

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

Type: ECUADOR: Carchi: Above Maldonado west of Tulcan, ca. 1700-2000 m, 21 Feb. 1978, **C. & J. Luer & A. Hirtz 2687**. Holotype: SEL! (illustration voucher).

Epidendro cylindrostachys Rchb. f. & Warsc. simile sed foliis angustioribus, inflorescentia brevi, floribus minoribus et ovario brevi.

Hierba epífita, cespitosa, 33 cm de alto. **Raíces** basales, carnosas, 1.5-2 mm de grosor. **Tallos** sencillos, tipo caña, lateralmente aplanados en el tercio apical, teretes en los dos tercios basales, 18 X 0.1-0.2 cm, con dos vainas, parcialmente imbricadas, conduplicadas, ovadas, agudas, papiráceas, 2-4.5 X 2-3 cm. **Hojas** 4, distribuidas en el tercio apical, angostamente oblongo elípticas a lanceoladas, ápice aristado, con una quilla dorsal, margen entero, coriáceas, 7-11 X 0.6-0.9 cm. **Espata** 1, de lados casi paralelos, aguda, 5 x 0.7 cm. **Inflorescencia** apical, racemosa, 15 cm de largo; pedúnculo lateralmente comprimido, 6 cm de largo; raquis algo lateralmente comprimido, no ornamentado. **Brácteas florales** mucho más cortas que el ovario, triangulares, agudas, 1.5-2 mm de largo. **Ovario** ligeramente dilatado hacia el ápice, terete, no ornamentado, 3-5 mm de largo. **Flores** 20, simultáneas, resupinadas, blanco verdosas, fragancia no registrada. **Sépalos** extendidos, libres, obtusos, margen entero, 3-nervados; el **dorsal** oblongo, obtuso, 4.8 x 1.8 mm, los **laterales** más anchos, elípticos, oblicuos, 5 x 2.8 mm. **Pétalos** extendidos, oblongo oblanceolados, redondeados, margen entero, 1-nervados, 3.5-4 x 0.8-1 mm. **Labelo** unido a la columna, cordado, trilobado, 3-4.0 x 3.2-4.7; bicalloso, los callos laminares, extendiéndose en todo el disco hasta la base del lóbulo medio, con una quilla engrosada a la mitad del lóbulo medio; lóbulos laterales retrorsos, angostos en la base, transversalmente elípticos en el ápice, margen entero; lóbulo medio angostamente rectangular, ápice dilatado y bilobado, margen entero, en posición natural arqueado hacia arriba, frente a la columna. **Columna** arqueada, gruesa, 3-3.5 mm de largo. **Clinandrio** corto, entero. **Antera** 4-locular, reniforme. **Polinios** 4, obovoides, lateralmente comprimidos; caudículas granuladas, más cortas que los polinios. **Rostelo** subapical, hendido. **Lóbulos laterales del estigma** de 1/2 de largo de la cavidad estigmática. **Nectario** sin traspasar el perianto, no ornamentado. **Cápsula** no vista.

Epiphytic, caespitose **herb.** **Roots** basal, fleshy, thick. **Stems** simple, cane-like, laterally compressed above, almost completely covered by 2 sheaths below. **Leaves** 4, distributed along apical third, oblong-elliptic-lanceolate, aristate, margin entire, coriaceous. **Spathe** 1, sides parallel, acute. **Inflorescence** apical, racemose, peduncle laterally compressed, rachis somewhat laterally compressed, unornamented. **Floral bracts** much shorter than the ovary, triangular, acute. **Ovary** short, slightly thickened near the apex, terete, unornamented. **Flowers** 20, simultaneous, resupinate, greenish white. **Sepals** spreading, free, elliptic, obtuse, 3-veined, the laterals wider. **Petals** spreading, incurved, oblong-oblanceolate, rounded, margin entire, 1-veined. **Lip** united to the column, cordate, 3-lobed; bicallose, the calli laminar, extending to the middle of the disc, with a central keel in the middle of the midlobe; lateral lobes retrorse, narrow at the base, transversely elliptic at the apex, margin entire; midlobe narrowly rectangular, apex dilated and bilobed, margin entire. **Column** arched, thick. **Clinandrium** short, entire. **Anther** reniform, 4-celled. **Pollinia** 4, obovoid, laterally compressed; caudicules granulate, shorter than the pollinia. **Nectary** not penetrating the ovary.

OTHER SPECIMENS: None seen.

DISTRIBUTION AND ECOLOGY: Known only from the type locality in northern Ecuador, epiphytic in cloud forest at ca. 1700-2000 m altitude. Flowering in February.

RECOGNITION: *Epidendrum cylindrostenophyllum* belongs to the cylindraceum group and is recognized by its narrow leaves, ca. 1 cm wide, inflorescence 15 cm long, small sepals and petals, 3.5-5 mm long, lateral lobes of the lip retrorse and narrow at the base, transversely elliptic at the apex. It is similar to *Epidendrum cylindrostachys* Rchb. f. & Warsc. which has a longer inflorescence, larger flowers, the sepals and petals 8-10 mm long, falcate lateral lobes of the lip. *Epidendrum cylindraceum* Lindl. has wider leaves, 2-3.5 cm wide, longer inflorescence, falcate lateral lobes of the lip, and a smaller midlobe of the lip.

CONSERVATION STATUS: DD. Data deficient.

ETYMOLOGY: From the Greek κυλινδρος, a cylinder, referring to the cylindrical inflorescence typical of this group, and στενος, narrow, and φυλλον, leaf, in reference to the narrow leaves that distinguish this species from most others of this group.

