

Pleurothallis monstrabilis Ames sp. nov. Rhizoma longe repens, vaginis scariosis tubulatis instructum. Radices elongatae, fibratae, glabrae, patentes. Caules secundarii valde abbreviati, bractea vaginanti obiecti, monophylli. Folium anguste lanceolatum, apice bidentatum, apiculatum, valde carnosum, subtus rotundatum, supra late sulcatum. Pedunculus folio longior, gracilis, uniflorus, ex axilla folii oriens, bractea spathacea arcte appressa subtentus, supra basim bractea infundibuliformi. Sepala lateralia anguste lanceolata, acuminata, apice subcaudata et valde incrassata, plus minusve cohaerentia, trinervia. Sepalum dorsale simile sed angustius, apice subcaudatum et incrassatum, basi concavum. Petala lineari-lanceolata, supra medium incrassata, margine obscure cellulari-glandulosa, uninervia. Labellum oblongo-lanceolatum, acutum, a latere visum leviter sigmoideum, trinervium, prope basim bicarinatum, callo obtuse triangulari prope medium instructum. Columna carnosae, clinandrio integro.

Roots up to 17 cm. long, fibrous, whitish, smooth, spreading. Rhizome elongated, creeping, 1 mm. thick, green, clothed with rather closely appressed scarios bracts. Secondary stems much abbreviated, 4 mm. long, about 1.5 mm. in diameter, approximate, arising in succession from the upper side of the rhizome, monophyllous, concealed by an ample scarios sheath. Leaf 2-2.5 cm. long, 3-4 mm. wide, narrowly lanceolate, bidentate at the tip, conspicuously apiculate, rounded beneath, widely sulcate above, very fleshy. Peduncle up to 3.5 cm. long, with a closely appressed sheath at the base and with an infundibuliform bract above the base. Pedicel with the ovary about 4 mm. long, subtended by a cucullate acute bract which is 4 mm. long and tubular at the base. Flowers stramineous, conspicuous. Lateral sepals 1.2 cm. long, 2 mm. wide above the base, narrowly triangular-lanceolate, terminating in a thickened subcaudate tip, 3-nerved, coherent, becoming free almost to the base. Dorsal sepal 1.2 cm. long, 1.5 mm. wide, narrowly lanceolate, 3-nerved, thickened toward the tip, subcaudate. Petals 6 mm. long, about 1 mm. wide near the base, linear-lanceolate, 1-nerved, thickened toward the apex, margin inconspicuously cellular-glandulose. Labellum 2.5 mm. long, 1 mm. wide, oblong-lanceolate, acute, somewhat sigmoid when seen from the side, 3-nerved. Disc bicarinate near the base, the keels prominent and converging above; near the middle of the disc there is a thickened callus, obtusely triangular in outline, with its apex pointing toward the tip of the labellum. Column 2 mm. long, very fleshy, with a cucullate entire clinandrium.

In habit this species suggests *Pleurothallis repens* Ames, but is quite distinct from it in the structure of the flower.

COSTA RICA, Vicinity of La Palma, on the road to La Hondura; William R. Maxon & Alfred D. Harvey 8096, July 17-18, 1923. 1500-1700 meters altitude. (TYPE in U. S. Nat. Herb. No. 1180040. DUPLICATE TYPE in Herb. Ames No. 26989.)