

**Maxillaria appendiculoides** *C. Schweinfurth* sp. nov.

Herba epiphytica. Caules elongati, sine pseudobulbis, foliorum vaginis imbricantibus omnino obtecti. Folia disticha, numerosa, late patentia. Inflorescentiae breves, axillares, uniflorae. Flos parvus, membranaceus. Sepalum dorsale ovato-lanceolatum, longe acuminatum, valde concavum. Sepala lateralalia lanceolata vel ovato-lanceolata, valde obliqua, complicato-acuminata. Petala elliptico-lineararia, falcata, acuta. Labellum in circuitu rhomboideum, obscure trilobatum, antice truncatum, basi cuneatum; discus parte inferiore callo crasso oblongo ornatus. Columna arcuata, in pedem producta.

Plant epiphytic. Stem elongate, flexuous or arcuate, sparingly branched, without pseudobulbs, entirely concealed by distichous imbricating leaf-sheaths, about 5 mm. wide or less across the sheathed stems, at rare intervals producing a few fibrous roots. Leaves articulated, those present confined to the upper portion of the stems, numerous, distichous, horizontally spreading, ovate-oblong or elliptic-oblong, about 2.4 cm. long or less, up to 8 mm. wide (the larger and the smaller blades interspersed), rounded at the apex with slightly unequal lobules separated by an apicule, deeply clasping at the base, with the mid-nerve conspicuously sulcate above and carinate beneath. Inflorescences scattered on the upper part of the plant, short, axillary, solitary, 1-flowered, about equaling the leaves. Peduncle adorned with one or two scarious erect acute sheaths. Flower small, membranaceous. Dorsal sepal strongly concave, when expanded ovate-lanceolate, long-acuminate, about 7.9 mm. long and 3.2 mm. wide below, 3- or less distinctly 5-nerved. Lateral sepals obliquely lanceolate or ovate-lanceolate, about 7 mm. long and 2.8–3 mm. wide, long-acuminate with infolded margins, 3- or indistinctly 5-nerved. Petals falcately elliptic-linear, about 6.5 mm. long and 1.2 mm. wide in the middle, complicate-acute, 3-nerved through the lower portion and 1-nerved throughout. Lip rhomboid in outline, subsimple or indistinctly 3-lobed above the middle, 6 mm. long, about 3.7–4 mm. wide across the middle, cuneate toward the base, with the anterior portion subquadrate or subquadrate-ovate, broadly truncate at the apex in the center of which is a dorsal thickening; disc with a fleshy oblong callus extending from near the base to the middle. Column short, abruptly arcuate and somewhat dilated above, 3.2–3.9 mm. long, extended into a foot which is about 2.8 mm. long. Anther conic-hemispherical; pollinia four.

Another collection, (*Brenes 182*) 1378, differs from the type in having larger leaves which extend to about 3.2 cm. in length and 1.1 cm. in width, also in having slightly smaller flowers. It shows a pollen-mass consisting of two pairs of complanate-obovoid pollinia attached to a very short stipe.

This species has much the habit of *Camaridium dendrobioides* Schltr., but has very dissimilar floral segments. It is apparently allied to *Maxillaria linearifolia* A. & S., but differs in having short blunt leaves and much smaller flowers.

COSTA RICA, "Bois. Collines de San Pedro de San Ramon. Alt. 1100 m. 20-IX-1925." *A. M. Brenes* (239) 1427. (TYPE in Herb. Ames No. 43846); "8-VIII-1925. Fleurs. . . en couleur jaune verdâtre pâle. . . le callo de l'etiquette. . . pourpre violacé foncé. Cultivé chez moi." *A. M. Brenes* (182) 1378.