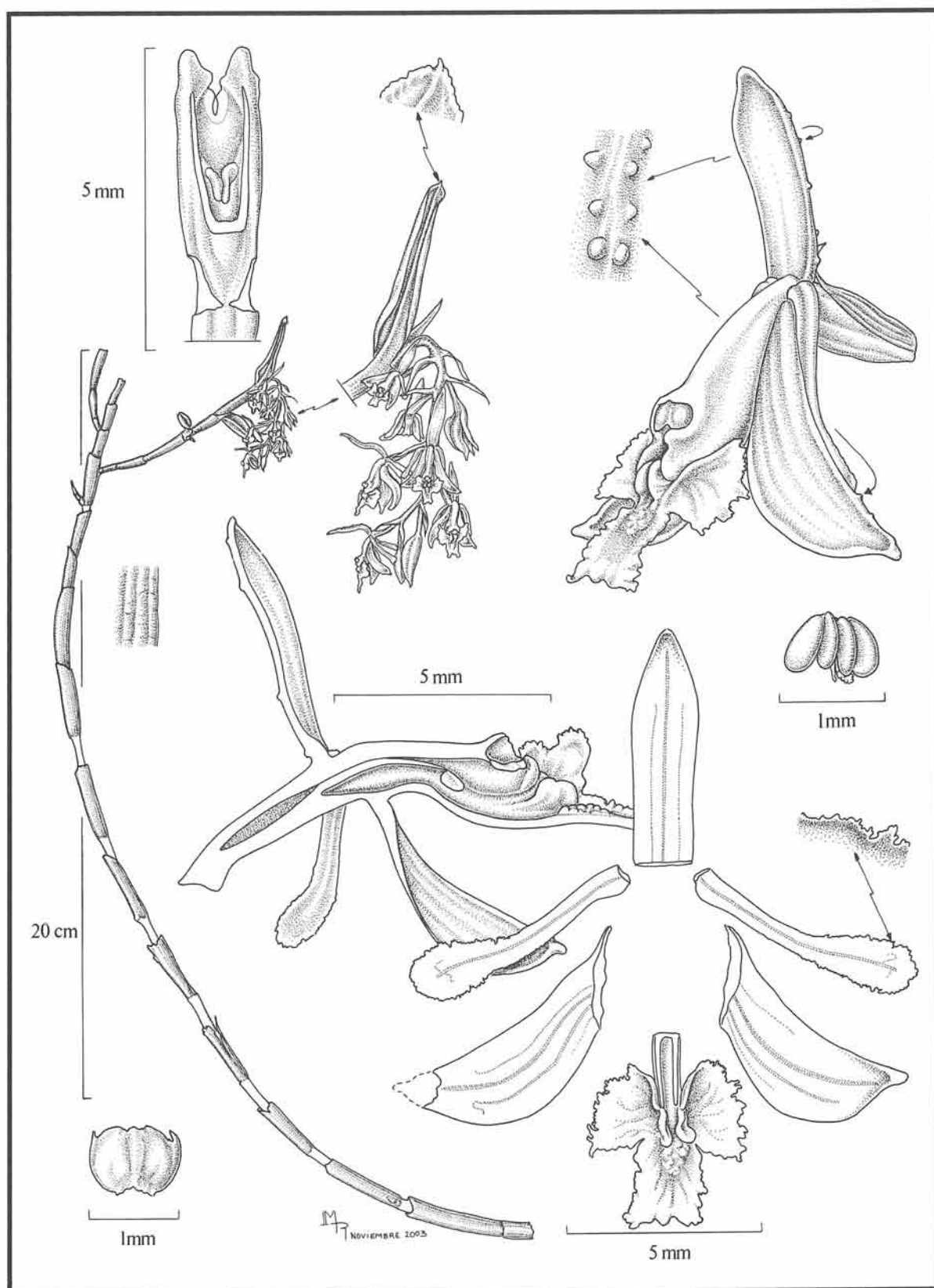




EPIDENDRUM COLLICULOSUM Hágsater & E. Santiago
 THE GENUS EPIDENDRUM PART 4

EPIDENDRUM COLLICULOSUM Hágsater et E. Santiago, *sp. nov.*

Type: COLOMBIA: Nariño: Crater lake on the east slope of Vulcan Galeras, ca. 3200 m, 21 January 1979, *Carlyle & Jane Luer 3746*. Holotype: SEL! (Illustration voucher).

Epidendro tenuicauli Lindl. simile sed sepalis dorsaliter tuberculatis, petalis descendentibus, labello massam amorpham calliculosam inter antice callos ferenti, labelli marginibus, praesertim lobi medii, valde eroso-fimbriatis, differens.

