

Maxillaria attenuata A. & S. *sp. nov.* Herba parvula, caespitosa. Pseudobulbi complanato-cylindranei, monophylli, in apice obliqui. Folia petiolata; lamina oblongo-elliptica. Inflorescentiae uniflorae, longipedunculatae, folia paulo superantes. Pedunculi pluribracteati. Flos complicate magnus, nervosus. Sepala lateralibus et petala falcata, triangulari-linearibus, acuminata. Sepalum dorsale triangulari-lineare, acuminatum. Labellum expansum elliptico-lanceolatum, supra medium leviter trilobatum, lobo intermedio lanceolato-triangulari.

Plant small, caespitose, 7.5–10 cm. high. Roots fibrous, filiform, flexuous, glabrous. Pseudobulbs complanate-cylindric, up to 1 cm. long, monophyllous, very oblique at the apex, finely rugose in the dried specimen, clothed at base with 1 or more evanescent leaf-bearing sheaths. Leaves rather long petioled; lamina elliptic-oblong, up to 4.5 cm. long and 11 mm. wide (immature leaves much smaller), apparently complicate-acute, cuneate at base, mid-nerve conspicuously sulcate above and carinate beneath, subcoriaceous in anthesis; petiole up to 11 mm. long, conduplicate or deeply channeled. Scapes surpassing the leaves, 1-flowered, issuing from the base of the pseudobulbs, flexuous-suberect. Peduncle up to the pedicellate ovary about 5–6.9 cm. long, provided with 5–6 loose tubular sheaths which are short and imbricating at base, long and subremote above. Floral bract similar to the cauline sheaths, subequaling the pedicellate ovary which much surpasses it in

anthesis. Flower large for the plant. Perianth segments connivent in the dried specimen, membranaceous and nerveose in texture. Lateral sepals linear-triangular, strongly falcate, about 2.1 cm. long, about 5.2 mm. wide along the column-foot, forming a prominent mentum, long acuminate with a complicate apex, oblique at base, conspicuously 7-nerved. Dorsal sepal linear-triangular, about 1.8 cm. long, 4 mm. wide near the base, prominently 5-nerved, concave below. Petals very similar to the lateral sepals but smaller, 1.7 cm. long, about 2.6 mm. wide near the base. Labellum erect and parallel to the column with the sides of the basal half incurved in natural position; lamina when expanded elliptic-lanceolate in outline, 14.7 mm. long, 4.9 mm. wide near the middle, slightly 3-lobed about 8 mm. from the base; middle lobe lanceolate-triangular, 2.8 mm. wide at base, long acuminate, mucronate because of a high dorsal apical keel. Disc with an obscure median thickening in the basal half. Column short and stout, 4 mm. long at the back, extended into a broad flat foot which is about 4.7 mm. long.

Maxillaria attenuata is allied to *M. confusa* A. & S., but it is a much smaller species with a different lip. It has longer scapes and much narrower sepals than *M. ramonensis* Schltr. and differs also from that species in having a dissimilar lip. It differs from *M. brachybulbon* Schltr. in having conspicuously petioled leaves and dissimilar floral segments.

The description was made from a single herbarium specimen.

The gradually narrowed perianth parts suggest the specific name.

COSTA RICA, La Palma, A. M. Brenes 512, December 19, 1922. 1250 meters altitude. (TYPE in Herb. Ames No. 31159.)