

Maxillaria Alfaroii A. & S. *sp. nov.* Herba crassa, caulescens. Caulis foliorum vaginis valde imbricantibus conduplicatis omnino obtectus. Folia oblonga vel ligulata, disticha, in apice obtuso mucronata, nervo medio superne sulcato et subtus carinato. Inflorescentiae axillares, uniflorae, singulae. Sepala lateralia oblique lanceolata, acuta. Sepalum dorsale oblongo-ovatum, concavum. Petala ovato-oblonga, acuta. Labellum oblongum, leviter panduratum, in apice late rotundatum, in medio callosum.

Plant stout (only the summit present). Stem subterete, about 7.5 mm. in diameter, entirely invested by the leaf-sheaths which are distichous, closely imbricating and conduplicate. Leaves oblong or ligulate, up to 23.3 cm. long and 2.5 cm. wide, the upper ones gradually shorter, rather abruptly narrowed to the rounded mucronate apex, slightly narrowed below with a conduplicate base, subcoriaceous, mid-nerve sulcate above and sharply carinate beneath, margins often revolute in the dried plant. Inflorescences short, axillary, solitary, 1-flowered. Peduncle clothed with several scarious narrow sheaths. Lateral sepals broadly lanceolate, oblique, 1.9 cm. long, about 7 mm. wide near the base, acute with a dorsal mucro, many-nerved. Dorsal sepal oblong-ovate, 1.86 cm. long, 7.8–8.8 mm. wide, concave, acute with a dorsal mucro, many-nerved. Petals ovate-oblong, 1.6 cm. long, 6.5–7 mm. wide, acute, slightly oblique, many-nerved. Labellum simple, subquadrate-oblong, slightly contracted in the middle of each side, 1.43 cm. long, 6.4 mm. wide near the base, 5.8 mm. wide near the apex which is broadly rounded and slightly retuse. Disc concave to above the middle, the basal half with a central thickening which merges into a fleshy ovate-oblong callus in the middle, anterior portion thickened, finely papillose except in the lower central portion. Column stout, strongly arcuate, 7–8.5 mm. long at the back, sometimes rugose at the summit of the posterior surface.

Maxillaria Alfaroii was described from a dried plant with the exception of the flower which was sent separately preserved in formalin. It is apparently without Central American allies, but the foliage and habit recall *Ornithidium Lankesteri* Ames while the flower-structure simulates that of *M. variabilis* Batem. and *M. foliosa* A. & S.

COSTA RICA, Carretera Fuentes, A. Alfaro 284, August 9, 1926. 1400 meters altitude. "Flowers orange yellow." (TYPE in Herb. Ames No. 33600.)