

Gómez-Laurito et al. 1995

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Gesneriana 1(1): 15-17.

REFNO: 2401

KEYWORDS:

Costa Rica, Drymonia

A New Species of *Drymonia* (Gesneriaceae) from Costa Rica

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ABSTRACT: *Drymonia submarginalis* from the tropical rain forests of Costa Rica is described and illustrated.

KEY WORDS: Gesneriaceae, *Drymonia*, rain forests, Costa Rica.

About 20 species of the large neotropical genus *Drymonia* Martius have been recorded from Costa Rica (MORTON, 1938; SKOG, 1978). They are predominantly epiphytic vines and subshrubs in rain and wet forests; a few are terrestrial subshrubs or succulent herbs. *Drymonias* are pollinated by euglossine bees, hummingbirds, bats and moths. The center of diversity of the genus is Colombia and Ecuador (WIEHLER, 1983).

* *Drymonia submarginalis* Gómez-Laurito & Chavarría, sp. nov.

Figure 1

Species insignis foliis aequalibus, nervis submarginalibus conspicue, sepalis 5, foliosis, inaequalibus, corollis infundibularibus, albis, fauce lutea, lobulis superioribus reflexis, rubro-lineolatis, lobulis inferioribus (3) rectis, albis, luteo-suffusis, marginibus fimbriatis, fructibus compressis, pubescentibus a speciebus nobis notis bene distincta.

Epiphytic subshrub to 50 cm tall; stems quadrangular, flexuosus, succulent, glabrous, 5-8 mm in diameter, the internodes ca. 1 cm long, the nodes conspicuous; leaves opposite, very unequal in a pair, petioles 8-10 mm long, the lamina elliptic, 20-25 cm long, 4-7 cm wide, subcoriaceous, with 7-12 pairs of secondary veins, the venation slightly raised below, with conspicuous loops connected near the margins, the apex usually abruptly acuminate, the base rounded, dark green above, light green below, glabrous on both sides. Inflorescences in the upper leaf axils, 1-few flowered, peduncles lacking, bracts small, to 5 mm long, setaceous; calyx with 5 sepals, leaf-like, 4 cm long, 2-3 cm wide near the cordate base, acuminate at the tip, green, glabrous or with minute strigose hairs at the base, the posterior lobe smaller, lanceolate, 3 cm long, 1 cm wide; corolla oblique in the

calyx, funnellform, the spur 1 cm long, 0.6 cm wide, the tube 2.5 cm long, white, glabrous or somewhat puberulous, broader toward the limb, the lobes ovate, acute, to 11 mm long, the upper lobes reflexed, red-lineolate, the lower lobe straight, tinged with yellow, 18-20 mm long, 12 mm wide, the margins fimbriate, the throat light yellow; stamens included, the filaments broad, fleshy at the base, filiform above, to 2 cm long, yellow, glabrous, coiling after the pollen is shed, the anthers oblong, 4-5 mm long; nectary reduced to a fleshy, whitish posterior gland; ovary oblong, ca. 7 mm long, sparsely pubescent. Fruit a fleshy capsule, green, laterally somewhat compressed, pubescent; seeds not seen.

TYPE: COSTA RICA: ALAJUELA: Reserva Biológica Alberto M. Brenes (formerly Reserva Forestal San Ramón), sendero por la fila al NO del río, 10°13' N, 84°37' W, 900 m, 24 Aug. 1994, J. Gómez-Laurito, G. Herrera, V. Mora et al. 12675 (HOLOTYPE: USJ; ISOTYPES: CR, F).

ADDITIONAL MATERIAL EXAMINED: COSTA RICA: ALAJUELA: Reserva Biológica Alberto M. Brenes, 10°13' N, 84°37' W, 850-1000 m, 29 Sept. 1991, S. Martén 105 (USJ); same locality, 2 Sept. 1986, I. A. Chacón et al. 2238 (CR), same locality, 5 Aug. 1986, I. A. Chacón 2197 (CR); same locality, 24 Oct. 1993, J. Gómez-Laurito & V. Mora 12489 (CR, F, MO, USJ); 15 km NW of Arenal by air, 10°34' W, 700 m, 30 Apr. 1983, R. Liesner et al. 15061 (CR, MO). HEREDIA: Sarapiquí: Rara Avis, ca. 15 km al SO de Horquetas, alrededores del hotel y Quebradita Charral, 10°17' N, 84°02' W, 400 m, 29 Sept. 1989, O. Vargas 140 (CR); ibidem, 20 Apr. 1988, B. Hammel et al. 16707 (INB). LIMÓN: Cantón de Pococí: Sardinias, 10°38'38" N, 83°44'10" W, 0-50 m, 23 Nov. 1993, Flor Araya & J. Corrales

Handwritten notes: "NO" and other illegible scribbles.

