



EPIDENDRUM JEFALLENII Hágsater & García-Cruz

THE GENUS EPIDENDRUM PART 2

Plate 339

ICONES ORCHIDACEARUM 3. 1999

EPIDENDRUM JEFEALLENII Hágsater et García-Cruz, sp. nov.

Holotype: PANAMA: Provincia Panamá: Cerro Jefe, alt. 1000 m, 13 Feb. 1977, C. Luer & J. Luer 1400 SEL! (illustration voucher). Isotype: F!

Epidendro adnato Ames & C. Schweinf. simile sed bracteis floralibus angustioribus, labello cordiformi in apice emarginato 5-6 mm lato, clinandrio prominenti, differt.

Hierba epífita, cespitosa, ca. 40 cm de alto. **Raíces** basales, carnosas, 1-1.5 mm de grosor. **Tallos** tipo caña, sencillos, rectos, teretes en la mitad basal, ancipitosos hacia el ápice, 10-15 x 0.2-0.4 cm. **Hojas** 3-5, distribuidas a lo largo del tallo; vaina tubular, ancipitosa, estriada, 20-50 mm de largo; lámina linear-lanceolada, largamente acuminada, angostamente cuneada hacia la base, 9-17 x 0.7-1.1 cm. **Espata** ausente. **Inflorescencia** apical, pluriracemosa, erecta, pudiendo florecer varias veces del mismo pedúnculo, raramente de la base del pedúnculo, 17-22 cm de largo; pedúnculo largo, ancipitoso, bialado, las alas prominentes en la base pero disminuyen hacia el ápice, 13-18 cm de largo; bráctea del racimo 1, lanceolada, aguda, conduplicada, 1.5-2.5 x 0.4-0.6 cm. **Brácteas florales** más cortas que el ovario, conduplicadas, oblongas, obtusas, imbricadas, cubriendo completamente al raquis, persistentes en el raquis sin flores, 4-8 x 3-4 mm. **Flores** 5-10 por racimo, abiertas una a la vez, sucesivas, resupinadas, verde pálido. **Ovario** ligeramente inflado en el tercio apical, no ornamentado, 10-12 x 2 mm. **Sépalos** entreabiertos, angostamente obovados, obtusos, mucronados, margen extendido, 5-nervados, 10-11 x 3-3.5 mm; los **laterales** agudos. **Pétalos** inflexos, lineares, obtusos, margen extendido, 1-nervados, 9.5-10 x ca. 0.5 mm. **Labelo** unido a la columna, entero, aspecto general cordiforme, la base cordada, con un par de senos muy ligeros hacia el ápice, ápice emarginado, con un apículo en el seno, margen entero a eroso, 4-5 x 5-6 mm; bicalloso, callos lateralmente comprimidos, carnosos; disco unicarinado, carina roma prolongándose hasta la mitad de la lámina del labelo. **Columna** ligeramente arqueada hacia el ápice, ensanchada hacia el ápice, ca. 8 mm de largo. **Clinandrio** prominente, entero, ligeramente sinuoso. **Antera** semiovada, 4-locular. **Polinios** 4, obovoides, subiguales. **Rostelo** subapical, hendido. **Lóbulos laterales del estigma** cubriendo más de la mitad de la cavidad estigmática. **Nectario** penetrando ca. de 1/3 de la longitud del ovario, ligeramente inflado, no ornamentado. **Cápsula** no vista.

Epiphytic caespitose herb. **Stems** simple, cane-like, terete at the base, ancipitose towards the apex. **Leaves** linear-lanceolate, acuminate, narrowly cuneate at the base. **Inflorescence** apical, pluriracemose, flowering several times from the same peduncle; peduncle long, ancipitose, bialate, wings prominent at the base. **Floral bracts** conduplicate, shorter than the ovary, oblong, obtuse, imbricated, hiding the rachis. **Flowers** 5-10 per raceme, successive, one open at a time per raceme, resupinate, pale green. **Ovary** slightly inflated in the apical third, not ornamented. **Sepals** partly open, narrowly obovate, obtuse, mucronate, 5-veined; **laterals** acute. **Petals** inflexed, linear, obtuse, 1-veined. **Lip** entire, cordiform, a couple of slight sinuses near the apex, apex emarginate, margin entire to erose; bicallose, callus laterally compressed, fleshy; keel 1, through the middle of lip. **Column** slightly arcuate near the apex, wider at the apex. **Clinandrium** prominent, entire to slightly sinuate. **Anther** semiovate, 4-celled. **Pollinia** 4, obovoid. **Rostellum** subapical, slit. **Nectary** penetrating 1/3 of the ovary, slightly inflated.

OTHER SPECIMENS: PANAMA: Panama: Cerro Jefe, 1.5 km before weather station, *Sytsma* 1500 AMO! Cerro Jefe, 4 mi past Cerro Azul on road to Altos de Pacora, *Sytsma* 3657 & *D'Arcy* AMO! Newly bulldozed trail of Cerro Jefe road, 0.4 km beyond turnoff to Altos de Pacora, *J. T. & F. Witherspoon* 8575 AMO!

DISTRIBUTION AND ECOLOGY: Known only from Cerro Jefe and its environs, growing epiphytically in cloud forest, between 850 and 1000 m altitude. Flowering from September to February, and apparently throughout the year, since the flowers are successive.

RECOGNITION: *E. jefeallenii* belongs to *E. allenii* L. O. Williams group, and can be recognized by its narrower floral bracts, cordiform lip, with emarginate apex and 5-6 mm wide, sepals narrowly obovate. *Epidendrum adnatum* has a entire, ovate, acute lip, 3-4 mm wide, sepals lanceolate. *Epidendrum lankesterii* Ames, has wider leaves, inflorescence longer than the apical leaves, wider floral bracts, subrounded to subovate lip, slightly lobulated toward basal half, 4 mm wide, disc without keels. *Epidendrum maduroi* Hágsater & García-Cruz, has wider leaves and floral bracts, entire, subreniform lip, disc unicarinate.



CONSERVATION STATUS: DD (data deficient).

ETYMOLOGY: Named after the mountain on which it has been collected, the Cerro Jefe, and the *E. allenii* group to which it belongs.

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