOMALILAND: Hargeisa, long. 44° E., lat. 9° 33' N., 1,290 m., climber amongst Acacia trees, flowers greenish, berry red, Sept., No. 3955. Vernac.—*Hayab* or *Matkare*.

PIPERACEAE.

Peperomia abyssinica Miq.—F.T.A. 6, 1: 153.

ABYSSINIA: Galla Pass, long. 42° 19' E., lat. 9° 28' N., 2,400 m., epiphyte on tree trunks in remnants of Podocarpus forest, inflorescence green, leaves succulent, Feb., No. 5152.—Also in Eritrea.

P. reflexa A. Dietr.—F.T.A. 6, 1: 155; F.W.T.A. 1: 80.

ABYSSINIA: Yuka, long. 41° 40' E., lat. 9° 25' N., 1,980-2,130 m., in lower Juniper-Podocarpus forest on trees or limestone boulders, Mar., No. 5420.

LOASACEAE.

Kissenia spathulata R. Br.—F.T.A. 2: 501.

ADEN: 150 m., on lava, 1 m. high, flowers white, Mar., No. 5516.—Also in Arabia.

CAPPARIDACEAE.

Cleome brachycarpa (Forssk.) Vahl—F.T.A. 1: 77; Chiov. Fl. Somal. 76.

SOMALILAND: Hargeisa, long. $44^{\circ} 1' E.$, lat. $9^{\circ} 33' N.$, 1,290 m., viscid plant with yellow flowers, Sept., No. 3976. Vernac.—*Subugeleh*; Kabalgabat pass, long. $43^{\circ} E.$, lat. $10^{\circ} 20' N.$, 1,080 m., on gneiss rocks, Dec., No. 4687. Vernac.—*Hawar ane*; Berbera, long. $45^{\circ} E.$, lat. $10^{\circ} 25'$, sea level, in sandy places, 1 Jan., No. 4739. ADEN: 210 m., Mar., No. 5498.

C. droserifolia Del.—F.T.A. 1: 77.

ADEN: 300 m., on lava, viscid herb 30 m. high, flowers pale cream with purple stripes, Mar., No. 5503.—Also in Eastern Sudan, Abyssinia and S. Arabia.

C. paradoxa R. Br.—F.T.A. 1: 78; F.W.T.A. 1: 83.

ADEN: 150 m., on lava, 1 m. high, flowers yellow with crimson veins, crushed leaves very aromatic, Mar., No. 5488.

C. pruinosa T. Anders. in Journ. Linn. Soc. 5: Suppl. p. 3.

ADEN: 150 m., on lava, viscid herb 20 cm. high, flowers yellow, Mar., No. 5502.—Endemic.

C. scaposa DC.—Gilg & Benedict in Engl. Bot. Jahrb. 53: 153; F.W.T.A. 1: 83.

SOMALILAND: near Eil Demet, long. $44^{\circ} 17' E.$, lat. $9^{\circ} 53' N.$, 900 m., on stony slopes, an aromatic plant with yellow flowers and succulent leaves, Oct., No. 4333.—Also in Eastern Sudan through Arabia to Scind (India).

C. platysepala Gilg & Benedict in Engl. Bot. Jahrb. 53: 161 (1915).

SOMALILAND: between Hargeisa and Aleyalaleh, long. $44^{\circ} 18' E.$, lat. $9^{\circ} 57' N.$, 810 m., on granite rocks, a small aromatic shrub 1 m. high with pink flowers, Oct., No. 4345.—Endemic.

Gynandropsis gynandra (Linn.) Briq. in Ann. Conserv. and Jard. Bot. Genève 17: 382 (1914). *G. pentaphylla* DC.—F.T.A. 1: 81.

SOMALILAND: Boundary, long. $44^{\circ} 10' E.$, lat. $8^{\circ} 57' N.$, 1,290 m., flowers cream, Oct., No. 4125; Gorfulai, long. $43^{\circ} 38' E.$, lat. $10^{\circ} 16' N.$, 540 m., a viscid annual, Nov., No. 4560. Vernac.—*Darjo*, *Aiya*.

Maerua angolensis DC.—F.T.A. 1: 86; Gilg & Benedict in Engl. Bot. Jahrb. 53: 257; F.W.T.A. 1: 84.

SOMALILAND: long. $43^{\circ} 54' E.$, lat. $9^{\circ} 2' N.$, 1,350 m., slender tree to 10 m., leaves dull green, flowers yellow, Oct., No. 4227; Auboba, long. $43^{\circ} E.$, lat. $10^{\circ} 6' N.$, 1,710–1,800 m., on limestone slopes with *Olea*, *Acokanthera*, etc., Nov., No. 4630. Vernac.—*Ji-eh Lamaloye*.

M. crassifolia Forssk.—Gilg & Benedict in Engl. Bot. Jahrb. 53 : 250 ; F.W.T.A. 1 : 84.

SOMALILAND : near Eil Demet, long. 44° 17' E., lat. 9° 53' N., 960 m., on lava slopes, a shrub to 3 m. with cream flowers, Oct., No. 4314. Vernac.—*Ji-eh*.

M. sessiliflora Gilg—Gilg & Benedict in Engl. Bot. Jahrb. 53 : 248.

SOMALILAND : Boundary, long. 44° 15' E., lat. 8° 55' N., 1,260 m., in Acacia-Grass veldt, tree to 5 m. with greenish-cream flowers, Sept., No. 4084. Hargeisa, long. 44° 1' E., lat. 9° 33' N., 1,290 m., No. 4057. Vernac.—*Ji-eh*.—Endemic.

M. somalensis Pax—Gilg & Benedict in Engl. Bot. Jahrb. 53 : 259.

SOMALILAND : Biji, long. 44° 5' E., lat. 10° 12' N., 420 m. on sand hills, a shrub to 4 m. with succulent leaves, Oct., No. 4509. Vernac.—*Kalan*.

M. Hoehneltii Schweinf.—Gilg & Benedict in Engl. Bot. Jahrb. 53 : 241. *M. campicola* Gilg & Benedict 1. c. 246.

ABYSSINIA : Gafra Valley, long. 42° 13' E., lat. 9° 21' N., 1,500 m., on granite in Acacia scrub or open woodland, bush to 3 m., with green flowers, Feb., No. 5247.

M. sphaerogyna Gilg & Benedict in Engl. Bot. Jahrb. 53 : 244.

SOMALILAND : Duwi Pass, long. 44° 15' E. lat., 10° 5' N., 1200 m. in Buxus scrub on south side of ridge, shrub to 2 m. with cream and green flowers, Oct., No. 4376 ; Rarele Mt., long. 43° 15' E., lat. 10° N., 1,800 m., gneiss slopes in transition zone between Acacia open wood and evergreen scrub, Dec., No. 4730. Vernac.—*Gadu*.

Capparis tomentosa Lam.—F.T.A. 1 : 96 ; Gilg & Benedict in Engl. Bot. Jahrb. 53 : 189.

ABYSSINIA : Gafra Valley, long. 42° 13' E., lat. 9° 21' N., 1,500 m., on granite slopes in deciduous scrub, fragrant climber with greenish-yellow flowers, Feb., No. 5071. Vernac.—*Gombor*.

C. galeata Fresen.—F.T.A. 1 : 95 ; Gilg & Benedict, l.c. 189.

SOMALILAND : near Eil Demet, long. 44° 17' E., lat. 9° 53' N., 930 m., on stony alluvial slopes, a low shrub $\frac{1}{2}$ m. high, flowers white fading to pink, fruit edible, Oct., No. 4332. Vernac.—*Goa, Goa Kulul*.

C. Rothii Oliv.—F.T.A. 1 : 97 ; Gilg & Benedict l.c. 197.

ABYSSINIA : Gafra Valley, long. 42° 13' E., lat. 9° 21' N., 1,500 m., in deciduous scrub, a fragrant climber with cream flowers, Feb., No. 5075. Vernac.—*Gombor*.

Cadaba farinosa Forssk.—F.T.A. 1 : 89 ; Gilg & Benedict l.c. 225.

SOMALILAND : Hargeisa, long. 44° 1' E., lat. 9° 33' N., 1,290 m., a bush with grey leaves and greenish flowers tinged with red, very good grazing for all stock, Sept., No. 3958.—Vernac.—*Ditab*.

C. glandulosa Forssk.—F.T.A. 1: 89; Gilg & Benedict, l.c. 225.

SOMALILAND: near Eil Demet, long. $44^{\circ} 17'$ E., lat. $9^{\circ} 53'$ N., 960 m., on lava slopes facing south, a shrub to $\frac{1}{2}$ m., flowers greenish with light yellow appendix, seeds bright red, good camel food, Oct., No. 4323. Vernac.—*Dukhul*. Aden: 150–450 m., on lava, Mar., No. 5505.

C. longifolia DC.—F.T.A. 1: 90; Gilg & Benedict, l.c. 232.

SOMALILAND: Marmar range, western slopes, long. $42^{\circ} 47'$ E., lat. $10^{\circ} 28'$ N., 1,050 m., on mountain slopes in open scrub with *Commiphora*, a shrub to 3 m. with cream flowers, Nov., No. 4659. Vernac.—*Aina ma ais*, *Ji-ch*. Aden: 150–300 m., on lava, Mar., No. 5489.—Also in Eritrea and S. Arabia.

C. heterotricha Stocks—Gilg & Benedict, l.c. 228.

SOMALILAND: Between Burmado and Goton, long. $43^{\circ} 16'$ E., lat. $10^{\circ} 1'$ N., 1,020 m., on limestone hills in lower Tree-Acacia open wood, a tree to 5 m. widespread but nowhere abundant; trunk may become quite large, bark grey, smooth, flowers white, Nov., No. 4599. Vernac.—*Higlu*.—Also in S. Arabia east to Scind.

Boscia coriacea Pax—Gilg & Benedict, l.c. 211.

SOMALILAND: Harerat, long. $42^{\circ} 49'$ E., lat. $10^{\circ} 21'$ N., 990 m., on limestone rocks, shrub 2 m., flowers greenish, Nov., No. 4645. Vernac.—*Galangal*, *Etinabi*.

B. minimifolia Chiov. Miss. Stefan.—Paoli Somal. Ital. 19, t. 3, fig. A.

SOMALILAND: long. $44^{\circ} 10'$ E., lat. $8^{\circ} 57'$ N., 1,260 m., in Acacia-Grass veldt on deep red soil, also in *Commiphora* formation, a tree 3–4 m. with yellow flowers and grey leaves, Sept., No. 4094. Vernac.—*Megag*.—Endemic.

Courbonia decumbens A. Brogn.—F.T.A. 1: 88; Gilg & Benedict, l.c. 222.

SOMALILAND: Elmis, long. $44^{\circ} 14'$ E., lat. $10^{\circ} 22'$ N., 50–6004 m., on mountain slopes among *Commiphora* and open scrub, a shrub to 1 m., Oct., No. 4499. Vernac.—*Schifawēn*.

C. virgata A. Brogn.—F.T.A. 1: 88; Gilg & Benedict, l.c. 217.

SOMALILAND: Duwi, long. $44^{\circ} 15'$ E., lat. $10^{\circ} 5'$ N., 990 m., on rocky slopes, a shrub to 1 m. with cream flowers, Oct., No. 4389.—Vernac.—*Schifawēn*.

MORINGACEAE.

Moringa aptera Gaertn.—F.T.A. 1: 101.

SOMALILAND: Elmis, long. $44^{\circ} 14'$ E., lat. $10^{\circ} 20'$ N., 240 m., on lava slopes, shrub 4 m., stem very brittle, Oct., No. 4488. Vernac.—*Dumōk*.

CRUCIFERAE.

Matthiola dimolehensis Bak. f. in Journ. Bot. 1898: 2.

SOMALILAND: Biyo gora, long. $45^{\circ} 8'$ E. lat. $10^{\circ} 25'$ N., 90 m., in sandy bed of tug, herb with mauve flowers, Jan., No. 4830.—Endemic.

M. elliptica R. Br. ex DC.—F.T.A. 1: 57.

SOMALILAND: near Eil Demet, long. $44^{\circ} 17' E.$, lat. $9^{\circ} 53' N.$, 960 m., on lava rocks, shrublet up to 30 cm. high with white flowers, Oct., No. 4318. Vernac.—*Aho*; Goton E., long. $42^{\circ} 54' E.$, lat. $10^{\circ} 9' N.$, 1,350 m., on limestone crags, Nov., No. 4638. Vernac.—*Geldabar*.

Farselia grandiflora Fourn.—F.T.A. 1: 62.

SOMALILAND: Buramo, Varieto tug, long. $43^{\circ} 10' E.$, lat. $10^{\circ} 2' N.$, 1,290 m., on rocky gneiss slope in Acacia open wood—evergreen scrub, flowers pale yellowish-brown, Jan., No. 4896.

Boundary Pillar 93, long. $45^{\circ} 9' E.$, lat. $8^{\circ} 37' N.$, 990 m., flowers white, Oct., No. 4222. Vernac.—*Iba ror*.

F. longisiliqua Decne.—F.T.A. 1: 62.

SOMALILAND: Near Haili tug, long. $45^{\circ} 20' E.$, lat. $10^{\circ} 22' N.$, 210 m., on sub desert or eocene limestone slopes, about 1 m. high with greenish cream flowers, Jan., No. 4815. Vernac.—*Mero dameta*, *Aseyc*.

Elmis, long. $44^{\circ} 14' E.$, lat. $10^{\circ} 22' N.$, 300–600 m., in *Commiphora* and open scrub on mountain slope, slender shrub to 2 m. high, 29 Oct., No. 4498. Aden, 150 m., flowers white, Mar., No. 5518.

F. longistyla Baker in Kew Bull. 1895: 211.

SOMALILAND: Debrawen, long. $42^{\circ} 49' E.$, lat. $10^{\circ} 26' N.$, 960 m., in bare sandy bed of tug near permanent water, flowers lilac, Nov., No. 4670. Dubriat Mt., 150 m., long. $45^{\circ} 10' E.$, lat. $10^{\circ} 22' N.$, Jan., No. 4781. Biji, long. $44^{\circ} 5' E.$, lat. $10^{\circ} 12' N.$, 540 m., on the top of schist mountain, in *Commiphora* and open scrub, Oct., No. 4506. Vernac.—*Lanagar*.—Endemic.

F. ramosissima Hochst.—F.T.A. 1: 63.

SOMALILAND: Hargeisa, long. $44^{\circ} 1' E.$, lat. $9^{\circ} 33' N.$, 1,290 m., limestone escarpment, flowers yellow, Sept., No. 3973; Dubriat Mt., long. $45^{\circ} 10' E.$, lat. $10^{\circ} 22' N.$, 300 m., Jan., No. 4786; Buramo, long. $42^{\circ} 10' E.$, lat. $10^{\circ} N.$, 1,500 m., Jan., No. 4852.

F. somalensis (Pax) Engl. Bot. Jahrb. 53: 169.

Cleomodendron somalense Pax in Bericht. Deutsch. Bot. Geselsch. 9: 32 (1891). *F. fruticosa* Engl. in Ann. Ist. Bot. Roma 9: 249 (1902).

SOMALILAND: Ali Wein Mt., long. $45^{\circ} 15' E.$, lat. $10^{\circ} 24' N.$, 600 m., limestone slopes on rocks in open scrub, a small shrub about $\frac{1}{2}$ m. high, flowers white, Jan., No. 4821.—Endemic.

F. sp.

SOMALILAND: Ali Wein Mt., long. $45^{\circ} 15' E.$, lat. $10^{\circ} 24' N.$, 600 m., in open scrub on rocky limestone slopes, about 30 cm. high with white flowers, Jan., No. 4822.—Material not sufficient for description.

Nasturtium officinale (Linn.) R.Br.—F.T.A. 1: 58.

ABYSSINIA: Boesesa valley, long. $42^{\circ} 18' E.$, lat. $9^{\circ} 29' N.$, 2,040 m., in small stream; flowers white, Feb., No. 5174.—Vernac. *Mukerafo*. The Common Watercress.

Cardamine africana Linn.—F.T.A. 1: 60.

ABYSSINIA: Gara mulata Mt., long. $41^{\circ} 48' E.$, lat. $9^{\circ} 12' N.$, 2,250–3,000 m., on limestone in damp places, flowers cream, Mar., No. 5291.

Arabis albida Stev. in DC. Syst. Veg. 2: 217.

ABYSSINIA: Kondudo Mt., long. $42^{\circ} 20' E.$, lat. $9^{\circ} 27' N.$, 2,640–2,790 m., on limestone slopes, herb to 30 cm. with white flowers, Feb., No. 5207.

Diceratella sinuata (Franch.) Oliv. in James and Thrupp, Unknown Horn of Africa, 318 (1888); Chiov. Fl. Somal. 75.

SOMALILAND: Boundary, long. $44^{\circ} 15' E.$, lat. $8^{\circ} 58' N.$, 1,260 m., shallow soil in *Acacia Bussei* association, flowers pale mauve or white, Sept., No. 4105. Hargeisa, long. $44^{\circ} E.$, lat. $9^{\circ} 33' N.$, 1,290 m., level ground in Tree-Acacia formation, flowers mauve, Sept., No. 3933. Buramo, long. $43^{\circ} 10' E.$, lat. $10^{\circ} N.$, 1,260 m., in the gorge of a large tug, herb 20 cm. high with dark purple flowers, Jan., No. 4879.—Also in Socotra.

Erucastrum abyssinicum (A. Rich.) O. E. Schulz in Engl. Bot. Jahrb. 54: Beibl. 119: 56 (1916), et in Engl. Pflanzenr. 4, 105: 98.

ABYSSINIA: Yuka, long. $41^{\circ} 40' E.$, lat. $9^{\circ} 25' N.$, 2,130 m., on shingle by stream, in open place in *Podocarpus* forest; herb with yellow flowers, March, No. 5414. Vernac.—Gomanza.

Dipterygium glaucum Decne.—F.T.A. 1: 73.

SOMALILAND: Elmis, long. $44^{\circ} 14' E.$, lat. $10^{\circ} 20' N.$, 230 m., sandy plain, suffruticose, fls. yellow, Oct., No. 4491. Vernac.—*Sar asēs*.—Also in Nubia, Arabia and N.W. India.

Sisymbrium Irio Linn.—F.T.A. 1: 64.

SOMALILAND: Buramo, long. $44^{\circ} 10' E.$, lat. $10^{\circ} 2' N.$, 1,290 m., steep rocky slopes, fls. yellow, Jan., No. 4895.

VIOLACEAE.

Viola abyssinica Steud.—F.T.A. 1: 105; F.W.T.A. 1: 97.

ABYSSINIA: Gara mulata Mt., long. $41^{\circ} 48' E.$, lat. $9^{\circ} 12' N.$, 2,850 m., fls. white, spur and throat yellow, with blue lines on lower petal, Mar., No. 5330.

RESEDACEAE.

Reseda ambylocarpa Fresen. in Mus. Denckenb. 2: 108 (1837).

ADEN: sea level to 450 m., on lava slopes coming down to the sea, flowers pale yellow, Mar., No. 5482.

R. bracteata Boiss. Diagn. Ser. I. 6: 22 (1842).

SOMALILAND: between Hargeisa and Aleyalaleh, long. $44^{\circ} 17' E.$, lat. $9^{\circ} 55' N.$, 900 m., fls. cream, Oct., No. 4336. Vernac.—*Kahiye*.

R. oligomeroides Schinz in Bull. Herb. Boiss. 3: 397 (1895).

SOMALILAND: Hargeisa, long. $44^{\circ} 1' E.$, lat. $9^{\circ} 33' N.$, 1,290 m., fls. cream, Sept., No. 4019. Berbera, long. $45^{\circ} E.$, lat. $10^{\circ} 25' N.$, in sand overlying coral rock, Jan., No. 4757. Vernac.—*Kahiye*.

Ochradenus baccatus Del.—F.T.A. 1: 104.

SOMALILAND: Duwi, long. $44^{\circ} 15' E.$, lat. $10^{\circ} 5' N.$, 870 m., small shrub 1 m. high; fls. yellow, in open scrub on rocky slopes, Oct., No. 4393. Vernac.—*Miru*.

O. somalensis Bak. f. in Journ. Bot. 1896: 52.

SOMALILAND: Hargeisa, long. $44^{\circ} 1' E.$, lat. $9^{\circ} 33' N.$, 1,290 m., open ground, fls. yellow green, eaten by camels, Sept., Nos. 3953; 3981. Vernac.—*Gosa mudoweyi*.—Endemic.

POLYGALACEAE.

Polygala abyssinica Fres.—F.T.A. 1: 130; Chodat, Monogr. Polygalac., 388.

SOMALILAND: Barataga, long. $44^{\circ} 1' E.$, lat. $10^{\circ} 5' N.$, 1,290 m., grassy slopes amongst *Buxus*, calyx green, petals purple, Oct., No. 4517; Buramo, Dumuk tug, long. $43^{\circ} 12' E.$, lat. $10^{\circ} 1' N.$, 1,200 m., in gneiss gorge of tug, $\frac{1}{2}$ m. high, Jan., No. 4882.

ABYSSINIA: Harar, long. $42^{\circ} 6' E.$, lat. $9^{\circ} 18' N.$, 1,920 m., Feb., No. 5013.

P. erioptera D.C.—Chodat, l.c. 342.

SOMALILAND: Burmado, long. $43^{\circ} 50' E.$, lat. $10^{\circ} 13' N.$, 960 m., shady side of mountain top, calyx green, petals crimson, Nov., No. 4542; Buramo, Warieto tug, long. $43^{\circ} 10' E.$, lat. $10^{\circ} 2' N.$, 1,080 m., on gneiss hills in Acacia open wood, Jan., No. 4911.

P. Hagerupii Exell in Journ. Bot. 1930: 244. *P. obtusata* Guil. & Perr. non DC.

SOMALILAND: Berbera, sandy and shingly plain, 1 Jan., No. 4756. Aden: 210 m., on lava, Mar., No. 5490. Vernac.—*El Asti* (Somali).

P. obtusissima Hochst. ex Chodat, Monogr. Polygalac. 322 (1891). *P. calcicola* Chodat in Chodat Monogr. Polygalac. p. 326 (1891).

SOMALILAND: on the Abyssinia-Somaliland Boundary, long. $44^{\circ} 15' E.$, lat. $8^{\circ} 55' N.$, 1,260 m., in shady places among *Acacia* and on the grass veldt, flowers pink, Sept., No. 4085; Buramo, Warieto tug, long. $43^{\circ} 10' E.$, lat. $10^{\circ} 2' N.$, 1,080 m., smaller petals crimson, large outer ones yellow veined with crimson, rest of flower green, Jan., No. 4913. Boundary Pillar 93, long. $45^{\circ} 9' E.$, lat. $8^{\circ} 37' N.$, Sept., No. 4219.

P. Quartiniana A. Rich. in Ann. Sci. Nat. Ser. ii. 14: 263 (1840); Chodat, l.c. 328.

SOMALILAND: Boundary, long. $44^{\circ} 10' E.$, lat. $8^{\circ} 57' N.$, 1,290 m., fls. green and crimson, Oct., No. 4120.

ABYSSINIA: Yuka, 1,980 m., evergreen scrub on steep limestone slopes, Mar., No. 5453.

P. Stuedneri Chodat, l.c. 390.

ABYSSINIA: Kondudo Mt., 2,760 m., long. $42^{\circ} 20' E.$, lat. $9^{\circ} 27' N.$, rocky mountain top, flowers pale crimson with dark veins, Feb., No. 5219.

Crassula abyssinica A. Rich.—F.T.A. 2 : 388.

ABYSSINIA : Gara mulata Mt., long. 41° 48' E., lat. 9° 12' N., 2,700 m., in Juniperus-Podocarpus forest on steep limestone slopes, fls. rose-white, stem reddish succulent, Mar., No. 5345.

C. alsinoides (Hook. f.) Engl.—F.W.T.A. 1 : 103.

ABYSSINIA : Geldid, long. 41° 48' E., lat. 9° 12' N., 2,520 m., in ravines and light evergreen forest on damp shaded soil, flowers white, leaves succulent, Mar., No. 5287.

C. galunkensis Engl. Bot. Jahrb. 39 : 468 (1907).

SOMALILAND : Duwi, long. 44° 15' E., lat. 10° 5' N., 1,200 m., on Basalt rocks in Buxus scrub, succulent, flowers white, Nov., No. 4413.

C. rivularis (Peter) Hutch. & E. A. Bruce, comb. nov. *Tillaea rivularis* Peter. *C. Wrightiana* Bullock.

ABYSSINIA : Galla Pass, long. 42° 19' E., lat. 9° 28' N., 2,340 m., on border of lake, limestone, flowers mauve with darker centre, Mar., No. 5137.

Kalanchoe diversa N.E. Br. in Gard. Chron. 1902, 2 : 210.

SOMALILAND : Hargeisa, long. 44° 1' E., lat. 9° 33' N., 1,200 m., on alluvium, flowers orange, Oct., No. 4235. Vernac.—*Mantera*.—Endemic.

K. lanceolata Pers. Synop. 1 : 446 (1805); *K. glandulosa* Hochst.—F.T.A. 2 : 396.

SOMALILAND : near Daba Bur, long. 43° 6' E., lat. 9° 59' N., 1,470 m., in tree Euphorbia wood in deep soil, flowers orange, Nov., No. 4614. Vernac.—*Bibile*.

K. Quartiniana A. Rich.—F.T.A. 2 : 391.

ABYSSINIA : Galla Pass, long. 42° 19' E., lat. 9° 25' N., 2,340 m., on limestone, flowers pink, 22 Feb., No. 5129. Vernac.—*Lugo*.—Endemic.

K. somaliensis Baker in Kew Bull. 1895 : 214, et ex Hook. f. Bot. Mag. t. 7831 (1902).

SOMALILAND : Hargeisa, 1,260 m., in shade of Acacias, leaves whitish, flowers cream, to ½ m. high, Sept., No. 4068. Vernac.—*Wahara bifeye*.

K. stenosphon Britten—F.T.A. 2 : 395.

SOMALILAND : Buramo-Warieto tug, long. 43° 10' E., lat. 10° 2' N., 1,080 m., on alluvium with Sansevieria, in Acacia association, flowers salmon, leaves succulent, 1 m. high, Jan., No. 4905.

K. citrina Schweinf. in Engl. Pflanzenw. Afrikas 3, 1 : 285 (1915).

SOMALILAND : 20 m. S. of Hargeisa, long. 44° E., lat. 9° 20' N., 1,380 m., in tree Acacia-Aloe-Grass country, flowers cream, Oct., No. 4232. Vernac.—*Mantera*.—Also in Eritrea and Arabia.

Umbilicus botryoides Hochst.—F.W.T.A. 1 : 105.

SOMALILAND : Mt. Wobleh, long. 43° 17' E., lat. 10° 15' N., 1,620 m., beneath Junipers, Feb., No. 4989.—Also in Mts. of Abyssinia and Uganda, and on Cameroons Mt.

Cotyledon Barbeyi Schweinf. ex Penzig in Att. Congr. Bot. Genev. 1893: 341.

SOMALILAND: Simodi, long. $43^{\circ} 30'$ E., lat. $10^{\circ} 5'$ N., 1,500-1,740 m., on mt. slopes in scattered *Buxus-Acokanthera* scrub, 1.5 m. high, leaves whitish, flowers drooping, pale yellow, Nov., No. 4571. Vernac.—*Mtera*.

Sempervivum leucoblepharum (Webb ex A. Rich.) Hutch. & E. A. Bruce, comb. nov. *Aeonium leucoblepharum* Webb ex A. Rich. Fl. Abyss. 1: 314 (1847). *S. chrysanthum* Hochst.

ABYSSINIA: Gara mulata Mt., long. $41^{\circ} 48'$ E., lat. $9^{\circ} 12'$ N., 2,760 m., on limestone cliffs and sometimes epiphytic on trees, flowers yellow, leaves red tinged, Mar., No. 5363.

CARYOPHYLLACEAE.

Arenaria Schimperii (Hochst.) Oliv. F.T.A. 1: 142.

ABYSSINIA: Gara mulata Mt., long. $41^{\circ} 48'$ E., lat. $9^{\circ} 12'$ N., 2,910 m., on limestone rocks, fls. white, Mar., No. 5314.

A. serpyllifolia L.—F.T.A. 1: 142.

ABYSSINIA: Gara mulata Mt., long. $41^{\circ} 48'$ E., lat. $9^{\circ} 12'$ N., 2,640 m., Mar., No. 5342.

SOMALILAND: Dobo Pass, long. $44^{\circ} 15'$ E., lat. $10^{\circ} 15'$ N., 1,200 m., in shady crannies, fls. white, Feb., No. 4972.

Cerastium africanum Oliv.—F.W.T.A. 1: 110.

ABYSSINIA: Kondudo Mt., long. $42^{\circ} 20'$ E., lat. $9^{\circ} 27'$ N., 2,700 m., fls. white, Feb., No. 5215.

Gypsophila montana Balf. f. in Proc. Roy. Soc. Edinb. 11: 501 (1882).

ADEN: 150 m., on lava, flowers white, Mar., No. 5504.—Also in S. Arabia and Socotra.

Silene chirensis A. Rich. Fl. Abyss. 1: 44 (1847)—F.T.A. 1: 139, sub *S. Burchellii*.

ABYSSINIA: Yuka, long. $41^{\circ} 40'$ E., lat. $9^{\circ} 25'$ N., 2,250 m., open grass scrub, flowers cream to pink, Mar., No. 5436.

S. flammulifolia Steud.—F.T.A. 1: 139.

ABYSSINIA: Gara mulata Mt., long. $41^{\circ} 48'$ E., lat. $9^{\circ} 12'$ N., 2,730 m., limestone rocks, Mar., No. 5306—Also in Eritrea and Arabia.

MOLLUGINACEAE.

Gisekia pharnaceoides Linn.—F.T.A. 2: 593; F.W.T.A. 1: 113.

SOMALILAND: Duwi, long. $44^{\circ} 15'$ E., lat. $10^{\circ} 5'$ N., 840 m., on bare sand in valley, flowers white, Oct., No. 4428; Afard, 540 m., Oct., No. 4459; Weranwis valley, 750 m., Nov., No. 4534; Dobo Pass, 1,200 m., Feb., No. 4955.

Mollugo Cerviana Seringe—F.T.A. 2: 591; F.W.T.A. 1: 114.

SOMALILAND: Gorfulai, long. $43^{\circ} 38'$ E., lat. $10^{\circ} 16'$ N., 540 m., in sandy bed of tug, flowers pale, Nov., No. 4559.

Orygia decumbens Forssk.—F.T.A. 2: 589.

SOMALILAND: Junction of tugs, long. $44^{\circ} 18' E.$, $9^{\circ} 57' N.$, 810 m., stony bed of tug, flowers crimson, Oct., No. 4349.

FICOIDACEAE.

Trianthema pentandra Linn.—F.T.A. 2: 588; F.W.T.A. 1: 115.

SOMALILAND: Boundary, long. $44^{\circ} 10' E.$, lat. $8^{\circ} 57' N.$, 1,290 m., Oct., No. 4128; Buramo-Warieto tug, 1,080 m., Feb., No. 4920.

T. crystallinum Vahl—F.T.A. 2: 587.

SOMALILAND: Berbera, sea level, on sand by the sea, flowers yellow, Jan., No. 4744. Vernac.—*Daran ad.*

PORTULACACEAE.

Portulaca oleracea Linn.—F.T.A. 1: 148; F.W.T.A. 1: 116.

SOMALILAND: Boundary 7 miles W. of long. $43^{\circ} 54' E.$, lat. $9^{\circ} 2' N.$, 1,350 m., succulent, flowers yellow, Oct., No. 4225. Hargeisa, 1,290 m., Oct., No. 4238. Vernac.—*Aiyo*.

P. quadrifida Linn.—F.T.A. 1: 49; F.W.T.A. 1: 116.

SOMALILAND: boundary, long. $44^{\circ} 10' E.$, lat. $8^{\circ} 57' N.$, 1,290 m., flowers yellow, Oct., No. 4137. Near Eil Demet, long. $44^{\circ} 17' E.$, lat. $9^{\circ} 53' N.$, 930 m., on stony ground, Oct., No. 4303. Afard, long. $44^{\circ} 8' E.$, lat. $10^{\circ} 10' N.$, 600 m., on stony slopes, Oct., No. 4476. Dobo Pass, long. $43^{\circ} 15' E.$, $10^{\circ} 15' N.$, 1,200 m., open wood, Feb., No. 4961. Vernac.—*Hadu as, Dananiso*.

P. somalica N.E. Br. in Gard. Chron. 1886, 2: 134.

SOMALILAND: Hargeisa, long. $44^{\circ} 1' E.$, lat. $9^{\circ} 33' N.$, 1,290 m., in bare alluvium, flowers yellow, 25 Sept., No. 4049. Afard, long. $44^{\circ} 8' E.$, lat. $10^{\circ} 8' N.$, 960 m., in stony place in open Acacia wood, flowers yellow, 25 Oct., No. 4466. Vernac.—*Hadu Sagaro, Dananiso*. Endemic.

P. Wightiana Wall. Cat. N. 6845; Fl. Brit. Ind. 1: 247 (1874).

SOMALILAND: Afard, No. 4462.—Also in Madras; a new record for Africa.

POLYGONACEAE.

Polygonum acuminatum H.B. & K.—F.T.A. 6. 1: 112; F.W.T.A. 1: 120.

ABYSSINIA: Galla Pass, long. $42^{\circ} 19' E.$, lat. $9^{\circ} 28' N.$, 2,340 m., on limestone, flowers pink, Feb., No. 5138. Harar, long. $42^{\circ} 10' E.$, lat. $9^{\circ} 20' N.$, 1,740 m., on granite in stream bed, flowers white touched with pink, Feb., No. 5035.

P. senegalense Meisn.—F.T.A. 6, 1: 111; F.W.T.A. 1: 120.

ABYSSINIA: Harar, long. $42^{\circ} 10' E.$, lat. $9^{\circ} 20' N.$, 1,740 m., on granite in a stream bed, flowers pink, Feb., No. 5036.

SOMALILAND: Buramo, long. $43^{\circ} 10' E.$, lat. $10^{\circ} N.$, 1,260 m., Jan., No. 4876.

Rumex nepalensis Spreng.—F.T.A. 6, 1: 117; F.W.T.A. 1: 120.

ABYSSINIA: Galla Pass, long. $42^{\circ} 9' E.$, lat. $9^{\circ} 28' N.$, 2,250 m., flowers dark red, Feb., No. 5164. Vernac.—*Arab-sari*.

R. nervosus Vahl.—F.T.A. 6, 1: 116.

ABYSSINIA: Harar, long. $42^{\circ} 6' E.$, lat. $9^{\circ} 18' N.$, 1,920 m., on limestone, weak ascending shrub, flowers pale green flushed with red, Feb., No. 5027.

Oxygonum atriplicifolium Martelli var. *sinuatum* Baker—F.T.A. 6, 1: 101.

SOMALILAND: Dobo Pass, long. $43^{\circ} 15' E.$, lat. $10^{\circ} 15' N.$, 1,200 m., on Gneiss in Acacia open wood, flowers pink, leaf margin and stem base red, Feb., No. 4951.

ILLECEBRACEAE.

Cometes abyssinica R. Br.—F.T.A. 6, 1: 14.

ADEN: 1,500 ft., fls. green, Mar., No. 5487.

SOMALILAND: Hargeisa, long. $44^{\circ} 1' E.$, lat. $9^{\circ} 35' N.$, 1,410 m., on sandstone, flowers pale, Sept., No. 4027.

Corrigiola litoralis Linn.—F.T.A. 6, 1: 12.

ABYSSINIA: Mulka jibri, long. $42^{\circ} 16' E.$, lat. $9^{\circ} 24' N.$, 1,620 m., on sand by stream, flowers green and white, Feb., No. 5080. Vernac.—*Moka ija*.

Pollichia campestris Ait.—F.T.A. 6, 1: 10.

SOMALILAND: Mt. Wobleh, long. $43^{\circ} 17' E.$, lat. $10^{\circ} 15' N.$, 1,530 m., on gneiss rock in shade of Junipers, flowers greenish, Feb., No. 4984.

PHYTOLACCACEAE.

Phytolacca dodecandra L'Hérit.—F.T.A. 6, 1: 97; F.W.T.A. 1: 121.

ABYSSINIA: Galla Pass, long. $42^{\circ} 19' E.$, lat. $9^{\circ} 28' N.$, 2,250 m., usually near houses, Feb., No. 5165. Vernac.—*Ndod*.

CHENOPODIACEAE.

Chenopodium Botrys Linn.—F.T.A. 6, 1: 79.

ABYSSINIA: Gara mulata Mt., long. $41^{\circ} 48' E.$, lat. $9^{\circ} 12' N.$, 2,670 m., in Juniper-Podocarpus forest on steep limestone slopes, flowers yellow green, Mar., No. 5343.

C. murale Linn.—F.T.A. 6, 1: 78.

SOMALILAND: Boundary, long. $44^{\circ} 10' E.$, lat. $8^{\circ} 57' N.$, 1,290 m., 2 Oct., No. 4132.—Vernac.—*Aiyu Guri*.

C. opulifolium Schrad.—F.T.A. 6, 1: 78.

SOMALILAND: Boundary, long. $44^{\circ} 10' E.$, lat. $8^{\circ} 57' N.$, 1,290 m., Oct., No. 4129.

Suaeda fruticosa Forssk.—F.T.A. 6, 1: 91.

SOMALILAND: Kabri Bahr, long. $43^{\circ} 44' E.$, lat. $10^{\circ} 20' N.$, 450 m., on fringe of Tamarix thicket, shrub to 2 m., flowers green, leaves succulent, Nov., No. 4544. Berbera, sea level, sand or mud by the sea, Jan., No. 4743. Vernac.—*Hodon*.

S. vermiculata Forssk.—F.T.A. 6, 1: 92.

SOMALILAND: Berbera, 6.4 m., fls. green, Jan., No. 4746.
Vernac.—*Dinas*.

Salsola Bothae Boiss.—F.T.A. 6, 1: 90; Blatter, Flora of Aden, 312. Aden: 210 m., on lava in sub-desert, small shrub to 30 cm., flowers greenish, Mar., No. 5477; SOMALILAND: Hargeisa, 1,290 m., on alluvium, Sept., No. 4062; Berbera, 30 m., on shingly plain, stems glaucous, Jan., No. 4760. Debrawen, 990 m., Feb., No. 4939. Vernac.—*Goso mudo weyi*, *Mirgi edalis* (Somali).—Also in S. Arabia.

S. crassa M.Bieb.—F.T.A. 6, 1: 88.

SOMALILAND: Dubar, long. 45° 5' E., lat. 10° 20' N., 300 m., shrublet 40 cm., whitish, Jan., No. 4767. Vernac.—*Habugh*.

S. foetida Del.—F.T.A. 6, 1: 87.

SOMALILAND: Duwi pass, long. 44° 15' E., lat. 10° 5' N., 1,050 m., in tree Acacia-grass community, small shrub 4 m., flowers white tinged with pink, Oct., No. 4372. Vernac.—*Gulan*.

Pleuropterantha Revoilii Franch. in Revoil Pays Comalis 59, t. 5 (1882).

SOMALILAND: Hargeisa, 1,290 m., by small tug, flowers cream, Sept., No. 3988; Boundary Pillar 93, long. 45° 9' E., lat. 8° 37' N., 990 m., Oct., No. 4207; Junction of tugs, long. 44° 18' E., lat. 9° 57' N., 810 m., on granite rocks, Oct., No. 4348; Weranwis Valley, long. 43° 50' E., lat. 10° 15' N., 480 m., in open Commiphora scrub, wings of fruit reddish, root used as soap, Nov., No. 4529; Berbera, sea level, sandy places, near the sea, flowers white and purplish, Jan., No. 4745; Hills west of Wadi Haiti, long. 45° 20' E., lat. 10° 22' N., 230 m., shrub 1.5 m., Jan., No. 4814. Vernac.—*Ged Hajin*, *Iber ror*, *Ul as*.—Endemic.

Blatter, Flora of Aden, 301 (1915).

Mar., No. 5491.—Also in S. Arabia.

AMARANTHACEAE.

Celosia populifolia Moq.—F.T.A. 6, 1: 24.

SOMALILAND: Afard, long. 44° 8' E., lat. 10° 10' N., 600 m., among rocks in Commiphora bush, shrub 2 m., flowers dull red, Oct., No. 4475. Vernac.—*Ged lalis*.

Amaranthus oleraceus Linn.—F.T.A. 6, 1: 34; F.W.T.A., 1: 125.

SOMALILAND: Buramo Varieto tug, 1,080 m., Feb., No. 4919a.

A. graecizans Linn.—F.T.A. 6, 1: 34.

With above, No. 4919b.

Aerva lanata Juss.—F.T.A. 6, 1: 39.

SOMALILAND: Jalelo, long. 44° 14' E., lat. 9° 45' N., 1,080 m., on schist rocks, flowers greenish, Oct., No. 4295; Aden, 210 m., on lava slopes in sub-desert, Mar., No. 5478.

A. tomentosa Forssk.—F.T.A. 6, 1: 37; F.W.T.A. 1: 125.

SOMALILAND: Hargeisa, long. 44° 1' E., lat. 9° 33' N., 1,290 m., in tree-Acacia formation, Sept., No. 3932; Debrawen, long. 42° 49' E., lat. 10° 26' N., 930 m., Nov., No. 4649; 4650. Vernac.—*Sorna* or *Wanad*.

Pupalia lappacea Juss.—F.T.A. 6, 1: 47; F.W.T.A. 1: 127.

SOMALILAND: Hargeisa, long. 44° 1' E., lat. 9° 33' N., 1,290 m., level ground among aloes and in tree-Acacia formation, flowers white, Sept., No. 3938. Vernac.—*Marabob*.

Psilotrichum gnaphalobryum (Hochst.) Schinz in Engl & Prantl Pflanzenfam. 16 c: 60 (1934).

SOMALILAND: Duwi, long. 44° 15' E., lat. 10° 5' N., 840 m., climber, flowers cream, Oct., No. 4392.

Psilotrichum gracilipes Hutch. et E. A. Bruce, sp. nov. affinis *P. gnaphalobryo* (Hochst.) Schinz, sed floribus longe et graciliter pedicellatis facile distinguitur.

Herba basi lignosa, circiter 25 cm. alta; caules molliter tomentosi. *Folia* anguste lanceolata ad ovata, apice subacuta, basi in petiolum sensim angustata, 2.5–4 cm. longa, usque ad 1.3 cm. lata, utrinque breviter pubescentia, juniora sericea; nodi longe pilosi. *Inflorescentia* laxè paniculata, ramis et ramulis gracilibus glabrescentibus ad angulos 45° patentibus; bracteae lineares, virides, usque ad 2 cm. longae; pedicelli gracillimi, usque ad 1.5 cm. longi, plerumque apice florem rudimentarium gerentes; bracteolae 2, late ovato-triangulares, uninerviae, hyalinae, 1 mm. longae. *Sepala* elliptico-lanceolata, apice subacuta, 3-nervia, 3 mm. longa, 1–1.25 mm. lata, patule pubescentia. *Filamenta* 1 mm. longa; antherae 0.15 mm. longae. *Ovarium* late ovoideum, glabrum; stylus 0.75 mm. longus.

SOMALILAND: Debrawen, long. 43° 10' E., lat. 10° 5' N., 1,020 m., on stony limestone hill, flowers dull red, 4 Feb., No. 4937 (type in Kew Herb.).

Sericocomopsis pallida (C.B.Cl.) Schinz. in Engl. Bot. Jahrb. 21: 185 (1895). *Cyphocarpa pallida* C.B.Cl.—F.T.A. 6, 1: 54.

SOMALILAND: Hargeisa, long. 44° 1' E., lat. 9° 33' N., 1,290 m., level ground near tug in shelter of aloes, ½ m. high, flowers white, Sept., No. 3935. Boundary Pillar 93, No. 4214. Vernac.—*Harbo*.

Achyranthes aspera Linn.—F.T.A. 6, 1: 63; F.W.T.A. 1: 128.

SOMALILAND: Hargeisa, long. 44° 1' E., lat. 9° 33' N., 1,290 m., level ground near tug in shade of Acacias, flowers reddish, Sept., No. 3924.

LINACEAE.

Linum usitatissimum Linn.—F.T.A. 1: 269.

ABYSSINIA: Mulka jibri, long. 42° 16' E., lat. 9° 24' N., 1,620 m., flowers blue, Feb., No. 5076.

ZYGOPHYLLACEAE.

Tribulus cistoides Linn.—DC. Prodr. 1 : 703 (1824). *Tribulus terrestris* var. *cistoides*.—F.T.A. 1 : 284.

SOMALILAND : Duwi, long. 44° 15' E., lat. 10° 5' N., 840 m., in grazed valley, a prostrate herb with yellow flowers, Oct., No. 4430 ; Hargeisa, long. 44° 1' E., lat. 9° 33' N., 1,290 m., Sept., No. 3975. Vernac.—*Go-ondo*.

T. mollis Ehrenb. in Schweinf. Fl. Aethiop. 29 (1867).

SOMALILAND : Berbera, on sandy plain, a prostrate herb with pale yellow flowers, Jan., No. 4747. Vernac.—*Gahad*.

T. terrestris Linn.—F.T.A. 1 : 283 ; F.W.T.A. 1 : 136, fig. 53.

SOMALILAND : Hargeisa, long. 44° 1' E., lat. 9° 33' N., 1,290 m., prostrate plant with yellow flowers, Sept., No. 3970. Vernac.—*Gohondo*.

Zygophyllum Hildebrandtii Engl. in Ann. Inst. Bot. Roma 7 : 15 (1897).

SOMALILAND : Las Dawan, long. 45° 12' E., lat. 10° 20' N., 180 m., in sub-desert especially near tugs, a shrub to 2 m., with pink flowers, Jan., No. 4809. Vernac.—*Bal ad*.—Endemic.

Z. simplex Linn.—F.T.A. 1 : 285 ; Chiov. Fl. Somal. 110.

SOMALILAND : near Eil Demet, long. 44° 17' E., lat. 9° 53' N., 990 m., on sandy soil between lava rocks, prostrate herb with yellow flowers, Oct., No. 4317.

ADEN : 150 m., on lava, Mar., No. 5515. Vernac.—*Kabogh hois* (Somal.).

Fagonia Bruguieri DC. Prodr. 1 : 704 (1824)—for synonymy see Hutch. in Kew Bull. 1931 : 164.

SOMALILAND : Hargeisa, long. 44° 1' E., lat. 9° 33' N., 1,290 m., on aeroplane ground, flowers pink, Sept., No. 3978. Vernac.—*Gori-e ka halis*, *Anan ad*.

F. parviflora Boiss.—Diagn. Ser. I, 8 : 124 (1849).

ADEN : 150 m., on lava, plant with pink flowers and sub-succulent leaves, Mar., No. 5520.

F. sinaica Boiss.—Diagn. Ser. I, 1 : 61 (1842).

SOMALILAND : Dubriat Mt., long. 45° 10' E., lat. 10° 22' N., 150–420 m., limestone slopes, flowers pink, stipules spiny, plant rather viscid, Jan., No. 4793.—First record for Tropical Africa.

Kelleronia Gilletii Bak. f. in Journ. Bot. 1898 : 6.

SOMALILAND : Las Dawan, long. 45° 12' E., lat. 10° 20' N., 180 m., on stony slopes in lower open scrub, a slender shrub to 1.5 m., flowers a brilliant copper colour, bell-shaped, Jan., No. 4813. Dubriat Mt., long. 45° 10' E., lat. 10° 22' N., 210 m., in limestone ravines, a shrub to 2 m., with bright glossy yellow flowers 5 cm. in diameter, Jan., No. 4788. Vernac.—*Mija aseye*.—Endemic.

GERANIACEAE.

Monsonia biflora DC.—F.T.A. 1 : 290.

SOMALILAND : Rarele Mt., near Buramo, long. 43° 15' E., lat. 10° N., 1,800 m., among grass on gneiss slopes, flowers pale lilac or pink, Dec., No. 4731.

Geranium simense Hochst.—F.T.A. 1: 291; F.W.T.A. 1: 138.
ABYSSINIA: Kondudo Mt., long. 42° 20' E., lat. 9° 27' N.,
2,640 m., on limestone, creeping herb, flowers pale pink, Feb.,
No. 5213.

Pelargonium glechomoides A. Rich.—F.T.A. 1: 294.

SOMALILAND: Simodi, long. 43° 30' E., lat. 10° 5' N., 1,500–
1,740 m., in *Buxus-Acokanthera* scrub, flowers pink with crimson
line, Nov., No. 4569. Vernac.—*Berdid*.

P. multibracteatum Hochst. ex A. Rich.—F.T.A. 1: 293.

ABYSSINIA: Harar, long. 42° 10' E., lat. 9° 20' N., 1,740 m.,
in evergreen scrub, corolla white, Feb., No. 5045.

P. quinquelobatum Hochst. ex A. Rich.—F.T.A. 1: 293.

SOMALILAND: Hargeisa, long. 44° 1' E., lat. 9° 33' N., 1,440 m.,
limestone scarp, flowers greenish, leaves rather succulent, Sept.,
No. 4058.

OXALIDACEAE.

Oxalis corniculata Linn.—F.T.A. 1: 296.

SOMALILAND: Dobo Pass, long. 43° 15' E., lat. 10° 15' N.,
1,200 m., Feb., No. 4949.

ABYSSINIA: Harar, long. 42° 6' E., lat. 9° 18' N., 1,890 m.,
Feb., No. 5016.

LYTHRACEAE.

Lawsonia inermis Linn.—F.T.A. 1: 143.

SOMALILAND: Jalelo, long. 44° 14' E., lat. 9° 45' N., 1,080 m.,
sandy stream bank, shrub 5 m., Oct., No. 4299. Vernac.—*Elan*.

Woodfordia uniflora (A. Rich.) Koehne in Engl. Bot. Jahrb. 1:
333 (1881).

ABYSSINIA: Harar, long. 42° 8' lat. 9° 18' N., 1,830 m., on
limestone slopes, 0.3 m., flowers red, Mar., No. 5248. Vernac.—
Tutano.

Lythrum rotundifolium Hochst. ex A. Rich.—F.T.A. 2: 465.

ABYSSINIA: Galla Pass, long. 42° 19' E., lat. 9° 28' N., 2,250 m.,
on limestone, flowers pink, Mar., No. 5166.

Ammannia baccifera Linn.—F.T.A. 2: 478.

SOMALILAND: Debrawen, long. 42° 49' E., lat. 10° 20' N.,
960 m., by stream, flowers greenish, Nov., No. 4671. Vernac.—
Bi-es.

ONAGRACEAE.

Epilobium hirsutum Linn.—F.T.A. 2: 487.

ABYSSINIA: Galla Pass, long. 42° 19' E., lat. 9° 28' N., 2,250 m.,
by stream, 1.5 m., flowers rose, Feb., No. 5168.

E. stereophyllum Fresen.—F.T.A. 2: 487. *E. fissipetalum* Steud.

ABYSSINIA: Gara mulata Mts., long. 41° 45' E., lat. 9° 15' N.,
3,000 m., evergreen forest, flowers pale pink, Mar., No. 5374.

THYMELAEACEAE.

Lasiosiphon glaucus Fres.—F.T.A. 6, 1 : 230 ; F.W.T.A. 1 : 151.

ABYSSINIA : Galla Pass, long. 42° 19' E., lat. 9° 28' N., 2,400 m., on limestone in remnants of evergreen forest, graceful tree 10 m. high, flowers yellow, Feb., No. 5153.

L. somalensis (Franch.) H.H.W.Pears.—F.T.A. 6, 1 : 229.

SOMALILAND : Hargeisa, 1,290 m., on dry alluvium, flowers bright yellow, Sept., No. 4004 ; Liba Hele Mts., Wab wanak peak, long. 43° E., lat. 10° 20' N., 1,650 m., in Buxus-Juniperus scrub, ½ m. high, Dec., No. 4706. Vernac.—*Balle, Usar*.

var. *glabra* H.H.W.Pears.

SOMALILAND : Hargeisa, 1,350 m., on stony hills, flowers yellow, Sept., Nos. 4021, 4022.—Endemic.

NYCTAGINACEAE.

Commicarpus plumbagineus (Cav.) Standley in Contrib. U.S. Nat. Herb. 18 : 101 (1916). *Boerhaavia plumbaginea* Cav.—F.T.A. 6, 1 : 6 ; F.W.T.A. 1 : 153.

SOMALILAND : Hargeisa, 1,290 m., flowers white, Sept., No. 3904. Vernac.—*Ged Irman*.

ABYSSINIA : N.E. of Harar, long. 42° 16' E., lat. 9° 20' N., 1,740 m., in hedgerows and evergreen scrub, climber with white flowers, Feb., No. 5040. Vernac.—*Koko bala*.

Commicarpus verticillatus (Poir.) Standl. var. *puberulus* Hutch. et E. A. Bruce, var. nov., a typo planta ubique puberula differt.

SOMALILAND : Hargeisa, 1,410 m., flowers bright pink, leaves whitish, Oct., No. 4247. Vernac.—*Ged Irman*.—Endemic.

Boerhaavia diffusa Linn. Sp. Pl. 1 : 3 (1753).

SOMALILAND : Hargeisa, long. 44° 1' E., lat. 9° 33' N., 1,290 m., prostrate, flowers red, fruit sticky, Sept., No. 3907. Vernac.—*Ged Irman*.

B. elegans Choisy—F.T.A. 6, 1 : 3.

SOMALILAND : Junction of tugs, long. 44° 18' E., lat. 9° 57' N., 810 m., flowers pale, Oct., No. 4346.

ADEN : 210 m., flowers pinkish, Mar., No. 5493, 5497. Vernac.—*Ula aso* (Somali).

B. repens Linn.—F.T.A. 6, 1 : 4.

SOMALILAND : Hargeisa, long. 44° 1' E., lat. 9° 33' N., 1,290 m., flowers pinkish, prostrate, Sept., No. 3969. Afard, long. 44° 8' E., lat. 10° 10' N., 540 m., flowers pale pink, minute, Oct., No. 4452. Vernac.—*Kaboh Hois, Dalagh*.

B. viscosa Lag. & Rodr. in Anal. Cienc. Nat. 4 : 256 (1801).

SOMALILAND : Berbera, 90 m., flowers pink, Jan., No. 4763. Duwi, long. 44° 15' E., lat. 10° 5' N., 1,140 m., viscid, Oct., No. 4406. Vernac.—*Dalagh*.

Pittosporum abyssinicum Del.—F.T.A. 1 : 124.

SOMALILAND : Mt. Wobleh, long. 43° 17' E., lat. 10° 15' N., 1,740–1,770 m., on mountain top with *Juniperus*, tree to 5 m., seed orange red, Nov., No. 4589. Auboba, long. 43° E., lat. 10° 6' N., 1,770 m., on limestone slopes, with *Olea* etc., graceful tree 4 m., Nov., No. 4628.

ABYSSINIA : Geldid, long. 41° 48' E., lat. 9° 15' N., 2,400 m., in *Juniperus* forest, tree 6 m., flowers greenish yellow, Mar., No. 5389. Vernac.—*Gedad*.

Pittosporum lanatum Hutch. et E. A. Bruce, sp. nov. affinis *P. abyssinicae* Hochst. sed foliis vix acuminatis infra lanato-tomentosis, sepalis valde imbricatis extra tomentosum differt.

Arbor 7 m. alta ; ramuli hornotini adpresse pubescentes, circiter 5 mm. crassi. *Folia* late oblanceolata, apice obtusa vel leviter obtuse acuminata, basi angustata, 6–9 cm. longa, 2–3 cm. lata, chartacea, supra intense viridia et parce pubescentia, infra molliter lanato-tomentosa ; nervi laterales utrinsecus circiter 8, infra prominuli ; petioli 1 cm. longi, adpresse pubescentes. *Cymae* terminales, pluriflorae, ubique adpresse pubescentes ; pedicelli 3–4 mm. longi. *Sepala* valde imbricata, late ovata, 4 mm. longa, 3 mm. lata, extra tomentosa. *Petala* oblongo-oblanceolata, apice rotundata, 9 mm. longa, 3 mm. lata, basin versus trinervia, glabra. *Filamenta* 4 mm. longa ; antherae 2 mm. longae. *Ovarium* ellipsoideum, tomentosum, 3 mm. longum ; stylus glaber.

