

sheaths. **Leaf** erect, coriaceous, obovate, obtuse, petiolate, 10–14 mm long, 3.5–4.5 mm wide, cuneate below into a slender petiole 3–5 mm long. **Inflorescence** a single flower borne by a slender, erect peduncle 8–12 mm long, emerging laterally from the ramicaul; floral bract 1 mm long; pedicel 0.75 mm long with a filament 0.75 mm long; ovary echinate, 0.5 mm long; **sepals** translucent yellow, glabrous, with the dorsal sepal elliptical, concave, 4.5 mm long, 2.5 mm wide, 3-veined, the apex subacute, contracted into a filiform tail 6 mm long, with the lateral sepals connate 3 mm into an oblong lamina ca. 5 mm long, 3 mm wide, with the apices acute, acuminate into filiform tails ca. 5 mm long; **petals** translucent yellow, obovate with the labellar margin dilated, 2 mm long, 0.8 mm wide, with the apex obtuse, microscopically erose; **lip** purple, thick, arcuate, elliptical, 3 mm long, 1.5 mm wide, with the apex rounded, shallowly sulcate centrally between calli within the margins near the middle, with the rounded base hinged to the column-foot; **column** longitudinally winged in the distal three fourths, 1 mm long, with the apex minutely denticulate, the foot 1.5 mm long, with the anther dorsal and the stigma apical.

ETYMOLOGY: Named for Volcán Turrialba where this species was discovered.

This species is similar to *P. fuegii* Rchb.f. var. *echinata* L.O. Williams., but it is distinguished by the single-flowered inflorescence; a shorter, densely echinate ovary; longer, filiform tails of the sepals; and a non-unguiculate lip.

**Pleurothallis turrialbae** Luer, *sp. nov.* TYPE: COSTA RICA. Cartago, epiphytic in cloud forest on Volcán Turrialba, alt. 2000 m, 17 Mar, 1986, C. Luer, J. Luer, D. Mora de Retana & D. Dod 12093 (Holotype: MO). Fig. 28.

Planta perparva caespitosa, inflorescentia uniflora folio obovato brevior, sepalo dorsali elliptico concavo longicaudato, sepalis lateralibus supra medium in laminam oblongam connatis apicibus acutis longicaudatis, petalis obovatis obtusis, labello crasso arcuato elliptico obtuso cum disco bicalloso leviter sulcato.

**Plant** very small, epiphytic, caespitose; roots slender but comparatively thick. Ramicauls erect, slender, 2–3 mm long, enclosed by 2 thin, tubular

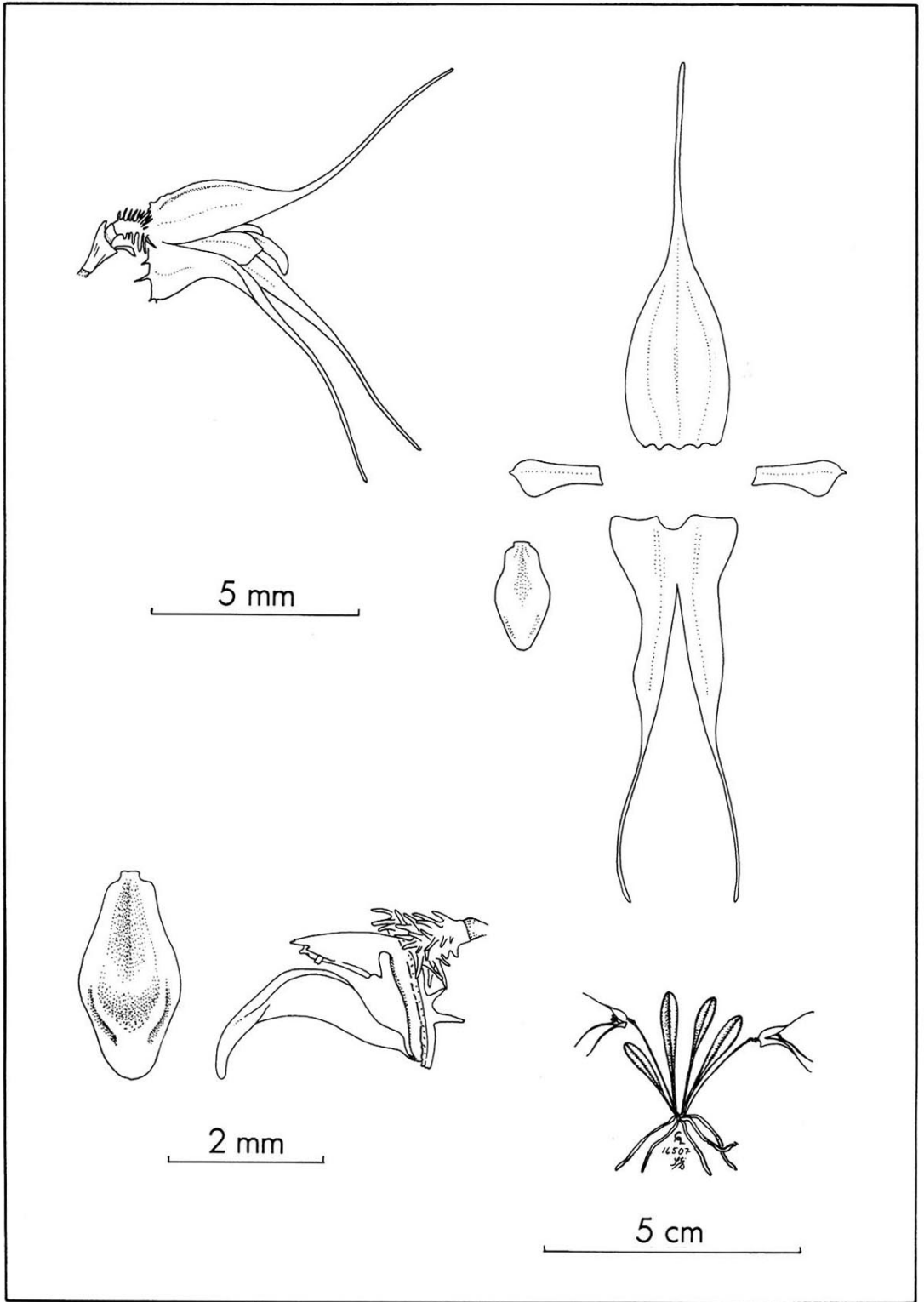


Fig. 28. *Pleurothallis turrialbae*