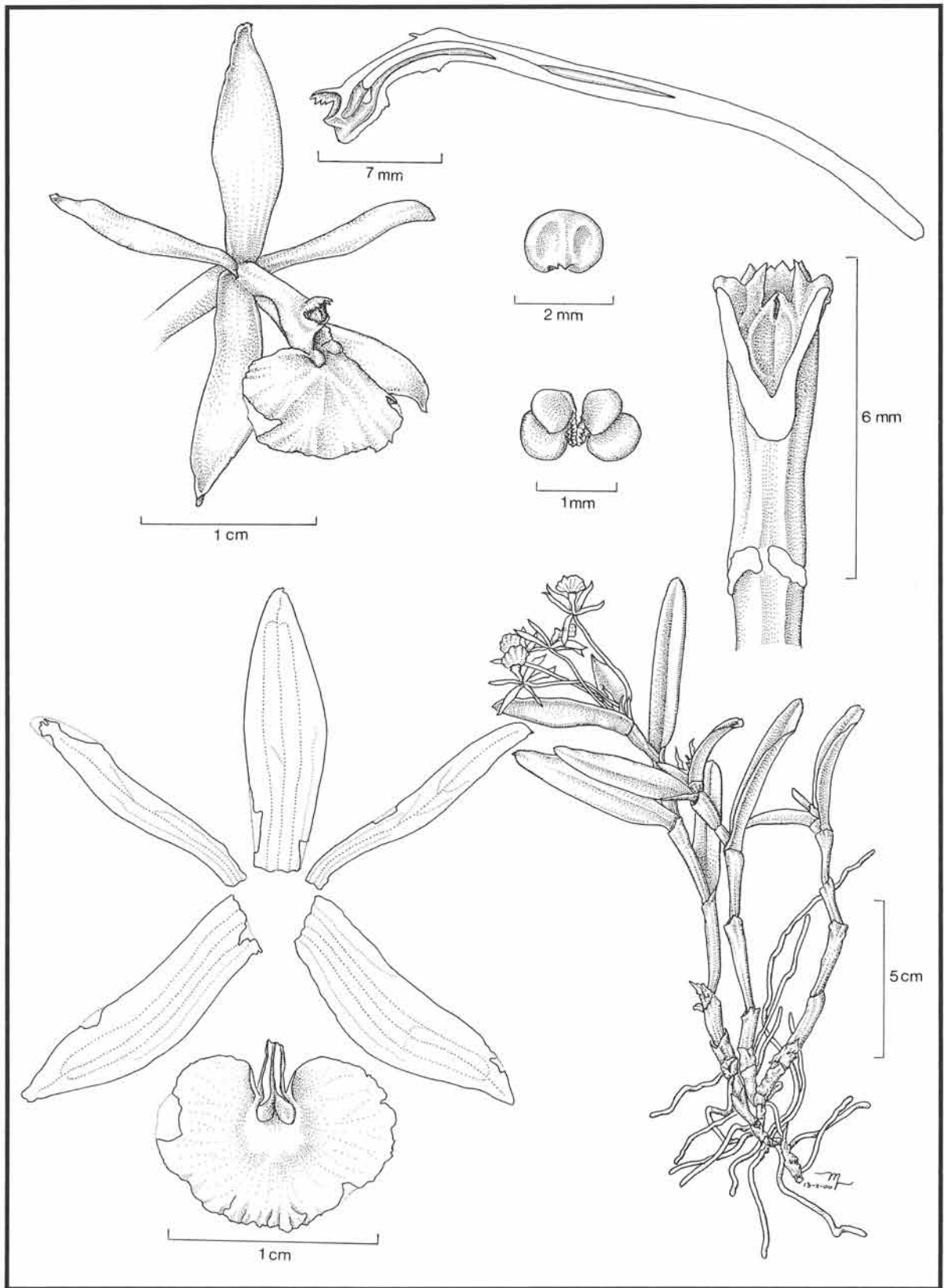




EPIDENDRUM CRENULIDIFORME L. Sánchez & Hágsater
THE GENUS EPIDENDRUM PART 3

EPIDENDRUM CRENULIDIIFORME L. Sánchez et Hágsater, *sp. nov.*

Type: DOMINICAN REPUBLIC: Prope Constanza, 1200 m, Jun. 1910, **H. von Tuerckheim 3379.**

Holotype: G! (illustration voucher). Isotypes: AMES! M! NY!

Epidendro floridensi Hágsater similare sed habitu minore, floribus 3 vel 4 albo-viridulis, petalis anguste elliptico-oblongis, labello reniformi ad marginem crenulato recedit.