ABYSSINIA : Kondudo Mt., long. 42° 20' E., lat. 9° 27' N., 2,580 m., on limestone slopes, tree 7 m., flowers yellow, scented, 24 Feb., No. 5228 (type in Kew Herb.).

FLACOURTIACEAE.

Oncoba spinosa Forssk.—F.T.A. 1 : 115 ; F.W.T.A. 1 : 161, fig. 67.

ABYSSINIA : Gafra valley, long. 42° 13' E., lat. 9° 21' N., 1,500 m., on granite near stream, flowers white, Feb., No. 5236. Vernac.—*Akoko*.

Flacourtia hirtiuscula Oliv. forma glabra.—F.T.A. 1 : 121.

ABYSSINIA : Gafra valley, on granite near stream, tree 6 m., No. 5239.

Dovyalis abyssinica (Clos.) Warb. in Engl. Pflanzenfam. 3, 6A : 44 (1893). *Aberia abyssinica* Clos.—F.T.A. 1 : 121.

ABYSSINIA : Mulkajibri, long. 42° 16' E., lat. 9° 24' N., 1,800–2,340 m., on granite, bushy tree 5 m., flowers green, Feb., No. 5092. Vernac.—*Koshum*.

D. verrucosa Warb. l.c. *Aberia verrucosa* Hochst.—F.T.A. 1 : 121.

ABYSSINIA : Yuka, long. 41° 40' E., lat. 9° 25' N., 2,190 m., limestone slopes, in undergrowth, 2 m. high, Mar., No. 5448.—Endemic.

TAMARICACEAE.

Tamarix nilotica Ehrenb. in Linnaea 2 : 269 (1827).

SOMALILAND : near Eil Demet, long. 44° 17' E., lat. 9° 53' N., up to 980 m., sandy banks of stream, shrub 5 m., flowers white, Oct., No. 4302. Vernac.—*Dor*.

PASSIFLORACEAE.

Adenia aculeata (Oliv.) Engl. Bot. Jahrb. 14 : 375 (1892).

SOMALILAND : Buramo, long. 43° 12' E., lat. 10° 1' N., 1,170 m., climber, 29 Jan., No. 4888. Vernac.—*Lamagoia*.—Endemic.

A. venenata Forssk. Fl. Aegypt.-Arab. 77 (1775).

SOMALILAND : Boundary Pillar 93, long. 45° 9' E., lat. 8° 37' N., 990 m., large swollen stem, fruit green and red, Oct., No. 4193. Duwi Pass, long. 44° 15' E., lat. 10° 5' N., 1,050 m., among rocks, flowers cream and red, Oct., No. 4370. Weranwis valley, long. 43° 50' E., lat. 10° 15' N., 480 m., open scrub, stem succulent, Nov., No. 4528. Vernac.—*Adahi medu*.

Adenia vitifolia Hutch. et E. A. Bruce, sp. nov., affinis *A. Ellenbeckii* Harms, sed foliis crispato-pubescentibus marginibus loborum vix dentatis neque punctatis differt.

Herba basi lignosa 0.3 m. alta, erecta vel scandens; caules molliter pubescentes, costati. *Folia* digitatim partita, crispato-pubescentia, segmentis oblanceolatis marginibus undulatis usque ad 4 cm. longis nervis lateralibus infra prominentibus; petioli 2-3 cm. longi, apice biglandulosi, pubescentes. *Cirrhi* simplices, subrecti, glabri, 3.5 cm. longi. *Flores* ♂ pauci, axillares, cremei; pedicelli 5 mm. longi, apice articulati; calycis tubus longe cylindricus, 2 cm. longus, crebre et minute purpureo-maculatus; lobi 5, oblongi, apice rotundati, 5 mm. longi, intra lanati; petala spatulato-oblonga, 3 mm. longa; antherae 6 mm. longae, mucronatae; ovarii rudimentum subulatum. *Flores* ♀ non visi. *Fructus* late ellipsoideus, circiter 5 cm. longus, glaber. *Semina* compressa, ellipsoidea, 8 mm. longa, verrucosa.

SOMALILAND : Boundary Pillar 93, long. 45° 9' E., lat. 8° 37' N. 990 m., 0.3 m. high, erect or climbing, slightly poisonous, flowers, cream, 6 Oct., No. 4202 (type in Kew Herb.). Vernac.—*Dalan Ka Wareri*.

CUCURBITACEAE.

Melothria tomentosa Cogn. in DC. Monogr. Phan. 3 : 614 (1881).

ABYSSINIA : Fuyan Hunjuba, long. 42° 17' E., lat. 9° 26' N., 1,920 m., on granite, flowers cream, Feb., No. 5101.

Momordica dissecta Baker in Kew Bull. 1895 : 215.

SOMALILAND : Dobo Pass, long. 43° 15' E., lat. 10° 16' N., 960 m., on gneiss alluvium, flowers yellow, Feb., No. 4977. Vernac.—*Dombaiyod*.—Endemic.

M. Schimperiana Naud. in Ann. Sci. Nat. Ser. 5, 5 : 23 (1866).

ABYSSINIA : Kondudo Mt., long. 42° 18' E., lat. 9° 27' N., 2,100 m., on limestone, flowers white, ripe fruit yellow, Feb., No. 5106. Vernac.—*Sara*.

Cucumis dipsaceus Ehrenb.—F.T.A. 2 : 543 ; F.W.T.A. 1 : 182.
SOMALILAND : Hargeisa, long. 44° 1' E., lat. 9° 33' N., 1,290 m.,
flowers yellow, Sept., No. 3942. Vernac.—*Gombol*.

C. ficifolius A. Rich.—F.W.T.A. 1 : 182.

SOMALILAND : Boundary, long. 44° 10' E., lat. 8° 57' N., 1,290 m.,
flowers yellow, Oct., No. 4134.

Var. *echinophorus* Naud. in Ann. Sci. Nat. Ser. 4, 11 : 16 (1859).

SOMALILAND : Hargeisa, long. 44° 1' E., lat. 9° 33' N., flowers
yellow, Sept., No. 3967.

C. prophetarum Linn.—F.T.A. 2 : 545 ; F.W.T.A. 1 : 182.

SOMALILAND : Debrawen, long. 42° 49' E., lat. 10° 26' N.,
1,930 m., on stony plain, flowers yellow, Nov., No. 4651.

Citrullus vulgaris Schrad.—F.T.A. 2 : 549 ; F.W.T.A. 1 : 183.

SOMALILAND : Berbera, Mar., No. 4759. Vernac.—*Unun*.
The Water Melon.

Coccinia cordifolia Cogn.—F.W.T.A. 1 : 184, fig. 81.

SOMALILAND : Dobo Pass, long. 43° 15' E., lat. 10° 16' N.,
960 m., on gneiss alluvium, climber, flowers yellow with greenish
veins, Feb., No. 4976. Vernac.—*Ra ha ro ho*.

C. palmatisecta Kotschy in Sitzb. Head. Wien. Math.—Nat.
51 : 360, t. 4 (1865).

SOMALILAND : Auboba, long. 43° E., lat. 10° 6' N., 1,740 m.,
on alluvial soil, prostrate, flowers yellow, green veined, Nov., No.
4622. Vernac.—*Sar Gudun*.—Also in Eastern Sudan.

Coccinia quercifolia Hutch. et E. A. Bruce, sp. nov. affinis
C. sessilifoliae (Sond.) Cogn., sed foliis pinnatipartitis lobulis
apice rotundatis et mucronatis differt.

Caules graciles, e basi lignosa flavida orti, glabri, internodiis
circiter 3 cm. longis ; cirrhi simplices, graciles, circiter 4 cm. longi.
Folia sessilia, subamplexicaulia, pinnatipartita, usque ad 8 cm.
longa, lobis lateralibus utrinque circiter 3-lobatis mucronatis,
basalibus longioribus 3 cm. longis, glauco-viridia, demum laxe
verrucoso-punctata. *Flores* ♂ axillares 1-3, flavi ; pedicelli graciles,
usque ad 1.5 cm. longi ; hypanthium late turbinatum, striatum,
6 mm. longum ; calycis dentes minimi, subulati ; corolla extra
pubescens, tubo 6 mm. longo campanulato, lobis ovatis acutis
nervosis circiter 9 mm. longis ; antherae 1.5 mm. longae ; filamenta
3 mm. longa, basi corollae inserta. *Flores* ♀ solitarii ; pedicelli
crassi, 8 mm. longi ; hypanthium 2 cm. longum, cylindricum ;
corolla breviter infundibuliformis, nervosa, lobis late ovatis circiter
7 mm. longis.

SOMALILAND : Boundary Pillar 93, long. 45° 9' E., lat. 8° 37' N.,
990 m., leaves bluish, flowers yellow, 6 Oct., No. 4194 (type in
Kew Herb.). Harradigit, Apr., *James and Thrupp*.

Raphanocarpus Stefaninii Chiov. Fl. Somala 1 : 179, t. XX,
fig. 2A (1929).

SOMALILAND : Boundary Pillar 93, long. 45° 9' E., lat. 8° 37' N.,
flowers yellow, large woody rootstock, Oct., No. 4199. Vernac.—
Gusungus.—Endemic.

OCHNACEAE.

Ochna inermis (Forssk.) Schweinf. in Engl. Bot. Jahrb. 33 : 247 (1903).

SOMALILAND : near Eil Demet, long. $44^{\circ} 17' E.$, lat. $9^{\circ} 53' N.$, 930 m., lava slopes among Acacias, shrub 2 m., fr. perianth orange, Oct., No. 4305. Jifa Uri, long. $43^{\circ} 22' E.$, lat. $9^{\circ} 42' N.$, on gneiss kopje, in evergreen scrub, shrub 2 m., Jan., No. 4833.

ABYSSINIA : Gobelli, long. $41^{\circ} 59' E.$, lat. $9^{\circ} 10' N.$, 1,530 m., on granite, bush 2 m., Mar., No. 5264. Vernac.—*Oloigi* (Somali.); *Ergatanenja* (Abyss.).—Also in Eritrea and Arabia.

MYRTACEAE.

Syzygium guineense DC.—F.W.T.A. 1 : 201.

ABYSSINIA : Gapa valley, long. $42^{\circ} 13' E.$, lat. $9^{\circ} 21' N.$, 1,500 m., on granite rocks by stream, tree 5 m. high, Feb., No. 5241.

COMBRETACEAE.

Combretum aculeatum Vent.—F.T.A. 2 : 423 ; F.W.T.A. 1 : 220.

SOMALILAND : Weranwis valley, long. $43^{\circ} 50' E.$, lat. $10^{\circ} 15' N.$, 480 m., shrub 3 m., calyx red, corolla cream, Nov., No. 4530. Elmis, long. $44^{\circ} 14' E.$, lat. $10^{\circ} 20' N.$, 230 m., climber on sandy plain, Oct., No. 4496. Vernac.—*Iswud*, *Shuna shuna*.

C. collinum Fres.—F.T.A. 2 : 427 ; F.W.T.A. 1 : 220.

ABYSSINIA : Gafra valley, long. $42^{\circ} 13' E.$, lat. $9^{\circ} 21' N.$, 1,500 m., on granite in open woodland, tree 4 m., flowers cream, Feb., No. 5246.

C. ferrugineum A. Rich. Fl. Abyss. 1 : 267 (1847).

SOMALILAND : Auboba, long. $43^{\circ} E.$, lat. $10^{\circ} 6' N.$, 1,650–1,800 m., on limestone slopes, tree 7 m., Nov., No. 4623. Vernac.—*Obol*.—Also in Abyssinia.

C. molle R. Br. ex. G. Don in Trans. Linn. Soc. 15 : 431 (1827).

C. trichanthum Fres.—F.T.A. 2 : 431.

SOMALILAND : Hargeisa, long. $44^{\circ} 1' E.$, lat. $9^{\circ} 33' N.$, on rocky limestone, flowers greenish cream, Sept., No. 4051. Biyu Suldan, long. $43^{\circ} E.$, lat. $10^{\circ} 20' N.$, 1,200 m., tree 8 m., Dec., No. 4702. Vernac.—*Obol*.

Terminalia Brownei Fres.—F.T.A. 2 : 415 ; F.W.T.A. 1 : 224.

SOMALILAND : Duwi, long. $44^{\circ} 15' E.$, lat. $10^{\circ} 5' N.$, 900–1,050 m., in tree-Acacia grass community, tree 5 m., Oct., No. 4424.

ABYSSINIA : Gafra valley, long. $42^{\circ} 13' E.$, lat. $9^{\circ} 21' N.$, 1,530 m., in upper deciduous scrub, tree 10 m., Feb., No. 5072. Vernac.—*Wob* (Somali.); *Alulo* (Abyss.).

T. orbicularis Engl. & Diels in Engl. Monogr. Afr. Pfl.-Fam. 4 : 26, t. xv a (1899).

SOMALILAND : near Bohotle, long. $46^{\circ} 20' E.$, lat. $8^{\circ} 15' N.$ in *Commiphora* bush-Acacia formation, small tree, fruits bright pink, Dec., No. 4718. Vernac.—*Bisag*.—Also in Tanganyika.

T. spinosa Engl. Pflanzenw. Ost. Afr. C: 294 (1895).

SOMALILAND: near Eil Demet, long. $44^{\circ} 17' E.$, lat. $9^{\circ} 53' N.$, 990 m., edge of lava plateau, tree 5 m., fruit reddish, Oct., No. 4321. Ali Wein Mt., long. $45^{\circ} 15' E.$, lat. $10^{\circ} 24' N.$, 540 m., in limestone ravine, tree 4 m., Jan., No. 4828. Vernac.—*Hareri*.

RHIZOPHORACEAE.

Cassipourea abyssinica Alston in Kew Bull. 1925: 253.

ABYSSINIA: Galla Pass, long. $42^{\circ} 19' E.$, lat. $9^{\circ} 28' N.$, 2,400 m., in low forest on limestone slope, 4 m., flowers green, Feb., No. 5148.—Also in Eritrea and Somaliland.

HYPERICACEAE.

Hypericum lanceolatum Lam.—F.T.A. I: 156; F.W.T.A. I: 230, fig. 99.

ABYSSINIA: Galla Pass, long. $42^{\circ} 19' E.$, lat. $9^{\circ} 28' N.$, 2,400 m., rank herbage up to *Podocarpus* forest, 3 m., flowers yellow, Feb., No. 5142. Vernac.—*Mito*.

H. peplidifolium A. Rich.—F.T.A. I: 155.

ABYSSINIA: Galla Pass, long. $42^{\circ} 19' E.$, lat. $9^{\circ} 28' N.$, 2,250 m., near irrigation in *Podocarpus* forest, prostrate, flowers yellow, Feb., No. 5116. Kondudo Mt., long. $42^{\circ} 20' E.$, lat. $9^{\circ} 27' N.$, 2,790 m., marshy hollows on limestone, Feb., No. 5218.

H. Quartinianum A. Rich.—F.T.A. I: 156.

ABYSSINIA: Kondudo Mt., long. $42^{\circ} 18' E.$, lat. $9^{\circ} 27' N.$, 2,100 m., in Juniper forest, 2 m., yellow, Feb., No. 5105. Vernac.—*Riga ganze*.

TILIACEAE.

Corchorus cinerascens Defflers in Bull. Soc. Bot. Fr. 42: 300 (1895).

SOMALILAND: Afard, long. $44^{\circ} 8' E.$, lat. $10^{\circ} 10' N.$, 510 m., on sand, small shrub, 0.5 m., fls. yellow, Oct., No. 4439. Dubriat Mt., long. $45^{\circ} 10' E.$, lat. $10^{\circ} 22' N.$, 150 m., on shingly plain, 30 cm., Jan., No. 4779. Vernac.—*Adar*.—Also in Arabia.

C. depressus (Linn.) Stocks in Proc. Linn. Soc. I: 367 (1848).
C. *Antichorus Raensch*.—F.T.A. I: 263; F.W.T.A. I: 241.

SOMALILAND: Dubriat Mt., long. $45^{\circ} 10' E.$, lat. $10^{\circ} 22' N.$, 150 m., on open sand, prostrate, flowers yellow, Jan., No. 4777.

C. trilocularis Linn.—F.T.A. I: 262; F.W.T.A. I: 241.

SOMALILAND: Afard, long. $44^{\circ} 8' E.$, lat. $10^{\circ} 10' N.$, 570 m., in open scrub, fls. yellow, Oct., No. 4450. Las Dawan, long. $45^{\circ} 12' E.$, lat. $10^{\circ} 20' N.$, 180 m., Jan., No. 4811.

Grewia canescens A. Rich. Tent. Fl. Abyss. I: 86 (1847).

SOMALILAND: Hargeisa, long. $44^{\circ} E.$, lat. $9^{\circ} 35' N.$, 1,350 m., 3 m., fls. yellow, Oct., No. 4249. Near Eil Demet, long. $44^{\circ} 17' E.$, lat. $9^{\circ} 53' N.$, 960 m., on lava slopes, shrub 2 m., berries edible, Oct., No. 4320.

ABYSSINIA: south west of Harar, long. $42^{\circ} 6' E.$, lat. $9^{\circ} 17' N.$, 1,800 m., lower evergreen formation, shrub 3 m., Jan., No. 5253. Vernac.—*Aoresa* (Abyss.); *Debbih medu* (Somal.).

G. erythraea Schweinf. in Verh. Zool.-Bot. Ges. Wien 18: 671 (1868).

SOMALILAND: boundary, long. 44° 10' E., lat. 8° 57' N., 1,260 m., woody plant, fls. white, Sept., No. 4087; 4136; boundary pillar 93, long. 45° 9' E., lat. 8° 37' N., 990 m., fls. white, Oct., No. 4175; 4176; 4177. Vernac.—*Medo Ainyo*; *Tukal Lalmis*; *Karfade*.

G. fallax K. Schum. in Engl. Bot. Jahrb. 15: 116 (1893).

SOMALILAND: Kabal gabat Pass, long. 43° E., lat. 10° 20' N., 1,110 m., gneiss rocks in open wood, 3 m., fls. yellow, Dec., No. 4680. Buramo-Warieto, long. 43° 10' E., lat. 10° 2' N., up to 1,260 m., near stream beds, shrub 4 m., fls. yellow, Feb., No. 4917. Vernac.—*Debi fita widir*.

G. ferruginea Hochst. ex A. Rich.—F.T.A. 1: 251.

ABYSSINIA: Ridge S.W. of Harar, long. 42° 6' E., lat. 9° 17' N., 1,890 m., on granite in lower evergreen formation, shrub 3 m., fls. white, Mar., No. 5251. Vernac.—*Bururi*.—Also in Eritrea.

G. mollis Juss.—F.T.A. 1: 248; F.W.T.A. 1: 244.

SOMALILAND: Hargeisa, long. 42° 1' E., lat. 9° 33' N., 1,290 m., among *Aloe* in tree-Acacia formation, bush 1 m., fls. yellow, 21 Sept., No. 3940. Vernac.—*Debi ad*.

The wood is white and is used for spears, walking sticks, and props for milk vessels.

G. Schweinfurthii Burret in Engl. Bot. Jahrb. 45: 173 (1910).

SOMALILAND: Hargeisa, long. 44° 1' E., lat. 9° 34' N., 1,290 m., on stony sandstone slopes, shrub 1.5 m., fls. yellow, Sept., No. 3998. Vernac.—*Debbih medu*.—Also in Arabia.

G. tembensis Fresen. Mus. Senckenb. 2: 158 (1837).

SOMALILAND: Duwi Pass, long. 44° 15' E., lat. 10° 5' N., 1,200 m., in *Buxus-Acokanthera* scrub, shrub 4 m., fls. pale purple and white, Oct., No. 4375. Rare Mt., nr. Buramo, long. 43° 15' E., lat. 10° N., 1,800 m., on gneiss slope, shrub 2 m., fls. white, Dec., No. 4726.

ABYSSINIA: Gobelli, long. 41° 59' E., lat. 9° 10' N., 1,590 m., on granite, shrub 2 m., Mar., No. 5300. Vernac.—*Ture* (Somali).

G. tenax (Forssk.) Fiori in Agricoltura Coloniale 5: Suppl. 23, fig. 114B (1911). *G. populifolia* Vahl—F.T.A. 1: 246; Burret in Engl. Bot. Jahrb. 45: 192.

SOMALILAND: Hargeisa, long. 44° 1' E., lat. 9° 33' N., 1,290 m., fls. white, 1 m., Sept., No. 4044. Vernac.—*Duferu*.

Fls. and frt. eaten, ripe fruit called *Arsun*, fls. *Obah*, roots are used to make a poultice.

G. villosa Willd.—F.T.A. 1: 249, F.W.T.A. 1: 244, fig. 107.

SOMALILAND: Hargeisa, long. 44° 3' E., lat. 9° 33' N., 1,260 m., shrub 2 m., Sept., No. 4200. Boundary Pillar 93, No. 4215A. Vernac.—*Gomesha*.

A good feed for stock; fruit eaten by Somalis.

Sparrmania ricinocarpa (Eckl. & Zeyh.) O. Ktze. Rev. Gen. 3, 2: 26 (1893).

ABYSSINIA: Kondudo Mt., long. 42° 20' E., lat. 9° 27' N., 2,520 m., on limestone slopes, 2 m., fls. pink, Feb., No. 5209.

Triumfetta actinocarpa S. Moore in Journ. Bot. 15 : 66 (1877).
SOMALILAND : Daradoanleli tug, long. $44^{\circ} 16'$ E., lat. 10° N.,
1,080 m., in denuded tree-Acacia grass community, small shrub
0.2 m., fls. yellow, Oct., No. 4355.—Endemic.

T. flavescens Hochst. ex A. Rich.—F.T.A. 1 : 255.

SOMALILAND : about long. $44^{\circ} 15'$ E., lat. $10^{\circ} 5'$ N., 1,050–
1,200 m., No. 4397A. Barataga, long. $44^{\circ} 1'$ E., lat. $10^{\circ} 5'$ N.,
990 m., in tree-Acacia community, 1 m., fls. yellow, Oct., No. 4524.
Vernac.—*Salo weni*.

T. heterocarpa var. *glabrior* Sprague & Hutch. in Journ. Linn.
Soc. Bot. 39 : 265 (1909).

SOMALILAND : Buramo, long. $43^{\circ} 10'$ E., lat. 10° N., 1,500 m.,
in Acacia open wood, small shrub, 30 cm., fls. yellow, Jan., No. 4859.
Vernac.—*Salo weni*.—Endemic.

T. trigona Sprague & Hutch. in Journ. Linn. Soc. Bot. 39 : 263
(1909).

SOMALILAND : Duwi, long. $44^{\circ} 15'$ E., lat. $10^{\circ} 5'$ N., 1,050–
1,200 m., on fringes of *Buxus* scrub, small shrub 1 m., fls. yellow,
Oct., No. 4397. *Jebel Wotni* Mt., long. $45^{\circ} 6'$ E., lat. $10^{\circ} 18'$ N.,
on limestone, in open scrub, 0.5 m., fls. yellow, Jan., No. 4797.
Vernac.—*Salo weni*.—Endemic.

STERCULIACEAE.

Dombeya Bruceana A. Rich.—F.T.A. 1 : 229 ; K. Schum. in
Engl. Pflanzenfam. Sterculiaceae, 22.

ABYSSINIA : Gara mulata Mt., long. $41^{\circ} 48'$ E., lat. $9^{\circ} 12'$ N.,
2,550–2,820 m., evergreen forest, limestone slopes, tree to 10 m.,
with white flowers, Mar., No. 5309.

Melhania Kelleri Schinz in Bull. Herb. Bois. Ser. II : 1008 (1902).

SOMALILAND : Boundary Pillar 93, long. $45^{\circ} 9'$ E., lat. $8^{\circ} 37'$ N.,
990 m., on heavily grazed ground, flowers pale yellow, Oct., No.
4209.—Endemic.

M. Denhamii R.Br.—F.T.A. 1 : 234 ; F.W.T.A. 1 : 248 ;
Chiov. Fl. Somal. 103 ; Engl. Monogr. Pflanzenfam. Sterculiaceae,
15.

SOMALILAND : Hargeisa, long. $44^{\circ} 1'$ E., lat. $9^{\circ} 33'$ N., 1,290 m.,
on dry alluvium, flowers yellow, Sept., No. 4003.

Dobo Pass, long. $43^{\circ} 15'$ E., lat. $10^{\circ} 15'$ N., 1,140 m., in open
wood on gneiss hills, involucre bracts reddish, Feb., No. 4974.

M. Phillipsiae Bak. f. in Journ. Bot. 1898 : 4.

SOMALILAND : Buramo, Varieto tug, long. $43^{\circ} 10'$ E., 1,080 m.,
lat. $10^{\circ} 2'$ N., on gneiss hills and in Acacia open wood, flowers
yellow, Jan., No. 4908.—Endemic.

M. muricata Balf. f. in Proc. Roy. Soc. Edinb. 11 : 503 (1882).

SOMALILAND : Boundary Pillar 93, long. $45^{\circ} 9'$ E., lat. $8^{\circ} 37'$
N., 990 m., fls. pale yellow, Oct., No. 4213. Vernac.—*Burbur*
(crumbs).—Also in Socotra.

M. rotundata Hochst.—F.T.A. 1: 230; K. Schum. in Engl. l.c. 4.
SOMALILAND: Mt. Wobleh, long. 43° 17' E., lat. 10° 15' N.,
990 m., gneiss slopes and Acacia open wood, ½ m. high with yellow
flowers, Feb., No. 4992.—Also in Abyssinia.

Hermannia boranensis K. Schum. in Engl. Bot. Jahrb. 33:
311 (1903).

SOMALILAND: Afard, long. 44° 8' E., lat. 10° 10' N., 600 m.,
on schist slopes in open scrub, small shrub 1 m., fls. yellow, Oct.,
No. 4447. Vernac.—*Salo weni*.—Endemic.

Waltheria indica Linn. *W. americana* Linn.—F.T.A. 1: 235;
F.W.T.A. 1: 250; K. Schum. in Engl. l.c. 45; Chiov. Fl.
Somal. 105.

SOMALILAND: Barataga, long. 44° 1' E., lat. 10° 5' N., 480 m.,
flowers yellow, Oct., No. 4527.

ABYSSINIA: Gafra Valley, long. 42° 13' E., lat. 9° 21' N., 1,500 m.,
in deciduous scrub formation on granite slopes, Feb., No. 5067.

Sterculia arabica (R.Br.) T. Anders. ex Blatter Fl. Aden, 127
(1915).

ADEN: 150–450 m., in sub-desert on lava crags, small tree
4 m., stem with purple blotches, fls. yellow, 21 March, No. 5476.—
Also in Socotra.

S. Rivae Chiov. Fl. Somal. 103 (1929). *S. Triplaca* var. *Rivaei*
K. Schum. in Engl. l.c. 106.

SOMALILAND: Buramo, Varieto-tug, long. 43° 10' E., lat.
10° 2' N., 1,050–1,200 m., in Acacia open woodland and on steep
gneiss slopes, tree 6 or 7 m., bark white with purple blotches,
perianth crimson at base and green at apex in bud, later yellowish-
green, young fruit crimson, Jan., No. 4900; Hargeisa, long. 44° E.,
lat. 9° 35' N., 1,380 m., on sandstone rocks, wood soft, bark papery,
fruit eaten by Somalis, Jan., No. 4260. Vernac.—*Garaho*.

MALVACEAE.

Abutilon angulatum Mast.—F.T.A. 1: 183; F.W.T.A. 1: 261.

ABYSSINIA: Yuka, long. 41° 40' E., lat. 9° 27' N., 1,980 m.,
on limestone in cleared Juniper forest, shrub 1.5 m. high, fls. white
with purple centre, Mar., No. 5460.

A. bidentatum Hochst.—F.T.A. 1: 186.

SOMALILAND: Hargeisa, long. 44° 1' E., lat. 9° 33' N., 1,290 m.,
level ground in Tree Acacia formation, woody herb ½ m. high,
flowers yellow, Sept., No. 3923. Boundary, long. 44° 10' E., lat.
8° 57' N., 1,290 m., Oct., No. 4131. Buramo, long. 43° 10' E.,
lat. 10° 2' N., 1,200 m., Feb., No. 4916. Dobo Pass, long. 43° 15'
E., lat. 10° 16' N., 960 m., on alluvial gneiss in Acacia open wood,
flowers golden yellow, Feb., No. 4975. Vernac.—*Balumbal*.

A. fruticosum Guill. & Perr.—F.T.A. 1: 187; F.W.T.A. 1: 261.

SOMALILAND: Boundary at long. 44° 10' E., lat. 8° 57' N.,
1,260 m., moist places, fls. yellow, 29 Sept., No. 4089. Duwi,
long. 44° 15' E., lat. 10° 5' N., 840–990 m., Oct., No. 4387. Near
Buramo, long. 43° 10' E., lat. 10° N., 1,500 m., Nov., No. 4602;
No. 4907. Vernac.—*Wana-ad*.

A. molle Baker in Kew Bull. 1895 : 212.

SOMALILAND : Boundary Pillar, long. $45^{\circ} 9' E.$, lat. $8^{\circ} 37' N.$, 990 m., in shade of bush, $\frac{1}{2}$ m. high, flowers yellow with a crimson eye, Oct., No. 4161.—Vernac.—*Balumbal*.—Endemic.

A. ramosum Guill. and Perr.—F.T.A. 1 : 186 ; F.W.T.A. 1 : 261.

SOMALILAND : Hargeisa, long. $44^{\circ} 1' E.$, lat. $9^{\circ} 33' N.$, 1,290 m., level ground in tree Acacia formation, 1 m. high, flowers yellow, Sept., No. 3922.—Vernac.—*Balumbal*.

Sida ovata Forssk. Fl. Arab. 124, No. 84 (1775). *Sida grewioides* Guill. and Perr.—F.T.A. 1 : 182. F.W.T.A. 1 : 263.

SOMALILAND : Boundary, long. $44^{\circ} 10' E.$, lat. $8^{\circ} 57' N.$, 1,260 m., in *Acacia Bussei* association, flowers yellow, Sept., No. 4090.

S. rhombifolia Linn.—F.T.A. 1 : 181 ; F.W.T.A. 1 : 263.

SOMALILAND : Hargeisa, long. $44^{\circ} 1' E.$, lat. $9^{\circ} 33' N.$, 1,290 m., on level ground in tree Acacia formation, flowers yellow, Sept., No. 3925.

S. Schimperiana Hochst.—F.T.A. 1 : 180.

ABYSSINIA : Harar, long. $42^{\circ} 6' E.$, lat. $9^{\circ} 18' N.$, 1,920 m., limestone to open grass in evergreen scrub formation, flowers yellow, 17 Feb., No. 5024.

S. triloba Cav.—F.T.A. 1 : 179.

ABYSSINIA : Galla Pass, long. $42^{\circ} 19' E.$, lat. $9^{\circ} 28' N.$, 2,400 m., on close-grazed grass beneath trees, flowers and fruit white, Feb., No. 5163.

Pavonia arabica Hochst.—F.T.A. 1 : 193.

SOMALILAND : near Aleyalale, long. $44^{\circ} 16' E.$, lat. $10^{\circ} N.$, 1,080 m., among stones on lava plateau, dwarf, fls. pink, Oct., No. 4357. Buramo, Warieto, long. $43^{\circ} 10' E.$, lat. $10^{\circ} 2' N.$, 1,080 m., on gneiss hills, Jan., No. 4909.

P. Burchellii (DC.) R. A. Dyer in Kew Bull. 1932 : 152.

SOMALILAND : Debrawen, long. $43^{\circ} 10' E.$, lat. $10^{\circ} 5' N.$, 990 m., on limestone alluvium in Acacia thicket, shrub 0.5 m., fls. yellow, Feb., No. 4941. Boundary, long. $44^{\circ} 10' E.$, lat. $8^{\circ} 57' N.$, Feb., No. 4112. Vernac.—*Balumbal*, *Salo-weni*.

ABYSSINIA : Haramaia, long. $42^{\circ} E.$, lat. $9^{\circ} 24' N.$, 1,980 m., in hedges, fls. yellow, Mar., No. 5472.

P. Hildebrandtii Gürke in Engl. Bot. Jahrb. 48 : 371 (1912).

SOMALILAND : Buramo, long. $43^{\circ} 10' E.$, lat. $10^{\circ} N.$, 1,500 m., on gneiss slopes, in open Acacia wood, fls. cream, turning pink, Jan., No. 4861.—Endemic.

P. Kotschyi Hochst.—F.T.A. 1 : 192 ; F.W.T.A. 1 : 264.

SOMALILAND : Dobo Pass, long. $43^{\circ} 15' E.$, lat. $10^{\circ} 15' N.$, 1,140 m., open wood on gneiss slopes, fls. lemon yellow, Feb., No. 4973.

P. Schimperiana Hochst. var. *tomentosa* Ulbr. in Engl. Bot. Jahrb. 57 : 109 (1920).

ABYSSINIA : Harar, long. $42^{\circ} 10'$ E., lat. $9^{\circ} 20'$ N., 1,740 m., near stream in grass among evergreen scrub, fls. pink, Feb., No. 5034. Yuka, long. $41^{\circ} 40'$ E., lat. $9^{\circ} 25'$ N., 2,310 m., on limestone near stream in open Podocarpus forest, 2 m. high, Mar., No. 5443. Vernac.—*Ablalati*.

P. Sennii Chiov. Fl. Somalia 2 : 23, fig. 8 (1932).

SOMALILAND : Elmis, long. $44^{\circ} 14'$ E., lat. $10^{\circ} 20'$ N., 230 m., on sandy plains in desert-grass formation, suffruticose with white flowers, Oct., No. 4487.—Endemic.

P. zeylanica (L.) Cav.—F.T.A. 1 : 192 ; F.W.T.A. 1 : 263.

SOMALILAND : Boundary Pillar 93, long. $45^{\circ} 9'$ E., lat. $8^{\circ} 37'$ N., 990 m., fls. pale yellow, Oct., No. 4186. Buramo, Dumuk tug, long. $43^{\circ} 12'$ E., lat. $10^{\circ} 1'$ N., 1,200 m., on sandy bank, viscid, Jan., No. 4893.

Cienfuegosia Ellenbeckii Gürke in Engl. Bot. Jahrb. 33 : 381 (1903).

SOMALILAND : Biji, long. $44^{\circ} 5'$ E., lat. $10^{\circ} 12'$ N., 540 m., at top of schist mountain in open Commiphora scrub, a slender shrub to 1 m., flowers yellowish red, Oct., No. 4507.

C. Welshii (T. Ands.) Garcke in Eichl. Jahrb. Bot. Gart. Berl. 2 : 337 (1883).

SOMALILAND : Hargeisa, long. $44^{\circ} 1'$ E., lat. $9^{\circ} 33'$ N., 1,290 m., on sandy ground by dry stream bed, flowers yellow, aromatic, Oct., No. 4239 ; 1,350 m., flat spot on hills north of Hargeisa, Sept., No. 4030.—Also in Arabia.

Hibiscus asper Hk. f. Niger Fl. 228 ; F.W.T.A. 1 : 268.

SOMALILAND : Jihu hills, long. $43^{\circ} 15'$ E., lat. 10° N., 1,200 m., small shrub, 2 m. high, flowers yellow, Nov., No. 4601. Vernac.—*Edi-libah*.

H. calycinus Willd.—F.T.A. 1 : 202.

SOMALILAND : Hargeisa, long. $44^{\circ} 3'$ E., lat. $9^{\circ} 33'$ N., 1,260 m., in shade of Acacias near the river, flowers yellow with dark crimson centre, Sept., No. 4069. Vernac.—*Salo weni*.

H. crassinervius Hochst.—F.T.A. 1 : 205.

ABYSSINIA : Yuka, long. $41^{\circ} 40'$ E., lat. $9^{\circ} 27'$ N., 1,980 m., on limestone slopes in open evergreen scrub, small shrub 2 m. high, flowers scarlet, Mar., No. 5450.

H. Hildebrandtii Sprague & Hutch. in Kew Bull. 1907 : 46.

SOMALILAND : Hargeisa, long. $44^{\circ} 1'$ E., lat. $9^{\circ} 33'$ N., 1,290 m., level ground among aloes in Tree Acacia formation, 1 m. high, flowers scarlet, berries edible, Sept., No. 3936. Vernac.—*Mira-gel-jira*.

H. Ludwigii Eckl. & Zeyh.—F.T.A. 1 : 203.

ABYSSINIA : Gara mulata Mt., long. $41^{\circ} 48'$ E., lat. $9^{\circ} 12'$ N., 2,580 m., on limestone slopes in Juniper-Podocarpus forest, woody herb 3 m., flowers yellow with dark red mark at base of petal, Mar., No. 5340.

H. lunariifolius Willd.—F.T.A. 1: 202; F.W.T.A. 1: 268.
Hibiscus dongolensis Del.

SOMALILAND: Duwi, long. 44° 15' E., lat. 10° 5' N., 1,050 m., among rocks in tree-acacias-grass community, flowers yellow with dark crimson centre, Oct., No. 4366. Vernac.—*Mira gel jira*.

H. micranthus Linn.—F.T.A. 1: 205.

SOMALILAND: Duwi, long. 44° 12' E., lat. 10° 8' N., 690 m., flowers pink, Oct., No. 4442. Vernac.—*Mira gel Jira*.

H. somalensis Franch. in Réveil Pays Comalis 16 (1882).

SOMALILAND: Boundary, long. 44° 10' E., lat. 8° 5' N., 1,260 m., in moister places, flowers scarlet, Sept., No. 4086. Vernac.—*Mira gel jira*.

H. spartioides Chiov. Fl. Somala 99, tab. 3: 2 (1929).

SOMALILAND: Boundary Pillar 93, long. 45° 9' E., lat. 8° 37' N., 990 m., flowers scarlet, Oct., No. 4205. Vernac.—*Ged medu*.—Endemic.

H. vitifolius Linn.—F.T.A. 1: 197.

ABYSSINIA: Haramaia, long. 42° E., lat. 9° 24' N., 1,980 m., erect to 2 m., flowers lemon yellow, Mar., No. 5473.

Lavatera abyssinica Hutch. et E. A. Bruce, sp. nov. affinis *L. unguiculatae* Desf., sed floribus axillaribus fasciculatis, epicalyce profunde lobato differt.

Suffrutex ad 2 m. altus, ubique stellato-tomentellus; internodia circiter 4 cm. longa. Folia ambitu pentagona, 5-lobata, circiter 4 cm. longa et lata, basi cordata, lobis anguste ovatis, irregulariter dentata, nervis infra prominentibus; petioli 3-4 cm. longi; stipulae oblique ovatae, 1 cm. longae, striato-nervosae. Flores rosei, carmineo-lineati, axillares, fasciculati vel rare subsolitarii; pedicelli ad 2 cm. longi. Epicalycis lobi 3, ovati, subacuti, 5 mm. longi. Calyx late campanulatus, ad medium 5-lobatus, 1 cm. longus, lobis ovato-triangularibus acuminatis. Petala pallide rosea, purpureo-lineata, obovata, 2 cm. longa, 1 cm. lata, unguiculata, unguibus dense ciliatis. Columna staminalis 1 cm. longa, infra antheras leviter pubescens. Styli purpurascens, 4 mm. exserti. Carpella fructu circiter 15, glabra.

ABYSSINIA: Slopes of Mt. Sarerta, long. 42° 19' E., lat. 9° 20' N., 2,400 m., rank herbage scrub to Podocarpus forest, plant 2 m. high, with pale pink flowers, 23 Feb., No. 5195 (type in Kew Herb.). Vernac.—*Liti ada* (Galla).

The first record of this genus for Tropical Africa.

Malva parviflora Linn.—F.T.A. 1: 177.

SOMALILAND: Dobo Pass, long. 43° 15' E., lat. 10° 15' N., 1,200 m., on gneiss hills and in Acacia open wood, petals white below, pink in the upper part, Feb., No. 4970.

MALPIGHIACEAE.

Caucanthus edulis Forssk. Fl. Aegypt.-Arab. 91, n. 78 (1775).

SOMALILAND: Boundary Pillar 93, long. 45° 9' E., lat. 8° 37' N., 990 m., in Commiphora-Acacia open scrub, flowers white, shrub Oct. No. 4150. Vernac.—*Marmarad*.—Also in Arabia.

EUPHORBIACEAE.

Phyllanthus Hildebrandtii Pax.—F.T.A. 6, 1: 707.

SOMALILAND: Dobo Pass, long. 43° 15' E., lat. 10° 15' N., 1,200 m., in open Acacia wood and crannies of gneiss rocks, flowers greenish-cream, Feb., No. 4957.—Endemic.

P. maderaspatensis Linn.—F.T.A. 6, 1: 722; F.W.T.A. 1: 291.

SOMALILAND: Hargeisa, 1,440 m., on top of rocky hill (limestone), flowers greenish, Sept., No. 4025.

P. meruensis Pax—F.T.A. 6, 1: 704.

ABYSSINIA: Gara mulata Mt., long. 41° 48' E., lat. 9° 12' N., 2,700 m., in evergreen forest, stems red, March, No. 5300.

P. Niruri Linn.—F.T.A. 6, 1: 731; F.W.T.A. 1: 291.

SOMALILAND: Las Dawan, long. 45° 12' E., lat. 10° 20' N., 180 m., in sandy bed of small tug, flowers greenish, Jan., No. 4812.

P. pentandrus Schum. & Thonn.—F.T.A. 6, 1: 710; F.W.T.A. 1: 291.

SOMALILAND: Hargeisa, 1,440 m., on limestone escarpment, flowers greenish, Sept., No. 4060; Boundary, long. 44° 10' E., lat. 8° 57' N., 1,290 m., Oct., No. 4118; Dubriat Mt., long. 45° 10' E., lat. 10° 22' N., 210 m., Jan., No. 4792; Buramo-Warieto tug, long. 43° 10' E., lat. 10° 2' N., 1,080 m., on gneiss hills in Acacia open wood, flowers reddish, Jan., No. 4912.

P. reticulatus Poir.—F.T.A. 6, 1: 700; F.W.T.A. 1: 290.

ABYSSINIA: Yuka, long. 41° 40' E., lat. 9° 27' N., 1,710 m., in evergreen scrub by stream bed, on limestone, climbing to 4 m., flowers cream and red, March, No. 5454.

Fluggea virosa Baill.—F.W.T.A. 1: 291.

SOMALILAND: Duwai, long. 44° 15' E., lat. 10° 5' N., 1,200 m., in *Buxus-Acokanthera* scrub, shrub 2 m., flowers greenish, Oct., No. 4382.

ABYSSINIA: near Gobelli, long. 41° 59' E., lat. 9° 10' N., 1,680 m., on granite, March, No. 5257. Vernac.—*Elan-Damera* (Somali).

Croton confertus Baker in Kew Bull. 1895: 186.

SOMALILAND: Ali Wein Mt., long. 45° 15' E., lat. 10° 24' N., 540 m., in stony torrent-bed of limestone ravine, shrub 1 m. high, aromatic, flowers greenish, Jan., No. 4829.—Also in Arabia.

Croton Cliffordii Hutch. et E. A. Bruce, sp. nov. affinis *C. somalensi* Vatke et Pax, sed foliis plerumque ellipticis neque basi subcordatis nec apice acuminatis petiolis gracilioribus differt.

Frutex communis 1 m. altus; ramuli hornotini dense lepidostellati. Folia elliptica vel subovato-elliptica, basi rotundata et glandulis sessilibus ornata, apice obtusa vel rotundata, 3-5.5 cm. longa, 1.5-3 cm. lata, integra, leviter discoloria, supra viridia et molliter stellato-tomentella, infra cinereo-stellato-tomentella praecipue in costa media brunneo-lepidota, nervis lateralibus inconspicuis utrinsecus circiter 4; petioli graciles, usque 3.5 cm. longi. Racemi bisexuales, terminales, perbreves, basi flore ♀ pedicellato solitario. Flores masculi: pedicelli 3 mm. longi; sepala ovato-triangularia, 3.5 mm. longa, extra stellato-tomentosa; petala sepalis leviter

longiora, anguste oblanceolata, pubescentia; stamina 10. *Flores foeminei*: pedicelli crassi, 1.5 mm. longi; sepala anguste ovato-triangularia, 3 mm. longa; petala 0; ovarium globosum, stellato-tomentosum; styli 4 mm. longi, bilobi, basin versus pubescentes.

SOMALILAND: Hargeisa, 1,290 m., common shrub 1 m. high among Acacias, flowers greenish, Sept., No. 4040 (type in Kew Herb). Vernac.—*Bahī-e*.

C. macrostachys Hochst.—F.T.A. 6, 1: 772; F.W.T.A. 1: 297.

ABYSSINIA: Mulkajibri, long. 42° 16' E., lat. 9° 24' N., 1,770 m., in hedges, tree 7 m. high, dioecious, Feb., No. 5088. Vernac.—*Bisana*.

Cluytia abyssinica Jaub. & Spach.—F.T.A. 6, 1: 807.

ABYSSINIA: Galla Pass, long. 42° 19' E., lat. 9° 28' N., 2,340 m., in rank herbage, 1 m. high, fls. greenish, Feb., No. 5139.

Jatropha Brockmannii Hutch.—F.T.A. 6, 1: 787.

SOMALILAND: Wobleh, long. 43° 17' E., lat. 10° 15' N., 1,500 m., on bare mountain slopes with scattered tree acacias, plant reddish, flowers yellow, Nov., No. 4588. Vernac.—*Jilbadig, Gedan*.—Endemic.

J. glandulosa Vahl—F.T.A. 6, 1: 793.

SOMALILAND: Berbera, sea level, in sub-desert and sand above coral rock island, 1 m. high, fls. and juice yellow, Jan., No. 4752. Vernac.—*Jilbadig*.—Also in Nubia, Eritrea and S. Arabia.

J. palmatifida Bak.—F.T.A. 6, 1: 787.

SOMALILAND: Hargeisa, 1,350 m., flowers greenish-yellow, Oct., No. 4245. Vernac.—*Jilbadig, Gedan*.—Endemic.

J. Phillipseae Rendle—F.T.A. 6, 1: 795.

SOMALILAND: Duwi, long. 44° 15' E., lat. 10° 5' N., 840 m., among Commiphora, etc., scrub on stony slopes, small shrub 1 m. high, fls. greenish, Oct., No. 4391. Vernac.—*Jilbadig, Ged An*.—Endemic.

J. spinosa (Forssk.) Vahl ex Blatter Fl. Aden, 330 (1915).

ADEN: 150–450 m., on lava slopes, shrub 1.5 m. high, flowers yellow, Mar., No. 5479.

var. *somalensis* Pax—F.T.A. 6, 1: 780.

SOMALILAND: Elmis, long. 44° 14' E., lat. 10° 22' N., 300–600 m., on mountain slopes in Commiphora, etc., open scrub, shrub 2 m. high, fls. yellow, Oct., No. 4497; Afard, long. 44° 8' E., lat. 10° 10' N., 540 m., Oct., No. 4457. Vernac.—*Jilbadig, Ged An*.

J. parvifolia Chiov. Nuov. Contrib. Somal. Ital. 18 (1934).

SOMALILAND: Dubriat Mt., long. 48° 10' E., lat. 10° 22' N., 300 m., on limestone slopes and in open scrub, fls. yellowish, Jan., No. 4795; Boundary Camp, 99, long. 44° 39' E., lat. 8° 47' N., 1,140 m., in deep soil, bush ½ m. high, very aromatic, Oct., No. 4138. Vernac.—*Jilbadig*.—Endemic.

Chrozophora oblongifolia (Del.) A. Juss.—F.T.A. 6, 1: 836.

SOMALILAND: Biji, long. 44° 5' E., lat. 10° 12' N., 420 m., in sand by big tug, strong woody herb 1 m. high, fls. greenish, Oct., No. 4514. Vernac.—*Mara mudo weyi*.—Also in Eritrea, Arabia and Socotra, and in Scind (India).

Erythrococca abyssinica Pax—F.T.A. 6, 1: 856.

ABYSSINIA: Harar, long. 42° 10' E., lat. 9° 20' N., 1,740 m., in hedges and evergreen scrub cultivation, 1 m. high, fls. greenish, Feb., No. 5046. Vernac.—*Ogomdil*—Also in Eritrea and Arabia.

Acalypha fruticosa Forssk.—F.T.A. 6, 1: 895.

SOMALILAND: Hargeisa, 1,290 m., on alluvium in shade of *Acacia-Ziziphus* thicket, shrub 1 m. high, infl. green, Sept., No. 3961. Vernac.—*Dirrhi*.

A. indica Linn.—F.T.A. 6, 1: 903.

SOMALILAND: Daraweina, long. 44° 10' E., lat. 9° 43' N., 1,110 m., in grass in shade of trees, Oct., No. 4288.

Ricinus communis Linn.—F.T.A. 6, 1: 945; F.W.T.A. 1: 306.

SOMALILAND: near Eil Demet, long. 44° 17' E., lat. 9° 53' N., 930 m., on river banks, shrub 3 m. high, Oct., No. 4306. Vernac.—*Bor*.

Tragia arabica Baill. var. *parvifolia* Prain—F.T.A. 6, 1: 982.

SOMALILAND: Duwi Pass, long. 44° 15' E., lat. 10° 5' N., 1,200 m., in *Buxus-Acokanthera* scrub, a climbing, stinging herb, Oct., No. 4374. Vernac.—*Dubka*.

T. brevipes Pax—F.T.A. 6, 1: 983.

SOMALILAND: Hargeisa, 1,290 m., on alluvium in *Acacia-Euphorbia* thickets, a climber with greenish fls. and stinging leaves, Mar., No. 3963. Vernac.—*Gob daheyo*.

Cephalocroton cordofanus Hochst.—F.T.A. 6, 1: 844.

SOMALILAND: Boundary Pillar 93, long. 45° 9' E., lat. 8° 37' N., 990 m., shrublet, fls. greenish-yellow, Oct., No. 4182. Vernac.—*Chimba*.

Euphorbia breviarticulata Pax—F.T.A. 6, 1: 582. *E. grandilobata* Chiov.

SOMALILAND: Barataga, long. 44° 1' E., lat. 10° 5' N., 1,290 m., on mountain top with scattered *Buxus*, $\frac{1}{2}$ m. high, flowers yellow, Oct., No. 4519. Vernac.—*Dibu*.

E. cuneata Vahl—F.T.A. 6, 1: 545.

SOMALILAND: Afard, long. 44° 8' E., lat. 10° 10' N., 540 m., in *Commiphora-bush-Acacia* etc., open scrub on schist slopes, shrub with papery bark which peels off, flowers yellow, Oct., No. 4478. Aden, 210 m., on lava slopes, Mar., No. 5481. Vernac.—*Derender* (Somali).

E. gossypina Pax—F.T.A. 6, 1: 553.

SOMALILAND: Jebel Wotni Mt., long. 45° 6' E., lat. 10° 18' N., 360 m., on limestone slopes, $\frac{1}{2}$ m. high, Jan., No. 4804. Vernac.—*En*.

E. grandis Lem.—F.T.A. 6, 1: 590.

SOMALILAND: Duwi, long. 44° 15' E., lat. 10° 5' N., 1,230 m., in *Buxus* scrub, occurs very sparingly on limestone, tree 8m., flowers yellow, fruits coppery-red when ripe, Oct., No. 4414. Vernac.—*Hasadin*.

E. granulata Forssk.—F.T.A. 6, 1: 502.

SOMALILAND: Dubriat Mt., long. 45° 10' E., lat. 10° 22' N., 150 m., on limestone scree in lower open scrub, prostrate herb, flowers brown minute, glands red, Jan., No. 4780.

E. infausta N.E. Br.—F.T.A. 6, 1: 580.

SOMALILAND: Wobleh, long. $43^{\circ} 17' E.$, $10^{\circ} 15' N.$, 1,200 m., on south-facing Mt. slopes with Commiphora etc. open scrub, succulent 1 m. high, flowers yellow, Nov., No. 4584. Vernac.—*Dibu*.—Also in Eritrea.

E. inaequispina N.E. Br.—F.T.A. 6, 1: 576.

SOMALILAND: Hargeisa, 1,410 m., 0.5 m. succulent, fls. yellow, Oct., No. 4256. Hargeisa, 1,410 m., on sandstone rocks, succulent $\frac{1}{2}$ m. high, fls. yellow, Oct., No. 4256; Raréle Mt., long. $43^{\circ} 15' E.$, lat. $10^{\circ} N.$, 1,800 m., Dec., No. 4729. Vernac.—*Dadan*.—Endemic.

E. longecornuta Pax—F.T.A. 6, 1: 535.

ABYSSINIA: Gara mulata Mt., long. $41^{\circ} 48' E.$, lat. $9^{\circ} 12' N.$, 2,700 m., rank herbage to evergreen forest, stems red, Mar., No. 5298, No. 5339.

E. longetuberculosa Hochst.—F.T.A. 6, 1: 558.

SOMALILAND: Afard, long. $44^{\circ} 8' E.$, lat. $10^{\circ} 10' N.$, 540 m., on schist slopes in Commiphora open scrub, fls. yellow and red, Oct., No. 4453. Vernac.—*Ged ambar*.

E. monacantha Pax—F.T.A. 6, 1: 565.

SOMALILAND: Duwi Pass, long. $44^{\circ} 15' E.$, lat. $10^{\circ} 5' N.$, 1,080 m., in tree acacia grass and rocky places, fls. yellow, Oct., No. 4379. Vernac.—*Donedugh*.

E. nigrispina N.E. Br.—F.T.A. 6, 1: 574.

SOMALILAND: near Duwi, long. $44^{\circ} 12' E.$, lat. $10^{\circ} 8' N.$, 660 m., level sandy ground with Acacia, shrub $\frac{1}{2}$ m. high, fls. yellow, Oct., No. 4440; near Eil Demet, long. $44^{\circ} 17' E.$, lat. $9^{\circ} 53' N.$, 990 m., on lava rocks, 2 dm. high, fls. yellow, stem 4-5 angled, Oct., No. 4308. Vernac.—*Dibu*.—Endemic.

E. nubica N.E. Br.—F.T.A. 6, 1: 554.

SOMALILAND: Hargeisa, 1,290 m., on level ground with aloes and acacias, 3 m. high, dominant, Sept., No. 3950. Vernac.—*Ergin*.

E. polyacantha Boiss.—F.T.A. 6, 1: 578.

ABYSSINIA: Kofajalo, long. $41^{\circ} 51' E.$, lat. $9^{\circ} 9' N.$, 2,250 m., on limestone in Juniper-forest association, shrub 2 m. high, fls. yellow, fruit purplish-green, Mar., No. 5275.—Endemic.

E. polycremoides Hochst.—F.T.A. 6, 1: 506.

SOMALILAND: Afard, long. $44^{\circ} 8' E.$, lat. $10^{\circ} 10' N.$, 690 m., on basalt rocks in Commiphora open scrub, Oct., No. 4451. Buramo-Warieto tug, long. $43^{\circ} 10' E.$, lat. $10^{\circ} 2' N.$, 1,080 m., stems reddish, Jan., No. 4910.

E. pseudoholstii Pax—F.T.A. 6, 1: 521.

SOMALILAND: Boundary Pillar 93, long. $45^{\circ} 9' E.$, lat. $8^{\circ} 37' N.$, 990 m., rather bare ground, Oct., No. 4221. Vernac.—*En*.—Endemic.

