

***Pterichis costaricensis* A. & S. sp. nov.** Herba ter-
restris, paludicola, gracilis. Radices fasciculatae, tuberosae.
Folia basalia, lineari-lanceolata, longe petiolata. Caulis
glanduloso-pubescent, vaginis remotis tubularibus ornatus.
Racemus laxe pauciflorus, floribus erectis. Sepala lateralia
oblique ovata, acuminata, concava. Sepalum dorsale lan-
ceolatum, obtusum. Petala sepalo dorsali leviter adhae-
rentia, oblique lanceolata. Labellum erectum, valde sac-
catum, expansum reniformi-ovatum, intus papillosum.

Plant terrestrial in swamp, slender, about 49 cm. tall
to the tip of the inflorescence. Roots tuberous, fascicled,
numerous. Leaves basal, linear-lanceolate or linear-oblan-
ceolate, long-petioled, erect; lamina 5.3 to over 7 cm. long,
up to 8 mm. wide, acute, gradually narrowed to the petiole,
mid-nerve sulcate above and sharply carinate beneath;
petiole slender, about 9.6 cm. long or less, clothed at base
with 1 or 2 loose tubular scarious sheaths. Stem up to the in-
florescence 43-44 cm. long, glandular-hairy especially above,
with about 5 remote tubular scarious sheaths and above
them a very small foliaceous blade. Inflorescence a lax 4-
to 8-flowered raceme with strict glandular ovaries. Floral
bracts ovate, 9.9 mm. long, acuminate, concave, glabrous,
glandular-ciliate, sheathing the lower half of the pedicellate
ovary. Flowers small, inverted as in the genus. Sepals
sparsely glandular-pubescent near the margins on the outer
surface especially at the apex. Lateral sepals obliquely
ovate, 6 mm. long, about 4 mm. wide when spread out, acu-
minate, concave with strongly involute margins, 3-nerved.
Dorsal sepal pendent, lanceolate, 7 mm. long, 2.6 mm.
wide, gradually narrowed to an obtuse tip, 3-nerved. Petals
lightly adherent to the dorsal sepal, obliquely lanceolate,
with the upper part rather abruptly narrowed, 7 mm. long,
2 mm. wide near the middle, obtuse or truncate at the
apex, margins of the basal half sparingly glandular-ciliate,
1-nerved. Labellum in natural position strongly saccate, 4.9
mm. long, apex recurved; lamina when forcibly expanded
reniform-ovate, about 6 mm. long, 9 mm. wide, obtuse, cor-
date at base, fleshy, densely cellular-papillose on the inner
surface with an irregular band of larger warts near the lateral
margins, 5-nerved with the side nerves much branched.
Column minute; rostellum simple; sharply pointed. Anther
cordiform.

Pterichis costaricensis, which belongs to a genus unre-
ported from Central America, has two rather close allies,
P. galeata Lindl. and *P. Bangii* Rolfe. It differs from the
Peruvian *P. galeata* in having floral bracts much shorter than
the ovary, apparently smaller and smoother flowers and dis-
similar flat petals. It appears to have narrower leaves than
the Bolivian *P. Bangii* and dissimilar sepals. The ciliate
petals and callose-papillose lip are also striking.

The description was drawn from dried plants and from
an inflorescence preserved in alcohol.

COSTA RICA, Poas Lake, *H. E. Stork* 2344, June 5,
1928. 8500 feet altitude. "In grassy swamp with some
sphagnum. Stem with short glandular hairs. Sepals light
green. Lip hooded and varying from deep green to yellow
with dark purple markings. Ovary also hairy." (TYPE in
Herb. Ames No. 35592.)