Hierba epífita, cespitosa, 17 cm de alto incluyendo la inflorescencia. **Raíces** basales, carnosas, 0.5-1 mm de grosor. **Tallos** sencillos, tipo caña, teretes, 9.5-12.5 x 0.2-0.35 cm. **Hojas** 5-6, equidistantes a lo largo del tallo, erectas; vaina tubular, lisa, 1.5-2.5 cm de largo; lámina angostamente lanceolada, ápice asimétricamente bilobado, margen entero, coriácea, sin carina dorsal, color verde, 2.5-6.0 x 0.8-1 cm. **Inflorescencia** apical en el tallo maduro, florece una sola vez, subumbelada, sésil. **Brácteas florales** más cortas que el ovario, triangulares, acuminadas, 6-11 x 1.5-1.7 mm. **Flores** 3-4, simultáneas, resupinadas, color blanco verdoso, sin datos de fragancia. **Ovario** no inflado, terete, no ornamentado, 30-40 x 0.7-1.0 mm. **Sépalos** extendidos, libres, glabros, subcoriáceos, elípticos, agudos, margen entero, ligeramente revolutos, 13-13.5 x 3-3.5 mm; el dorsal 3-nervado, los laterales ligeramente oblicuos, 5-nervados. **Pétalos** entreabiertos, membranáceos, angostamente elíptico oblongos, obtusos, margen entero, extendido, 3-nervados, 13-13.5 x 1.2-1.5 mm. **Labelo** unido a la columna, entero, reniforme, base cordada, margen crenulado, 8-11 x 13-16 mm; bicalloso, los callos subglobosos. **Columna** ligeramente arqueada, gruesa, 6-7.5 x 1.0-1.2 mm. **Clinandrio** prominente, margen dentado eroso. **Antera** subreniforme, no ornamentada, 4-locular. **Polinios** 4, subglobosos, lateralmente comprimidos, subiguales; caudículas suaves y granuladas, ligeramente más cortas que los polinios. **Rostelo** apical, hendido. **Lóbulos laterales del estigma** cortos, de un tercio de la cavidad estigmática. **Nectario** penetrando 1/5 del ovario, no ornamentado. **Cápsula** no vista.

Epiphytic, caespitose herb. **Stems** terete. **Leaves** 5-6, erect, narrowly lanceolate, bilobed, margin entire, coriaceous. **Inflorescence** apical, subumbellate, sessile. **Floral bracts** smaller than the ovary, triangular, acuminate. **Flowers** 3-4, simultaneous, resupinate, greenish-white. **Ovary** not inflated, terete, unornamented. **Sepals** spreading, free, glabrous, subcoriaceous, elliptic, acute, margin entire, slightly revolute; the dorsal 3-veined; the laterals slightly oblique, 5-veined. **Petals** spreading, membranaceous, narrowly elliptic-oblong, obtuse, margin entire. **Lip** united to the column, entire, reniform, base cordate, margin crenulate; bicallose, the calli subglobose. **Column** slightly arcuate. **Clinandrium** prominent, dentate-erose. **Anther** subreniform, unornamented, 4-locular. **Pollinia** 4, subglobose, laterally compressed. **Rostellum** apical, slit. **Nectary** penetrating one fifth of the ovary, unornamented.

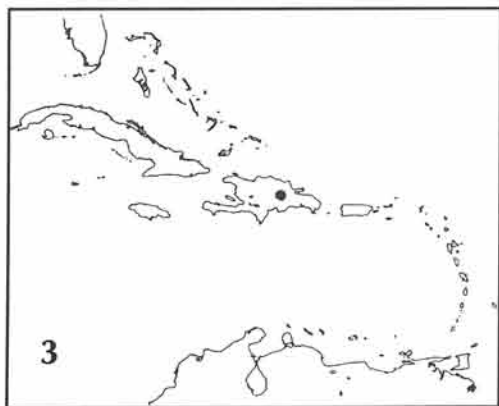
OTHER SPECIMENS: None seen.

DISTRIBUTION AND ECOLOGY: Known only from Dominican Republic in the Cordillera Central. Epiphyte, 1200 m altitude. Flowering in June.

RECOGNITION: *Epidendrum crenulidiforme* belongs to the *difforme* group, and can be recognized by the terete stems, 3-4 flowers, narrowly elliptic-oblong petals, entire lip with crenulate margin, prominent clinandrium. It is similar to *E. floridense* Hágsater from Florida and widespread in Cuba and Haiti, which has larger plants with many flowers, oblanceolate petals, cordate lip with the margin entire. Other species from the Caribbean Islands include *Epidendrum umbellatum* Sw., widespread from south-eastern Cuba to Trinidad and Tobago has large, vigorous plants, laterally compressed stems, narrowly obovate petals and three-lobed lip. *Epidendrum orientale* Hágsater & M.A. Díaz from south-eastern Cuba and Jamaica has short compact plants, bilobed lip with the lobes subovate and sometimes notched at the margin, giving the impression of a 4-lobed lip, and wide, divergent calli. *Epidendrum boricuarum* Hágsater & L. Sánchez from Cordillera Central of Puerto Rico and the Dominican Republic, has larger plants, laterally compressed stems, three-lobed, emarginate lip with small drops of nectar, and an arcuate column. *Epidendrum difforme* Jacq., widespread in the Lesser Antilles, has strongly laterally compressed, ancipitose stems, and a 3-lobed lip.

CONSERVATION STATUS: DD. Data deficient.

ETYMOLOGY: The name *crenulidiforme* refers to the latin "*crenulatus*" in reference to the crenulate lip and the *difforme* group to which it belongs.



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