

***Pleurothallis endresii* Luer, sp. nov.**

Ety.: Named in honor of A.R. Andres, nineteenth century collector and illustrator of Costarican orchids.

Inter species sect. *Muscosae*, subgen. *Speckliniae* species longirepens foliis ellipticis racemo paucifloro longiore, sepalis acutis liberis sparse ciliatis, petalis oblongis ad apicem serrulatis, et labello anguste ovato carinato marginibus denticulatis basi bilobulato distinguitur.

Plant small, epiphytic, long-repent, up to 10 cm long, the rhizome stout, 4-5 mm long between ramicauls, enclosed by 2 tubular sheaths; roots produced along the rhizome. Ramicauls suberect, 3 mm long, enclosed by a tubular sheath. Leaf erect, coriaceous, elliptical to narrowly obovate, 15-22 mm long, 4-5 mm wide, subacute to obtuse at the apex, narrowly cuneate below into an indistinct petiole ca. 3 mm long. Inflorescence a successive, 3- to 4-flowered raceme, ca. 5 mm long including the peduncle 2 mm long, borne laterally from the ramicaul; floral bract infundibular, 1 mm long; pedicel 1 mm long; ovary 1 mm long; sepals appear to have been purple, minutely ciliate, thickened above the middle, the dorsal sepal narrowly ovate, acute, 5.5 mm long, 1.5 mm wide, 3-veined, the lateral sepals connate 1 mm at the base, narrowly oblong-ovate, acute, 6 mm long, 1.25 mm wide, 3-veined; petals oblong, 2 mm long, 0.75 mm wide, 1-veined, serrate at the subacute apex; lip narrowly ovate, narrowly rounded at the apex, 3 mm long, 0.5 mm wide, the margins ciliate-denticulate, the disc longitudinally carinate on lower half, the carina bifurcated above the base, the base membranously bilobulate, hinged to the column-foot; column semiterete, 2 mm long, long-denticulate at the apex, the anther, rostellum and stigma hooded and ventral, the foot concave.

COSTA RICA: Cartago: Pizirres, along road to San Cristobal, ca. 1867, A. Endres 555 (Holotype: W), C. Luer illustr. 18576.

This small species, collected by Endres in the nineteenth century and identified by someone other than Reichenbach as *P. sertularioides* (Sw.) Spreng., was found in Reichenbach's herbarium at W. Neither description nor illustration by Endres has been seen. I know of no recent collection.

*Pleurothallis endresii* is distinguished by a repent habit, erect elliptical leaves borne by much shorter ramicauls from which a short, successively few-flowered raceme arises, as seen in *P. polygonoides* Griseb. The dorsal sepal is free, but the laterals are connate basally. The sepals are narrow and ciliate; the petals are oblong and serrate toward the apex; and the narrowly ovate lip is denticulate with a bifurcated callus below the middle, and bilobulate at the base.

