

***Pleurothallis hirsuticaulis* A. & S. sp. nov.** Herba epiphytica, caespitosa. Caules graciles, vaginis arctis brunneo-pubescentibus omnino obtecti. Folium singulum, elliptico-lineare, erectum. Flos singulus ut videtur, ex caulis summitate oriens. Sepala lateralia oblique ovata, in lamina suborbicularem profunde bidentatam connata. Sepalum dorsale ellipticum, concavum. Petala in circuitu falcato-lanceolata, e parte basali subquadrata in partem anteriorem ligulatam abrupte contracta. Labellum minutum, panduratum, bicallosum.

Plant caespitose, 20 cm. or more tall. Roots fibrous, flexuous, glabrous, stout. Stems up to 21.5 cm. long, slender, erect-spreading from a decumbent base, monophyllous at the apex, entirely concealed by closely clasping tubular sheaths which are densely covered with spreading brown pubescence. Leaf linear-elliptic, 9–10 cm. long, 8 mm. wide in the middle, long acuminate with a minutely tridentate apex, gradually narrowed below to a cuneate sessile base, chartaceous in the dried specimen. Flower apparently solitary in the leaf-axil. Lateral sepals obliquely ovate, connate into a suborbicular lamina which is 7 mm. long to the base, 4-nerved, the sinus between the acute lobes about 3.7 mm. long. Dorsal sepal elliptic, 8.8 mm. long, 5 mm. wide, acute, concave, the marginal area thicker than the central portion, 5-nerved. Petals falcate-lanceolate in outline, slightly exceeding the lateral sepals, arcuate-parallel; basal part subquadrate, about 3.5 mm. long, 3 mm. wide; anterior portion ligulate-oblong, about 5 mm. long, 1.5 mm. wide, rounded at the apex, fleshy. Labellum minute, pandurate-subquadrate in outline, about 3 mm. long, including the very short membranaceous claw, 2.1 mm. wide across the slightly dilated basal portion, abruptly rounded-truncate at the apex, a pair of minute membranaceous auricles at base, lateral margins fimbriate, apical and basal ones shortly ciliate. Disc with a bilobed fleshy thickening in the center of the base, 2 high fleshy prominent keels run from below the middle nearly to the apex, 3-nerved. Column arcuate, about 3.6 mm. long at the back, sharply dentate near the apex, concave in front, the lateral wings extending onto the fleshy concave foot which runs out onto the lamina of the lateral sepals.

*Pleurothallis hirsuticaulis* is closely allied to *P. scandens* Ames, having similar though larger flowers; but it is widely different in its simple stems. It is vegetatively similar to *P. Raymondii* Reichb. f.

This plant was described from a single herbarium specimen.

COSTA RICA, Province of Cartago, Vicinity of Pejivalle, Paul C. Standley & Juvenal Valerio 47052, February 7–8, 1926. About 900 meters altitude. "On tree; flowers dark purple-red." (TYPE in Herb. Ames No. 33372.)