

Epidendrum cristobalense Ames sp. nov. Caules elongati, foliosi. Folia ligulata, usque ad apicem attenuata, valde coriacea, acuta, basi vaginantia. Pedunculus valde elongatus, in racemum multiflorum productus. Bracteae pedunculi arcte vaginantes, complanatae, imbricatae, acutae, elongatae. Bracteae inflorescentiae lineari-triangulares, acutae. Flores carnosii, inter se distantes. Sepala lateralia deflexa, oblongo-elliptica, obtusa, valde incrassata. Sepalum dorsale simile, concavum. Petala spathulata, valde carnosae, carinata. Labellum cum columna cohaerens, cordatum, valde carnosum, subconduplicatum, carinatum. Columna brevis, carnosae.

Stems elongated, leafy. Leaves coriaceous, up to 19 cm. long, 8 mm. or more wide, narrowed toward the apex, acute. Peduncle sheathed by several elongated complanate imbricating bracts, which are from 5 to 12 cm. long, and acute at the tip. Raceme 5 dm. or more long, 1.5 cm. in diameter, bearing as many as fifty pinkish flowers, arching or drooping. Flowers 1 cm., more or less, apart. Floral bracts rigid, linear-triangular, acute, about 5 mm. long. Pedicels with the ovary about 5 mm. long. Lateral sepals 9 mm. long, 5 mm. wide, somewhat spreading, extraordinarily fleshy, oblong-elliptical, obtuse. Dorsal sepal similar, strongly concave. Petals 9 mm. long, 2 mm. wide above the middle, spatulate, obtuse, very fleshy, thickly carinate along the middle on the outer surface. Labellum adherent to the column, free portion 5 mm. long, broadly cordate, obtuse, extraordinarily fleshy, more or less conduplicate. Column about 4 mm. long, very stout, with a hamate wing or tooth on each side at the summit.

The nearest affinity of this species is *Epidendrum laucheanum* Rolfe, from which it differs in having larger, fleshier flowers, different petals, and much more rigid leaves.

COSTA RICA, San Cristobal, C. H. Lankester & Alfredo Sancho 381, January 12, 1923. A common species at medium elevations. Flower about Verona-brown (Ridgway), under side of the lip greenish; in sunny stations the flowers are reddish ochre. 5000-8000 feet altitude. (TYPE in Herb. Ames No. 23728); Cascajal, C. H. Lankester K365, February 14, 1920. (Herb. Kew.)