

Elleanthus tricallosus A. & S. *sp. nov.* Herba epiphytica, caulibus simplicibus. Folia disticha, ascendentia, anguste lanceolata, longe acuminata. Racemi terminales, breves, pauciflori. Sepala ovato-oblonga, acuta, lateralia obliqua, apice carinata. Petala subspathulato-lineararia, apice rotundata. Labellum basi saccatum, sacco bicalloso; pars anterior major, suborbicularis, margine lacero emarginata, basi callo transverso bidentato finita.

Plant epiphytic, 29–32 cm. or more tall including the erect-spreading leaves (stem often broken off below). Roots fibrous, flexuous, glabrous. Stems caespitose, slender, 1–1.5 mm. in diameter, mostly concealed by close striate-nervose sheaths. Leaves narrowly lanceolate, 4.4–13 cm. long, 7–13 mm. wide below the middle (the uppermost and lower leaves shorter), long-acuminate to the sharp unequally 3-toothed apex, the central tooth long-extended, cuneate-narrowed to a sessile base, rigid, plicate, many-nerved with about five more conspicuous. Inflorescence terminal, a distichous few-flowered rather dense raceme. Floral bracts 1.8 cm. long or less (the upper successively smaller), strongly concave, embracing and surpassing the pedicellate ovary, broadly ovate when spread out, striate-nervose, rather abruptly acuminate with a rigid point, somewhat erose a little above the middle; the lowermost bract empty and abruptly terminated by a reduced leaf-blade. Rachis and ovaries black-pubescent. Lateral sepals obliquely ovate-oblong, about 8.5 mm. long, about 4 mm. wide, acute, complicate-mucronate and dorsally carinate at the apex, 5-nerved. Dorsal sepal similar, not oblique, abruptly acute and thickened, concave near the apex. Petals linear-subspatulate, about 8.2 mm. long, 2.4 mm. wide above the middle, rounded or subtruncate at the apex, gently curved at the oblique base, 3-nerved. Labellum cucullate-involute in natural position, subequalling the sepals, constricted below the middle; lower portion saccate, hemispherical, furnished with a pair of large subspherical approximate calli, bounded in front by a transverse thickened bidentate wall; anterior portion larger, when expanded suborbicular, emarginate, with irregularly lacerate margins. Column stout, about 6.8 mm. long, curved, dorsally rounded in cross section, anterior face concave with a median elevated ridge.

Elleanthus tricallosus is allied to *E. Brenesii* Schltr., but differs in its erect few-flowered racemes and bidentate callus in front of the saccate base of the labellum. Its unbranched stems differentiate it from *E. Tonduzii* Schltr.; its flowers are apparently very like those of *E. Albertii* Schltr.

[Fig. 4: 1, dorsal sepal \times about 3. 2, petal \times 3. 3, tip of inflorescence \times about 2. 4, lateral sepal \times 3. 5, labellum, front view \times 2. 6, column \times 3. 7, labellum, side view \times about 2.]

COSTA RICA, Santa Clara de Cartago, C. H. Lankester 562, December 23, 1923. "Flower between Purple (true) & Rhodamine. [Ridgway] Column white, on mossy tree trunks 10' to 15' up as a rule." (TYPE in Herb. Ames No. 28121.)