

NEWLY DESCRIBED SPECIES AND NEW COMBINATIONS.

Chlorophytum longipedunculatum H. Forbes sp. nov. *Affine C. elato sed scapo longiore et robustiore foliis longioribus et latioribus differt.*

Folia viridia, usque 1·36 m. longa et 6·5 cm. lata, lanceolata, prope 50 costis distinctis, glabra, marginibus angustis membranaceis albidis. *Pedunculus* ramosus, usque 1·6 m. longus; bracteae inferiores usque 17 cm. longae ad 3·3 cm. latae, sensim diminutae; superiores 2 cm. longae. *Flores* 4-6-nati in axillis bracteae. *Pediceli* graciles, 1·5 cm. longi, supra medium articulati. *Perianthum* album; segmenta 1·6-1·7 cm. longa, 6-7 mm. lata; 3 exteriora apice extus virida. *Filamenta* 5 mm. longa; antherae 6 mm. longae, lineares, erectae, interlobos basales dorso affixae. *Ovarium* sessile, triquetrum.

TRANSVAAL.

Nelspruit distr.: Sabie, *Pole Evans in Nat. Herb.* 4247 (type). Rustenburg distr.: Rustenburg, *Pole Evans in Nat. Herb.* 10026.

This is a strikingly conspicuous plant when in bloom as its long peduncle bears panicles of pure white starry flowers, only the three outer perianth-lobes being tipped with green. Its nearest affinity appears to be *Chlorophytum elatum* R. Br., but it has a much longer and more robust flowering scape than that species, also its leaves are much longer and broader. The description is based on specimens collected by Dr. I. B. Pole Evans and which flowered at Irene, near Pretoria, in December, 1939.

Two specimens in the Transvaal Museum appear to be very close to this species, namely, *Stewart* (T.M. 9640), collected in Swaziland, and *Obermeyer* 2166, collected on Mt. Silinda, on the outskirts of Chirinda Forest, S. Rhodesia, but in both cases the material is insufficient for a definite determination.

Kalanchoe albiflora H. Forbes sp. nov. *K. thyrsiflorae* Havr. *affinis sed colore et forma floris et inflorescentia differt.*

Herba succulenta, biennis. *Caulis* erectus, crassus, 1-1·5 m. altus, leviter 4- angularis. *Folia* decussata, usque 18 cm. longa et 15 cm. lata (juniora gradatim reducta), supra leviter concava, infra leviter convexa, basi connata et decurrentia, glaberrima; seniora marginibus distincte rubris. *Inflorescentia* paniculata, multiflora. *Pedunculus* simplex vel semel vel bis dimidiatus. *Bracteae* alternae; inferiores usque 7 mm. longae et 2·5 mm. latae, ovatae, sensim diminutae. *Flores* in scorpiodi-cymis. *Pedicellus* usque 1 cm. longus. *Calyx* 4 mm. longus, 2·5 mm. latus; lobi ovato-obtusi. *Corolla* 1·2 cm. longa, 8 mm. lata, urceolata, leviter 4- angularis; lobi albidj, 5-6 mm. longi, 2·5-3 mm. lati, ovati, obtusi. *Stamina* 8, biseriata, ad medium corollae inserta; filamenta applanata, 5-6 mm. longa. *Carpella* 4, 1·15 cm. longa; stylus simplex. *Squamae* 1·5 mm. longae, 2 mm. latae. *Semina* parva, fusca.

ZULULAND.

Ubombo, *Gerstner in Nat. Herb. Pretoria*, 26434, (type) and *Natal Herb. Durban*.

Natal:—Ngotshe distr.: Mooiklip near Louwsberg, *Verdoorn* 1696, 1720.

TRANSVAAL.

Barberton distr.: Rocky ridges, Barberton, *Galpin* 1353. Lydenburg distr.: Suku-kunie, *Barnard* 328.

A tall handsome plant very similar in appearance to *K. thyrsiflora* Harv. from which it differs in the scorpioid cymose inflorescence and pure white or creamery white urceolate corolla. The whole plant is covered with a white powdery bloom, often less dense on the lower leaves.

Galpinia paviflora H. Forbes sp. nov. *affinis G. transvaalica* N.E. Br. *paniculo laxiore floribus minoribus foliis differt.*

Arbor parva, ramulis tetragonis. *Folia* supra viridia, infra pallidiora, breviter petiolata, 2.5-8.5 cm. longa, 1-3 cm. lata, oblonga vel obovata vel elliptico-obovata, obtusa, apice recurva, costa subtus infra apicem glandulifera, basi cuneata vel cuneato-rotundata. *Paniculae* terminales et axillares, multiflorae, bracteae foliiformae, 0.5-1.5 cm. longae, 0.1-1.4 cm. latae, majores foliis similes. *Pediceli* tetragoni, 2 mm. longi. *Calycis* *tubus* campanulatus, 5-6-dentatus, persistens; dentibus triangularibus acutis apicem versus breviter ciliatis, sinubus dentatis. *Petala* 5-6, fauci calycis inserta, lanceolata, 2-3 mm. longa, 1 mm. lata. *Stamina* 5-6, 4 mm. longa, infra medium tubi calycis inserta, filamentis exsertis, antherae didymae. *Ovarium* sessile, imperfecte 2-loculare, apud 1 mm. longum et latum; *stylus* 3mm. longus, filiformis.

