

105. **SIGMATOSTALIX HIRTZII** Dodson, sp. nov.

Similis *Sigmatostalicis morganii* Dodson, a qua distinguitur lobulis apicalibus bifurcatis labelli et callo elongato, incurvo, digitiformi.

Orig. Coll: Ecuador: Esmeraldas: Lita to Alto Tambo, km 10-13, 750 m, 13 August 1986, *Hirtz 2944* (Holotype MO).

ETIMOLOGÍA: Nombrada en honor del Ing. Alexander Hirtz, por su enorme contribución al conocimiento de las orquídeas del Ecuador.

ETYMOLOGY: Named to honor Ing. Alexander Hirtz who has contributed substantially to the knowledge of the Ecuadorian orchids.

OTHER SPECIMENS SEEN: Ecuador: Carchi: Chical, Gualpi Alto, 900 m, 18 May 1985, *Thomsen 58842* (QCNE). Esmeraldas: Lita to Alto Tambo, km 7-13, 750 m, 18 January 1987, *Dodson et al. 16844* (MO); same locality, 850 m, 20 May 1987, *Dodson et al. 17141* (MO, QCNE); same locality, km 17, 720 m, 13 May 1990, *Dodson et al. 18286* (MO); same locality, km 11-18, 850 m, January 1988, *Hirtz 3615* (MO). Pichincha: La Independencia to Pto. Quito to P.V. Maldonado, 750 m, 5 July 1991, *Dodson et al. 18741* (MO).

Plant epiphytic, rhizome short. Pseudobulb ovate, flattened, edges ancipitous, unifoliate at the apex, surrounded at the base by several conduplicate sheaths, the upper of which are foliate. Leaves narrowly elliptic-oblong, acute at the apex, narrowed at the base to a conduplicate, petiole-like base, to 5 x 0.8 cm. Inflorescences lateral, from the base of the pseudobulb, emerging from the uppermost foliaceous sheaths, erect, to 12 cm long, with several remote, close, tubular sheaths, paniculate with very short branches in the axils of the upper sheaths. Flowers produced at each branch singly in succession over a prolonged period but concurrently; yellow with red-brown spots around the callus at the base of the lip and dark red-brown apical lobes of the lip; dorsal sepal oblong-elliptic, concave, obtuse, erect around the column, to 6 x 2 mm; lateral sepals united at the base, obliquely-elliptic, reflexed, to 4 x 2 mm; petals elliptic, reflexed, 4 x 2 mm; lip 4-lobed, the lateral lobes oblong, spreading, oblique, with prominent horn-like warts in the middle, obtuse at the apex, the apical lobes narrowly-oblong, spreading toward the apex, with a small apicle between the lobes at the base, to 6 mm long, the callus an elongate bent, finger-like projection, retuse at the apex with the margins folded downwards; column slender, erect, capitate with a swollen apex, to 6 mm long; pollinia 2, hard.

NOTAS: Se parece a *Sigmatostalix morganii* Dodson, con la diferencia de que el labelo tiene lóbulos apicales bifurcados y un callo digitiforme, alargado, encorvado.

NOTES: Similar to *Sigmatostalix morganii* Dodson but distinguished by the bifurcate apical lobes of the lip and the elongate, bent, finger-like callus.