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ANOTHER NEW SPECIES OF *STANHOPEA* (ORCHIDACEAE) FROM PERU

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ABSTRACT. A new species of *Stanhopea* (*S. naurayi* Jenny), recently collected in Peru, is described and illustrated. Not closely allied with any other known species from Peru, it is relatively similar to some forms of the Mexican *S. oculata* (Lodd.) Lindl. but with flowers one third smaller.

RESUMEN. Se describe e ilustra la nueva especie *Stanhopea naurayi* Jenny, de Perú. No es pariente cercana de ninguna otra especie conocida en Perú; más bien se parece a algunas formas de *S. oculata* (Lodd.) Lindl., de México, pero con flores un tercio menores.

KEY WORDS / PALABRAS CLAVE: Orchidaceae, *Stanhopea*, *Stanhopea naurayi*, Peru.

Together with the material of *Stanhopea manriquei* Jenny & Nauray, described 2004 in Lankesteriana [4(2): 109], I also got pickled and dried flowers of a second unknown species (no. 7989) from David Bennett jr. in Lima. As *Stanhopea manriquei* the other species also showed up in the collection of Alfredo Manrique and both have been (following David Bennett) collected somewhere in the Department Puno without any detailed information about exact locality or altitude. After careful examination and comparison of the flowers with all other known Peruvian species, Bennett's no. 7989 also represents a new species. The flowers are not similar to those of other species distributed in Peru, but there are some similarities to some forms of *Stanhopea oculata* (Lodd.) Lindl. from Mexico. The flowers are, with a total length of 7 cm, about one third smaller than those of *S. oculata* and the hypochile is as wide as the epichile and not, as in *S. oculata*, much narrower. For the time being neither the exact locality nor the pollinator are known. William Nauray delivered later on a perfect drawing of the plant.

Stanhopea naurayi Jenny, *sp. nova*

TYPE: Peru. Dept. Puno: no location, collected by Alfredo Manrique, flowered in culture 2002, *D. Bennett B-7989* (Holotype: MOL, isotype: Herb. Jenny). Figs. 1, 2

Stanhopeae oculatae ex Mexico similis, sed flores triplo breviores, hypochilum epichilo aequilatum et infra non depressum, apertura hypochili quasi circularis.

Plant epiphytic with creeping rhizome and clustered

growths. *Pseudobulbs* ovoid, strongly ribbed when aged and furrowed, 3 cm high and 3 cm wide, always unifoliate. *Leaves* coarse and leathery, petiolate, lanceolate, plicate and acute, 35-40 cm long and up to 9 cm wide, petiole round and one-sidedly notched, 7 cm long. *Inflorescence* directed downwards from the base of the pseudobulb, up to 20 cm long and with few (3) loosely arranged flowers, covered by large, spread out broadly triangular and acute bracts. *Ovarium* to 6 cm long and 0.5-0.6 cm in diameter, very finely black pilose. *Flowers* 7 cm large. *Dorsal sepal* ovate, concave, acute, 5.2 cm long and 2.8 cm wide in the middle. *Lateral sepals* broadly lanceolate, acute, 5.5 cm long and 3.4 cm wide at the broadest part in the basic third, folded backwards. Sepals straw yellow sparsely purple-dotted. *Petals* oblanceolate, acute, undulate, 4.5 cm long and 1.6 cm broad at the widest part in the middle, folded backwards between dorsal and lateral sepals, dark straw yellow, basall golden yellow, dotted very sparsely. *Labellum* over all 4.5 cm long and 1.8 cm wide across epichile and horns. Hypochile as broad as the epichile, curved, not dented at ventral side, dorsally with a clear knee of less than 90°; hypochile opening almost round, bridge narrow linear, with bulging edges, outer edge marked and bent over the entire length of the hypochile, in front ending bluntly triangular at the bridge, with longitudinal carinae within; hypochile transition to mesochile with a sharp edge all round, set back, with a very small, triangular callus between the basis of the horns at the mesochile; mesochile short, horns narrow at base, towards apex again slightly broadened, flat-ovate in cross-section, acute; epichile ovate with beak-like extended apex. Hypochile with a large circular dark purple-red eyespot on pale orange, inside sac nearly all dark purple-red on the vertical surface, clear orange-yellow area