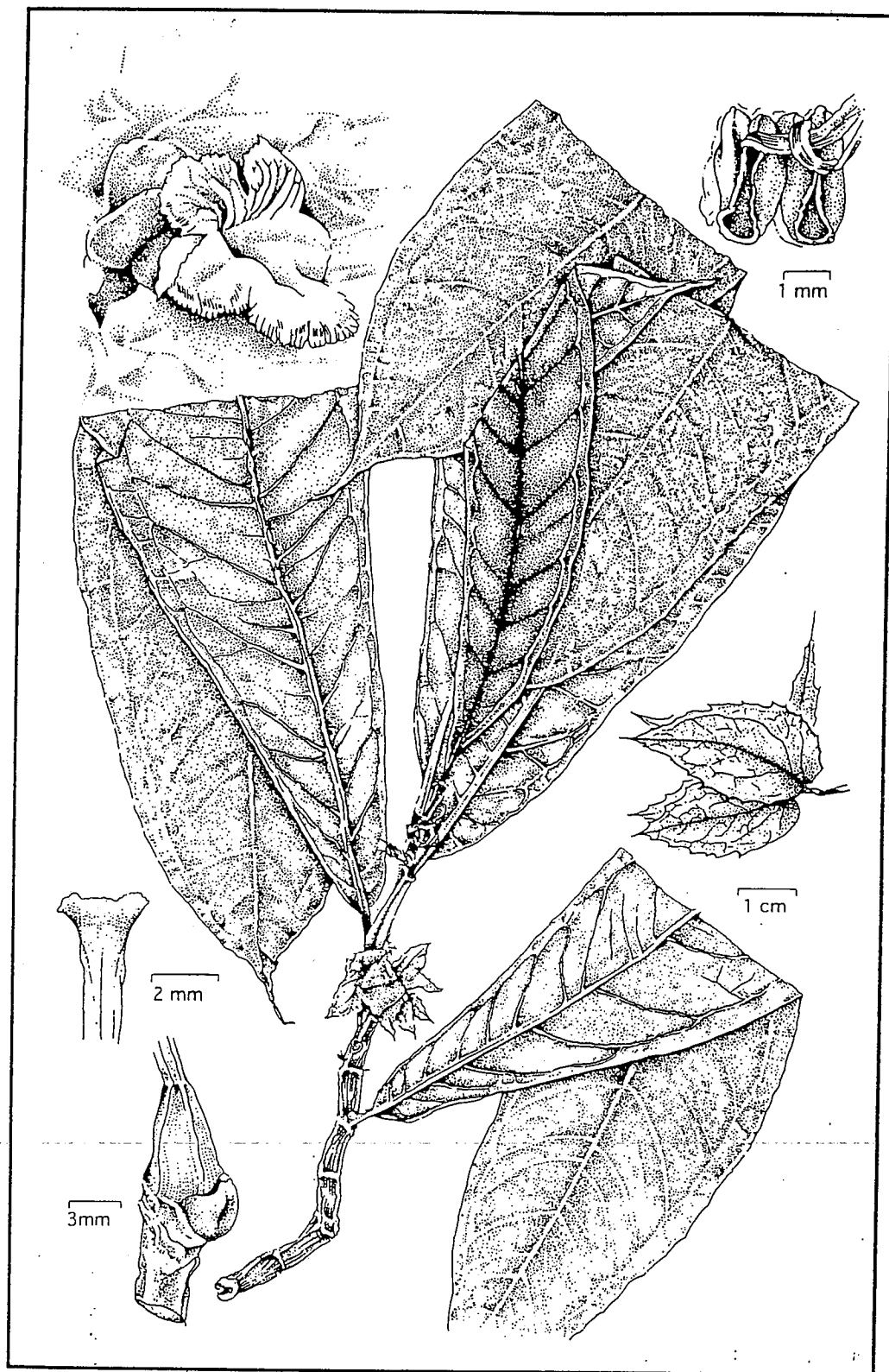
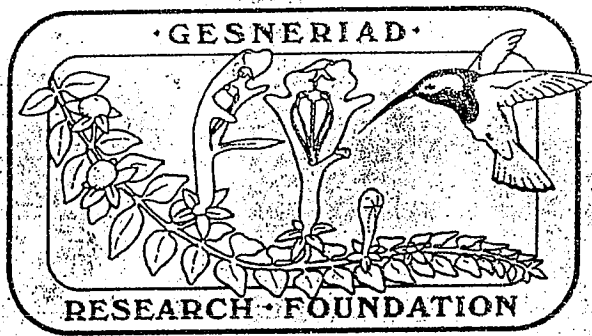


Figure 1: *Drymonia submarginalis* Gómez-Laurito & Chavarría Costa Rica
Voucher specimen: Hammel et al. 16707 (INB).
Illustrator: Silvia Troyo, 1994.



Sarasota, Florida

Gesneriada

A Journal for Biological Research in the Plant Family Gesneriaceae

Volume 1 Number 1

1995