

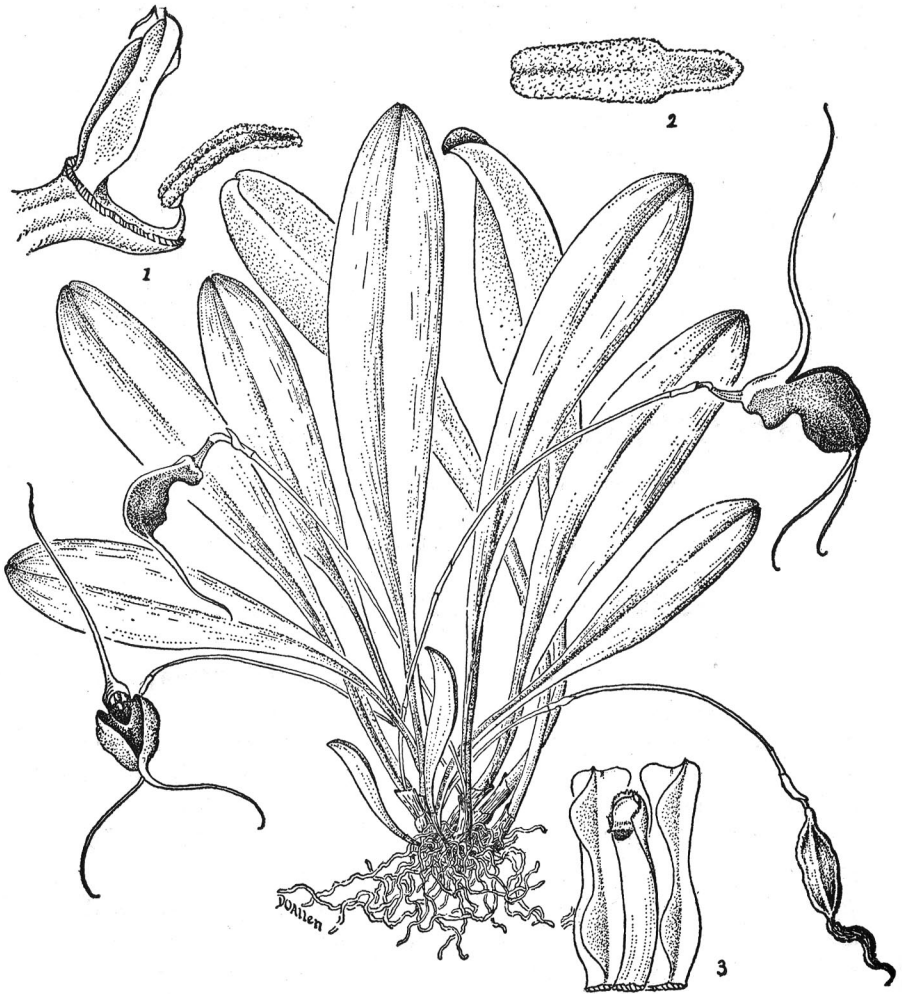
MASDEVALLIA BORUCANA, A NEW ORCHID FROM COSTA RICA

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Masdevallia borucana *P. H. Allen, sp. nov.*

Folia coriacea, spathulata, apice obtusa vel retusa; scapi filiformes, uniflori; pars basalis sepalorum lateralium 2.25-2.50 cm. longa, usque ad 1.5 cm. lata, late subreniformis; petala ca. 6 mm. longa, ambitu oblongo-pandurata; labium carnosum, lamina ca. 5 mm. longa et 2 mm. lata.

Caespitose epiphytic herbs, to about 15 cm. in height. Secondary stems very short, 5-10 mm. long. Leaves coriaceous, spatulate in outline, 8-14 cm. long and 1.5-2.5 cm. wide, with obtuse or retuse apices, the apical notch usually with a minute but definite central apicule. Scapes filiform, 1-flowered, about equalling the leaves in length. Sepaline tube somewhat inflated, composed of very unequal parts and strongly gibbose in profile; dorsal sepal joined to the laterals for only about 1 cm., the upper free portion being produced into a filiform, erect cauda 5-6 cm. long; basal portion of the lateral sepals 2.25-2.5 cm. long and up to 1.5 cm. wide, broadly subreniform in outline and connate for about 2/3 of their length, the convex terminal portions abruptly contracted into filiform appendages 3-3.5 cm. long. Petals about 6 mm. long and 2 mm. wide, from a narrowed base oblong-pandurate in outline, the outer surface minutely papillose and obscurely sulcate near the broadly truncate apex, the inner surface provided with a



***Masdevallia borucana*.** Fig. 1, petals, column and lip seen in profile. Fig. 2, the lip. Fig. 3, front view of the column and petals, showing undulate keels.

longitudinal undulate keel, terminating in a short point on the outer lobe of the apex of each petal. The fleshy lip is articulated with the foot of the column, the minutely papillose, ligulate blade about 5 mm. long and 2 mm. wide, the apical $\frac{1}{3}$ somewhat narrowed and reflexed in natural position. Column about equalling the petals in length, the margins of the hooded apex irregularly and minutely serrate.

COSTA RICA: epiphytic, sepaline tube rich dark Indian red with the filiform tails ocher yellow, petals pale creamy yellow, lip heavily spotted with maroon, forests near Palmar Norte de Osa, Province of Puntarenas, alt. 100 ft., November 6, 1949, *Allen 5361* (TYPE in Herbarium Escuela Agrícola Panam.; DUPL. in author's herbarium); epiphytic, occasional in climax forest, Esquinas forest, region between Río Esquinas and Palmar Sur de Osa, alt. 250 ft., February 12, 1951, *Allen 5866, 6310*.

A handsome species apparently closely allied to *Masdevallia aristata* Barb. Rodr. and to *M. lata*, Reichb. f., but differing markedly from both in the structure of the lip.