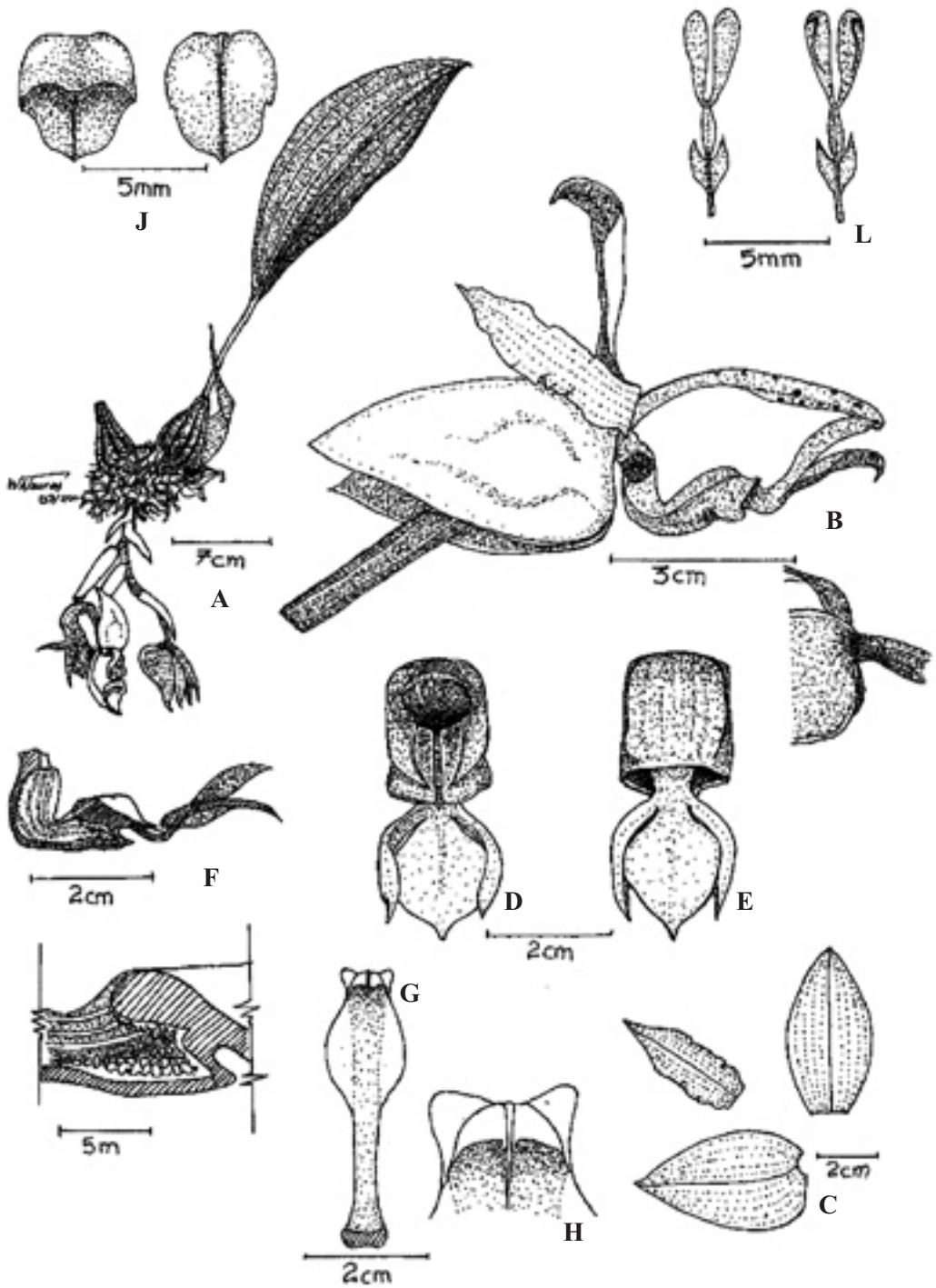


Fig. 1. *Stanhopea naurayi* Jenny. A - Habit. B - Flower. C - Sepals and petal. D - Lip, adaxial view. E - Lip, abaxial view. F - Lip, lateral view. G - Column, adaxial view. H - Apex of column. J - Anther cap. L - Pollinarium. Drawn from the type specimen by W. Nauray.

