

*Sobralia (Globosae) nutans* Dressler, *sp. nov.*

FIG. 5-7

HOLOTYPE: PANAMÁ. Bocas del Toro: Km. 63, al norte de Fortuna, alt. 1050 m, 9 sep. 2001, terrestre; flores péndulas, blancas o crema, sépalos amarillentos por fuera, labelo crema con manchas rojo-castaño por fuera, por dentro amarillo en las quillas, con manchas rojo-castaño. *A. Maduro & E. Olmos 236* (MO, Isotypes PMA, SEL).

Herba terrestris foliis ellipticis acuminatis, floribus pendulis ab glomere bractearum elongato in tempo crescenti productis, sepalis petalisque ellipticis, labelo ovato obscure trilobato septem carinis ornato, tribus internis basi humili lobulis altis in apice, externis omnino crenato-undulatis.

Terrestrial, *roots* 3-5 mm in diameter; *stems* 60-130 cm, 3-4 mm wide, slightly compressed; *sheaths* striate; *leaves* several, 20-36 x 2.5-4.7 cm, elliptic, acute to long-acuminate, strongly plicate; *inflorescence* terminal, gradually elongating, producing 1-3 pendent flowers at a time, to 4 cm. long; *ovary* and pedicel 20-25 mm; *floral bracts* c. 18 x 5-6 mm, lance-ovate, closely spaced; sepals at first yellowish-green, petals and lip cream, lip with red-brown spots without, keels yellow with red-brown spots near midline; *sepals* 28-31 x 8.6-10.5 mm, elliptic, apiculate, lateral sepals carinate; *petals* 26-36 x 8-10.5 mm, elliptic, apiculate; *lip* 22-23 x 18 mm, ovate, weakly 3-lobed, midlobe markedly undulate, with incurved margins; basal callus ca. 2 x 2 mm, 2-parted; keels 7, the 3 inner keels are low in the basal half and then form erect fin-like lobes 2-2.5 mm tall, to 4 mm long, there is then a crenate-undulate keel on each side, followed by a shorter, similar keel on each side; *column* c. 13 mm, very narrow basally, c. 4 x 4 mm distally, wing-like teeth ca. 2 x 1.3 mm, porrect; *capsule* 10.5 x 1 cm.

In addition to the features given below in the key, *S. nutans* is rather larger than the other species of the section. The margins of the midlobe are somewhat folded in over the terminal lobes of the keels. The epithet,

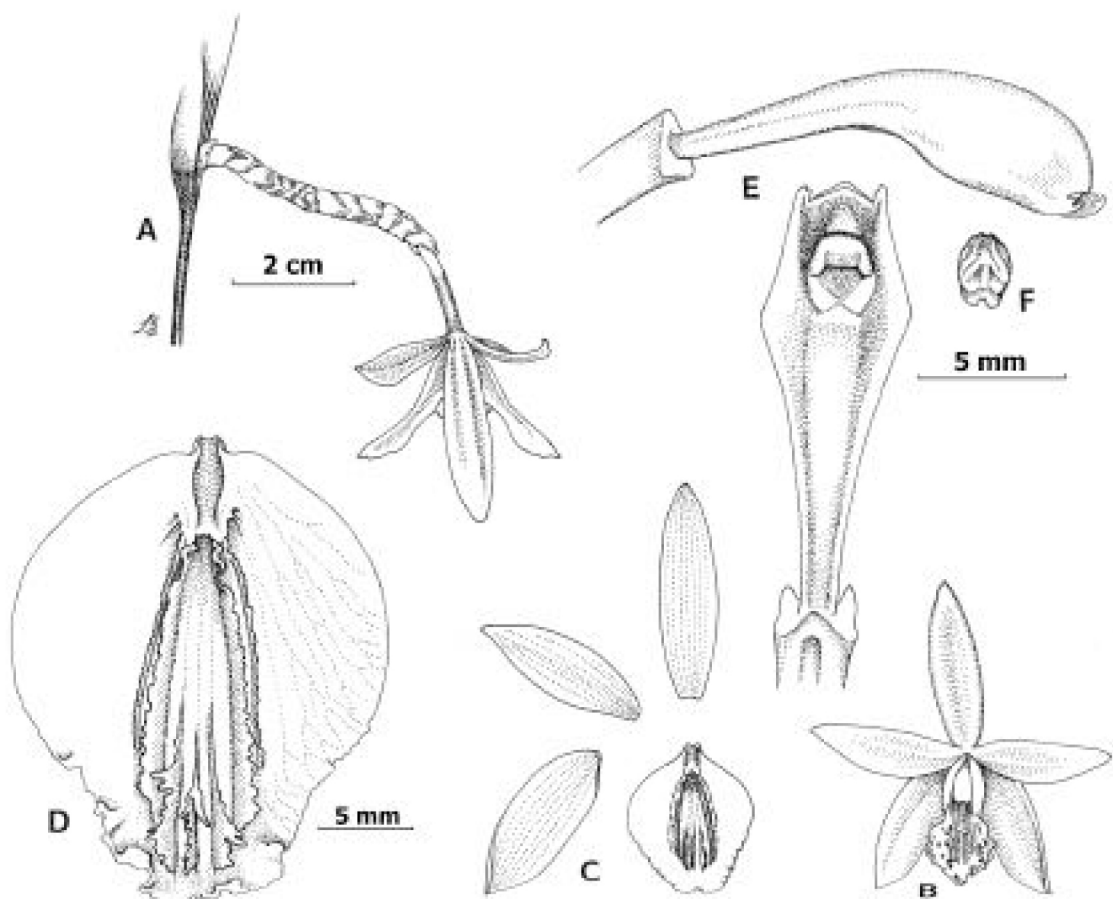


FIGURE 7. *Sobralia nutans* Dressler. A - Flower, natural position. B - Flower, front view. C - Flower parts, spread. D - Lip, spread. E - Column, lateral and ventral views. F - Anther.

*nutans*, refers to the nodding, or pendent, flowers.

PARATYPES: PANAMA. Bocas del Toro: same area as type, 850 m, 27 Oct. 1999, *R. L. Dressler & J. T. Atwood* 6256 (MO, PMA). Coclé: Vicinity of La Mesa, beyond El Valle, on northern slope of Cerro Gaital, 8°37'N 80°07'W, 850-950 m, 12 July 1978, *G. McPherson* 11227 (MO); El Valle de Antón, La

Mesa, 4 mi. E of El Valle, 8°36'N 80°07'W, 25 Mar. 1993, *T. Croat* 74806 (MO).

Better material from Costa Rica may show that *Ingram & Ferrell* 813 and other Costa Rican specimens of the Section *Globosae* represent a species distinct from *S. lancea*, or that *S. pardalina* is a synonym of *S. lancea*.