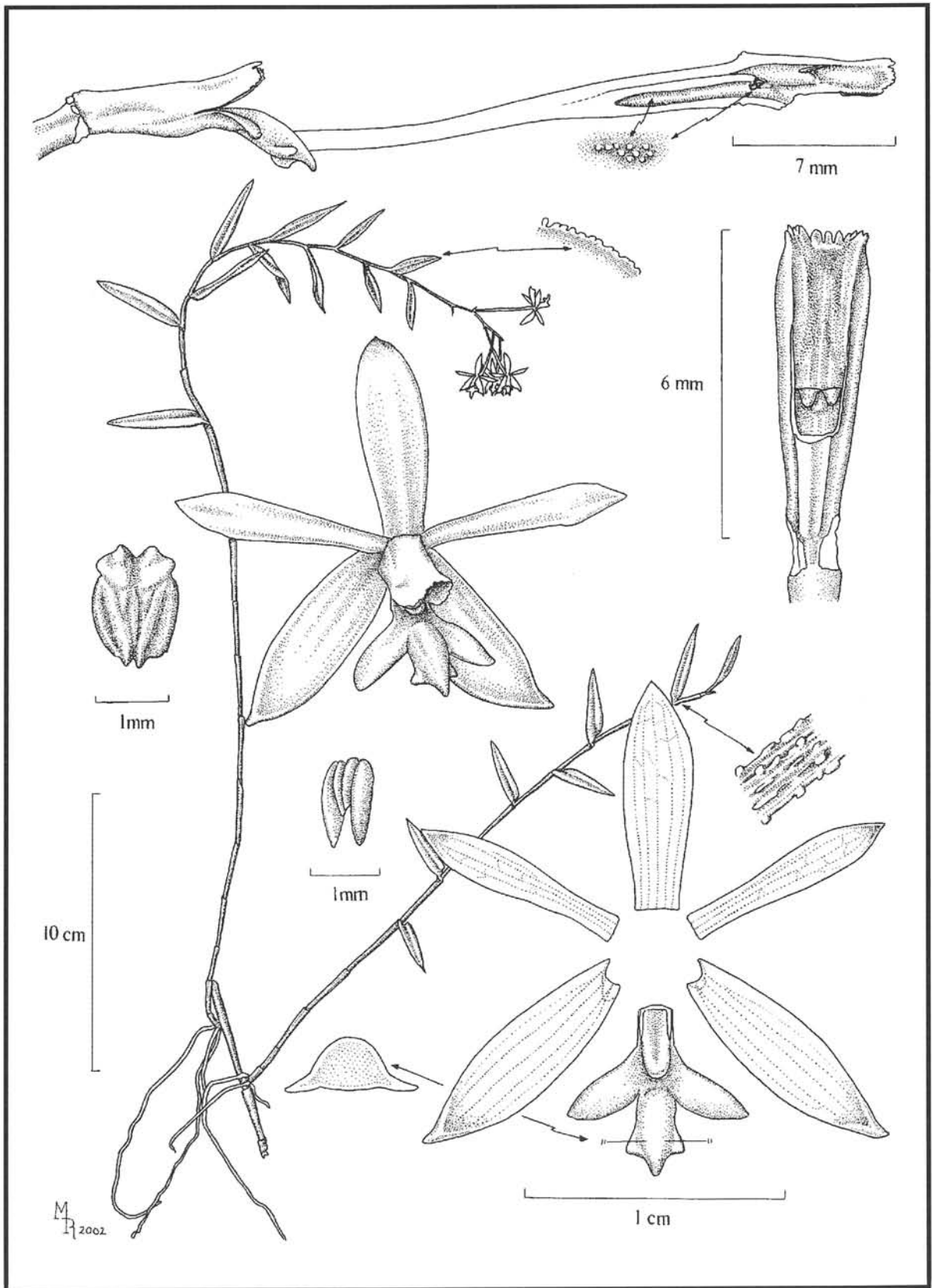




EPIDENDRUM UNICALLOSUM Hágsater & E.Santiago

Plate 895

EPIDENDRUM UNICALLOSUM Hágsater et E.Santiago, sp. nov.

Type: PANAMA: Chiriquí: Guadalupe, 20 February 2001, **Andrés Maduro & Erik Olmos 179**. Holotype: AMO! (Illustration voucher). (The holotype is a couple of keikis on a segment of main stem.)

Epidendro aberranti Schltr. simile sed labello trilobato, lobulo medio simplici incrassato carnosoque et duos appendices apicales triangulares parvos ferenti, polliniorum pari interiore in positione apicali juxta polliniorum exteriorum humerum sito, callo simplici rotundato sulcato, distat.

