

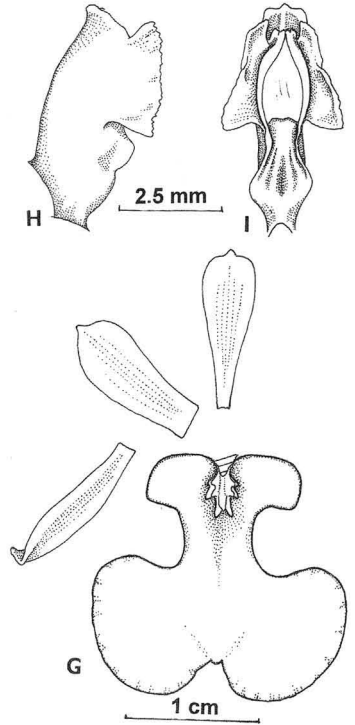


FIGURE 1. New species of *Cischweinfia* and *Oncidium*. A–C. *Cischweinfia nana*. A. Flower. B. Perianth, spread. C. Column lateral view. D–F. *Oncidium allenii*. D. Perianth, spread. E. Column, lateral view. F. Column, ventral view. G–I. *Oncidium punctulatum*. G. Perianth, spread. H. Column, lateral view. I. Column, ventral view. A–C, based on R.L. Dressler 5700, flowers in alcohol; D–F, based on P.H. Allen 2923; G–I, based on R.L. Dressler 6274.

***Oncidium punctulatum*** Dressler, sp. nov.  
 TYPE: Panama. Chiriquí: Cerro Colorado, arriba de Chami, elev. 1300–1700 m,

bosque nuboso, 1 Nov. 1999, *R.L. Dressler & J.T. Atwood* 6274 (Holotype, MO; Iso-type, PMA). FIGURE 1G–I.

Herbae epiphyticae, pseudobulbis bi- vel trifoliatis; inflorescentia erecta, simplex vel pauciramosa; sepal elliptica vel oblanceolata, apiculata; petala oblonga, apiculata; labellum trilobatum, lobulus medius magnus transverse reniformis, lobis lateralibus oblongis, parvis; columna bialata.

Epiphytic, caespitose, roots 0.5–1 mm in diameter, pseudobulbs ovoid, compressed, sulcate, purple-spotted, 2.5–6 × 1.5–2.2 cm, with 1 or 2 apical leaves and 2 or 3 sheathing leaves; sheaths 4–5 cm long, blades ligulate, subobtusate, narrowed basally, 12–30 × 1.3–2.6 cm; inflorescences lateral, peduncle 10–27 cm long, peduncle bracts 2.3–3 cm long, tubular, acute; raceme 3–20 cm long, occasionally with one branch; floral bracts oblong, acute, carinate, 10–21 × 3–6 mm; flowers yellow with small brown spots on sepals, petals and near callus; dorsal sepal cuneate, oblanceolate-obovate, apiculate, 9–15 × 4.5–6.5 mm; lateral sepals unguiculate, oblong or obovate-oblong, apiculate, carinate, 11–16 × 4–5 mm; petals oblong, apiculate, 11–15 × 3.5–7 mm; lip 20–22 × 11–13 mm basally, 24–28 mm wide distally, lateral lobes rounded, oblong or subtriangular, 4.5–5 × 4–5 mm, callus 4–5 × 3–3.5 mm, 1–1.5 mm tall, with a prominent median keel and 8–10 minor lobes, isthmus 3–7 × 6–8 mm, midlobe transversely reniform, retuse, 12–16 × 24–29 mm; column 5–5.5 mm, wings 0.6–1 × 3–4 mm; tabula infrastigmatica rounded, ca. 1.5 × 0.8 mm.

When I first saw that *Oncidium punctulatum* represented a distinct and unnamed species, I hoped to find more material, but there is a good bit of material already in herbaria, usually identified either as *O. bracteatum* Warsz. & Rchb.f. or *O. obryzatum* Rchb.f. (= *O. klotzschianum* Rchb.f.). Though *O. punctulatum* does have conspicuous peduncular and floral bracts, the larger bracts are only 1.5–2 cm long, as compared with ca. 3 cm long in *O. bracteatum*, and the bracts of *O. punctulatum* are thinner and less opaque. *Oncidium klotzschianum* is the most abundant and conspicuous species of *Oncidium* in the mountains of western Panama, and its petals are much wider and more truncate than those of *O. punctulatum*. Also, *O. klotzschianum* has large, many-flowered panicles, while *O. punctulatum* has either a raceme or a panicle with only one or two small, basal branches. In *Oncidium punctulatum* the many small spots on the sepals and petals contrast quite markedly with the larger blotches of *O. bracteatum*, *O. klotzschianum* and most other Central American species. The epithet *punctulatum* refers to these small spots.

PARATYPES: Panama. Chiriquí: Cerro Colorado, *T. Croat s.n.* (MO), *R.L. Dressler* 5613 (FLAS), *J.P. Folsom & L. Collins* 1760A (MO), *C. Luer, J. Luer & R.L. Dressler* 1414 (SEL), 1438 (SEL), 1438B (SEL), *C. Luer, J. Luer, R.L. Dressler & K. Dressler* 10550 (MO). Veraguas: Vicinity of Escuela Agrícola Alto Piedra, near Santa Fé, *T. Antonio* 2935 (MO), *T. Croat* 48945 (MO), *R.L. Dressler* 5241 (FLAS), 5549 (MO), *S. Knapp & K. Sytsma* 2567 (MO).