E. Robecchii Pax—F.T.A. 6, 1: 583.

SOMALILAND: Burmado, long. $43^{\circ} 50' E.$, lat. $10^{\circ} 13' N.$, 810 m., on mt. slopes in upper Commiphora and open scrub, tree to 4 m. high, fls. yellow, Nov., No. 4538. Vernac.—*Darkain*.—Endemic.

E. rubella Pax—F.T.A. 6, 1: 560.

ABYSSINIA: Harar, long. $42^{\circ} 6' E.$, lat. $9^{\circ} 18' N.$, 1,950 m., limestone mountains in evergreen forest formation, leafless, inflorescence pale pink, Feb., No. 5007.—Endemic.

E. scoparia N.E. Br.—F.T.A. 6, 1: 557.

SOMALILAND: Barataga, long. $44^{\circ} E.$, lat. $10^{\circ} 5' N.$, 1,290 m., Mt. top in scattered Buxus scrub and on limestone, 1 m. high, fls. yellow, Oct., No. 4521. Bir Dai, long. $44^{\circ} 17' E.$, lat. $9^{\circ} 55' N.$, 870 m., on dry alluvial soil in upper Commiphora etc. open scrub, shrub 8 m. high, fls. yellow, floral bracts white, conspicuous, Oct., No. 4342. Vernac.—*Mirhig yer, Mirhig.*

E. somalensis Pax—F.T.A. 6, 1: 550.

SOMALILAND: Duwi, long. $44^{\circ} 15' E.$, lat. $10^{\circ} 5' N.$, 840–960 m., on steep rocky slopes in Commiphora scrub, very common in heavily grazed parts, shrub 3 m. high, leaves grey, Oct., No. 4384. Vernac.—*Falla Falla.*—Endemic.

E. systyla Edgew.—F.T.A. 6, 1: 519.

ADEN: 150 m., on lava slopes, 40 cm. high, fls. dark red, Mar., No. 5483.—Also in Somaliland and Arabia.

E. Thi Schweinf.—F.T.A. 6, 1: 581.

SOMALILAND: Afard, long. $44^{\circ} 8' E.$, lat. $10^{\circ} 10' N.$, 600 m., on slopes with Commiphora and in open scrub, shrub 2 m. high, fls. yellow, Oct., No. 4480. Vernac.—*Dibu.*

E. triaculeata Forssk.—F.T.A. 6, 1: 564.

SOMALILAND: Hargeisa, a common succulent in stony places, fls. yellow, stem mottled, Oct., No. 4268; Afard, 510 m., Oct., No. 4482.

E. turbiniformis Chiov. Fl. Somala 304, tab. 35, fig. 1 (1929) (ex descr. et ic.).

SOMALILAND: Hargeisa, 1,350 m., on stony ground, limestone and sandstone, a succulent, top flush with ground, fls. yellow, sap smelling of coconut, Oct., No. 4241.—Endemic.

ROSACEAE.

Alchemilla cryptantha Steud.—F.T.A. 2: 377.

ABYSSINIA: Near Kofajalo, long. $46^{\circ} 51' E.$, lat. $9^{\circ} 9' N.$, 2,310 m., by stream in open place of Podocarpus forest association, prostrate herb, fls. greenish yellow, Mar., No. 5281.

A. kivuensis Engl. in Wiss. Ergebn. Deutsch. Zentr.—Afr. Exped. 2: 225 (1911).

ABYSSINIA: Gara mulata Mt., long. $41^{\circ} 48' E.$, lat. $9^{\circ} 12' N.$, 3,000 m., Mt. top, on limestone in open grass, stems red, fls. yellowish-green, Mar., No. 5316.

A. pedata Hochst.—F.T.A. 2: 379.

ABYSSINIA: Kondudo Mt., long. $42^{\circ} 20' E.$, lat. $9^{\circ} 27' N.$, 2,760 m., on mt. top in marshy hollow, fls. greenish-yellow, Feb., No. 5220; Gorla-Kolubi track, long. $41^{\circ} 45' E.$, lat. $9^{\circ} 22' N.$, 2,610 m., leaves silvery, Mar., No. 5398.

Rubus apetalus Poir.—F.T.A. 2: 374; F.W.T.A. 1: 314. R. exsuccus Steud. ex A. Rich. Fl. Abyss. 1: 256 (1847).

ABYSSINIA: Gara mulata mt., long. $41^{\circ} 48'$ E., lat. $9^{\circ} 12'$ N., 2,580 m., on limestone, in evergreen forest, scandent, corolla very variable in size, white or pale pink, filaments crimson, 4 Mar., No. 5354. Vernac.—Unjori.

R. *Volkensii* Engl. Bot. Jahrb. 19: Beibl. 47: 30 (1894). R. *Chiesae* Chiov. in Ann. di Bot. 9: 319 (1911).

ABYSSINIA: Gorla: long. $41^{\circ} 48'$ E., lat. $9^{\circ} 12'$ N., 2,580 m., on limestone in evergreen forest, erect 2 m. high, thorns red, fls. pale cream, Mar., No. 5296.

Hagenia abyssinica Willd.—F.T.A. 2: 380 (as *Brayera anthelmintica* Kunth.).

ABYSSINIA: Sarerta Mt., long. $42^{\circ} 19'$ E., lat. $9^{\circ} 30'$ N., 2,400 m., on edge of evergreen forest, tree 6 m. high, 23 Feb., No. 5178. Vernac.—Koso.

Potentilla reptans Linn.—F.T.A. 2: 376.

ABYSSINIA: Galla Pass, long. $42^{\circ} 19'$ E., lat. $9^{\circ} 28'$ N., 2,250 m., on limestone by stream, prostrate herb, fls. yellow, Feb., No. 5169.

Rosa abyssinica R. Br.—F.T.A. 2: 381.

ABYSSINIA: Harar, long. $42^{\circ} 6'$ E., lat. $9^{\circ} 18'$ N., 1,890 m., on limestone, climbing or suberect, corolla white, Feb., No. 5031. Vernac.—Ga-ga.—Also in Eritrea.

Pygeum africanum Hook. f.—F.T.A. 2: 373; F.W.T.A. 1: 314.

ABYSSINIA: Boesesa valley, long. $42^{\circ} 18'$ E., lat. $9^{\circ} 29'$ N., 2,010–2,400 m., in evergreen forest, codominant with *Podocarpus*, tree 30 m., fr. dark red, Feb., No. 5173. Vernac.—Tugoringetz; Mukoraja.

CAESALPINIACEAE.

Delonix elata Gamble—Bak. f. Leg. Trop. Afr. 624 (1926–30). *Poinciana elata* Linn.—F.T.A. 2: 266.

SOMALILAND: Boundary Pillar 93, long. $45^{\circ} 9'$ E., lat. $8^{\circ} 37'$ N., 990 m., tree to 5 m., Oct., No. 4195; Aden, 150 m., on lava, Mar., No. 5511. Vernac.—Lebi (Somali).

Tamarindus indica Linn.—F.T.A. 2: 308; Bak. f. l.c. 702.

SOMALILAND: Daraweina tug, long. $44^{\circ} 8'$ E., lat. $9^{\circ} 40'$ N., 1,170 m., tree 10 m., fls. cream veined with crimson, Oct., No. 4281. Vernac.—Hamar.

Cassia acutifolia Del.—F.T.A. 2: 278; Bak. f. l.c. 637.

SOMALILAND: Boundary, long. $44^{\circ} 15'$ E., lat. $8^{\circ} 58'$ N., 1,260 m., on shallow soil in Acacia-grass veldt, suffruticose, fls. yellow, Sept., No. 4100; Dubriat mt., long. $5^{\circ} 10'$ E., lat. $10^{\circ} 22'$ N., 150 m., limestone slopes, 2 m. high, fls. yellow, Jan., No. 4778. Vernac.—Jalelo gel.

C. adenensis Benth.—Bak. f. l.c. 637.

ADEN: 150 m., on lava, 1–1.5 m. high, fls. yellow, Mar., No. 5513.—Also in Somaliland.

C. Aschrek Forssk. Fl. Aegypt. Arab. 86 (1775). *C. obovata* Collad.—F.T.A. 2: 277; Bak. f. l.c. 636.

SOMALILAND: Boundary Pillar 93, long. 45° 9' E., lat. 8° 37' N., 990 m., on bare ground in open scrub, Oct., No. 4151; Hargeisa, long. 44° 1' E., lat. 9° 33' N., 1,290 m., on alluvium, fls. yellow, Sept., No. 4018. Vernac.—*Jalelo*.

Cassia holosericea Fresen.—F.T.A. 2: 278; Bak. f. l.c. 636.

SOMALILAND: Berbera, sea level, sandy and shingly plain prostrate herb, fls. yellow, Jan., No. 4749. Vernac.—*Jalelo ari*.

C. mimosoides Linn.—F.T.A. 2: 280; Bak. f. l.c. 642.

ABYSSINIA: Mulka jibri, long. 42° 16' E., lat. 9° 24' N., 1,650 m., in hedges, shrub 1 m. high, Feb., No. 5084.

Cadia purpurea Ait.—Bak. f. l.c. 603. *C. varia* L'Hérit.—F.T.A. 2: 255.

SOMALILAND: Hargeisa, long. 44° E., lat. 9° 35' N., 1,350 m., on sandstone rocks, shrub 3 m. high, 13 Oct., No. 4251. Vernac.—*Salalma*.

ABYSSINIA: Kolubi-Harar Road, long. 41° 40' E., lat. 9° 27' N., 1,740 m., on limestone slopes, 2-3 m. high, fls. cream or purple, Mar., No. 5459. Vernac.—*Saele*.

Pterolobium exosum (Gmel.) Bak. f.—Bak. f. l.c. 621.

SOMALILAND: Libah Mele mt., long. 43° E., lat. 10° 20' N., 1,410 m., by spring in lower Buxus scrub, Dec., No. 4700.

ABYSSINIA: Harar, long. 42° 10' E., lat. 9° 20' N., 1,590 m., climber or suberect, Feb., No. 5043. Vernac.—*Kantafa*, *Libah Halalalis* (Somali).

Caesalpinia Gillettii Hutch. et E. A. Bruce, sp. nov. affinis *C. eriantherae* Chiov., sed foliolis minute pubescentibus, pedicellis annulo pilorum brevium instructis, antheris glabris differt.

Frutex usque ad 3 m. altus, aculeatus; rami flexuosi, pubescentes. *Folia* bipinnata; pinnae 2-4-jugatae, circiter 4 cm. longae; foliola 6-8-jugata, oblongo-elliptica, apice mucronata, basi inaequaliter rotundata, 4-6 mm. longa, 2-3 mm. lata, uninervia, minute pubescentia. *Racemi* in ramulis abbreviatissimis terminales, pauciflori; bractae lanceolatae, 1.25 mm. longae, pubescentes; pedicelli circiter 5 mm. longi, medio annulo pilorum brevium instructi. *Lobi calycis* lanceolati, acuti, 4 mm. longi, parce pubescentes. *Petala* inaequalia, uno late obovato 9 mm. longo et 4.5 mm. lato flavo, ceteris minoribus late lanceolatis pallidis. *Filamenta* leviter pubescentia. *Ovarium* breviter stipitatum, oblique oblongum, glabrum; stylus 2 mm. longus. *Fructus* oblongo-lanceolatus, utrinque attenuatus, 8-10 cm. longus, 1.5-1.8 cm. latus, 3-4-spermus, longitudinaliter nervoso-reticulatus. *Semina* quadrato-orbicularia, 7 mm. diametro, maculata.

SOMALILAND: Marmar range, long. 42° 47' E., lat. 10° 29' N., 1,050 m., on limestone slopes, shrub 3 m. high, 27 Dec., No. 4660. Weranwis valley, long. 43° 50' E., lat. 10° 15' N., 510 m., bush 2 m., 1 Nov., No. 4531. Boundary Pillar 93, long. 45° 9' E., lat. 8° 37' N., 990 m., bush 2 m. high, fls. yellow, 5 Oct., No. 4157 (type in Kew Herb.). Vernac.—*Hria gorleh*; *Lebi yer*; *Lumba*

Entada abyssinica Steud.—F.T.A. 2 : 327 ; Bak. f. l.c. 789.

ABYSSINIA : Gafra valley, long. $42^{\circ} 13' E.$, lat. $9^{\circ} 21' N.$, 1,500 m., on granite near stream, tree 8 m. high, fls. yellow, Feb., No. 5238. Vernac.—*Kantafa*.

Dichrostachys glomerata (Forssk.) Chiov.—Bak. f. l.c. 807.

SOMALILAND : Daraweina, long. $44^{\circ} 10' E.$, lat. $9^{\circ} 4' N.$, 1,110 m., on sand, tree 5 m. high, fls. yellow and pink, Oct., No. 4287. Vernac.—*God han torle*.

Acacia albida Del.—F.T.A. 2 : 339 ; Bak. f. l.c. 825.

SOMALILAND : Buramo, Mendesa tug, long. $43^{\circ} 20' E.$, lat. $9^{\circ} 45' N.$, 1,590 m., on limestone by stream-bed, tree 12 m. high, the most massive *Acacia* seen in Somaliland, fruits dark yellow, conspicuous, Jan., No. 4839. Vernac.—*Garabi*.

A. arabica Willd.—F.T.A. 2 : 350 ; Bak. f. l.c. 849.

SOMALILAND : Hargeisa, long. $44^{\circ} 1' E.$, lat. $9^{\circ} 33' N.$, 1,290 m., tree 5 m. high, fls. yellow, Sept., No. 3948, partly. Vernac.—*Marah*.

A. Asak Willd.—Bak. f. l.c. 826.

SOMALILAND : Duwi, lat. $10^{\circ} 5' N.$, $44^{\circ} 15' E.$, shrub 1–2 m., Oct., No. 4427. Vernac.—*Adad Medu*.

A. Bussei Harms—Bak. f. l.c. 825.

SOMALILAND : Hargeisa, long. $44^{\circ} 1' E.$, lat. $9^{\circ} 33' N.$, 1,290 m., dominant, 5 m., fls. cream, Sept., No. 3956. Vernac.—*Galol*.

A. Edgeworthii Anders. in Journ. Linn. Soc. 5 : Suppl. 18 (1860).

ADEN : 210 m., 0.5 m., fls. cream, Mar., No. 5507.—Endemic.

A. etbaica Schweinf.—F.T.A. 2 : 349 ; Bak. f. l.c. 840.

SOMALILAND : Hargeisa, long. $44^{\circ} 1' E.$, lat. $9^{\circ} 33' N.$, 1,290 m., tree 4 m., fls. cream, Sept., No. 3934. Duwi, long. $44^{\circ} 15' E.$, lat. $10^{\circ} 5' N.$, 1,050–1,200 m., dominant tree 3 m., Oct., No. 4398.

ABYSSINIA : Gobelli, long. $41^{\circ} 59' E.$, lat. $9^{\circ} 10' N.$, 1,710 m., on granite slope in evergreen scrub, tree 4 m., Mar., No. 5269. Vernacs.—*Yurar* ; *Yube* ; *Sugsug*.

A. glaucophylla Steud.—F.T.A. 2 : 342 ; Bak. f. l.c. 827.

SOMALILAND : Duwi, long. $44^{\circ} 15' E.$, lat. $10^{\circ} 5' N.$, 1,020–1,170 m. ; on fringes of *Buxus* scrub, tree 6 m. with well-defined bole, Oct., No. 4396. Vernac.—*Réde*.

A. mellifera Benth.—F.T.A. 2 : 340 ; Bak. f. l.c. 828.

SOMALILAND : Boundary, long. $44^{\circ} 15' E.$, lat. $8^{\circ} 55' N.$, 1,260 m., *Acacia*-grass veldt, tree 4 m., fls. cream, Sept., No. 4083. Vernac.—*Bilel*.

A. misera Vatke in Oesterr. Bot. Zeit. 30 : 275 (1880).

SOMALILAND : Boundary, long. $44^{\circ} 10' E.$, lat. $8^{\circ} 57' N.$, 1,290 m., tree 4 m. usually branching near the base, Oct., No. 4124. Dubar, long. $45^{\circ} 5' E.$, lat. $10^{\circ} 20' N.$, 300 m., mt. slopes on coralline limestone and sandstone, shrub 2 m., fls. pale yellow, Jan., No. 4769. Vernac.—*Khansa*—Endemic.

A. Nefasia (Hochst. ex A. Rich.) Schweinf. (*A. abyssinica* Hochst.—F.T.A. 2 : 347).

ABYSSINIA : Slopes of Sarerta Mt., long. 42° 19' E., lat. 9° 30' N., 2,400 m., shrub 3 m., Feb., No. 5187. Vernac.—*Gurar*.

A. nilotica Del.—F.T.A. 2 : 350 (sub *A. arabica* Willd.).

SOMALILAND : Hargeisa, long. 44° 1' E., lat. 9° 32' N., 1,290 m., tree 5 m., fls. yellow, Sept., No. 3948, partly. Vernac.—*Marah*.

A. orfota Schweinf.—Bak. f. l.c. 839.

SOMALILAND : Hargeisa, long. 44° 1' E., lat. 9° 33' N., 1,290 m., on dry alluvium, tree 2 m., branching from base, fls. cream, Sept., No. 4024. Vernac.—*Gummur*.

A. pennata Willd.—F.T.A. 2 : 345 ; Bak. f., l.c. 853.

ABYSSINIA : Harar, long. 42° 10' E., lat. 9° 20' N., 1,680 m., in evergreen scrub formation, bush 2-3 m., Feb., No. 5047. Vernac.—*Kwanta*.

A. Senegal Willd.—Bak. f. l.c. 827.

SOMALILAND : Hargeisa, long. 44° 3' E., lat. 9° 33' N., 1,260 m., tree 5 m. high, fls. cream, Sept., No. 3954 ; 4066. Vernac.—*Adad*. Boundary Pillar 93, long. 45° 9' E., lat. 8° 37' N., 990 m., shrub 2 m., Oct., No. 4178. Vernac.—*Jalefon*.

ABYSSINIA : Gobelli, long. 41° 59' E., lat. 9° 10' N., 150 m., Mar., No. 5261.

A. Seyal Del.—F.T.A. 2 : 351 ; Bak. f. l.c. 844.

SOMALILAND : Afard, long. 44° 8' E., lat. 10° 8' N., 1,170 m., on plateau, in Acacia-grass veld, tree 5 m., stem white, Oct., No. 4465.

ABYSSINIA : ridge south of Hara, long. 42° 6' E., lat. 9° 17' N., 1,950 m., on granite in lower evergreen formation, tree 7 m., Mar., No. 5250. Vernac.—*Wadi* (Somali) ; *Wajo* (Abyssinian).

A. Sieberiana DC.—F.T.A. 2 : 347 ; Bak. f. l.c. 836.

SOMALILAND : Afard, long. 44° 8' E., lat. 10° 10' N., 510 m., on sandy soil dominant up to 900 m., found up to 1,500 m., low flat topped bushes ½-1 m. high, Oct., No. 4443. Vernac.—*Jerin*.

A. somalensis Vatke—Bak. f. l.c. 833.

SOMALILAND : Afard, long. 44° 8' E., lat. 10° 10' N., 540 m. on schist slopes, bush 2 m., fls. lemon, Oct., No. 4458. Vernac.—*Hini*.—Endemic.

A. spirocarpa Hochst.—Bak. f. l.c. 842.

SOMALILAND : Hargeisa, long. 44° 1' E., lat. 9° 38' N., 1,290 m., tree 8 m., dominant, Sept., No. 3910.

ABYSSINIA : Gobelli, long. 41° 59' E., lat. 9° 10' N., on granite, tree 4-5 m., Mar., No. 5260. Vernac.—*Gurha*.

Albizia anthelmintica Brongn.—F.T.A. 2 : 357 ; Bak. f. l.c. 859.

SOMALILAND : Boundary, long. 44° 10' E., lat. 8° 57' N., 1,260 m., tree to 6 m. high, fls. white-reddish, Sept., No. 4095. Vernac.—*Rhideb*.

PAPILIONACEAE.

Calpurnia subdecandra (L'Herit.) Schweickerdt in *Bothalia* 3 : 237 (1937). *C. aurea* Benth.—Bak. f. Leg. Trop. Afr. 593.

ABYSSINIA : Harar, long. 42° 6' E., lat. 9° 18' N., 1,920 m., on limestone, 1 m., fls. yellow, Feb., No. 5008. Vernac.—*Degita*.

Dalbergia commiphoroides Bak. f. Leg. Trop. Afr. 521.

SOMALILAND : Boundary Pillar 93, long. 45° 9' E., lat. 8° 37' N., 990 m., bush 3 m., fls. white, in open scrub, Oct., No. 4153. Vernac.—*Duya*.—Endemic.

Tephrosia atrovioleacea Bak. f. ex De Willd.—Bak. f. l.c. 214.

ABYSSINIA : S.W. slopes of Kondudo Mt., long. 42° 18' E., lat. 9° 27' N., 2,100 m., on limestone slopes, shrub 3 m., Feb., No. 5104.

T. barbiger Welw. ex Bak.—F.T.A. 2 : 113 ; Bak. f. l.c. 196.

ABYSSINIA : Mulka jibri, long. 42° 16' E., lat. 9° 24' N., 1,620 m., shrub 2 m., in lower evergreen formation, Feb., No. 5103. Vernac.—*Kisa*.

T. obbiadensis Chiov. Fl. Somala 144, tab. 7, fig. 2 ; Bak. f. l.c. 882.

SOMALILAND : Afard, long. 44° 8' E., lat. 10° 10' N., 540 m., in open scrub on schist slopes, shrub 1 m., fls. crimson, Oct., No. 4469. Vernac.—*Ged hajin*.—Endemic.

T. purpurea Pers.—F.T.A. 2 : 124 ; Bak. f. l.c. 190.

SOMALILAND : Elmis, long. 44° 14' E., lat. 10° 20' N., 240 m., on sandy plain in desert-grass community, herb, fls. red, Oct., No. 4492. Near Eil Demet, long. 44° 17' E., lat. 9° 53' N., 960 m., Oct., No. 4319, partly.

Tephrosia Franchetii Hutch. et E. A. Bruce, nom. nov. *T. simplicifolia* Franch. (1882), non F. Muell. ex Benth. (1864).

SOMALILAND : Hargeisa, long. 44° 1' E., lat. 9° 35' N., 1,350 m., on stony hills, fls. pink, Sept., No. 4033.

T. uniflora Pers.—Bak. f. l.c. 184.

SOMALILAND : near Eil Demet, long. 44° 17' E., lat. 9° 53' N., 960 m., on lava slope, fls. pink, Oct., No. 4319 partly.

T. vicioides A. Rich.—F.T.A. 2 : 117.

SOMALILAND : Camp 4, long. 44° 16' E., lat. 10° N., 1,080 m., Oct., No. 4358 ; Elmis, long. 44° 14' E., lat. 10° 20' N., 240 m., on sandy plains, Oct., No. 4494. Vernac.—*Geldabar*.

Sesbania Sesban (L.) Merrill in Philipp. Journ. Sci. Bot. 7 : 235 (1912). *S. aegyptiaca* Pers.—F.T.A. 2 : 134 ; Bak. f. l.c. 259.

SOMALILAND : Biji, long. 44° 5' E., lat. 10° 12' N., 420 m., among Tamarix, shrub 3 m., Oct., No. 4515 ; near Daba Bur, long. 43° 6' E., lat. 9° 59' N., 1,470 m., 1 m., Nov., No. 4612 ; long. 44° 18' E., lat. 9° 57' N., 840 m., Oct., No. 4350.

Indigofera arabica Jaub. & Spach—F.T.A. 2: 103; Bak. f. l.c. 165.

SOMALILAND: Debrawen, long. 42° 49' E., lat. 10° 26' N., 960 m., on overgrazed stony plains, fls. red, 26 Nov., No. 4653; Buramo, Warieto, long. 43° 10' E., lat. 10° 2' N., 1,260 m. in stony stream bed, Feb., No. 4915. Vernac.—*Elas*.

I. argentea Linn.—F.T.A. 2: 97; *I. articulata* Gouan—Bak. f. l.c. 154.

SOMALILAND: long. 45° 9' E., lat. 8° 37' N., 990 m., fls. dingy yellow, Oct., No. 4171; Gorfulai, long. 43° 38' E., lat. 10° 16' N., 480 m., fls. red within, green without, Nov., No. 4553; Debrawen, long. 42° 10' E., lat. 10° 5' N., on alluvial limestone, 1 m., fls. red and green, Feb., No. 4930. Vernac.—*Dureho*.

I. arrecta Hochst. ex A. Rich.—F.T.A. 2: 97; Bak. f. l.c. 155.

SOMALILAND: Mt. Wobleh, long. 43° 17' E., lat. 10° 15' N., 1,350 m., on gneiss slopes in open wood and evergreen scrub, 40 cm., Feb., No. 4990.

I. brevicalyx Bak. f.—Bak. f. l.c. 114.

ABYSSINIA: Yuka, long. 41° 40' E., lat. 9° 27' N., 1,980 m., on limestone slopes in evergreen scrub, fls. red, Mar., No. 5452.

I. intricata Boiss. Fl. Orient. 2: 190 (1872).

SOMALILAND: Hargeisa, long. 44° 1' E., lat. 9° 33' N., 1,290 m., open ground, fls. red, Sept., No. 3951; Weramwis valley, long. 43° 50' E., lat. 10° 15' N., on sand with Balanites and bush acacias, suffruticose 40 cm., fls. red, Nov., No. 4532. Vernac.—*Hajin*.—Also in Arabia and S. Persia.

I. oblongifolia Forssk.—Bak. f. l.c. 138. *I. paucifolia* Del.—F.T.A. 2: 88.

SOMALILAND: Duwi, long. 44° 15' E., lat. 10° 5' N., 1,110 m., a small shrub on fringe of Buxus scrub, Oct., No. 4401; Dubriat Mt., long. 45° 10' E., lat. 10° 22' N., 2,400 m., on limestone slopes, 30 cm. high, Jan., No. 4794.

I. parvula Del.—F.T.A. 2: 81; Bak. f. l.c. 136.

ABYSSINIA: near Fujan Hunjuba, long. 42° 17' E., lat. 9° 26' N., 1,950 m., a prostrate herb on granite, Feb., No. 5233.

I. Phillipsiae Bak. f.—Bak. f. l.c. 136.

SOMALILAND: Boundary, long. 44° 10' E., lat. 8° 57' N., 1,290 m., in Acacia association, Oct., No. 4109. Vernac.—*Ged Hajin*.

I. Rothii Bak.—F.T.A. 2: 77; Bak. f. l.c. 114.

ABYSSINIA: Kondudo Mt., long. 42° 20' E., lat. 9° 27' N., 2,280 m., on limestone, 1.5 m. high, fls. red, Feb., No. 5230.—Endemic.

I. Ruspoli Bak. f. l.c. 109.

SOMALILAND: Boundary Pillar 93, long. 45° 9' E., lat. 8° 37' E., 990 m., shrublet, 2 m., fls. red, Oct., No. 4217. Biji, long. 44° 5' E., lat. 10° 12' N., 420 m., Oct., No. 4510. Vernac.—*Jelub*.—Endemic.

I. semitrijuga Forssk.—F.T.A. 2: 93; Bak. f. l.c. 147.

SOMALILAND: Berbera, sea level, prostrate herb with red fls., Jan., No. 4751.

- I. spinosa* Forssk.—F.T.A. 2 : 77 ; Bak. f. l.c. 113.
SOMALILAND : Elmis, long. 44° 14' E., lat. 10° 20' N., 240 m., on sandy plain in desert grass, silvery, suffruticose, fls. red, Oct., No. 4486 ; No. 4495. Vernac.—*Hajin*.
- I. tritoides* Bak.—Bak. f. l.c. 108.
SOMALILAND : Dobo Pass, long. 43° 15' E., lat. 10° 15' N., 1,200 m., on gneiss hills, fls. red, Feb., No. 4969.—Endemic.
- Crotalaria aegyptiaca* Benth.—Bak. f. Legum. Trop. Afr. 25 (1926).
SOMALILAND : Elmis, long. 44° 14' E., lat. 10° 20' N., 270 m., on sandy plains, small shrub 30 cm., Nov., No. 4485.
- C. agatiflora* Schweinf.—Bak. f. l.c. 38.
ABYSSINIA : Harar, long. 42° 10' E., lat. 9° 20' N., 1,650 m., on granite in evergreen scrub, fls. yellow speckled with purple, Feb., No. 5065.
- C. albicaulis* Franch.—Bak. f. l.c. 45.
SOMALILAND : Hargeisa, long. 44° 1' E., lat. 9° 33' N., 1,290 m., on alluvial calcareous soil, suffruticose, Sept., No. 3959. Vernac.—*Assuro*.—Endemic.
- C. Comanestiana* Schweinf.—Bak. l.c. 39.
SOMALILAND : Boundary Pillar 93, long. 45° 9' E., lat. 8° 37' N., 990 m., fls. yellow, Oct., No. 4162. Vernac.—*Assuro*.—Endemic.
- C. Deflersii* Schweinf.—Bak. f. l.c. 47.
SOMALILAND : Kabrih Bahr, long. 43° 44' E., lat. 10° 20' N., 450 m., 1 m. high, Nov., No. 4545. Dobo Pass, long. 43° 15' E., lat. 10° 15' N., 1,110 m., Feb., No. 4978. Dobo Pass, long. 43° 15' E., lat. 10° 15' N., 1,110 m., gneiss slopes, 30 cm. high, fls. yellow, Feb., No. 4978.
- C. dumosa* Franch.—Bak. f. l.c. 33.
SOMALILAND : Hargeisa, long. 44° 1' E., lat. 9° 33' N., 1,290 m., on dry alluvium, Sept., No. 4042 ; Boundary Pillar 93, long. 45° 9' E., lat. 8° 37' N., 990 m., Oct., No. 4152 ; near Eil Demet, long. 44° 17' E., lat. 9° 53' N., 990 m., Oct., No. 4316 ; Afard, long. 44° 8' E., lat. 10° 10' N., 690 m., lava plateau, Oct., No. 4473 ; Debrawen, long. 42° 49' E., lat. 10° 26' N., 960 m., on stony plain, Nov., No. 4652 ; Buramo, long. 43° 10' E., lat. 10° N., 1,410 m., on gneiss slopes, Jan., No. 4869 ; 4892. Vernac.—*Hajin*.—Endemic.
- C. Erlangeri* Harms—Bak. f. l.c.
ABYSSINIA : Gara mulata Mt., long. 41° 48' E., lat. 9° 12' N., 2,790–3,300 m., on limestone in upper evergreen forest, shrub 3 m., Mar., No. 5308.—Endemic.
- C. lachnocarpoides* Engl.—Bak. f. l.c. 39.
ABYSSINIA : near Mulka jibri, long. 42° 16' E., lat. 9° 24' N., 1,710 m., -6 m., fls. yellow, Feb., No. 5235.—Also in Tanganyika.
- C. laxa* Franch.—Bak. f. l.c. 52.
SOMALILAND : Hargeisa, long. 44° 1' E., lat. 9° 33' N., 1,290 m., in tree acacia formation, fls. yellow, Sept., No. 3919. Ohob Pass, long. 43° 13' E., lat. 10° 11' N., 1,140 m., Feb., No. 4943. Ohob Pass, long. 43° 13' E., lat. 10° 11' N., 1,140 m., on limestone, fls. yellow, Feb., No. 4943.

C. microphylla Vahl—F.T.A. 2 : 16 ; Bak. f. l.c. 56.

SOMALILAND : Las Dawan, long. 45° 12' E., lat. 10° 20' N., 150 m., shingly slopes, prostrate herb, fls. pink, Jan., No. 4808.

C. petiolaris Franch.—Bak. f. l.c. 38.

SOMALILAND : near Jif pass, long. 43° E., lat. 10° 20' N., 1,440 m., on limestone rocks beside stream, glaucous plant 2 m. high, fls. yellow, Dec., No. 4714. Vernac.—*Wahara mālē*.

C. Phillipsiae Bak.—Bak. f. l.c. 48.

SOMALILAND : Buramo, long. 43° 10' E., lat. 10° N., 1,440 m., on gneiss slopes, 30 cm. high, Jan., No. 4862.

C. pycnostachya Benth.—Bak. f. l.c. 49.

SOMALILAND : Deriodera, long. 42° 55' E., lat. 10° 3' N., 1,170 m., on rocks, 1 m. high, Nov., No. 4640. Vernac.—*Shuna shuna*.

C. retusa Linn.—F.T.A. 2 : 13 ; Bak. f. l.c. 28.

ABYSSINIA : Harar, long. 42° 10' E., lat. 9° 20' E., 1,650 m., on granite, ½ m. high, Feb., No. 5062.

C. Saltiana Andrews—Bak. f. l.c. 37.

SOMALILAND : Buramo, long. 43° 10' E., lat. 10° N., 1,410 m., in open wood on alluvial flats, 20 cm. high, fls. yellow, Jan., No. 4845. Vernac.—*Gobol Deye*.

ADEN : 800 ft., fls. yellow, Mar., No. 5499.

Argyrolobium ramosissimum Bak.—F.T.A. 2 : 46 ; Bak. f. l.c. 63.

ABYSSINIA : Gara mulata mt., long. 41° 48' E., lat. 9° 12' N., 3,000 m., on limestone, fls. yellow, Mar., No. 5315, 5372, 5373. Kondudo Mt., long. 42° 20' E., lat. 9° 27' N., 2,760 m., mt. top, fls. yellow, Feb., No. 5223.—Endemic.

A. virgatum Bak.—Bak. f. l.c. 63.

ABYSSINIA : Gara mulata Mt., long. 41° 48' E., lat. 9° 12' N., 3,000 m., on limestone at mt. top, fls. yellow, Mar., No. 5350.

Lotus arabicus Linn.—F.T.A. 2 : 62 ; Bak. f. l.c. 90 ; F.W.T.A. 1 : 399.

ABYSSINIA : Kofajalo, long. 41° 51' E., lat. 9° 9' N., 180 m., on limestone in grazed marshy places, fls. yellow-orange, Mar., No. 5278.

Lotus corniculatus Linn.—F.T.A. 2 : 63 ; Bak. f. l.c. 88.

ABYSSINIA : Haramaia, long. 42° E., lat. 9° 24' N., 1,980 m., close grass sward on border of salt pan, prostrate herb, Mar., No. 5466.

Trifolium semipilosum Fres.—F.T.A. 2 : 56 ; Bak. f. l.c. 80.

ABYSSINIA : Galla Pass, long. 42° 19' E., lat. 9° 25' N., 2,250 m., on limestone, fls. white, Feb., No. 5112.

Medicago denticulata Willd.—F.T.A. 2 : 51 ; Bak. f. l.c. 73.

ABYSSINIA : Galla Pass, long. 42° 19' E., lat. 9° 27' N., 2,250 m., Feb., No. 5115.

M. lupulina Linn.—F.T.A. 2 : 51 ; Bak. f. l.c. 72.

ABYSSINIA : Galla Pass, long. 42° 19' E., lat. 9° 28' N., 2,280 m., prostrate, fls. yellow, 21 Feb., No. 5114.

Rhynchosia buramensis Hutch. et E. A. Bruce, sp. nov. foliis minimis, inflorescentiis bifloris, calycis lobis subulatis, seminibus caeruleis valde distincta.

Frutex scandens; rami vetustiores cortice cinereo fisso, hornotini graciles, purpurascens et minute pubescentes. *Folia* breviter petiolata, petiolo vix 1 cm. longo; foliola utrinque minute pubescentia, infra glanduloso-punctata, terminali rhomboideo subacuto circiter 1.5 cm. longo, lateralibus oblique ovatis terminali aequilongis; stipulae ovatae, 2.5 mm. longae, striatae, pubescentes. *Pedunculi* axillares, biflori, usque ad 0.5 cm. longi; pedicelli 0.4 cm. longi, tenuiter pubescentes. *Calyx* extra glanduloso-puberulus, tubo 4 mm. longo, lobo inferiore lineari-subulato 6 mm. longo, ceteris subaequalibus subulatis 3 mm. longis. *Vexillum* obovatum, 1.8 cm. longum, 1.2 cm. latum, late unguiculatum, basin versus lobulis recurvatis incrassatis instructum; alae oblongae, 1.4 cm. longae, 0.4 cm. latae; carina oblique elliptica, subacuta, 1.5 cm. longa. *Ovarium* 5 mm. longum, pubescens et glandulosum, stylo gracili parte inferiore pubescente. *Legumen* oblongum, 2 cm. longum, breviter pubescens. *Semina* globosa, intense caerulea, nitida, 5 mm. diametro.

SOMALILAND: Buramo, Sō mt., long. 43° 10' E., lat. 10° N., 1,620 m., on gneiss slopes in open wood, climber, 19 Jan., No. 4850 (type in Kew Herb.).

R. caribaea DC.—F.T.A. 2: 220; Bak. f. l.c. 474.

SOMALILAND: Elmis, long. 44° 14' E., lat. 10° 22' N., 510–600 m., on mt. slopes in open scrub, fls. yellow, Oct., No. 4502. Vernac.—*Geldabar*.

R. flavissima Hochst.—F.T.A. 2: 219; Bak. f. l.c. 475.

SOMALILAND: Debrawen, long. 43° 10' E., lat. 10° 5' N., 990 m., on limestone alluvial, climber, Feb., No. 4942.

R. Memnonia DC.—F.T.A. 2: 220; Bak. f. l.c. 473.

SOMALILAND: Hargeisa, long. 44° 1' E., lat. 9° 33' N., 1,290 m., on drier alluvium, fls. yellow, Sept., No. 4043, slopes between Marmar Her and Marmar Gedke Mts., long. 42° 47' E., lat. 10° 29' N., 1,050 m., Nov., No. 4654; Afard, long. 44° 8' E., lat. 10° 10' N., 540 m., in open scrub, Oct., No. 4479. Vernac.—*Jalale, Mirzi edalis*.

R. minima DC.—F.T.A. 2: 219; Bak. f. l.c. 471.

SOMALILAND: Hargeisa, long. 44° 1' E., lat. 9° 33' N., 1,290 m., Oct., No. 4237.

Rhynchosia Cliffordii Hutch. et E. A. Bruce, sp. nov. affinis *R. erythraeae* Schweinf. sed caulibus procumbentibus, foliolis latioribus racemis paucifloris differt.

Rami procumbentes, cinereo-tomentelli. *Folia* pinnatim trifoliolata, breviter (ad 1.3 cm.) petiolata, foliolis obovato-rotundatis apice mucronatis vel emarginatis basi rotundatis vel leviter angustatis 1.5–2.5 cm. longis usque ad 3 cm. latis discoloribus supra leviter pubescentibus infra molliter cinereo-tomentosis, nervis lateralibus utrinsecus 3–4; petioluli laterales 2 mm. longi, terminali paulo longiore et basi articulado; stipulae subulato-filiformes, ad 7 mm.

longae. *Racemi* axillares, foliis breviores, 2-3-flori, ubique cinereo-tomentelli; bracteae stipulas simulantes; pedicelli ad 5 mm. longi. *Calyx* 6 mm. longus, ad medium lobatus, lobis lanceolatis inaequilongis acutis. *Corolla* flava; vexillum obovatum, apice emarginatum, basi breviter unguiculatum et acute auriculatum, 1.2 cm. longum, 0.8 cm. latum, dorso breviter pubescens; alae oblongae, 1 cm. longae, glabrae; carina oblique elliptica, 1 cm. longa. *Ovarium* 3 mm. longum, pubescens; stylus laxe pubescens, stigmatate capitato. *Fructus* oblongus, 1.5-2 cm. longus, molliter et breviter pubescens.

SOMALILAND: Hargeisa, long. 44° E., lat. 9° 35' N., 150 m., on limestone slopes, fls. yellow, 13 Oct., No. 4269 (type in Kew Herb.). Jifa Meidir, long. 43° 15' E., lat. 9° 43' N., 1,650 m., on limestone, prostrate, fls. yellow, 24 Jan., No. 4864.

Cylista scariosa Roxb.—Bak. f. l.c. 461.

SOMALILAND: Deriodera, long. 42° 55' E., lat. 10° 3' N., 1,170 m., climber, Nov., No. 4643.

We prefer to follow Baker (Leg. Trop. Afr. p. 461 (1929)) in naming this plant *C. scariosa* Roxb., the material we have seen not being sufficient to decide whether it be different. Three species have been described from Somaliland, authentic specimens of which we have not been able to examine. These are *C. somalorum* Vierh., *C. nogalensis* Chiov. and *C. microphylla* Chiov.

Erythrina Brucei Schweinf.—Bak. f. l.c. 369.

ABYSSINIA: Gorla-Kolubi track, long. 41° 45' E., lat. 9° 22' N., 2,520 m., on limestone, tree 20 m. high, fls. scarlet, Mar., No. 5404.

Vigna nilotica Hook. f.—Bak. f. l.c. 404.

SOMALILAND: Duwi, long. 44° 15' E., lat. 10° 5' N., 1,140 m., in *Buxus* scrub, climber, fls. blue and green, Oct., No. 4410.

V. Schimperii Baker—F.T.A. 2: 201; Bak. f. l.c. 404.

ABYSSINIA: Yuka, long. 41° 40' E., lat. 9° 25' N., 210 m., limestone, climber, fls. yellow, Mar., No. 5445.

V. vexillata Benth.—F.T.A. 2: 199; Bak. f. l.c. 413.

ABYSSINIA: Yuka, long. 41° 40' E., lat. 9° 25' N., 2,280 m., on limestone slopes, Mar., No. 5447.

Dolichos biflorus Linn.—F.T.A. 2: 210; Bak. f. l.c. 448.

ABYSSINIA: near Kofajalo, long. 41° 51' E., lat. 9° 9' N., 2,130 m., on limestone, fls. yellowish-green, climber, Mar., No. 5273.

Vicia sativa Linn. var. *angustifolia* Ser.—Bak. f. l.c. 346.

ABYSSINIA: Gara mulata mt., long. 41° 48' E., lat. 9° 12' N., 2,850 m., in burnt *Erica* thicket, fls. pink, Mar., No. 5331.

Stylosanthes flavicans Bak.—F.T.A. 2: 156; Bak. f. l.c. 320.

SOMALILAND: Barataga, long. 44° 1' E., 10° 5' N., 1,050 m., tree acacia community, fls. yellow spotted with red, Oct., No. 4523.

Zornia bracteata (Walt.) Gmel. Syst. 1096. *Z. tetraphylla* Michx.—F.T.A. 2: 159; Bak. f. l.c. 323.

ABYSSINIA: near Fuyan Hunjuba, long. 42° 17' E., lat. 9° 26' N., 2,010 m., bare ground, granite, prostrate herb, Feb., No. 5231.

- Zornia diphylla* (Linn.) Pers.—F.T.A. 2 : 158 ; Bak. f. l.c. 322.
 SOMALILAND : Dobo Pass, long. 43° 15' E., lat. 10° 15' N.,
 1,200 m., on gneiss, in open wood, Feb., No. 4956.
 —*Desmodium Scalpe* DC.—F.T.A. 2 : 164 ; Bak. f. l.c. 328.
 ABYSSINIA : Yuka, long. 41° 40' E., lat. 9° 25' N., 3 m. high,
 fls. red, Mar., No. 5416.
 —*Taverniera glauca* Edgew. in Journ. As. Soc. Beng. 16, 2 : 1214
 (1874).
 ADEN : 150 m., on lava, standard yellowish, keel rose, Mar.,
 No. 5519.—Confined to Arabia.

HAMAMELIDACEAE.

- Trichocladus malosanus* Baker in Kew Bull. 1897 : 266.
 ABYSSINIA : Yuka, long. 41° 40' E., lat. 9° 25' N., 2,100 m.,
 in Juniperus-Podocarpus forest, tree 4 m., fls. yellow, Mar., No. 5423.
 Vernac.—*Madissa*.

BUXACEAE.

- Buxus Hildebrandtii* Baill.—F.T.A. 6, 1 : 610.
 SOMALILAND : Duwi, long. 44° 15' E., lat. 10° 5' N., 900–1,200 m.,
 shrub 3 m., Oct., No. 4377. Vernac.—*Dusogh*.—Also in Abyssinia.

MYRICACEAE.

- Myrica salicifolia* Hochst. ex A. Rich.—F.T.A. 6, 2 : 313.
 ABYSSINIA : Geldid : long. 41° 48' E., lat. 9° 15' N., 2,430 m.,
 tree 6 m., dioecious, Mar., No. 5382.

ULMACEAE.

- Celtis Kraussiana* Bernh.—F.T.A. 6, 2 : 3.
 ABYSSINIA : Fujan Hunjuba, long. 42° 17' E., lat. 9° 26' N.,
 1,920 m., tree 10 m., fr. yellow, Feb., No. 5098. Gafra valley, long.
 42° 13' E., lat. 9° 21' N., 1,500 m., slender tree to 16 m., trunk
 smooth, grey, Feb., No. 5240.

BARBEYACEAE.

- Barbeya oleoides* Schweinf.—F.T.A. 6, 2 : 15.
 ABYSSINIA : Gobelli valley, long. 41° 59' E., lat. 9° 10' N.,
 1,710 m., tree 4 m., fls. green, Mar., No. 5270. Vernac.—*Garri*.

MORACEAE.

- Dorstenia crispa* Engl.—F.T.A. 6, 2 : 73.
 SOMALILAND : Jebel Wotni Mt., long. 45° 6' E., lat. 10° 18' N.,
 390 m., fls. greenish yellow, Jan., No. 4802. Boundary Pillar 93,
 long. 45° 9' E., lat. 8° 37' N., 990 m., 10 cm., milky juice, fls.
 greenish, Oct., No. 4223. Vernac.—*Ged ambar*.
D. foetida (Forssk.) Schweinf.—F.T.A. 6, 2 : 72.
 SOMALILAND : Afard, long. 44° 8' E., lat. 10° 8' N., 1,050 m.,
 leaves dark green, fls. yellow, aromatic, Oct., No. 4464. Vernac.—
Ambar.

Ficus capensis Thunb.—F.T.A. 6: 2: 101.

ABYSSINIA: Galla Pass, long. $42^{\circ} 19' E.$, lat. $9^{\circ} 28' N.$, 2,340 m., tree 10 m., fruits on short branches, edible, Feb., No. 5135. Vernac.—*Harbu*.

F. glumosa Del.—F.T.A. 6, 2: 171.

SOMALILAND: Auboba, long. $43^{\circ} E.$, lat. $10^{\circ} 6' N.$, 1,800 m., shrub 3 m., Nov., No. 4627. Vernac.—*Deer Ad*.

F. ingens Miq.—F.T.A. 6, 2: 121.

SOMALILAND: Auboba, 1,800 m., shrub 3 m., Nov., No. 4626. Biju-Suldan, long. $43^{\circ} E.$, lat. $10^{\circ} 20' N.$, 1,050 m., spreading tree 5 m., Dec., No. 4691. Vernac.—*Deer Ad, Lufo*.

F. populifolia Vahl—F.T.A. 6, 2: 189.

SOMALILAND: Bir Dai, long. $44^{\circ} 17' E.$, lat. $9^{\circ} 55' N.$, 900 m., tree 8 m., Oct., No. 4335. Vernac.—*Nidir. Hamash*.

F. salicifolia Vahl—F.T.A. 6, 2: 115.

SOMALILAND: Hargeisa, long. $44^{\circ} 1' E.$, lat. $9^{\circ} 33' N.$, 1,440 m., tree 3 m., Sept., No. 4052. Vernac.—*De-er*.

F. Sycomorus Linn.—F.T.A. 6, 2: 95.

SOMALILAND: Camp 4, long. $44^{\circ} 16' E.$, lat. $10^{\circ} N.$, 900 m., tree 10 m., fruit on branches remote from leaves, Oct., No. 4354. Vernac. *Dare*.

F. Thonningii Blume—F.T.A. 6, 2: 187.

ABYSSINIA: Hara, long. $42^{\circ} 10' E.$, lat. $9^{\circ} 20' N.$, 1,620 m., tree 4 m., Feb., No. 5061. Vernac.—*Shorla*.

F. vasta Forssk.—F.T.A. 6, 2: 194.

SOMALILAND: Duwi, long. $44^{\circ} 15' E.$, lat. $10^{\circ} 5' N.$, 1,200 m., tree 8 m., fragrant in hot sun, fruit edible, Oct., No. 4417. Deriodera, long. $42^{\circ} 55' E.$, lat. $10^{\circ} 3' N.$, 1,170 m., tree 20 m., Nov., No. 4639. Vernac.—*Berde*.

URTICACEAE.

Urera hypselodendron Wedd.—F.T.A. 6, 2: 255.

ABYSSINIA: Galla Pass, long. $42^{\circ} 19' E.$, lat. $9^{\circ} 28' N.$, 2,460 m., climbing, fls. red, Feb., No. 5144.

Debregeasia salicifolia Rendle—F.T.A. 6, 2: 295.

ABYSSINIA: Geldid, long. $41^{\circ} 48' E.$, lat. $9^{\circ} 15' N.$, 2,280 m., shrub 4 m., fls. pinkish, Mar., No. 5393.—Occurs eastwards as far as the Western Himalayas.

Forskohlea viridis Ehrenb. ex Desf.—F.T.A. 6, 2: 302.

SOMALILAND: Wobleh Mt., long. $43^{\circ} 17' E.$, lat. $10^{\circ} 15' N.$, 1,200 m., fls. yellowish, smells like mignonette, Nov., No. 4594. Aden, 150 m., annual, stems red, fls. green, Mar., No. 5517.

CELASTRACEAE.

Gymnosporia arbutifolia (Hochst.) Loes. in Engl. Bot. Jahrb. 17: 547 (1893). *Celastrus arbutifolius* Hochst.—F.T.A. 1: 363.

ABYSSINIA: Yuka, long. $41^{\circ} 40' E.$, lat. $9^{\circ} 25' N.$, 2,100 m., on limestone slopes, in lower *Juniperus-Podocarpus* forest, bushy tree 5 m., fls. cream, Mar., No. 5444. Vernac.—*Kombolcha*.—Also in Eritrea.

G. buxifolia (Linn.) Szyszyl. Pl. Rehmann. 2 : 34 (1888).

ABYSSINIA : Galla Pass, long. 42° 19' E., lat. 9° 28' N., 2,340 m., in remnants of Podocarpus forest, spreading tree to 7 m., fls. cream, Feb., No. 5131. Vernac.—*Kombolcha*.

G. luteola (Del.) Szyszyl. Pl. Rehmann. 2 : 34 (1888). *Celastrus luteolus* Del.—F.T.A. 1 : 363.

SOMALILAND : Duwi, long. 44° 15' E., lat. 10° 5' N., 1,110–1,260 m., common in Buxus scrub, shrub 3 m., fls. white, Oct., No. 4419. Libah Mele Range, long. 43° E., lat. 10° 20' N., 1,590–1,710 m., on schist rocks with *Juniperus*, shrub 4 m., fls. cream, Dec., No. 4684.

ABYSSINIA : Gara mulata Mt., long. 41° 48' E., lat. 9° 12' N., 2,550 m., on limestone in evergreen forest, 6 m., fls. cream, Mar., No. 5352. Vernac.—*Sarad* ; *Deg wun* (Somali).

G. senegalensis (Lam.) Loes. in Engl. Bot. Jahrb. 17 : 541 (1893) ; F.W.T.A. 1 : 445, fig. 158. *Celastrus senegalensis* Lam.—F.T.A. 1 : 361.

SOMALILAND : Biju Suldan, long. 43° E., lat. 10° 20' N., on rocks with *Buxus*, *Ficus*, *Cordia*, shrub 4 m., fls. cream, Dec., No. 4692. Vernac.—*Jaad*.

G. serrata (Hochst.) Loes. in Engl. Bot. Jahrb. 41 : 302 (1908). *Celastrus serratus* Hochst.—F.T.A. 1 : 362.

SOMALILAND : Mt. Wobleh, long. 43° 17' E., lat. 10° 15' N., 1,530 m., in evergreen scrub-Juniper forest, shrub 3 m., fls. cream, Feb., No. 4985. Vernac.—*Dubobeis*.—Also in Abyssinia.

ICACINACEAE.

Trematosperma cordatum Urb. in Ber. Deutsch. Bot. Ges. 1 : 182 (1883).

SOMALILAND : Duwi, long. 44° 15' E., lat. 10° 5' N., 1,200–1,260 m., on edge of Buxus scrub on southern, dry side of the ridge, spherical white stem up to 1 m. in diameter, Oct., No. 4420. Vernac.—*Adalis ad*.—Endemic.

SALVADORACEAE.

Azima tetraacantha Lam.—F.T.A. 4, 1 : 22.

SOMALILAND : Simodi, long. 43° 30' E., lat. 10° 5' N., 1,200–1,740 m., shrub 1 m., Nov., No. 4578.

Dobera glabra A.DC. in DC. Prod. 17 : 31 (1873). *D. Roxburghii* Planch.—F.T.A. 4, 1 : 21.

SOMALILAND : Jalelo, long. 44° 14' E., lat. 9° 45' N., 1,080 m., shrub 5 m., fls. white, fruit edible, Oct., No. 4301. Vernac.—*Garas*.

Salvadora persica Linn.—F.T.A. 4, 1 : 23.

SOMALILAND : Jalelo, shrub 5 m., fresh twigs used for tooth-brushes, Oct., No. 4300. Aden : 150 m., tree 3–4 m., fls. green, berries red, Mar., No. 5506. Vernac.—*Adi* (Somali) ; *Ruk* (Aden).

OLACACEAE.

Ximenia americana Linn.—F.T.A. 1: 346; F.W.T.A. 1: 458.
 ABYSSINIA: Gafra Valley, long. 42° 13' E., lat. 9° 21' N.,
 1,500 m., in *Acacia* scrub, bush 4 m., fls. greenish cream, Feb.,
 No. 5243. Vernac.—*Unkwoi*.

OPILIAACEAE.

Opilia strobilifera Hutch. et E. A. Bruce, sp. nov. affinis
O. celtidifoliae Endl., sed foliis anguste oblanceolatis ad obovato-
 ellipticis haud acuminatis differt.

Frutex ad 2 m. altus; rami vetustiores fere 1 cm. crassi,
 hornotini cinereo-virides, puberuli. *Folia* breviter petiolata, anguste
 oblanceolata ad obovato-elliptica, apice obtusa vel rotundata,
 interdum emarginata, basi subacuta et 3-5-nervia, 2.5-3.5 cm.
 longa, 0.6-2 cm. lata, crassa, puberula. *Inflorescentiae* alabastro
 strobiliformes, plerumque in ramis vetustioribus congestae; bractee
 late triangulari-ovatae, ciliatae; pedicelli 2 mm. longi, minute
 puberuli. *Calyx* annularis, carnosus, minute puberulus. *Petala*
 flava, 5, ovato-elliptica, subacuta, 2 mm. longa. *Stamina* 5,
 filamentis 1 mm. longis. *Disci glandulae* 5, magnae, ovoideae,
 inflexae. *Ovarium* ellipsoideum, glabrum, stylo perbrevis crasso.

SOMALILAND: Daba Bur, long. 42° 54' E., lat. 10° 9' N., 1,500 m.,
 on steep limestone slope, shrub 2 m., fls. cream, 22 Nov., No. 4636
 (type in Kew Herb.). Buramo, long. 43° 10' E., lat. 10° N., 1,080-
 1,410 m., stony slopes in *Acacia* open wood, shrub 2 m., leaves
 glaucous, fls. yellow, inconspicuous, 27 Jan., No. 4868. Vernac.—
Eri.

LORANTHACEAE.

Loranthus Acaciae Zucc.—F.T.A. 6, 1: 280.

SOMALILAND: Hargeisa, long. 44° 1' E., lat. 9° 33' N., 1,290 m.,
 fls. flame red, Sept., No. 3945. Vernac.—*Dilo yahen*.

L. curviflorus Benth. ex Oliv.—F.T.A. 6, 1: 279.

SOMALILAND: Dara weina, long. 44° 80' E., lat. 9° 48' N.,
 1,110 m., fls. scarlet, Oct., No. 4286. Afard, long. 44° 8' E., lat.
 10° 10' N., 540 m., fls. red, Oct., No. 4456. Vernac.—*Dilo yahen*.

