

EPIDENDRUM MADUROI Hágsater & García-Cruz
THE GENUS EPIDENDRUM PART 2

EPIDENDRUM MADUROI Hágsater et García-Cruz, *sp. nov.*

Holotype: PANAMA: Chiriquí: Norte de Guadalupe, Cerro Punta, Volcán Barú, 2000-3000 m, col. 15 Mar. 1981, pressed 22 Feb. 1983, *E. Hágsater 6468 & R. L. Dressler* AMO! (illustration voucher).

Isotype: MO! Clonotype: 8 Feb. 1984 PMA!

Epidendro lankesteri Ames simile sed sepalis petalisque aereis, labello et columnae apice pomaceo-viridi, labello subreniformi ad basim truncato 6-8 mm lato, columna arcuata et clinandrio brevi, recedit.

Hierba epífita, cespitosa, erecta, 40-55 cm de alto. **Raíces** basales, carnosas, de 1-2 mm de grosor. **Tallos** sencillos, tipo caña, rectos, teretes en la base, ancipitosos hacia el ápice, 20-30 x 0.3-1.1 cm. **Hojas** 5-9, distribuidas a lo largo del tallo; vaina tubular, estriada, 30-71 mm de largo; lámina linear-lanceolada, largamente acuminada, angostamente cuneadas hacia la base, 12-23 x 1.3-2.9 cm. **Espata** ausente. **Inflorescencia** apical, pluriracemosa, erecta a arqueada, pudiendo florecer varias veces del mismo pedúnculo, 12-20 cm de largo; pedúnculo largo, ancipitoso, bialado, las alas prominentes a todo lo largo del pedúnculo, 5-10 cm de largo; brácteas del racimo 1-2, oblongo-trianguulares, agudas, conduplicadas, 1-3.1 x 0.8-1.1 cm. **Brácteas florales** más cortas que el ovario, conduplicadas, ovado-elípticas, obtusas, ligeramente mucronadas, imbricadas, cubriendo completamente al raquis, persistentes sin flores, 5-14 x 3.5-13 mm. **Flores** 5-15 por racimo, sucesivas, 1-2 abiertas a la vez, resupinadas, sépalos y pétalos bronceado-verdosos, ápice de la columna y labelo verde manzana, callos más claros. **Ovario** terete, no ornamentado, ligeramente inflado en el tercio apical, 12-15 x 1-1.5 mm de grosor. **Sépalos** entreabiertos a extendidos, oblongo-elípticos, agudos, margen extendido, 5-nervados, 13-15 x 2.5-3 mm; los **laterales** oblicuos, 12-14 x 3.5-4 mm. **Pétalos** entreabiertos, lineares, agudos, margen extendido, 1-nervados, 12-13 x ca. 0.5 mm. **Labelo** unido a la columna, entero, aspecto general subreniforme, base truncada, ápice obtuso a redondeado, con un seno pequeño en el ápice, cortamente apiculado, margen entero, 5-6 x 6-8 mm; bicalloso, callos lateralmente comprimidos, carnosos, prominentes; disco unicarinado, carina poco evidente, prolongándose desde el frente de la columna hasta el ápice de la lámina del labelo. **Columna** arqueada, tubular, 9-11 mm de largo. **Clinandrio** corto, entero a eroso. **Antera** semiozada, 4-locular. **Polinios** 4, obovoides, subiguales; caudículas suaves y ganulosas, ligeramente más largas que los polinios; viscidio no visto. **Rostelo** hendido, subapical, elíptico. **Lóbulos laterales del estigma** cubriendo casi toda la cavidad estigmática. **Nectario** penetrando 1/3 de la longitud del ovario, no ornamentado. **Cápsula** elipsoide, púrpura, 3.3 x 1.1 cm, pedicelo delgado corto, 1.7 cm de largo, cuello apical corto, 4 mm de largo.

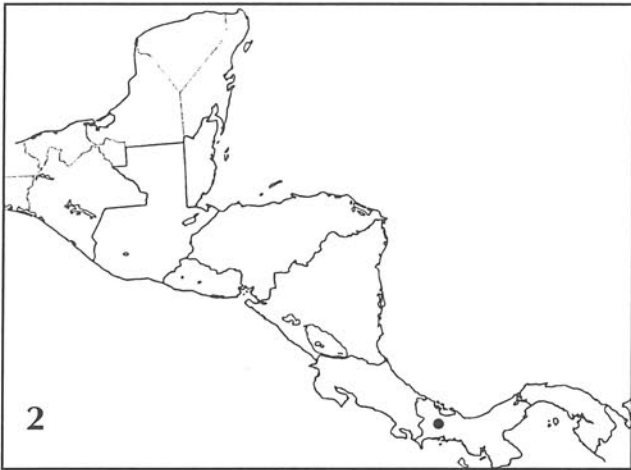
Epiphytic, caespitose **herb.** **Stem** simple, cane-like, ancipitous toward the apex. **Leaves** distributed throughout the stem; sheath tubular, striate; blade linear-lanceolate, acuminate, narrowly cuneate at the base. **Inflorescence** apical, pluriracemose, straight to arcuate, flowering some times from the same peduncle; peduncle long, ancipitous, bialate. **Floral bracts** shorter than the ovary, conduplicate, ovate-elliptic, obtuse, imbricate, hiding the rachis, persistent without flowers. **Flowers** 5-15 per raceme, successive, 1-2 open at a time, resupinate, sepals and petals bronze-greenish, lip and apex of column apple-green. **Ovary** terete, unornamented, slightly inflated at the apical third. **Sepals** partly open to spreading, oblong-elliptic, acute, 5-veined. **Petals** slightly open, linear, acute, 1-veined. **Lip** entire, subreniform, base truncate, apex obtuse to rounded, with small sinus, shortly apiculate, margin entire; bicallose, callus laterally compressed, prominent; disc unicarinate, keel slightly prominent, throughout the lip. **Column** tubular, arcuate. **Clinandrium** short, entire to erose. **Anther** semiovoid, 4-celled. **Pollinia** 4, obovoid, subequal; caudicles soft and granulose, longer than the ovary. **Nectary** penetrating 1/3 of the ovary, not ornamented.

OTHER SPECIMES: PANAMA: Chiriquí: *Maduro sub OIC 3091* SEL! *van der Werff 6444 & Herrera* SEL!

OTHER RECORDS: PANAMÁ: Chiriquí: Cerro Punta, *Hágsater 6468 & Dressler* AMO! (in spirit).

DISTRIBUTION AND ECOLOGY: Known only from the type locality, growing in cloud forest, between 2000 to 3000 m altitude. Flowering in February, probably throughout the year, since the flowers are successive.

RECOGNITION: *Epidendrum maduroi* can be recognized by its sepals and petals bronze-green, the apple-green and subreniform lip, 6-8 mm wide, the arcuate column and short clinandrium. *Epidendrum lankesteri* has a subrounded to subovate lip, slightly lobulate toward the basal half, 4 mm wide, straight column and prominent clinandrium. *Epidendrum adnatum* Ames & C. Schweinf. has narrower leaves and floral bracts, ovate, acute lip ca. 4 mm wide, disc 3-carinate and with a prominent clinandrium. *Epidendrum jefeallenii* Hágsater & García-Cruz has narrower leaves and floral bracts, and a cordiform, emarginate lip.



CONSERVATION STATUS: DD (data deficient).

ETYMOLOGY: Dedicated to Andrés Maduro, orchid amateur in Panama with a property in Guadalupe Chiriquí, where he grows orchids and where the collectors were based when collecting the type.