

Microchilus fuscatus Ormerod, *sp. nov.* TYPE: PANAMA. Panama: Gorgas Memorial Labs, Yellow Fever research camp, "Campamento Quatro", 5–10 km NE of Altos de Pacora, 600 m, 21–24 November 1974, S. Mori & J. Kallunki 3412 (Holotype: MO). Fig. 16.

Affinis *M. tridax* (Rchb.f.) Ormerod *sed petalis floribus oblique oblongo-lanceolatis (non ligulato-lanceolatis) differt.*

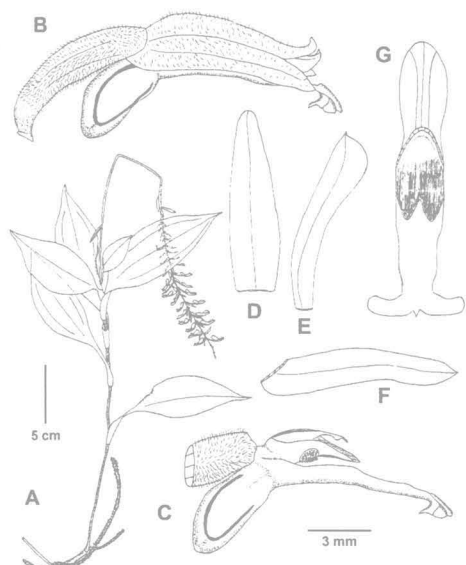
Erect terrestrial herb. Rhizome terete, rooting at nodes, to 10 cm long. Stem terete, 5–8-leaved, 5.6–9.0 × 0.15–0.25 cm; internodes 0.40–2.55 cm long. Leaves obliquely ovate, acute, drying a midbrown to sooty black above, grayish-brown below, 1.9–4.7 × 1.00–2.25 cm; petiole and sheath 0.65–2.00 cm long. Inflorescence pubescent, 15.3–16.8 cm long; peduncle 10.2–12.4 cm long; sheathing bracts 3–5, scattered, 0.7–1.2 cm long; rachis subclaxly 20–30-flowered, 2.9–6.6 cm long; floral bracts ovate-lanceolate to widely rhombic-ovate, acute, to 5.5 × 3.0 mm. Pedicellate ovary fusiform, pubescent, 5.5 mm long. Flowers externally pubescent, white, epichile and petal apices warm red-brown in rehydrated flowers. Dorsal sepal ovate-lanceolate, subacute, 4.4–5.0 × 1.8–2.0 mm. Lateral sepals obliquely oblong-lanceolate, inside apex subcalceolate, 5.0 × 1.5 mm. Petals obliquely oblong-lanceolate, obtuse, apices slightly thickened, 4.9 × 1.4 mm. Labellum spurred, trilobed, joined to column for 1.2 mm; spur conical, obtuse, 2.8 mm long; hypochile ovate-cuneate, 5-veined, 3 mm long, 2 mm wide basally, narrowing to 0.9–1.0 mm wide; epichile transversely ligulate-subanchoriform, 0.9 × 3 mm. Column short, stout, 2.1 mm long.

Distribution: Panama.

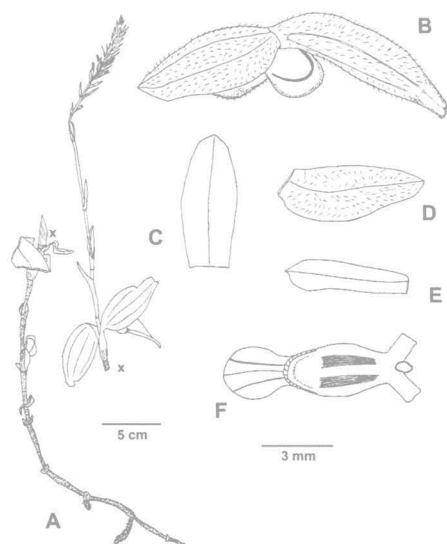
Habit: in forest on ridge top, 600 m.

This species is related to *M. tridax* (Rchb.f.) Ormerod but it has flowers with a somewhat more broadly conical spur and broader obliquely oblong-lanceolate petals. In *M. tridax* the spur is subcylindric-conical and the petals are rather evenly ligulate-oblong-lanceolate and about 1 mm wide.

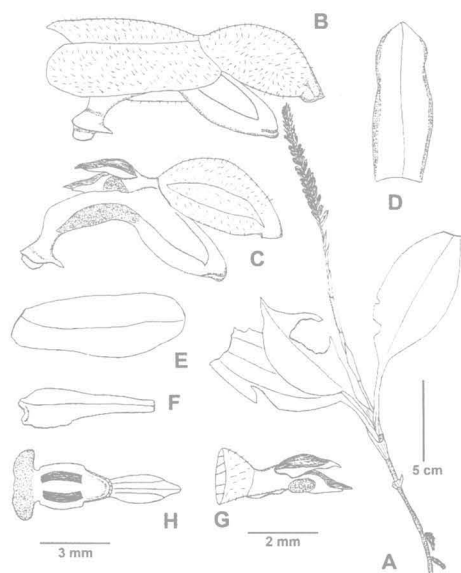
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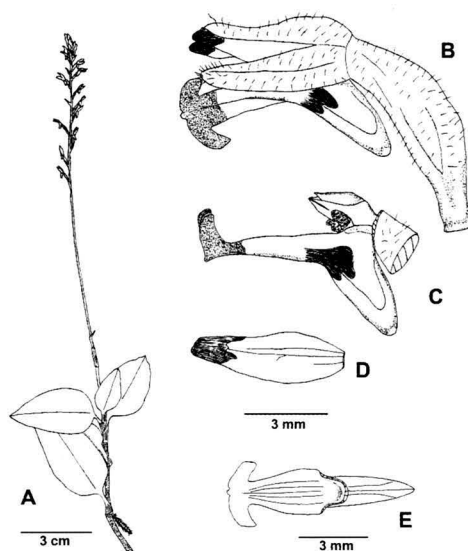
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16



FIGURES 13–16. *Microchilus* species. **13**, *M. crassibasis* ssp. *canarensis*. A, plant; B, flower; C, flower minus tepals; D, dorsal sepal; E, petal; F, lateral sepal; G, labellum and spur (drawn from holotype). **14**, *M. cundinamarcae*. A, plant; B, flower; C, dorsal sepal; D, lateral sepal; E, petal; F, labellum and spur (drawn from holotype). **15**, *M. epiphyticus* (Dressler) Ormerod. A, plant; B, flower; C, flower minus tepals; D, dorsal sepal; E, lateral sepal; F, petal; G, column; H, labellum and spur (drawn from *P. H. Allen* 1792, BM). **16**, *M. fuscatus*. A, plant; B, flower; C, flower minus tepals; D, petal; E, labellum and spur (drawn from holotype).