L. Dregei Eckl. et Zeyh. var. *kerenicus* Sprague—F.T.A. 6, 1: 312.

SOMALILAND: Wobleh, long. 43° 17' E., lat. 10° 15' N., 1,590 m.,
 Nov., No. 4593. Auboba, long. 43° E., lat. 10° 6' N., 1,800 m.,
 fls. pink and green, Nov., No. 4625. Vernac.—*Dilo yahen*.

L. dschallensis Engl.—F.T.A. 6, 1: 286.

SOMALILAND: Buramo-Warieto tug, long. 43° 10' E., lat. 10°
 2' N., 1,050 m., on *Acacia*, fls. dull yellow, Jan., No. 4906. Vernac.—
Dilo yahen.

L. Fischeri Engl.—F.T.A. 6, 1: 331.

SOMALILAND: Hargeisa, long. 44° 3' E., lat. 9° 33' N., 1,260 m.,
 fls. red, Sept., No. 4064. Vernac.—*Dilo yahen*.

L. Kellersi Engl.—F.T.A. 6, 1: 337.

SOMALILAND: Boundary, long. 47° 10' E., lat. 8° 57' N., 1,260 m., corolla tube dark purple red, lobes red and yellow, Sept., No. 4077. Hargeisa, 1,350 m., fls. green below, red above, Oct., No. 4226. Vernac.—*Dilo yahan*.—Endemic.

L. nummulariifolius Franch.—F.T.A. 6, 1: 281.

SOMALILAND: Auboba, long. 43° E., lat. 10° 6' N., 1,740 m., fls. red, Nov., No. 4629. Vernac.—*Dilo yahan*.—Endemic.

L. panganensis Engl.—F.T.A. 6, 1: 316.

SOMALILAND: Marmar range, long. 42° 42' E., lat. 10° 32' N., 1,110 m., leaves soft and succulent, fls. red and orange, Nov., No. 4663. Vernac.—*Dilo yahan*.

Loranthus sarertaensis Hutch. et E. A. Bruce, (§ *Lepidoti*) sp. nov. affinis *L. erythraeo* Sprague et *L. usuiensi* Oliv. ab ambobus corolla fere glabra differt.

Ramuli hornotini brevissime pubescentes, circiter 4 mm. crassi, vetustiores 1-3 cm. crassi, purpurascens, puberuli. *Folia* anguste ovata vel late lanceolata, apice et basi rotundata, 10-12 cm. longa, 4-6 cm. lata, sicco utrinque crebre verrucosa, nervis lateralibus utrinque indistinctis circiter 3-4-jugis; petioli 1-5 cm. longi. *Fasciculi* pluriflori; pedicelli 2 mm. longi, crassi, pubescentes; bractea cymbiformis, 3 mm. longa, utrinque stellato-tomentosa. *Receptaculum* 2-5 mm. longum, breviter pubescens. *Calyx* cupularis, 1-25 mm. longus, brevissime denticulatus, extra et margine breviter pubescens. *Corolla* 6 cm. longa, extra glabra vel fere glabra, lobis lineari-spatulatis 1-4 cm. longis subacutis. *Filamenta* fere 1 cm. longa; antherae 3 mm. longae, loculis 4 vertice dispositis; stylus glaber, circiter 5-5 cm. longus, superne angulatus; stigma ovoideum.

ABYSSINIA: Slopes of Sarerta Mt., long. 42° 19' E., lat. 9° 20' N., 2,400 m., fls. orange, 23 Feb., No. 5194 (type in Kew Herb.).

L. Schimperii Hochst. ex A. Rich.—F.T.A. 6, 1: 337.

SOMALILAND: Camp 4, long. 44° 16' E., lat. 10° N., 900 m., fls. yellow, Oct., No. 4353.

var. *parviflorus* Hutch. et E. A. Bruce, var. nov., a typo corollis dimidio brevioribus differt.

SOMALILAND: Hargeisa, 1,260 m., fls. yellow, Sept., No. 3947. Hargeisa, 1,380 m., fls. orange, Oct., No. 4277. Simodi, long. 43° 30' E., lat. 10° 5' N., 1,350 m., fls. yellow, fr. orange-red, Nov., No. 4568.

ABYSSINIA: Harar-Kofajalo Road, long. 41° 55' E., lat. 9° 9' N., 360 m., fls. yellow, Mar., No. 5271. Vernac.—*Dilo yahan*.

L. Thomsonii Sprague—F.T.A. 6, 1: 276.

SOMALILAND: Boundary Pillar 93, long. 45° 9' E., lat. 8° 37' N., 990 m., fls. red, Oct., No. 4167. Vernac.—*Dilo yahan*.—Endemic.

L. ugogensis Engl.—F.T.A. 6, 1: 336.

ABYSSINIA: Yuka, long. 41° 40' E., lat. 9° 25' N., 2,130 m., fls. red-yellow, Mar., No. 5449.

- Viscum nervosum* Hochst. ex A. Rich.—F.T.A. 6, 1: 397.
 ABYSSINIA: Fuyan Hunjuba, long. 42° 17' E., lat. 9° 26' N.,
 1,920 m., fls. cream minute, Feb., No. 5097. Vernac.—*Mutukonia*.
V. Schimperii Engl.—F.T.A. 6, 1: 407.
 SOMALILAND: Hargeisa, long. 44° 1' E., lat. 9° 33' N., 1,290 m.,
 fls. yellow, Sept., No. 3946. Vernac.—*Dilo yahan*.
V. tuberculatum A. Rich.—F.T.A. 6, 1: 396.
 SOMALILAND: Libah Hele Mts., long. 43° E., lat. 10° 20' N.,
 fls. yellow, ripe fruits red, Dec., No. 4696. Vernac.—*Dilo yahan*.

SANTALACEAE.

- Osyridicarpus Schimperianus* A.DC.—F.T.A. 6, 1: 432.
 ABYSSINIA: Harar, long. 42° 10' E., lat. 9° 20' N., 1,620 m.,
 on granite, in hedges and evergreen scrub, weak ascending shrub,
 fls. greenish yellow, Feb., No. 5056.
Osyris compressa (Berg.) A.DC. in DC. Prod. 14: 634 (1857).
Osyris abyssinica Hochst.—F.T.A. 6, 1: 433.
 SOMALILAND: Simodi, long. 43° 30' E., lat. 10° 5' N., 1,740 m.,
 on open slopes of mt. top, shrub 1 m. high, fls. yellowish, Nov.,
 No. 4581.
 ABYSSINIA: Harar, 1,920 m., on limestone, Feb., No. 5011.
 Vernac.—*Asäso*.
Thesium radicans Hochst. ex A. Rich.—F.T.A. 6, 1: 415.
 SOMALILAND: Boundary 7 miles W. of long. 44° E., lat. 9° N.,
 1,350 m., on grass roots, fls. white, Oct., No. 4230.
T. Schweinfurthii Engl.—F.T.A. 6, 1: 416.
 ABYSSINIA: Gara mulata Mt., long. 41° 48' E., lat. 9° 12' N.,
 2,790 m., open grass, fls. white, Mar., No. 5333.

RHAMNACEAE.

- Sageretia spiciflora* (A. Rich.) Chiov. in Ann. di Bot. 10: 444,
 in obs. (1912).
 SOMALILAND: Mt. Wobleh, long. 43° 17' E., lat. 10° 15' N.,
 1,740 m., on mt. top with *Juniperus procera*, shrub 2 m., fls. cream,
 Nov., No. 4592. Abyssinia: Gobelli, long. 41° 59' E., lat. 9° 10' N.,
 1,590 m., in evergreen scrub on granite slopes, fls. yellowish, 3 m.,
 Mar., No. 5266. Vernac.—*Gulamé* (Abyss.).—Also in Eritrea and
 Arabia.
Berberchia discolor Hemsl.—F.T.A. 1: 381.
 SOMALILAND: Daraweina, No. 4283.
Helinus mystacinus (Ait.) E. Mey.—F.T.A. 1: 385.
 SOMALILAND: Jifa Uri, long. 43° 22' E., lat. 9° 42' N., 1,680 m.,
 evergreen scrub or gneiss kopje, climber, fls. white, Jan., No. 4835.
 Buramo, long. 43° 10' E., lat. 10° 2' N., 1,170 m., in gneiss ravine,
 Jan., No. 4902.
 ABYSSINIA: near Fuyan Hunjuba, long. 42° 17' E., lat. 9° 26' N.,
 1,950 m., Feb., No. 5232.

Rhamnus prinoides L'Hérit.—F.T.A. 1: 382.

ABYSSINIA: Fuyan Hunjuba, long. $42^{\circ} 17' E.$, lat. $9^{\circ} 26' N.$, 1,920 m., on granite, fls. green, fr. dark red, Feb., No. 5102. Vernac.—*Gesho*.

R. *Staddo* A. Rich.—F.T.A. 1: 382. R. *infusionum* Del. ex Ferr. & Galin.

SOMALILAND: Mt. Wobleh, long. $43^{\circ} 17' E.$, lat. $10^{\circ} 15' N.$, 1,290 m., in open wood evergreen scrub, shrub 2 m., fls. greenish cream, Feb., No. 4979.

ABYSSINIA: Slopes of Sarterta Mt., long. $42^{\circ} 19' E.$, lat. $9^{\circ} 30' N.$, 2,400 m., in forest on limestone, bushy tree 4 m., fls. greenish yellow, Feb., No. 5180; 5181. Vernacs.—*Jajale* (Somali), *Gadida* (Abyss.)—Also in Eritrea.

Ziziphus Hamur Engl. in Ann. Ist. Bot. Rom. 7: 19 (1897).

SOMALILAND: Afard, long. $44^{\circ} 8' E.$, lat. $10^{\circ} 10' N.$, 510 m., shrub 4 m., fls. cream, Oct., No. 4481. Vernac.—*Hamud*.—Endemic.

Z. mauritiana Lam. Encycl. Meth. 3: 319 (1789). *Z. jujuba* Lam.—F.T.A. 1: 379; F.W.T.A. 1: 471, not of Mill.

SOMALILAND: Hargeisa, long. $44^{\circ} 1' E.$, lat. $9^{\circ} 33' N.$, 1,320 m., fairly frequent tree 12 m. high, Sept., No. 3900. Vernac.—*Gob*.

Z. mucronata Willd.—F.T.A. 1: 380; F.W.T.A. 1: 470.

SOMALILAND: Hargeisa, long. $44^{\circ} E.$, lat. $9^{\circ} 35' N.$, 1,380 m., on sandstone rocks, tree 4 m., Oct., No. 4258. Vernac.—*Gob yer*.

AMPELIDACEAE.

Cissus adenocaulis Steud. ex A. Rich. Fl. Abyss. 1: III (1847); F.W.T.A. 1: 477.

ABYSSINIA: Harar, long. $42^{\circ} 10' E.$, lat. $9^{\circ} 20' N.$, 1,650 m., in evergreen scrub, fls. yellow tipped with red, Feb., No. 5049.

C. cyphopetala Fresen. in Mus. Senckenberg 2: 282 (1837-45).

ABYSSINIA: Boesesa valley, long. $42^{\circ} 18' E.$, lat. $9^{\circ} 29' N.$, 2,100 m., on limestone, on margin of evergreen forest, fls. cream, 2,100 m., Feb., No. 5175.

C. jatrophoides (Welw.) Planch. in DC. Monog. Phan. 5: 579 (1887).

ABYSSINIA: near Mulkajibri, long. $42^{\circ} 16' E.$, lat. $9^{\circ} 24' N.$, 1,800 m., erect herb full of sap, 0.6 m. high, fls. cream, Feb., No. 5234. Vernac.—*Mido Korbo*.

C. nivea Hochst. ex Schweinf. Beitr. Fl. Aethiop. 83 (1867).

ABYSSINIA: Kofa jalo, long. $41^{\circ} 51' E.$, lat. $9^{\circ} 9' N.$, 2,250 m., in *Juniperus* forest, climber, Mar., No. 5276.—Also in Eritrea.

C. quadrangularis Linn. Mant. 39 (1767); F.W.T.A. 1: 475.

SOMALILAND: Biji, long. $44^{\circ} 5' E.$, lat. $10^{\circ} 12' N.$, 420 m., on sandy plains, Oct., No. 4511. Vernac.—*Gaad*.

C. rotundifolia (Forssk.) Vahl Symb. Bot. 3: 19 (1790).

SOMALILAND: Hargeisa, long. $44^{\circ} 1' E.$, lat. $9^{\circ} 33' N.$, 1,290 m., Oct., No. 3949. Vernac.—*Armo*.

C. Schimperii Hochst. ex A. Rich. Fl. Abyss. 1: II4 (1847).

ABYSSINIA: Harar, No. 5049.—Endemic.

C. Schweinfurthii Planch. in DC. Monog. Phan. 5 : 591 (1887).
SOMALILAND : Duwi, long. 44° 15' E., lat. 10° 5' N., 1,200 m.,
in *Buxus* scrub, fls. greenish yellow, Oct., No. 4422. Vernac.—
Armo Gorja.

C. serpens Hochst. ex A. Rich. Fl. Abyss. 1 : III (1847).
SOMALILAND : Boundary, long. 44° 15' E., lat. 8° 58' N., 1,260 m.,
amongst *Acacia*, fls. yellow, Sept., No. 4141. Vernac.—*Armo malehle* or *gorie*.

Rhoicissus erythrodes (Fresen.) Planch. in DC. Monog. Phan. 5 :
465 (1887).

ABYSSINIA : Harar-Gobelli Road, long. 42° 6' E., lat. 9° 17' N.,
1,890 m., on granite in lower evergreen formation, fls. yellow with
red tips, Mar., No. 5252.

R. Revoilii Planch. in DC. Monog. Phan. 5 : 469 (1887).
SOMALILAND : Libah Hele, Birda, long. 43° E., lat. 10° 20' N.,
1,620–1,670 m., on limestone in *Buxus* scrub, fls. chocolate, Nov.,
No. 4677. Vernac.—*Armo saged*.

RUTACEAE.

Fagara chalybea Engl. Pflanzenfam. 3, 4 : 118 (1890).
SOMALILAND : Libah Hele Mt., long. 43° E., lat. 10° 20' N.,
1,560 m., on limestone in *Buxus-Juniperus* scrub, shrub 4 m., Dec.,
No. 4695. Vernac.—*Meeh Godleh*.

F. usambarensis Engl. in Notizblatt. Bot. Gart. Berl. 3 : 84
(1900).

ABYSSINIA : Yuka, long. 41° 40' E., lat. 9° 27' N., 1,980 m.,
on limestone slopes, in evergreen scrub, 3–4 m., fr. Mar., No. 5451.

Fagaropsis Gillettii Chiov., sp. nov. affinis *F. Hildebrandtii*
(Engler) Milne-Redhead quae differt praecipue baccis bilobis
bilocularibus ; fructibus sphaericis appropinquatur *F. angolensi*
(Engler sub *Clausenopsi*) Chiov., comb. nov. quae arbor proceras
foliis 3–4-jugis multo majoribus, baccis 2–3-plo majoribus.

Frutex circ. 2 m. altus, ramis oppositis angulo semirecto
divaricatis cylindratis cicatricosis cortice cinereo-fusco tectis,
lenticellis leviter prominentibus subrotundis cortice concoloribus
rima longitudinali praeditis sparsis, junioribus adpresse hirtellis ;
macroblasti internodiis 5–15 mm. longis, brachyblasti torulosi
5–15 mm. longi, 2 mm. circ. crassi. *Folia* opposita, imparipinnata
2-juga, rarius unijuga ; petiolus 7–15 mm. longus, gracilis, supra
planus, 0.5 mm. latus, subtus teres, minute et sparse puberulus ;
rachis inter juga petiolo omnino similis 6–11 mm. longa ; foliola
chartacea sicco pallide virentia, in limbo parce diaphano-punctata,
in oris integris leviter deflexis glandulis permagnis tumidis translucidis
numerosis densis leviter venulata ; foliolium terminale sessile vel
raro petiolulo 3–5 mm. longo suffultum, coeteris majus obovatum
17–32 mm. longum 11–15 mm. latum basin versus e $\frac{1}{2}$ vel $\frac{3}{4}$ superiore
parte sensim lineis rectis vel paullum concavis attenuatum, apice
plerumque breviter angustatum, summitate obtusum, interdum plus

minusve rotundatum, raro utrisque extremitatibus subaequaliter breviter contractum; lateralia oblique ovata vel ovato-lanceolata, jugi superioris majora 11-23 mm. longa 4-10 mm. lata; inferioris 5-15 mm. longa 3-8 mm. lata, latere anteriore angustiore inferne cuneato, posteriore latiore basi rotundato; superficies utraeque glabrae, sed costa subtus valde prominens adpresse puberula, nervis utrinque 5-6 subtus leviter prominulis, venis omnino obsoletis. *Inflorescentiae* foliorum dimidiam partem aequantes, in brachyblastis sessiles vel pedunculo 3 mm. longo, ramis oppositis tetragonis; bracteae ovatae, 1.5-2 mm. longae, 0.5-1 mm. latae, puberulae; pedicelli fructiferi 6-8 mm. longi, tetragoni, puberuli. *Baccae* globosae, rubrae, 6-7 mm. diam. magnae, scrobiculato-punctatae, endocarpio membranaceo albido, 3-4-loculares. *Semina* 4-5, valde compressa, subrotunda vel ellipsoidea, 2.5-3 mm. longa, 2.5 mm. lata, 1.2 mm. spissa, testa coriacea ochroleuca vel flava.

SOMALILAND: on calcareous rocks with *Olea*, *Dodonaea viscosa*, *Acokanthera Schimperi*, at Burama, 1,500 m., long. 43° 10' E., lat. 10° N., 16.1.1933, Gillett n. 4844 (type in Kew and Bologna Herb.).

Teclea nobilis Del. in Ann. Sci. Nat. Ser. 2, 20: 90 (1843).
Toddalia nobilis Hook. f.—F.T.A. 1: 306.

SOMALILAND: Afard, long. 44° 8' E., lat. 10° 8' N., 1,170 m., in *Buxus* scrub, shrub 3 m., fls. yellow, fragrant, Oct., No. 4467.

ABYSSINIA: Galla Pass, long. 47° 19' E., lat. 9° 28' N., 2,340 m., scrub to *Podocarpus* forest, 3 m., fls. cream, Feb., No. 5136. Vernac.—*Buro* (Somali).

T. pilosa (Engl.) Verdoorn in Kew Bull. 1926: 407.

SOMALILAND: Duwi, long. 44° 15' E., lat. 10° 5' N., 1,140 m., in *Buxus* scrub, shrub 3 m., fls. greenish yellow, aromatic; Oct., No. 4407. Vernac.—*Bara gurun*.

Toddalia asiatica Lamk. Illustr. 2: 116 (1793).

ABYSSINIA: slopes of Sarerta Mt., long. 42° 19' E., lat. 9° 30' N., about 2,400 m., in evergreen forest, 4 m., fls. cream, Feb., No. 5182. Vernac.—*Gumuro*.

SIMARUBACEAE.

Balanites aegyptiaca Del.—F.T.A. 1: 315; F.W.T.A. 1: 484.

SOMALILAND: Dara weina, long. 44° 8' E., lat. 9° 40' N., up to 1,230 m., on sand, in *Acacia-Aloe* community, tree 5 m., fls. greenish-yellow, Oct., No. 4284. Vernac.—*Got*.

B. glabra Mildbr. & Schlecht. in Engl. Bot. Jahrb. 51: 163 (1913).

SOMALILAND: Hargeisa, long. 44° 1' E., lat. 9° 33' N., 1,290 m., among *Acacia* and *Aloe*, tree 3-5 m., fls. greenish, Sept., No. 3941.

ABYSSINIA: Gobelli, long. 41° 59' E., lat. 9° 10' N., 1,380 m., on granite in *Acacia* open wood, tree 5 m., ripe fruit orange, fls. green, Mar., No. 5262. Vernac.—*Kidi* (Somali).

B. orbicularis Sprague in Kew Bull. 1908: 57.

SOMALILAND: Afard, long. 44° 8' E., lat. 10° 10' N., 510 m., in deep sand at mountain foot, tree 6 m., fls. green, Oct., No. 4431. Vernac.—*Kulan*.—Also in Uganda.

Brucea antidysenterica Mill.—F.T.A. 1 : 309 ; F.W.T.A. 1 : 486.
ABYSSINIA : Mulkajibri, long. 42° 16' E., lat. 9° 24' N., 1,650 m.,
on granite, shrub 3 m., fls. brownish green, fr. red, Feb., No. 5083.
Vernac.—*Hadawi*.

BURSERACEAE.

Boswellia Bricchettii (Chiov.) Chiov., comb. nov. *Commiphora*
Bricchettii Chiov. Fl. Somalia 2 : 58 (1932).

SOMALILAND : Boundary Pillar 93, long. 45° 9' E., lat. 8° 37' N.,
990 m., shrub 3 m., fls. white, Oct., No. 4211. Vernac.—*Ged*
Fogr.—Endemic.

B. Carteri Birdw. in Trans. Linn. Soc. 27 : 143 (1870).

SOMALILAND : Marmar Gedke range, long. 42° 42' E., lat. 10°
32' N., on limestone rocks, tree 4 m., Nov., No. 4662. Vernac.—
Medi.—Also in Arabia.

Commiphora africana Engl. in DC. Monog. Phan. 4 : 14 (1883).

SOMALILAND : Hargeisa, long. 42° 2' E., lat. 9° 34' N., 1,290 m.,
sandy soil among *Aloes*, shrub 2 m., Oct., No. 4278. Rarele Mt.,
long. 43° 15' E., lat. 10° N., 1,800 m., tree 5 m., Dec., No. 4734.
Vernac.—*Disin Kakabi*.

C. ancistrophora Chiov. Fl. Somalia 2 : 111 (1932).

SOMALILAND : Afard, long. 44° 39' E., lat. 8° 47' N., 1,140 m.,
shrub 1 m., leaves greyish, Oct., No. 4144. Boundary Pillar 93,
shrub 2 m., very aromatic, Oct., No. 4203. Vernac.—*Alioi eh aliboy*.
Daseno. Garon.—Endemic.

Commiphora Anglosomaliae Chiov. sp. nov., incertae sedis, nullis
speciebus notis stricte referenda.

Rami elongati virgati 3–4 mm. spissi, internodiis 1–3 cm. longis,
hornotinis cortice cinereo leviter plicato-succulento glabro opaco
tectis, lenticellis sparsis parum manifestis et elevatis minutis rotundis
vel transverse ellipticis 0.5 mm. latis vel 0.6 mm. longis, fissura
transversa ; brachyblasti 2–23 mm. longi 3 mm. diam., crassi,
creberrime annulatum corrugati, apice squamis minutis triangularibus
1.5 mm. longis et fere latis subcoriaceis nitidulis brunneo-rufescen-
tibus praediti, interdum in spinam 5–10 mm. longam conicam
abeuntes quandoque alternatim dispositi ramulos anfractos spinosos
formantes. *Folia* in specimine desunt. *Flores* 3–5 fasciculati in
brachyblastis ; pedicelli 0.5–1 mm. longi, tenues, glabri. *Calyx*
1.5 mm. longus, tubo obtuse tetragono 1.25 mm. diam. lato, apice
dentibus 4 ovato-triangularibus 0.5 mm. longis 0.7 mm. latis, apice
obtusis ut tubus totus fusco coloratis, oris angustissime albo-
marginatis. *Petala* sicco purpurea, linearia, 6 mm. longa, 0.6–0.7
mm. lata, apice rotundata, basi e medio sensim angustata, stricte
appropinquata, apicibus curvato-divergentibus. *Stamina* cum
antherarum apicibus 1 mm. sub petalorum summitates attingentia.

SOMALILAND : Auboba, long. 43° E., lat. 10° 1' N., 1,590 m.,
shrub 2 m., fls. wine red tipped with dark green, 21 Nov., No. 4632
(type in Kew Herb.). Vernac.—*Hagar medu*.

Commiphora Bruceae Chiov. sp. nov. (§*Glabra, Integrifoliolata*).

Frutex ramosissimus undique glaberrimus, ramis adultis cortice plicato-anguloso violaceo-fusco, leviter cineraceo, elenticelloso; macroblasti spinosi, 1.5-6 mm. longi, fere angulo recto patentes; brachyblasti 1-2 mm. longi, folia fasciculata 3-5 et flores 1-3 fasciculatos gerentes. *Folia* omnia simplicia, glabra; petiolus 1 mm. longus, supra planus vel junior leviter sulcatus; laminae subcoriaceae, lineari-lanceolatae, 10-15 mm. longae, prope basin rotundatae vel breviter cuneatae, 2-3 mm. latae, marginibus subparallelis e $\frac{1}{4}$ vel $\frac{1}{3}$ suprema parte angustatae, apice acutae vel obtusiusculae, utrinque glaberrimae, sicco pallide virides subconcolores; margines integerrimi, plani vel leviter undulati, concolores, non incrassati; costa subtus valde elevata, subaurantiaca, supra plana vel vix elevata; nervi utrinque 5-6 filiformes subtilissimi, subtus colore obscuro vix manifesti, supra omnino evanidi. *Flores* minimi; pedicellus 0.2-0.5 mm. longus. *Calyx* cupulatus, 1 mm. longus, obtuse tetragonus, dentibus 4 ovatis obtusiusculis $\frac{1}{3}$ vel $\frac{1}{4}$ calycis aequantibus, apice obtusiusculis, sinu rotundato separatis. *Petala* 4, anguste linearia, 4-5 mm. longa, 0.6 mm. lata, marginibus parallelis, apice obtusa, leviter cucullato-emarginulata.

Speciminis fructiferi folia angusta elliptico-oblonga vel elliptico-lanceolata 3-4.5 cm. longa, marginibus subparallelis, 4-6 mm. lata, apice attenuato-acuta vel rotundato-obtusissima, basi anguste rotundata vel breviter cuneata. Bacca ovoidea, 10-12 mm. longa, 8-9 mm. lata, apice apiculata; nucleus compressus, orbicularis, 5-6 mm. longus et latus, 3-3.5 mm. spissus, 2-locularis, loculis aequalibus monospermis. Pseudoarillus non visus; exocarpium valde succoso-resinosum, flavescens.

SOMALILAND: Boundary, long. 44° 15' E., lat. 8° 58' N., 1,260 m., shrub 2 m., fls. dull yellow, 30 Sept., No. 4102 (type in Kew Herb.).

SOMALILAND: Jalelo, long. 44° 14' E., lat. 9° 45' N., 1,080 m., shrub 1 m., 16 Oct., No. 4291. Vernac.—*Goah*.

C. candidula Sprague in Hook. Ic. Pl. t. 3106 (1927).

SOMALILAND: Boundary, long. 44° 15' E., lat. 8° 57' N., 1,260 m., in shallow soil, shrub 2 m., stem with milky juice, leaves aromatic, much grazed, Sept., No. 4099. Boundary Pillar 93, long. 45° 9' E., lat. 8° 37' N., 990 m., fls. green, Oct., No. 4164. Vernac.—*Go-ah*; *Rahan-reb*.

C. crassispinia Sprague l.c. t. 3107.

SOMALILAND: Duwi, long. 44° 15' E., lat. 10° 5' N., 840-990 m., open scrub, shrub 3 m., leaves glossy, Oct., No. 4386. Vernac.—*Domod*.

Commiphora crenato-lobata Chiov. sp. nov. (§*Pilosa, Serratifoliolata*).

Frutex videtur inermis vel subspinosa, ramis vetustis cortice cinereo in violaceum vergente, serius longitudinaliter fissurato; brachyblasti 2-5 mm. longi, 2-5 mm. spissi. *Folia* in brachyblastis 3-5 fasciculata, omnia 3-foliolata, foliolis sessilibus valde inaequalibus; petiolus gracilis, 2-6 mm. longus, pilis minutis densiusculis

patentibus cinereo-pubescentibus; foliolum medium obovatum, 10-12 mm. longum, 10-18 mm. latum, apice rotundatum, vel saepe plus minusve profunde trilobatum, e $\frac{1}{2}$ vel $\frac{3}{4}$ superiore basin versus sensim cuneato-angustatum; supra sicco pallide viride, pilis brevissimis patentibus sparsum, subtus subalbicans in nervis et venis similibus densiuscule indutum; costa et nervi duo inferiores circ. $\frac{1}{3}$ inferiore inserti, caeteris crassiores et 2-3 superiores graciliores supra subtusque flavescentes, supra explanati subtus prominuli; venae eleganter reticulatae, colore fusco manifestae, explanatae; margines antichi plus minusve manifeste trilobulati et grosse crenato-dentati, dentibus rotundatis circ. 2 mm. latis 0.5-1 mm. longis. *Foliola* lateralia inaequilateraliter subrotunda, 2-5 mm. longa et lata, crenis 2-4 incisa ut medianum colore, trichomate et nervositate insignita.

Specimina tantum foliosa.

SOMALILAND: Boundary Pillar 93, long. 45° 9' E., lat. 8° 37' N., 990 m., bush 3 m., fls. reddish, 5 Oct., No. 4155 (type in Kew Herb.). Vernac.—*Mogoleh*.

C. crenulata (A. Terracc.) Chiov. Fl. Somalia 2: 75, fig. 40 (1932)—(fide Chiov.).

SOMALILAND: Boundary Pillar 93, 990 m., shrub 2 m., leaves glaucous, 6 Oct., No. 4184. Vernac.—*Mala wa hared*.—Endemic.

Commiphora cuspidata Chiov. sp. nov. *C. Playfairii* var. *benadirensis* Chiov. Fl. Somalia ii. 70 fig. 36 (1932); videtur species intermedia inter *C. rostratam* Engl. et *C. Playfairii* (Hook. f.) Engl., primam accedit ob fructum, secundam ob foliorum compositionem.

Frutex intricato-ramosus, ramis robustis rigidis vetustis cortice plicato-succulento cineraceo, macroblastis spinosis 1-7 cm. longis concis basii 4 mm. diam. circ. crassis, brachyblastis 1.5-2 mm. longis usque 2.5 mm. latis, squamulosis. *Folia* 3-6-fasciculata omnino glabra, trifoliolata; petiolus gracilis, 3-4 mm. longus, 0.3 mm. latus, supra planus, subtus semiteres; foliola sessilia, tenuiter chartacea, sicco cinereo-viridia, supra paulo intensius viridia; foliolum medium obovatum, 1-3 mm. longum, 0.5-1.5 mm. latum, apice rotundatum vel leviter contractum, basi e $\frac{1}{3}$ vel $\frac{1}{4}$ superiore parte sensim cuneato-attenuatum; margines integerrimi, plani; costa utrinque subconcolor, subtus parum elevata, supra explanata; nervi utrinque 3-5, subtus vix prominentes, supra evanidi; foliola lateralia minima, 0.8-5 mm. longa, 0.5-2.5 mm. lata, lanceolata vel ovato-lanceolata, utrinque subaequaliter attenuata et acutiuscula. *Inflorescentia* 1-3-flora; pedunculus crassus, circ. 1 mm. longus, glaber; bractae oppositae, latissime triangulari-ovatae, subconnatae, 0.5 mm. longae, 1 mm. latae, fuscae, glabrae; pedicelli subnulli; alabastra obovata, glabra, 5 mm. longa, apice 2 mm. crassa. *Calyx* glaber, carnosulus, infundibuliformis, 6 mm. longus, dentibus 4 ovato-triangularibus 1-1.5 mm. longis acutis. *Petala* non visa. *Fructus* fusce subrufescens, valde compressus, ovoideus, apice rostrato-acuminatus, basi calyce 4-fido persistente, laciniis linearibus ad 6 mm. longis suffultus, 9-11 mm. longus, 5-6 mm. latus, 3 mm. spissus, rostro acuto 2-3 mm. longo; exocarpium tenue fere

exsuccum; endocarpium ovoideo-acutum 7.5-8 mm. longum, 4 mm. latum, 2.5-3 mm. spissum, biloculare, loculis (an semper?) inaequalibus.

SOMALILAND: Duwi, long. 44° 15' E., lat. 10° 5' N., 840 m., shrub 2 m., fls. dull red, leaves pale green, 20 Oct., No. 4385. Vernac.—*Didin*.

C. Drake-Brockmannii Sprague in Hook. Ic. Pl. t. 3112 (1927).

SOMALILAND: Ali Wein Mt., long. 45° 15' E., lat. 10° 24' N., 450 m., steep sandstone slopes, small shrub 0.5 m., fruits purplish, Jan., No. 4818.—Endemic.

C. erythraea Engl. in DC. Monogr. Phan. 4: 20 (1883).

SOMALILAND: Boundary Pillar 93, long. 45° 9' E., lat. 8° 37' N., 990 m., tangled shrub, to 3 m., stems white, fls. yellow, 20 m., No. 4181. Duwi, long. 44° 15' E., lat. 10° 5' N., 840-990 m., steep rocky slopes, shrub 3 m., white stem, dominant in places, Oct., No. 4388. Vernac.—*Hagar*.

C. flaviflora Engl. Bot. Jahrb. 34: 304 (1904).

SOMALILAND: Boundary Pillar 93, long. 45° 9' E., lat. 8° 37' N., 990 m., Oct., No. 4198. Vernac.—*Rahan reb.*—Endemic.

Commiphora Gillettii Chiov. sp. nov. (§*Glabra*, *Integrifoliolata*).

Frutex inermis, divaricato-ramosus, ramis potius elongatis 2-13 mm. longis prope basin 2.5-3.5 mm. crassis, cortice cinereo plus minusve fusco variegato, interdum albicante; brachyblasti 1-3 mm. longi, 1.5 mm. lati, transverse corrugati, folia fasciculata 3-4 et fructus 1 vel interdum 2 gerentes. *Folia* semper trifoliolata, glaberrima; petiolus gracilis, 2.5-7 mm. longus, leviter compressus, utrinque convexus subtus magis, 0.3-4 mm. latus; foliola integerrima, sessilia, linearia, medium 8-17 mm. longum 0.6-1.1 mm. latum, ex apice rotundato sensim usque ad basin angustatum; lateralia mediano similia sed paulo breviora, 5-14 mm. longa, interdum plus minusve falcata, vix rigidula, utrinque concoloria, etiam sicco laete viridia; costa subtus concolor, leviter prominens, supra impressa, fusca; nervi omnino evanidi. *Pedicelli* fructiferi 2 mm. longi, tenues, glabri. *Calyx* submembranaceus, ample cupulatus vel plus minusve explanatus, basin fructus laxissime amplectens, circ. 2 mm. latus, dentibus 4 late triangularibus 0.25 mm. longis praeditus. *Fructus* non perfecte maturus ovoideus, 4.5 mm. longus, basi breviter contractus, apice breviter sed manifeste apiculatus, non compressus, 2.5-3 mm. diam., fuscus, longitudinaliter lineis 4 pallidis subtilibus aequidistantibus signatus.

SOMALILAND: Near Haiti tug, long. 45° 20' E., lat. 10° 22' N., 300 m., 2 m., very aromatic, fruits purplish, 5 Jan., No. 4817 (type in Kew Herb.).

Commiphora Gowllelo Sprague l.c. t. 3109.

SOMALILAND: Eil Demet, long. 44° 17' E., lat. 9° 53' N., 930 m., Oct., No. 4309. Boundary Pillar 99, long. 44° 39' E., lat. 8° 47' N., 1,140 m., shrub 1 m., fls. greenish yellow, almost sessile, aromatic, Oct., No. 4141; 4135. Vernac.—*Goah Tubbuk*.—Endemic.

C. lughensis Chiov. Fl. Somalia 2: 105 (1932) (fide Chiov.).

SOMALILAND: Wobleh, tree up to 6 m., bark white, Nov., No. 4587. Vernac.—*Hagar ad.*—Endemic.

Commiphora obovata Chiov. sp. nov. (§*Glabra, Integrifoliolata*); affinis *C. abyssinicae* Engl. a qua spinis subulatis gracilioribus, foliolis mediis obovatis integris, cortice cinereo-nigricante plicato-fissurato distincta.

Frutex ramis intricatis elongatis, juvenilibus glabris subulatis 2.5-3.5 cm. longis, e basi 1-1.5 mm. crassa sensim angustatis prius pruinoso-nigricantibus, demum siccando albescentibus acutissimis tenuibus tandem spinosis, folia 3-7 solitaria gerentibus, internodiis usque 17 mm. longis cylindricis; brachyblasti hemisphaerici in ramis adultis 2-3 mm. longis et latis, interdum ad basin ramulorum elongatorum tenuium ad instar pulvinis positi; rami senescentes cortice atro-cinereo, longitudinaliter plicatulo et minute fissurato. *Folia* omnia trifoliolata, vel interdum foliolo abortivo bifoliolata, glaberrima, in brachyblastis 3-5 fasciculata; petiolus 1-3 mm. longus, gracilis; foliolum medium obovatum, 4-13 mm. longum 2.5-10 mm. latum, apice ample rotundatum, integrum vel majora interdum levissime undulato-crenulata, basi cuneatum, sessile; lateralia minima, ovata vel elliptica vel obovata, 1-2 mm. longa, 0.5-1 mm. lata, obtusa; supra etiam sicco laete viridia, costa nervis utrinque 3-4 et venis reticulatis leviter impressis; subtus vix pallidiora, costa elevata, nervis vix conspicuis, venis obsoletis. *Drupa* subglobosa, 9-10 mm. diam. magna, apice breviter apiculata; endocarpium dorso leviter compressum, late convexum antice longitudinaliter angulo obtusiusculo ab apice usque ad basin carinatum; loculi duo, dorsale angustum sterile, anticum seminiferum.

SOMALILAND: Boundary Pillar 93, shrub 2 m., leaves glossy, 6 Oct., No. 4185 (type in Kew Herb.). Vernac.—*Shan maleiss*.

C. ogadensis Chiov. Fl. Somalia 2: 103 (1932) (fide Chiov.).

SOMALILAND: Wobleh, long. 43° 17' E., lat. 10° 15' N., 1,020-1,440 m., bush up to 5 m., Nov., No. 4586. Vernac.—*Hagar medu*.—Also in Abyssinia.

C. Opobalsamum Engl. var. *induta* Sprague.

SOMALILAND: near Eil Demet, long. 44° 17' E., lat. 9° 53' N., lava slopes, common shrub 2 m., Oct., No. 4307. Vernac.—*Daseno*.—Endemic.

Commiphora Playfairi (Hook. f.) Engl. in Engl. & Prantl Nat. Pflanzenfam. 3, 4: 253 (1896).

SOMALILAND: Boundary Pillar 99, long. 44° 39' E., lat. 8° 47' N., 1,140 m., shrub to 1.5 m., fls. reddish, Oct., No. 4143; 4145. Boundary Pillar 93, long. 45° 9' E., lat. 8° 37' N., 990 m., shrub 2 m., fls. reddish, Oct., No. 4160. Duwi, 1,200 m., Oct., No. 4378. Vernac.—*Golelu*.—Endemic.

C. resiniflua Martelli Fl. Bogos. 15 (1886).

SOMALILAND: Boundary Pillar 93, long. 45° 9' E., lat. 8° 37' N., 990 m., shrub 2-3 m., Oct., No. 4216.

ABYSSINIA: Gafra Valley, long. 42° 13' E., lat. 9° 21' N., 1,500 m., deciduous scrub on granite slopes, small tree to 3 m., fls. dark red, Feb., No. 5068. Vernac.—*Tubbuk* (Somali); *Anka* (Abyss.).—Also in Eritrea.

C. rostrata Engl. in Ann. Ist. Bot. Roma 7: 17 (1897).

SOMALILAND: Boundary Pillar 93, long. 45° 9' E., lat. 8° 37' N., 990 m., shrub 2 m., fls. red, Oct., No. 4210. Camp 4, long. 44° 16' E., lat. 10° N., 920 m., shrub 1 m., very aromatic, fls. dark red, Oct., No. 4352. Vernac.—*Chinow*; *Ali-oi-e*.—Endemic.

C. samharensis Schweinf. in Bull. Herb. Boiss. 7, App. 2: 290 (1899).

SOMALILAND: Boundary Pillar 93, long. 45° 9' E., lat. 8° 37' N., 990 m., shrub 2 m., fls. deep red, Oct., No. 4165. Vernac.—*Shan-mal-ais*.—Also in Eritrea.

C. Schimperii Engl. in DC. Monogr. Phan. 4: 13 (1883).

SOMALILAND: Boundary Pillar 105, long. 44° 10' E., lat. 8° 57' N., 1,290 m., in shallow soil, small shrub, Oct., No. 4233.

C. Tubuk Sprague in Hook. Ic. Pl. t. 3108 (1927).

SOMALILAND: near Eil Demet, long. 44° 17' E., lat. 9° 53' N., 960 m., lava slopes facing south, shrub 2 m., Oct., No. 4310. Afard, long. 44° 8' E., lat. 10° 8' N., 1,050 m., shrub 1 m., Oct., No. 4463. Vernac.—*Ged Goah*.—Endemic.

MELIACEAE.

Trichilia Volkensii Gürke in Engl. Bot. Jahrb. 19: Beibl. 47: 33 (1894).

ABYSSINIA: Galla Pass, long. 42° 19' E., lat. 9° 28' N., 2,340 m., on limestone, in remnants of *Podocarpus* forest, bushy tree, 4 m., fls. cream, Feb., No. 5126. Vernac.—*Tintoline*.

Ekebergia Ruppeliana A. Rich.—F.T.A. 1: 333.

ABYSSINIA: Boësesa valley, long. 42° 18' E., lat. 9° 29' N., 2,010 m., on granite, in remnants of evergreen forests, tree 8 m., fls. cream, Feb., No. 5172. Vernac.—*Löl*.

Turraea Holstii Gürke in Engl. Bot. Jahrb. 19: Beibl. 47: 35 (1894).

ABYSSINIA: Yuka, long. 41° 40' E., lat. 9° 25' N., 2,130 m., in *Podocarpus* forest, shrub 5 m., seeds orange, Mar., No. 5410.

T. parvifolia Deflers. in Bull. Soc. Bot. Fr. 42: 301 (1895).

SOMALILAND: Daraweina, long. 44° 10' E., lat. 9° 43' N., 1,110 m., bush 4 m., fls. yellow, Oct., No. 4285. Vernac.—*Domai*.

SAPINDACEAE.

Cardiospermum Corindum Linn. Sp. Pl. ed. II. 526 (1762), *C. canescens* Wall.—F.T.A. 1: 418.

SOMALILAND: Buramo, long. 43° 12' E., lat. 10° 1' N., 1,200 m., in *Acacia* open wood, climber, fls. white tipped with orange, Jan., No. 4887.

C. Halicacabum Linn.—F.T.A. 1: 417; F.W.T.A. 1: 498.

SOMALILAND: Buramo, long. 43° 10' E., lat. 10° N., 1,380 m., in *Acacia* open wood, Jan., No. 4842.

Allophylus abyssinicus (Hochst.) Radlk. in Engl. & Prantl, Nat. Pflanzenf. 3, 5: 313 (1895).

ABYSSINIA: Geldid, long. $41^{\circ} 48' E.$, lat. $9^{\circ} 15' N.$, 2,280–2,400 m., on limestone in half cleared *Podocarpus* forest, tree 5 m., fls. cream, Mar., No. 5392.

A. rubrifolius Engl. Hochgebirgsfl. 892 (1892).

SOMALILAND: Jifa Uri, long. $43^{\circ} 22' E.$, lat. $9^{\circ} 42' N.$, 1,680 m., on gneiss kopje, shrub 2 m., fls. yellowish, Jan., No. 4836. Hargeisa, 1,410 m., Oct., No. 4257.

Dodonaea viscosa Linn.—F.T.A. 1: 433; F.W.T.A. 1: 500.

SOMALILAND: Buramo, long. $43^{\circ} 10' E.$, lat. $10^{\circ} N.$, 1,500 m., among Acacias, shrub 2 m., fls. purplish green, Jan., No. 4857. Vernac.—*Hairimat*.

Pappaea capensis (Spreng.) Eckl. & Zeyh. Enum. Pl. Afr. Austr. 1: 53 (1834). *P. Radlkoferi Schweinf.* *P. ugandensis Bak. f.* *P. fulva Conrath.* *P. Schumanniana Schinz.*

SOMALILAND: Libah Hele Mt., long. $42^{\circ} E.$, lat. $10^{\circ} 20' N.$, 1,200–1,800 m., in *Buxus* evergreen scrub, tree 6 m., Dec., No. 4705.

ABYSSINIA: Harar, long. $42^{\circ} 10' E.$, lat. $9^{\circ} 20' N.$, 1,650 m., on granite, Feb., No. 5058. Vernacs.—*Adadak* (Somali), and *Bika* (Abyss.).—Also in Eritrea.

MELIANTHACEAE.

Bersama abyssinica Fresen.—F.T.A. 1: 434.

ABYSSINIA: Yuka, long. $41^{\circ} 40' E.$, lat. $9^{\circ} 25' N.$, 2,430 m., on limestone slopes in remnants of *Podocarpus* forest, tree 4 m., fls. white, Mar., No. 5428. Vernac.—*Sombo*.

ANACARDIACEAE.

Rhus abyssinica Hochst. ex A. Rich.—F.T.A. 1: 438.

ABYSSINIA: Galla Pass, long. $42^{\circ} 19' E.$, lat. $9^{\circ} 28' N.$, 2,400 m., remnant of evergreen forest, 4 m., fls. greenish, Feb., No. 5204. Vernac.—*Gomo*.

R. glutinosa Hochst. ex A. Rich.—F.T.A. 1: 438.

ABYSSINIA: Gafra valley; long. $42^{\circ} 13' E.$, lat. $9^{\circ} 21' N.$, 1,530 m., on granite slopes in upper deciduous scrub, shrub 2 m., Feb., No. 5073. Vernac.—*At esa*.—Also in Tanganyika Territory.

R. natalensis Bernh. ex Krauss in Flora 27: 349 (1844).

SOMALILAND: Hargeisa, long. $44^{\circ} E.$, lat. $9^{\circ} 35' N.$, 1,350–1,530 m., on rocky slopes, shrub 3 m., Oct., No. 4270. Duwi, long. $44^{\circ} 15' E.$, lat. $10^{\circ} 5' N.$, 1,140 m., in *Buxus* scrub, 3 m., fls. greenish, Oct., No. 4411. Libah Hele Mt., long. $43^{\circ} E.$, lat. $10^{\circ} 20' N.$, 1,770 m., on fringe of *Juniperus* forest, shrub 2 m., Dec., No. 4707. Vernac.—*Ilka ade*.

R. retinorrhoea Steud.—F.T.A. 1: 438.

SOMALILAND: Birda Mt., long. $43^{\circ} E.$, lat. $10^{\circ} 20' N.$, 1,620 m., on limestone cliffs with *Buxus*, shrub 2 m., fls. cream, Nov., No. 4675.

ABYSSINIA: Ridge south west of Harar, long. $42^{\circ} 6' E.$, lat. $9^{\circ} 17' N.$, 1,950 m., on limestone, shrub 2 m., Mar., No. 5249. Vernac.—*Mugan* (Abyss.).

Heeria insignis O. Ktze, Rev. Gen. 1 : 152 (1891); F.W.T.A. 1 : 512. *Rhus insignis* Del.—F.T.A. 1 : 437.

SOMALILAND : Birda Mt., long. 43° E., lat. 10° 20' N., 1,590 m., on limestone in *Buxus* scrub, small tree 3 m., Nov., No. 4674.

ABYSSINIA : Gobelli, long. 41° 59' E., lat. 9° 10' N., 1,650 m., Mar., No. 5258. Vernac.—*Wigir ad ad* (Somali).

Lannea malifolia (Chiov.) Hutch. et E. A. Bruce, comb. nov. *Odina malifolia* Chiov. Fl. Somala 133, tab. 12, fig. 1 (1929).

SOMALILAND : Duwi, long. 44° 15' E., lat. 10° 5' N., 1,260 m., in *Buxus* scrub, tree 7 m., fls. greenish, Oct., No. 4421; long. 43° 16' E., lat. 10° 5' N., 1,140 m., on rock, with *Buxus*, tree 4 m., Nov., No. 4596. Goton E., long. 42° 54' E., lat. 10° 9' N., 1,530 m., on limestone slope with *Combretum-Grewia-Dodonaea*, tree 5 m., fls. yellowish, Nov., No. 4637. Vernacs.—*Hria eji*; *Bero*.—Endemic.

L. Schimperi (Hochst.) Engl. in Engl. & Prantl, Pflanzenfam. Nachtr. 1 : 213 (1897).

ABYSSINIA : Gobelli valley, long. 41° 59' E., lat. 9° 10' N., 1,500 m., on granite in evergreen scrub, tree 4 m., Mar., No. 5263. Vernac.—*Dareko*.

L. triphylla Engl. in Engl. & Prantl, Pflanzenfam. Nachtr. 1 : 213 (1897).

SOMALILAND : Boundary Pillar 93, long. 45° 9' E., lat. 8° 37' N., 990 m., shrub 2 m., Oct., No. 4183. Vernac.—*Lejidi*.

Pistacia falcata Becc. ex Martelli Fl. Bogos. 24 (1886).

SOMALILAND : Auboba, long. 43° E., 10° 6' N., 1,620 m., on mountain slope with *Dodonaea-Acokanthera*, tree 10 m., Nov., No. 4619. Vernac.—*Hra-a-mali*.

P. Lentiscus L. var. *emarginata* Engl. in DC. Monogr. 4 : 286 (1883).

SOMALILAND : Libah Hele Mt., long. 43° E., lat. 10° 20' N., 1,560–1,790 m., on limestone in *Buxus-Juniperus* scrub, tree 4 m., Dec., No. 4697. Vernac.—*Ula aso*.

ARALIACEAE.

Cussonia Holstii Harms ex Engl. in Abh. Preuss. Akad. Wiss. 64 (1894).

SOMALILAND : Duwi, long. 44° 15' E., lat. 10° 5' N., 1,110–1,260 m., in *Buxus* scrub, tree 6 m. high, Oct., No. 4416.

ABYSSINIA : Gobelli, long. 41° 59' E., lat. 9° 10' N., 1,590 m., Mar., No. 5268. Vernac.—*Wahara gū* (Somali).

Schefflera abyssinica (Hochst.) Harms in Engl. & Prantl, Nat. Pflanzenfam. 3, 8 : 38 (1894).

ABYSSINIA : Galla Pass, long. 42° 19' E., lat. 9° 28' N., 2,340 m., in remnants of evergreen forest, spreading tree like a walnut, 20 m. high, fls. yellow, Feb., No. 5124. Vernac.—*Mafratu*.—Also in Uganda.

UMBELLIFERAE.

Hydrocotyle asiatica Linn.—F.T.A. 3 : 6 ; F.W.T.A. 1 : 522.

ABYSSINIA : Gorla-Kolubi track, long. $41^{\circ} 45' E.$, lat. $9^{\circ} 22' N.$, 2,610 m., in grassland, fls. purplish, Mar., No. 5403.

H. monticola Hook. f.—F.W.T.A. 1 : 522.

ABYSSINIA : Geldid, long. $41^{\circ} 48' E.$, lat. $9^{\circ} 15' N.$, 2,430 m., in open marsh, fls. purple, Mar., No. 5386.

H. natans Cyr.—F.T.A. 3 : 5.

ABYSSINIA : Kolubi-Harar road, long. $41^{\circ} 50' E.$, lat. $9^{\circ} 25' N.$, 2,100 m., in pools of water and on limestone mud, fls. greenish, growing densely, Mar., No. 5462.

Pimpinella Neumannii Engl. in Sitz. Preuss. Akad. Wiss. 40 : 746 (1906), nomen.

Herba usque ad 30 cm. alta, heterophylla, basi foliorum reliquiis fibrosis induta ; caules crebre costati, pubescentes. *Folia* fere glabra, valde variabilia, pauca simplicia et ovato-elliptica, basi cordata, apice rotundata, circiter 2 cm. longa et 1 cm. lata, crenatodentata, alia trifoliolata, foliolis folio simplici similibus, caetera pinnatipartita, segmentis linearibus subintegris ; petioli pubescentes. *Umbellae* longe pedunculatae, compositae, primariae circiter 12-radiatae, secundariae circiter 20-radiatae, ebracteatae ; pedunculi secundarii circiter 2 cm. longi, pubescentes ; pedicelli 2-3 mm. longi, pubescentes. *Flores* albi. *Calyx* obsoletus. *Petala* obovata, circiter 1 mm. longa, extra parte pubescentia. *Stamina* petalis leviter longiora. *Hypanthium* ovoideo-ellipsoideum, dense pubescens. *Styli* divergentes.

ABYSSINIA : Gara mulata Mt., long. $41^{\circ} 48' E.$, lat. $9^{\circ} 12' N.$, 2,730 m., on limestone in *Podocarpus-Juniperus* forest, fls. white, 3 Mar., No. 5324.

P. sinensis Benth. & Hk. f.—F.T.A. 3 : 14.

ABYSSINIA : Gara mulata Mt., long. $41^{\circ} 48' E.$, lat. $9^{\circ} 12' N.$, 2,700 m., in evergreen forest, fls. white, Mar., No. 5299.

Apium nodiflorum Linn.—F.T.A. 3 : 11.

ABYSSINIA : Geldid, long. $41^{\circ} 48' E.$, lat. $9^{\circ} 15' N.$, 2,430 m., in shaded marsh, fls. white, stem trailing, Mar., No. 5385.

Peucedanum fraxinifolium Hiern—F.T.A. 3 : 22 ; F.W.T.A. 1 : 523.

SOMALILAND : Duwi Pass, long. $44^{\circ} 15' E.$, lat. $10^{\circ} 5' N.$, 900 m., steep rocky slopes in gullies, tree 3 m. high, Oct., No. 4383. Vernac.—*Ged Bidawi*.

Sanicula europaea Linn.—F.T.A. 3 : 8 ; F.W.T.A. 1 : 523.

ABYSSINIA : Gara mulata Mt., long. $41^{\circ} 48' E.$, lat. $9^{\circ} 12' N.$, 2,580 m., on limestone, fls. white, Mar., No. 5297.

Torilis arvensis (Huds.) Link Enum. Hort. Berol. 1 : 265 (1821-2). *Caucalis arvensis* Huds. *C. infesta* (Linn.) Spreng.—F.T.A. 3 : 26.

ABYSSINIA : Yuka, long. $41^{\circ} 40' E.$, lat. $9^{\circ} 25' N.$, 2,700 m., on limestone near stream, fls. white, Mar., No. 5441.

Caulalis incognita Norman in Journ. Bot. 1934: 205.

ABYSSINIA: Gara mulata Mt., long. $41^{\circ} 48' E.$, lat. $9^{\circ} 12' N.$, 2,580 m., on limestone in damp places, fls. white, fruit with reddish-brown bristles, Mar., No. 5295.

C. melanantha Steud.—F.T.A. 3: 26; F.W.T.A. 1: 523.

ABYSSINIA: Gara mulata Mt., long. $41^{\circ} 48' E.$, lat. $9^{\circ} 12' N.$, 2,820 m., on short grass, fls. dark purple, Mar., No. 5325.

Conium maculatum Linn.—F.T.A. 3: 9.

ABYSSINIA: Kondudo Mt., long. $42^{\circ} 20' E.$, lat. $9^{\circ} 27' N.$, 2,520 m., on limestone slopes, fls. white, Feb., No. 5208. Vernac.—*Chof chof*.

Daucus Carota Linn.—F.T.A. 3: 25.

ADEN: 150–360 m., on lava in shady places, fls. white, Mar., No. 5500.

Ferula communis Linn.—F.T.A. 3: 18.

SOMALILAND: Wobleh mt., long. $43^{\circ} 17' E.$, lat. $10^{\circ} 15' N.$, 1,620 m., open gaps among Juniper, leaves glaucous, Feb., No. 4986.

Malabaila abyssinica Boiss.—F.T.A. 3: 24.

