

Lepanthes estrellensis Ames *sp. nov.* Radices fibratae. Caules secundarii caespitosi, erecti vel ascendentes, vaginis breviter muricatis vestiti, monophylli. Vaginae elongatae, arcte appressae, apice marginatae, vix dilatatae. Folium ellipticum, apice tridenticulatum, basi breviter conduplicatum. Pedunculi plus minusve duo, folio breviores. Bractee inflorescentiae scariosae, valde ciliato-glandulosae. Pedicelli distichi, rigidi, persistentes, bracteis multo longiores. Sepala lateralialia usque ad medium cohaerentia, ovato-lanceolata, acuta, laminam latam ovatam bilobam formantia, glabra. Sepalum dorsale oblongo-ovatum, breviter acuminatum, acutum, trinervium, glabrum. Petala bilobata, lobis subaequalibus divaricatis obtusis, glabra, margine inconspicue et minute glanduloso-ciliata. Labellum bilobatum, lobis subreniformibus, lobo medio ut videtur obsoleto. Columna usque ad apicem dilatata.

Secondary stems up to 9 cm. long, clothed throughout their length with shortly muricate sheaths, monophyllous. Sheaths about six, closely appressed, 1.5 cm. long, dilated at the tip, the triangular-acute apex marginate. Leaf 4-5 cm. long, up to 2.6 cm. wide, elliptical, tridenticulate at the apex, coriaceous. Peduncle with the raceme about 2 cm. long, slender. Raceme 5 mm. long, more or less, with scarious, glandulose bracts. Pedicels about 2 mm. long, distichous. Flowers opening in succession. Lateral sepals about 6 mm. long, united to about the middle, 5 mm. wide near the base, the free portion 3 mm. wide. Dorsal sepal 5.5 mm. long, 4 mm. wide, united at base with the lateral sepals. Petals bilobed, the lobes oblong obtuse and obliquely divaricate, the anterior lobe 4 mm. long, 1 mm. wide, the posterior one 4.5 mm. long and 1 mm. wide. Labellum bilobed, the middle lobe apparently obsolete, lobes reniform, 3 mm. long, 2 mm. wide. Column 2 mm. long, dilated toward the summit.

Plant similar to *Lepanthes eciliata* Schltr., from which it differs in having muricate sheaths on the secondary stems and dissimilar periarth segments.

COSTA RICA, Cartago, La Estrella, C. H. Lankester & Alfredo Sancho 385, January 9, 1923. Bracts of the stem blackish. Sepals pale hyaline green, labellum and lobes of the column pale yellowish green, front of column and central portion of the two lower lobes of the labellum red-purple. (TYPE in Herb. Ames No. 23602.)