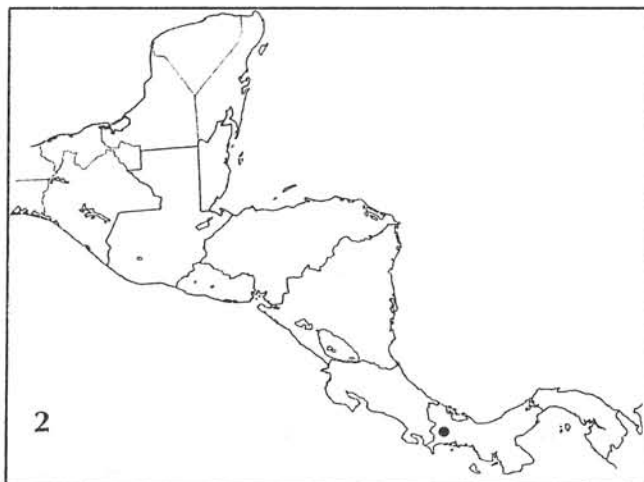
Hierba simpodial, cespitosa; 22-42 cm de alto. **Raíces** basales, delgadas, carnosas, blancas; 1 mm de grosor. **Tallos** sencillos, tipo caña, teretes, delgados, que forman keikis; de 22-37 x 0.1-0.2 cm. **Hojas** 12 o más, distribuidas lo largo de la mitad apical de los tallos maduros, alternas; vaina tubular, verrugosa; 8-24 x 1-2 mm; lámina lanceolada, ápice agudo, apiculado, margen apical eroso dentado, lisa; 2-3.9 x 0.4-0.6 cm. **Bráctea** espátacea ausente. **Inflorescencia** apical, racemosa, corta, erecta; pauciflora, laxa; 4 cm de largo; pedúnculo, terete, delgado, desprovisto de brácteas, liso; 20 mm de largo; raquis terete, delgado, recto, liso. **Brácteas** florales mucho más cortas que el ovario, abrazadoras, triangulares, agudas; 2.5-4 mm de largo. **Flores** 6, simultáneas, resupinadas, color lila rosado; sin datos de fragancia. **Ovario** triquetro, delgado, ligeramente dilatado justo detrás del perianto, liso; 18-22 mm de largo. **Sépalos** extendidos, libres, agudos, 3-nervados, las nervaduras laterales ramificadas desde la base dando la apariencia de ser 5-nervados, margen entero, 9.2-10 x 2.8 mm; el **dorsal** angostamente oblanceolado; los **laterales** angostamente elípticos. **Pétalos** extendidos, libres, oblanceolados, agudos, 3-nervados, margen entero; 8.7 x 1.9 mm. **Labelo** unido a la columna, trilobado, cuneado en la base, margen entero; 5.1 x 7.1 mm, unicalloso, el callo formado por una plataforma ancha, roma, surcada en la parte media; lóbulos laterales, angostamente elípticos, subagudos, oblicuos, divaricados; 2.8 x 1.5 mm; lóbulo medio oblongo, carnososo (en sección semiterete); 3.4 x 2.3 mm, con un par de apéndices apicales, triangulares, redondeados. **Columna** recta, delgada, 6 mm de largo incluyendo el clinandrio; (el clinandrio ocupa poco más de la mitad de la longitud total de la misma). **Clinandrio** prominente, margen crenado. **Antera** angulosa, mostrando la forma de los polinios al interior, 4-locular. **Polinios** 4, tipo ala de pájaro, los interiores más pequeños, menos de la mitad de largo de los exteriores, y ubicados arriba. **Rostelo** perpendicular con respecto al eje de la columna, formando un seno amplio. **Nectario** penetrando 1/3 parte del ovario, no inflado. **Cápsula** no vista.

Sympodial caespitose herb. **Stems** simple, cane-like, terete, forming keikis. **Leaves** 12 or more, distributed throughout the apical half of the stems; sheaths tubular, minutely verrucose; blade lanceolate, apex acute, apical margin erose-dentate. **Inflorescence** apical, racemose, short, erect. **Floral bracts** much shorter than the ovary, triangular, acute. **Flowers** 6, simultaneous, resupinate, pink-lilac. **Ovary** triquetrus, thin, slightly thickened behind the perianth. **Sepals** spreading, acute, 3-veined, the dorsal narrowly oblanceolate, the laterals narrowly elliptic, margin entire. **Petals** spreading, free, oblanceolate, acute, 3-veined, margin entire. **Lip** united to the column, three-lobed, one-callus, the callus forming a wide, rounded, sulcate platform; lateral lobes narrowly elliptic, subacute, oblique, divaricate; mid-lobe oblong, fleshy (section semi-terete), with a pair of triangular appendages near the apex, the appendages triangular, rounded. **Column** straight, thin, the clinandrium-hood occupies more than half the total length. **Clinandrium-hood** prominent, margin crenate. **Anther** angular, showing the shape of the pollinia beneath. **Pollinia** 4, bird-wing type, the inner pair about half the size and located at the top. **Rostellum** perpendicular to the axis of the column, forming a wide sinus. **Nectary** penetrating 1/3 of the ovary.

OTHER SPECIMENS: None seen.

DISTRIBUTION AND ECOLOGY: Known only from the type, cultivated in Guadalupe, Chiriquí province of western Panama. Flowering in February.

RECOGNITION: *Epidendrum unicallosum* belongs to the Oerstedella Group which is characterized by the sympodial habit, mostly verrucose stems, and the rostellum which is transverse to the column instead of parallel, forming a wide, open sinus, and *Aberrans* Subgroup which has small, membranaceous flowers with a prominent clinandrium-hood, with unequal pollinia, the inner pair much smaller than the outer pair, and the pollinia very flat and translucent. The species is recognized by the three-lobed lip with the prominent clinandrium-hood which is longer than the body of the column proper, the entire, sulcate callus and the fleshy thickened mid-lobe of the lip with the small triangular appendages near the apex. It is similar to *Epidendrum atypicum* Hágsater & E.Santiago but in that species the lateral lobes of the lip are cuneate, truncate, with the margin sinuate and inserted at a 90° angle with respect to the axis of the lip. *Epidendrum aberrans* Schltr. has smaller flowers, the sepals 7-10 mm long, a membranaceous, bilobed midlobe, the calli 2, parallel, and the inner pair of pollinia located at about the middle of the outer pair.



CONSERVATION STATUS: DD. Data deficient.

ETYMOLOGY: unicallosum, from the Latin *uni-*, one-, and *callosus*, callose, bearing a hardened thickening, in reference to the single callus of the lip; most species in this group are bicallose.