ABYSSINIA: Kondudo Mt., long. $42^{\circ} 20' E.$, lat. $9^{\circ} 27' N.$, 2,700 m., in rank herbage on N. facing limestone slope, fls. white, plant 1.6 m. high, Feb., No. 5217. Vernac.—*Mara ma chichite*.

ERICACEAE.

Erica arborea Linn.—F.T.A. 3: 483.

ABYSSINIA: Gara mulata Mt., long. $41^{\circ} 48' E.$, lat. $9^{\circ} 12' N.$, 2,820 m., limestone mtn., dominant, shrub 3 m., 3 Mar., No. 5307. Vernac.—*Wadadi*.

EBENACEAE.

Euclea Kellau Hochst.—F.T.A. 3: 514.

SOMALILAND: Hargeisa, long. $44^{\circ} E.$, lat. $9^{\circ} 35' N.$, 1,530 m., on rocks, shrub 1 m., Oct., No. 4272. Barataga, long. $44^{\circ} 1' E.$, lat. $10^{\circ} 5' N.$, 1,290 m., in *Buxus-Acokanthera* scrub, shrub 3 m., Oct., No. 4520.

ABYSSINIA: Gafra valley, long. $42^{\circ} 13' E.$, lat. $9^{\circ} 21' N.$, 1,590 m., shrub 2 m., fls. white, Feb., No. 5069. Vernac.—*Mayer* (Somali); *Dubobis*; *Dudohō*.

SAPOTACEAE.

Sideroxylon diospyroides Baker—F.T.A. 3: 502.

SOMALILAND: Barataga Mtn., long. $44^{\circ} 1' E.$, lat. $10^{\circ} 9' N.$, 1,290 m., in *Buxus-Acokanthera* scrub, fls. cream, Oct., No. 4516. Libah Hele Mtn., long. $43^{\circ} E.$, lat. $10^{\circ} 20' N.$, 1,410 m., spreading tree 5 m., fls. brownish, Dec., No. 4701. Dobo Pass, long. $43^{\circ} 15' E.$, lat. $10^{\circ} 15' N.$, 1,140 m., limestone gorge, tree 4 m., fls. cream, Feb., No. 4960. Vernac.—*Berde yer*; *Hamesh*.

Sideroxylon Gillettii Hutch. et E. A. Bruce, sp. nov., affinis *S. Oxyacanthae* Baill., sed foliis spatulato-obovatis nervis lateralibus paucioribus, floribus subsessilibus staminodiis caudato-apiculatis differt.

Arbor parva, ad 6 m. alta; rami mox glabri; ramuli hornotini cinereo-puberuli, interdum apice spinosi. *Folia* breviter petiolata, spatulato-obovata, apice rotundata, basi angustata, 2.5-3.5 cm. longa, 1-1.5 cm. lata, coriacea, infra glauco-viridia, glabra, nervis indistinctis. *Flores* subsessiles, in axillis foliorum glomerati. *Calyx* profunde lobatus; lobi ovati, apice subacuti, 1.5 mm. longi, adpresse pubescentes. *Corollae* tubus late campanulatus, circiter 1 mm. longus, fauce 2 mm. diametro, glaber; lobi 5, ovati, apice acuti, 1.2 mm. longi, glabri. *Stamina* basi corollae loborum inserta, filamentis patulis circiter 2 mm. longis, antheris parvis oblongis 0.5 mm. longis. *Staminodia* ovato-triangularia, circiter 0.6 mm. longa (apice excluso), apice longe caudata (0.5 mm.) et lateraliter 2-dentata. *Ovarium* subglobosum, dense hirsutum, 1 mm. longum, stylo 3 mm. longo basi excepta glabro.

SOMALILAND: Auboba, 1,740 m., 21 Sept., No. 4622. Auboba, long. 43° E., lat. 10° 6' N., 1,710-1,830 m., on limestone slopes with *Acokanthera*, *Olea*, *Combretum* and *Dodonaea*, tree 6 m., fls. cream, 21 Nov., No. 4624. Rarele Mt., near Buramo, long. 43° 15' E., lat. 10° N., 1,740 m., on gneiss slopes, small tree 4 m., fls. dull, 29 Dec., No. 4733 (type in Kew Herb.). Vernac.—*She*.

Sideroxylon Oxyacantha Baill. in Bull. Soc. Linn. Paris 943 (1891).

ABYSSINIA: Kondudo Mt., long. 42° 18' E., lat. 9° 27' N., 2,100 m., in *Juniperus* forest, tree 4 m., fls. white, Feb., No. 5107. Vernac.—*Gombolelea*.

Mimusops Kummel Hochst.—F.T.A. 3: 508.

SOMALILAND: Biju Suldán, long. 43° E., lat. 10° 20' N., 980-1,350 m., limestone slopes, tree 10 m., Dec., No. 4690.

ABYSSINIA: Gafra valley, long. 42° 13' E., lat. 9° 21' N., 1,500 m., tree 30 m., fls. white, Feb., No. 5242. Vernac.—*Anjel* (Somali); *Naga Kadadi* (Abyss.).

MYRSINACEAE.

Maesa lanceolata Forssk.—F.T.A. 3: 492; F.W.T.A. 2: 16.

ABYSSINIA: Galla Pass, long. 42° 19' E., lat. 9° 28' N., 2,100 m., tree 6 m., fls. cream, Feb., No. 5128. Vernac.—*Abaiyi*.

Myrsine africana Linn.—F.T.A. 3: 493.

SOMALILAND: Jifa meidir, long. 43° 15' E., lat. 9° 43' N., 1,740 m., 60 cm., fls. dark red, Jan., No. 4867.

ABYSSINIA: Galla Pass, long. 42° 19' E., lat. 9° 28' N., 2,400 m., 1 m., Feb., No. 5143. Vernac.—*Gujamo*.

LOGANIACEAE.

Buddleja polystachya Fresen.—F.T.A. 4, 1: 515.

ABYSSINIA: Gara Mulata Mt., long. 41° 48' E., lat. 9° 12' N., 2,430 m., small tree, 4 m., fls. orange, Mar., No. 5283.

Lachnophyllis congesta (R. Br.) C. A. Smith in Kew Bull. 1930 : 17.
Nuxia congesta R. Br.—F.T.A. 4, 1 : 512.

ABYSSINIA : Galla Pass, long. 42° 19' E., lat. 9° 28' N., 2,460 m., tree 12 m., fls. white, Feb., No. 5156.

L. oppositifolia Hochst. in Flora 26 : 77 (1843). *Nuxia dentata* R. Br.—F.T.A. 4, 1 : 513.

SOMALILAND : Bija suldan, long. 43° E., lat. 10° 20' N., 1,110 m., willow-like tree up to 6 m., fls. white, Dec., No. 4693. Vernac.—*Defidid*. Wood used for making milk-vessels.

OLEACEAE.

Olea chrysophylla Lamk.—F.T.A. 4, 1 : 18. *O. somalensis* Baker—F.T.A. 4, 1 : 18.

SOMALILAND : Simodi, long. 43° 30' E., lat. 10° 5' N., 1,260–1,740 m., common, small tree 5 m., Nov., No. 4566. Berdale Mt., long. 43° E., lat. 10° 20' N., 1,380–1,710 m., on schist, tree 8 m., Dec., No. 4683.

ABYSSINIA : Sarerta Mt., long. 42° 19' E., lat. 9° 30' N., 2,400 m., tree 6 m., Feb., No. 5179. Vernac.—*Wigir* (Somali) ; *Wera* (Abyss.).

O. Hochstetteri Baker—F.T.A. 4, 1 : 17.

ABYSSINIA : Gara Mulata Mt., long. 41° 48' E., lat. 9° 12' N., 2,730 m., limestone, tree 20 m., fls. white, Mar., No. 5358.

Jasminum abyssinicum R. Br.—F.T.A. 4, 1 : 11.

ABYSSINIA : Galla Pass, long. 42° 19' E., lat. 9° 28' N., 2,550 m., fls. white, fragrant, Feb., No. 5151. Gara Mulata Mt., 2,790 m., climber, fls. white, Mar., No. 5326.

J. floribundum R. Br.—F.T.A. 4, 1 : 13.

SOMALILAND : Hargeisa, long. 44° E., lat. 9° 35' N., 1,530 m., on rocks, shrub 2 m., fls. white, red outside, Oct., No. 4271.

ABYSSINIA : Harar, long. 42° 10' E., lat. 9° 20' N., 1,650 m., climber, Feb., No. 5050. Vernac.—*Bilu*.

J. mauritanium Boj.—F.T.A. 4, 1 : 10.

SOMALILAND : Satoa, long. 43° 5' E., lat. 9° 59' N., 1,500 m., on steep slopes, fls. white, very fragrant, Nov., No. 4616. Buramo, Dumuk, long. 43° 12' E., lat. 10° 1' N., 1,170 m., fls. white, Jan., No. 4889. Vernac.—*Da-ali*.

J. Steudneri Schweinf. ex Baker—F.T.A. 4, 1 : 12.

SOMALILAND : Duwi, long. 44° 15' E., lat. 10° 5' N., 1,140 m., scandent shrub, fls. white, red outside, sweetly scented at night, Oct., No. 4408. Vernac.—*Dumbar*.

APOCYNACEAE.

Adenium obesum (Forssk.) Roem. & Sch. Syst. 4 : 411 (1819).

A. coetaneum Stapf—F.T.A. 4, 1 : 227.

ADEN : 210 m., on lava, 1 m., fls. rose, Mar., No. 5508.

A. somalense Balf. f.—F.T.A. 4, 1: 228.

SOMALILAND: long. 44° 18' E., lat. 9° 57' N., 810 m., small shrub, 0.3 m., fls. bright red, Oct., No. 4343.

var. *crispum* Chiov.

SOMALILAND: Boundary Pillar 93, long. 45° 9' E., lat. 8° 37' N., 990 m., shrub 0.5 m., fls. bright red, Oct., No. 4149. Vernac.—*Warrab Karon*.

Acokanthera Schimperii Schweinf.—F.T.A. 4, 1: 93.

SOMALILAND: Duwi, long. 44° 15' E., lat. 10° 5' N., 1,050–1,200 m., small tree 5 m., arrow poison, Oct., No. 4380. Auboba, long. 43° E., lat. 10° 6' N., 1,590–1,800 m., on limestone slopes, shrub 5 m., fls. pink and white, sweet scented, Nov., No. 4621.

ABYSSINIA: Gobelli, long. 41° 59' E., lat. 9° 10' N., 1,590 m., on granite slopes, tree 4 m., fls. pinkish, Mar., No. 5265. Vernac.—*Waba* (Somali); *Gararo* (Abyss.).

Carissa edulis Vahl—F.T.A. 4, 1: 89.

SOMALILAND: Wobleh, long. 43° 17' E., lat. 10° 15' N., 1,740 m., on mountain top, weak shrub, fr. red, Nov., No. 4590.

ABYSSINIA: Harar, long. 42° 6' E., lat. 9° 18' N., 1,950 m., shrub 2 m., fls. pink and white, Feb., No. 5003.

var. *tomentosa* Stapf.

SOMALILAND: Wobleh, No. 4591.

ABYSSINIA: Harar, No. 5044. Vernac.—*Degwud* (Somali); *Agamsa*; *Agam* (Abyss.).

ASCLEPIADACEAE.

Periploca aphylla Decne—F.T.A. 4, 1: 257.

SOMALILAND: Libah Hele Mt., long. 43° E., lat. 10° 20' N., 1,500 m., Dec., No. 4698. Vernac.—*Aan orle*.

P. ephedrififormis Schweinf. ex Defflers in Mém. Inst. Egypt. 3: 256 (1896).

SOMALILAND: Kabri Bahr, long. 43° 44' E., lat. 10° 20' N., 750–900 m., shrub 3 m., fls. yellowish green, Nov., No. 4548.

ABYSSINIA: Yuka, long. 41° 40' E., lat. 9° 27' N., 1,680 m., 1 m., fls. yellowish green, Mar., No. 5456. Vernac.—*Gesa rioli*; *Aan orle* (Somali).—Also in Arabia.

P. linearifolia Dill. & Rich.—F.T.A. 4, 1: 257.

ABYSSINIA: Geldid, long. 41° 48' E., lat. 9° 15' N., 2,280 m., climber, fls. pale yellow, Mar., No. 5391.

Cryptolepis Gillettii Hutch. et E. A. Bruce, sp. nov. affinis *C. deciduae* N.E. Br., sed foliis et pedicellis puberulis, coronae lobis brevioribus differt.

Suffrutex 0.5 m. altus, intricate ramosus, ramis cinereis adultis 5 mm. diametro. *Folia* in ramulis abbreviatis disposita, subsessilia, lineari-oblongata, obtuse mucronata, 2–2.5 cm. longa, circiter 3 mm. lata, utrinque minutissime puberula, nervis inconspicuis. *Flores* solitarii; pedicelli 3–4 mm. longi, puberuli, basin versus bracteolis linearibus instructi. *Calycis lobi* lineari-lanceolati, subacuti, 2 mm. longi, puberuli. *Corollae tubus* 2 mm. longus; lobi

lineares, 7 mm. longi, induplicati. *Coronae lobi* subulati. *Antherae* 1 mm. longae, acuminatae. *Folliculi* lineari-falcati, 6 cm. longi, glabri. *Semina* late linearia, 7 mm. longa, minute tuberculata.

SOMALILAND: Dubar, long. $45^{\circ} 5' E.$, lat. $10^{\circ} 20' N.$, 300 m., 0.5 m. high, fls. greenish yellow, 2 Jan., No. 4773 (type in Kew Herb.). Vernac.—*Ula as.*

Secamone punctulata Decne.—F.T.A. 4, 1: 284.

SOMALILAND: near Wabwanak Peak, long. $43^{\circ} E.$, lat. $10^{\circ} 20' N.$, 1,560 m., climber, fls. orange, Dec., No. 4711.

ABYSSINIA: Gobelli, long. $41^{\circ} 59' E.$, lat. $9^{\circ} 10' N.$, 1,590 m., fls. yellow, Mar., No. 5267. Vernac.—*Gesariad* (Somali).

Cynanchum defoliascens K. Schum.—F.T.A. 4: 400.

SOMALILAND: Boundary Pillar 93, long. $45^{\circ} 9' E.$, lat. $8^{\circ} 37' N.$, 990 m., fls. greenish, Oct., No. 4187.—Endemic.

Cynanchum falcatum Hutch. et E. A. Bruce, sp. nov., affinis *C. hastifolium* N.E. Br., sed foliis basi haud hastatis pubescentibus linearibus falcatis differt.

Frutex scandens; caules graciles, pubescentes. *Folia* linearia, falcata, basi inaequaliter truncata vel rotundata, apice subacuta, 2-3.5 cm. longa, 2-3 mm. lata, utrinque crispato-pubescentia, costa media utrinque prominente; petioli 0.5-1 cm. longi, pubescentes. *Umbellae* subsessiles, 5-6-florae; pedicelli 3-4 mm. longi, parce puberuli. *Calycis lobi* ovato-triangulares, acuti, 1 mm. longi, puberuli. *Corollae lobi* oblongo-lanceolati, subacuti, 2.5 mm. longi, 1.5 mm. lati; tubus 1.5 mm. longus. *Corona* cupularis, 1.5-2 mm. alta, lobis latissimis circiter 2 mm. latis apice breviter cuspidatis. *Columna staminatis* corona brevior. *Antherarum appendices* membranaceae, ovato-orbitulares, 0.8 mm. longae. *Stylus* conicus, appendicibus antherarum subaequalis.

SOMALILAND: Boundary, long. $44^{\circ} 10' E.$, lat. $8^{\circ} 57' N.$, 1,290 m., fls. greenish-yellow, 4 Oct., No. 4114 (type in Kew Herb.). Vernac.—*Hayab*; *Gessariad*.

C. hastifolium N.E. Br.—F.T.A. 4, 1: 397.

SOMALILAND: Dobo Pass, long. $43^{\circ} 15' E.$, lat. $10^{\circ} 15' N.$, 1,200 m., fls. green and white, Feb., No. 4952.

C. sarcostemmatoides K. Sch.—F.T.A. 4, 1: 399.

SOMALILAND: Hargeisa, 1,290 m., fls. cream, Sept., No. 3939. Vernac.—*Debina Dir*.

C. somaliense N.E. Br.—F.T.A. 4, 1: 398.

SOMALILAND: Hargeisa, 1,290 m., suffruticose, fls. dull yellow, Sept., No. 3977. Boundary Pillar 93, No. 4173. Vernac.—*Uneho*.—Endemic.

C. validum N.E. Br.—F.T.A. 4, 1: 398.

SOMALILAND: Libah Hele Range, long. $43^{\circ} E.$, lat. $10^{\circ} 20' N.$, 1,200 m., climbing with grey juicy stems, Dec., No. 4704. Jifa Meidir, long. $43^{\circ} 15' E.$, lat. $9^{\circ} 43' N.$, 1,710 m., fls. yellow with dark red at base of corona lobes, Jan., No. 4863. Vernac.—*Minsar*.

Pentatropis spiralis (Forssk.) Decne in Ann. Sci. Nat. Ser. 2, 9 : 327 (1838). *P. cynanchoides* R. Br.—F.T.A. 4, 1 : 380.

SOMALILAND : Hargeisa, fls. yellow, Sept., No. 4050. Biyu Arnot, long. 42° 42' E., lat. 10° 32' N., 840 m., climber, fls. cream, Nov., No. 4661. Vernac.—*Hayab*.

Pergularia Daemia (Forssk.) Chiov. Result. Sci. Miss. Stefan. Paoli Somal. Ital. 1 : 115 (1916). *Daemia extensa* R. Br.—F.T.A. 4, 1 : 387.

SOMALILAND : Hargeisa, 1,290 m., climbing, fls. green and cream, Sept., No. 3986.

var. *macrantha* Chiov.

SOMALILAND : Boundary Pillar 99, long. 44° 39' E., lat. 8° 47' N., 1,140 m., Oct., No. 4146. Vernac.—*Assuro*.

P. tomentosa Linn. Mant. 1 : 53 (1767). *Daemia cordata* R. Br.—F.T.A. 4, 1 : 386.

SOMALILAND : Elmis, long. 44° 14' E., lat. 10° 22' N., 480 m., fls. greenish yellow, tinged with red, Oct., No. 4500.

Kanahia laniflora R. Br.—F.T.A. 4, 1 : 296.

ABYSSINIA : Gafra Valley, long. 42° 13' E., lat. 9° 21' N., 1,500 m., 0.8 m., fls. white, Feb., No. 5237.

Pentarrhinum insipidum E. Mey.—F.T.A. 4, 1 : 378.

SOMALILAND : Hargeisa, 1,290 m., creeper, fls. cream, Sept., No. 3921. Vernac.—*Haiyab*; *Uneho*.

Steinheilium radians (Forssk.) Decne in Ann. Sci. Nat. Ser. 2, 9 : 339, t. 12 (1838).

SOMALILAND : Berbera, corolla-tube brownish green, limb bright yellow, Jan., No. 4755. Vernac.—*Subka*.—Also in Arabia.

Glossonema Boveanum Decne—F.T.A. 4, 1 : 292.

SOMALILAND : Berbera, 30 m., plant whitish, fls. white and brown, Jan., No. 4762. Vernac.—*Subka*.

Glossonema hispidum Hutch. et E. A. Bruce, sp. nov. *G. Thruppii* Oliv. valde affinis sed foliis angustioribus et minoribus, pedunculo nullo (floribus fasciculatis) differt.

Caules prope basin ramosi, straminei, usque ad 15 cm. longi, hispidi. *Folia* sessilia, oblongo-oblancoolata vel oblanceolata, apice rotundata et apiculata, basi angustata, 1.5–3 cm. longa, usque ad 1 cm. lata, margine hispido-ciliata, utrinque parce hispida, nervis inconspicuis. *Flores* pallide flavi, fasciculati, fasciculis extra-axillaribus 3–4-floris; pedicelli 3 mm. longi, hispidi; bractee subulatae. *Calycis lobi* lineari-subulati, 2.5 mm. longi, hispidi. *Corolla* late patelliformis, glabra, limbo circiter 7 mm. diametro, lobis ovato-triangularibus subobtusis 2.5 mm. longis. *Coronae lobi* ovato-elliptici, 2 mm. longi, apice emarginati et cucullati, dimidio superiore liberi, glabri. *Columna staminalis* 0.5 mm. longa. *Stylus* apice disciformis.

SOMALILAND : Boundary, long. 44° 10' E., lat. 8° 57' N., 1,260 m., fls. dull yellow, 29 Sept., No. 4081 (type in Kew Herb.). Vernac.—*Subka*.

G. Revoilii Franch.—F.T.A. 4, 1: 292.

SOMALILAND: Boundary Pillar 93, long. 45° 9' E., lat. 8° 37' N., 990 m., fls. yellow, Oct., No. 4218. Dobo-Pass, long. 43° 15' E., lat. 10° 15' N., fls. yellow, with reddish brown centre, Feb., No. 4968. Vernac.—*Chumka*; *Subka*.

Calotropis procera Ait.—F.T.A. 4, 1: 294.

SOMALILAND: Hargeisa, long. 44° 1' E., lat. 9° 33' N., 1,260 m., shrub 3 m., fls. cream and purple, Sept., No. 4067. Vernac.—*Boah ad*.

Asclepias flavida N.E. Br.—F.T.A. 4, 1: 331.

SOMALILAND: Hargeisa, fls. yellow with purple centre, Sept., No. 3980; 4047. Vernac.—*Dufeyo*.

A. macrantha Hochst.—F.T.A. 4, 1: 340.

ABYSSINIA: Haramaia, long. 42° E., lat. 9° 24' N., 1,980 m., fls. red, tips of corona lobes deep yellow, Mar., No. 5468. Vernac.—*Harati-u*.

Sarcostemma viminalis R. Br.—F.T.A. 4, 1: 384.

SOMALILAND: Hargeisa, climber, Sept., No. 4072. Boundary Pillar 93, long. 45° 9' E., lat. 8° 37' N., 990 m., fls. cream, Oct., No. 4180; 4204. Marmar Range, long. 42° 47' E., lat. 10° 29' N., 1,530 m., Nov., No. 4658.

ABYSSINIA: Yuka, long. 41° 40' E., lat. 9° 27' N., 1,680 m., Mar., No. 5455. Vernac.—*Hangeyu* (Somali).

Marsdenia Schimperii Decne.—F.T.A. 4, 1: 419.

SOMALILAND: Buramo, long. 43° 10' E., lat. 10° N., 1,380 m., fls. white, fr. green, Jan., No. 4843.

Ceropegia De-Vecchii Chiov. Fl. Somalia 2: 301 (1932).

SOMALILAND: Hargeisa, long. 44° 1' E., lat. 9° 33' N., 1,290 m., climber, fls. dark red, mottled, Sept., No. 4073. Vernac.—*Marora gel*.—Endemic.

Ceropegia nuda Hutch. et E. A. Bruce, sp. nov. affinis *C. subaphyllae* K. Schum. sed corollae lobis linearibus, coronae lobis haud ciliatis differt.

Tuber fusiforme, edule, 7 cm. longum, 1.5 cm. diametro. Caules sarmentosi, succulenti, glauco-cinerei, circiter 3 mm. diametro, subaphylli. *Folia* rarissima, sessilia, lineari-lanceolata, 0.8 cm. longa, subacuta, glabra. *Flores* solitarii vel subsolitarii, atrorubri et cinerei; pedicelli 6 mm. longi, glabri. *Calycis lobi* subulato-lineares, acuti, 5 mm. longi, glabri. *Corolla* circiter 4 cm. longa, extra scaberula; tubus 2.5 cm. longus, infra medium leviter contractus, 2.5–3 mm. diametro, inferne intra pilis paucis instructus; lobi lineares, apice cohaerentes, inferne scaberuli, superne glabri, 1.7 cm. longi. *Coronae lobi* lineares, inaequales, glabri; interiores 2 mm. longi; exteriores 1.2 mm. longi. *Carpella* immatura glabra.

SOMALILAND: Afard, long. 44° 8' E., lat. 10° 10' N., 480 m., succulent, climbing, fls. dark red and grey, 27 Oct., No. 4484 (type in Kew Herb.). Vernac.—*Maroro ari*.

C. somalensis Chiov. Result. Sci. Miss. Stefan.-Paoli Somal. Ital. 1: 116 (1916).

SOMALILAND: Boundary Pillar 93, fls. greenish cream flecked with dark red, Oct., No. 4212. Endemic.

C. subaphylla K. Schum.—F.T.A. 4, 1: 621.

SOMALILAND: Boundary, long. 45° 9' E., lat. 8° 37' N., 990 m., climbing, fls. green, Oct., No. 4190. Vernac.—*Maroro arri*.—Endemic.

Leptadenia heterophylla Decne.—F.T.A. 4, 1: 431.

SOMALILAND: Near Eil Demet, long. 44° 17' E., lat. 9° 53' N., 930 m., fls. white, Oct., No. 4330.

L. Spartum Wight—F.T.A. 4, 1: 432.

SOMALILAND: Afard, long. 44° 8' E., lat. 10° 10' N., 510 m., shrub 2 m., fls. yellow, fragrant, Oct., No. 4438. Vernac.—*Moroh*.

Caralluma Dicapuae Chiov. in White & Sloane The Stapelieae ed. 2, 1: 186 (1937).

SOMALILAND: Hargeisa, long. 44° E., lat. 9° 33' N., 1,290 m., fls. greenish-brown, eaten by Somalis, Sept., No. 3993. Vernac.—*Fera Hunshu*.—Also in Eritrea.

C. Edithae N.E. Br.—F.T.A. 4, 1: 481.

SOMALILAND: Jalelo, long. 44° 14' E., lat. 9° 45' N., 1,080 m., 0.2 m., fls. dark red, Oct., No. 4289. Vernac.—*Udab tis*.—Endemic.

C. priogonium K. Schum. in Engl. Bot. Jahrb. 34: 327 (1905).

SOMALILAND: Hargeisa, 1,380 m., fls. very dark red, Oct., No. 4248. Vernac.—*Gōra ātu*.

C. retrospiciens N.E. Br.—F.T.A. 4, 1: 480.

SOMALILAND: Weranwis Valley, long. 43° 50' E., lat. 10° 15' N., 600 m., 0.6 m., fls. red-brown, Nov., No. 4533. Vernac.—*Udab tis*.

C. socotrana (Balf. f.) N.E. Br. in Gard. Chron. 12: 370 (1892).

SOMALILAND: Buramo, No. 4840. Vernac. *Gōra ātu*.—Also in Socotra.

C. speciosa N.E. Br.—F.T.A. 4, 1: 479.

SOMALILAND: Hargeisa, 1,440 m., fls. dark red, foetid smell, visited by flies, Sept., No. 4056. Vernac.—*Udab tis*.

Echidnopsis somalensis N.E. Br.—F.T.A. 4, 1: 477.

SOMALILAND: Simodi, long. 43° 30' E., lat. 10° 5' N., 1,200–1,740 m., creeping, succulent stems, fls. dark red, Nov., No. 4570. Vernac.—*Had uli*.—Endemic.

RUBIACEAE.

Gardenia lutea Fres.—Stapf & Hutch. in Journ. Linn. Soc. 38: 425 (1909).

ABYSSINIA: Gafra valley, long. 42° 13' E., lat. 9° 21' N., 1,500 m., tree 5 m., fls. white turning yellow, Feb., No. 5244.

Tarenna graveolens (S. Moore) Bremek. in Fedde Repert 37: 193 (1934).

SOMALILAND: Hargeisa, long. 44° 1' E., lat. 9° 35' N., 1,350 m., among rocks, shrub 2 m., fls. cream, Sept., No. 4035; near Eil Demet, long. 44° 17' E., lat. 9° 53' N., 960 m., on lava slopes, shrub 2 m., sweetly scented, Oct., No. 4312. Duwi, long. 44° 15' E., lat. 10° 5' N., 1,200 m., in *Buxus-Acokanthera* scrub, tree 5 m., Oct., No. 4381. Vernac.—*Aino maye-i*; *barko*.

Galiniera coffeoides Del.—F.T.A. 3: 114.

ABYSSINIA: Slopes of Sarerta Mt., long. $42^{\circ} 19' E.$, lat. $9^{\circ} 30' N.$, 2,400 m., on limestone in evergreen forest, bushy tree 4 m., fls. pale lilac, Feb., No. 5193. Vernac.—*Sarbandai*.

Pavetta abyssinica Fresen.—F.T.A. 3: 173.

ABYSSINIA: Harar, long. $42^{\circ} 19' E.$, lat. $9^{\circ} 28' N.$, 2,400 m., shrub 2 m., fls. white, fragrant, Feb., No. 5147.

P. Hochstetteri Bremek. in Fedde Repert. 37: 182 (1934).

SOMALILAND: Hargeisa, long. $44^{\circ} 1' E.$, lat. $9^{\circ} 33' N.$, 1,290 m., shrub, 2 m., fls. greenish cream, Sept., No. 3987a. Duwi, long. $44^{\circ} 15' E.$, lat. $10^{\circ} 5' N.$, 1,140 m., in *Buxus* scrub, shrub 3 m., fls. rich yellow, fragrant, Oct., No. 4409.

ABYSSINIA: Gafra valley, long. $42^{\circ} 13' E.$, lat. $9^{\circ} 21' N.$, 1,500 m., on granite, bush 2 m., fls. yellow, Feb., No. 5245. Vernac.—*Aino maye-i* (Somali).

Pavetta venenata Hutch. et E. A. Bruce, sp. nov. affinis *P. subcanae* Hiern sed foliis minutissime papilloso-puberulis, corolla extra glabra differt.

Fruticulus usque ad 0.5 m. altus, cortice maturo pallide cinereo; ramuli hornotini minutissime puberuli. *Folia* oblanceolata, apice obtusa, basi acutissima, 4-5 cm. longa, 1-1.5 cm. lata, glauco-viridia, infra pallidiora et minutissime papilloso-puberula; nervi laterales utrinsecus circiter 5-7, obscuri; petioli alati, usque ad 0.5 cm. longi, puberuli; stipulae basi late triangulares, subulato-acuminatae, usque ad 4 mm. longae, puberulae. *Cymae* terminales, subsessiles, pauciflorae; bracteae parvae, subulatae; pedicelli 2-3 mm. longi, puberuli. *Receptaculum* campanulatum, 1.5 mm. longum, puberulum. *Calycis* *tubus* 1 mm. longus, minute denticulatus. *Corollae* *tubus* 2-2.3 cm. longus, sicco 1.25 mm. diametro, glaber; lobi oblongo-obovati, 6 mm. longi. *Antherae* partim exsertae, 5 mm. longae. *Stylus* longe exsertus, glaber, stigmatibus clavato. *Fructus* sicco niger, globosus, nitidus, minutissime puberulus.

SOMALILAND: Jalelo, long. $44^{\circ} 14' E.$, lat. $9^{\circ} 45' N.$, 1,080 m., amongst archaean schist rocks, shrub to $\frac{1}{2}$ m. high. 16 Oct., No. 4290 (type in Kew Herb.). Vernac.—*Rogumba*. Poisonous to stock.

This has also been collected by Mr. E. F. Peck on the Mirso Ridge, about 15 miles east of Sheikh, and with the same vernacular name.

Canthium bogosensis (Mart.) Hutch. & E. A. Bruce, comb. nov. *Plectronia bogosensis* Mart. Fl. Bogos. 42 (1886).

SOMALILAND: Duwi, long. $44^{\circ} 15' E.$, lat. $10^{\circ} 5' N.$, 1,140 m., in *Buxus* scrub, shrub 3 m., Oct., No. 4405. Vernac.—*Gorurgi*.

Vangueria apiculata K. Schum. in Engl. Pflanzenw. Ost. Afr. C: 385 (1895).

ABYSSINIA: Harar, No. 5060.

Pentas Schimperiana (A. Rich.) Vatke—F.T.A. 3: 45.

ABYSSINIA: Gara mulata Mt., long. $41^{\circ} 48' E.$, lat. $9^{\circ} 12' N.$, 2,790 m., 1 m., fls. white, Mar., No. 5327.

Oldenlandia monanthos (Hochst.) Hiern—F.T.A. 3 : 60.

ABYSSINIA : Galla Pass, long. 42° 19' E., lat. 9° 28' N., 2,190 m., prostrate, fls. pink, Feb., No. 5113.

O. rotata Baker in Kew Bull. 1895 : 216.

SOMALILAND : Hargeisa, long. 44° 1' E., lat. 9° 34' N., 1,350 m., fls. white, opening in evening, Sept., No. 4023. Afard, long. 44° 8' E., lat. 10° 10' N., 540 m., on schist slopes, fls. cream, Oct. No. 4461. Vernac.—*Burkwa allele*.—Endemic.

O. Schimperi T. Anders.—F.T.A. 3 : 55.

SOMALILAND : Kabalgabat Pass, long. 43° E., lat. 10° 20' N., 990 m., on sand, corolla-limb white, tube brownish, Dec., No. 4688. Aden : 210 m., lava slopes, Mar., No. 5487. Vernac.—*Adar*.

Pentanopsis fragrans Rendle in Journ. Bot. 1898 : 29.

SOMALILAND : Afard, long. 44° 8' E., lat. 10° 10' N., 540 m., climbing, fls. cream, Oct., No. 4454. Dubar, long. 45° 5' N., lat. 10° 20' E., 360 m., fls. white, handsome, Jan., No. 4774.

Anthospermum muriculatum Hochst. ex A. Rich.—F.T.A. 3 : 229.

ABYSSINIA : slopes of Sarerta Mt., long. 42° 19' E., lat. 9° 30' N., 2,400 m., in open grass, fls. greenish yellow, Feb., No. 5188.

Rubia discolor Turcz.—F.T.A. 3 : 244.

ABYSSINIA : Harar, long. 42° 6' E., lat. 9° 18' N., 1,890 m., on limestone, climbing, fls. greenish, Feb., No. 5005.

Galium Aparine Linn.—F.T.A. 3 : 245.

SOMALILAND : Sigib Mt., long. 43° 11' E., lat. 10° 19' N., 1,560 m., Feb., No. 4998.

G. hamatum Hochst. ex A. Rich. Tent. Fl. Abyss. 1 : 345 (1847).

ABYSSINIA : Kondudo Mt., long. 42° 20' E., lat. 9° 27' N., 2,640 m., on limestone slopes, rough herb, fls. greenish, Feb., No. 5214. Vernac.—*Lalesa*.—Endemic.

G. spurium Linn.—F.W.T.A. 2 : 137.

ABYSSINIA : Galla Pass, long. 42° 19' E., lat. 9° 28' N., 2,280 m., by stream, fls. white, Feb., No. 5200.

DIPSACACEAE.

Pterocephalus frutescens Hochst. ex A. Rich. Fl. Abyss. 1 : 369 (1847). *Scabiosa frutescens* Hiern—F.T.A. 3 : 252.

ABYSSINIA : Mulkajibri, long. 42° 16' E., lat. 9° 24' N., 1,770 m., evergreen scrub formation, fls. pale pink, Feb., No. 5091. Vernac.—*Boko ta Hila*.

COMPOSITAE.

Galinsoga parviflora Cav. Ic. 3 : 41, t. 281 (1795).—F.W.T.A. 2 : 141.

ABYSSINIA : Harar, long. 42° 6' E., lat. 9° 18' N., 1,890 m., waste places, Feb., No. 5019.

Guizotia Schimperi Sch. Bip.—F.T.A. 3 : 385.

ABYSSINIA : Gala Pass, long. 42° 19' E., lat. 9° 28' N., 2,250 m., Feb., No. 5121. Kondudo Mt., long. 42° 20' E., lat. 9° 27' N., 2,430 m., fls. yellow, Feb., No. 5229.—Also in Eritrea.

Coreopsis macrantha Sch. Bip.—F.T.A. 3: 391.

ABYSSINIA: Gara mulata Mt., long. $41^{\circ} 48'$ E., lat. $9^{\circ} 12'$ N., 2,700 m., fls. yellow, Mar., No. 5301.—Endemic.

Bidens pilosa Linn.—F.T.A. 3: 392; F.W.T.A. 2: 143.

ABYSSINIA: Harar, long. $42^{\circ} 6'$ E., lat. $9^{\circ} 18'$ N., 1,860 m., on limestone, fls. yellow, Feb., No. 5002. Vernac.—*Jugogid*.

Wedelia abyssinica Vatke—F.T.A. 3: 377.

SOMALILAND: Hargeisa, long. $44^{\circ} 1'$ E., lat. $9^{\circ} 33'$ N., 1,290 m., herb 1 m., fls. yellow, Sept., No. 3920.

Eclipta alba (Linn.) Hassk.—F.T.A. 3: 373; F.W.T.A. 2: 146.

SOMALILAND: Buramo, long. $43^{\circ} 10'$ E., lat. 10° N., 1,260 m., herb 20 cm., fls. white, Jan., No. 4875.

Spilanthes Acmella Linn.—F.T.A. 3: 384; F.W.T.A. 2: 147.

ABYSSINIA: Galla Pass, long. $42^{\circ} 19'$ E., lat. $9^{\circ} 28'$ N., 2,280 m., prostrate, fls. yellow, Feb., No. 5197.

Siegesbeckia abyssinica Oliv. & Hiern—F.T.A. 3: 372.

ABYSSINIA: Geldid, long. $41^{\circ} 48'$ E., lat. $9^{\circ} 15'$ N., 2,430 m., herb 1 m., fls. yellow, Mar., No. 5381.

Emilia sagittata DC.—F.T.A. 3: 405; F.W.T.A. 2: 149.

ABYSSINIA: Harar, long. $42^{\circ} 10'$ E., lat. $9^{\circ} 20'$ N., 1,650 m., fls. purple, heads drooping, Feb., No. 5066.

Notonia coccinea Oliv. & Hiern—F.T.A. 3: 407.

ABYSSINIA: Jijiga-Harrar road, long. $42^{\circ} 15'$ E., lat. $9^{\circ} 15'$ N., 1,500 m., subsucculent, fls. scarlet, Feb., No. 5000.

Cineraria abyssinica Sch. Bip.—F.T.A. 3: 404.

ABYSSINIA: Harar, long. $42^{\circ} 20'$ E., lat. $9^{\circ} 27'$ N., 2,700 m., fls. yellow, Feb., No. 5210.

C. Schimperii Sch. Bip.—F.T.A. 3: 404.

ABYSSINIA: Harar, 1,890 m., fls. yellow, Feb., No. 5026.

Senecio gigas Vatke—F.T.A. 3: 418.

ABYSSINIA: Gara mulata Mt., long. $41^{\circ} 48'$ E., lat. $9^{\circ} 12'$ N., 2,730 m., on limestone slopes, 2.5 m., fls. orange, Mar., No. 5359.—Endemic.

S. longiflorus (DC.) Oliv. & Hiern—F.T.A. 3: 421. *Kleinia longiflora* DC.

SOMALILAND: Hargeisa, long. $44^{\circ} 1'$ E., lat. $9^{\circ} 33'$ N., 1,350 m., on stony ground, stem succulent, fls. yellow, Oct., No. 4242. Ridge south east of Auboba, long. $43^{\circ} 5'$ E., lat. $9^{\circ} 59'$ N., on gneiss rocks, 1 m., fls. yellow, Nov., No. 4609.

Var. *violacea* (A. Berg.) Hutch. & E. A. Bruce, var. comb. nov. *Kleinia violacea* A. Berg. *Senecio kleinioides* (Sch. Bip.) Oliv. & Hiern.

Ridge south east of Auboba, fls. purple, No. 4610. Vernac.—*Godor; wirib*.

S. myriocephalus Sch. Bip.—F.T.A. 3: 417.

ABYSSINIA: Galla Pass, long. $42^{\circ} 19'$ E., $9^{\circ} 28'$ N., 2,400 m., in rank herbage up to *Podocarpus* forest, 1 m., fls. yellow, Feb., No. 5145. Vernac.—*Gawe*.—Endemic.

- S. nandensis* S. Moore in Journ. Linn. Soc. 35 : 360 (1902).
 ABYSSINIA : Galla Pass, long. 42° 19' E., lat. 9° 28' N., 2,520 m., climber, fls. cream, stem subsucculent, Feb., No. 5150.
- S. pendulus* (Forssk.) Sch. Bip. in Flora 28 : 500 (1845).
 SOMALILAND : Hargeisa, long. 44° E., lat. 9° 35' N., 1,410 m., sandy soil, succulent, fls. scarlet, Oct., No. 4267.—Also in Arabia and Abyssinia.
- S. Schimperii* Sch. Bip.—F.T.A. 3 : 412.
 ABYSSINIA : Harar, long. 42° 10' E., lat. 9° 20' N., 1,650 m., fls. yellow, Feb., No. 5048.—Also in Eritrea and Arabia.
- S. subscandens* Hochst. ex A. Rich.—F.T.A. 3 : 421.
 SOMALILAND : Simodi, long. 43° 30' E., lat. 10° 5' N., 1,320 m., in *Buxus-Acokanthera* scrub, climber, fls. yellow, Nov., No. 4567. Vernac.—*Dalol Daiyer*.
- Euryops pinifolius* A. Rich.—F.T.A. 3 : 423.
 SOMALILAND : Simodi, long. 43° 30' E., lat. 10° 5' N., 1,740 m., among rocks near *Juniperus*, 1.5 m., fls. yellow, Nov., No. 4577.
- Tripteris Vaillantii* Decne.—F.T.A. 3 : 424.
 SOMALILAND : Jifa Uri, long. 43° 22' E., lat. 9° 42' N., 1,680 m., on gneiss kopje, 40 cm., fls. yellow, very aromatic, Jan., No. 4832.
- ABYSSINIA : Harar, long. 42° 10' E., lat. 9° 10' N., 1,620 m., Feb., No. 5055. Haramaia, long. 42° E., lat. 9° 24' N., 1,980 m., Mar., No. 5469.
- Cotula abyssinica* Sch. Bip.—F.T.A. 3 : 398.
 ABYSSINIA : Gorla-Kolubi track, long. 41° 45' E., lat. 9° 22' N., 2,610 m., in grass land, fls. yellowish, Mar., No. 5400.
- Anthemis tigréensis* J. Gay ex A. Rich. Fl. Abyss. 418 (1847).
 A. *Cotula Oliv. & Hiern*—F.T.A. 3 : 396, non Linn.
- ABYSSINIA : Gara mulata Mt., long. 41° 48' E., lat. 9° 12' N., 3,000 m., on limestone rocks, rays white, Mar., No. 5320.
- Artemisia abyssinica* Sch. Bip.—F.T.A. 3 : 400.
 ABYSSINIA : Galla Pass, long. 42° 19' E., lat. 9° 28' N., 2,280 m., fls. straw-coloured, very aromatic, Feb., No. 5196. Vernac.—*Jukun*.—Endemic.
- Aster ericifolius* Forssk. Fl. Aegypt-Arab. 1 : 50 (1775).
 SOMALILAND : Hargeisa, long. 44° 1' E., lat. 9° 33' N., 1,290 m., rays bluish, Sept. No. 3974. Vernac.—*Barkwa allele*.—Also in Arabia and Abyssinia.
- Conyza aegyptiaca* Ait.—F.T.A. 3 : 314 ; F.W.T.A. 2 : 154.
 SOMALILAND : Boundary, long. 44° 10' E., lat. 8° 57' N., 1,290 m., fls. yellow, Oct., No. 4130.
- C. Hochstetteri* Sch. Bip.—F.T.A. 3 : 312.
 ABYSSINIA : Harar, long. 42° 6' E., lat. 9° 18' N., 1,890 m., fls. pale yellow, Feb., No. 5018.
- C. pectinata* Sch. Bip.—F.T.A. 3 : 315.
 ABYSSINIA : Mulkajibri, long. 42° 16' E., lat. 9° 24' N., 1,770 m., fls. pale yellow, Feb., No. 5089.—Endemic.

- C. pyrrhopappa* Sch. Bip.—F.T.A. 3 : 318.
 ABYSSINIA : Harar, long. 42° 10' E., lat. 9° 20' N., 1,740 m.,
 fls. pale yellow, Feb., No. 5039.
- C. stricta* Willd.—F.T.A. 3 : 318.
 SOMALILAND : Simodi, long. 43° 30' E., lat. 10° 5' N., 1,740 m.,
 among rocks on mountain top, 1 m., fls. yellow, Nov., No. 4579.
- Dichrocephala integrifolia* (Ait.) O. Kze Rev. Gen. Plant. 1 : 333
 (1891).
 ABYSSINIA : Harar, long. 42° 6' E., lat. 9° 18' N., 1,830 m.,
 fls. green, Feb., No. 5001.
- Athrixia rosmarinifolia* Oliv. & Hiern—F.T.A. 3 : 355.
 ABYSSINIA : Gafra valley, long. 41° 48' E., lat. 9° 12' N., 2,700 m.,
 in Juniperus-Podocarpus forest, rays mauve, Mar., No. 5347.
- Tarchonanthus camphoratus* Linn.—F.T.A. 3 : 321.
 SOMALILAND : Afard, long. 44° 8' E., lat. 10° 8' N., 1,170 m.,
 in *Buxus* scrub, shrub 2 m., Oct., No. 4468. Vernac.—*Adadi*.
- Psiadia arabica* Jaub. & Spach.—F.T.A. 3 : 319.
 SOMALILAND : Duwi, long. 4° 15' E., lat. 10° 5' N., 1,200 m.,
 in *Buxus* scrub, shrub 1 m., fls. yellow, Oct., No. 4425. Vernac.—
Midir Guni.
- P. incana* Oliv. & Hiern—F.T.A. 3 : 320.
 SOMALILAND : Boundary Pillar 99, long. 44° 39' E., lat. 8° 47' N.,
 1,140 m., fls. white, Oct., No. 4140. Jalelo, long. 44° 14' E., lat.
 9° 45' N., 1,080 m., on schist rocks, shrublet 0.5 m., fls. white, Oct.,
 No. 4294. Vernac.—*Daiya*.—Endemic.
- Iphiona rotundifolia* Oliv. & Hiern—F.T.A. 3 : 360.
 SOMALILAND : Boundary Pillar 93, long. 45° 9' E., lat. 8° 37' N.,
 990 m., small shrub, fls. white, Oct., No. 4200. Duwi, long. 44°
 8' E., lat. 10° 10' N., 510 m., on sand, shrublet 0.5 m., fls. purple,
 Oct., No. 4432. Vernac.—*Gegabot*.—Endemic.
- I. scabra* DC.—F.T.A. 3 : 360.
 ADEN : on lava slopes, 0.7 m., fls. yellow, Mar., No. 5494.—Also
 in Egypt and Arabia.
- Phagnalon hypoleucum* Sch. Bip.—F.T.A. 3 : 338.
 ABYSSINIA : Galla Pass, long. 42° 19' E., lat. 9° 28' N., 2,460 m.
 fls. dingy yellow, Feb., No. 5154.—Endemic.
- Nidorella pedunculata* Oliv. in James Unknown Horn of Africa
 319 (1888).
 SOMALILAND : Hargeisa, long. 44° 1' E., lat. 9° 33' N., 1,290 m.,
 fls. yellow, Sept., No. 4061. Jifa Uri, long. 43° 22' E., lat. 9° 42' N.,
 1,680 m., stems prostrate, fls. yellow, Jan., No. 4834. Vernac.—
Adan yale.—Endemic.
- Microglossa Elliotii* S. Moore in Journ. Linn. Soc. 35 : 327 (1902).
 ABYSSINIA : Gara Mulata Mt., long. 41° 48' E., lat. 9° 12' N.,
 2,400–2,850 m., on limestone slopes, 2 m., fls. yellow, Mar., No. 5284.
- Pulicaria Aylmeri* Baker in Kew Bull. 1895 : 216.
 SOMALILAND : Berbera, near the sea, 0.5 m., fls. yellow, Jan.,
 No. 4748.—Endemic.

P. petiolaris Jaub. & Spach—F.T.A. 3: 364.

SOMALILAND: Burmado, long. 43° 50' E., lat. 10° 13' N., 980 m., in shade of boulders, 0.7 m., fls. yellow, Nov., No. 4540.

P. somalensis O. Hoffm. in Engl. Bot. Jahrb. 38: 203 (1906).

SOMALILAND: Marmar Range, long. 42° 47' E., lat. 10° 29' N., 1,050 m., 0.5 m., fls. yellow, fragrant and viscous, Nov., No. 4656. Vernac.—*Adar*; *Audidowa*.—Endemic.

Inula confertiflora A. Rich.—F.T.A. 3: 358.

ABYSSINIA: Galla Pass, long. 42° 19' E., lat. 9° 28' N., 2,460 m., on limestone, 1.5 m., fls. yellow, Feb., No. 5155.—Endemic.

Pluchea Dioscoridis DC.—F.T.A. 3: 329.

SOMALILAND: Gorfulai, long. 43° 38' E., lat. 10° 16' N., 510 m., shrub 1.2 m., fls. white, Nov., No. 4555. Satoa, long. 43° 5' E., lat. 9° 59' N., 1,500 m., shrub 1 m., fls. white, Nov., No. 4615. Vernac.—*Bi-es*.

P. ovalis DC.—F.T.A. 3: 328; F.W.T.A. 2: 157.

SOMALILAND: Bir Dai, long. 44° 17' E., lat. 9° 55' N., 900 m., in water, shrub 2 m., fls. cream, Oct., No. 4337.

P. sarcophylla Chiov. Fl. Somala 198 (1929).

SOMALILAND: Las dawan, long. 45° 12' E., lat. 10° 20' N., 180 m., 30 cm., fls. purple, leaves succulent, Jan., No. 4805.—Endemic.

Blumea Bovei (DC.) Vatke in Oesterr. Bot. Zeitschr. 1875: 324.

B. abyssinica Sch. Bip. ex A. Rich.—F.T.A. 3: 323.

SOMALILAND: Debrawen, long. 42° 49' E., lat. 10° 26' N., 920 m., in marshy places, fls. lilac, Nov., No. 4647. Vernac.—*Bi-es*.

B. lacera DC.—F.T.A. 3: 322; F.W.T.A. 2: 158.

ABYSSINIA: Boesesa valley, long. 42° 18' E., lat. 9° 29' N., 1,950 m., fls. purplish, Feb., No. 5170.

Pegolettia senegalensis Cass.—F.T.A. 3: 361; F.W.T.A. 2: 158.

SOMALILAND: Hargeisa, long. 44° E., lat. 9° 35' N., 1,410 m., sandy soil, fls. yellow, viscid, Oct., No. 4265.

Laggera pterodonta Sch. Bip.—F.T.A. 3: 324; F.W.T.A. 2: 158.

ABYSSINIA: Harar, long. 42° 6' E., lat. 9° 18' N., 1,920 m., on limestone, 0.5 m., fls. purple, viscid and aromatic, Feb., No. 5023.

L. tomentosa Sch. Bip.—F.T.A. 3: 325.

ABYSSINIA: Gafra Valley, long. 42° 19' E., lat. 9° 28' N., 2,250 m., Feb., No. 5167. Vernac.—*Kaskas*.

Helichrysum abyssinicum Sch. Bip.—F.T.A. 3: 351.

ABYSSINIA: Kondudo Mt., long. 42° 20' E., lat. 9° 27' N., 2,610–2,790 m., on limestone slopes, 0.3 m., fls. yellow, Feb., No. 5205.

H. globosum Sch. Bip.—F.T.A. 3: 354; F.W.T.A. 2: 159.

ABYSSINIA: Gara mulata Mt., long. 41° 45' E., lat. 9° 15' N., 2,490 m., on denuded limestone slopes, fls. yellow, Mar., No. 5377. Yuka, long. 41° 40' E., lat. 9° 25' N., 2,190 m., Mar., No. 5427.

H. glumaceum DC. Prod. 6: 197 (1837).

SOMALILAND: Hargeisa, long. 44° 1' E., lat. 9° 35' N., 1,380 m., fls. white, Sept., No. 4034. Vernac.—*Majino*.

- H. Hochstetteri* Hook. f. in Journ. Linn. Soc. 6: 13 (1862).
 ABYSSINIA: Geldid, long. 41° 48' E., lat. 9° 15' N., 2,400 m.,
 fls. bright yellow, Mar., No. 5387. Vernac.—*Najilo*.
- H. Schimperii* Moeser in Engl. Bot. Jahrb. 44: 244 (1910).
 ABYSSINIA: Geldid, fls. pale yellow, Mar., No. 5388.
- H. Traversii* Chiov. in Ann. Bot. Roma 9: 72 (1911).
 ABYSSINIA: Gara mulata Mt., long. 41° 48' E., lat. 9° 12' N.,
 2,880 m., fls. dull yellow, Mar., No. 5321.—Endemic.
- Gnaphalium Unionis* Sch. Bip.—F.T.A. 3: 343.
 ABYSSINIA: Galla Pass, long. 42° 19' E., lat. 9° 28' N., 2,040–
 2,340 m., white, Feb., No. 5108.
- Sphaeranthus suaveolens* DC.—F.T.A. 3: 333.
 ABYSSINIA: Harar, long. 42° 10' E., lat. 9° 20' N., 1,740 m.,
 in stream, fls. purple, Feb., No. 5033. Vernac.—*Ala shien*.
- Blepharispermum fruticosum* Klatt & Schinz in Bull. Herb.
 Boiss. 3: 429 (1895).
 SOMALILAND: Boundary, long. 45° 9' E., 8° 37' N., 990 m.,
 shrub 1 m., fls. cream, Oct., No. 4158. Vernac.—*Gehait*.—Endemic.
- Vernonia amplexicaulis* Baker in Kew Bull. 1895: 216.
 SOMALILAND: Hargeisa, long. 44° 1' E., lat. 9° 33' N., 1,290 m.,
 1 m., fls. mauve, Sept., No. 3908. Vernac.—*Fodadeh*.
- V. amygdalina* Del.—F.T.A. 3: 284; F.W.T.A. 2: 169.
 ABYSSINIA: Gara mulata Mt., long. 41° 45' E., lat. 9° 15' N.,
 2,460 m., slender tree 5 m., fls. pale mauve, Mar., No. 5378.
 Vernac.—*Dumoga*.
- V. atriplicifolia* Jaub. & Spach—F.T.A. 3: 270.
 ADEN: 150 m., on lava, fls. purple, 22 Mar., No. 5521.
- V. cinerascens* Sch. Bip.—F.T.A. 3: 275.
 SOMALILAND: Hargeisa, long. 44° 1' E., lat. 9° 33' N., 1,290 m.,
 shrub 0.5 m., Sept., No. 4000. Vernac.—*Hil*.
- V. Hochstetteri* Sch. Bip.—F.T.A. 3: 287.
 ABYSSINIA: Geldid, long. 41° 48' E., lat. 9° 15' N., 2,400 m.,
 1.5 m., fls. mauve, Mar., No. 5390.—Endemic.
- V. Leopoldii* Vatke—F.T.A. 3: 277.
 ABYSSINIA: Gara mulata Mt., long. 41° 48' E., lat. 9° 12' N.,
 2,700 m., in *Podocarpus-Juniperus* forest, fls. purple, Mar., No.
 5346.—Also in Eritrea.
- V. podocoma* Sch. Bip.—F.T.A. 3: 296.
 ABYSSINIA: Harar, long. 42° 6' E., lat. 9° 18' N., 1,920 m., on
 limestone, shrub 2 m., fls. mauve, Feb., No. 5004.
- Triplotaxis somalensis* (O. Hoffm.) Hutch. in Kew Bull. 1914: 355.
 SOMALILAND: Boundary 7 miles west of long. 44° E., and lat.
 9° N., about 1,350 m., in Acacia-grass country, fls. purplish blue,
 Oct., No. 4224.—Endemic.
- Ageratum conyzoides* Linn.—F.T.A. 3: 300; F.W.T.A. 2: 127.
 ABYSSINIA: Mulkajibri, long. 42° 16' E., lat. 9° 24' N., 1,620 m.,
 by stream, fls. pale blue, Feb., No. 5081.

Dicoma somalensis S. Moore in Journ. Bot. 1899 : 60.

