

106. **SIGMATOSTALIX X LUERORUM** Dodson, hybrid nov.

Dignoscitur lobulis lateralibus labelli incrassatis, falcatis, et lobulo apicali amplo, concavo.

Orig. Coll: Ecuador: El Oro: Piñas to Machala, km 11, 1000 m, 21 March 1985, A. Hirtz, C. & J. Luer 2256 (Holotype RPSC).

ETIMOLOGÍA: Nombrada en honor del Dr. Carlyle A. Luer y Sra., quienes participaron en la recolección de la planta y han contribuido inmensamente al conocimiento de las orquídeas de la subtribu Pleurothallidinae.

ETYMOLOGY: Named to honor Dr. and Mrs. Carlyle A. Luer who participated in the collection of the plant and have contributed immensely to an understanding of the pleurothallid orchids.

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 to a conduplicate, petiole-like base, to 8 x 0.8 cm. Inflorescences lateral, from the base of the pseudobulb, emerging from the uppermost foliaceous sheaths, erect, to 15 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, the nectary bright yellow. Sepals free; dorsal sepal elliptic, acuminate at the apex, recurved, to 8 x 2 mm; lateral sepals obliquely-elliptic, acuminate, recurved, to 7.5 x 2 mm; lip 4-lobed, the lateral lobes anchoriform, thickened on the edge, the apical lobes concave, subquadrate with a shallow sinus between them, the callus fleshy, oblong with a flattened slightly 4-lobed apex, mounted on the claw of the lip; column slender, arcuate, swollen at the apex, the pollinia 2, hard.

NOTAS: Se distingue por tener los lóbulos laterales del labelo falcados y gruesos, y el lóbulo apical ancho, cupulado. Se ha encontrado una sola planta, en bosque nublado húmedo, en árboles en los cuales habitan *Sigmatostalix picta* Rchb. f. y *S. morganii* Dodson, los genitores putativos de la planta.

NOTES: Distinguished by the thick, falcate lateral lobes of the lip and the broad, cup-shaped apical lobe. The plant was found growing in trees in damp cloud forest that harbor *Sigmatostalix picta* Rchb. f. and *S. morganii* Dodson, the putative parents of the plant. Only a single plant was found.