

Epidendrum subnutans A. & S. *sp. nov.* Herba elata. Caulis foliorum vaginis omnino tectus. Folia numerosa, disticha, lanceolato-elliptica, valde acuminata, ad basim subsessilem cuneato-angustata. Inflorescentia laxa paniculata, ramis arcuatis. Sepala lateralia oblique oblanceolata, acuta, concava. Sepalum dorsale cuneato-oblanceolatum. Petala angustissime spathulato-linearia. Labellum columnae alte adnatum; lamina trilobata, lobis lateralibus rotundato-dolabriformibus; lobus intermedius transverse quadratus, leviter bilobatus.

Plant about 85 cm. tall, rising from a woody rhizome. Roots coarse, fibrous, flexuous, whitish, glabrous. Stem up to the peduncle about 68 cm. tall, entirely invested by tubular leaf-sheaths which waste into fibers in anthesis, subterete. Leaves numerous, lanceolate-elliptic, 10.7–18.7 cm. long, about 1.6–2.7 cm. wide, distichous, strongly acuminate, cuneate-narrowed to a subsessile clasping base, chartaceous, many-nerved, 4–6.4 cm. apart but much closer near the summit. Peduncle up to the inflorescence about 6.6 cm. long, entirely concealed by 3 long scarious tubular imbricating sheaths. Inflorescence a very loose panicle (3 branches present in our specimen). Rachis arcuate, the floral branches fractiflex. Floral bracts minute, triangular-lanceolate. Terminal floriferous branch loosely 33-flowered. Flowers small. Sepals fleshy, spreading. Lateral sepals obliquely oblanceolate, 6.1 mm. long, about 2.5 mm. wide above the middle, acute, concave, 5-nerved. Dorsal sepal cuneate-oblanceolate, 5.9 mm. long, about 2.1 mm. wide across the anterior part, acute or obtuse, somewhat concave, 5-nerved. Petals very narrowly spatulate-linear, about 6 mm. long, .8 mm. wide near the summit, rounded at the apex, 1-nerved. Labellum adnate to the column to its apex; lamina 3-lobed, 2.5 mm. long in the center, 5.7 mm. wide across the spreading side-lobes, cordate at base; lateral lobes obliquely dolabriform with rounded and irregularly lobulate basal and lateral margins, passing to a subacute point; middle lobe transversely subquadrate, broadly truncated at the apex which is slightly retuse, about 1 mm. long, 2.5 mm. wide, the outer angles obtuse or extended into short lobules. Disc with a large central fleshy callus of 2 parts; basal portion subquadrate and slightly excavated; anterior part larger, lower, oblong, consisting of 3 approximate fleshy keels, the central one running nearly to the apex. Column 4.5 mm. long, strongly clavate, conspicuously dilated in front; clinandrium with a blunt triangular tooth on each side. Anther semi-ovoid, 2-celled, with a blunt dorsal keel and short apical truncate wing. Pollinia complanate semiellipsoid.

The description was made from a single herbarium specimen.

Epidendrum subnutans is in the alliance of *E. floribundum* HBK. and *E. myodes* Reichb. f., but it has a very different lip from that of either of these species. It has much smaller flowers than *E. nutans* Sw.

COSTA RICA, La Palma, A. M. Brenes 593, June 4, 1923. 1200 meters altitude. Epiphyte. Cultivated at San Ramon. (TYPE in Herb. Ames No. 31115.)