

LEPANTHES rotundifolia L. O. Williams, sp. nov. (pl. 31, figs. 9–11). Herbae caespitosae, epiphyticae, parvae, usque ad 8 cm. altae. Caulis gracilis, unifoliatus. Folia orbicularia vel orbiculari-ovata, coriacea. Inflorescentia disticha, quam folia brevior, pauciflora. Sepalum dorsale suborbiculare, obtusum vel acutum, trinervium, ad basim connatum. Petala trilobata; lobus prope sepalum dorsale longior, lanceolatus, acutus, obliquus, uninervius; lobus prope sepala lateralia lanceolatus, acutus, obliquus, uninervius. Labellum bilobatum, lobis malleoliformibus. Columna generis.

Small caespitose, epiphytic herbs up to 8 cm. tall. Secondary stems slender, covered by sheaths, bearing a single leaf at their apices; sheaths glabrous except the ciliate margins. Leaves about 25 mm. long and 19–28 mm. broad, orbicular or orbicular-ovate, or even broader than long, coriaceous. Inflorescence distichous, shorter than the subtending leaf, few-flowered. Dorsal sepal about 3 mm. long and 2 mm. broad, suborbicular, abruptly acuminate, 3-nerved. Lateral sepals about 2.5 mm. long and 2 mm. broad, suborbicular, obtuse or acutish, 3-nerved, connate at their bases. Petals bipartite; lobes near the dorsal sepal longest, about 3.5 mm. long and 1 mm. broad, lanceolate, acute, oblique, 1-nerved; lobes near the lateral sepals about 2 mm. long and 0.8 mm. broad, lanceolate, acute, oblique, 1-nerved. Lip 2-lobed, about 1.5 mm. long and 2 mm. broad, each lobe malleoliform. Column about 1.5 mm. long, clavate.—COCLÉ: epiphytic, wet north rim, vicinity of El Valle, 800–1000 m. alt., May 21, 1939, *Allen 1835* (Herb. Missouri Bot. Gard., TYPE).

Lepanthes rotundifolia is somewhat allied to *L. Turialvae* Rchb. f., from which it differs in the broader leaves and shape of petals, as well as other characters.

EXPLANATION OF PLATE

PLATE 31

Figs. 1-8. *Masdevallia simula* Rehb. f.: fig. 1, plant, $\times 2$; fig. 2, plant, $\times 1$; fig. 3, flower, $\times 5$; fig. 4, lip spread out, $\times 10$; fig. 5, lip in natural position, $\times 10$; fig. 6, petal, $\times 5$; fig. 7, column and column-foot, $\times 5$; fig. 8, apex of leaf, $\times 5$.—Drawn from *Allen 2115*.

Figs. 9-11. *Lepanthes rotundifolia*: fig. 9, plant, $\times 1$; fig. 10, flower, $\times 5$; fig. 11, lip, $\times 10$.—Drawn from the type.

Figs. 12-16. *Masdevallia Allenii*: fig. 12, plant, $\times 1$; fig. 13, flower, from the side, $\times 2$; fig. 14, lip, $\times 5$; fig. 15, petals, $\times 10$; fig. 16, column and column-foot, $\times 10$.—Drawn from the type.

