

**Scaphosepalum Standleyi** *Ames sp. nov.* Herba epiphytica. Rhizoma abbreviatum. Caules secundarii abbreviati, monophylli. Folia anguste elliptica, apice tridenticulata, in petiolum gracilem contracta. Scapus gracilis, paucibracteatus. Racemus gracilis. Flores parvi. Sepala lateralialia usque ad quartam partem apicalem connata, intus bicallosa, extus carinata, carinis demum rostriformibus. Sepalum dorsale oblongum, ad basim concavum, supra medium incrassato-convexum, extus prope basim valde carinatum. Petala semielliptica, apice inconspicue aristato, binervia. Labellum linguiforme, conspicue bicarinatum. Columna apice ampliata.

An epiphytic herb with dark red flowers. Roots fibrous, spreading, whitish, smooth. Rhizome abbreviated. Secondary stems densely caespitose, abbreviated, 5-10 mm. long,



NEW OR NOTEWORTHY ORCHIDS

slender, monophyllous. Leaves erect, narrowly elliptic or elliptic-oblong, tridenticulate at the tip, gradually narrowed downward into a slender sulcate petiole; lamina 5–7 cm. long, 7–10 mm. wide, coriaceous; petiole about 1.5 cm. long. Scape slender, ascending, together with the raceme 5–9 cm. long, with three to four closely appressed tubular bracts. Raceme 2–5 cm. long, slender, the flowers opening in succession. Bracts of the inflorescence about 3 mm. long, obliquely infundibuliform, shorter than the pedicellate ovary. Lateral sepals about 6 mm. long, united almost throughout their length, forming a subelliptical lamina which is strongly concave and is furnished above the middle,— on each mid-nerve,— with a blunt papilliform retrorse emergence; each sepal is strongly carinate exteriorly along the mid-nerve with a keel terminating in a prolonged rostriform appendage. Dorsal sepal 5 mm. long, oblong, obtuse, strongly concave below the middle; apical half thickened, convex, dorsally carinate, with the keel which is nearly 1 mm. deep becoming evanescent above the middle of the sepal. Petals 3 mm. long, about 1.25 mm. wide, semielliptical, 2-nerved, acute, shortly aristate beneath the tip. Labellum 3 mm. long, about 1 mm. wide, linguiform, obtuse, 3-nerved at the base, strongly bicarinate near the middle, the keels more or less crescentiform. Column about 3 mm. long, produced at base into a conspicuous foot, dilated above, tridentate at the tip with the apical margin obscurely denticulate.

In habit and floral structure, *Scaphosepalum Standleyi* resembles *S. Pittieri* Schltr., but differs from it in the lateral sepals with differently situated papilliform emergences, and in the differently shaped aristate petals. [Fig. 1: 1, flower with the perianth segments spread out, showing the external rostrate appendages of the lateral sepals and the retrorse appendages on the inner surface  $\times 4$ . 2, column  $\times 7$ . 3, labellum  $\times 6 \frac{1}{2}$ . 4, petal  $\times 6 \frac{2}{3}$ .]

COSTA RICA, Province of Cartago, Cerro de La Carpintera, Paul C. Standley 34477, February 1924. 1500–1850 meters altitude. On tree; flowers dark red. (TYPE in Herb. Ames No. 29631.)