

Maxillaria angustisegmenta A. & S. *sp. nov.* Herba caespitosa, crassa. Pseudobulbi cylindracei vel orbiculares, plus minusve valde complanati, monophylli. Folium longe petiolatum; lamina oblonga vel ligulata. Inflorescentiae basales, uniflorae; pedunculi vaginis laxis obtecti. Flos grandis. Sepala anguste oblonga; lateralibus obliqua, mentum formantia. Petala lineari-lanceolata, leviter falcata. Labellum prope apicem trilobatum; lobus intermedius comparate parvus, suborbicularis, recurvus.

Plant stout, apparently caespitose. Roots fibrous, flexuous, glabrous. Pseudobulbs cylindric or disc-shaped, 2.5–5 cm. long, monophyllous, enveloped and much surpassed by nervose sheaths which waste into fibers, more or less complanate and rugose or longitudinally striate in the dried specimen. Leaf long-petioled; lamina oblong, 19.4–41.2 cm. long, 2.5–5.3 cm. wide, acute with a rounded tip, cuneate-narrowed at base, subcoriaceous, mid-nerve prominently sulcate on the upper surface and carinate beneath, sometimes conspicuously glaucous on the under surface, margins more or less revolute in the dried specimen; petiole deeply channeled or conduplicate, 5.1–13 cm. long, up to 6 mm. in diameter. Peduncles 1-flowered, issuing from the base of the pseudobulb, about 8.5–15.5 cm. long, concealed wholly or mostly by 7–8 loose encipitous sheaths which are smaller and imbricating at base. Pedicellate ovary slender, about 2.6 cm. long, entirely enclosed and more or less surpassed by a bract. Floral bract concave, lanceolate, nervose, 2.9–4.4 cm. long. Flower large. Lateral sepals narrowly oblong or lanceolate-oblong, about 4.1–4.9 cm. long, 7.5–9 mm. wide near the base, abruptly acute, somewhat oblique, nervose. Dorsal sepal very similar, concave near the base. Petals linear-lanceolate oblique, slightly falcate, 3.85–4.6 cm. long, up to 6 mm. wide, subacute. Labellum erect and parallel to the column in natural position with the sides tubular-involute and the middle lobe recurved; lamina when expanded elliptic in outline, about 2.2–2.55 cm. long, sharply 3-lobed beyond the middle; basal portion elliptic-obovate, 16.1–18 mm. long, 12–14 mm. wide near the apex, terminat-

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ing in semiorbicular lobes; anterior portion or middle lobe suborbicular, about 8–11 mm. long and wide, central part thickened especially beneath, margins undulate. Disc with a linear central thickening at base terminating near the middle in a prominent acute angle, lower middle portion pubescent on the inner surface. Column arcuate, 1 cm. long, extended into a foot which is about 5 mm. long.

Maxillaria angustisegmenta is allied to *M. Brenesii* Schltr., but it has much larger flowers and long slender petioles.

The description was prepared from dried specimens.

COSTA RICA, Bosque de Aguileo en La Palma, A. M. Brenes (132) 462, November 18, 1922. 1190 meters altitude. (TYPE in Herb. Ames No. 31158): Province of Cartago, Vicinity of Pejivalle, *Paul C. Standley & Juvenal Valerio* 47197, February 7–8, 1926. About 900 meters altitude. "On tree; flowers pale yellow; lip with dark red spots at base."