

## THE LUGARD PLANT COLLECTION

By

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### INTRODUCTION

In 1930-31, Major E. J. Lugard came on a long visit to his son and daughter-in-law, Cyril and Kitty, who had a farm on the south-eastern slopes of Elgon at about 2042m. (6,700 ft.) The map reference for this farm is GAM 560.050 on sheet 88/11 of series SKI 11 (1958), 1:50000. Major Lugard was an experienced collector for Kew and he and Kitty (Mrs. C. E.) Lugard proceeded to make a thorough collection, on and around the farm and up the slopes of Elgon to the top. He it was who first encouraged one of us (E.M.T.) to take up collecting with the special aim of completing his collection, which was made only between October and May.

The collection numbered over 700, and was made, where possible, with much material from each plant. The best material was sent to Kew which deposited duplicates of many specimens in the East African Herbarium, and one incomplete set of plants was retained by the Lugards for their use and reference.

The importance of the collection lies in the fact that it was a comprehensive collection from Elgon and aroused interest at the Royal Botanic Gardens, Kew (England) where it was made the subject of special research by Mr. A. A. Bullock. This resulted in two publications: the first, in 1932, contained descriptions of 32 new species and the second, in 1933, was an enumeration of the entire collection. Since new species were described on the basis of this material, the specimens kept by the Lugards were valuable for there were many types amongst them.

However, since the Lugards left Kenya, all trace of their personal incomplete set of plants was lost and it was not until 1965 that an increasing interest in the local flora led to a search for the "Lugard Collection". It was well known that the original collection had gone to Kew, but it was thought that there could be duplicates in the Stoneham Museum, Kitale. We enlisted the help of Mr. R. J. Fulton, who, when Col. Stoneham was getting too old and ill to cope, had been assisting him in a neighbourly way. Mr. Fulton made an exhaustive search of the Museum, and with his aid we were convinced that there was no worthwhile botanical material there.

### Rediscovery

In May 1968, Col. T. H. E. Jackson ("Pinky") was murdered. Soon after this, one of us (E.M.T.) had a long talk with Mrs. Cooper, the wife of the farm manager, who has been there for 23 years. The talk was of botanical and horticultural problems arising from the murder and, in the course of it, Mrs. Cooper mentioned some dried plants lying in the roof of their house. We at once realised that this might be the Lugard Collection, because the Coopers' house originally belonged to the Lugards.

Col. Jackson's sister, Mrs. Symes, kindly suggested that one of us (E.M.T.) should have charge of the bundle of plants. This turned out to be a well-preserved, tightly bound package of scraps and whole plants secured to herbarium drying paper with glue. Each sheet of paper had one to many whole plants or fragments glued to it, with numbers associated with each specimen on the sheet, and occasional additions in a later hand.

## The collection

The collection has been curated by one of us (A.D.Q.A.) with care. The multiple-specimen sheets were cut up, retaining their numbers and specimens with their underlying paper. There were some later, whole-plant collections which were unnumbered and there were some numbers on the sheets which did not correspond to any plant material thereon. However, this was easy to check upon since numbers were generally consecutive upon one sheet.

Mrs. C. E. Lugard has (*in lit.*) assured us that this parcel is in fact a duplicate of the Kew collection. The authenticity of the plants is further confirmed by the numbers, which match those cited in Bullock's publication. The specimens themselves in many cases have probably come from the same individual plant as is already represented in the East African Herbarium. For example, *Sphaerocodon obtusifolium* Benth. (Lugard 618) is a species which has never since been gathered in Kenya, but of which we now have two specimens apparently from the same plant, which differs in its growth form from specimens from other areas (e.g. Uganda).

The collection contains 368 numbered specimens which include isotype and paratype material of 27 species. The collection as a whole is now housed in the Herbarium of the University College, Nairobi. All type specimens, of which Table I is an enumeration, have, however, been lodged in the East African Herbarium, together with an annotated list of first Kew determinations and some relevant correspondence kindly sent to us by Mrs. C. E. Lugard.

TABLE I

Type of material present in the re-discovered personal collection of Major E. J. and Mrs. C. Lugard. Arrangement is after Hutchinson (1926) with alphabetical order within families. Authorities are all those of Bullock unless otherwise stated. An *isotype* is a duplicate (collected at the same time, with the same number) of the holotype, while a *paratype* is a specimen cited at the time of the first description.

