

***Stelis longipetiolata* Ames sp. nov.** Herba caespitosa. Folium anguste oblongo-ellipticum in petiolum perlongum contractum. Sepala ovato-deltaidea. Petala rotundato-ovata, valde obtusa, incrassata. Labellum reniforme, valde incrassatum, callo transverso ornatum. Columna crassa, usque ad apicem dilatata.

Roots fibrous, very slender. Secondary stems crowded, forming dense tufts, 2-3 cm. long, very slender, trivaginate, lowermost sheath 3-4 mm. long, inflated, the uppermost sheaths 1-1.5 cm. long, tubular, longitudinally nervose, concealing the stem. Leaf narrowly elliptic-oblong, attenuated at both ends, the base contracted into a slender sulcate petiole; lamina 4.5-5.5 cm. long, 7-11 mm. wide; petiole 2-2.5 cm. long. Peduncles solitary, with the raceme about 8 cm. long, very slender, many-flowered, arising from a closely appressed complanate spathe; basal flowers 5-7 mm. apart, those of the upper part of the raceme 2 mm. apart. Floral bracts 1.5 mm. long, basal portion shallowly infundibuliform, upper portion semiovate, obtuse. Pedicel with the ovary 2.5 mm. long, blackish when dry. Lateral sepals deltoid-ovate, obtuse, 2-2.5 mm. long, conspicuously 3-nerved, smooth. Dorsal sepal similar. Petals 1 mm. long, ovate or suborbicular, thickened nearly to the base, abruptly excavated below the thickening, apex minutely and obscurely papillose. Labellum .75 mm. long, 1.5 mm. wide, reniform, very fleshy, dorsal surface rounded, somewhat concave above with a prominent obscurely bilobed callus in the middle its side decurrent laterally or forming a transverse ridge. Column slightly shorter than the petals, dilated upwards, posterior membrane entire, margin minutely papillose.

Stelis longipetiolata is closely allied with *S. microstigma* Reichb. f., from which species it differs in its round-ovate petals thickened to near the base, and in its obtuse sepals.

PANAMA, Province of Chiriqui, Humid forest between Alto de las Palmas and top of Cerro de la Horqueta, W. R. Maxon 5460, March 18, 1911. Epiphyte on trees. 2100-2268 meters altitude. (TYPE in U. S. Nat. Herb. No. 675844.)