



Fig. 8. *Pleurothallis applanata* Luer & Dalström.

longo-ovato obtuso tenui minute verrucoso et columna applanata distinguuntur.

Plant medium in size, epiphytic, caespitose; roots slender. Ramicauls slender, erect, 9–12 cm long, with a close, tubular sheath on the lower fourth and 2 other sheaths at the base. **Leaf** erect, coriaceous, ovate, acute, 5–7.5 cm long, 2.4–3.2 cm wide, the base sessile, cordate. **Inflorescence** a fascicle of successive, single, flat flowers, subtended by a spathe 6–7 mm long; peduncles 1–2 mm long, concealed within the sheath; floral bracts tubular, 4–5 mm long; pedicels 5 mm long; ovary 3.5 mm long; **sepals** brown, glabrous, the dorsal sepal elliptical, acute, 10 mm long, 3.6 mm wide, 3-veined, the lateral sepals connate into an ovate, subacute synsepal, 9.5 mm long, 6 mm wide, 6-veined; **petals** brown, narrowly linear-triangular, acute, entire, 6.75 mm long, 1 mm wide, 1-veined; **lip** dark purple, oblong-ovate, obtuse, 4.5 mm long, 2.2 mm wide, the surface slightly concave, diffusely minutely verrucose, the base subtruncate with a medium-sized glenion, flattened on the end with a short, deflexed claw, hinged to the column-foot; **column** flat with the surface of the lip, 1 mm long, 1.5 mm wide, the foot thick, obsolescent, with the anther, rostellum and stigma apical.

ETYMOLOGY: From the Latin *applanatus*, “flattened horizontally,” referring to the column, flat with the lip.

Vegetatively this species of section *Macrophyllae-Fasciculatae* is similar to many others: an ovate, acute, cordate leaf borne by a longer ramicaul. The flowers are of average size for the section with an elliptical, acute, three-veined dorsal sepal as long as the wider, subacute synsepal. The petals are entire and subulate. The thin, flattened, oblong-ovate, minutely verrucose lip is slightly concave and it lies flat within a slightly concave synsepal. The most distinctive, flat column lies in the same plane as that of the surface of the lip.

Pleurothallis applanata Luer & Dalström, *sp. nov.* TYPE: ECUADOR. Morona-Santiago: epiphytic in forest north of Gualaquiza, alt. 1800 m, 17 Jan. 1986, S. Dalström & T. Höijer 1060 (Holotype: MO). Fig. 8.

Inter species sectionis *Macrophyllae-Fasciculatae* planta mediocris caespitosa, ramicaulibus gracilibus folio ovato acuto cordato longioribus, floribus complanatis, sepalo dorsali elliptico acuto trinervo, synsepalo ovato subacuto, petalis angustissime triangularibus acutis integris, labello ob-