

**Epidendrum concavilabium** *C. Schweinfurth* sp.

*nov.*

Herba epiphytica, robusta, humilis. Caules foliorum vaginis imbricantibus omnino obtecti. Folia pauca, disticha, oblongo-elliptica, apice bilobata. Inflorescentia brevis, pauciflora. Bracteae conspicuae, equitantes, patentes, dorso valde carinatae. Flores carnosi. Sepalum dorsale elliptico-ovatum, acutum. Sepala lateralia obliquissime semiorbiculari-ovata, acuta. Petala lanceolato-elliptica, obtusa. Labellum columnae apici adnatum, simplex, valde concavum, basi cordatum, apice bilobatum. Columna generis.

Plant robust, caespitose, epiphytic. Roots fibrous, numerous. Stems entirely concealed by imbricating complanate sheaths which are mostly leaf-bearing, up to 10.8 cm. long. Leaves up to five, oblong-elliptic, distichous and widely spreading, successively larger upward, up to 10 cm. long and 5.2 cm. wide, abruptly much smaller below, bilobed at the apex with rounded lobules, apparently fleshy in the living specimen. Peduncle up to the raceme very short, about 3.5 cm. long, mostly concealed by one equitant carinate spathe. Raceme short and stout, 5- to 6-flowered, about 7 cm. long and 3.5 cm. wide near the base. Floral bracts equitant, ovate when spread, deeply carinate with the keel decurrent on the rachis and peduncle, up to 2.5 cm. long. Flower, especially the sepals and lip, rather fleshy. Sepals and petals horizontally spreading or recurved. Dorsal sepal elliptic-ovate, about 12.3 mm. long and 8 mm. wide, abruptly acute with a retrorse mucro on each side of which are two minute subtriangular lamellae, 7-nerved. Lateral sepals semiorbicular-ovate, very asymmetric with the posterior margin nearly straight and the anterior margin strongly convex, about 13 mm. long and 9.2 mm. wide near the middle, acute, mucronate with a short dorsal dentate keel, about

8-nerved. Petals lanceolate-elliptic, obtuse or rounded at the apex, about 12 mm. long and 6 mm. wide in the middle, 3-nerved with the lateral nerves branching. Lip adnate to the apex of the column, simple, strongly concave, cordate at the base, bilobed at the apex, about 13.6 mm. long from the tip of a basal auricle to the tip of an apical lobule and 15 mm. wide when expanded, the three central nerves slightly and shortly carinate-thickened near the base and the central one conspicuously thickened above, the margins irregularly crenulate. Column short and very stout, 8 mm. long measured dorsally.

*Epidendrum concavilabium* suggests *E. coriifolium* Lindl. and *E. nitens* Reichb. f., but differs from both species in having a dissimilar lip and broader petals.

COSTA RICA, Colinas de San Pedro de San Ramón. "14-XI-1927."  
[*A. M. Brenes*] (119) 1660 (TYPE in Herb. Ames No. 43877).