SOMALILAND : Hargeisa, long. $44^{\circ} 1' E.$, lat. $9^{\circ} 33' N.$, 1,290 m., shrub 0.5 m., fls. white, Sept., No. 4002. Auboba, long. $43^{\circ} E.$, lat. $10^{\circ} 6' N.$, 1,620 m., fls. white, Nov., No. 4620. Vernac.—*Ma-adadi*.—Endemic.

Hochstetteria Schimperi DC.—F.T.A. 3 : 444.

ADEN : About 300 m., on lava, fls. white, Mar., No. 5510.

Gerbera piloselloides Cass.—F.T.A. 3 : 445 ; F.W.T.A. 2 : 174.

ABYSSINIA : Gara mulata Mt., long. $41^{\circ} 33' E.$, lat. $9^{\circ} 12' N.$, 2,700–3,090 m., rays dark crimson, Mar., No. 5323.

Flaveria australasica Hook. in Mitch. Journ. Trop. Austral. 118 (1848).

SOMALILAND : Gorfulai, long. $43^{\circ} 38' E.$, lat. $10^{\circ} 16' N.$, 480 m., by water, fls. yellow, Nov., No. 4552.

Landtia Ruppellii Benth. & Hook. f.—F.T.A. 3 : 426.

ABYSSINIA : Slopes of Sarerta Mt., long. $42^{\circ} 19' E.$, lat. $9^{\circ} 30' N.$, 2,400 m., fls. yellow, Feb., No. 5186.

L. Schimperi Benth. & Hook. f.—F.T.A. 3 : 426.

ABYSSINIA : Gorla, long. $41^{\circ} 48' E.$, lat. $9^{\circ} 20' N.$, 2,700 m., fls. yellow, Mar., No. 5395.

Echinops Ellenbeckii O. Hoffm. in Engl. Bot. Jahrb. 38 : 208 (1906).

ABYSSINIA : Galla Pass, long. $42^{\circ} 19' E.$, lat. $9^{\circ} 28' N.$, 2,340 m., on limestone, 3 m., fls. red, Feb., No. 5123. Vernac.—*Kusheshila*.—Endemic.

E. machrochaetus Fres.—F.T.A. 3 : 432.

ABYSSINIA : Galla Pass, long. $42^{\circ} 19' E.$, lat. $9^{\circ} 28' N.$, 2,400 m., on limestone, 0.8 m., fls. pale blue, Feb., No. 5140.—Also in Eritrea.

E. spinosus Linn.—F.T.A. 3 : 431.

ABYSSINIA : Mulkajibri, long. $42^{\circ} 17' E.$, lat. $9^{\circ} 26' N.$, 1,890 m., waste places in lower evergreen formation, fls. pale blue, spines of inflorescence straw-coloured, Feb., No. 5095. Vernac.—*Kosheshila*.

Cirsium vulgare (Savi) Airy-Shaw in Fedde Repert. 43 : 304 (1938).

ABYSSINIA : Kofajalo, long. $41^{\circ} 51' E.$, lat. $9^{\circ} 9' N.$, 2,130 m., fls. purple, Mar., No. 5274.

Carduus leptacanthus Fres.—F.T.A. 3 : 433.

ABYSSINIA : Galla Pass, long. $42^{\circ} 19' E.$, lat. $9^{\circ} 28' N.$, 2,100 m., 1 m., fls. purple, Feb., No. 5110.

Jurinea monocephala Aitch. & Hemsl. in Trans. Linn. Soc. ser. 2, 3 : 80 (1886).

SOMALILAND : Hargeisa, long. $44^{\circ} 1' E.$, lat. $9^{\circ} 35' N.$, 1,440 m., in denuded areas, fls. purple, leaves white, Sept., No. 4028.

Distrib.—Also in Afghanistan, at Khorasan, 1,500 m.—This is an interesting new record and adds another genus to the flora of tropical Africa.

Lactuca capensis Thunb.—F.T.A. 3 : 452 ; F.W.T.A. 2 : 177.

ABYSSINIA : Harar, long. $42^{\circ} 6' E.$, lat. $9^{\circ} 18' N.$, 1,890 m., on limestone, fls. pale blue, Feb., No. 5017. Galla Pass, long. $42^{\circ} 19' E.$, lat. $9^{\circ} 28' N.$, 2,340 m., 1 m., fls. violet, Feb., No. 5122.

- L. goraeënsis* Sch. Bip.—F.T.A. 3: 452; F.W.T.A. 2: 177.
SOMALILAND: Hargeisa, long. 44° 1' E., lat. 9° 33' N., 1,290 m.,
fls. yellow, Sept., No. 3966. Vernac.—*Burdeh*.
Crepis Rueppellii Sch. Bip.—F.T.A. 3: 450.
ABYSSINIA: Harar, 1,920 m., on limestone, fls. yellow, Feb.,
No. 5020.
Sonchus Bipontinii Aschers.—F.T.A. 3: 458.
ABYSSINIA: Harar, 1,920 m., fls. yellow, Feb., No. 5021. *Galla*
Pass, long. 42° 19' E., lat. 9° 28' N., 2,280 m., by stream, 2 m.,
fls. yellow, Feb., No. 5199.

GENTIANACEAE.

- Swertia Quartiniana* A. Rich.—F.T.A. 4, 1: 574.
ABYSSINIA: Gara mulata Mt., long. 41° 48' E., lat. 9° 12' N.,
2,820 m., Mar., No. 5311b.—Also in Kenya.
S. Schimperii Griseb.—F.T.A. 4, 1: 573.
ABYSSINIA: Gara mulata Mt., 2,820 m., damp limestone rocks,
Mar., No. 5311a.

PRIMULACEAE.

- Anagallis arvensis* Linn.—F.T.A. 3: 490.
ABYSSINIA: Geldid, long. 41° 48' E., lat. 9° 15' N., 2,430 m.,
on muddy stream bank, fls. blue, Mar., No. 5379.
A. serpens Hochst. ex DC. Prod. 8: 668 (1844).
ABYSSINIA: Gara mulata Mt., long. 41° 45' E., lat. 9° 15' N.,
3,060 m., by water, prostrate, fls. pink, Mar., No. 5366.
Lysimachia africana Engl. in Abh. Preuss. Akad. Wiss. 1894:
55 and 59.
ABYSSINIA: Gara mulata Mt., long. 41° 48' E., lat. 9° 12' N.,
2,820 m., fls. purplish, Mar., No. 5351.
Primula verticillata Forssk. var. *simensis* Hook. f.—F.T.A. 3:
488.
ABYSSINIA: Gara mulata Mt., 2,790 m., upper evergreen forest,
leaves nearly white, fls. yellow, Mar., No. 5334.

PLUMBAGINACEAE.

- Ceratostigma speciosum* Prain in Journ. Bot. 44: 8 (1906).
SOMALILAND: Abasa, long. 43° 4' E., lat. 10° 6' N., 1,470 m.,
on gneiss slopes, 40 cm., fls. sky blue, Dec., No. 4716. Vernac.—
Elandabera.
C. abyssinicum Aschers.—F.T.A. 3: 487.
ABYSSINIA: Kofajalo, long. 41° 51' E., lat. 9° 9' N., 2,310 m.,
near stream, 1 m., fls. pale blue, Mar., No. 5282.
Limonium axillare (Forssk.) O. Kuntze Rev. Gen. 395 (1891).
Statice axillaris Forssk.
ADEN: 210–510 m., lava slopes in subdesert, tufted, fls. purple,
Mar., No. 5475.

L. xipholepis (Baker) Hutch. & E. A. Bruce, comb. nov. *Statice xipholepis* Baker.

SOMALILAND: Dubriat Mt., long. 45° 10' E., lat. 10° 22' N., about 300 m., in open scrub, leaves white, fls. crimson, Jan., No. 4784.—Endemic.

L. somalorum (Vierh.) Hutch. & E. A. Bruce, comb. nov. *Statice somalorum* Vierh.

SOMALILAND: Las Dawan, long. 45° 12' E., lat. 10° 20' N., 1,800 m., small shrub 40 cm., fls. pink, Jan., No. 4806. Vernac.—*Dumbaiyod*.—Endemic.

Plumbago zeylanica Linn.—F.T.A. 3: 486.

SOMALILAND: Simodi, long. 43° 30' E., lat. 10° 5' N., 1,200 m., in open wood, fls. white, Nov., No. 4565. Abyssinia: Harar, long. 42° 10' E., lat. 9° 20' N., 1,740 m., on granite, Feb., No. 5038. Vernac.—*Elkus* (Somali); *Martus* (Abyss.).

PLANTAGINACEAE.

Plantago lanceolata Linn.—F.T.A. 5: 502.

ABYSSINIA: Harar, long. 42° 6' E., lat. 9° 18' N., 1,590 m., Feb., No. 5015.

CAMPANULACEAE.

Campanula Quartiniiana A. Rich.—F.T.A. 3: 481.

ABYSSINIA: Kondudo Mt., long. 42° 20' E., lat. 9° 27' N., 2,640 m., on mountain slopes, trailing herb, fls. blue, Feb., No. 5211.—Also in Eritrea.

Lightfootia abyssinica Hochst. ex A. Rich.—F.T.A. 3: 474.

ABYSSINIA: Harar, long. 42° 10' E., lat. 9° 40' N., 1,740 m., open grass, fls. blue, Feb., No. 5041.

Wahlenbergia silenoides Hochst. ex A. Rich.—F.T.A. 3: 478.

ABYSSINIA: Galla Pass, long. 42° 19' E., lat. 9° 28' N., 2,400 m., in open grass, fls. pale lilac, Feb., No. 5161.—Also in Uganda.

LOBELIACEAE.

Lobelia Rhynchopetalum Hemsl.—F.T.A. 3: 465.

ABYSSINIA: Gara mulata Mt., long. 41° 48' E., lat. 9° 12' N., 2,790–3,210 m., in Erica formation, 5 m., fls. bluish green, Mar., No. 5317. Vernac.—*Gaboia*.

L. stellaroides (Presl) Benth. & Hook. f. ex Hemsl.—F.T.A. 3: 470.

ABYSSINIA: Gorla-Kolubi track, long. 41° 45' E., lat. 9° 22' N., 2,610 m., open grassland, fls. yellow, then blue, Mar., No. 5401.

L. fervens Thunb.—F.T.A. 3: 468.

ABYSSINIA: Kofajalo, long. 41° 51' E., lat. 9° 9' N., 2,280 m., marshy places, fls. pale blue, Mar., No. 5279.

BORAGINACEAE.

Ehretia abyssinica R. Br.—F.T.A. 4, 2: 23.

ABYSSINIA: Harar, long. 42° 10' E., lat. 9° 20' N., 1,650 m., small tree 3–4 m., fls. white tinged with lilac, Feb., No. 5051. Vernac.—*Garmi*.—Also in Eritrea.

E. Braunii Vatke—F.T.A. 4, 2: 23.

SOMALILAND: Deriodera, long. $42^{\circ} 55' E.$, lat. $10^{\circ} 3' N.$, 1,170 m., shrub 3 m., fls. lilac, Nov., No. 4644. Vernac.—*Mared Deol.*

E. obtusifolia Hochst. ex DC.—F.T.A. 4, 2: 25.

SOMALILAND: Hargeisa, long. $44^{\circ} E.$, lat. $9^{\circ} 33' N.$, 1,290 m., 2 m., berries edible, Sept., No. 4045. Buramo-Dumuk tug, long. $43^{\circ} 12' E.$, lat. $10^{\circ} 1' N.$, 1,200 m., shrub 3 m., fls. white tinged with blue, berries edible, Jan., No. 4886. Vernac.—*Mared Deol.*

Ehretia orbicularis Hutch. et E. A. Bruce, sp. nov. affinis *E. obtusifoliae* Hochst. ex DC., sed foliis orbicularibus minoribus, cymis paucifloris differt.

Frutex ad 3 m. altus; rami cinereo-purpurei, circiter 4 mm. crassi, adpresse pubescentes demum glabrescentes, ramulis lateralibus brevissimis ad 1.5 cm. longis molliter tomentosis. *Folia* ad apices ramulorum aggregata, parva, orbicularia, late emarginata, 1.5–2 cm. diametro, integra, utrinque scabrida et glandulosa, nervis lateralibus circiter 4 inconspicuis flexuosis marginem versus evanidis; petioli 4–5 mm. longi, molliter pubescentes. *Cymae* extra-axillares, pauciflorae; pedunculi ad 1 cm. longi cum pedicellis 4–5 mm. longis molliter pubescentes. *Calyx* campanulatus, extra pubescens, tubo 2 mm. longo, lobis triangulari-ovatis acutis 2.5 mm. longis. *Corolla* campanulata, pallide crenea, tubo 4 mm. longo glabro, lobis late ovatis subacutis extra minute glandulosis. *Siamina* infra apicem corollae tubi inserta; antherae 2 mm. longae. *Ovarium* ovoideum, glabrum, 1.5 mm. longum; stylus 2.5 mm. longus, breviter bilobus, stigmatibus reniformibus. *Fructus* ovoideo-globosus, 5 mm. diametro, glaber.

SOMALILAND: Boundary Pillar 93, long. $45^{\circ} 9' E.$, lat. $8^{\circ} 37' N.$, 900 m., shrub 2 m., 5 Oct., No. 4168. Afard, long. $48^{\circ} 8' E.$, lat. $10^{\circ} 10' N.$, 690 m., shrub 3 m., fls. pale cream, 26 Oct., No. 4472 (type in Kew Herb.). Vernac.—*Himir.*

Cordia Gharaf Ehrenb. ex Aschers. in Sitzungsber. Naturf. Fer. Berl. 1879: 46. *C. Rothii* Roem. & Schull.—F.T.A. 4, 2: 18.

SOMALILAND: Afard, long. $44^{\circ} 8' E.$, lat. $10^{\circ} 10' N.$, 690 m., shrub 2 m., Oct., No. 4445. Vernac.—*Mared.* Wood used for making fire by friction. Boundary Pillar 93, long. $45^{\circ} 9' E.$, lat. $8^{\circ} 37' N.$, 990 m., 6 Oct., No. 4191.

C. ovalis R. Br.—F.T.A. 4, 2: 15.

SOMALILAND: Daraweina, long. $48^{\circ} 8' E.$, lat. $9^{\circ} 40' N.$, 1,230 m., shrub 4 m., fr. Oct., No. 4280. Hargeisa, long. $44^{\circ} E.$, lat. $9^{\circ} 35' N.$, 1,410 m., shrub 3 m., fruit edible and very pleasant, Oct., No. 4262. Vernac.—*Mared.*

Heliotropium abyssinicum Vatke—F.T.A. 4, 2: 41.

SOMALILAND: Dubriat Mt., long. $45^{\circ} 10' E.$, lat. $10^{\circ} 22' N.$, 210 m., shrublet 40 cm., fls. dull yellow, Jan., No. 4791.—Also in Eritrea.

H. cinerascens Steud. ex DC.—F.T.A. 4, 2: 39.

ABYSSINIA: Harar, long. $42^{\circ} 10' E.$, lat. $9^{\circ} 20' N.$, 1,650 m., 0.5 m., fls. white, Feb., No. 5064. Vernac.—*Baganapsi.*

H. pterocarpum DC.—F.T.A. 4, 2 : 35.

SOMALILAND : Berbera, fls. white, Jan., No. 4740. Vernac.—*Gahod*.

Heliotropium sessilistigma Hutch. et E. A. Bruce, sp. nov., ob stigma sessile globosum valde distincta.

Suffrutex e basi lignosa dense ramosus, ubique dense adpresse albido-pilosus. *Folia* conferta, subsessilia, ovato-lanceolata, subacuta, circiter 4 mm. longa et 2 mm. lata marginibus recurvatis. *Flores* albi, ad apices ramulorum dense glomerati, sessiles. *Calycis* lobi lanceolati, acuti, circiter 2mm. longi, setoso-pilosi. *Corolla* calycem paullo superans; tubus cylindricus, extra parce pubescens, intra glaber, 1 mm. longus; lobi triangulari-lanceolati, acuti, extra dense pilosi, basi intra dense setosi. *Antherae* leviter supra medium corollae tubi insertae, lineari-lanceolatae, 0.5 mm. longae. *Ovarium* globosum, 0.5 mm. diametro, glabrum, stigmatate globoso sessili coronatum.

SOMALILAND : Boundary, long. 44° 15' E., lat. 8° 58' N., 1,260 m., fls. white, 30 Sept., No. 4107 (type in Kew Herb.). Vernac.—*Gahot*.

H. strigosum Willd.—F.T.A. 4, 2 : 41.

SOMALILAND : Afard, long. 44° 8' E., lat. 10° 10' N., 690 m., 0.3 m., fls. white, Oct., No. 4444. * Marmar Range, long. 42° 47' E., lat. 10° 29' N., 1,050 m., fls. white, Nov., No. 4655. Vernac.—*Maragh fof*; *Ged ambar*.

H. supinum L.—F.T.A. 4, 2 : 37.

SOMALILAND : Buramo, long. 43° 10' E., lat. 10° N., 1,410 m., fls. white, Jan., No. 4856. Vernac.—*Gahod*.

H. undulatifolium Turrill in Kew Bull. 1915 : 76.

SOMALILAND : Hargeisa, long. 44° E., lat. 9° 33' N., 1,290 m., fls. white, Sept., No. 3968.

H. undulatum Vahl—F.T.A. 4, 2 : 37.

SOMALILAND : Biji, long. 44° 5' E., lat. 10° 12' N., 510 m., 30 cm., fls. white, Oct., No. 4508. Vernac.—*Forda ada*.

H. zeylanicum Lam.—F.T.A. 4, 2 : 31.

SOMALILAND : Hargeisa, 1,290 m., fls. greenish, Oct., No. 3960. Vernac.—*Gahoub*.

Trichodesma calathiforme Hochst.—F.T.A. 4, 2 : 49.

SOMALILAND : Burmado, long. 43° 50' E., lat. 10° 13' N., 960 m., fls. blue with brown eye, Nov., No. 4541. Ali Wein Mt., long. 45° 15' E., lat. 10° 24' N., 300 m., Jan., No. 4824. Vernac.—*Gahod*.

Vaupelia heliocharis (S. Moore) Brand in Fedde Repert. 13 : 83 (1914). *Trichodesma heliocharis* S. Moore—F.T.A. 4, 2 : 45.

SOMALILAND : Hargeisa, long. 44° E., lat. 9° 35' N., 1,410 m., fls. very pale blue, eaten by stock, Sept., No. 4031. Vernac.—*Aden yale*.—Endemic.

* *Cynoglossum coeruleum* Hochst. ex DC.—F.T.A. 4, 2 : 53.

ABYSSINIA : Gara mulata Mt., long. 41° 45' E., lat. 9° 15' N., 3,180 m., fls. bright blue, Mar., No. 5368.

- C. lanceolatum* Forssk.—F.T.A. 4, 2 : 54.
 ABYSSINIA : Harar, long. $42^{\circ} 10'$ E., lat. $9^{\circ} 20'$ N., 1,650 m.,
 fls. white, Feb., No. 5063.
- C. densifolium* Chiov. in Ann. Bot. Rom. 9 : 82 (1911).
 ABYSSINIA : Galla Pass, long. $42^{\circ} 19'$ E., lat. $9^{\circ} 28'$ N., 2,490 m.,
 fls. bright blue, Feb., No. 5160.—Endemic.
- Sericostoma albidum* Franch.—F.T.A. 4, 2 : 57.
 SOMALILAND : Hargeisa, long. $44^{\circ} 35'$ N., 1,440 m., fls. cream,
 24 Sept., No. 4026. Afard, long. $44^{\circ} 8'$ E., lat. $10^{\circ} 10'$ N., 600 m.,
 fls. white, Oct., No. 4448. Dobo Pass, long. $43^{\circ} 15'$ E., lat. 10°
 $15'$ N., 1,200 m., Feb., No. 4959. Vernac.—*Hadu*.—Also in Socotra.
- Liliospermum officinale* L.—F.T.A. 4, 2 : 59.
 ABYSSINIA : Gara mulata Mt., long. $41^{\circ} 48'$ E., lat. $9^{\circ} 12'$ N.,
 2,700 m., fls. cream, Mar., No. 5303.
- Echiochilon fruticosum* Desf.—F.T.A. 4, 2 : 61.
 SOMALILAND : Dubriat Mt., long. $45^{\circ} 10'$ E., lat. $10^{\circ} 22'$ N.,
 150 m., fls. pale blue, Jan., No. 4776.
- E. longiflorum* Benth. in Hook. Ic. Pl. t. 1277 (1879).
 SOMALILAND : Dubriat Mt., long. $45^{\circ} 10'$ E., lat. $10^{\circ} 22'$ N.,
 210 m., pale lilac, Jan., No. 4787.—Also in Arabia.

SOLANACEAE.

- Datura Metel* Linn.—F.T.A. 4, 2 : 256; F.W.T.A. 2 : 202.
 SOMALILAND : Durdur, long. $43^{\circ} 30'$ E., lat. $10^{\circ} 10'$ N., 660 m.,
 fls. white, Nov., No. 4582. Vernac.—*Boa medu*.
- Discopodium penninervium* Hochst.—F.T.A. 4, 2 : 253 ;
 F.W.T.A. 2 : 205, fig. 248.
 ABYSSINIA : Galla Pass, No. 5125.
- Lycium europaeum* Linn. Sp. Pl. 192 (1753). *L. persicum*
 Miers—F.T.A. 4, 2 : 254.
 SOMALILAND : Boundary Pillar 93, long. $45^{\circ} 9'$ E., lat. $8^{\circ} 37'$ N.,
 990 m., bush 1 m., fls. white or bluish, Oct., No. 4154. Jebel Wotni
 Mt., long. $45^{\circ} 6'$ E., lat. $10^{\circ} 18'$ N., 390 m., shrub 1.5 m., corolla
 tube pale lilac, limb bright blue, Jan., No. 4798. Boundary : long.
 $44^{\circ} 15'$ E., lat. $8^{\circ} 55'$ N., 1,260 m., 0.2 m., fls. white, Sept., No. 4075.
 Aden : 150–450 m., 1 m., fls. blue, Mar., No. 5495. Vernac.—
Surui ; *Ausug*.
- Withania somnifera* Dun.—F.T.A. 4, 2 : 249.
 SOMALILAND : Hargeisa, long. $44^{\circ} 1'$ E., lat. $9^{\circ} 33'$ N., 1,290 m.,
 fls. greenish yellow, Sept., No. 3965. Daba Bur, long. $43^{\circ} 6'$ E.,
 lat. $9^{\circ} 59'$ N., 1,470 m., shrub 1 m., fls. green, Nov., No. 4604.
 Vernac.—*Gutitu* ; *Shuna shuna*.
- Solanum adoense* Hochst.—F.T.A. 4, 2 : 233.
 ABYSSINIA : Gara mulata Mt., long. $41^{\circ} 48'$ E., lat. $9^{\circ} 12'$ N.,
 2,730 m., 1 m., fls. very pale blue, fruit orange, Mar., No. 5357.
- S. campylacanthum* Hochst.—F.T.A. 4, 2 : 239.
 ABYSSINIA : Mulkajibri, long. $42^{\circ} 16'$ E., lat. $9^{\circ} 24'$ N., 1,770 m.,
 1 m., fls. purple, fruit yellow, Feb., No. 5087. Vernac.—*Omboi*.

S. carense Dunal—F.T.A. 4, 2 : 219.

SOMALILAND : Hargeisa, long. 44° 1' E., lat. 9° 33' N., 1,410 m., shrublet 0.5 m., fls. blue, berries poisonous to man, Sept., No. 3901. Vernac.—*Karil*.

S. dubium Fres.—F.T.A. 4, 2 : 235.

SOMALILAND : Hargeisa, 1,290 m., 0.25 m., fls. blue, Sept., No. 3964. Vernac.—*Mor*.

Solanum Gillettii Hutch. et E. A. Bruce, sp. nov., affinis *S. cynanchoidi* Chiov. sed ubique densius stellato-tomentosa, aculeis majoribus recurvatis, petiolis brevioribus differt.

Frutex ad 1.5 m. altus; rami aculeati, tomentosi, aculeis recurvatis circiter 8 mm. longis dimidiis inferioribus tomentosis. *Folia* ovata, margine undulata, breviter et late acuminata, basi subrotundata, 4–5 cm. longa, 3–3.5 cm. lata, utrinque stellato-tomentosa; costa media infra aculeis 2–3 armata; nervi laterales utrinsecus 4–5; petioli circiter 3 mm. longi. *Cymae* subsessiles, pauciflorae; pedicelli circiter 1 cm. longi, tomentosi. *Calyx* vix 1 cm. longus, extra tenuiter tomentosus, lobis 5 triangulari-lanceolatis tubo aequilongis. *Corolla* 2 cm. longa, profunde lobata, lobis lineari-lanceolatis mucronatis utrinque stellato-pubescentibus. *Antherae* exsertae, 8–10 mm. longae. *Stylus* antheris longior, basin versus pubescens.

ABYSSINIA : Harar-Gobelli road, long. 42° 1' E., lat. 9° 12' N., 1,740 m., 1.5 m., fls. purple, fruit yellow, 1 Mar., No. 5255 (type in Kew Herb.). Vernac.—*Omboi*.

S. gracilipes Decne—F.T.A. 4, 2 : 228.

SOMALILAND : Buramo, long. 43° 10' E., lat. 10° N., 1,260 m., fls. purplish-blue, subsacandent, Jan., No. 4877.

ABYSSINIA : long. 42° 19' E., lat. 9° 28' N., 2,400 m., fls. white, Feb., No. 5149.—Also in Socotra and east to India.

S. hastifolium Hochst. ex Dunal—F.T.A. 4, 2 : 226.

SOMALILAND : Dobo Pass, long. 43° 15' E., lat. 10° 15' N., 1,140 m., climber 2 m., fls. blue, Feb., No. 4954.

S. incanum Linn.—F.T.A. 4, 2 : 238.

SOMALILAND : Hargeisa, long. 44° 1' E., lat. 9° 33' N., 1,290 m., shrub 2 m., fls. blue, Sept., No. 3931. Boundary, long. 44° 10' E., lat. 8° 57' N., 1,290 m., 0.5 m., fls. blue, Oct., No. 4127. Vernac.—*Mor*; *Moh*; *Addur*.

S. marginatum Linn. f.—F.T.A. 4, 2 : 235.

ABYSSINIA : Galla Pass, long. 42° 19' E., lat. 9° 28' N., 2,340 m., fls. greenish cream and purple, Feb., No. 5127. Vernac.—*Umboi*.—Also in Eritrea.

S. melastomoides Wright—F.T.A. 4, 2 : 226.

SOMALILAND : Boundary, long. 44° 10' E., lat. 8° 57' N., 1,290 m., shrub 0.5 m., fls. pale blue, Oct., No. 4108. Vernac.—*Mor*.—Endemic.

S. Melongena Linn.—F.T.A. 4, 2 : 242.

SOMALILAND : Wobleh mt., long. 43° 17' E., lat. 10° 15' N., 1,380 m., prostrate or nearly so, fls. blue, Feb., No. 4983.

S. nigrum Linn.—F.T.A. 4, 2 : 218.

SOMALILAND : Boundary, long. $44^{\circ} 10' E.$, lat. $8^{\circ} 57' N.$, 1,290 m.,
fls. white, Oct., No. 4126. Buramo-Warieto tug, long. $43^{\circ} 10' E.$,
lat. $10^{\circ} 2' N.$, 1,080 m., fls. white faintly blue-tinged, Feb., No. 4923.
Abyssinia : Gara mulata Mt., long. $41^{\circ} 48' E.$, lat. $9^{\circ} 12' N.$, 2,430 m.,
fls. white, Mar., No. 5285.

S. obbiadense Chiov. Fl. Somala 239 (1929).

SOMALILAND : Boundary, long. $44^{\circ} 10' E.$, lat. $8^{\circ} 57' N.$, 1,260 m.,
prostrate subshrub, fls. bluish, Sept., No. 4097. Vernac.—*Me-eh
godleh*.—Endemic.

S. sepicula Dun. in DC. Prod. 13, 1 : 283 (1852).

SOMALILAND : Abasa, long. $43^{\circ} 4' E.$, lat. $10^{\circ} 6' N.$, 1,470 m.,
up to 30 cm., fls. purple, Dec., No. 4715. Vernac.—*Mee godle*.—
Also in Arabia.

Physalis peruviana Linn.—F.T.A. 4, 2 : 248.

ABYSSINIA : Kondudo Mt., long. $42^{\circ} 20' E.$, lat. $9^{\circ} 27' N.$,
2,640 m., fls. yellow with four black blotches at centre, Feb.,
No. 5206. Vernac.—*Tomatin*.

CONVOLVULACEAE.

Convolvulus glomeratus Choisy—F.T.A. 4, 2 : 94.

SOMALILAND : Elmis, long. $44^{\circ} 14' E.$, lat. $10^{\circ} 22' N.$, 510–600 m.,
fls. white, pink-tinged when fading, Oct., No. 4504. Vernac.—*Dānejo*.

C. Hystrix Vahl—F.T.A. 4, 2 : 90.

SOMALILAND : Berbera, straggling prostrate, fls. blue, Jan.,
No. 4735. Vernac.—*Geldabar*.

C. sericophyllus T. Anders.—F.T.A. 4, 2 : 90.

SOMALILAND : Elmis, 240 m., shrublet, 0.5 m., fls. white, Oct.,
No. 4490. Berbera, 90 m., fls. white with pink stripe, Jan.,
4764.—Also in Aden.

Merremia Cliffordii Hutch. et E. A. Bruce, sp. nov., aspectu
M. multisectae Hallier f., sed ramis pedunculis et calycibus longe
setoso-pilosis differt.

Caules graciles, virides, primum setoso-pilosi, mox glabrescentes.
Folia ambitu rotundata vel late ovata, 4–5 cm. lata, profunde
3–5-partita, glauco-viridia, glabra, segmentis pinnatipartitis et
undulatum lobulatis ; petioli usque ad 3 cm. longi, setoso-pilosi.
Flores flavo-rubri ; pedunculi foliis longiores usque ad 8 cm. longi,
2–5-flori ; bractee lineares, mucronatae, 2–3 mm. longae ; pedicelli
1–1.5 cm. longi. *Sepala* ovato-oblonga, apice obtusa, multivenosa,
circiter 1.2 cm. longa, 0.6 cm. lata, exteriora setoso-pilosa. *Corolla*
late infundibuliformis, 2 cm. longa, glabra ; tubus 1.3 cm. longus,
lobis rotundatis. *Antherae* 6 mm. longae, apice recurvatae, filamentis
7 mm. longis. *Ovarium* ovoideum, glabrum ; stylus 1.1 cm.
longus, glaber. *Discus* annularis, carnosus, glaber. *Capsula* late
ellipsoidea, glabra, calyce persistente involuta, 1.5 cm. longa.

SOMALILAND : Duwi, long. $44^{\circ} 15' E.$, lat. $10^{\circ} 5' N.$, 1,050 m.,
fls. yellowish red, fruits edible, 19 Oct., No. 4367 (type in Kew Herb.),
Vernac.—*Dabolu*.

Astrochtaena malvacea Hall. f.—F.T.A. 4, 2 : 121.

ABYSSINIA : Mulkajibri, long. $42^{\circ} 16' E.$, lat. $9^{\circ} 24' N.$, 1,680 m., 1 m., corolla crimson, Feb., No. 5086.

Ipomoea Hardwickii (Spreng.) Hemsl. *I. cardiosepala* Hochst. ex Choisy—F.T.A. 4, 2 : 147.

SOMALILAND : Hargeisa, long. $44^{\circ} E.$, lat. $9^{\circ} 33' N.$, 1,290 m., fls. pale purple, Sept., No. 3985. Vernac.—Saar.

I. cairica (L.) Sweet Hort. Brit. ed. 1, 287 (1827). *I. palmata* Forssk.—F.T.A. 4, 2 : 178.

SOMALILAND : Daraweina, long. $44^{\circ} 8' E.$, lat. $9^{\circ} 40' N.$, 1,140 m., climber, fls. pale mauve with purple centre, Oct., No. 4282.

I. cicatricosa Bak.—F.T.A. 4, 2 : 194.

SOMALILAND : Hargeisa, long. $44^{\circ} E.$, lat. $9^{\circ} 35' N.$, 1,410 m., small shrubby plant, fls. purple, Sept., No. 4032. Vernac.—Wahara wallis.

I. Donaldsonii Rendle—F.T.A. 4, 2 : 194.

SOMALILAND : Boundary Pillar 99, long. $44^{\circ} 39' E.$, lat. $8^{\circ} 37' N.$, 1,140 m.; small bush 0.5 m., fls. showy, white and purple, Oct., No. 4139. Vernac.—Bulumbal.—Endemic.

I. obscura Ker-Gawl—F.T.A. 4, 2 : 164.

SOMALILAND : Hargeisa, 1,290 m., fls. yellow, Sept., No. 4039.

I. tenuirostris Choisy—F.T.A. 4, 2 : 143.

ABYSSINIA : Fuyan Hunjuba, long. $42^{\circ} 17' E.$, lat. $9^{\circ} 26' N.$, 1,920 m., climber, fls. white, Feb., No. 5093 ; 5099.

Falkia oblonga Bernh.—F.T.A. 4, 2 : 65.

ABYSSINIA : Harar, long. $42^{\circ} 6' E.$, lat. $9^{\circ} 18' N.$, 1,950 m., fls. white with pink stripe, Feb., No. 5006.

Dichondra repens Forst.—F.T.A. 4, 2 : 65.

ABYSSINIA : Yuka, long. $41^{\circ} 40' E.$, lat. $9^{\circ} 25' N.$, 2,100 m., prostrate, fls. greenish, Mar., No. 5446.

Hildebrandtia sericea Hutch. et E. A. Bruce, sp. nov. affinis *H. somalensis* Engl., sed ramulis et foliis adpresse sericeis, floribus majoribus differt.

Suffrutex valde ramosus, usque ad 20 cm. altus, cortice brunneo ; rami longi sericei, breves pustuliformes et brevissimi, villosi. *Folia* fasciculata, oblanceolata, apice rotundata vel subacuta, ad basin attenuata, circiter 1 cm. longa et 3 mm. lata, adpresse cinereo-sericea. *Flores* dioici, ♂ tantum visi, subsessiles, albi ; calycis lobi 5, subaequales, ovati, acuti, circiter 2 mm. longi, extra sericei ; corolla circiter 8 mm. longa, tubo subcylindrico extra leviter pubescente, lobis late ovatis apice acutis extra pilosis circiter 3 mm. longis ; stamina subaequalia, 4, vix exserta, uno longiore ; antherae 2 mm. longae ; ovarii rudimentum hemisphericum, glabrum, stylis 2 staminibus brevioribus 4 mm. longis, stigmatibus lobulatis.

SOMALILAND : Boundary, long. $44^{\circ} 15' E.$, lat. $8^{\circ} 58' N.$, 1,260 m., shrublet 0.2 m., fls. white, 30 Sept., No. 4098 (type in Kew Herb.). Vernac.—Mirrhu.

H. somalensis Engl.—F.T.A. 4, 2 : 70.

SOMALILAND : Boundary Pillar 93, long. $45^{\circ} 9' E.$, lat. $8^{\circ} 37' N.$, 990 m., sometimes climbing, Oct., No. 4156. Jebel Wotni, long. $45^{\circ} 6' E.$, lat. $10^{\circ} 18' N.$, 390 m., climbing in Acacia, fls. yellowish, Jan., No. 4799. Vernac.—Daiyu.

Hildebrandtia villosa Hutch. et E. A. Bruce, sp. nov., affinis *H. africanae* Vatke, sed pilis patulis dense villosa differt.

Suffrutex ramosus usque ad 20 cm. altus, cortice cinereo-albido, ramulis lateralibus gracilibus apice subspinescentibus; ramuli ultimi pustuliformes. *Folia* fasciculata, oblongo-oblancoolata, apice rotundata, basi angustata, 0.7–1 cm. longa, 2–3 mm. lata, pilis patulis dense et molliter villosa. *Flores* dioici, solitarii; ♂ breviter pedicellati: calycis lobi 4, inaequales, exteriores 2 multo majores, late elliptici, apice rotundati, 2 mm. longi, 1.5 mm. lati, pilosi, interiores 2 obovati, acute acuminati, 1.5 mm. longi; corolla pallide flava, vix 1 cm. longa, tubo infundibuliformi extra glabro, lobis late ovatis apice emarginatis et pilis brevibus ornatis 3 mm. longis; stamina inaequalia, longiora leviter exserta; antherae vix 2 mm. longae; ovarii rudimentum ovoideum, glabrum, stylis 2 filiformibus 1 cm. longis apice laciniatis. *Flores* ♀ pedicellis 8 mm. longis; calycis lobi valde inaequales, exteriores 2 decurrentes, suborbiculares, basi cuneati, 1 cm. longi, pilosi, interiores 2 minimi, transverse oblongo-elliptici, 1 mm. longi, fere glabri; corolla tubulosa, 8 mm. longa, lobis oblongis; staminum rudimenta parva; ovarium late ovoideum, 1.5 mm. longum, glabrum; styli 2, filiformes, longe laciniati.

SOMALILAND: Dubar, long. 45° 5' E., lat. 10° 20' N., 300 m., 20 cm., fls. pale yellow, bracts enlarged green, 2 Jan., No. 4770 (type in Kew Herb.); 4771; without locality, *Lort Phillips*. Vernac.—*Daiyu*.

Seddera arabica (Forssk.) Choisy—F.T.A. 4, 2: 76.

SOMALILAND: Boundary, long. 44° 10' E., lat. 8° 57' N., 1,290 m., fls. white, Oct., No. 4111. Dobo Pass, long. 43° 15' E., lat. 10° 15' N., 1,140 m., 20 cm., fls. white, Feb., No. 4962.

Seddera cinerea Hutch. et E. A. Bruce, sp. nov. affinis *S. latifoliae* Hochst. et Steud., sed foliis plus minusve ovatis, floribus pedicellatis, corolla calyce longiore differt.

Suffrutex usque ad 30 cm. altus, basi lignosissimus; caules erecti, laxe foliati, molliter cinereo-tomentosi. *Folia* ovata vel ovato-rotundata, apice acuta vel rotundata, mucronata, basi rotundata, 1.8 cm. longa, 1.3 cm. lata, crassa, molliter cinereo-tomentosa, nervis lateralibus utrinsecus circiter 3 infra prominentibus; petioli circiter 3 mm. longi. *Flores* solitarii, axillares; pedicelli 2.5 mm. longi, medium versus bracteolis duabus subulatis instructi. *Calycis lobi* leviter inaequales, elliptico-lanceolati, acuti, usque ad 8 mm. longi, extra stellato-pubescentes. *Corolla* alba, fere 1 cm. longa; tubus anguste infundibuliformis, glaber, lobis ovato-triangularibus, extra adpresse pilosis. *Stamina* exserta, filamentis inferne bilobulatis. *Ovarium* ovoideum, apice pilosum; styli ad basin liberi, glabri, stigmatibus parvis capitatis.

SOMALILAND: Duwi, long. 44° 15' E., lat. 10° 5' N., 1,140 m., fls. white, 22 Oct., No. 4426 (type in Kew Herb.).

S. Hallieri Engl. & Pilger in Engl. Bot. Jahrb. 41: 294 (1908).

SOMALILAND: Hargeisa, long. 44° E., lat. 9° 33' N., 1,290 m., fls. white, Sept., No. 3972.—Endemic.

- S. latifolia* Hochst. & Steud.—F.T.A. 4, 2 : 75.
 SOMALILAND : Hargeisa, 1,440 m., fls. white, Sept., No. 3952.
 Vernac.—*Nagad*.
- S. spinescens* Peter—F.T.A. 4, 2 : 74.
 SOMALILAND : near Dubar, long. $44^{\circ} 5' E.$, lat. $10^{\circ} 20' N.$, 120 m.,
 fls. white, Jan., No. 4765.—Endemic.
- Bonamia glomerata* (Balf. f.) Hall. f. in Engl. Bot. Jahrb. 18 : 90
 (1894). *Breweria glomerata* Balf. f.
 SOMALILAND : Debrawen, long. $43^{\circ} 10' E.$, lat. $10^{\circ} 5' N.$, 1,020 m.,
 prostrate, fls. pinkish, Feb., No. 4935.—Also in Socotra.
- Cuscuta planiflora* Ten.—F.T.A. 4, 2 : 203.
 SOMALILAND : Hargeisa, long. $44^{\circ} E.$, lat. $9^{\circ} 35' N.$, 1,380 m.,
 fls. white, Oct., No. 4273.
- ABYSSINIA : Gafra valley; long. $42^{\circ} 13' E.$, lat. $9^{\circ} 21' N.$,
 1,500 m., fls. white, stems dark crimson, Feb., No. 5074.

SCROPHULARIACEAE.

- Celsia keniensis* Murb. in Lunds Univ. Årsskrift, n.f. 22, 1 : 70
 (1925).
 ABYSSINIA : Yuka, long. $41^{\circ} 40' E.$, lat. $9^{\circ} 25' N.$, 2,250 m.,
 fls. yellow with crimson marks, Mar., No. 5461.—Also in Kenya.
- Verbascum Schimperii* Skan in F.T.A. 4, 2 : 280.
 ABYSSINIA : Galla Pass, long. $42^{\circ} 19' E.$, lat. $9^{\circ} 28' N.$, 2,340 m.,
 shrub 3 m., fls. greenish, ripe fruit orange, Feb., No. 5125. Kondudo
 Mt., long. $42^{\circ} 20' E.$, lat. $9^{\circ} 27' N.$, 2,910 m., fls. yellow, No. 5225.
 •Vernac.—*Timbolone*.
- V. Ternacha* Hochst. ex A. Rich.—F.T.A. 4, 2 : 279.
 ABYSSINIA : Harar, long. $42^{\circ} 6' E.$, lat. $9^{\circ} 18' N.$, 1,920 m.,
 0.5 m., fls. yellow, Feb., No. 5012.
- Anticharis linearis* Hochst. ex Aschers.—F.T.A. 4, 2 : 276.
 SOMALILAND : Slopes of Marmar range, long. $42^{\circ} 47' E.$, lat.
 $10^{\circ} 29' N.$, 1,050 m., plant viscid, fls. blue, Nov., No. 4657.
 Vernac.—*Dia tiri*.
- Alectra asperrima* Benth.—F.T.A. 4, 2 : 369.
 SOMALILAND : Hargeisa, long. $44^{\circ} E.$, lat. $9^{\circ} 35' N.$, fls. yellow,
 Oct., No. 4250.
- A. parasitica* A. Rich.—F.T.A. 4, 2 : 366.
 SOMALILAND : Hargeisa, long. $44^{\circ} 2' E.$, lat. $9^{\circ} 34' N.$, 1,380 m.,
 fls. yellow, stem purple, Oct., No. 4276.
- Bartsia longiflora* Hochst. ex Benth.—F.T.A. 4, 2 : 461.
 ABYSSINIA : Kondudo mt., long. $42^{\circ} 20' E.$, lat. $9^{\circ} 27' N.$,
 2,700 m., 1 m., viscid, fls. sulphur yellow with crimson veins, Feb.,
 No. 5224.
- B. Petitiana* Hemsl.—F.T.A. 4, 2 : 460.
 ABYSSINIA : Gara mulata Mt., long. $41^{\circ} 48' E.$, lat. $9^{\circ} 12' N.$,
 2,880 m., fls. pink, Mar., No. 5322.
- Cynium erectum* Rendle—F.T.A. 4, 2 : 434.
 ABYSSINIA : Yuka, long. $41^{\circ} 40' E.$, lat. $9^{\circ} 25' N.$, 2,070 m.,
 1.5 m., fls. white fragrant, Mar., No. 5417.—Also in Somaliland.

Striga gesnerioides (Willd.) Vatke in Oest. Bot. Zeitschr. 1875 : II.
S. orobanchoides Benth.—F.T.A. 4, 2 : 402.

SOMALILAND : Hargeisa, long. 44° E., lat. 9° 33' N., 1,380 m.,
fls. pale pink, Oct., No. 4253. Junction of tugs, long. 44° 18' E.,
lat. 9° 57' N., 810 m., fls. pink, Oct., No. 4347. Buramo, long.
43° 10' E., lat. 10° N., 1,440 m., fls. pink, Dec., No. 4723. Buramo
Varieto tug, long. 43° 10' E., lat. 10° 2' N., 1,080 m., Feb., No. 4918.
Near Buramo, long. 43° 10' E., lat. 10° N., 1,500 m., fls. pink, plant
purplish green, Dec., No. 4722. Debrawen, long. 43° 10' E., lat. 10° 5'
N., 1,020 m., fls. crimson, Feb., No. 4938. Vernac.—*Ara mudoweyi*.

Linaria hastata R. Br.—F.T.A. 4, 2 : 290.

SOMALILAND : Barataga, long. 44° 1' E., lat. 10° 5' N., 990 m.,
fls. yellow, Oct., No. 4525.

Schweinfurthia pedicellata Benth. & Hook. f. in Gen. Pl. 2 :
934 (1876).

ADEN : 150 m., fls. pale purple, Mar., No. 5501.—Also in Socotra.

S. pterosperma A. Br.—F.T.A. 4, 2 : 293.

SOMALILAND : Las Dawan, long. 45° 12' E., lat. 10° 20' N.,
180 m., annual, fls. pale lilac with yellow and purple markings, Jan.,
No. 4807.

Halleria lucida Linn.—F.T.A. 4, 2 : 295.

ABYSSINIA : Gara mulata Mt., long. 41° 45' E., lat. 9° 15' N.,
2,490 m., bush 4 m., fls. red, Mar., No. 5376.

Lindenbergia sinaica Benth.—F.T.A. 4, 2 : 312.

SOMALILAND : Elmis, long. 44° 14' E., lat. 10° 22' N., 570 m.,
herb 20 cm., viscid, aromatic, fls. bright yellow with crimson,
mottlings at throat, Oct., No. 4503. Ali Wein Mt., long. 45° 15' E.,
lat. 10° 24' N., 300 m., very aromatic, fls. yellow with red and
purple markings, Jan., No. 4825. Aden : 300 m., fls. yellow, Mar.,
No. 5484. Vernac.—*Farahod*.

Craterostigma plantagineum Hochst.—F.T.A. 4, 2 : 329.

SOMALILAND : Boundary Pillar 93, long. 45° 9' E., lat. 8° 37' N.,
990 m., fls. white and blue with yellow centre, Oct., No. 4159.
Sigib mt., long. 43° 11' E., lat. 10° 19' N., 1,470 m., fls. blue with
white margins and yellow spots in throat, Feb., No. 4995.

Campylanthus junceus Edgw. in Journ. As. Soc. Beng. 16 : 1217
(1847).

SOMALILAND : Camp 4, long. 44° 16' E., lat. 10° N., 1,080 m.,
fls. pale lilac, Oct., No. 4356. Dubriat Mt., long. 45° 10' E., lat.
10° 22' N., 150 m., slender twiggy shrub up to 2.5 m., fls. blue,
Jan., No. 4775. Aden : 150–450 m., 1 m., fls. white, Mar., No. 5496.
Vernac.—*Merho dabera*.—Known previously only from Aden.

Veronica abyssinica Fresen.—F.T.A. 4, 2 : 358.

ABYSSINIA : Harar-Gobelli Road, No. 5254. Gara mulata Mt.,
long. 41° 48' E., lat. 9° 12' N., 2,520 m., prostrate, fls. sky-blue,
Mar., No. 5289.

V. Anagallis-aquatica Linn.—F.T.A. 4, 2 : 357.

ABYSSINIA : Mulkajibri, long. 42° 16' E., lat. 9° 24' N., 1,620 m.,
fls. pale blue, Feb., No. 5078. Vernac.—*Mej. Gusnole*.

OROBANCHACEAE.

Cistanche Phelipaea (Linn.) Cout. Fl. Port. 571; F.W.T.A. 2: 231. *C. lutea* Hoffm. & Link—F.T.A. 4, 2: 463.

SOMALILAND: Hargeisa, long. 44° E., lat. 9° 33' N., 1,290 m., fls. yellow, Oct., No. 4240. Near Buramo, long. 43° 10' E., lat. 10° N., 1,500 m., fls. yellow, Nov., No. 4603. Vernac.—*Oro warraba*; *Hablo bor*.

Orobanche cernua Loeff. var. *desertorum* Beck.—F.T.A. 4, 2: 466.

SOMALILAND: Hargeisa, 1,290 m., fls. cream and violet, Sept., No. 3957. Buramo-Warieto tug, long. 43° 10' E., lat. 10° 2' N., 1,080 m., fls. white and purple, Feb., No. 4921. Vernac.—*Oro waraba*.

BIGNONIACEAE.

Rhigozum somalense Hall. f.—F.T.A. 4, 2: 532.

SOMALILAND: Afard, long. 44° 8' E., lat. 10° 10' N., 540 m., shrub 3 m., fls. yellow, Oct., No. 4455. Vernac.—*Binin*.—Endemic.

PEDALIACEAE.

Pterodiscus undulatus Bak. f.—F.T.A. 4, 2: 545.

SOMALILAND: Bir Dai, long. 44° 18' E., lat. 9° 55' N., 900 m., bare sand near tug, herb, fls. pink, Oct., No. 4334. Vernac.—*Burki māla*.—Endemic.

P. Wellbyi Stapf—F.T.A. 4, 2: 544.

SOMALILAND: Boundary Pillar 93, long. 45° 9' E., lat. 8° 37' N., 990 m., fls. dull red outside, yellowish within, Oct., No. 4220. Vernac.—*Burri Wey*.

Sesamothamnus Smithii Bak.—F.T.A. 4, 2: 568.

SOMALILAND: Boundary Pillar 93, 990 m., shrub 3 m., fls. very handsome red and white, Oct., No. 4179. Vernac.—*Sulelma*.

ACANTHACEAE.*

Ruellia discifolia Oliv.—F.T.A. 5: 47.

SOMALILAND: Hargeisa, long. 44° 1' E., lat. 9° 33' N., 1,290 m., fls. white opening at night, Sept., No. 3989. Vernac.—*Hābo*.—Endemic.

R. lineari-bracteolata Lindau—F.T.A. 5: 47.

SOMALILAND: Camp 4, long. 44° 16' E., lat. 10° N., 1,050 m., fls. pale lilac, Oct., No. 4364.—Endemic.

R. patula Jacq.—F.T.A. 5: 45.

SOMALILAND: Hargeisa, long. 44° 1' E., lat. 9° 33' N., 1,290 m., in tree Acacia formation, fls. blue, Sept., No. 3943. Boundary, long. 44° 15' E., lat. 8° 55' N., 1,260 m., Sept., No. 4076. Ali Wein Mt., long. 45° 15' E., lat. 10° 24' N., 600–840 m., on limestone slopes, fls. purple, Jan., No. 4827. Vernac.—*Gāgāleh*.

* Determinations by E. Milne-Redhead and Dr. Chiovenda.

- Thunbergia Paulitschkeana* Beck—F.T.A. 5 : 13.
 ABYSSINIA : Harar, long. 42° 6' E., lat. 9° 18' N., 1,950 m., on limestone in open grass, prostrate herb, fls. bright yellow, Feb., No. 5022.—Endemic.
- Dyschoriste fruticulosa* (Rolfe) Chiov. Fl. Somalia 249.
D. somalensis Rendle—F.T.A. 5 : 78.
 SOMALILAND : Hargeisa, long. 44° 1' E., lat. 9° 33' N., 1,290 m., on alluvium, fls. yellow, Sept., No. 4017. Vernac.—*Gägāleh*.—Endemic.
- Dyschoriste radicans* Nees—F.T.A. 5 : 73.
 ABYSSINIA : Harar, long. 42° 6' E., lat. 9° 18' N., 1,950 m., on limestone, prostrate herb, fls. blue, Feb., No. 5032.
- * *Asystasia Coleae* Rolfe—F.T.A. 5 : 135.
 SOMALILAND : Duwi, long. 44° 15' E., lat. 10° 5' N., 1,020 m., in tree-Acacia-grass community, fls. white, Oct., No. 4423 ; Buramo, long. 43° 10' E., lat. 10° N., 1,260 m., on sandy bank, Jan., No. 4873 ; Abyssinia, S.W. of Fuyan Hunjuba, long. 42° 17' E., lat. 9° 26' N., 1,890 m., in waste places, prostrate, Feb., No. 5096.
- A. parvula* C.B.Cl.—F.T.A. 5 : 132.
 SOMALILAND : Dobo Pass, long. 43° 15' E., lat. 10° 15' N., 1,200 m., on gneiss slopes, fls. white with crimson veins on lower lip, Feb., No. 4953.—Endemic.
- Crossandra nilotica* Oliv.—F.T.A. 5 : 115.
 SOMALILAND : Biyu sultan, long. 43° E., lat. 10° 20' N., 1,200 m., in ravine with *Ficus*, fls. purple, Dec., No. 4703.
- C. spinosa* Beck.—F.T.A. 5 : 114.
 SOMALILAND : Duwi, long. 44° 15' E., lat. 10° 5' N., 900 m., on rock slopes with *Commiphora*, fls. yellow, Oct., No. 4390 ; Debrawen, long. 43° 10' E., lat. 10° 5' N., on stony limestone hill, Feb., No. 4933.
- Blepharis edulis* (Forssk.) Pers.—F.T.A. 5 : 102.
 SOMALILAND : Hargeisa, long. 44° 1' E., lat. 9° 33' N., 1,290 m., dry ground, fls. blue, Sept., No. 4001. Vernac.—*Yamarug*.
- B. fruticulosa* C.B. Cl.—F.T.A. 5 : 99.
 SOMALILAND : Hargeisa, long. 44° 1' E., lat. 9° 33' N., 1,290 m., on stony sandstone slopes and drier alluvium, fls. blue, Sept., No. 4011. Vernac.—*Habag yamaru*.
- B. linariifolia* Pers.—F.T.A. 5 : 100.
 ABYSSINIA : Haramaia-Harar Road, long. 42° 4' E., lat. 9° 20' N., 1,980 m., prostrate, fls. blue, Mar., No. 5474.
- Acanthus eminens* C.B. Cl.—F.T.A. 5 : 107.
 ABYSSINIA : near Kofajalo, long. 41° 51' E., lat. 9° 9' N., 2,280 m., on limestone, by stream, 3 m. high, scandent, fls. deep blue, Mar., No. 5280.
- Barleria acanthoides* Vahl—F.T.A. 5 : 152.
 SOMALILAND : between Duwi and Afard, long. 44° 10' E., lat. 10° 8' N., 720 m., on schist rocks, fls. pink, Oct., No. 4436. Jalelo, long. 44° 14' E., lat. 9° 45' N., 1,080 m., fls. white, Oct., No. 4298. Werawis valley, long. 43° 50' E., lat. 10° 15' N., 690 m., Nov., No. 4535.

B. diffusa (Oliv.) Lindau in Engl. & Prantl. Pfl. Fam. 4, 3B : 315.
SOMALILAND : Boundary, long. $44^{\circ} 10' E.$, lat. $8^{\circ} 57' N.$, 1,260 m.,
in open places, fls. pale blue, Sept., No. 4093. Vernac.—*Ged hared.*

B. eranthemoides R. Br. ex C.B. Cl.—F.T.A. 5 : 147.

SOMALILAND : Simodi, long. $43^{\circ} 30' E.$, lat. $10^{\circ} 5' N.$, 1,200 m.,
Nov., No. 4564. Abyssinia : Gafra Valley, long. $42^{\circ} 13' E.$, lat.
 $9^{\circ} 21' N.$, 1,500 m., on granite in deciduous scrub, fls. yellow, Feb.,
No. 5070. Vernac.—*Wana ad* (Somali).

