

***Lepanthes umbonifera*** Endres ex Luer, *sp. nov.* TYPE: COSTA RICA. Without locality, Oct., ca. 1867, A. Endres *s.n.*, figure 67 (Holotype: W). Fig. 24.

Planta parva caespitosa, racemo folio ovato acuto brevior, sepalis brunneis ovatis acutis denticulatis, petalorum lobo superiore cuneato, lobo inferiore subnullo, labelli lamina ovatis base leviter umbonatis, appendice minuta.

**Plant** small, epiphytic, caespitose; roots slender. Ramicauls slender, "nodding or prostrate," 3.5–5 cm long, enclosed by 6–8 closely fitting lepanthiform sheaths with oblique microscopically scabrous ostia. **Leaf** dark purplish green, purple beneath, erect in relation to the ramicaul, coriaceous, ovate, acute, 27 mm long, 12–14 mm wide, the base broadly cuneate into a petiole ca. 1 mm long. **Inflorescence** a subcongested ("not very close"), 10- to 12-flowered raceme borne on the "face" of the leaf by a filiform peduncle 12–18 mm long; floral bracts 1.5 mm long, muricate; pedicels 3 mm long; ovary 1 mm long; **sepals** brown, denticulate, 3-carinate-spiculate, ovate-triangular, acute, the dorsal sepal 3 mm long, 1.8 mm wide, connate to the lateral sepals for 0.5 mm, the lateral sepals oblique, 3 mm long, 1.5 mm wide, connate 1 mm; **petals** intense cinnabar red, microscopically pubescent, transversely bilobed, ca. 1.5 mm broad, the upper lobe cuneate, truncate, ca. 0.5 mm wide at the apex, the lower lobe minute, triangular; **lip** paler cinnabar red, bi-

lamine, the blades microscopically pubescent, ovate, ca. 0.5 mm long, the apex obtuse, incurved, the base rounded, "rather angled" (umbonate), the connectives oblong, ciliate, the body narrow with a minute, globular appendix in the acute sinus, connate to the base of the column; **column** violet, semiterete, ca. 1 mm long, the anther and the stigma apical.

**ETYMOLOGY:** From the Latin *umbonifer*, "bearing rounded elevations," referring to the blades of the lip.

Although described and illustrated in minute detail, Endres failed to indicate the locality where this unique, "very scarce" species was discovered. It is presently known only by Endres' illustrations and descriptions which are preserved in Reichenbach's herbarium at Vienna. His notes did not carry an intended name. A search through all Endres' collections failed to uncover a specimen. Because of its rarity, a specimen may never have been sent to Reichenbach. To my knowledge, no subsequent collection has been made.

The accompanying description was made from Endres' notes. The illustration was inked directly from his original. His illustration of the habit is considerably smaller than the dimensions given in the description. The flowers were noted to be about "one-fourth of an inch long," about 6 mm, so each of the ovate, denticulate sepals would be about 3 mm long. The upper lobe of the petals is cuneate with the lower lobe a minuscule lobule. The blades of the lip are ovate with the bases apparently with uneven, rounded elevations, a condition unknown in any other species of the genus.

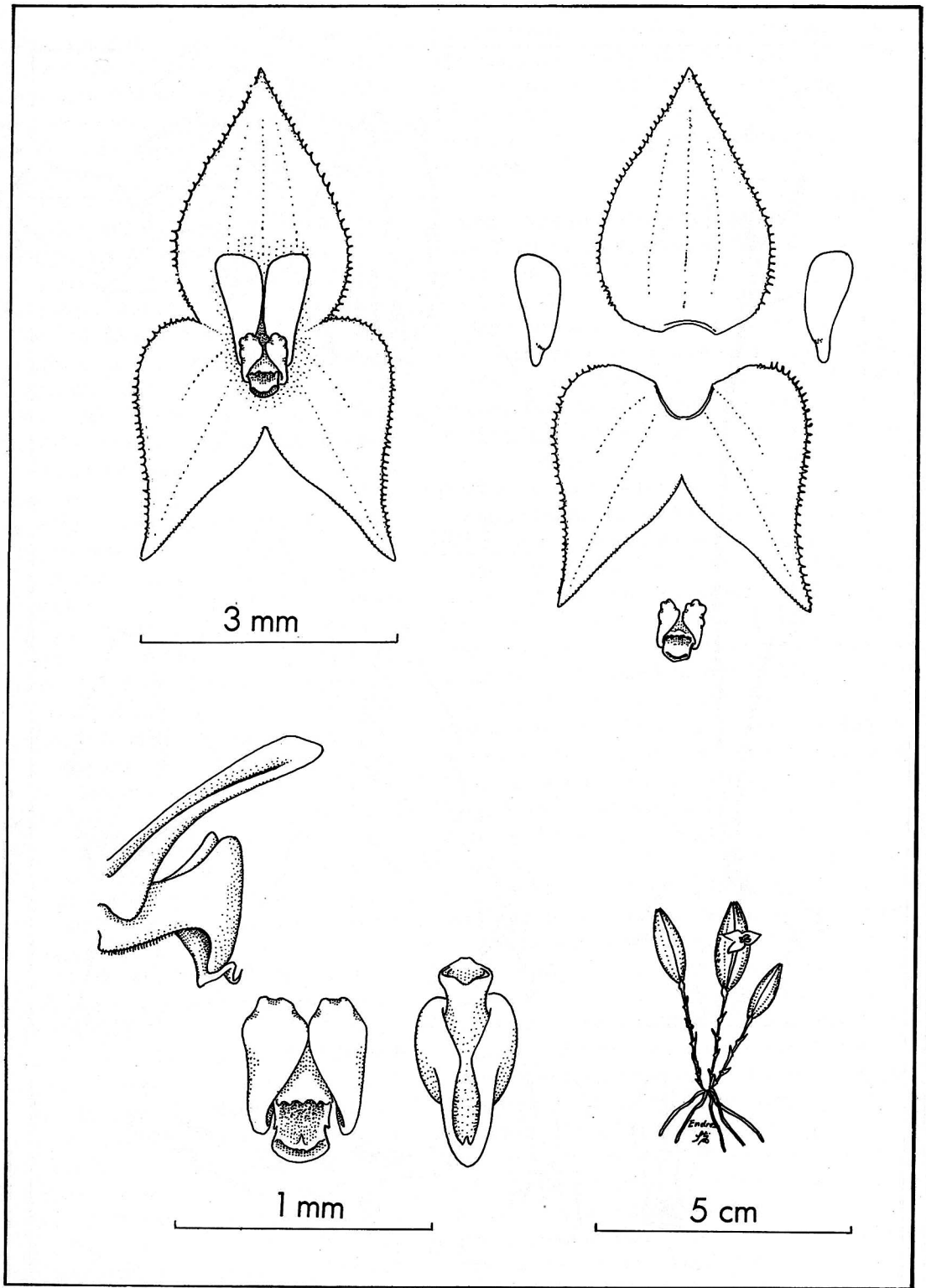


Fig. 24. *Lepanthes umbonifera* Endres ex Luer.