



EPIDENDRUM FERREYRAE Hągsater & R.Fernández

EPIDENDRUM FERREYRAE Hágsater et R.Fernández, *sp. nov.*

Type: PERU: Amazonas: Chachapoyas: encima de Leimebamba, 3400 m, 17 abril 1964, **Ramón Ferreyra 15527**.
Holotype: USM 167258! Isotypes: AMO! (Illustration voucher). USM x3!

Epidendro lesteri Hágsater & Dodson simile sed ovarii longioribus, petalis latioribus subacutis cum vena ramosa in dimidio apicali, labello trilobato margine integro, lobulis lateralibus dolabriformibus, lobulo medio triangulari diminuto, labello *Epidendro storkii* Ames simulanti, differens.

Hierba simpodial, cespitosa, epífita, suberecta, alta. **Raíces** basales, carnosas, gruesas. **Tallos** sencillos, tipo caña, teretes, gruesos, hasta 1.8 cm de grosor. **Hojas** varias, distribuidas en los 2/3 apicales del tallo, dísticas, extendidas, algunas recurvadas, coriáceas; vainas tubulares, estriadas, teñidas de rojizo, 3-9 x 0.9-1.8 cm; lámina angostamente lanceolada, aguda, con una quilla dorsal baja, verde en el haz a levemente teñida de rojizo en el ápice y el envés, lisa, margen entero, 20 x 3.7-4.3 cm. **Bráctea espatácea** 1, conduplicada, elíptica, subaguda, margen entero y ligeramente involuto, 16 x 5 cm. **Inflorescencia** apical, paniculada, pesada, los racimos muy densos, nutantes, 34 cm de largo; pedúnculo corto, terete, grueso, recto, 5 cm de largo; con una bráctea en la base de cada racimo, semejantes a la bráctea espatácea pero ligeramente menores, 10-13 x 5-6 cm; raquis grueso, terete, recto. **Brácteas florales** mucho más cortas que el ovario, linear triangulares, agudas, 3-18 mm de largo. **Flores** ca. 70 en el racimo mayor, los racimos laterales mucho menores, casi simultáneas, verdosas, fuertemente teñidas de púrpura; fragancia no registrada. **Ovario** largo, terete, delgado, no inflado, no ornamentado, 20-40 mm de largo. **Sépalos** libres, entreabiertos, elíptico oblongos, obtusos, diminutamente apiculados, 4-5-nervados, margen entero, 15-18 x 6-7 mm; los **laterales** ligeramente oblicuos. **Pétalos** libres, entreabiertos, oblanceolados, subagudos, 1-nervados, la nervadura ramificada arriba, ligeramente oblicuos, margen entero, 13-15 x 2.5-3 mm. **Labelo** unido a la columna, trilobado, base profundamente cordada, margen entero, 13 x 16 mm; bicalloso, los callos esféricos, pequeños; disco provisto de 3 quillas, romas, lisas, bajas; lóbulos laterales dolabriformes, 6 x 11 mm; lóbulo medio subtriangular, 3.5 x 3.0 mm. **Columna** recta, 10 mm de largo. **Clinandrio** recto, corto, margen entero. **Antera** reniforme, con una quilla baja al frente, 4-ocular. **Polinios** 4, obovoideos, lateralmente comprimidos. **Rostelo** apical, hendido. **Lóbulos laterales del estigma** de 1/3 del largo de la cavidad estigmática. **Nectario** corto, penetrando levemente el ovario, delgado, no inflado, liso. **Cápsula** no vista.

