

***Trisetella nodulifera* Luer & Hirtz, sp. nov.**

Ety.: From the Latin *nodulifer*, "bearing a nodule," in reference to the apex of the lip.

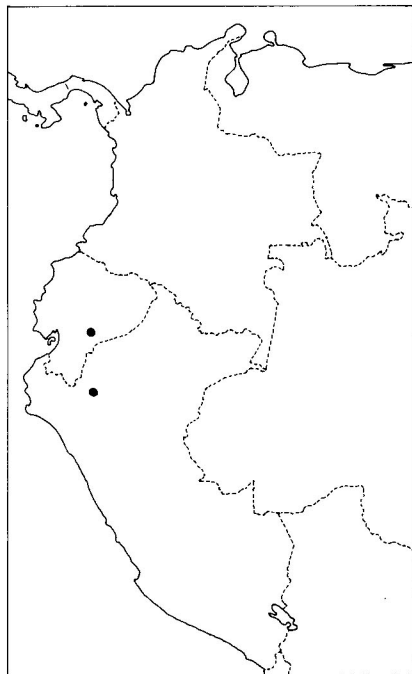
Inter species generis *Trisetellae* Luer species haec pedunculo glabro, sepalorum caudis longi-capillaribus et labello apice nodulifero differt.

**Plant** small, epiphytic, densely caespitose; roots slender. Ramicauls 3-5 mm long, enclosed by 2-3 thin, tubular sheaths. **Leaf** erect, thickly coriaceous, semiterete, channeled, narrowly elliptical to linear, acute, 2.5-4 cm long, 2-2.5 mm wide. **Inflorescence** a successively few-flowered, congested raceme borne by a slender, smooth, erect peduncle 4-6 cm long, with a bract below the middle, from low on the ramicaul; floral bracts 3-4 mm long; pedicel 5 mm long; ovary 1.5-2 mm long, lightly verrucose; **dorsal sepal** yellow, suffused with tan, microscopically ciliate on the margins, transversely ovate, concave, 4 mm long, 5-7 mm wide, connate to the lateral sepals for 2-2.5 mm to form a gaping, sepaline cup, the obtuse apex conduplicate, contracted into an erect, more or less reflexed, slender, terete, yellowish tail 20-25 mm long; **lateral sepals** red-brown, connate into an oblong, acute, longitudinally concave or boat-shaped lamina 19-21 mm long, 6-9 mm wide expanded, the apices contracted laterally, 3 mm below the apex into subapical, slender tails 12-15 mm long; **petals** translucent greenish white with a purple midvein, oblong, 2.5-3 mm long, 1-1.5 mm wide, the apex truncate, apiculate; **lip** red, or white suffused with red, subpandurate, 3-4 mm long, 1.5 mm wide, the apex rounded with a prominent nodule on the dorsum, the disc with a low pair of longitudinal calli, channeled between, the base cordate-cleft, hinged to the compressed apex of the column-foot; **column** green, semiterete, 3-3.5 mm long, the foot 1 mm long.

ECUADOR: Prov. of Morona-Santiago: Cordillera del Cutucú, epiphytic along the new road east of Mendez to Morona, alt. 900 m, 19 Jan. 1989, A. Hirtz, A. Andretta & S. Ortega 4120 (Holotype: MO), C. Luer illustr. 14367.  
PERU: Dept. of Amazonas: B. Würstle 1342, flowered in cultivation in Spielberg, 13 Sept. 1982, C. Luer 8139 (SEL).

In appearance this species is similar to *Trisetella triaristella* with large flowers with long, slender, tails, but the peduncle is smooth instead of verrucose. The most distinguishing feature is the subpanduriform lip with a conspicuous, rounded callus on the center of the rounded apex.

This species is known from southeastern Ecuador in the Cordillera del Cutucú and Amazonian Peru.



