

Maxillaria vagans A. & S. *sp. nov.* Herba caulescens, paullo ramosa. Caulis basibus foliorum arcte imbricantibus omnino obtectus. Pseudobulbi rari, valde complanati, monophylli. Folia oblonga, apice abrupte rotundata. Flores singuli, ex axillis orientes. Perianthium patens. Sepala lateralia oblanceolato-oblonga, acuta. Sepalum dorsale elliptico-oblongum, valde acutum. Petala oblongo-oblanceolata, acuta. Labellum distincte trilobatum, expansum panduratum; lobi laterales parvi, auriculiformes; lobus medius major, subtus carinatus. Columna parva, crassa.

Plant caulescent. Stem stout, entirely invested by distichous closely imbricating sheaths and leaf-bases, with several short branches which are about 7 cm. or less long; the lower portion of the stem (in our specimen) with numerous fibrous, flexuous, glabrous roots. Pseudobulbs of the main stem 6-7 cm. apart, monophyllous, more or less ellipsoid, strongly complanate and coarsely rugose in the dried state, about 3 cm. long. Leaves oblong, spreading; the larger ones 4.6-13.5 cm. long, 1.15-2.6 cm. wide, abruptly rounded to an obliquely bilobed apex with a minute apicule between the lobes, mid-nerve sulcate above and markedly carinate beneath, slightly narrowed below to a complicate base in the dried specimen; the younger leaves (on the branches) small to minute, 2-26 mm. long, 4-8.5 mm. wide. Inflorescences single, 1-flowered, in the axils of sheaths. Peduncles about 3.5 cm. long, with two loose inflated tubular sheaths. Pedicellate ovary concealed and surpassed by a loose conduplicate sheath which is 12.5 mm. long. Perianth segments apparently spreading. Lateral sepals oblanceolate-oblong, acute on account of a dorsal mucro, 1.7 cm. long, 6 mm. wide, lightly oblique, very slightly narrowed toward the base, 11-nerved (five nerves being more prominent). Dorsal sepal elliptic-oblong, about 1.7 cm. long and 5.8 mm. wide, acute with a very conspicuous dorsal mucro which terminates an apical keel, 7-nerved with several additional inconspicuous nerves. Petals oblong-oblanceolate, about 1.46 cm. long, 5 mm. wide above the middle, acute, 5-nerved. Labellum distinctly shorter than the sepals, 1.2 cm. long, 3-lobed, with the sides erect and apparently conduplicate in natural position; lamina (when expanded) pandurate in outline, about 8 mm. wide across the lateral lobes; lateral lobes small, suborbicular, gradually narrowed toward the base, contracted between them by a fleshy subbilobed transverse callus; middle lobe suborbicular, about 7.1 mm. wide, abruptly dilated from a short broad isthmus, a deep keel beneath especially conspicuous near the apex, margin irregularly crenulate. Column short, stout, arcuate, about 4 mm. long dorsally.

Other imperfect flowers have smaller floral dimensions.

Maxillaria vagans has the habit of *M. alba* Lindl.

PANAMA, Province of Chiriqui, "Palo Alto," C. W. Powell 348, November 1923. 4500-5000 feet altitude. "Grows in straggling bunches in considerable sunlight. Flowers white, labellum edged with pink, side lobe pink." (TYPE in Herb. Ames No. 27460.)