

**CLEISOSTOMA PANICULATUM (KER-GAWL.) GARAY (ORCHIDACEAE)—A
NEW RECORD FOR INDIA**

Cleisostoma paniculatum (Ker-Gawl.) Garay is recorded here from India for the first time.

***Cleisostoma paniculatum* (Ker-Gawl.) Garay**
Bot. Mus. Leaflet Harv. Univ. 23, 4: 173.
1972. *Aerides paniculatum* Ker-Gawl. in
Bot. Reg. 3. T. 220. 1817.

Epiphytes. Stem elongated, clothed with leaf-sheaths; leaves 11-23 × 1.5-2 cm, spreading, coriaceous, apex unequally bifid. Inflorescence simple panicle, axillary, horizontal or erect, much longer than the leaves; scape stout with 2-3 tubular sheaths. Floral bracts minute, ovate-acute. Flowers 1.3 cm across, greenish, inner surfaces of sepals golden yellow except the purple blotches along the

middle; dorsal sepal 4 × 2 mm, ovate, cucullate, 5-nerved, crenate at apex; laterals 5 × 2.5 mm, spreading, oblong, 5-nerved; petals 3.5 × 1.5 mm, linear-oblong, 3-nerved; lip yellow, 3-lobed, side lobes obtuse, midlobe uncinately acuminate at apex with 2-subulate processes; callus at the mouth of the spur 2-lobed, hairy; spur 5 mm long, sub-cylindric, not septate; column purple, very short; anther whitish, depressed, obovate, cordate at base; pollinia 2, each 2-lobed; stipes broad, acuminate, glands large, forked, exposed; pedicel 8-10 mm long including ovary; capsule 20 × 5 mm, prominently 6-ridged.

Flowers: June-September; *Fruits*: November-February.

Distribution: China, Taiwan to Thailand and India.

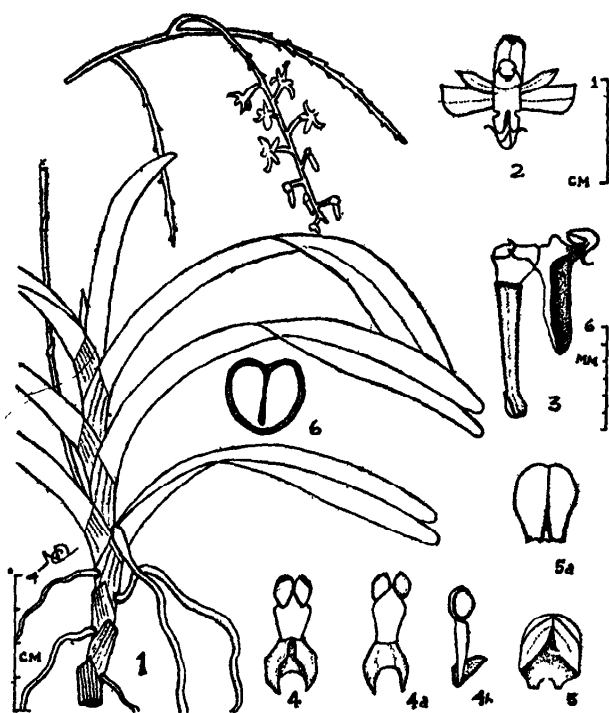
Specimens examined: Hayuliang, Lohit District, Arunachal Pradesh, August & September 1973, Joseph 51768, 51772. Pongtung, K. & J. Hills, Meghalaya Dec. 1930, Deka Accn. No. 36161, 36193. Aizwal, Mizoram Feb. 1953, Deka 41047. Dulong Reserve Forest, N. Lakhimpur, November 1957, Panigrahi 11339. Tseminyu, Nagaland November 1973, Hynniewta 56254. All the specimens are in the herbarium of the Botanical Survey of India, Eastern Circle, Shillong (ASSAM).

ACKNOWLEDGEMENTS

The authors are grateful to Dr. Gunnar Seidenfaden, Denmark, for confirming the identity of the specimen. They also express their thanks to Dr. S. K. Jain, Deputy Director, Eastern Circle, Botanical Survey of India, Shillong, for facilities.

N. C. DEORI AND C. L. MALHOTRA

Botanical Survey of India, Shillong



Cleisostoma paniculatum (Ker-Gawl.) Garay

Figs. 1-6: 1. Plant in natural size. 2. Flower, front view. 3. Column, ovary, lip & L. S. of Spur. 4. Pollinia with stipe, front view. 4a. Back view. 4b. Side view. 5. Anther, inner surface. 5a. Outer surface. 6. Cross-section of Spur.