Name	Numbers	Earlier synonym (if any)
Crassula erubescens	422 (isotype)	
Crassula wrightiana	215 (isotype) 538 (paratype)	C. granvikii Mildbr.
Kalanchoe lugardii	115 (isotype)	
Impatiens phlyctidoceras	313 (isotype)	
Combretum elgonense Exell	524 (isotype)	
Hypericum afroontanum	338a (paratype)	
Euphorbia euryops	380 (isotype)	E. repetita A. Rich.
Astragalus elgonensis	334 (isotype)	A. atropilosulus (Hochst.) Bunge
Crotalaria lugardiorum	197 (paratype)	
Trifolium lugardae	97 (isotype)	
Tylophora lugardii	656 (isotype)	
Galium afroalpinum	365 (paratype)	G. ruwenzoriense (Chiov.) Hedb.
Galium mollicomum	400 (isotype)	G. ossirwaense K. Krause
Oldenlandia scopulorum	346 (isotype)	
Senecio lugardae	541 (isotype)	S. hochstetteri Sch. Bip.
Chironia elgonensis	21 (isotype)	
Swertia lugardae	409 (paratype)	
Plumbago montis-elgonis	637 (isotype)	
Lobelia melleri Hemsl. var. grossidens E. Wimm.	149 (isotype) variety	L. anceps L.f.
Kew Bull, 1952:139		
Calamintha elgonensis	363 (isotype)	Satureia uhligii Guerke
Leucas tricrenata	471 (paratype)	
Commelina elgonensis	549 (isotype)	
Commelina lugardae	145 (isotype)	
Urginea porphyrantha	556 (isotype)	
Crinum heterostylum	421 (isotype)	
Holothrix elgonensis Summerh.	379 (paratype)	
Satyrium dizygoceras Summerh.	595 (isotype)	S. volkensii Schltr.

PLANTS CITED IN THE TEXT WITH  
NAMING AUTHORITY

- |   |   |
|---|---|
| <i>Anthericum gregorianum</i> Rendle          | <i>Justicia whytei</i> S. Moore                 |
| <i>Aristida adoensis</i> Hochst.              | <i>Kyllinga erecta</i> (Schum.) C. B. Cl.       |
| <i>Cassia mimosoides</i> L.                   | <i>Kyllinga leucocephala</i> Boeck.             |
| <i>Coleus caninus</i> (Roth) Vatke            | <i>Leonotis nepetifolia</i> R. Br.              |
| <i>Craterostigma hirsutum</i> S. Moore        | <i>Lippia javanica</i> (Burm. f.) Spreng.       |
| <i>Craterostigma</i> spp.                     | <i>Nesaea erecta</i> G. & P.                    |
| <i>Croton dichogamus</i> Pax                  | <i>Ochna ovata</i> F. Hoffm.                    |
| <i>Cyperus</i> spp.                           | <i>Oldenlandia herbacea</i> Roxb.               |
| <i>Dombeya burgessiae</i> Gerrard             | <i>Olea africana</i> Mill                       |
| <i>Eragrostis braunii</i> Schweinf.           | <i>Panicum maximum</i> Jacq.                    |
| <i>Eragrostis hispida</i> K. Schum.           | <i>Pennisetum</i> spp.                          |
| <i>Eriochloa nubica</i> (Steud.) Thell.       | <i>Psiadia arabica</i> Jaub. & Spach            |
| <i>Erythrococca bongensis</i> Pax             | <i>Rhychelytrum repens</i> (Willd.) C. E. Hubb. |
| <i>Euphorbia rivae</i> Pax                    | <i>Rhynchosia elegans</i> A. Rich.              |
| <i>Evolvulus alsinoides</i> (L.) L.           | <i>Senecio discifolius</i> Oliv.                |
| <i>Fimbristylis</i> spp.                      | <i>Setaria verticillata</i> (L.) Beauv.         |
| <i>Fuerstia africana</i> Th. Fr.              | <i>Solanum incanum</i> L.                       |
| <i>Gnidia subcordata</i> Meissn.              | <i>Sporobolus discosporus</i> Nees              |
| <i>Grewia similis</i> K. Schum.               | <i>Sporobolus usambarensis</i> Gilg             |
| <i>Harpachne schimperi</i> A. Rich.           | <i>Themeda triandra</i> Forsk.                  |
| <i>Hyparrhenia collina</i> (Pilger) Stapf     | <i>Trachyandra saltii</i> (Bak.) Oberm.         |
| <i>Hyparrhenia filipendula</i> (Steud.) Stapf | <i>Turraea mombassana</i> DC.                   |
| <i>Ilysanthes pusilla</i> Urban               |   |

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