

Pleurothallis guanacastensis A. & S. *sp. nov.* Herba caespitosa. Caules approximati, perbreves, monophylli. Folium spathulatum vel oblanceolatum, ad basim sensim angustatum. Scapi perbreves, filiformes, in apice uniflori vel pauciflori. Sepala lateralia falcato-lanceolata, acuta, ad basim connata. Sepalum dorsale oblongo-lanceolatum. Petala obliquissime pandurata. Labellum oblongum, prope medium utrinque leviter dilatatum, apice late rotundato.

Plant caespitose, 4 to about 9.5 cm. high. Roots fibrous, flexuous, numerous, glabrous. Stems very short, up to 13 mm. long (rarely longer), monophyllous, entirely concealed by 2 loose tubular imbricating sheaths which waste into fibers in anthesis. Leaf spatulate to oblanceolate, very gradually narrowed to a slender indistinctly petioled base, very variable in size, 2.8–8.5 cm. long, up to 2.1 cm. wide above the middle, obtuse or subacute, minutely tridenticulate at the apex, mid-nerve more or less sulcate above and carinate beneath, chartaceous or coriaceous. Scapes very short, up to 2.5 cm. long including the approximate pedicels at the summit, commonly 1–2 to a stem, much shorter than the leaf, filiform. Flowers 1–6 in a congested cluster, each pedicel surrounded by an infundibuliform scarious bractlet. Lateral sepals falcate-lanceolate, shortly connate near the base, about 9 mm. long, 2.7 mm. wide near the point of union, sharply acute, 3-nerved, mid-nerve carinate on the outer surface. Dorsal sepal lanceolate-oblong, about 10 mm. long, 4 mm. wide, subacute, 3-nerved, all the nerves carinate dorsally, concave near the base. Petals very obliquely pandurate, 4.5–4.9 mm. long, acute, the upper part of the anterior margin dilated, 3-nerved. Labellum in natural position gently recurved with the sides incurved; lamina when expanded oblong, gently dilated in the middle, 4.2–4.8 mm. long, about 2 mm. wide in the center, broadly rounded at the apex, biauriculate at base with small spreading auricles, anterior margins—increasingly toward the apex—shortly ciliate. Disc 3-nerved, fleshy except at the very base, minutely papillose within except at the base, indistinctly bicarinate just beyond the middle near the margins. Column shorter than the petals, arcuate, winged above with wing 3-dentate at the apex and the lateral teeth sharp, extended into a broad excavated foot which runs onto the united portion of the lateral sepals.

Pleurothallis guanacastensis has two close allies, *P. pyrsoles* Reichb. f. and *P. fulgens* Reichb. f. It differs from *P. pyrsoles* in having scapes which are much shorter than the leaf and are often several-flowered, somewhat dissimilar petals and auricled lip. It is outwardly very like *P. fulgens*, but it has differently formed petals and lip. *P. acrisepala* A. & S. has sharper sepals and petals, 2-nerved petals and dissimilar lip.

This species was described from dried specimens together with fresh flowers preserved in alcohol.

COSTA RICA, Province of Guanacaste, Quebrada Serena, Southeast of Tilarán, *Paul C. Standley & Juvenal Valerio* 46304, January 27, 1926. About 700 meters altitude. "On tree; flowers red-orange." (TYPE in Herb. Ames No. 31694); *Standley & Valerio* 46279: Province of Guanacaste, Los Ayotes, near Tilarán, *Standley & Valerio* 45445, January 21, 1926. 600–700 meters altitude. "On tree; flowers orange-yellow"; *Standley & Valerio* 45471. "On tree; flowers deep orange"; *Standley & Valerio* 45504. "On tree; flowers orange-red."