

EPIDENDRUM BORCHSENIII Hágsater & Dodson
 THE GENUS EPIDENDRUM PART 3

EPIDENDRUM BORCHSENI Hágsater et Dodson, *sp. nov.*

Type: ECUADOR: Pichincha: Road Valle Hermoso-Los Bancos, km 7 (turn off at km 24 on road Sto. Domingo-Quinindé), 450 m, 25 May 1994, *F. Borchsenius, H. Navarrete and G. Quezada 265*.
Holotype: QCA! (illustration voucher). Isotype: AMO! (flowers in spirit).

Epidendro carnevalii Hágsater & L. Sánchez similare sed foliis longioribus, ovario ad basem inflato, labelli lobuli medii lobulis suborbicularibus non divergentibus, labelli base sine venas incrassatas, clinandrio tripartito, parte centrali bifida discrepans.

Hierba epífita, cespitosa, 14-16 cm de alto. **Raíces** basales, carnosas, 0.6-1 mm de grosor. **Tallo** sencillo, tipo caña, lateralmente comprimido, flexuoso, 11-12.7 x 0.3-0.4 cm. **Hojas** 6-10, equidistantes a lo largo del tallo; vaina lateralmente comprimida, lisa, 1.3-1.6 cm de largo; lámina subcoriácea, elíptica, ápice bilobado, margen entero, lisa, verde, 2.1-4.3 x 1.0-1.5 cm. **Espata** ausente. **Inflorescencia** apical en el tallo maduro, florece una sola vez, sésil. **Brácteas florales** mucho más cortas que el ovario. **Flores** 5-7, simultáneas, resupinadas, palidamente amarillento verdosas. **Ovario** inflado en la base, terete, papiloso, 14-20 x 1.5-1.7 mm. **Sépalos** subcoriáceos, glabros, libres. **Sépalo dorsal** elíptico, redondeado, margen algo revoluto, extendido, 5 nervado, 13.3 x 4.8 mm. **Sépalos laterales** oblicuamente elípticos, agudos, margen entero, algo revoluto, 5 nervados, 13.0 x 5.5 mm. **Pétalos** extendidos, membranáceos, oblanceolados, agudos, margen entero, extendido, 3 nervados, x 12.7-13 x 1.8-2.0 mm. **Labelo** unido a la columna, trilobado, 10 x 15.5 mm; bicalloso, los callos subglobosos; lóbulos laterales semiobciculares a elípticos, margen entero a ligeramente ondulado, 5 x 8.5 mm; lóbulo medio corto, con seno ancho, formando dos lóbulos suborbiculares, 1.6 x 7.7 mm. **Columna** ligeramente arqueada, delgada, papilosa, 9.3 x 1.5 mm. **Clinandrio** prominente, tripartido, eroso fimbriado, la parte central bifida. **Antera** no vista. **Polinios** 4, subiguales, semiovalados, lateralmente comprimidos. **Rostelo** apical, hendido. **Lóbulos laterales del estigma** pequeños. **Nectario** penetrando 1/2 del ovario, no ornamentado. **Cápsula** no vista.

Epiphytic, caespitose herb. **Stems** simple, laterally compressed, flexuous. **Leaves** 6-10, elliptic, apex bilobed. **Spathe** absent. **Inflorescence** apical from the mature stems, sessile. **Floral bracts** shorter than the ovary. **Flowers** 5-7, simultaneous, resupinate, pale yellowish-green. **Ovary** terete, inflated at the base, papillose. **Sepals** subcoriaceous, glabrous, 5-veined; the laterals oblique, acute. **Petals** spreading, membranaceous, oblanceolate, acute, 3-veined. **Lip** united to the column, trilobed; bicallose, the calli subglobose; lateral lobes semiobcircular to elliptic, entire to undulate; midlobe short, with a wide sinus, forming two suborbicular lobes. **Column** somewhat arcuate, papillose. **Clinandrium** prominent, tripartite, erose-fimbriate, the central part bifid. **Anther** not seen. **Pollinia** 4, subequal, semiovalate, laterally compressed. **Rostellum** apical, slit. **Nectary** penetrating half of the ovary, unornamented. **Capsule** not seen.

