

guste ovatis acutis, labello anguste oblongo obtuso, supra medium canaliculato, infra medium tereti verruculoso basi bilobulato.

Plant very small, epiphytic, shortly repent, caespitose; roots slender. Ramicauls short, erect, 3–6 mm long, enclosed by 2 tubular sheaths. **Leaf** erect, coriaceous, elliptical, obtuse, subpetiolate, margined, 10–18 mm long, 4–6 mm wide, cuneate below into the subpetiolate base. **Inflorescence** a congested, successive, 2- to 3-flowered raceme, ca. 5 mm long including the peduncle 2–2.5 mm long, from the ramicaul; floral bracts imbricating, 1 mm long; pedicels 1 mm long; ovary 0.75 mm long; **sepals** yellow-orange, glabrous, the dorsal sepal ovate-triangular, acute, 3.5 mm long, 1.25 mm wide, 3-veined, the lateral sepals narrowly ovate-triangular, oblique, acute, 4 mm long, 1 mm wide, 3-veined, connate only at the base where they form a small mentum below the column-foot; **petals** described as dark burgundy, narrowly ovate, acute, 3 mm long, 0.6 mm wide; **lip** fleshy, narrowly oblong, obtuse, 2.5 mm long, 0.5 mm wide, slightly dilated above the middle and longitudinally channeled, terete and verruculose below the middle, the base delicately hinged to the column-foot between membranous lobules; **column** semiterete, long-denticulate at the apex, 1.5 mm long, the foot 0.75 mm long, the anther and stigma hooded and ventral.

ETYMOLOGY: Named in honor of Michael Grayum of the Missouri Botanical Garden who discovered this species.

This small species of subgenus *Specklinia* section *Muscosae* is apparently rare, known only from the original collection. It is distinguished by obovate leaves borne by abbreviated ramicauls. The inflorescence is a very short, successively few-flowered raceme. The sepals and petals are acute. The lip is narrowly oblong, channeled above the middle, and terete and verruculose below the middle. The base is minutely bilobulate.

Pleurothallis grayumii Luer, *sp. nov.* TYPE: COSTA RICA. Puntarenas: Cantón Brus, along Río Jaba, downstream from Jardín Botánico Robert y Catherine Wilson, alt. 1000–1100 m, 22 Jan. 1989, M. Grayum & T. Gruner 9270 (Holotype: CR; Isotype: MO). Fig. 16.

Planta parvula ramicaulibus brevissimis, racemo brevissimo paucifloro, sepalis petalisque an-

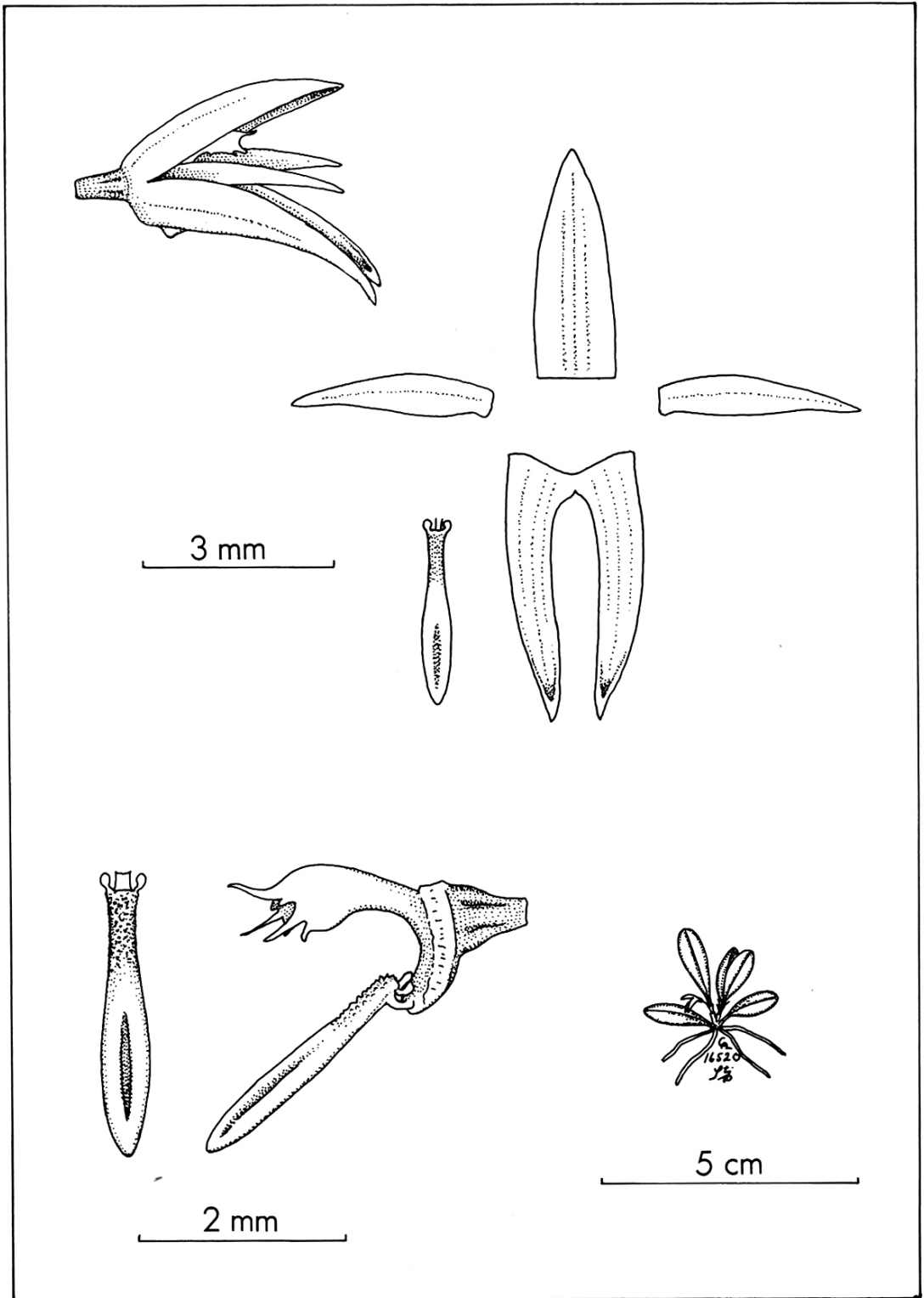


Fig. 16. *Pleurothallis grayumii*