

**Lepanthes davidsei** Luer, *sp. nov.* TYPE: COSTA RICA. Limón: Cordillera de Talamanca, Atlantic slope, Cerros Talaria, alt. 2400–2600 m, 10 Sept. 1984, *G. Davidse, G. Herrera & M. Grayum 28801* (Holotype: MO; Isotype: CR). Fig. 3.

Species haec *L. myiophorae* Luer affinis, sed habitu multimajore, racemo disticho congesto foliis ovatis acuminatis multilongiore, sepalis angustissime triangularibus integris, petalis transverse anguste oblongis, labelli lobis flabelliformibus marginibus incrassatis columnam amplectentibus distinguitur.

**Plant** small to medium in size, epiphytic, caes-

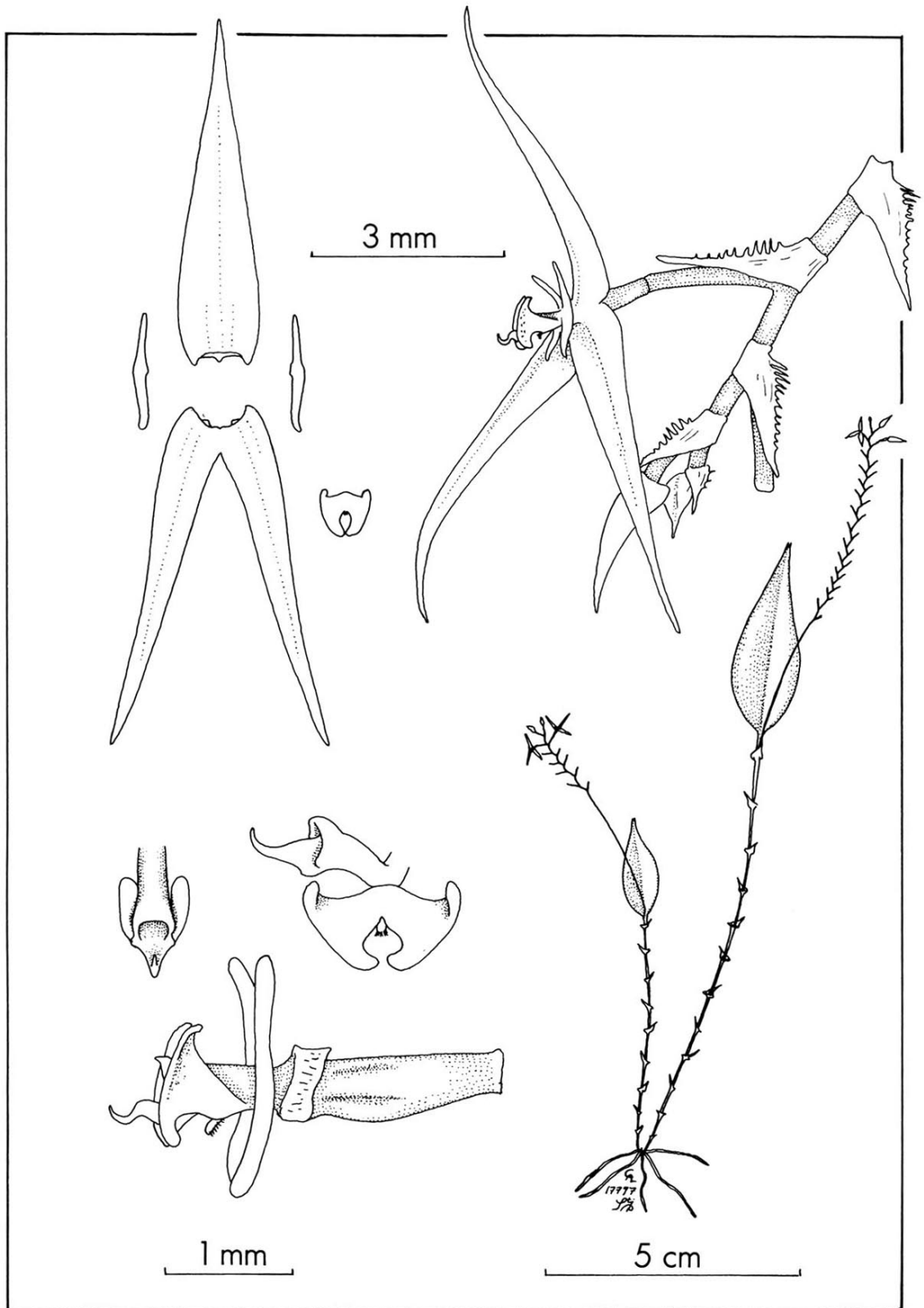


Fig. 3. *Lepanthes davidsei*

pitose; roots slender. Ramicauls slender, erect, 4–8 cm long, enclosed by 8–12 minutely ciliate, lepanthiform sheaths with oblique, dilated ostia. **Leaf** erect, coriaceous, elliptical-ovate, acute, lightly acuminate, 2–4 cm long, 1–1.5 cm wide, cuneate below into a petiole 2–3 mm long. **Inflorescence** a congested, distichous, successively many-flowered raceme 4–8 cm long including the peduncle 2–3 cm long, borne beyond the leaf; floral bracts 2.5 mm long, spiculate; pedicels 2.5 mm long; ovary 1.5 mm long; **sepals** dark red, yellow toward the base, entire, carinate, narrowly triangular, acute, the dorsal sepal 5–6 mm long, 1.25 mm wide, connate 0.25 mm to the lateral sepals, the lateral sepals oblique, 5–5.5 mm long, 1 mm wide; **petals** yellow, microscopically pubescent, transversely narrowly oblong, 0.2 mm long, 2 mm wide, the lobes subequal; **lip** yellow, bilobed, 0.8 mm long, the lobes flabellate with the margins of the broad connectives thickened, embracing the apex of the column, the apices and bases rounded, the connectives cuneate, the body connate to the column above the base, the sinus acute with the appendix ovoid, ciliate; **column** cylindrical, 1 mm long, with the anther and the stigma apical.

ETYMOLOGY: Named in honor of G. Davidse, of the Missouri Botanical Garden, who discovered this species.

This species is closely related to the vegetatively smaller *L. myiophora* Luer. Besides the much larger habit, *L. davidsei* is distinguished by the entire, smooth sepals; subequal, narrowly oblong petals; much shorter connectives with the blades merely marginal thickenings; and an ovoid, ciliate appendix.

PARATYPE: COSTA RICA. Limón: Valle de Silencio, alt. 2350–2450 m, 8 Sept. 1984, *G. Davidse*, *G. Herrera* & *M. Grayum* 28648 (CR, MO).