B. Hildebrandtii S. Moore—F.T.A. 5 : 162.

SOMALILAND : Hargeisa, long. $44^{\circ} 1' E.$, lat. $9^{\circ} 33' N.$, 1,290 m.,
on drier alluvium, fls. blue, Sept., No. 4005. Long. $43^{\circ} 16' E.$,
lat. $10^{\circ} 5' N.$, 1,140 m., 30 cm., fls. blue, Nov., No. 4598. Vernac.—
Habo.—Endemic.

B. Hochstetteri Nees—F.T.A. 5 : 156.

SOMALILAND : long. $44^{\circ} 8' E.$, lat. $10^{\circ} 10' N.$, 510 m., fls. pale
pink with crimson spot in throat, Oct., No. 4435. Kabri bahr,
long. $43^{\circ} 44' E.$, lat. $10^{\circ} 20' N.$, 420 m., Nov., No. 4546.

B. parviflora R. Br. ex T. Anders.—F.T.A. 5 : 156.

SOMALILAND : Hargeisa, 1,290 m., on stony slopes, fls. pink,
Sept., No. 3991 ; Duwi Pass, long. $44^{\circ} 15' E.$, lat. $10^{\circ} 5' N.$, 1,080 m.,
Oct., No. 4365.

B. proxima Lindau—F.T.A. 5 : 145.

SOMALILAND : Hargeisa, 1,290 m., on stony sandstone slopes,
Oct., No. 3990 ; Boundary, long. $44^{\circ} 39' E.$, lat. $8^{\circ} 47' N.$, 1,140 m.,
in shade of trees, Oct., No. 4147. Vernac.—*Odon Tonleh Aran ;*
ad.—Endemic.

Barleria (Prionitis) *punctata* Milne-Redhead, sp. nov. a *B.*
diacantha Hochst. ex Nees foliis minoribus punctatis, bracteis haud
dense pubescentibus, calycis segmentis minoribus obtusis glabris
pruinosis facile distinguenda.

Planta fruticosa, spinosa ; rami dense ramulosi, nodos versus
sparse strigosi, internodiis brevibus. *Folia* subsessilia, elliptica vel
late oblanceolata, apice obtusa vel acuta, mucronata, basi attenuata,
usque 2.5 cm. longa et 1.5 cm. lata, utrinque glabra sed margine et
nervis parcissime adpresse strigosis, utrinque minute nigroglanduloso-
punctata et cystolithis inconspicuis dense instructa. *Spinae* axillares
breviter stipitatae, radiis 2 vel interdum 3 usque 1.9 cm. longis
albo-brunneis patentibus instructae. *Inflorescentiae* uniflorae, axil-
lares, apicem versus ramulorum spicatum aggregatae ; bractee
inferiores foliis similes, superiores minores apice valde spinosae,
basin versus plus minusve dense et conspicue peltato-glandulosae ;
bracteolae minutae, anguste lanceolatae, acutae, haud spinosae,
usque 2 mm. longae, glabrae, ciliatae, pruinosae. *Calycis segmenta*
4, valde imbricata, basin versus tubum brevem formantia, ovata vel
late elliptica, circiter 4 mm. longa et 3 mm. lata, lateralia angustiora,
omnia apice rotundata, extra inferne et medium versus sparse
hirsuta, superne pruinosa, intus glabra. *Corolla* flava, circiter
3.2 cm. longa, bilabiata, glabra ; tubus cylindricus, inferne leviter
ampliatius, circiter 1.5 cm. longus et 3 mm. diametro ; labium

posticum circiter 1.7 cm. longum, inferne tubiforme, superne expansum, 4- vel 3-lobatum; lobi obovati, circiter 11 mm. longi et 9 mm. lati, apice rotundati, basi vix angustati; labium anticum obovatum, apice rotundatum vel obscure 3-lobatum, basi angustatum, 1.4 cm. longum et 1.1 cm. latum. *Stamina* 2, filamentis anguste ligulatis minute puberulis, antheris dithecis circiter 4 mm. longis; staminodia 2, filamentis filiformibus circiter 4 mm. longis, antheris valde redactis sterilibus. *Discus* cupularis, liber, margine irregulariter undulatus, circiter 1 mm. altus. *Ovarium* conicum, vix 4 mm. altum, glabrum; stylus filiformis, circiter 2.8 cm. longus, glaber; stigma cylindricum. *Capsula* disperma, rostrata, 1.7 cm. longa, glabra.

SOMALILAND: Barataga, long. 44° 1' E., lat. 10° 5' N., 1,290 m., 1 m., fls. yellow, 31 Oct., No. 4522 (type in Kew Herb.). Vernac.—*Aran ad.*

B. quadrispina Lindau—F.T.A. 5: 147.

SOMALILAND: Hargeisa, 1,290 m., on stony sandstone slopes, fls. white, Sept., No. 3994. Vernac.—*Aran ad.*

B. somalensis Franch. in Révoil Comali 51 (?).

SOMALILAND: Simodi, long. 43° 30' E., lat. 10° 5' N., 1,680 m., corolla-lobes sky blue, tube white, Nov., No. 4564.—Endemic.

B. ventricosa Hochst. ex Nees—F.T.A. 5: 164.

SOMALILAND: Galla Pass, Feb., No. 5111A.

The following numbers of *Barleria* have not yet been determined, some being represented by rather imperfect material:—Nos. 4243, 4360, 4449, 4574, 4999, 5111.

Adhatoda Schimperiana Nees—F.T.A. 5: 221.

SOMALILAND: Wobleh Mt., long. 43° 17' E., lat. 10° 15' N., 1,350 m., in tree *Acacia* open wood, fls. white, scrambling to 3 m., Nov., No. 4594. Abyssinia: Harar, long. 42° 10' E., lat. 9° 20' N., 1,650 m., on granite, ascending woody herb, corolla white, calyx and flowering bracts pale green, Feb., No. 5057.

Peristrophe bicalyculata (Retz.) Nees—F.T.A. 5: 242.

SOMALILAND: Hargeisa, 1,290 m., in *Acacia-Zyzyphus*-grass community in moist places, fls. crimson, 0.5 m. high, Oct., No. 4236.

Isoglossa somalensis Lindau?—F.T.A. 5: 231.

ABYSSINIA: Galla Pass, long. 42° 19' E., lat. 9° 25' N., 2,280 m., in shaded gully by stream, fls. pinkish-white, Feb., No. 5198.

Dicliptera glanduligera Chiov., sp. nov.; affinis *D. maculatae* (Hochst.) Nees, quae differt bracteis ellipticis obtusis; bracteis spinulosis ad *D. micrantham* vergit.

Herba ramis semi-metralibus breviter densiuscule pubescentibus, internodiis 4-12 cm. longis 1.5-2 mm. crassis. *Folia* petiolata opposita; petiolus gracilis, 7-18 mm. longus, puberulus; laminae ovatae vel ovato-lanceolatae, basi rotundatae vel aliquantum cuneatae, apicem versus longe acuminatae, acutae, 6-7 cm. longae 3-3.7 cm. latae, membranaceae, supra intense virides, pilis parvis setulosis sparsae subtus pallidae paulo densius pilosae; margines integerrimi, plani; folia floralis regionis valde minora, petiolo

4-6 mm. longo, lamina ovato-lanceolata vel lanceolata usque lanceolato-lineari 0.6-3 cm. longa, 1-13 mm. lata. *Inflorescentiae* umbellatae, laxae, ex axillis superioribus orientes; *pedunculus* 5-15 mm. longus, dense breviterque pilis simplicibus patulis et glandulis crebris flavescenti-pubescentibus; *spicularum* uniflorarum *pedicelli* 4-8 mm. longi, flavido-glanduloso-pubescentes; *bractee* 2, oppositae, oblanceolatae, paulum inaequales, interior 8 mm. longa, exterior 10 mm. longa, 2.5-3.5 mm. latae, basi parum longius attenuatae, apice brevius acuminatae, spinuloso-cuspidatae, subcoriaceae, rigidulae, e basi manifeste trinerviae, nervis viridibus prope basin in colore albido per reliquas bracteas valde conspicuis, extra dense glandulis subsessilibus scabridae. *Calyx* dentibus 5, 4 subaequalibus 2 anticis et posticis cum intermedio brevioribus omnibus subulato-acuminatis, longioribus 6 mm. longis, brevioribus 5 mm. longo. *Corolla* pallide rosea, tubo cylindrico 7-8 mm. longo, apice 2 mm. diam. extus pilosulo; *labium* superius ellipticum, 10-11 mm. longum, 5 mm. latum, apice obtusissimum integrum, dorso convexum, extra parce pilosulum; inferius 11-12 mm. longum, 3 mm. latum, marginibus subparallelis, apice obtuse 3-dentatum. *Stamina* 2, filamentis 9 mm. longis, papilloso-pilosulis usque ad 1/2 superius; *antherae* dithecae, thecis globosis 1 mm. circ. longis et latis, immediate superpositis. *Capsula* ovato-lanceolata, 7 mm. longa, 3 mm. lata, nervis dorsalibus 1 mm. circ. latis, marginibus membranaceis, extra pilosula, maturitate cum elasticitate aperiens, marginibus laceratis. *Semina* subrotunda, lenticularia, 2 mm. longa et lata, compresso-explanata, fusce flavescencia, nigro-punctulata.

ABYSSINIA: S.E. of Yuka, long. 41° 40' E., lat. 9° 25' N., 2,220 m., in *Juniperus-Podocarpus* forest, fls. crimson, 7 Mar., No. 5407 (type in Kew Herb.).

Dicliptera verticillata (Forssk.) C. Chr. in Dansk. Bot. Arkiv. 4, 3: 11 (1922).

SOMALILAND: Buramo, long. 43° 10' E., lat. 10° N., 1,470 m., fls. small, corolla tube white, lobes purplish, Dec., No. 4719.

Justicia aridicola Rendle—F.T.A. 5: 193.

SOMALILAND: Hargeisa, 1,290 m., among aloes, fls. blue, 0.5 m. high, Sept., No. 3937; Debrawen, long. 42° 10' E., lat. 10° 5' N., 990 m., on limestone alluvium, Feb., No. 4929. Vernac.—*Habo*.

J. flava Vahl—F.T.A. 5: 190.

SOMALILAND: Hargeisa, 1,290 m., in tree Acacia formation, fls. yellow, Sept., No. 3926.

Justicia Gillettii Chiov., sp. nov. (§*Calophanoides*), sepalis demum rigidis videtur insignis; *J. Lazaru* S. Moore et *J. galeopsidi* T. And. vicinior.

Caulis graciles elongati, internodiis 1.5-4.5 cm. longis, tetragonis, valde ramosis, ramis 13-20 cm. longis patentibus simplicibus vel iterum divisis, internodiis 1.5-2.5 cm. longis, ramulis 1.5-4 cm. longis internodiis abbreviatis. *Folia* opposita, caulina subsessilia vel sessilia, ovata vel ovato-lanceolata, 8-18 mm. longa 3-6 mm.

lata, supra intense viridia, sparse pilosula, in axillis foliorum floralium valde diminutorum ovato-lanceolatorum vel linearium 5-6 mm. longorum 1-1.5 mm. latorum obtusiusculorum fasciculata. *Calyx* 4.6-6 mm. longus, sepalis 5 aequalibus anguste linearibus sub anthesi viridibus tenuissime pilosulis, albo-marginulatis, post anthesin albicantibus glabris, basi 1.5 mm. latis, usque ad 1/4 vel 1/2 inferius post anthesin incrassatis, dorso rotundatis rigidis, supra sensim subulato-attenuatis acutissimis, erectis. *Corolla* rosea, tubo pallido cylindrico circ. 5 mm. longo, apice leviter dilatato, extra minute pilosulo; labium superius circ. 3 mm. longum, ovatum, tubum continuans, apice vix brevissime bidentatum, longitudinaliter rubro-nervosum; inferius circ. 5 mm. longum, 4 mm. latum, obtuse trilobum, supra glabrum, rubrum, subtus puberulum, pallidum. *Stamina* quam labium superius vix breviora, filamentis glabris. *Ovarium* glabrum, anguste lanceolatum, stylo glabro.

SOMALILAND: Boundary, 1,290 m., in *Acacia latronum* association, fls. crimson, 2 Oct., No. 4110 (type in Kew Herb.).

J. heterocarpa T. Anders.—F.T.A. 5: 200.

SOMALILAND: Debrawen, long. 43° 10' E., lat. 10° 5' N., 990 m., on limestone alluvium, fls. pink, Feb., No. 4932.

J. Lortae Rendle—F.T.A. 5: 201.

SOMALILAND: Boundary, long. 44° 10' E., lat. 8° 57' N., 1,290 m., fls. yellow, Oct., No. 4121.

Justicia minutifolia Chiov. sp. nov. (§*Calophanoides*).

Eruticulus demissus, caulibus caespitosis e basi ramosissimis, longioribus humistratis, vetustioribus cortice pallide cinereo, fibroso-dilacerato; rami floriferi 5-10 cm. longi, erecti, recti, rigidi, post mortem albi usque candidi, apice subspinescentes; internodia 0.3-2.5 cm. longa. *Folia* omnino parva; subsessilia, cum ramulis abbreviatis subfasciculata; petiolus 0.5-0.7 mm. longus; lamina lineari-obovata, vel lineari-oblancoolata, 3-6 mm. longa, 1-2 mm. lata, utrinque attenuata, basi saepius magis, apice obtusa vel rotundata, sicco viridi-cinerascens, utrinque pilis densiusculis brevissimis subsericeis adpressis canescens, costa sola subtus prominula, nervi et venae omnino evanidi. *Flores* axillares, solitarii, subsessiles. *Calyx* 4 mm. longus; tubus brevissimus, vix 0.5 mm. longus; sepala linearia 3.5 mm. longa, basi 1 mm. lata, apice acuta, extra adpresse cinereo-puberula. *Corolla* 8 mm. longa, intus rubra, extra pallida, puberula, tubo 5 mm. longo, sensim sursum ampliato; labia subaequilonga, 3 mm. longa; superius ovatum, apice emarginatum; inferius rotundato-ovatum, obtuse trilobum. *Ovarium* lanceolatum, densiuscule pilosum; stylus filiformis, 8 mm. longus, basi pilosulus, superne glaber. *Capsula* lanceolata, 6 mm. longa, 1.2-2 mm. lata et spissa, obtuse tetragona, pilis brevissimis undique sparsa. *Semina* 1 pro loculo, subrotunda, 2 mm. circ. diam., corrugata.

SOMALILAND: Boundary, long. 40° 10' E., lat. 8° 57' N., 1,260 m., on limestone in deep red soil, 29 Sept., No. 4079A (type in Kew Herb.).

Justicia scabrula Chiov. sp. nov. (§*Calophanoides*); affinis *J. Phillipsiae* Rendle foliis nigricantibus scaberulis obovatis vel oblanceolatis obtusissimis calycibus brevioribus differt.

Fruticulus ramosissimus, ramis vetustis lignosis cortice pallide cinereo tectis, junioribus dense pilis minutissimis adpressis canescentibus; caulium internodia 2.5-4.5 cm. longa, ramorum et ramulorum floriferorum 5-15 mm. longa. *Folia* sicco nigricantia; petiolus 0.5-1 mm. longus; laminae anguste obovatae vel oblanceolatae, basi cuneatim angustatae, apice rotundae vel obtusae, 3-10 mm. longae, 2-4, 5 mm. latae, utrinque densiuscule papilloso-scaberulae, caeterum glabratae, crassiusculae, rigidulae, nervis obsolete, costa sola subtus prominente supra vix sensibili. *Flores* in axillis solitarii; pedicellus 1-1.5 mm. longus, pilosiusculus. *Calyx* 4 mm. longus, farinulente pilosulus, tubo campanulato 1 mm. circ. longo, 2.5 mm. lato; sepala 5, linearia, 3 mm. longa, e basi 0.5-0.7 mm. lata sensim angustata, apice acuta. *Corolla* rosea, tubo cylindrico 6 mm. longo 1.5 mm. diam. lato albedo extra minute puberulo; labium superius tubum continuans 5 mm. longum, apice breviter obtuse bilobulatum, extra puberulum; labium inferius obovatum 6 mm. longum, apice 5 mm. latum, profundiuscule 3-lobatum, lobis 1.5-2 mm. longis obtusis, supra sparse pilosum. *Stamina* cum antherarum apicibus labii superioris summitatem aequantia, filamentis 3-5 mm. longis glabris; antheris cum theca inferiore obtuse breviterque caudata. *Ovarium* lanceolatum, 2-2.5 mm. longum, acuminatum, glabrum; stylus filiformis, 7-8 mm. longus, usque ad medium vel infra hirtellus.

SOMALILAND: Buramo-Dumuk tug, long. 43° 12' E., lat. 10° 1' N., 1,260 m., in gneiss gorge with permanent stream, 0.5 m. high, fls. pink and crimson, 29 Jan., No. 4881 (type in Kew Herb.).

J. uncinulata Oliv.—F.T.A. 5: 210.

SOMALILAND: Dobo Pass, long. 43° 15' E., lat. 10° 15' N., 1,200 m., on gneiss hills, prostrate, rooting at the nodes, fls. white spotted with crimson, Feb., No. 4958.

The following numbers of *Justicia* have not been determined:—4038; 4078; 4079; 4116; 4315; 4351; 4673; 4801.

Monechma debile (Forssk.) Nees in DC. Prod. II: 411.

M. bracteatum Hochst.—F.T.A. 5: 214.

SOMALILAND: Buramo, Varieto tug, long. 43° 10' E., lat. 10° 2' N., 1,080 m., in bare damp stony stream bed, fls. pale crimson, Feb., No. 4924. Buramo, long. 43° 10' E., lat. 10° N., 1,470 m., fls. white and crimson, Dec., No. 4720.

Monechma troglodytica Chiov. sp. nov. videtur proxima *M. varianti* C. B. Clarke.

Herba annua, caulibus usque ad 20 et amplius cm. longis, pluribus, caespitosis, inferne induratis, geniculato-adscendentibus, e basi ramosis, obtuse tetragonis, pilis minutissimis reflexis puberulis. *Folia* sessilia, sicco viridi-fuscescentia; lamina oblanceolata, basi longiuscule attenuata, apice rotundata vel leviter contracta, obtusa, 8-20 mm. longa, 2-6 mm. lata, crassula, sicco rigidula, nervis

evanidis, costa subtus vix prominula flavescente, omnes utrinque etiam floriferae caeteris multo minores omnino glabrae. Flores in axillis ramulorum superioribus 5-6 foliorum diminutorum, pulverulento-puberulorum, internodiis inferioribus 10-15 mm. longis, superioribus brevioribus separatis dispositi, racemos laxos formantes; pedicelli brevissimi vel-subnulli. Calyx 4 mm. longus, sepalis linearibus, basi brevissime coalitis, 0.5 mm. latis, apice sensim subulato-attenuatis, brevissime denseque albo-ciliolatis. Corolla rosea; extra minute pilosula; tubus pallidus, 5 mm. longus; labium superius tubum continuans 2 mm. longum, apice emarginulatum; inferius obovatum 5 mm. longum, 4 mm. latum, apice lobis tribus rotundatis incisum. Ovarium lanceolatum, minute pilosum; stylus filiformis 7.5 mm. longus, basi pilosiusculus. Capsula obovata, 4 mm. longa, 3 mm. lata, basi in stipitem 2 mm. longam angustata, apice acuta, minutissime pilosula. Semina glaberrima, 1 pro loculo, lenticularia, 3 mm. diam. lata, 1 mm. spissa, laevia, nitida, flavescencia.

SOMALILAND: Hargeisa, 1,350 m., on sandstone rocks, fls. crimson, 13 Oct.; No. 4255 (type in Kew Herb.).

Hypoestes antennifera S. Moore—F.T.A. 5: 245.

ABYSSINIA: Galla Pass, long. 42° 19' E., lat. 9° 28' N., 2,250 m., 1 m. high, fls. white, Feb., No. 5119.

H. Hildebrandtii Lindau—F.T.A. 5: 249.

SOMALILAND: Hargeisa, 1,290 m., in tree Acacia formation, fls. white with mauve markings, Sept., No. 3906. Vernac.—*Ged Waraba*.—Also in Eritrea.

H. triflora (Forssk.) Roem. & Schultes—F.T.A. 5: 247.

ABYSSINIA: Galla Pass, long. 42° 19' E., lat. 9° 28' N., 2,460 m., on close grazed grass, fls. pink streaked with crimson, Feb., No. 5162.

H. verticillaris (Linn. f.) R. Br.—F.T.A. 5: 250.

ABYSSINIA: Yuka, long. 41° 40' E., lat. 9° 25' N., 2,130 m., Mar., No. 5424.

Ecbolium Anisacanthus (Schweinf.) C.B. Cl.—F.T.A. 5: 238.

SOMALILAND: Hargeisa, 1,290 m., in open places on level ground, fls. blue, Sept., No. 3944. Camp 4, long. 44° 16' E., lat. 10° N., 1,050 m., fls. bright blue, Oct., No. 4362. Between Duwi and Afard, long. 44° 10' E., lat. 10° 8' N., 720 m., Oct., No. 4437.

Ecbolium gymnostachyum (Nees) Milne-Redhead, comb. nov. *Justicia gymnostachya* Nees in DC. Prodr. II: 426 (1847). *E. parvibracteatum* Rendle—F.T.A. 5: 237.

SOMALILAND: Hargeisa, 1,380 m., on sandstone rocks, 2 m. high, fls. dull blue, Oct., No. 4254.—Endemic.

E. viride (Forssk.) Alston Fl. Ceylon 6: Suppl. 229 (1921).

SOMALILAND: Burmado, long. 43° 50' E., lat. 10° 13' N., 600 m., 30 cm., fls. green, Nov., No. 5436. Vernac.—*Alen medu*.

Lepidagathis scariosa Nees—F.T.A. 5: 122.

SOMALILAND: Boundary, long. 44° 10' E., lat. 8° 57' N., 1,290 m., fls. blue, Oct., No. 4119.

Satanocrater somalensis (Lindau) Lindau—F.T.A. 5: 69.

SOMALILAND: Afard, long. $44^{\circ} 8' E.$, lat. $10^{\circ} 10' N.$, 510 m.,
fls. mauve, Oct., No. 4483. Vernac.—*Elas*.—Endemic.

Ruttya fruticosa Lindau—F.T.A. 5: 175.

SOMALILAND: Goton, long. $42^{\circ} 50' E.$, lat. $10^{\circ} 9' N.$, 1,500 m.,
shrub 1.5 m., Nov., No. 4635. Mt. Wobleh, long. $43^{\circ} 17' E.$, lat.
 $10^{\circ} 15' N.$, 1,350 m., shrub 3 m., fls. orange-red with black markings,
Feb., No. 4982. Buramo, long. $43^{\circ} 12' E.$, lat. $10^{\circ} 1' N.$, 1,200 m.,
shrub 2 m., fls. orange, Jan., No. 4883. Vernac.—*Elas*.

SELAGINACEAE.

Hebenstreitia dentata L.—F.T.A. 5: 265.

ABYSSINIA: Mulkajibri, long. $42^{\circ} 16' E.$, lat. $9^{\circ} 24' N.$, 1,770 m.,
fls. white with orange marking, Feb., No. 5090.

VERBENACEAE.

Lantana microphylla Franch. Sert. Somal. 49 (1882).

SOMALILAND: Duwi Pass, long. $44^{\circ} 15' E.$, lat. $10^{\circ} 15' N.$,
1,050 m., fls. white, very aromatic, Oct., No. 4373.—Endemic.

L. Petiiiana A. Rich.—F.T.A. 5: 277.

SOMALILAND: Boundary, No. 4123. Afard, long. $44^{\circ} 8' E.$,
lat. $10^{\circ} 10' N.$, 690 m., 0.3 m., fls. white, aromatic, Oct., No. 4446.
Vernac.—*Geð hamer*.

L. salvifolia Jacq.—F.T.A. 5: 276.

ABYSSINIA: Yuka, long. $41^{\circ} 40' E.$, lat. $9^{\circ} 27' N.$, 1,680 m.,
1.5 m., fls. white, Mar., No. 5458. Kolubi-Harar Road, long.
 $41^{\circ} 50' E.$, lat. $9^{\circ} 25' N.$, 2,100 m., 1 m., fls. pink, leaves aromatic,
Mar., No. 5463. Vernac.—*Kasi*.

Lippia nodiflora (Linn.) A. Rich.—F.T.A. 5: 279.

SOMALILAND: Duwi, long. $44^{\circ} 15' E.$, lat. $10^{\circ} 5' N.$, 870 m.,
fls. lilac, Oct., No. 4394.

ABYSSINIA: Haramaia, long. $42^{\circ} E.$, lat. $9^{\circ} 24' N.$, 1,980 m.,
prostrate, fls. pinkish, Mar., No. 5465.

Chascanum africanum Moldenke in Fedde Repert. 45: 136 (1938).

SOMALILAND: Barataga, long. $44^{\circ} 1' E.$, lat. $10^{\circ} 5' N.$, 1,290 m.,
1 m., fls. cream, Oct., No. 4518. Gorfulai, long. $43^{\circ} 38' E.$, lat.
 $10^{\circ} 16' N.$, 480 m., 1 m., fls. pale yellow, Nov., No. 4550. Debrawen,
long. $43^{\circ} 10' E.$, lat. $10^{\circ} 5' N.$, 1,020 m., Feb., No. 4934. Vernac.—
Ubolölu.

C. sessilifolia (Vatke) Moldenke in Phytologia 1: 18 (1933).
Bouchea sessilifolia Vatke—F.T.A. 5: 283.

SOMALILAND: Hargeisa, long. $44^{\circ} 1' E.$, lat. $9^{\circ} 33' N.$, 1,290 m.,
fls. white, Sept., No. 3992.—Endemic.

Priva adhaerens (Forssk.) Chiov. in Bull. Soc. Bot. Ital. 1923:
115. *P. leptostachya* Juss.—F.T.A. 5: 285.

SOMALILAND: Buramo, long. $43^{\circ} 10' E.$, lat. $10^{\circ} N.$, 1,620 m.,
30 cm., fls. white with crimson marks, Jan., No. 4851. Mt. Wobleh,
long. $43^{\circ} 17' E.$, lat. $10^{\circ} 15' N.$, 1,260 m., fls. white and crimson,
Feb., No. 4991.

Verbena officinalis Linn.—F.T.A. 5 : 286.

SOMALILAND: Buramo, 1,470 m., 1 m., fls. purple, Dec., No. 4721.

Premna resinosa Schauer—F.T.A. 5 : 289.

SOMALILAND: Near Eil Demet, long. 44° 17' E., lat. 9° 53' N., 960 m., shrub 2 m., fls. cream, leaves very aromatic, berries edible, Oct., No. 4313. Vernac.—*Jero*.

P. somaliensis Bak.—F.T.A. 5 : 289.

SOMALILAND: Buramo, long. 43° 10' E., lat. 10° N., 1,500 m., shrub 1 m., fls. white and green, leaves aromatic, Jan., No. 4858.—Endemic.

P. viburnoides A. Rich.—F.T.A. 5 : 292.

SOMALILAND: Jifa Meidir, long. 43° 15' E., lat. 9° 43' N., 1,740 m., shrub 3 m., fls. greenish-cream, Jan., No. 4865.

ABYSSINIA: Harar, long. 42° 6' E., lat. 9° 18' N., 1,950 m., shrub 1 m., leaves aromatic, Feb., No. 5010. Vernac.—*Hadad*.

Clerodendrum myricoides (Hochst.) R. Br. ex Vatke—F.T.A. 5 : 310.

SOMALILAND: Duwi, long. 44° 15' E., lat. 10° 5' N., 1,110-1,200 m., shrub 2 m., fls. blue, Oct., No. 4404.

ABYSSINIA: Fuyan Hunjuba, long. 42° 17' E., lat. 9° 26' N., 1,920 m., shrub 2 m., fls. blue, Feb., No. 5100. Vernac.—*Marari* (Somali); *Muserich* (Abyss.).

Cyclocheilon eriantherum (Vatke) Engl.—F.T.A. 5 : 274.

SOMALILAND: Afard, long. 44° 8' E., lat. 10° 10' N., 690 m., shrub 1 m., fls. pale pink, Oct., No. 4474. Dubar, long. 45° 5' E., lat. 10° 20' N., 300 m., shrublet 0.5 m., bracts pale green, fls. pink, Jan., No. 4772. Vernac.—*Hanja aseyi*; *Dainya*.

C. somalense Oliv.—F.T.A. 5 : 274.

SOMALILAND: Boundary Pillar 93, long. 45° 9' E., lat. 8° 37' N., 990 m., fls. pale pink, Oct., No. 4170. Also in Abyssinia.

LABIATAE.

Micromeria biflora Benth.—F.T.A. 5 : 452.

SOMALILAND: Simodi, long. 43° 30' E., lat. 10° 5' N., 1,740 m., fls. white, Nov., No. 4576.

ABYSSINIA: Harar, long. 42° 6' E., lat. 9° 18' N., 1,890 m., fls. pale pink, Feb., No. 5014. Gara mulata Mt., long. 41° 48' E., lat. 9° 12' N., 3,000 m., fls. pink, Mar., No. 5319. Yuka, long. 41° 40' E., lat. 9° 25' N., 2,400 m., fls. pink, Mar., No. 5406.

Thymus Serpyllum Linn.—F.T.A. 5 : 454.

ABYSSINIA: Gara mulata Mt., 3,000 m., prostrate, fls. pink, Mar., No. 5318.

Stachys aculeolata Hook. f.—F.T.A. 5 : 466.

ABYSSINIA: Gara mulata Mt., long. 41° 48' E., lat. 9° 12' N., 2,580 m., fls. pink with crimson markings, Dec., No. 5353.

Stachys glandulosa Hutch. et E. A. Bruce, sp. nov., *S. aegyptiacae* Fres. remote affinis, sed fere glabra, foliis dimidio superiore denticulatis differt.

Suffrutex ad 20 cm. altus, valde aromaticus et ramosus; ramuli lignosi, basi 2-3 mm. diametro, glabrescentes, hornotini stellato-tomentelli, internodiis 1.5-2.5 cm. longis. *Folia* breviter petiolata, petiolo circiter 2 mm. longo stellato-tomentello; lamina anguste oblongo-lanceolata, basi cuneata, apice acuta, 1.5-3 cm. longa, 3-6 mm. lata, parte superiore denticulata, supra indistincte, infra dense glandulosa et nervis stellato-tomentellis; nervi laterales utrinsecus circiter 3, supra impressi, infra prominentes. *Verticilli* 2-6-flori, subsessiles; bractae ovato-lanceolatae, 5-9 mm. longae, circiter 2.5 mm. latae, infra stellato-tomentellae, supra glabrae. *Calyx* anguste campanulatus, 10-nervius, 5-dentatus, extra glandulosus et stellato-tomentellus, dentibus deltoideis acutis 1.5 mm. longis, tubo 4 mm. longo fauce 3 mm. diametro. *Corolla* rosea, labio inferiore carmineo-maculata, extra stellato-tomentella, tubo cylindrico circiter 6 mm. longo calyci subaequali, labio superiore obovato 2.5 mm. longo, labio inferiore 3-fido 5 mm. longo lobo medio maximo semiorbiculari 2 mm. longo obtuso. *Stamina* inclusa. *Stylus* breviter 2-fidus. *Nuculae* ovoideae.

SOMALILAND: Jifa meidir, long. 43° 15' E., lat. 9° 43' N., 1,740 m., on granite kopje in evergreen scrub, 24 Jan. No. 4866 (type in Kew Herb.).

S. Hildebrandtii Vatke—F.T.A. 5: 468.

SOMALILAND: Wabwanak Park, Libah Hele Mts., long. 43° E., lat. 10° 20' N., 1,770 m., 1 m., Dec., No. 4,710.

Nepeta azurea R. Br.—F.T.A. 5: 460.

ABYSSINIA: Galla Pass, 2,250 m., 1 m., aromatic, fls. dark blue, Feb., No. 5120.

N. Petitiiana Bak.—F.T.A. 5: 460.

ABYSSINIA: Gara mulata Mt., 2,790 m., 2 m., fls. blue, Mar., No. 5328.—Endemic.

Leucas Jamesii Bak.—F.T.A. 5: 478.

SOMALILAND: Hargeisa, long. 44° 1' E., lat. 9° 33' N., 1,290 m., 0.5 m., fls. white, Sept., No. 3928. Jalelo, long. 44° 14' E., lat. 9° 45' N., 1,080 m., 1 m., fls. white, Oct., No. 4293. Gorfulai, long. 43° 38' E., lat. 10° 16' N., 480 m., fls. white, Nov., No. 4554.—Endemic.

L. thymoides Bak.—F.T.A. 5: 482.

SOMALILAND: Boundary, long. 44° 10' E., lat. 8° 57' N., 1,290 m., fls. white, Nov., No. 4113. Simodi, long. 43° 30' E., lat. 10° 5' N., 1,200-1,740 m., fls. white, Nov., No. 4563. Buramo, long. 43° 10' E., lat. 10° N., 1,500 m., fls. white, Jan., No. 4860.—Endemic.

L. urticifolia R. Br.—F.T.A. 5: 489.

SOMALILAND: Hargeisa, No. 3905. Buramo, Varieto tug, long. 43° 10' E., lat. 10° 2' N., 1,080 m., fls. white, Feb., No. 4922.

Lasiocorys argyrophylla Vatke—F.T.A. 5: 471.

SOMALILAND: Boundary, long. 44° 15' E., lat. 8° 58' N., 1,260 m.,
fls. and leaves white, Sept., No. 4103. Debrawein, long. 43° 15'
E., lat. 10° 3' N., 1,140 m., 2 m., woody with slender branches, fls.
white, Nov., No. 4600. Vernac.—*Bukoro ari*.—Endemic.

Ballota fruticosa Bak.—F.T.A. 5: 472.

SOMALILAND: Libah Hele Mt., long. 43° E., lat. 10° 20' N.,
1,560–1,790 m., shrub 3 m., fls. white, 3 Dec., No. 4694.—Endemic.

Leonotis velutina Fenzl var. *rugosa* Bak.—F.T.A. 5: 492.

ABYSSINIA: Galla Pass, long. 42° 19' E., lat. 9° 28' N., 2,520 m.,
2 m., fls. orange, Feb., No. 5157.

Calamintha simensis Benth.—F.T.A. 5: 455.

ABYSSINIA: Gara mulata Mt., 2,880 m., fls. pinkish, Mar.,
No. 5360; 5361.

Ocimum americanum Linn. Cent. Pl. 1: 15 (1755). *O. canum*
Sims—F.T.A. 5: 337.

SOMALILAND: Debrawen, long. 43° 10' E., lat. 10° 5' N., 990 m.,
aromatic, fls. cream, Feb., No. 4931.

O. hadiense Forssk. Fl. Aegypt-Arab. 109 (1775). *O. menthae-*
folium Hochst.—F.T.A. 5: 340.

SOMALILAND: Hargeisa, long. 44° 1' E., lat. 9° 33' N., 1,290 m.,
shrublet, 0.5 m., very aromatic, fls. white, Sept., No. 3909.
Deriodera, long. 42° 55' E., lat. 10° 3' N., 1,170 m., aromatic, fls.
white, lilac-tinged, Nov., No. 4641. Vernac.—*Hibag*; *Hrida*.

O. staminosum Bak.—F.T.A. 5: 347.

SOMALILAND: Debrawen, long. 43° 10' E., lat. 10° 5' N., 990 m.,
very aromatic, fls. white, lilac-tinged, Feb., No. 4940.—Endemic.

O. suave Willd.—F.T.A. 5: 338.

SOMALILAND: Hargeisa, long. 44° 1' E., lat. 9° 33' N., 1,890 m.,
0.5 m., fls. white, Sept., No. 3927. Buramo, Dumuk tug, long.
43° 12' E., lat. 10° N., 1,170 m., 1 m., fls. cream, Jan., No. 4890.

O. tomentosum Oliv.—F.T.A. 5: 341.

SOMALILAND: Hargeisa, 1,290 m., 25 cm., fls. greenish cream,
Sept., No. 4037.—Endemic.

Becium obovatum (Vatke) N.E. Br. var. *hians* N.E. Br.

ABYSSINIA: Harar, long. 42° 6' E., lat. 9° 18' N., 1,950 m.,
fls. white and crimson, Feb., No. 5009.

B. knyanum (Vatke) N.E. Br. ex Broun & Massey Fl. Pl. Sudan
357 (1929).

SOMALILAND: Boundary, long. 43° 54' E., lat. 9° 2' N., 1,350 m.,
herb 30 cm., fls. white, Oct., No. 4229.

Orthosiphon pallidus Royle—F.T.A. 5: 369.

SOMALILAND: Buramo, Dumuk tug, long. 43° 10' E., lat. 10° N.,
1,260 m., fls. white, Jan., No. 4878.

O. somalensis Vatke—F.T.A. 5: 372.

ABYSSINIA: Yuka, long. 41° 40' E., lat. 9° 27' N., 1,650 m.,
fls. pink, Mar., No. 5457.—Also in Somaliland.

Endostemon tenuiflorus (Benth.) Ashby in Journ. Bot. 1936 : 125.
O. tenuiflorus Benth.—F.T.A. 5 : 366.

SOMALILAND : Ali Wein Mt., long. 45° 15' E., lat. 10° 24' N., 510 m., fls. white, lilac tinged, aromatic, Jan., No. 4819. Hargeisa, long. 44° 1' E., lat. 9° 33' N., 1,380 m., fls. white, mauve tinged, Oct., No. 4275. Vernac.—*Ged Laben*.—Also in Socotra and Arabia.

Coleus albidus Vatke in Linnaea 37 : 321 (1871-73).

SOMALILAND : Mt. Wobleh, long. 43° 17' E., lat. 10° 15' N., 1,620 m., fls. blue, Feb., No. 4988.—Also in Abyssinia.

C. barbatus Benth.—F.T.A. 5 : 429.

SOMALILAND : Simodi, long. 43° 30' E., lat. 10° 5' N., 1,350-1,740 m., bushy herb 0.5 m., fls. blue, Nov., No. 4573. Vernac.—*Miera had*.

Coleus cicatricosus Hutch. et E. A. Bruce, sp. nov. aspectu *C. Dazo* A. Chev., sed foliis cordatis crasse dentatis, inflorescentiis longe pilosis valde distincta.

Herba aromatica, viscida, usque ad 1 m. alta ; caulis crassus, glanduloso-tomentosus et longe pilosus, cicatricibus petiolorum disciformibus 4-5 mm. diametro notatus. *Folia* ovato-rotundata, basi profunde cordata, apice subacuta, 4-6 cm. diametro, crasse dentata, dentibus obtusis, utrinque molliter et patule pubescentia ; petioli 2-3 cm. longi, pubescentes. *Inflorescentia* paniculata, oblonga, usque ad 30 cm. longa, axi crasso longe piloso, ramis lateralibus racemiformibus 4-5 cm. longis basi cicatricibus petiolorum notatis ; pedicelli patentes, 1-3 fasciculati, fere 1 cm. longi, breviter glanduloso-pubescentes. *Calyx* 8 mm. longus, glanduloso-puberulus, lobis inferioribus subulato-lanceolatis 3.5 mm. longis, lateralibus oblique ovatis acuminatis 2.5 mm. longis, lobo superiore late elliptico 4 mm. longo obtuso. *Corolla* atro-caerulea ; tubus medio geniculatus, vix 1 cm. longus ; labium adaxiale 4 mm. longum, leviter 3-lobatum, abaxiale cymbaeforme circiter 8 mm. longum. *Stamina* leviter exserta, filamentis inferne connatis. *Nuculae* lenticulares, brunneae, 1.25 mm. diametro.

SOMALILAND : Buramo, Dumuk tug, long. 43° 12' E., lat. 10° 1' N., 1,260 m., 1 m., plant aromatic, viscid, fls. dark blue, 29 Jan., No. 4880 (type in Kew Herb.). Vernac.—*Dalol*.

C. edulis Vatke—F.T.A. 5 : 425.

ABYSSINIA : Harar, long. 42° 19' E., lat. 9° 28' N., 2,280 m., fls. blue, Feb., No. 5203.

C. igniarius Schweinf.—F.T.A. 5 : 435.

SOMALILAND : Elmis, long. 44° 14' E., lat. 10° 22' N., 600 m., shrub 1 m., fls. rich blue, Oct., No. 4505. Auboba, long. 43° E., lat. 10° 1' N., 1,650 m., 0.5 m., very aromatic, Nov., No. 4631. Vernac.—*Dalol*.

C. lanuginosus Hochst.—F.T.A. 5 : 429.

SOMALILAND : Birda Mt., long. 43° E., lat. 10° 20' N., 1,620 m., fls. purplish blue, Nov., No. 4676.

ABYSSINIA : Gara mulata Mt., long. 41° 48' E., lat. 9° 12' N., 2,700 m., fls. purple, Mar., No. 5304 ; 5348.

- C. spicatus* Benth. in DC. Prodr. 12: 71 (1848).
 SOMALILAND: Simodi, 1,740 m., 0.3 m., fls. purple, stems reddish, Nov., No. 4575. Vernac.—Mtera.
- Capitanya otostegioides* Guerke—F.T.A. 5: 446.
 SOMALILAND: Hargeisa, long. 44° E., lat. 9° 34' N., 1,290 m., succulent, fls. purple, Sept., No. 3995.
- Salvia Hochstetteri* Bak.—F.T.A. 5: 459.
 ABYSSINIA: Galla Pass, long. 42° 19' E., lat. 9° 28' N., 2,280 m., fls. blue, Feb., No. 5118.
- S. nudicaulis* Vahl var. *nubia* Bak.—F.T.A. 5: 458.
 ABYSSINIA: Gara mulata Mt., 2,820 m., fls. pale blue, Mar., No. 5329.
- Otostegia integrifolia* Benth.—F.T.A. 5: 494.
 ABYSSINIA: Kofajalo, long. 41° 51' E., lat. 9° 9' N., 2,250 m., 3 m., fls. white and yellow, Mar., No. 5277.—Also in Eritrea.
- O. repanda* Benth.—F.T.A. 5: 495.
 ABYSSINIA: Mulkajibri, long. 42° 16' E., lat. 9° 24' N., 1,650 m., 2 m., fls. white, aromatic, Feb., No. 5085. Gara mulata Mt., long. 41° 48' E., lat. 9° 12' N., 2,640 m., 2 m., fls. white, Mar., No. 5341.
- Ajuga remota* Benth. in Wall. Pl. Asiat. Rar. 1: 59 (1830).
 ABYSSINIA: Galla Pass, long. 42° 19' E., lat. 9° 28' N., 2,250 m., fls. blue, Feb., No. 5117.

Monocotyledones.

POTAMOGETONACEAE.

- Potamogeton nodosus* Poir. Encycl. Suppl. 4: 535 (1816).
 ABYSSINIA: Haramaia, long. 42° E., lat. 9° 24' N., 1,980 m., fls. dull yellow, Mar., No. 5471.
- P. pectinatus* L.—F.T.A. 8: 223.
 ABYSSINIA: Haramaia, 1,980 m., fls. reddish, Mar., No. 5467.

COMMELINACEAE.

- Commelina albescens* Hassk.—F.T.A. 8: 57.
 SOMALILAND: Hargeisa, long. 44° 1' E., lat. 9° 33' N., 1,290 m., fls. pale blue, Sept., No. 3982. Boundary Pillar 93, long. 45° 9' E., lat. 8° 37' N., 990 m., fls. pale blue, Oct., No. 4189. Jebel Dubur, long. 44° 16' E., lat. 10° N., 1,050 m., fls. small white, Oct., No. 4359. Duwi, long. 44° 15' E., lat. 10° 5' N., 1,110–1,200 m., fls. purplish blue, Oct., No. 4400. Vernac.—Bar.
- C. benghalensis* Linn.—F.T.A. 8: 41.
 SOMALILAND: Duwi, 1,140 m., fls. sky blue, Oct., No. 4402. Vernac.—Bar.
- C. Forskalaei* Vahl—F.T.A. 8: 44.
 SOMALILAND: Hargeisa, long. 44° 1' E., lat. 9° 33' N., 1,290 m., prostrate; fls. bright blue, Sept., No. 4046.
- ABYSSINIA: Harar, long. 42° 10' E., lat. 9° 20' N., 1,650 m., fls. blue, Feb., No. 5054. Vernac.—Bar (Somali). *Gorla gabis* (Abyss.).

C. Kotschyi Hassk.—F.T.A. 8 : 49.

ABYSSINIA : Harar, long. $42^{\circ} 10' E.$, lat. $9^{\circ} 20' N.$, 1,650 m.,
fls. blue, Feb., No. 5053. Vernac.—*Gorla gabis*.

Cyanotis somaliensis C.B. Cl.—F.T.A. 8 : 83.

SOMALILAND : Buramo, long. $43^{\circ} 10' E.$, lat. $10^{\circ} N.$, 1,740 m.,
fls. purplish blue, Jan., No. 4847. Vernac.—*Bar*.

LILIACEAE.

Anthericum inconspicuum Bak.—F.T.A. 7 : 480.

SOMALILAND : Debrawen, long. $43^{\circ} 10' E.$, lat. $10^{\circ} 5' N.$, 1,020 m.,
fls. yellowish green, Feb., No. 4936.—Endemic.

Chlorophytum tordense Chiov. Result. Sc. Miss. Stefan.-Paoli
Somal. Ital. 1 : 173 (1916).

SOMALILAND : Sigib Mt., long. $43^{\circ} 11' E.$, lat. $10^{\circ} 19' N.$, 1,470 m.,
leaves succulent, fls. white, purple tinged with brown stripe, Feb.,
No. 4996.—Endemic.

Aloe abyssinica Lam.—F.T.A. 7 : 467.

SOMALILAND : Hargeisa, long. $44^{\circ} 1' E.$, lat. $9^{\circ} 33' N.$, 1,320 m.,
up to 2 m., growing in clumps, fls. yellow, red or orange, Sept.,
No. 3902. Vernac.—*Da-ar. Gabar*.

A. aethiopica Berger in Engl. Bot. Jahrb. 36 : 60 (1905).

ABYSSINIA : Yuka, long. $41^{\circ} 40' E.$, lat. $9^{\circ} 25' N.$, 1,950 m.,
leaves mottled, fls. red, Mar., No. 5418.—Endemic.

A. Rivae Bak.—F.T.A. 7 : 465.

SOMALILAND : long. $43^{\circ} 16' E.$, lat. $10^{\circ} 5' N.$, 1,040–1,140 m.,
slender stem up to 3 m., leaves bluish, margins white, fls. yellow
sometimes pink, Nov., No. 4597. Vernac.—*Daar Burug*.—Endemic.

A. somaliensis C. H. Wright in Gard. Chron. 1899 : 430.

SOMALILAND : Hargeisa, long. $44^{\circ} 1' E.$, lat. $9^{\circ} 35' N.$, 1,290 m.,
fls. pink, leaves mottled, Sept., No. 3996. Boundary, long. 44°
 $15' E.$, lat. $9^{\circ} N.$, 1,230 m., infl. 1.5 m., fls. pinkish, leaves mottled,
Sept., No. 4074. Vernac.—*Daar Biyu*.—Endemic.

A. Steudneri Schweinf.—F.T.A. 7 : 458.

SOMALILAND : Satoa tug, long. $43^{\circ} 5' E.$, lat. $9^{\circ} 59' N.$, 1,530 m.,
leaves mottled, Nov., No. 4618.

ABYSSINIA : Harar-Kofajalo Road, long. $41^{\circ} 55' E.$, lat. $9^{\circ} 9' N.$,
1,860 m., acaulescent, fls. coral or yellow, Mar., No. 5272. Vernac.—
Daar (Somali) ; Red (Abyss.).

A. trichosantha Berger in Engl. Bot. Jahrb. 36 : 62 (1905).

SOMALILAND : Hargeisa, long. $44^{\circ} 3' E.$, lat. $9^{\circ} 33' N.$, 1,260 m.,
fls. pink, leaves erect, Sept., No. 4063.

ABYSSINIA : Boesesa valley, long. $42^{\circ} 18' E.$, lat. $9^{\circ} 29' N.$,
2,400 m., leaves green turning reddish, fls. pink, Feb., No. 5177.
Gara mulata Mt., long. $41^{\circ} 48' E.$, lat. $9^{\circ} 12' N.$, 2,730 m., fls. coral,
unpleasant odour, Mar., No. 5335. Vernac.—*Daar Merodi (Somali) ;*
Eret. Red (Abyss.).—Also in Eritrea.

Albuca abyssinica Dryand.—F.T.A. 7 : 533.

ABYSSINIA : Gara mulata Mt., long. $41^{\circ} 43'$ E., lat. $9^{\circ} 12'$ N., 2,730 m., fls. yellow with green stripe, Mar., No. 5305. Gara mulata Mt., 3,180 m., Mar., No. 5367.

SOMALILAND : Buramo, long. $43^{\circ} 10'$ E., lat. 10° N., 1,440 m., leaves sometimes crisped at margins, fls. yellowish green with green stripe, Dec., No. 4724. Vernac.—*Ure tuku* ; *Gel adais*.

A. chaetopoda Chiov. Pl. Nov. vel minus Notae ex Aethiopia 3, n. 204, (1928).

SOMALILAND : Hargeisa, No. 4072. Hargeisa, long. $44^{\circ} 1'$ E., lat. $9^{\circ} 33'$ N., 1,290 m., fls. yellow, Sept., No. 4048. Vernac.—*Gel ahdeis*.—Endemic.

Scilla somaliensis Bak.—F.T.A. 7 : 557.

SOMALILAND : Boundary Pillar 93, long. $45^{\circ} 9'$ E., lat. $8^{\circ} 37'$ N., 990 m., fls. green and cream, Oct., No. 4188. Afard, long. $44^{\circ} 8'$ E., lat. $10^{\circ} 10'$ N., 690 m., fls. pale purple, Oct., No. 4470. Buramo, 1,380 m., leaves and scape mottled with purple, Jan., No. 4853. Vernac.—*Gel adais* ; *Gelka abādis*.—Endemic.

Scilla carunculifera Chiov. Result. Sci. Miss. Stefan.-Paoli Somal. Ital. 1 : 174 (1916).

SOMALILAND : Berbera, fls. green with purplish stripe, Jan., No. 4753. Vernac.—*Gel adais*.—Endemic.

Dipcadi filamentosum Medic. in Usteri Ann. Bot. 2 : 13 (1791).

SOMALILAND : Buramo, Dumuk tug, long. $43^{\circ} 12'$ E., lat. $10^{\circ} 1'$ N., 1,140 m., fls. pale green, Jan., No. 4894.

Littonia obscura Bak. in Kew Bull. 1894 : 342.

SOMALILAND : Berbera, fls. in bud greenish yellow, reddish when opened, Jan., No. 4758. Vernac.—*Mijereri*.—Also in Arabia.

L. Hardeggeri Beck—F.T.A. 7 : 566.

SOMALILAND : Berbera, Jan., No. 4758A.—Endemic.

Asparagus asiaticus Linn.—F.T.A. 7 : 432.

ABYSSINIA : Slopes of Sarerta Mt., long. $42^{\circ} 19'$ E., lat. $9^{\circ} 30'$ N., 2,400 m., fls. white, Feb., No. 5184. Vernac.—*Sariti*.

A. falcatus Linn.—F.T.A. 7 : 435.

SOMALILAND : Hargeisa, long. 44° E., lat. $9^{\circ} 35'$ N., 1,380 m., Oct., No. 4264.

Asparagus Gillettii Chiov. sp. nov. (§*Asparagopsis*) affinis *A. albos*. L. qui caules et ramos juveniles sulcatos et angulatos, intensius albos, pedicellorum partes basales 1.5–3 mm. longas habet.

Frutex erectus vel scandens ; caules elati, internodiis 2–3 cm. longis superne 4–5 mm. diam. crassis cylindraceutis, ad nodos leviter anfractis ; rami solitarii vel 3–4-fasciculati, simplices, subhorizontaliter patentes, 15–40 cm. longi, leviter flexuosi, internodiis cylindricis estriatis cinereis prope apicem albicantibus nitidulis 4–15 mm. longis prope basin ramorum 1.5–2 mm. crassis : spinae ad nodos primum subulatae, postremo conico-subulatae 10–12 mm. longae, basi 2 mm. diam. crassae, seniores plus minusve ad vel parum supra basin arcuato-reflexae, superne rectae. *Cladodia* in specimine desunt ; in axillis superioribus spinarum inflorescentiae

umbellatae subsessiles, basi foliis bracteiformibus ovatis scariosis involucretae, floribus 5-24, adsunt; pedicelli 5-6 mm. longi, 0.75-1.25 mm. supra basin articulati. Flores monoclini; perigonium campanulatum, tepalis exterioribus anguste ellipticis 4-5 mm. longis 1 mm. latis apice rotundatis, interioribus spatulatis apice rotundatis basin versus sensim angustatis aequilongis. Stamina 6, filamentis subulatis tenuissimis 3.5-4 mm. longis glabris sursum sensim attenuatis apice capillaceis; antherae nigrae, ovatae, 0.5 mm. longae et latae, apice rotundato-obtusae, basi truncato-bilobae. Ovarium ovoideum, 2.5 mm. longum, 2 mm. latum, apice breviter conicum, in stilum vix 0.5 mm. longum manifeste trilobulatum productum, loculis triovulatis. Bacca subglobosa, immatura circ. 5 mm. diam.

SOMALILAND: Elmis, long. 44° 14' E., lat. 10° 22' N., 510 m., shrub 1 m. with weak trailing branches, 29 Oct., No. 4501 (type in Kew Herb). Vernac.—*Ergég*.

A. Pauli-Guilelmi Solms-Laub.—F.T.A. 7: 428.

ABYSSINIA: Kolubi-Harar Road, long. 41° 50' E., lat. 9° 25' N., 2,190 m., fls. white, Mar., No. 5464. Vernac.—*Seriti*.

A. racemosus Willd.—F.T.A. 7: 434.

SOMALILAND: Buramo, long. 43° 10' E., lat. 10° N., 1,710 m., climber, fls. pale yellow, Jan., No. 4846. Vernac.—*Ergég*.

Merendera abyssinica A. Rich.—F.T.A. 7: 558.

ABYSSINIA: Slopes of Sartera Mt., long. 42° 19' E., lat. 9° 30' N., 2,400 m., fls. mauve, Feb., No. 5192.—Also in Arabia.

ARACEAE.

Arisaema Schimperianum Schott—F.T.A. 8: 143.

ABYSSINIA: Gara mulata Mt., long. 41° 48' E., lat. 9° 12' N., 2,580 m., damp places on limestone, in ravine, fls. green, Mar., No. 5293.—Endemic.

TYPHACEAE.

Typha angustifolia Linn.—F.T.A. 8: 135.

SOMALILAND: Debrawen, long. 42° 49' E., lat. 10° 26' N., 920 m., 2 m., Nov., No. 4646. Near Eil Demet, long. 44° 17' E., lat. 9° 53' N., 930 m., 4 m., Oct., No. 4328. Bir Dai, long. 44° 17' E., lat. 9° 55' N., 900 m., Oct., No. 4341. Vernac.—*Allala nudi*; *Alal medu*; *Alala*.

AMARYLLIDACEAE.

Crinum ornatum (Linn. f.) Burg Hexand. t. 18 (1831-4).

SOMALILAND: Afard, long. 44° 12' E., lat. 10° 8' N., 690 m., fls. white with faint pink stripe, Oct., No. 4441. Vernac.—*Ure tuku*.

Haemanthus multiflorus Martyn—F.T.A. 7: 388.

SOMALILAND: Duwi, long. 44° 15' E., lat. 10° 5' N., 1,110-1,200 m., fls. red, anthers yellow; Oct., No. 4399. Vernac.—*Ged adais*; *Ria Dararis*.

HYPOXIDACEAE.

Hypoxis sp.

ABYSSINIA: Kondudo Mt., long. $42^{\circ} 20'$ E., lat. $9^{\circ} 27'$ N., 2,760 m., fls. yellow, Feb., No. 5221.

IRIDACEAE.

Moraea diversifolia Bak.—F.T.A. 7: 339.

