

**Pleurothallis chavezii** Luer, *sp. nov.* TYPE: COSTA RICA. Guanacaste: epiphytic in Parque Nacional Guanacaste, Estación Biológica Volcán, Estación Pitilla, alt. 1100 m, 24 Oct. 1990, C. Chávez 438 (Holotype: K; Isotypes: CR, MO). Fig. 13.

Inter species sectionis *Macrophyllae-Fasciculatae* planta grandis caespitosa, folio ovato acuto profunde cordato, flore mediocris, sepalo dorsali late elliptico obtuso concavo trinervo, synsepalo oblongo acuto, petalis anguste oblongis acutis minute denticulatis cum lobo basali, labello anguste subpandurato acuto basi dilatato cum glenioni maximo distinguitur.

**Plant** large, epiphytic, caespitose; roots numerous, slender. Ramicauls slender, erect, 15–26 cm long, with a close, tubular sheath on the lower third and 2 other sheaths at the base. **Leaf** suberect, coriaceous, ovate, acute, 8–12 cm long, 4–5.5 cm wide, the base sessile, deeply cordate. **In-florescence** a fascicle of successive, single, bilabiate flowers, subtended by a spathe 11–13 mm long; peduncles 1–3 mm long, concealed within the sheath; floral bracts tubular, 10 mm long; pedicels 12–15 mm long; ovary 4 mm long; **sepals** red-purple, glabrous, the dorsal sepal broadly elliptical, obtuse, 8.5 mm long, 6.5 mm wide expanded, 3-veined, the lateral sepals connate into an oblong, acute synsepal, 8.5 mm long, 3 mm wide, 6-veined; **petals** brown, narrowly elliptical-oblong, acute, minutely denticulate, 6.5 mm long, 1.5 mm wide, 1-veined, narrowed above the base, with a basal lobule lying adjacent to the column; **lip** narrowly subpandurate, acute, 4.25 mm long, 1.5 mm wide at the base, narrowed to 0.75 mm above the base, the basal fourth filled with a shallow, circular concavity, with a minute callus on the anterior margin, truncate, with a deflexed claw, hinged to the column-foot, the undersurface with a thickening along the midvein, greatest above the middle; **column** 1 mm long, 1.5 mm wide, the foot broad, with the anther, rostellum and stigma apical.

**ETYMOLOGY:** Named for Carlos Chávez who discovered this species.

Vegetatively this species is indistinguishable from many others of section *Macrophyllae-Fasciculatae* with an ovate, acute, deeply cordate leaf borne by a longer ramicaul. The flowers are of average size for the section with a broadly elliptical, concave, three-veined dorsal sepal as long as the narrow, acute synsepal. The petals are narrowly elliptical, acute and minutely denticulate with a lobule at the base. The lip is narrowly pandurate, acute at the apex, narrowed above the dilated base. The basal fourth is filled with a shallow, circular cavity.