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(BOTANY.)

A Contribution to the Flora and Plant Formations of Mount Kinabalu and
the Highlands of British North Borneo. By LILIAN S. GIBBS, F.L.S.

(PLATES 1-8; and 8 Text-figures.)

[Read 5th June, 1913.]

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petiōlus 3 cm. longus. *Scapus* erectus, circiter 50 cm. altus, vaginis spathaceis acutis numerosis obtectus; racemus 16 cm. longus, angustus, multiflorus. *Bractea* ovata vel lanceolato-ovata, acuta, subcoriacea, 1.3-2 cm. longa. *Pedicelli* 1.2-1.5 cm. longi. *Flores*-mediocres. *Sepalum* posticum ovatum, subacutum, concavum, 6 mm. longum; sepala lateralia patentia, oblique et anguste ovata, subobtusata, 8 mm. longa. *Petala* oblique ovato-oblonga, subacuta, cum sepalo postico galeam formantia. *Labellum* integrum, deflexum, lineari-oblongum, subobtusum, carnosum, 1 cm. longum; calcar subclavatum, paullo incurvum, 1 cm. longum. *Columna* latissima, 3 mm. longa.

Hab. Kinabalu, below Pakapaka, 9000', open scrub. Feb. 4258. Terrestrial. Flowers yellow.

Allied to *P. kinabaluensis*, Kränzl., but the flowers rather smaller, the sepals narrower, and the spur not exceeding the limb of the lip.

CORDULA DAYANA, Rolfe in *Orch. Rev.* 1912, 2.

Paphiopedilum Dayanum, Pfitz. in *Engl. Jahrb.* xix. (1894) 40.

Kinabalu, Koung, 1000', sec. forest. Feb. 4347.

Distrib. Borneo (B. N. B. Kinabalu, Low).

Paphiopedilum, Pfitzer (*Morph. Stud. Orchideenbl.* 11), was based on the *Selenipedia acaulis corijfolia*, Reichb. f. *Xen. Orch.* i. 3 (a group of seven Tropical American species), but was afterwards extended (*Engl. Jahrb.* xix. 40) to include the whole of the Tropical Asiatic species. The two groups are generically distinct, and for the latter Rafinesque's genus *Cordula* is half-a-century earlier. *Cordula insignis*, Rafin. *Fl. Tellur.* iv. 46, was based on *Cypripedium insigne*, Wall., in 1836.

BURMANNIACEÆ.

BURMANNIA CÆLESTIS, D. Don, *Prod. Fl. Nep.* 44.

Jesselton, abundant, in open sandy places. Fl. Dec. 3066. Tambunan plain, 2000', in bog. Fl. Feb. 3014.

Distrib. Borneo (Labuan, Hose; Sarawak). Malaysia, N. Australia, Indo-China, and Mauritius.

BURMANNIA LONGIFOLIA, Becc. *Mal.* i. 244, t. 13. ff. 1-5.

Kinabalu, Maraiparai spur, 7000', epiphytic in mossy forest. Fl. (white) Feb. 40.3.

Distrib. Borneo (B. N. B. Kinabalu, 5000', Low; Sarawak). Malay Peninsula. Kindly determined by Mr. Rolfe.