

***Pachystele corallorrhiza* Ames sp. nov.** Herba epiphytica. Caules vel pseudobulbi graciles, superpositi, bifoliati. Inflorescentia terminalis ad apicem pseudobulbi singula, spathis vel vaginis scariosis satis magnis usque ad basin capsulae protecta. Sepala lateralia triangularia, septemnervia. Sepalum dorsale simile, apice carinato. Petala ligulata, quinquenervia. Labellum panduratum, obtusum. Columna crassa, supra medium valde dilatata, bialata.

Epiphytic herb about 30 cm. tall, often branching. Roots about 2 mm. in diameter, covered with pustular emergences which give to them a coralline aspect. Stems slender, superposed, bifoliate, about 3 mm. thick, concealed at the base by elongated tubular sheaths which are 2-4 cm. long, joints conspicuously swollen. Leaves subopposite, 6-8 cm. long, up to 8 mm. wide, ligulate, coriaceous, unequally bilobed at the apex with the lobes obtuse. Inflorescence terminal, 1-flowered, much shorter than the leaves, with several closely imbricating sheaths which reach to the base of the ovary. Flower-stalk and ovary about 3 cm. long, slender, glabrous. Lateral sepals about 11 mm. long, 5 mm. wide below the middle, triangular, acute, 7-nerved. Dorsal sepal about 11 mm. long, carinate beneath the acute apex, triangular, 7-nerved. Petals about 11 mm. long, 2.5 mm. wide, narrowly oblong or ligulate, narrowed above the middle into a subacute tip, membranaceous, 5-nerved. Labellum 1 cm. long, 8 mm. wide above the middle, broadly pandurate, entire, obtuse, inserted on the broad foot of the column. Column about 5 mm. long, fleshy at the base, dilated above, conspicuously winged on each side above the middle.

Allied to *Pachystele densa* Schltr., but much larger in all its parts, with different sepals and petals, and with pustular roots.

COSTA RICA, Province of San José, Las Nubes, *Paul C. Standley* 38909, March 20-22, 1924. 1500-1900 meters altitude. On tree. (TYPE in Herb. Ames No. 29711.)