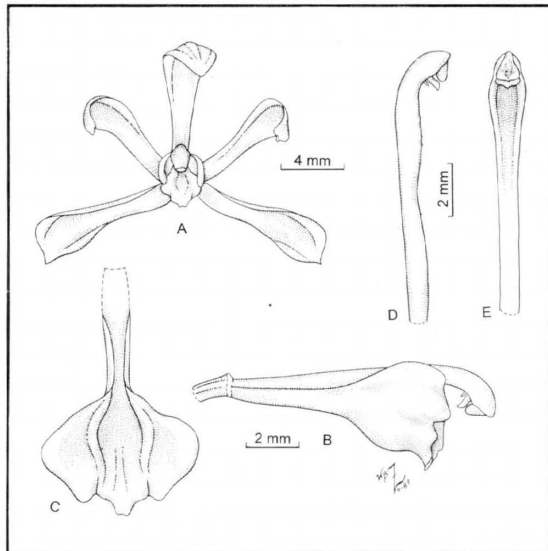


PALMORCHIS TRINOTATA Dressler, sp. nov.

Herba terrestris caespitosa. Folia plura, elliptica vel obovato-elliptica, breviter acuminata. Inflorescentia terminalis. Pedunculi pars inferior gracilis, pars superior dense invicem pluriflora. Bractea oblanceolata. Sepala et petala oblanceolata. Labellum columnae basi alte adnatum, in laminam rhombicam expansum; lamina leviter trilobata; lobi laterales trapezoideo-deltaeidei; lobus intermedius deltaeideis, discus callo leviter incrassato ornatus.

Plant 35-40 cm tall; leaves several, plicate, petioles 5-7 cm, blades elliptic or obovate-elliptic, short-acuminate, 16-28 x 5.5-10.2 cm; inflorescence terminal, peduncle slender, to 3.5 cm, raceme dense

(successive), 3-5 cm long, bracts oblanceolate, concave, 10-11 mm long; ovary and pedicel 7-8 mm; dorsal sepal oblanceolate, concave, 13-14 x 3-3.1 mm; lateral sepals asymmetrically spatulate-oblanceolate, 11-12 x 3.7-4 mm; petals oblanceolate, subfalcate, ca. 11 x 3 mm; lip ca. 11 x 6 mm, broadly rhombic, shallowly 3-lobed distally, lateral lobes trapezoid-deltoid, lip medially thickened, midlobe rounded deltoid, with a short, recurved apicule; column slender, distally arched, ca. 11 mm.



Palmorchis trinotata

(Dressler 3685)—A. Flower. B. Lip and column, from side. — C. Lip. — D. Column, lateral view. — E. Column, ventral view.

HOLOTYPE: Panamá: Colón: lower Río Guanche; 21 Aug. 1974; sepals and petals pale green, lip with 3 lilac streaks; *R. L. Dressler 4680*, (MO, Isotypes: FLAS, PMA, SEL). **PARATYPES:** Prov. Panamá, Cerro Jefe, elev. ca. 700 m; 19 July 1969; *R. L. Dressler 3685* (FLAS).

In 1983 I treated the plants of central Panama as *P. silvicola*, though the considerable gap between eastern Costa Rica and central Panama cast some doubt on the identity of these two populations (Dressler 1983, 1984). Now I have seen the one good specimen from Costa Rica, and while the plants of central Panama are similar to *P. silvicola*, I must consider them to represent a distinct species, which is here named as *P. trinotata* in reference to the three rose-purple streaks on the lips of the Panamanian species. One observation made on Cerro Campana suggests that the flower buds spontaneously open only slightly, but then open abruptly and completely when disturbed by a pollinator or a photographer's finger tip (Dressler 1983, 1984).

En 1983 yo traté las plantas de Panamá central como *P. silvicola*, aunque la considerable distancia entre Costa Rica oriental y Panamá central dejaban cierta duda sobre la identidad de estas dos poblaciones (Dressler 1983, 1984). Ahora que he visto un buen ejemplar de Costa Rica, y aunque las plantas de Panamá central son similares a *P. silvicola*, debo considerarlas como representantes de una especie diferente la cual se nombra como *P. trinotata* en alusión a las tres rayas de color rosa-morado en los labelos de la especie de Panamá. Una observación hecha en Cerro Campana sugiere que los botones de las flores abren espontáneamente solo en forma parcial, pero que lo hacen abrupta y completamente cuando son molestados por un polinizador o por el dedo de un fotógrafo (Dressler 1983, 1984).