

ORCHIDACEAE QUAEDAM AMERICANAE

**Pleurothallis jocolensis** *Ames sp. nov.* Radices fibra-  
tae, albidae. Caules secundarii graciles, monophylli. Folium

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anguste elliptico-oblongum, apice bilobulatum cum apiculo interjecto, basi attenuatum. Pedunculus filiformis, uniflorus, folium excedens. Flores flavidi. Sepala lateralia fere usque ad apicem cohaerentia, laminam anguste ellipticam formantia. Sepalum dorsale basi valde concavum, apice subacutum, quam lamina sepalorum lateralium angustius, trinervium. Petala late et irregulariter obovata, acuminata, acuta. Labellum oblongum, obtusum, apice minute papillosum. Columna utrinque stelidio acuto.

Plants similar in habit to *Pleurothallis Brighamii* S. Wats. Roots fibrous, slender, whitish. Secondary stems caespitose, monophyllous, abbreviated, about 4 mm. long, clothed by three brownish sheaths, the uppermost one of which is dilated, much longer than the others, exceeding the stem and conspicuously nerved. Leaf with the petiole 1.5-3 cm. long, marginate; lamina 1-2 cm. long, 4-6 mm. wide, inconspicuously bilobulate at the tip, with an apicule between the lobules, narrowly oblong-elliptical, fleshy, with the mid-nerve prominent beneath; petiole slender, sulcate. Peduncle solitary at the summit of a secondary stem, 3-4 cm. long, very slender, erect, bearing a single yellow flower. Bracts subtending the pedicel 2.5 mm. long, tubular, dilated upward. Pedicel with the ovary about 9 mm. long, very slender. Lateral sepals 5 mm. long, coherent almost to the tip, forming a narrowly elliptical 4-nerved lamina 1.75 mm. wide, mid-nerve of each sepal forming a conspicuous keel on the outer surface; each member of the synsepalous lamina is apparently 2-nerved, with an inconspicuous nerve near the line of cohesion. Dorsal sepal 5 mm. long, subequal to the laterals, strongly concave at the base, 3-nerved, subacute. Petals about 2.25 mm. long, 1 mm. wide, unequally obovate (the anterior margin more protuberant than the posterior), acuminate, acute, with a posteriorly situated apicule, 1-nerved. Labellum 2 mm. long, oblong-lingulate, ascending from the tip of the column-foot then sharply curved forward, somewhat conduplicate at the base, obtuse and minutely papillose at the apex, ecallose. Column 1.5 mm. long, produced into a foot which is 1 mm. long, 3-toothed at the summit,

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the lateral teeth or stelidia, — one on each side in front, — triangular, acute.

From *Pleurothallis Brighamii* S. Wats., with which it is closely allied, it differs in having smaller flowers, which are more delicate in texture and clear yellow, and in having the lateral sepals coherent nearly to the apex. In *P. Brighamii* each lateral sepal is conspicuously 3-nerved. *P. pyrsoles* Reichb. f. is another closely related species, differing from *P. jocolensis* in having larger flowers and in the lamina formed by the lateral sepals being more deeply bilobed. *P. vilipensa* Reichb. f. is also closely related, but different in the structure of the labellum.

GUATEMALA, Department of Izabal, Jocoló, Rio Perdonalis, *Harry Johnson 1048*, December 25, 1920. Epiphyte in jungle. Flowers yellow. (TYPE in Herb. Ames. No. 22745.)