separates anterior finely dotted pale red, the ventral surface of mesochile opaque cream-orange, dorsally pale yellow-orange sparsely spotted red-purple, the epichile and horns pale clear yellow above with sparse purple dots. *Column* pale jade green, wings semielliptic, semitranslucent, lightly purple dotted, slender and bent at base, broadly rounded and winged

in the middle, getting narrower again in front, at apex slightly wider and ending both sides of the anther in two blunt, somewhat protruding small horns, 4.5 cm long and 1.4 cm wide at the broadest part. *Anther* ivory-white. *Pollinia* 2, 0.4 cm long, narrow, club-shaped on narrow stipes. *Viscidium* ovate to cordate, one-sidedly extended, entire pollinarium 0.9 cm long.

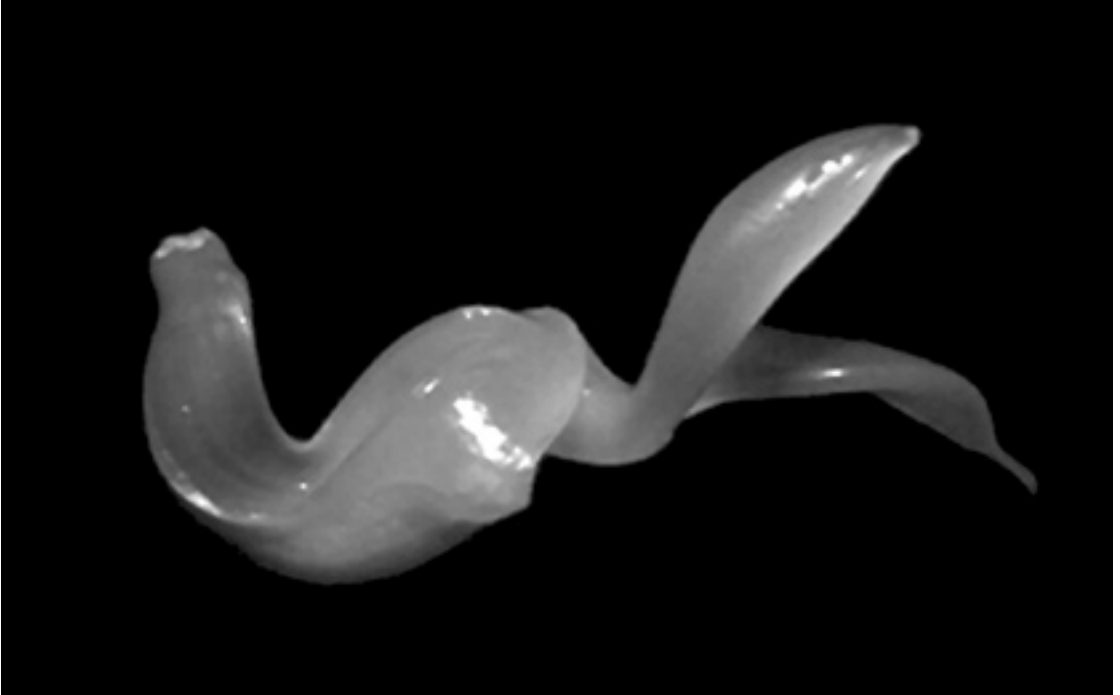


Fig. 2. Lip of *Stanhopea naurayi* Jenny (Voucher: *D. Bennett B-7989*, Herbarium R. Jenny). Slide R. Jenny.