OTHER SPECIMENS: ECUADOR: Esmeraldas: Quinindé, Bilsa Biological Station. Mache Mountains. 35 km W of Quinindé, 5 km W of Santa Isabel, 00°21'N 79°44'W, 400-600 m, July 15, 1996, *J. L. Clark 2872 QCNE!* SEL! Río Santiago at Rocafuerte, 50 m, 4 sept. 1980, *L. Holm-Nielsen et al. 24914 AAU!*

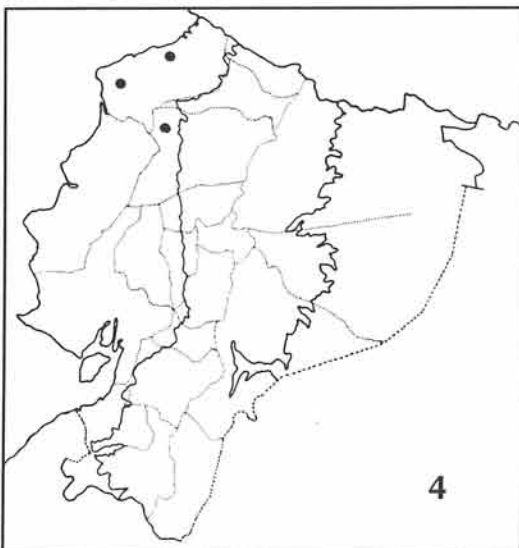
DISTRIBUTION AND ECOLOGY: Endemic to the western andean ridge of Ecuador, in primary forest, from 50 to 600 m altitude. Flowering from May to September.

RECOGNITION: *Epidendrum borchsenii* belongs to the difforme group, and can be recognized by its lateral compressed stems, larger leaves, inflated ovary, suborbicular lobes of the midlobe of the lip, non-keeled lip, subglobose calli, prominent, tripartite clinandrium, the central part bifid, papillose column and ovary. It is similar to *E. carnevalii*, a species endemic to Venezuela, in the central and western section of the Coastal Range, but that has somewhat laterally compressed stems, short leaves, divergent, prominent calli, entire clinandrium. *Epidendrum chlorocorymbos* Schltr., from the Atlantic Slopes from Mexico to Panama has larger plants and flowers, terete stems, more than 10 flowers, short clinandrium and glabrous column and ovary. *Epidendrum littorale* Hágsater & Dodson from Ecuador and Colombia, in the coastal plain at the base of the western andean ridge, has terete stems, broad, prominent, crenate midlobe of the lip, with a wide, shallow apical sinus, entire clinandrium and glabrous column and ovary. *Epidendrum romanii* Hágsater & Dodson, endemic to Ecuador, has terete stems, ascending leaves, entire, obconical clinandrium and glabrous column and ovary.

CONSERVATION STATUS: DD. Data deficient.

ETYMOLOGY: In honor of Finn Borchsenius, who collected the material from which the type was prepared.

REFERENCES: Hágsater, E. & C.H. Dodson. 1993. *Epidendrum littorale* in E. Hágsater, y G. Salazar (eds.) *Icon. Orch.* 2: pl. 153. *Asoc. Mex. Orq.*; Hágsater, E. & C.H. Dodson. 1993. *Epidendrum romanii* in E. Hágsater, y G. Salazar (eds.) *Icon. Orch.* 2: pl. 182. *Asoc. Mex. Orq.*; Hágsater, E. & L. Sánchez. 1999. *Epidendrum carnevalii* in E. Hágsater, L. Sánchez y J. García-Cruz (eds.) *Icon. Orch.* 3: pl. 321. *Herbario AMO.*



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