

Epidendrum reflexum A. & S. *sp. nov.* Herba caespitosa. Caules vaginis omnino inclusi, prope basim aphylli. Folia disticha, lanceolata vel oblongo-lanceolata, prominenter acuminata, quam inflorescentia paulo longiora. Pedunculus trivaginat. Flores pro sectione parvi. Sepala lateralia oblanceolato-oblonga, acuta, valde carinata. Sepalum dorsale anguste ellipticum. Petala filiformia. Labellum trilobatum; lobi laterales transverse oblongi; lobus medius in lobulos lineares transverse divergens.

Plant caespitose, about 27 cm. tall, the stems strongly arcuate (in our specimen). Roots numerous, fibrous, flexuous, glabrous, longitudinally sulcate when dry. Stems entirely invested by sheaths, leafless below, slender near the base and apex, apparently enlarged in the middle, 2-5 mm. in diameter in the dried state. Leaves about six, lanceolate or oblong-lanceolate, 7.5-11 cm. long, 1.35-1.85 cm. wide (the lower leaves much smaller), distichous, 2-2.8 cm. apart, the uppermost internode much shorter, long-acuminate above, cuneate-narrowed below, rather membranaceous, many-nerved with seven prominent nerves on the under surface. Inflorescence shorter than the leaves, racemose, arcuate. Peduncle below the raceme 5.1 cm. long, provided with three sheaths. Sheaths narrowly lanceolate, membranaceous, conduplicate in the dried specimen, the lowest 2.85 cm. long, the upper ones shorter. Raceme 3.5 cm. long (perhaps longer in anthesis), densely flowered. Floral bracts lanceolate, membranaceous. Flowers small for the section. Sepals and petals apparently strongly reflexed in anthesis. Lateral sepals oblong-oblanceolate, 8.6-9 mm. long, 2.8 mm. wide above the middle when expanded, concave or navicular, acute, the apex thickened, three prominent nerves and a lesser nerve on each side; a conspicuous median keel extends from the base to beyond the apex where it becomes more prominent. Dorsal sepal very narrowly elliptic, about 9 mm. long, about 2 mm. wide, navicular, acute, apex thickened, 3-nerved, with an inconspicuous nerve on each side toward the base, on the outer surface keeled toward the apex. Petals filiform, 8.7 mm. long, 1-nerved. Labellum adnate to the tip of the column; lamina deeply 3-lobed, with the lateral lobes folded into reduplicate halves, about 4.5 mm. long, about 6 mm. wide between the apices of the terminal lobules when they are expanded; lateral lobes transversely oblong or shallowly dolabriform, the lateral margins irregular, the free tips triangular falcate; middle lobe narrow, transversely spreading into divaricate linear-lanceolate obtuse lobules, with a broad blunt apicule in the shallow sinus. Disc with two fleshy calli at the base and three long approximate fleshy calli extending from the basal calli to the base of the middle lobe. Column slender, dilated above, 6.5 mm. long; clinandrium entire. Pollinia irregularly complanate-cylindrical or complanate-pyriform.

Vegetatively *Epidendrum reflexum* resembles *E. piestocaulos* Schltr.; in floral structure it is allied to *E. Turrialvae* Reichb. f.

The name "reflexum" is in allusion to the perianth segments.

COSTA RICA, Arenal, *Juvenal Valerio* 61, September 28, 1923. 600 metres altitude. Vernacular name "Torito." (TYPE in U. S. Nat. Herb. No. 1169273.)