



EPIDENDRUM DEJEANIAE Chiron, Hągsater & L.Sánchez
 THE GENUS EPIDENDRUM PART 5

EPIDENDRUM DEJEANIAE Chiron, Hágsater et L.Sánchez, sp. nov.

Type: FRENCH GUIANA: Forested bank on the lower course of Acarauany river, hort. Mana, pressed February 2005, *Aline Dejean sub Guy Chiron 2892*. Holotype: LY! (Illustration voucher.) Flower in alcohol: AMO!

Epidendro amapensi Hágsater & L.Sánchez simile sed 5-6 floribus, labello reniformi breviter ad apicem trilobato, margine integro, lobulo medio brevi latoque, clinandrio integro, recedens.

Hierba epífita, cespitosa, simpodial, de 20 cm de alto. **Raíces** basales, de la base de los tallos, delgadas, blancas, 1.5 mm de grosor. **Tallos** sencillos, de 6-10 entrenudos, delgados y subcilíndricos en la base, de 2 mm de grosor, distalmente ensanchados y lateralmente comprimidos, ancipitosos; 17 x 0.6 cm. **Hojas** 5-7, alternas, articuladas; vainas tubulares, lateralmente comprimidas, ancipitosas, 2 x 0.6 cm; lámina elíptica, lanceolada, ápice redondeado, diminutamente bilobado, la carina dorsal terminando en una punta aristada, subcoriácea, superficie irregular, las hojas inferiores y superiores más pequeñas; 5.7-6.5 x 1.5-2.0 cm. **Bráctea espatácea** ausente. **Inflorescencia** apical, sésil, racemosa, subcorimbosa, pedúnculo ligeramente comprimido, 5-6 x 2 mm, cubierto por una hoja muy reducida, aguda, 17 x 5-6 mm. **Brácteas florales** triangulares, agudas, progresivamente menores, la inferior 6-7 mm de largo. **Ovario** cilíndrico, liso, 25-30 x 2 mm. **Flores** 5-6, simultáneas, resupinadas, concoloras, verde oscuro (verde botella). **Sépalos** lanceolados, agudos, 5-nervados, margen entero, ligeramente revolutos; los laterales oblicuos, ligeramente más anchos; 15 x 3.5-4.0 mm. **Pétalos** lineares, agudos, 1-nervados, márgenes enteros, extendidos; 13 x 0.8 mm. **Labelo** unido a la columna, reniforme, cordado en la base, brevemente trilobado en el ápice, margen entero, 7 x 12.5 mm; bicalloso, los callos, ovoideos; lóbulos laterales semiorbitales, lóbulo medio corto y ancho, ligeramente emarginado. **Columna** delgada, arqueada, 8 mm de largo, terminada en un par de alas cortas que forman el rostelo. **Clinandrio** corto, en forma de embudo, ligeramente sobrepasando la antera, margen entero. **Rostelo** apical, hendido. **Antera** esférica, 4-locular. **Polinios** 4, obovoides, lateralmente comprimidos, caudículas granuladas, viscidio semilíquido. **Nectario** penetrando 1/2 del ovario, angosto, liso.

Epiphytic, caespitose, sympodial herb. **Roots** basal, from each stem numerous, thin, white. **Stems** simple, of 6-10 internodes, the base thin, subterete, distally widened and laterally compressed, ancipitose. **Leaves** 5-7, alternate, articulate; sheaths tubular, laterally compressed, ancipitose; blade elliptic-lanceolate, apex rounded, minutely bilobed, apically short-aristate, subcoriaceous, surface irregular, the lower and upper leaves somewhat smaller. **Inflorescence** apical, sessile, racemose, subcorymbose, peduncle short, slightly compressed, covered by a reduced, acute leaf. **Floral bracts** triangular, acute, progressively smaller. **Ovary** terete, smooth, long. **Flowers** 5-6, simultaneous, resupinate, concolor, dark green (bottle green). **Sepals** lanceolate, acute, 5-veined, margins entire, slightly revolute; lateral sepals oblique, slightly wider than the dorsal sepal. **Petals** linear, acute, 1-veined, margins entire, spreading. **Lip** united to the column, reniform, base cordate, apex short-3-lobed, margin entire; bicallose, the calli obovoid; lateral lobes semiorbicular, midlobe short and wide, somewhat emarginate. **Column** thin, arching, ending in a pair of short, wings that form the rostellum. **Clinandrium-hood** funnel shaped, short, slightly surpassing the anther, margin entire. **Rostellum** apical, slit. **Anther** subspherical, 4-celled. **Pollinia** 4, obovoid, laterally compressed, caudicles granulate, viscidium semiliquid. **Nectary** penetrating half the ovary, narrow, smooth.

OTHER SPECIMENS: None seen.

DISTRIBUTION AND ECOLOGY: Endemic to French Guiana, on the forested bank on the lower course of Acarauany river, epiphytic, 5-10 m altitude. Flowering from February to March.

RECOGNITION: *Epidendrum dejeaniae* belongs to the Difforme Group which is characterized by the caespitose, sympodial plants, fleshy, pale green to glaucous leaves, apical inflorescence, sessile, rarely with a short peduncle, one-flowered to corymbose, without spathaceous bracts, fleshy, green to yellowish-green rarely white flowers. The species has laterally compressed, ancipitose, stems distally, the lip with the apex short, 3-lobed, the apical lobe short and wide, slightly emarginate, and the slightly arching column. It is similar to *Epidendrum amapense* Hágsater & L.Sánchez, distributed along the Brazilian-French Guiana border, which has 1-2 flowers, a 3-lobed lip with the margins erose, and the apical lobe transversely oblong, slightly emarginate and mucronate, and the clinandrium-hood irregular and deeply dentate. The flowers resemble those of *E. sertorum* Garay & Dunst. found on the eastern plains of Colombia and the upper Orinoco of



Venezuela, at an altitude of less than 500 m, but it has 7-15 white to greenish yellow flowers which are slightly larger (sepals 17 mm long), an entire, cordiform lip, the disc with many thickened veins. *Epidendrum difforme* Jacq. is endemic to the windward islands of the Antilles (Montserrat, Guadeloupe, Dominica, Martinique, Ste. Lucia, St. Vincent and Trinidad et Tobago), has 3-5 flowers, 15 mm long sepals, a 3-lobed lip with a square midlobe with globose calli and a low thickened keel. In the French Guiana, *E. cremersii* Hágsater & L.Sánchez has a longer ovary (30-35 mm), 1-2, rarely 3, large flowers (sepals 27-30 mm long), a large, 3-lobed lip (20-23 x 35-36 mm) with the lateral lobes surpassing the midlobe and separated from it by deep sinuses. *Epidendrum althausenii* A.D.Hawkes, ranging throughout the Amazon basin has 1-2, rarely 3 large flowers, the ovary 35-40 mm long, sepals 23-50 mm long and the lip much wider than long. *Epidendrum oldemanii* Christenson has 3-5 leaves, the apical ones progressively longer; a 2-flowered inflorescence, and the lip transversely reniform-bilobed, the margin sinuate, and the column with a prominent, dentate clinandrium-hood.

CONSERVATION STATUS: DD. Data deficient.

ETYMOLOGY: In honor of Mrs. Aline Dejean, from Mana (French Guiana) who collected and grew the pretype specimen from which the type was prepared.