ZULULAND.

Hluhluwe Game Reserve. *Gerstner* 3182, in *Nat. Herb. Pretoria and Natal Herb. Durban* (type).

In Kew Bulletin 1894, p. 345, N. E. Brown described a new genus, *Galpinia*, which he named in honour of Dr. E. E. Galpin who collected the type material. For many years only the one species, *G. transvaalica* N.E.Br. was known, then a second species, described here, was collected in Zululand by the Rev. Father J. Gertsner. This species is distinguished from *G. transvaalica* by its looser panicle, smaller flowers and by its leaves, which are not so thick or opaque as those of *G. transvaalica*. The native name for this tree is „umPisamakasa” and Father Gerstner states that “the leaves are liked by the black rhino”.

Stachys villosissima H. Forbes sp. nov. *Affinis S. Galpini* Briq., *inflorescentia laxiore et calycis laciniis longioribus et acutoribus differt.*

Herba villosissima, basi ramosa, ramis decumbentibus vel ascendentibus, simplicibus vel interdum ramulosis. *Folia* subsessilia vel breviter petiolata, 0.6-2 cm. longa, 0.7-1.8 cm. lata, ovata vel ovato-cordata, marginibus dentatis, villosissima. *Inflorescentia* laxa, verticillastri 2-flori. *Bracteae* inferiores foliis similes; superiores maxime reductae, lanceolatae, dense villosae. *Flores* brevissime pedicellati. *Calyx* 7-9 mm. longus, 6-8 mm. latus; *tubus* campanulatus, 10-nervatus, dense villosus; *lacinae* 2.5-3 mm. longae, lanceolatae, acutae, setaceae. *Corollae* *tubus* cylindraceus, 6 mm. longus; *limbus* 2-labiatus, labio postico erecto, ovato, 3 mm. longo, antico patente 3-fido, lobo medio maximo, 3 mm. longo. *Stamina* 4, didynama. *Stylus* apice 2-fidus, 8 mm. longus. *Nuculae* parvae, fuscae.

ZULULAND.

Eshowe, *Forbes*, 722 in *Natal Herbarium, Durban*; Entumeni: *Forbes* 783 (type) in *Natal Herbarium, Durban* and *National Herbarium, Pretoria*.

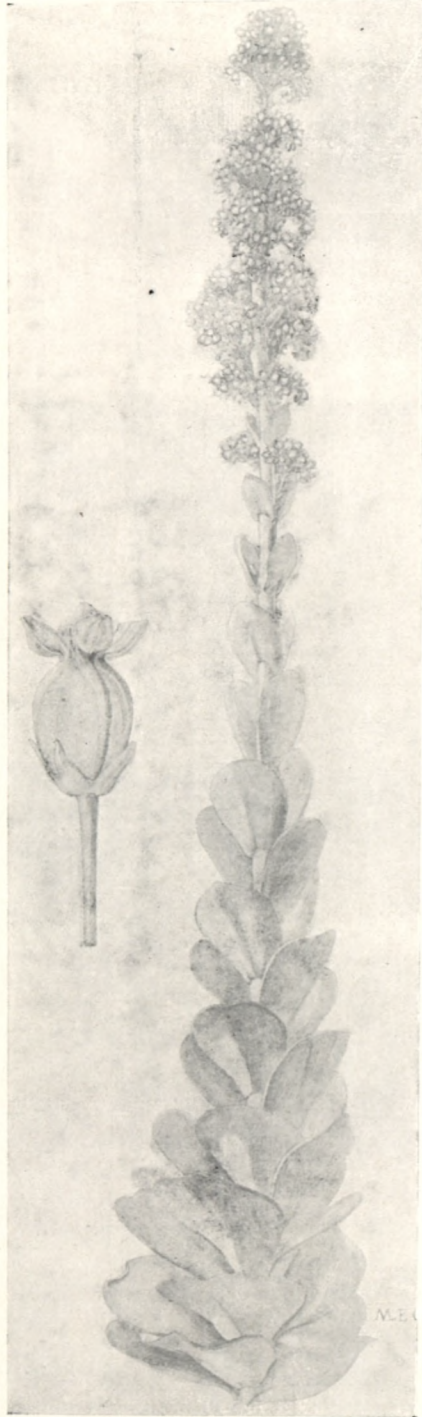
A small plant generally growing among grass. All parts, except the flowers, are densely villous. The flowers are white or very pale lilac and are arranged in lax 2-flowered verticels.

Brachystelma Dinteri (Schltr.) Phill. comb. nov.

(*Blepharathera Dinteri* Schltr.).

Brachystelma Inandensis Phill. comb. nov.

(*Aulostephanus natalensis* Schltr.).



Kalanchoe albiflora H. Forbes.