ABYSSINIA: Gara mulata Mt., long. $41^{\circ} 48'$ E., lat. $9^{\circ} 12'$ N., 2,790 m., fls. mauve with yellow stripe, Mar., No. 5332.

AGAVACEAE.

Dracaena afromontana Mildbr. Wiss. Ergebn. Deutsch. Zent.—Afr. Exped. 2: 62, t. v, a-e (1910). *Dracaena reflexa* Lam. var. *nitens* Bak.—F.T.A. 7: 441, partly (as to E. African specimens).

ABYSSINIA: Galla Pass, long. $42^{\circ} 19'$ E., lat. $9^{\circ} 28'$ E., 2,400 m., 4 m., fls. cream, fruit orange, Feb., No. 5146.

D. schizantha Bak.—F.T.A. 7: 437.

SOMALILAND: Duwi, long. $44^{\circ} 15'$ E., lat. $10^{\circ} 5'$ N., 1,200 m., tree 3 m., Oct., No. 4415. Berdale Mt., long. 43° E., lat. $10^{\circ} 20'$ N., 1,650 m., tree 5 m., Dec., No. 4685. Vernac.—*Morli*.

Sansevieria abyssinica N.E. Br. in Kew Bull. 1913: 306, et l.c. 1915: 241.

SOMALILAND: Hargeisa, 1,290 m., leaves flat, fls. grey, Sept., No. 4041. Vernac.—*Hig*.

S. Ehrenbergii Schweinf. ex Bak.—F.T.A. 7: 334. N.E. Br. in Kew Bull. 1915: 207.

SOMALILAND: Buramo, long. $43^{\circ} 12'$ E., lat. $10^{\circ} 1'$ N., 1,200 m., 1 m., fls. purplish green, berries orange, Jan., No. 4885. Vernac.—*Hig*.

S. Phillipsiae N.E. Br. in Hook. Ic. Pl. 30: t. 3000 (1913), et Kew Bull. 1915: 203.

SOMALILAND: Hargeisa, long. $44^{\circ} 1'$ E., lat. $9^{\circ} 34'$ N., fls. greenish, leaves terete, mottled, Sept., No. 3997. Vernac.—*Hig*.—Endemic.

VELLOZIACEAE.

Vellozia Schnitzleinia Bak.—F.T.A. 7: 409.

SOMALILAND: Dubriat Mt., long. $45^{\circ} 10'$ E., lat. $10^{\circ} 22'$ N., 300 m., fls. greenish-yellow, 3 Jan., No. 4790.—Also in Abyssinia.

ORCHIDACEAE (by V. S. Summerhayes)

Eulophia Petersii (Rchb. f.) Rchb. f.—F.T.A. 7: 55.

SOMALILAND: Ridge S.E. of Auboba, long. $43^{\circ} 4'$ E., lat. $9^{\circ} 59'$ N., 1,590 m., to 1.5 m., leaves succulent, Nov., No. 4613. Vernac.—*Degwen*.

E. Rueppelii (Rchb. f.) Summerh. comb. nov.

Lissochilus Rueppelii Rchb. f.—F.T.A. 7: 91.

ABYSSINIA: Harar, long. 42° 6' E., lat. 9° 18' N., 1,920 m., sepals green tinged with purple, corolla and column yellow, Feb., No. 5030. Vernac.—*Jibi shunku*.

Polystachya Bennettiana Reichb. f.—F.T.A. 7: 116.

ABYSSINIA: Yuka, long. 41° 40' E., lat. 9° 25' N., 2,430 m., epiphyte, fls. white with yellow spot on lower side of upper petal, fragrant, Mar., No. 5429.—Also in Eritrea.

Bonatea Phillipsii Rolfe—F.T.A. 7: 254.

SOMALILAND: Buramo, So Mt., long. 43° 10' E., lat. 10° N., 1,770 m., fls. yellowish green and white, strongly scented, Jan., No. 4848.—Endemic.

JUNCACEAE.

Juncus Bachiti Hochst.—F.T.A. 8: 94.

ABYSSINIA: Gorla-Kolubi track, long. 41° 45' E., lat. 9° 22' N., 2,610 m., fls. dark brown, Mar., No. 5397.

CYPERACEAE.

Scirpus corymbosus Roth—F.T.A. 8: 455.

ABYSSINIA: Haramaia, long. 42° E., lat. 9° 24' N., 1,980 m., infl. whitish, Mar., No. 5470. Vernac.—*Katema*.

S. costatus Boeck.—F.T.A. 8: 451.

ABYSSINIA: Geldid, long. 41° 48' E., lat. 9° 15' N., 2,430 m., infl. black, Mar., No. 5383.

S. setaceus Linn.—F.T.A. 8: 450.

ABYSSINIA: Gorla-Kolubi track, long. 41° 45' E., lat. 9° 22' N., 2,610 m., small, infl. whitish, Mar., No. 5402.

Eleocharis caribaea (Rottb.) Blake ex Forest Brown Occas. Papers Bishop Mus. Honolulu 9, 4: 9 (1930). *E. capitata* R. Br.—F.T.A. 8: 407.

SOMALILAND: Bir Dai, long. 44° 17' E., lat. 9° 55' N., 900 m., infl. white, Oct., No. 4339.

Fuirena pubescens (Lam.) Kunth—F.T.A. 8: 463.

ABYSSINIA: Gorla-Kolubi track, long. 41° 45' E., lat. 9° 22' N., 2,610 m., infl. green, Mar., No. 5399.

Fimbristylis ferruginea Vahl—F.T.A. 8: 417.

SOMALILAND: Bir Dai, long. 44° 17' E., lat. 9° 55' N., 900 m., infl. brownish, Oct., No. 4338. Vernac.—*Ghundo*.

Cyperus bulbosus Vahl—F.T.A. 8: 352.

SOMALILAND: Buramo-Warieto tug, long. 43° 10' E., lat. 10° 2' N., 1,290 m., Jan., No. 4897.

C. compactus Lam.—F.T.A. 8: 319.

SOMALILAND: Buramo, Dumuk tug, long. 43° 12' E., lat. 10° 1' N., 1,140 m., infl. white, Jan., No. 4891.

C. conglomeratus Rottb.—F.T.A. 8: 324.

SOMALILAND: Afard, long. 44° 8' E., lat. 10° 10' N., 510 m., Oct., No. 4434. Berbera, Jan., No. 4738. Vernac.—*Atile*. Darif.

- C. cruentus* Rottb.—F.T.A. 8 : 325.
ADEN : 150 m., infl. reddish straw colour, Mar., No. 5512.
- C. dichrostachys* Hochst.—F.T.A. 8 : 331.
ABYSSINIA : Yuka, long. $41^{\circ} 40' E.$, lat. $9^{\circ} 25' N.$, infl. green, Mar., No. 5419.
- C. esculentus* Linn.—F.T.A. 8 : 355.
SOMALILAND : Near Eil Demet, long. $44^{\circ} 17' E.$, lat. $9^{\circ} 53' N.$, 930 m., Oct., No. 4331. Gorfulai, long. $43^{\circ} 38' E.$, lat. $10^{\circ} 16' N.$, 540 m., Nov., No. 4558. Vernac.—*Go-ondo*.
- C. rigidifolius* Steud.—F.T.A. 8 : 367.
ABYSSINIA : Yuka, 2,190 m., infl. blackish, Mar., No. 5426.
- C. teneriffae* Poir.—F.T.A. 8 : 317.
SOMALILAND : Hargeisa, long. $44^{\circ} 1' E.$; lat. $9^{\circ} 33' N.$, 1,350 m., infl. brown, Sept., No. 4053. Vernac.—*Go-ouro*.
- Mariscus coloratus* Nees—F.T.A. 8 : 381.
ABYSSINIA : Yuka, long. $41^{\circ} 40' E.$, lat. $9^{\circ} 25' N.$, 2,160 m., infl. green and white, Mar., No. 5409.
- Juncellus laevigatus* C.B. Cl.—F.T.A. 8 : 308.
SOMALILAND : Near Eil Demet, long. $44^{\circ} 17' E.$, lat. $9^{\circ} 53' N.$, 930 m., Oct., No. 4304. Bir Dai, long. $44^{\circ} 17' E.$, lat. $9^{\circ} 55' N.$, 900 m., infl. white, Oct., No. 4340. Buramo, Dumuk tug, long. $43^{\circ} 12' E.$, lat. $10^{\circ} 1' N.$, 1,200 m., 1 m., Jan., No. 4884. Vernac.—*Da. Tugugoga*.
- Pycreus aethiops* C.B. Cl.—F.T.A. 8 : 297.
ABYSSINIA : Geldid, long. $41^{\circ} 48' E.$, lat. $9^{\circ} 15' N.$, 2,430 m., infl. dark brown, Mar., No. 5384.
- P. Mundtii* Nees—F.T.A. 8 : 294.
ABYSSINIA : Mulkajibri, long. $42^{\circ} 16' E.$, lat. $9^{\circ} 24' N.$, 1,620 m., infl. brownish, Feb., No. 5077.
- Carex chlorosaccus* C.B. Cl.—F.T.A. 8 : 519.
ABYSSINIA : Yuka, long. $41^{\circ} 40' E.$, lat. $9^{\circ} 25' N.$, 2,130 m., infl. green, Mar., No. 5415.
- C. Petitiana* A. Rich.—F.T.A. 8 : 522.
ABYSSINIA : Gara mulata Mt., long. $41^{\circ} 48' E.$, lat. $9^{\circ} 12' N.$, 2,820 m., infl. pale brown, Mar., No. 5310.
- C. acutiformis* Ehrh. Beitr. 4 : 43 (1789).
ABYSSINIA : Geldid, long. $41^{\circ} 48' E.$, lat. $9^{\circ} 15' N.$, 2,430 m., Mar., No. 5380.
- C. Negrii* Chiov. in Ann. Bot. Rom. 10 : 406 (1912).
ABYSSINIA : Yuka, 2,100 m., infl. greenish, Mar., No. 5421.—
Endemic.

GRAMINEAE (by C. E. Hubbard).

- Setima nervosum* (Rottl. ap. Willd.) Stapf—F.T.A. 9 : 36.
SOMALILAND : Buramo, long. $43^{\circ} 10' E.$, lat. $10^{\circ} N.$, c. 1,500 m., Jan., No. 4855. Ohob Pass, long. $43^{\circ} 13' E.$, lat. $10^{\circ} 11' N.$, 1,200 m., Feb., No. 4945.
- Lasiurus hirsutus* (Forssk.) Boiss. forma—F.T.A. 9 : 60.
SOMALILAND : Afard, long. $44^{\circ} 8' E.$, lat. $10^{\circ} 10' N.$, 690 m., Oct., No. 4471. Vernac.—*Darif*.

Saccharum Ravennae (Linn.) Murr.—F.T.A. 9: 96.

SOMALILAND: Near Eil Demet, long. $44^{\circ} 17' E.$, lat. $9^{\circ} 53' N.$, 930–1,080 m., Oct., No. 4327. Durdur tug, long. $43^{\circ} 30' E.$, lat. $10^{\circ} 10' N.$, 810 m., Nov., No. 4583. Vernac.—*Alal ad.*

Chrysopogon Aucheri (Boiss.) Stapf, var. *quinqueplumis* (Hack.) Stapf—F.T.A. 9: 160.

SOMALILAND: Hargeisa, long. $44^{\circ} 1' E.$, lat. $9^{\circ} 33' N.$, 1,290 m., Sept., No. 4012. Vernac.—*Daremo.*

Bothriochloa pertusa (Willd.) A. Camus—*Amphilophis pertusa* (Willd.) Nash ex Stapf—F.T.A. 9: 175.

SOMALILAND: Buramo, long. $43^{\circ} 10' E.$, lat. $10^{\circ} N.$, 1,380 m., Jan., No. 4841. Vernac.—*Domar.*

Eremopogon foveolatus (Del.) Stapf—F.T.A. 9: 183.

SOMALILAND: Gorfulai, long. $43^{\circ} 38' E.$, lat. $10^{\circ} 16' N.$, 480 m., Nov., No. 4549. Berbera, Jan., No. 4736.

Aden, 210 m., Mar., No. 5492. Vernac.—*Sarem; Saren.*

Andropogon cyrtocladus Stapf—F.T.A. 9: 240.

SOMALILAND: Hargeisa, long. $44^{\circ} 1' E.$, lat. $9^{\circ} 34' N.$, 1,290 m., Sept., No. 3999. Vernac.—*Dur.*—Endemic.

A. polyatherus Hochst.—F.T.A. 9: 223.

ABYSSINIA: Harar, long. $42^{\circ} 10' E.$, lat. $9^{\circ} 20' N.$, 1,650 m., Feb., No. 5052. Slopes of Sarerta Mt., 2,400 m., Feb., No. 5185. Vernac.—*Sardo.*—Also in Eritrea.

Cymbopogon divaricatus Stapf—F.T.A. 9: 278.

SOMALILAND: Boundary Pillar 93, long. $45^{\circ} 9' E.$, lat. $8^{\circ} 37' N.$, 990 m., Oct., No. 4208. Vernac.—*Lebjir.*—Endemic.

C. floccosus (Schweinf.) Stapf—F.T.A. 9: 276.

SOMALILAND: Hargeisa, long. $44^{\circ} 1' E.$, lat. $9^{\circ} 33' N.$, 1,290 m., Sept., No. 3984. Burmado, long. $43^{\circ} 50' E.$, lat. $10^{\circ} 13' N.$, 780 m., Nov., No. 4543. Ohob Pass, long. $43^{\circ} 13' E.$, lat. $10^{\circ} 11' N.$, 1,200 m., Feb., No. 4944. Vernac.—*Arab jib, Hadaf.*—Also in Eritrea.

C. Schoenanthus (Linn.) Spreng.—F.T.A. 9: 268.

SOMALILAND: Duwi, long. $44^{\circ} 15' E.$, lat. $10^{\circ} 5' N.$, 1,080 m., among rocks, Oct., No. 4371. Vernac.—*Aus Damer.*

Hyparrhenia hirta (Linn.) Stapf—F.T.A. 9: 315.

SOMALILAND: Hargeisa, 1,290 m., Sept., No. 3984A., Libah Mele Range, Kabal Gabat Pass, long. $43^{\circ} E.$, lat. $10^{\circ} 20' N.$, 1,110 m., Dec., No. 4679. Buramo-Warieto tug, long. $43^{\circ} 10' E.$, lat. $10^{\circ} 2' N.$, 1,080 m., Jan., No. 4914.

ABYSSINIA: Yuka, long. $41^{\circ} 40' E.$, lat. $9^{\circ} 25' N.$, 2,250 m., Mar., No. 5435. Vernac.—*Delan.*

forma *podotricha* Stapf.

ABYSSINIA: Harar, long. $42^{\circ} 10' E.$, lat. $9^{\circ} 20' N.$, 1,650 m., awns black, Feb., No. 5059. Vernac.—*Sav.*

Heteropogon contortus (Linn.) Beauv. ex Roem. et Schult.—
F.T.A. 9: 411.

SOMALILAND: Buramo, long. 43° 10' E., lat. 10° N., 1,590 m.,
Dec., No. 4717. Vernac.—*Eba titis*. Hargeisa, long. 44° 1' E.,
lat. 9° 33' N., 1,290 m., Sept., Nos. 4007, 4252. Vernac.—
Buri gudud, *Aus gudud*.

Digitalia abyssinica (Hochst. ex A. Rich.) Stapf—F.T.A. 9:
460 in part.

ABYSSINIA: Geldid, long. 41° 48' E., lat. 9° 12' N., 2,520 m.,
Mar., No. 5290.

D. pennata (Hochst.) Cooke—F.T.A. 9: 472.

SOMALILAND: Buramo-Warieto tug, long. 43° 10' E., lat.
10° 2' N., 1,140 m., Jan., No. 4904.

D. velutina (Forssk.) Beauv. *D. horizontalis* Willd.—F.T.A. 9:
436, in part.

SOMALILAND: Mt. Wobleh, long. 43° 17' E., lat. 10° 15' N.,
1,290 m., Feb., No. 4980.

Eriochloa nubica (Steud.) Hack. & Stapf. *E. acrotricha*
(Steud.) Hack.—F.T.A. 9: 499.

SOMALILAND: Hargeisa, 1,290 m., Sept., No. 3913A.

Brachiaria glauca Stapf—F.T.A. 9: 550.

SOMALILAND: Gorfulai, long. 43° 38' E., lat. 10° 16' N., 540 m.,
Nov., No. 4557.

B. leersioides (Hochst.) Stapf—F.T.A. 9: 551.

SOMALILAND: Buramo, Warieto tug, long. 43° 10' E., lat.
10° 2' N., Jan., No. 4899.

Brachiaria somalensis C. E. Hubbard, sp. nov.; affinis *B. setigeræ*
(Retz.) C. E. Hubbard, sed culmis foliisque pubescentibus, spiculis
elliptico-ovatis vel ellipticis acutis vel subacutis, lemmate superiore
longiore minute mucronulato differt.

Gramen annum (?). *Culmi* geniculato-adscedentes, usque ad
60 cm. longi, graciliusculi, laxè ramosi, multinodes, tenuiter striati,
pilis patulis brevibus pubescentes. *Foliorum vaginæ* internodiis
subaequilongae vel breviores, demum laxae, striatae, dense pilosae,
nodis villosae; ligulae ad seriem densam ciliorum redactae; laminae
anguste lanceolatae, basi rotundatae, in acumen tenue attenuatae,
3.5–8.5 cm. longae, 5–12 mm. latae, planae, patulae, pilis brevissimis
sericeis dense pubescentes vel supra glabrescentes, marginibus
scaberulae et ciliolatae. *Inflorescentia* laxa, 7–10 cm. longa, e vagina
summa demum longe exserta; axis primarius dense pubescens, uno
latere sulcatus. *Racemi* 6, laxiuscule spiculati, usque ad 5.5 cm.
longi, solitarii, patentes; rhachis gracillima, 0.5–0.6 mm. lata,
triquetra, leviter flexuosa, brevissime pubescens; pedicelli pubes-
centes, laterales brevissimi, terminales 1–3 mm. longi. *Spiculae*
binae vel racemorum apicem versus solitariae, a dorso visae elliptico-
ovatae vel ellipticae, acutae vel subacutae, 3.5–4 mm. longae,
brevissime pubescentes, minutissime tuberculatae. *Gluma inferior*
latissima (explanata), rotundato-truncata, 1–1.3 mm., longa,
tenuissime membranacea, 1–3-nervis; gluma superior latissime

elliptica et obtusa (explanata), spiculae aequilonga, dorso convexa, membranacea, 9-nervis. *Anthoecium inferum* sterile: lemma glumae superiori simile, sed dorso concavum vel plus minusve applanatum, 6-7-nervis; palea elliptica, obtusa, 3 mm. longa, tenuiter membranacea, carinis anguste alatis. *Anthoecium superum* ♂ a dorso visum late ellipticum, a latere visum semi-ellipticum, 3 mm. longum: lemma et palea rigide coriacea, tenuissime transverse rugosa; lemma minute mucronulatum, 5-nervis; antherae 1.5 mm. longae.

SOMALILAND: Buramo-Warieto tug, 10° 2' N., 43° 10' E., in open woodland, on steep gneiss slopes, 1,140 m., 31.I.1933, Gillett 4903 (type in Kew Herb.).

Paspalidium desertorum (A. Rich.) Stapf—F.T.A. 9: 585.

SOMALILAND: Duwi, long. 44° 15' E., lat. 10° 5' N., 1,050 m., Oct., No. 4368. Vernac.—*Gara gara ad.*

P. geminatum (Forssk.) Stapf—F.T.A. 9: 583.

SOMALILAND: Buramo-Warieto tug, long. 43° 10' E., lat. 10° 2' N., 1,080 m., Feb., No. 4926.

Paspalum vaginatum Sw.—F.T.A. 9: 570.

SOMALILAND: Buramo-Warieto tug, Feb., No. 4925.

Urochloa panicoides Beauv. U. Helopus (*Trin.*) Stapf—F.T.A. 9: 595.

SOMALILAND: Hargeisa, long. 44° 1' E., lat. 9° 33' N., 1,290 m., Sept., No. 3913.

Echinochloa colonum (L.) Link.—F.T.A. 9: 607.

SOMALILAND: Debrawen, long. 42° 49' E., lat. 10° 26' N., 960 m., Nov., No. 4669. Vernac.—*Agar.*

Panicum maximum Jacq.—F.T.A. 9: 655.

SOMALILAND: Hargeisa, long. 44° 1' E., lat. 9° 33' N., 1,290 m., Sept., No. 3912. Jifa Uri, long. 43° 22' E., lat. 9° 42' N., 1,680 m., Jan., No. 4837.

ABYSSINIA: Harar, long. 42° 10' E., lat. 9° 20' N., 1,740 m., Feb., No. 5037. Vernac.—*Buldorleh; Sar.*

P. turgidum Forssk.—F.T.A. 9: 706.

SOMALILAND: Hargeisa, 1,290 m., Sept., No. 3979. Elmis, long. 44° 14' E., lat. 10° 20' N., 240 m., Oct., No. 4493. Vernac.—*Dungara.*

Setaria verticillata (Linn.) Beauv.—F.T.A. 9: 824.

SOMALILAND: Hargeisa, long. 44° 1' E., lat. 9° 33' N., 1,290 m., Sept., No. 3916.

Rhynchelytrum repens (Schumach.) C. E. Hubbard. *R. roseum* (Nees) Stapf & Hubbard.—F.T.A. 9: 880.

SOMALILAND: Mt. Wobleh, long. 43° 17' E., lat. 10° 15' N., 1,020 m., Feb., No. 4993.

ABYSSINIA: Harar, long. 42° 10' E., lat. 9° 20' N., 1,740 m., Feb., No. 5042. Vernac.—*Sar.*

R. villosum (Parl.) Chiov.—F.T.A. 9: 875.

SOMALILAND: Hargeisa, long. 44° E., lat. 9° 35' N., 1,410 m., Oct., No. 4266.

Tricholaena Gillettii C. E. Hubbard, sp. nov., affinis *T. teneriffae* (Linn.f.) Parl., a qua spiculis minoribus, glumarum pilis brevioribus differt.

Gramen perenne, 20–25 cm. altum, basi multiramosum. *Culmi* geniculato-adscedentes, graciles, teretes, ramosi, plurinodes, internodio summo (pedunculo) glabro laevi 6–9 cm. longo, internodiis inferioribus minute pubescentibus vel glabris multo brevioribus. *Folia* glauca; vaginae internodiis aequilongae vel demum paullo breviores, laxae, tenuiter striatae, ore pilis patulis paucis praeditae vel omnino glabrae, laeves; ligulae ad seriem ciliorum brevium redactae; laminae lineares, in apicem subobtusum callosum attenuatae, 2–5 cm. longae, 2–3.5 mm. latae, planae vel siccitate involutae, rigidiusculae, patulae, supra minutissime et obscure pubescentes, subtus glabrae, laeves. *Panicula* lanceolata vel oblonga, densiuscula, 2.5–5 cm. longa, 1–2 cm. lata, albido-viridis et purpureo-tincta; rhachis flexuosa, glabra, laevis; rami tenuiter filiformes, solitarii, flexuosi, glabri, laeves, basi divisi, inferiores usque ad 2 cm. longi; pedicelli flexuosi, laeves, 0.5–2 mm. longi, apice discoidei. *Spiculae* oblongae, 2.5–2.8 mm. longae, pilis patulis albis sericeis usque ad 2 mm. longis e tuberculis minutissimis ortis laxe pilosae. *Gluma inferior* rotundata, 0.3 mm. longa, tenuiter membranacea, longe pilosa, enervis; gluma superior ovata (explanata), obtusa, minute mucronulata, spiculae aequilonga vel paullo brevior, 5-nervis, laxe pilosa, marginibus ciliolata, membranacea. *Anthoecium inferum* ♂, spiculae aequilongum: lemma glumae superiori simile sed ovato-ellipticum, obtusum, minute mucronulatum; palea lanceolata, lemmate paullo brevior, tenuiter membranacea, apice ciliolata; antherae 1.5–1.7 mm. longae. *Anthoecium superum* ♀, ovatum vel anguste ovatum, obtusum, 1.5–1.6 mm. longum: lemma elliptico-ovatum (explanatum), obtusissimum, obscure nerve, laeve, nitens; palea oblonga, lemmate paullo longior; antherae 1 mm. longae.

SOMALILAND: Duwi, 10° 5' N., 44° 15' E., in tree Acacia—grass community, 1,020 m., 21.10.1932, *Gillett* 4395 (type in Kew Herb.).

T. leucantha Hochst.—F.T.A. 9: 915.

SOMALILAND: Jebel Wotni Mt., long. 45° 6' E., lat. 10° 18' N., 390 m., Jan., No. 4803.

ADEN: 450 m., Mar., No. 5486. Vernac.—*Agar*.

Tricholaena setacea C. E. Hubbard, sp. nov., affinis *T. Gillettii* C. E. Hubbard, sed foliorum laminis longioribus setaceis, paniculis laxioribus, glumarum pilis brevioribus differt.

Gramen perenne, laxe caespitosum, usque ad 45 cm. altum. *Culmi* erecti vel geniculato-adscedentes, graciles, rigidi, plus minusve ramosi, multinodes, glabri, laeves, internodiis inferioribus 1–5 cm. longis, internodio summo (pedunculo) usque ad 20 cm. longo. *Foliorum vaginae* arcte appressae, internodiis plerumque longiores, teretes, juveniles minute pubescentes, demum glabrae, laeves; ligulae ad seriem ciliorum brevissimorum redactae;

laminae angustissime lineares, in apicem setaceum attenuatae, 2-8 cm. longae, planae vel siccitate convolutae, 1-2.5 mm. latae, demum horizontaliter patentem, rigidiusculae, supra minute pubescentes, subtus glabrae, laeves. *Panicula* lanceolata vel ovata, laxa, 4-9 cm. longa, 2-6 cm. lata; rhachis gracillima, glabra, laevis; rami binati vel solitarii, laxe divisi, capillares, flexuosi, laeves, inferiores usque ad 4 cm. longi; pedicelli inaequales, usque ad 6 mm. longi, glabri, laeves, apice discoidei. *Spiculae* oblongae vel ovato-oblongae 2.5-3 mm. longae, pilis patulis albis usque ad 1.5 mm. longis e tuberculis minutissimis laxe pilosae, purpureo-variegatae vel pallide virides. *Gluma inferior* ovata et usque ad 0.3 mm. longa vel ad marginem minutam angustam redacta, tenuiter membranacea, longe pilosa, enervis; gluma superior elliptico-ovata (explanata), obtusa, plerumque minute mucronulata, spiculae aequilonga vel paullo brevior, membranacea, laxe pilosa, marginibus ciliolata, 5-nervis. *Anthoecium inferum* ♂, spiculae aequilongum: lemma glumae superiori simile sed latius; palea lanceolata, lemmati aequilonga, tenuiter membranacea, carinis prope apicem ciliolata; antherae 2.3 mm. longae. *Anthoecium superum* ♀, ovatum, acutum, 2-2.5 mm. longum: lemma elliptico-ovatum (explanatum), obtusum, tenuiter crustaceum, laevissimum, nitens, obscure nerve; palea lemmate paullo longior; caryopsis 1-1.5 mm. longa.

SOMALILAND: Burmado, 10° 13' N., 43° 50' E., on mountain top, lower part of tree Acacia—open wood, amongst rocks, 975 m., 2-11-1932, Gillett 4539 (type in Kew Herb). Vernac.—*Oro jar yer*.

T. teneriffae (Linn. f.) Parl.—F.T.A. 9: 913.

SOMALILAND: Hargeisa, long. 44° 1' E., lat. 9° 33' N., Sept., No. 4006. Gorulai, long. 43° 38' E., lat. 10° 16' N., 480 m., Nov., No. 4551. Vernac.—*Buldorle agar*; *Fordade*.

Pennisetum clandestinum Hochst. ex Chiov.—F.T.A. 9: 1009.

ABYSSINIA: Gorla, long. 41° 48' E., lat. 9° 20' N., 2,700 m., stamens protandrous, filaments nearly 4 cm. long, Mar., No. 5396.

P. divisum (Gmel.) Henrard. *P. dichotomum* (Forssk.) Delile—F.T.A. 9: 972.

SOMALILAND: Biji, long. 44° 5' E., lat. 10° 12' N., 420 m., Oct., No. 4513. Vernac.—*Dungara*.

P. massaicum Stapf, forma.—F.T.A. 9: 973.

SOMALILAND: Boundary, long. 44° 10' E., lat. 8° 57' N., 1,290 m., Oct., No. 4133. Vernac.—*Irdug*.

P. setaceum (Forssk.) Chiov.—F.T.A. 9: 1013.

SOMALILAND: Hargeisa, long. 44° E., lat. 9° 35' N., 1,410 m., Oct., No. 4259. Goton, long. 42° 54' E., lat. 10° 9' N., 1,410 m., Nov., No. 4634. Vernac.—*Aus Damer*; *Arab jib*; *Arab load*.

Cenchrus ciliaris Linn.—F.T.A. 9: 1072.

SOMALILAND: Hargeisa, long. 44° 1' E., lat. 9° 33' N., 1,290 m., Sept., Nos. 3911; 4008; 4036. Boundary, long. 44° 10' E., lat. 8° 57' N., 1,260 m., Sept., Nos. 4092; 4231. Vernac.—*Agar, Garde agar, Irdug*.

- C. penniseliformis* Hochst. & Steud.—F.T.A. 9: 1076.
SOMALILAND: Dubriat Mt., long. 45° 10' E., lat. 10° 22' N.,
c. 300 m., Jan., No. 4785.
- C. setigerus* Vahl.—F.T.A. 9: 1077.
SOMALILAND: near Eil Demet, long. 44° 17' E., lat. 9° 53' N.,
930 m., Oct., No. 4325.
- Danthoniopsis barbata* (Nees) C. E. Hubbard—F.T.A. 10: 74.
SOMALILAND: Near Eil Demet, long. 44° 17' E., lat. 9° 53' N.,
960 m., Oct., No. 4322. Vernac.—*Oro jar*.
- Phragmites communis* Trin.—F.T.A. 10: 153.
SOMALILAND: Gofulai, long. 43° 38' E., lat. 10° 16' N., 540 m.,
Nov., No. 4562. Vernac.—*Gul bilanwe*.
- Agrostis Schimperiana* Hochst. ex Steud.—F.T.A. 10: 175.
ABYSSINIA: Gara Mulata Mt., long. 41° 48' E., lat. 9° 12' N.,
Mar., No. 5312.
- A. semiverticillata* (Forssk.) C. Christ.—F.T.A. 10: 173.
ABYSSINIA: Mulka Jibri, long. 42° 16' E., lat. 9° 24' N., 1,620 m.,
floating in stream, Feb., No. 5082. Vernac.—*Sardo*.
- Aristida abnormis* Chiov. in Ann. Istit. Bot. Roma, 8: 48 (1903).
SOMALILAND: Milmil, long. 42° 42' E., lat. 10° 30' N., 900 m.,
Nov., No. 4666.
- A. adoensis* Hochst. in Schimper, It. Abyss. Sec. III, No. 1806
(1844).
ABYSSINIA: Yuka, long. 41° 40' E., lat. 9° 25' N., 2,250 m.,
Mar., No. 5434.
- A. adscensionis* Linn. Sp. Pl. 1: 82 (1753).
SOMALILAND: Hargeisa, long. 44° 1' E., lat. 9° 33' N., 1,290 m.,
Sept., No. 3983. Boundary, long. 44° 10' E., lat. 8° 57' N., 1,260 m.,
Sept., No. 4088.
- Var. *aethiopica* Dur. & Schinz.
SOMALILAND: Kabrih Bahr, long. 43° 44' E., lat. 10° 20' N.,
480 m., Nov., No. 4547. Buramo, long. 43° 10' E., lat. 10° N.,
c. 1,410 m., Jan., No. 4871. Vernac.—*Tinleh*.
- A. caerulescens* Desf. Fl. Atl. 1: 109 (1798).
SOMALILAND: Jalelo, long. 44° 14' E., lat. 9° 45' N., 1,080 m.,
Oct., No. 4292. Vernac.—*Ma ruel*.
- A. hirtigluma* Steud. Syn. Pl. Glum. 1: 144 (1854).
SOMALILAND: Boundary Pillar 93, long. 44° 15' E., lat. 8° 58' N.,
1,260 m., Sept., No. 4106. Jelelo, long. 44° 14' E., lat. 9° 45' N.,
1,080 m., on schist rocks, Oct., No. 4296. Vernac.—*Harfo*; *Saren*.
- A. Kelleri* Hack. in Mém. Herb. Boiss. No. 20, 8 (1900).
SOMALILAND: Boundary Pillar 93, long. 45° 9' E., lat. 8° 37' N.,
990 m., Oct., No. 4169.—Endemic.
- A. mutabilis* Trin. & Rupr. Spec. Gram. Stip. 150 (1842) et
in Mém. Acad. Imp. Sci. Pétersb. sér. 6, 6: pt. 2, 150 (1843).
SOMALILAND: Milmil, long. 42° 42' E., lat. 10° 30' N., 900 m.,
Nov., No. 4667.

A. papposa Trin. & Rupr. l.c. 173.

SOMALILAND: Afard, long. $44^{\circ} 8' E.$, lat. $10^{\circ} 10' N.$, 540 m., Oct., No. 4460.

A. migiurtina Chiov. Pl. Nov. Aethiop. 29 (1928). (det. Chiovenda).

SOMALILAND: Hargeisa, long. $44^{\circ} 1' E.$, lat. $9^{\circ} 35' N.$, 1,410 m., Sept., No. 4029.

The following numbers of *Aristida* have not yet been determined:—4664; 4750; 4761; 4783.

Oryzopsis keniensis Pilger in Notizbl. Bot. Gart. Berlin, 9: 509 (1926).

ABYSSINIA: Yuka, long. $41^{\circ} 40' E.$, lat. $9^{\circ} 25' N.$, up to 1 m., Mar., No. 5422.

Tragus Berteronianus Schult. Syst. Veg. 2, Mant.: 205 (1824).

SOMALILAND: Las Dawan, long. $45^{\circ} 17' E.$, lat. $10^{\circ} 20' N.$, 200 m., Jan., No. 4810.

T. racemosus (Linn.) All. Fl. Pedem. 2: 241 (1785).

SOMALILAND: Hargeisa, long. $44^{\circ} 1' E.$, lat. $9^{\circ} 33' N.$, 1,290 m., Sept., No. 3929. Vernac.—*Nagard*.

Latipes senegalensis Kunth Rév. Gram. 1: 261, t. 42 (1830).

SOMALILAND: Hargeisa, long. $44^{\circ} 1' E.$, lat. $9^{\circ} 33' N.$, 1,290 m., Sept., No. 4010.

Dignathia villosa C. E. Hubbard in Kew Bull. 1936: 293.

SOMALILAND: Boundary Pillar 93, long. $45^{\circ} 9' E.$, lat. $8^{\circ} 37' N.$, 990 m., Oct., No. 4201.

Sporobolus Brockmanii Stapf in Kew Bull. 1907: 220.

SOMALILAND: Hargeisa, long. $44^{\circ} 1' E.$, lat. $9^{\circ} 33' N.$, 1,290 m., Sept., No. 4016. Vernac.—*Buldorle*.

S. marginatus Hochst. ex A. Rich. Tent. Fl. Abyss. 2: 397 (1851).

SOMALILAND: Hargeisa, 1,290 m., Sept., No. 3918. Boundary, long. $44^{\circ} 10' E.$, lat. $8^{\circ} 57' N.$, 1,260 m., Sept., No. 4091. Vernac.—*Dihi*; *Timo na godleh*.

S. Ruspolianus Chiov. in Ann. Bot. Roma, 5: 64 (1906).

SOMALILAND: Boundary Pillar 99, long. $44^{\circ} 39' E.$, lat. $8^{\circ} 47' N.$, 1,140 m., Oct., No. 4148. Vernac.—*Sifar*.

S. robustus Kunth Rév. Gram. 2: 425, t. 126 (1831).

SOMALILAND: Dubar, long. $45^{\circ} 5' E.$, lat. $10^{\circ} 20' N.$, 120 m., Jan., No. 4766. Near Eil Demet, long. $44^{\circ} 17' E.$, lat. $9^{\circ} 53' N.$, 930 m., Oct., No. 4329.

S. spicatus (Vahl) Kunth Rév. Gram. 1: 67 (1829).

SOMALILAND: Near Eil Demet, long. $44^{\circ} 17' E.$, lat. $9^{\circ} 53' N.$, 930 m., Oct., No. 4326. Gorfulai, long. $43^{\circ} 38' E.$, lat. $10^{\circ} 16' N.$, 510 m., Nov., No. 4556. Berbera, forming close mats, Jan., No. 4737. Vernac.—*Garó*; *Debo welodle*.

S. variegatus Stapf in Kew Bull. 1907 : 218.

SOMALILAND : Boundary, long. $44^{\circ} 10' E.$, lat. $8^{\circ} 57' N.$, 1,260 m., Sept., No. 4082. Debrawen, long. $42^{\circ} 49' E.$, lat. $10^{\circ} 26' N.$, 960 m., forming low flat cushions, Nov., No. 4668. Vernac.—*Dihe*.—Endemic.

The following numbers of *Sporobolus* have not yet been determined :—4015 ; 4096 ; 4537 ; 4820 ; 4898 ; 4928 ; 5171.

Harpachne Schimperii Hochst. ex A. Rich. Tent. Fl. Abyss. 2 : 431 (1851).

ABYSSINIA : Boesesa Valley, long. $42^{\circ} 18' E.$, lat. $9^{\circ} 29' N.$, 1,950 m., Feb., No. 5171.

Eragrostis aulacosperma Steud. Syn. Pl. Glum. 1 : 269 (1854).

SOMALILAND : Hargeisa, 1,290 m., Sept., Nos. 3915 ; 3971 ; long. $44^{\circ} 1' E.$, lat. $9^{\circ} 33' N.$, 1,290 m., Sept., Nos. 4014, 4055. Dobo Pass, long. $43^{\circ} 15' E.$, lat. $10^{\circ} 15' N.$, 1,200 m., Feb., No. 4963. Vernac.—*Warram bili* ; *Dihi* ; *Tingleh*.

E. hararensis Chiov. in Ann. Istit. Bot. Roma, 6 : 163 (1896).

SOMALILAND : Berbera, prickly leaves, Jan., No. 4754, long. $44^{\circ} 8' E.$, lat. $10^{\circ} 10' N.$, 510 m., Oct., No. 4433. Vernac.—*Gubungub*.

E. Schweinfurthii Chiov. in Ann. Istit. Bot. Roma, 8 : 368 (1908).

ABYSSINIA : Gara Mulata Mt., long. $41^{\circ} 48' E.$, lat. $9^{\circ} 12' N.$, 2,670 m., Mar., No. 5344.

Cypholepis yemenica (Schweinf.) Chiov. in Ann. Istit. Bot. Roma, 8 : 357 (1908). *Eragrostis yemenica* Schweinf. in Bull. Herb. Boiss. 2 : App. 2, 41 (1894). *Leptochloa Appletonii* Stapf in Kew Bull. 1907 : 223.

SOMALILAND : Buramo, Dumuk tug, long. $43^{\circ} 10' E.$, lat. $10^{\circ} N.$, 1,260 m., Jan., No. 4872. Dobo Pass, long. $43^{\circ} 15' E.$, lat. $10^{\circ} 15' N.$, 1,200 m., Feb., No. 4966.

Leptochloa obtusiflora Hochst. in Flora, 28 : 203 (1855).

SOMALILAND : Hargeisa, long. $44^{\circ} 1' E.$, lat. $9^{\circ} 33' N.$, 1,440 m., Sept., No. 4059. Boundary, long. $45^{\circ} 10' E.$, lat. $8^{\circ} 57' N.$, 1,260 m., Sept., No. 4080. Mt. Wobleh, long. $43^{\circ} 17' E.$, lat. $10^{\circ} 15' N.$, 1,050 m., Nov., No. 4584. Vernac.—*Aus urun* ; *Buldorle*.

Leptochloa rupestris C. E. Hubbard, sp. nov., affinis *L. uniflorae* Hochst., sed culmis gracilioribus rigidioribus, foliorum laminis angustioribus, lemmatibus glumas plerumque aequantibus vel paullo brevioribus differt.

Gramen perenne (?). Culmi erecti vel e basi prostrata geniculato-ascendentes, usque ad 50 cm. alti, gracillimi, rigidi, teretes, laxi ramosi, multinodes, glabri, laeves. Foliorum vaginae arcte appressae, angustissimae, glabrae, laeves, internodiis demum breviores ; ligulae membranaceae, laceratae, usque ad 1 mm. longae ; laminae anguste lanceolatae vel angustissime elliptico-lanceolatae, basi abrupte contractae, apice tenuiter acutae, 3-5.5 cm. longae, 3-5-7.5 mm. latae, planae, tenues, virides, glabrae, marginibus minute

scaberulae. *Inflorescentia* oblonga, laxa, 7-11 cm. longa, 2.5-3.5 cm. lata; axis primarius gracillimus, laevis. *Racemi* numerosi, gracillimi, secundi, plerumque solitarii, demum patuli, recti vel flexuosi, 2-2.8 cm. longi; rhachis applanata, 0.2-0.3 mm. lata, marginibus scaberula. *Spiculae* sessiles, laxe imbricatae, anguste oblongae vel demum hiantes, 2.3-2.7 mm. longae, pallide virides vel purpureo-tinctae, 1-florae; rhachilla supra anthoecium brevissime producta. *Glumiae* subaequales, 2.3-2.7 mm. longae, carinatae, tenuiter acutae, membranaceae, 1-nerves, carina laeves vel parce scaberulae; inferior lanceolato-linearis (explanata); superior anguste lanceolata (explanata). *Lemma* lanceolatum et obtusum (explanatum), 2-2.5 mm. longum, carinatum, membranaceum, tenuiter 3-nerve, nervis nisi apicem versus breviter pubescens. *Palea* oblonga, truncata, lemmati aequilonga, glabra vel basin versus pilis paucis praedita. *Antherae* 1.5 mm. longae.

SOMALILAND: Mt. Wobleh, 10° 15' N., 43° 17' E., on gneiss slopes, in open wood—evergreen scrub, 1,290 m., 6-2-1933. *Gillett* 4981 (type in Kew Herb.); Jifa Uri, 9° 42' N., 43° 22' E., gneiss kopje, in evergreen scrub, 1,680 m., 10-1-1933, *Gillett* 4838.

Oropetium capense Stapf in Dyer, Fl. Cap. 7: 742 (1900).

SOMALILAND: Dobo Pass, long. 43° 15' E., lat. 10° 15' N., 1,200 m., Feb., No. 4964.

Chaetostichium minimum (Hochst.) C. E. Hubbard in Hook. Ic. Pl. 34: t. 3341 (1937).

SOMALILAND: Boundary Pillar 93, long. 45° 9' E., lat. 8° 37' N., 990 m., Oct., No. 4163. Jebel Wotni Mt., long. 45° 6' E., lat. 10° 18' N., c. 390 m., on limestone slopes in open scrub, Jan., No. 4800.

Microchloa Kunthii Desv. Opusc. 75 (1831).

ABYSSINIA: Yuka, long. 41° 40' E., lat. 9° 25' N., 2,550 m., Mar., No. 5442.

Cynodon Dactylon (Linn.) Pers. Syn. Pl. 1: 85 (1805).

SOMALILAND: Hargeisa, long. 44° 1' E., lat. 9° 33' N., 1,290 m., Sept., No. 3930. Daba Bur, long. 43° 6' E., lat. 9° 59' N., 1,470 m., Nov., No. 4611. Buramo-Warieto tug, long. 43° 10' E., lat. 10° 2' N., Feb., No. 4927.

ABYSSINIA: Near Yuka, long. 41° 40' E., lat. 9° 25' N., 2,430 m., Mar., No. 5437.

Enteropogon barbatus C. E. Hubbard, sp. nov., affinis *E. Ruspoliano* Chiov. sed glumis inaequaliter bilobis, gluma inferiore longiore obtusissima, callo anthoecii pilis 4-5 mm. longis dense barbato differt.

Gramen perenne, dense caespitosum, circiter 70 cm. altum. *Culmi* erecti, graciles, inferne plus minusve compressi, superne teretes, simplices vel basin versus ramosi, 3-nodes, glabri, laeves. *Folia* glauca; vaginae minute asperulae, basales valde compressae

et acute carinatae, imbricatae, marginibus pilis longis tenuissimis laxe ciliatae, superiores internodiis breviores, subteretes, glabrae; ligulae ad seriem densam pilorum redactae, pilis albis sericeis patulis usque ad 8 mm. longis; laminae anguste lineares, in apicem setaceum tenuissimum longe attenuatae, usque ad 40 cm. longae, conduplicatae, vel explanatae et usque ad 3 mm. latae, glabrae, plus minusve minute asperulae vel laeves. *Spica* gracilis, recta vel leviter curvata, 11-18 cm. longa, secunda, pallide viridis vel purpureo-tincta; rhachis 0.8 mm. lata, dorso scaberula, basi villosa. *Spiculae* dense imbricatae, 7-8 mm. longae, 2-florae. *Glumae* membranaceae, 1-nerves, minute asperulae; inferior oblonga (explanata), obtusissima, 3-4.5 mm. longa, breviter et inaequaliter biloba, e sinu nonnunquam minute mucronata; superior anguste oblonga vel anguste oblongo-lanceolata (explanata), 5-8 mm., longa, inaequaliter biloba, lobis acutis angustis usque ad 1 mm. longis, mucrone usque ad 0.7 mm. longo e sinu oriente praedita. *Lemmata* anguste elliptica (explanata), apice anguste et acute biloba, lobis usque ad 1 mm. longis, arista usque ad 4 mm. longa e sinu oriente praedita, demum coriacea, 3-nervia, glabra, scabrida, primum 5-7 mm. longum, secundum 4 mm. longum; callus rotundato-obtusus, 0.6-0.8 mm. longus, pilis albis sericeis 4-5 mm. longis dense barbatus. *Paleae* lanceolato-lineares, acuminatae, truncatae, bimucronulatae, dorso minute hispidulae, carinis supra medium scaberulae, prima 5.5-7.5 mm. longa, secunda 4.5-5 mm. longa. *Antherae* 2-3 mm. longae. *Caryopsis* dorso visa anguste elliptica, 5.5 mm. longa.

SOMALILAND: Boundary Pillar 93, 45° 9' E., 8° 37' N., 990 m., 6-10-1932, Gillett 4196 (type in Kew Herb.). Vernac.—*Aus Gorun*.

KENYA COLONY: Northern Frontier Province, 1932, McKay 4. *Chloris myriostachya* Hochst. in Flora, 28: 204 (1855).

SOMALILAND: Boundary Pillar 93, long. 45° 9' E., lat. 8° 37' N., 990 m., infl. purplish, Oct., No. 4197. Vernac.—*Aro ane*.

C. pycnothrix Trin. Gram. Unifl. 234 (1824).

SOMALILAND: Hargeisa, long. 44° 1' E., lat. 9° 33' N., 1,290 m., Sept., No. 3917.

C. virgata Sw. Fl. Ind. Occ. 1: 203 (1797).

SOMALILAND: Hargeisa, 1,290 m., Sept., No. 3914.

Tetrapogon spathaceus (Hochst.) Hack. ex Dur. & Schinz, Consp. Fl. Afr. 5: 864 (1894).

SOMALILAND: Boundary, long. 43° 54' E., lat. 9° 2' N., 1,350 m., infl. reddish, Oct., No. 4228. Vernac.—*Bulbiorle*.

T. tenellus (Roxb.) Chiov. in Ann. Istit. Bot. Roma, 8: 352 (1908).

SOMALILAND: Buramo-Warieto tug, long. 43° 10' E., lat. 10° 2' N., c. 1,170 m., infl. green and dark red, Jan., No. 4901. Boundary, long. 44° 10' E., lat. 8° 57' N., 1,290 m., Oct., No. 4117.

T. villosus Desf. Fl. Atl. 2: 389 (1799).

SOMALILAND: Hargeisa, long. $44^{\circ} 1' E.$, lat. $9^{\circ} 33' N.$, 1,290 m., Sept., No. 4009. Buramo, 1,500 m., infl. reddish brown, Jan., No. 4854. Dobo Pass, long. $43^{\circ} 15' E.$, lat. $10^{\circ} 15' N.$, 1,200 m., Feb., No. 4965. Vernac.—*Buri wena*.

Coelachyrum poaeiflorum Chiov. in Ann. Istit. Bot. Roma, 7: 75 (1897).

SOMALILAND: Hargeisa, long. $44^{\circ} 3' E.$, lat. $9^{\circ} 33' N.$, 1,260 m., Sept., No. 4065. Dobo Pass, long. $43^{\circ} 15' E.$, lat. $10^{\circ} 15' N.$, 1,200 m., infl. blackish green, Feb., No. 4967. Duwi, long. $44^{\circ} 15' E.$, lat. $10^{\circ} 5' N.$, 1,050 m., Oct., No. 4369. Vernac.—*Domar*.

Coelachyrum stoloniferum C. E. Hubbard, sp. nov., affinis *C. poaeifloro* Chiov., sed spiculis laxè imbricatis, lemmatibus emucronatis minus pubescentibus differt.

Gramen perenne, usque ad 40 cm. altum, glaucum, stoloniferum; stolones longi, ramosi, internodiis rigidissimis solidis glabris, e nodis innovationes breves edentes. *Culmi* erecti, graciles, 1-3-nodes, tenuissime striati, glabri, laeves. *Foliorum vaginae* glabrae, laeves, eae innovationum dense imbricatae, usque ad 8 mm. longae, basi stramineae, eae culmorum internodiis multo breviores, arcte appressae; ligulae truncatae, usque ad 1 mm. longae, apice laceratae, membranaceae; laminae lineares vel angustissime lanceolatae, subpungentes, usque ad 5 cm. longae, 2-2.5 mm. latae, planae, rigidae, demum patulae vel recurvatae, glabrae, marginibus cartilagineis albidis scaberulis. *Inflorescentia* 2.3-6 cm. longa, laxè ramosa; axis primarius superne flexuosus, angulatus, leviter scaberulus. *Racemi* 4-6, solitarii, demum horizontaliter patentes, basi nudati, inferiores usque ad 5 cm. longi, ceteri gradatim breviores; rhachis gracillima, angulata, angulis scaberulis; pedicelli 0.2-2 mm. longi. *Spiculae* laxè imbricatae, oblongae, 4-8 mm. longae, 3-4 mm. latae, plerumque pallide flavido-et purpureo-variegatae, 6-14-florae. *Glumae* ovato-oblongae vel oblongo-ellipticae (explanatae), obtusae, aequales, 2.4-2.8 mm. longae, carinatae, membranaceae, 1-nerves, minutissime asperulae, carina superne scaberulae. *Lemmata* imbricata, late oblongo-elliptica (explanata), obtusa, subintegra vel minutissime biloba, 3 mm. longa (inferiora), membranacea, 3-nervia, minutissime asperula, infra medium secus margines dense breviter pubescentia et basin versus dorso minute sparse puberula. *Paleae* oblongae, truncatae vel obtusissimae, circiter 2.8 mm. longae (inferiores), membranaceae, marginibus angustis inflexis breviter pubescentes, dorso infra medium minute pubescentes. *Antherae* 1-1.5 mm. longae. *Caryopsis* oblongo-elliptica, 1.5 mm. longa, dorso valde compressa, concavo-convexa.

SOMALILAND: near Eil Demet, $44^{\circ} 17' E.$, $9^{\circ} 53' N.$, in sand near tug, 930 m., 17.10.1932, Gillett 4324 (type in Kew Herb.).

Eleusine compressa (Forssk.) Aschers. & Schweinf. ex C. Christ. in Dansk Bot. Arkiv. 4: No. 3, 12 (1922).

SOMALILAND: Biji, long. $44^{\circ} 5' E.$, lat. $10^{\circ} 12' N.$, 420 m., on sand hills, Oct., No. 4512. Vernac.—*Huri hari*.

Dactyloctenium aegyptium (Linn.) Beauv. Agrost. Expl. Pl. xv. 10 (1812).

SOMALILAND: Gorfulai, long. $43^{\circ} 38' E.$, lat. $10^{\circ} 16' N.$, 540 m., infl. green, Nov., No. 4561. Vernac.—*Sudaho*.

D. scindicum Boiss. Diagn. Pl. Or. Nov. Sér. 2, 4: 131 (1859).

SOMALILAND: Hargeisa, long. $44^{\circ} 1' E.$, lat. $9^{\circ} 33' N.$, Sept., No. 3903. Vernac.—*Sudaho*, *Sudeh*.

Tripogon abyssinicus Nees ex Steud. Syn. Pl. Glum. 1: 301 (1854).

SOMALILAND: Jebel Wotni Mt., long. $45^{\circ} 6' E.$, lat. $10^{\circ} 18' N.$, c. 390 m., anthers purple, Jan., No. 4800.

Enneapogon cenchroides (Licht.) C. E. Hubbard in Kew Bull. 1934: 119.

SOMALILAND: Barataga, long. $44^{\circ} 1' E.$, lat. $10^{\circ} 5' N.$, 660 m., Oct., No. 4526. Buramo, long. $43^{\circ} 10' E.$, lat. $10^{\circ} N.$, c. 1,410 m., Jan., No. 4870.

E. elegans (Nees) Stapf in Kew Bull. 1907: 224.

SOMALILAND: Hargeisa, long. $44^{\circ} 1' E.$, lat. $9^{\circ} 33' N.$, 1,290 m., Sept., No. 4013. Ohob Pass, long. $43^{\circ} 13' E.$, lat. $10^{\circ} 11' N.$, 1,200 m., Feb., No. 4946.

E. scaber Lehm. Pugill. 3: 41 (1831).

SOMALILAND: Ali Wein Mt., long. $45^{\circ} 15' E.$, lat. $10^{\circ} 24' N.$, 300 m., Jan., No. 4823.

Ehrharta abyssinica Hochst. in Flora, 38: 193 (1855).

ABYSSINIA: Kondudo Mt., $42^{\circ} 20' E.$, lat. $9^{\circ} 27' N.$, 2,700 m., Feb., No. 5216.

Phalaris arundinacea Linn. Sp. Pl. 55 (1753).

ABYSSINIA: Gara Mulata Mt., long. $41^{\circ} 48' E.$, lat. $9^{\circ} 12' N.$, 2,580 m., Mar., No. 5356.

Aeluropus lagopoides (Linn.) Chiov. in Ann. Istit. Bot. Roma, 8: 375 (1908).

SOMALILAND: Berbera, forming large mats, Jan., No. 4741. Vernac.—*Garo*.

Poa leptoclada Hochst. ex A. Rich. Tent. Fl. Abyss. 2: 422 (1851).

ABYSSINIA: Gara Mulata Mt., long. $41^{\circ} 48' E.$, lat. $9^{\circ} 12' N.$, 2,520 m., Mar., No. 5288. Yuka, long. $41^{\circ} 40' E.$, lat. $9^{\circ} 25' N.$, 2,220 m., Mar., No. 5408.

Bromus adoënsis Hochst. ex Steud. Syn. Pl. Glum. 1: 326 (1854).

ABYSSINIA: Gara Mulata Mt., long. $41^{\circ} 45' E.$, lat. $9^{\circ} 15' N.$, 3,000 m., bracts of infl. green and purple, Mar., No. 5370.

Brachypodium flexum Nees Fl. Afr. Austr. 456 (1841).

ABYSSINIA: Gara Mulata Mt., long. $41^{\circ} 48' E.$, lat. $9^{\circ} 12' N.$, 2,700 m., Mar., No. 5302.

var. *abyssinicum* Hochst. in Schimper. It. Abyss. Sect. 2, No. 674 (1842).

ABYSSINIA: Yuka, long. $41^{\circ} 40' E.$, lat. $9^{\circ} 25' N.$, 2,100 m., Mar., No. 5412.