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STUDIES ON PERUVIAN PLEUROTHALLIS

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THE following notes on *Pleurothallis* in Peru include two new species and six new varieties, as well as other nomenclatural discussions.

***Pleurothallis angustipetala* C. Schweinfurth sp. nov.**

Herba mediocris, epiphytica, cum rhizomate repenti. Caules graciles, unifoliati, vaginis pluribus ornati. Folium breviter petiolatum; lamina oblongo-elliptica, obtusa vel acuta, basi cuneata. Inflorescentia unica, folio multo longior, supra subdense multiflora. Flores minores, secundi, cum segmentis patentibus. Sepala similia, lanceolata vel anguste lanceolata, supra longe angustata, lateralia leviter recurva. Petala circiter duplo breviora, linearia, acuta. Labellum petalis paulo longius, lateraliter visum sigmoideum, pandurato-oblongum, obtusum vel subacutum; pars basalis carinis binis humilibus ornata; pars anterior paulo major, oblongo-ovata. Columna parva, cum ala terminali tridentata.

Plant medium-sized, epiphytic, slender. Rhizome creeping, concealed by blackish sheaths. Roots fibrous, glabrous. Stems apparently in pairs, slender, about 4–11 cm. long, unifoliate, bearing three or four close, tubular sheaths, the uppermost being longest and commonly separated. Leaf petioled, up to 7.2 cm. long; lamina

[45]

oblong-elliptic, acute or obtuse, cuneate below, up to 6.5 cm. long and 1.8 cm. wide. Inflorescence solitary, nearly twice as long as the leaf, about 12.2 cm. or less long, suberect, densely or subdensely many-flowered above, looser below. Flowers commonly secund, rather small, yellow-green, with spreading segments. Sepals minutely cellular-papillose within. Dorsal sepal narrowly lanceolate, long-narrowed to an acute apex, concave below, up to 9.8 mm. long and 2.6 mm. wide near the base. Lateral sepals lanceolate, oblique and gently recurved above, up to 9.9 mm. long and 2.9 mm. wide. Petals much smaller than the sepals, linear, acute, prominently 1-nerved throughout, about 4.6 mm. long, up to 1 mm. wide. Lip somewhat longer than the petals, sigmoid when viewed from the side in natural position, pandurate-oblong, about 5.9 mm. long when expanded, up to 2.1 mm. wide above the middle, obtuse or subacute; basal portion very shortly clawed, subquadrate-oblong, with a pair of low keels that extend onto the basal part of the anterior portion; anterior portion slightly longer and broader, oblong-ovate. Column small, shorter than the petals, about 3 mm. long, narrowly winged on each side, with a short trilobulate wing at the apex, produced into a short foot.

This species superficially resembles *Pleurothallis rubens* Lindl., but commonly shows a creeping rhizome producing stems in pairs, has very narrow petals and a lip which differs in several details.

Cuzco: Prov. of Paucartambo, Pillahuata, at 2800 meters altitude, epiphyte, January 25, 1945, *C. Vargas 4956* (Type in Herb. Ames No. 65385); Same locality, at 3200 meters altitude, epiphytic in rain forest, "ceja de montaña," December 11, 1942, *C. Vargas 3006a*.