

EPIDENDRUM BOSCOËNSE Hágsater & Dodson
THE GENUS EPIDENDRUM PART 3

EPIDENDRUM BOSCOËNSE Hágsater et Dodson, sp. nov.

Type: ECUADOR: Morona-Santiago: pass from San Juan Bosco to Gualaquiza, swamp near Limón, 1000 m, 17 Feb. 1986. **A. Hirtz, C. & J. Luer & A. Embree 2781**. Holotype: RSPC! (illustration voucher).
Isotype: RPSC!

Epidendro armeniaco Lindl. simile sed habitu minore, labello integro trulliformi, inflorescentia laxiflora, foliis linearibus 2 mm latis recedens.

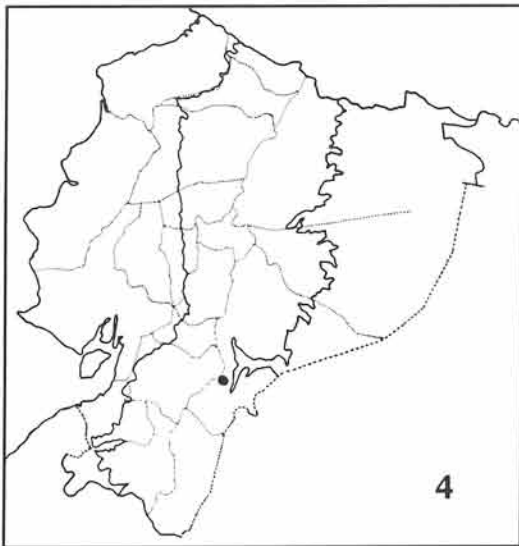
Hierba epífita, subcespitosa, de 13 cm de alto. **Raíces** basales, filiformes, de 0.5-1 mm de grosor. **Tallos** sencillos, tipo caña, ligeramente flexuosos, teretes, producidos de cerca de la base del tallo anterior 6 x 0.10-0.15 cm. **Hojas** 4, distribuidas en los 2/3 apicales del tallo; vainas tubulares, estriadas cuando secas, las inferiores no foliosas, 1-1.2 cm de largo; lámina linear, aguda, gramínea, con una quilla dorsal, progresivamente más largas, 2.5-5.5 x 0.2 cm. **Espata** 1, linear, conduplicada, aguda, más larga que el pedúnculo y ocultándolo, 2.3 x 0.15 cm. **Inflorescencia** apical, del crecimiento maduro, racemosa, suberecta, raquis de 4 cm de largo, pedúnculo de 1.5 cm de largo. **Brácteas florales** linear lanceoladas, acuminadas, más largas que el ovario, 4.5-6 x 1.0-1.5 mm. **Ovario** terete, algo más grueso en la mitad apical, 10 x 1.4 mm. **Flores** 10, pequeñas, el labelo dirigido hacia el ápice del raquis, al parecer sucesivas, verdes. **Sépalos** entreabiertos, ovado lanceolados, agudos, cóncavos, 3-nervados, 3.3 x 1 mm, los **laterales** con una quilla dorsal prominente en el ápice, oblicuos. **Pétalos** entreabiertos, ligeramente arqueados, lineares, ligeramente ensanchados hacia el ápice, agudos, 1-nervados, con la vena gruesa, 2.2 x 0.18 mm. **Labelo** unido a la columna, entero, truliforme, agudo, base obtusada, margen de la lámina diminutamente papiloso, 1.8 x 0.9 mm; bicalloso, los callos subglobosos, lateralmente comprimidos, con una quilla baja y roma que llega cerca del ápice. **Columna** corta, gruesa, 1.2 mm de largo, **Clinandrio** reducido, entero. **Rostelo** no visto. **Lóbulos laterales del estigma** no vistos. **Antera** subglobosa, con una quilla roma al frente, 0.5 x 0.5 mm. **Polinios** 4, obovoides, lateralmente comprimidos, subiguales, caudículas más cortas que los polinios. **Nectario** no visto. **Cápsula** no vista.

Epiphytic, subcaespitose **herb**. **Stems** simple, cane-like, slightly flexuous, terete, produced from near the base of the previous stem. **Leaves** 4, distributed throughout the upper 2/3 of the stems, sheaths tubular, striated when dry, blades grass-like, linear, acute, margin entire, progressively longer, 2 mm wide. **Spathe** linear, tubular, conduplicate, acute, longer than the peduncle. **Inflorescence** apical, racemose, suberect. **Floral bracts** linear-lanceolate, acuminate, longer than the ovary. **Ovary** terete, somewhat wider at the apical half. **Flowers** 10, small, lip directed towards the apex of the rachis, apparently successive, green. **Sepals** partly spreading, ovate-lanceolate, acute, concave, 3-veined, the **laterals** with a prominent dorsal keel, oblique. **Petals** partly spreading, slightly arched, linear, slightly widened near the apex, acute, 1-veined, the vein thickened. **Lip** united to the column, entire, trowel-shaped, acute, the base obtusate, margin minutely papillose; bicallose, the calli subglobose, with a low rounded keel reaching the apex. **Column** short, thick. **Clinandrium** reduced, entire. **Pollinia** 4, obovoid, laterally compressed, subequal, caudicles shorter than the pollinia.

OTHER SPECIMENS: None seen.

DISTRIBUTION AND ECOLOGY: Known only from the type, on the Amazonian slope of the Andes in southern Ecuador, at 1000 m. Epiphytic in swamp. Flowering in February.

RECOGNITION: *Epidendrum boscoëns* at first sight looks like an oversize *E. miserrimum* Rchb. f., but upon closer inspection belongs to the alpicolum group, with the parallel-sided spathe and fox-tail inflorescence, though spaced and lax-flowered. It is recognized by the long, narrow leaves (2 mm wide), the sepals 3.3 mm long and the entire, trowel-shaped lip. *Epidendrum armeniacum* Lindl. has similar-sized flowers, but the lip is 3-lobed and the habit much larger, the inflorescence a densely flowered fox-tail. *Epidendrum dialyrrhombicum* Hágsater & Dodson also has narrow leaves, but these are some 4 mm wide, and the inflorescence is compact, many-flowered and the lip free from the column.



CONSERVATION STATUS: DD. Data deficient.

ETYMOLOGY: In reference to the town of San Juan Bosco, near where the type specimen was found.

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