Hierba epífita, ramificada, de más de 30 cm de alto. **Raíces** no vistas. **Tallos** ramificados, tipo caña, teretes, delgados, erectos; el principal largo, de más de 30 x 0.17-0.20 cm, las ramificaciones se producen de los internodos apicales del tallo, aparentemente más cortas, 5.5 x 0.17 cm. **Hojas** en el tallo principal no vistas, 4 en las ramificaciones, distribuidas hacia la mitad apical de los tallos; vainas tubulares (ligeramente infladas cuando secas, sin llegar a ser infundibuliformes), estriadas, rugosas, 1.2-2.0 x 1.9-3.6 mm; lámina angostamente lanceolada, ápice agudo, margen entero, ligeramente revuelto cuando seco, con una quilla dorsal, 1.5-2.5 x 0.4-0.5 cm. **Bráctea espátacea** ausente. **Inflorescencia** apical, racemosa, arqueada, nutante, densiflora, 2.3 cm de largo, pedúnculo corto, terete, delgado, desprovisto de brácteas, 3 mm de largo; raquis terete, delgado, 2.0 mm de largo. **Flores** 10, resupinadas, simultáneas, de color blanco con difuminaciones púrpuras; sin datos de fragancia. **Brácteas florales** tan largas como el ovario, angostamente lanceoladas, largamente acuminadas, gradualmente más cortas, 3-6 mm de largo. **Ovario** terete, delgado, no inflado, no ornamentado, 5-6 mm de largo. **Sépalos** subagudos, 3-nervados, margen entero, dorsalmente tuberculados, 5.6-5.8 x 2-2.2 mm; el **dorsal** extendido, libre, oblongo oblanceolado; los **laterales** descendentes, fusionados de manera oblicua a la parte basal de la columna, oblongos, falcados, aristados. **Pétalos** descendentes, libres, linear oblanceolados, redondeados, 1-nervados, margen apical fuertemente eroso dentado, 5.6 x 1.3 mm. **Labelo** unido a la columna, trilobado, base profundamente cordada, margen fuertemente eroso fimbriado, 4.2 x 4.2 mm; bicalloso, los callos gruesos, alargados hasta la base del lóbulo medio, con una masa amorfa y coliculosa entre y frente a los callos; lóbulos subiguales, lóbulos laterales dolabriformes, 1.7 x 2.7 mm; lóbulo medio rectangular, truncado, diminutamente apiculado, 2.1 x 1.8 mm. **Columna** ligeramente arqueada, obcónica en el ápice, 5 mm de largo. **Clinandrio** corto, márgenes laterales crenulados. **Antera** reniforme, con una quilla roma y baja en la parte media, 4 locular. **Polinios** 4, obovoides, lateralmente comprimidos. **Rostelo** subapical, hendido. **Lóbulos laterales del estigma** de ¼ del largo de la cavidad estigmática. **Nectario** penetrando a la altura del sépalo dorsal, liso. **Cápsula** no vista.

Epiphytic, branching herb. **Stems** branching, cane-like, terete, thin, erect; the main stem long, the branches from the apical internodes, apparently shorter. **Leaves** 4 on the branches, distributed along the apical half; sheaths tubular (slightly inflated when dry, but not infundibuliform), striated, rugose; blade narrowly lanceolate, apex acute, margin entire, slightly revolute when dry, with a dorsal keel. **Inflorescence** apical, racemose, arching, nutant, dense-flowered, peduncle short, terete, thin; rachis terete, thin. **Flowers** 10, resupinate, simultaneous, white, tinged with purple. **Floral bracts** as long as the ovary, narrowly lanceolate, long-acuminate, progressively shorter. **Sepals** 3-veined, subacute, margin entire, dorsally tuberculate; the **dorsal** spreading, free, oblong-oblanceolate; the **laterals** descending, obliquely fused with the basal part of the column, oblong, falcate, aristate. **Petals** descending, free, linear-oblanceolate, rounded, 1-veined, apical margin strongly erose-dentate. **Lip** united to the column, 3-lobed, the lobes subequal, base deeply cordate, margin strongly erose-fimbriate; bicallose, the calli thick, elongate, reaching the base of the midlobe, with an amorphous, colliculose mass in front of and between the calli; lateral lobes dolabriform; midlobe rectangular, truncate, minutely apiculate. **Column** slightly arched, apex obconical. **Clinandrium** hood short, lateral margins crenulate. **Anther** reniform, with a low, rounded keel, 4-celled. **Pollinia** 4, obovoid, laterally compressed. **Rostellum** subapical, slit. **Nectary** penetrating as far as the base of the dorsal sepal, smooth.

OTHER SPECIMENS: None seen.

DISTRIBUTION AND ECOLOGY: Known only from the type, on the Volcán Galeras in southern Colombia, at about 3200 m altitude. Flowering in January.

RECOGNITION: *Epidendrum colliculosum* belongs to the Scabrum Group, Cuniculatum Subgroup, which is characterized by the monopodial, branching habit, adpressed leaf-sheaths, acute leaves, and 3-lobed lip. The species is recognized by the bushy, branching, short plants, narrow leaves, mostly less than 5 mm wide (at least on the branches), the arching small inflorescence with simultaneous flowers, white with a purple tinge, the lateral lobes of the lip well developed, dolabriform, an amorphous, colliculose mass in front of and between the calli, the whole margin of the lip strongly erose-fimbriate and a short nectary. It is very similar to *Epidendrum tenuicaule* which has greenish yellow flowers, glabrous sepals and the midlobe of the lip has an entire margin and three low keels in front the callus. *Epidendrum cuniculatum* Schltr. has a deeper nectary, penetrating more than half the ovary, a larger, funnel-shaped clinandrium with the margin sinuous, and very short, reniform, lateral lobes of the lip, with a sinuous margin. It grows in the same region as *Epidendrum angustissimum* Lindl. (syn. *Epidendrum chortophyllum* Schltr.) which forms a more open bush, and has linear-lanceolate, acuminate leaves to 3.5 mm wide, the rachis of the inflorescence longer, to 5.3 cm long and the lateral lobes of the lip semi-orbicular.

CONSERVATION STATUS: DD. Data deficient.

ETYMOLOGY: From the Latin *colliculosus*, covered with little rounded or hillock-like elevations.



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