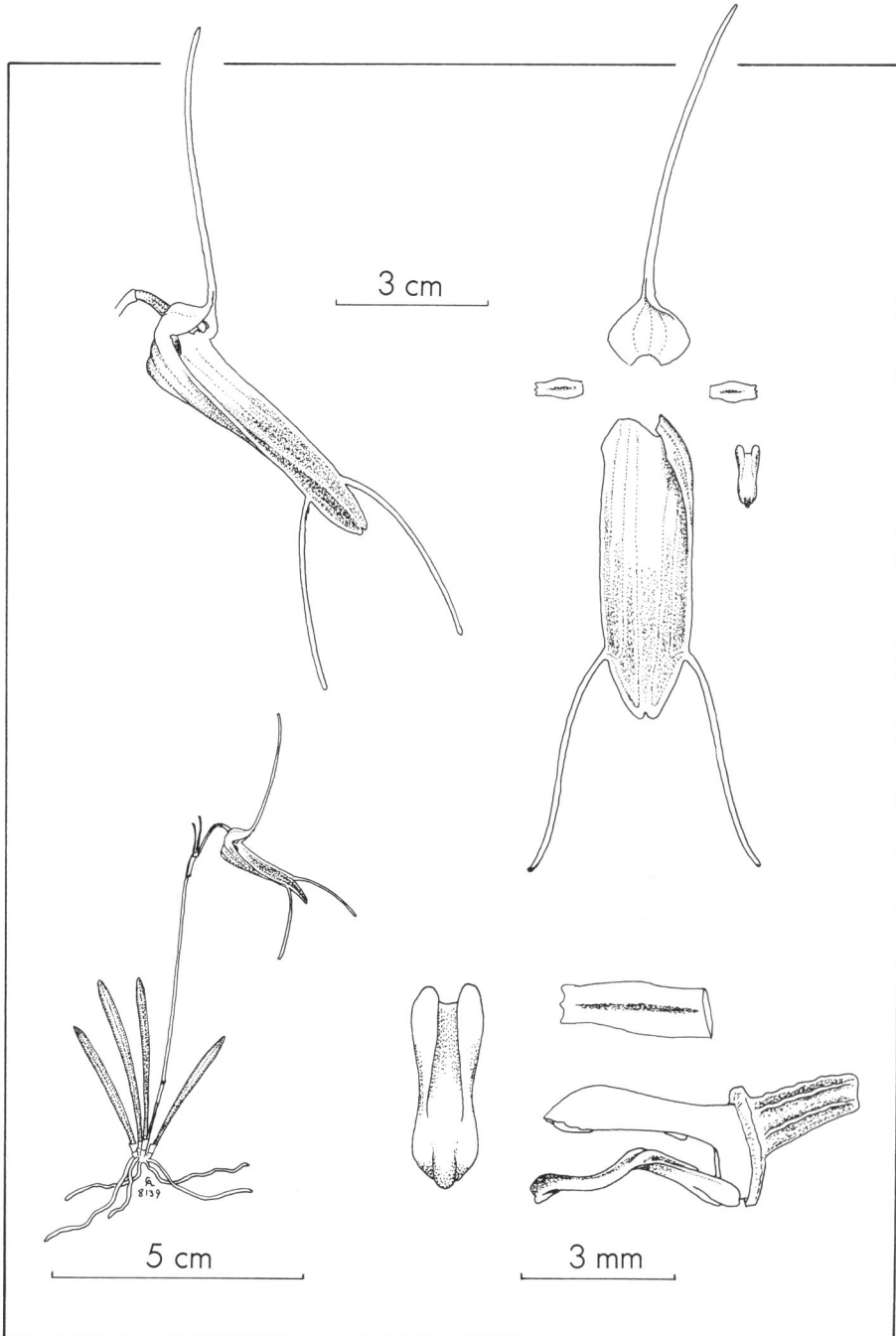


Plate 11. *Trisetella nodulifera* Luer & Hirtz