Epiphytic, suberect, sympodial, caespitose herb. **Roots** basal, thick, fleshy. **Stems** simple, cane-like, terete, thick. **Leaves** several, distributed throughout the apical 2/3 of the stem, distichous, spreading, somewhat recurved, coriaceous; sheaths tubular, striated, reddish tinted; blade narrowly lanceolate, acute, with a low dorsal keel, dark green above, with the apex and underside reddish, smooth, margin entire. **Spathaceous bract** 1, conduplicate, elliptic, subacute, margin entire and slightly revolute. **Inflorescence** apical, paniculate, with heavy, dense-flowered, nutant racemes; peduncle, short, terete, thick, straight; with a large bract at the base of each raceme, similar to the spathaceous bract, but somewhat shorter; rachis terete. **Floral bracts** much shorter than the ovary, linear-triangular, acute. **Flowers** about 70 on the main raceme, fewer on the lateral racemes, simultaneous, greenish, strongly tinged with purple. **Ovary** long, terete, thin, smooth. **Sepals** free, partly spreading, elliptic-oblong, obtuse, minutely apiculate, 4-5-veined, margin entire; the lateral sepals slightly oblique. **Petals** free, partly spreading, oblanceolate, subacute, 1-veined, slightly oblique, margin entire, the veins branching above. **Lip** united to the column, 3-lobed, base deeply cordate, margin entire; bicallose, the calli spherical, small; disc provided with 3 low, smooth, rounded keels; lateral lobes dolabriform; midlobe subtriangular. **Column** straight. **Clinandrium**-hood straight, short, margin entire. **Anther** reniform, with a low keel in front, 4-celled. **Pollinia** 4, obovoid, laterally compressed. **Rostellum** apical, slit. **Nectary** short, barely penetrating the ovary, smooth, narrow.

OTHER SPECIMENS: None seen.

DISTRIBUTION AND ECOLOGY: Known only from the Amazon slope of the Andes in the upper basin of the Marañón River in northern Peru, epiphytic in wet cloud forest, at 3400 m altitude. Flowering in April.

RECOGNITION: *Epidendrum ferreyrae* belongs to the Excisum Group and Subgroup which is characterized by the sympodial, caespitose habit, cane-like stems with numerous leaves, the inflorescence racemose or an open panicle with few branches, the 1-2 large spathes at the base of the inflorescence, the 3-lobed lip and medium sized flowers. The species is recognized by the tall stems, prominent, conduplicate spathaceous bract, with similar, though somewhat smaller bracts subtending the branches of the inflorescence, the greenish flowers, with the outer tepals more or less purple, the oblanceolate, subacute petals, and the 3-lobed lip with an entire margin, the lateral lobes dolabriform, and the much smaller midlobe subtriangular, reminiscent of the unrelated Costarican *E. storkii* Ames. It is very similar to *E. lesteri* Hágsater & Dodson which has lanceolate, acute, dark green leaves with the underside reddish, the pink-colored, obtuse spathe, the nutant, dense-flowered inflorescence branching near the base into several similar racemes, and the greenish, pale burgundy-red tinged flowers; the petals linear, the lateral lobes of the lip subreniform; midlobe rectangular, the apex truncate, somewhat bilobed, short-apiculate. It closely resembles *Epidendrum orthoclinium* Hágsater & Dodson which has narrower leaves, a more lax-flowered inflorescence, smaller, greenish yellow flowers, acute petals, and the clinandrium hood upturned, with the margin erose. *Epidendrum excisum* Lindl. has laterally flattened stems, an erect to arching, lax-flowered, paniculate inflorescence, the flowers light yellowish green more or less tinged with copper. *Epidendrum tenuispathum* C.Schweinf. has a somewhat similar habit, with an erect, paniculate inflorescence, and the lip wider than long.



CONSERVATION STATUS: DD. Data deficient. Apparently very rare.

ETYMOLOGY: In honor of Ramón Ferreyra Huerta (1912-2005), founder and director (1961-1981) of the herbarium (USM) de la Universidad Nacional Mayor de San Marcos, in Lima, Perú, who collected the type and over 22,000 numbers during his lifetime, mainly in Peru. Numerous species and two genera in the Asteraceae, *Ferreyranthus* and *Ferreyrella* have been dedicated to him.

REFERENCES: Hágsater, E. & C. H. Dodson, *Epidendrum lesteri* Hágsater & Dodson. In E. Hágsater & L. Sánchez, eds., *Icones Orch. (Mexico City)* 7: pl. 754. 2004.

Author: E. Hágsater

Illustrator: R. Jiménez M.

Editors: E. Hágsater & L. Sánchez S.

Herbario AMO Apartado Postal 53-123, 11320 México, D.F., MÉXICO ICONES ORCHIDACEARUM 9. 2007. Plate 936