

Chondrorhyncha plicata D. E. Benn. & Christenson, sp. nov. (Fig. 1)

TYPE: PERU. JUNIN: Kivinaki, N margin of Río Perené, 1700 m, 26 Mar 1992, *O. del Castillo s.n. ex D. Bennett 5507* (HOLOTYPE: USM).

Species haec *Chondrorhynchae viridisepalae* Senghas similis sed labello plicato, callo biporcato et foliis angustis differt.

Caespitose, acaulous epiphytes to 21 cm tall, producing fan-shaped growths. *Leaves* 5–6, lanceolate, long acuminate, conduplicate at the base, midvein carinate, 15–21 × 1.5–1.9 cm, dark green, stiff, articulated to imbricating sheaths. *Inflorescences* lax axillary scapes. *Flowers* campanulate with spreading lateral sepals, pale greenish-white, the labellum cream-white with lavender and yellow markings, the column and anther cream-white, the pollinia yellow. Dorsal sepal oblong, acute, concave, 1.8 × 0.8 cm. *Lateral sepals* lanceolate, subacute, strongly concave, divergent, 2.6 × 0.7 cm. *Petals* obovate-spatulate, mucronulate, distal margins lightly pleated, 2.3 × 0.8 cm, obliquely adnate to column foot. *Labellum* unlobed, tubular, 2.4 × 1.8 cm, the outer 1/3 constricted and transversely thickened, verrucose across the middle, apex recurved, margins with many pleats, the callus of two elongate low, broad ribs, converging, thicker and free at the oblique tips. *Column* arcuate, clavate, fleshy, 1.75 × 0.6 cm, ventral surface covered with long verrucose processes. *Pollinaria* to 4.5 mm long, the pollinia 4 in 2 very unequal pairs, the larger 3.5 × 1.1 mm, the smaller 2.1 × 0.9 mm, on a small ovate stipe and elliptic viscid-

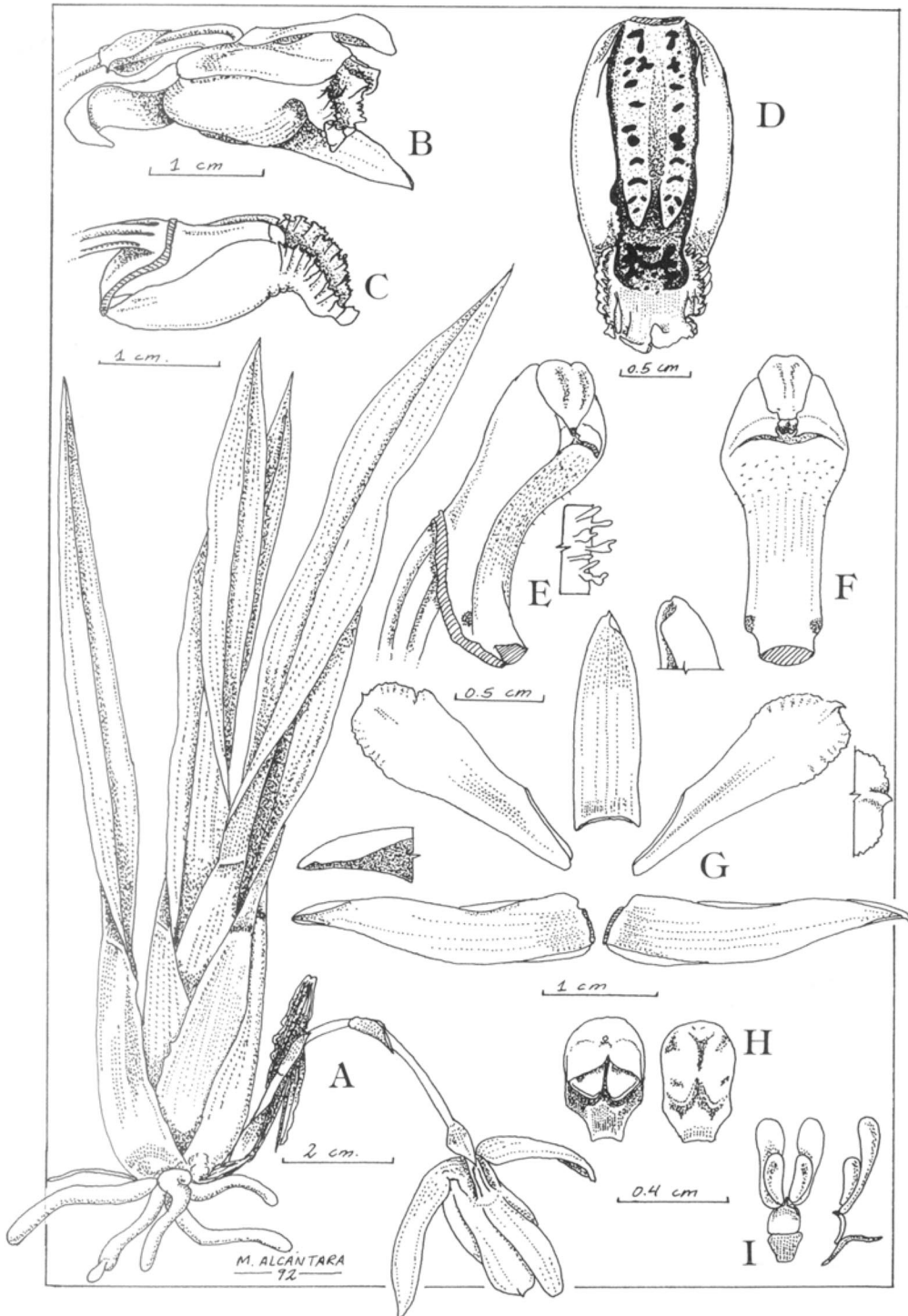


FIG. 1. *Chondrorhyncha plicata* (drawn from Bennett 5507). A. Plant in flower. B. Flower in profile. C. Labellum and column in profile. D. Labellum from above. E. Column from the side with close-up of surface texture. F. Column from below. G. Floral dissection with close-ups of apices. H. Anther cap. I. Pollinarium.

ium. *Ovary* and pedicel to 1.1 cm long, subtended by an ovate, acuminate floral bract to 0.5 cm long.

Etymology: From the Latin *plicatus*, meaning pleated, in reference to the pleated mid-lobe of the labellum.

Habitat: Wet montane forest. Flowering in the spring months of October to November.

PARATYPE: PERU. Dept. Piura: Prov. Ayabaca, Ruinas de Aypate, below summit, 1950 m, *J. Campoverde ex D. Bennett 5723* (NY).

Chondrorhyncha plicata differs from other species in having a 2-ribbed, elongate callus with the apices free and converging, the constricted labellum with transverse, verrucose thickening, and the pleated margins of the mid-lobe. It is similar to the Peruvian *C. aurantiaca* Senghas but differs by the very different color and callus shape and to the Ecuadorian *C. viridisejala* Senghas but differs by the plicate labellum, shape of the callus, and very differently shaped leaves.