

***Sobralia mucronata* A. & S. sp. nov.** Herba alta ut videtur. Caulis teres, vaginis tubulatis pro parte inclusus, parte superiore paucifoliata. Folia lanceolato-elliptica, acuminata, basi cuneata, plicata. Flos pro genere parvus. Sepala lateralibus elliptico-oblonga, conspicue mucronata. Sepalum dorsale lineari-oblongum, conspicue mucronatum. Petala oblancheolato-oblonga, mucronata. Labellum quadrato-oblongum, carinis nonnullis undulatis percursum. Columna gracilis, apice trilobata.

Plant apparently tall (lower portion missing). Stem terete, over 31.7 cm. tall, 2.5–3 mm. in diameter, distichously 2–3-leaved near the summit, partially concealed by tightly clasping leaf-sheaths which are elongate tubular and striate in the dried specimen. Leaves lanceolate-elliptic, 12.25–17.9 cm. or more long, 2.05–3.45 cm. wide, acuminate above, cuneate-narrowed to a sessile base, nervose, coriaceous, many-nerved with seven nerves conspicuous on the under surface, plicate with revolute margins in the dried state. Flower apparently solitary, small for the genus, the pedicellate ovary invested by several imbricating sheaths. Sepals rather fleshy in texture. Lateral sepals elliptic-oblong, about 2.5 cm. long, 6.9 mm. wide, acute, prominently mucronate, lightly oblique, 7–9-nerved. Dorsal sepal linear-oblong, abruptly and prominently mucronate, 2.6 cm. long, 5.3 mm. wide, with seven prominent nerves. Petals oblanceolate-oblong, 2.35 cm. long, 5.5 mm. wide above the middle, acute, apex mucronate, 5-nerved, the lateral nerves branching below. Labellum in natural position tubular-involuted near the base, when expanded broadly elliptic-oblong or quadrate-oblong, about 2.3 cm. long, 1.15 cm. wide above the middle, entire, retuse, apiculate at the broadly rounded apex, anterior margins strongly crisped; lamina with two prominent keels, which are much thickened at their very base, extending from the base nearly to the apex of the lamina, supplemented near its longitudinal middle by two short keels on each side of the central pair and between the central pair by three keels which extend nearly to the apex,—all of the keels abruptly increasing in altitude toward their fleshy crisped and wavy anterior portion. Column slender, about 1.35 cm. long, apex 3-lobed, with the lateral lobes linear-falcate and incurved, the middle lobe suborbicular and strongly galeate.

There are two species allied to *Sobralia mucronata*, namely, *S. luteola* Rolfe, which differs in having larger flowers and fimbriate-pilose nerves on the labellum, and *S. corazoi* Ames, which has much broader leaves and a different labellum.

COSTA RICA, San Carlos, C. H. Lankester 764, March 1923. "Flowered in cult. Cartago, March 1924. Flower greenish white, frilled edge of lip white, lines of pleated crest brown red." (TYPE in Herb. Ames No. 28297.) Alcohol material of this species from which the description of the flower was drawn bears the number 685.