

Maxillaria Valerioi A. & S. *sp. nov.* Herba caulescens, epiphytica. Caules cylindranei, paulo ramosi, foliorum vaginis omnino obtecti. Folia disticha, lanceolato-linearia, obtuse bilobata, numerosa. Inflorescentiae axillares, uniflorae, folia subaequant. Flores albi. Sepala lateralia oblongo-lanceolata, obliqua. Sepalum dorsale simile. Petala oblonga, ad basim angustata. Labellum anguste pandurato-spathulatum, acutum, prope basim callosum.

Plant epiphytic, caulescent. Roots fibrous, filiform, glabrous. Stem terete, up to 53 cm. tall, with few simple branches, entirely concealed by leaf-sheaths which are tubular, imbricating, appressed and waste into fibers in the lower portion of the stem. Leaves lanceolate-linear, up to 3.9 cm. long and 6.4 mm. wide near the base, abruptly and obliquely bilobed at the apex, clasping at a rounded base, gradually narrowed above, distichous, coriaceous, numerous, widely spreading, those present being on the upper parts of the branches. Inflorescences 1-flowered, apparently one to each leaf-axil on the upper portions of the stem and branches, subequaling the subtending leaf. Peduncle filiform, concealed by several scarious, imbricating, ancipitous sheaths. Flowers white. Lateral sepals lanceolate-oblong, 10.2 mm. long, about 3 mm. wide near the base, oblique, subacute or obtuse with apex slightly carinate on the outer surface, 5-nerved. Dorsal sepal similar, 9.6 mm. long, 2.8 mm. wide near the base, somewhat concave in the basal half. Petals oblong, slightly broader above the middle, 8.9 mm. long, about 2.3 mm. wide, obtuse, 3-nerved. Labellum linear-spatulate in outline, 10.7 mm. long, the basal two-thirds with sides incurved in natural position, acute; lamina when expanded slightly wider near the base and much dilated near the apex (thus pandurate), about 2 mm. wide near the base, about 4.3 mm. wide across the anterior rhombic dilation of which the outer angles are more or less lobulate. Disc in the basal third with a fleshy central thickening which merges into an oblong-quadrate free callus. Column cylindric, straight, about 3.1 mm. long at the back, extended into a stout foot at a slight angle.

Maxillaria Valerioi suggests *Camaridium dendrobioides* Schltr., being very similar in habit and foliage, but the lip is quite different and the flowers are white instead of colored.

The description was prepared from dried specimens.

COSTA RICA, Province of Cartago, Vicinity of Pejivalle, Paul C. Standley & Juvenal Valerio 46940, February 7, 8, 1926. About 900 meters altitude. "On tree; flowers white." (TYPE in Herb. Ames No. 33599.)