

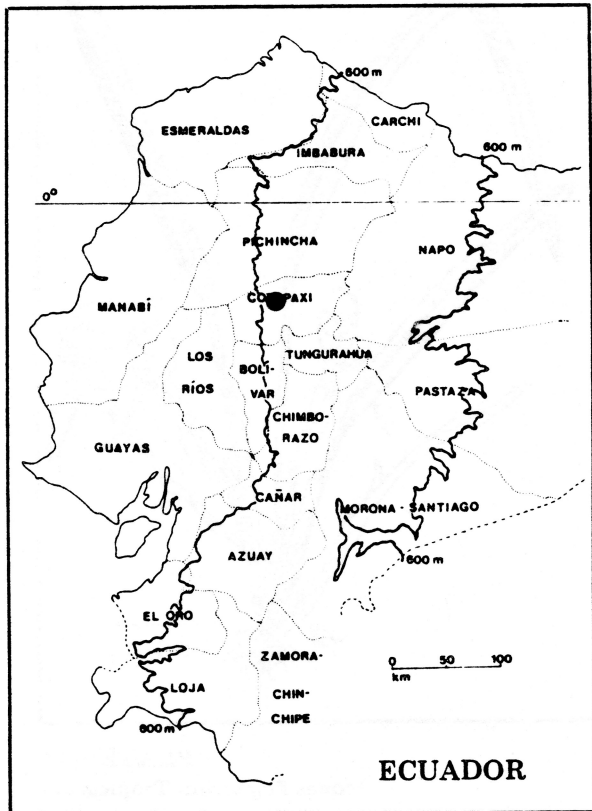
MAXILLARIA GENTRYII Dodson

Maxillaria gentryii Dodson, sp. nov.

Species haec *M. ecuadorensis* Schltr. similis, sed sepalis latioribus, sepalo dorsali erecto, petalis patentibus recurvatis post sepalum dorsale convenientibus et labelli lobis aurantiacis dignoscenda.

Epiphytic. Rhizome short. Pseudobulbs oblong-ovate, flattened, to 7×1 cm, unifoliate at the apex, almost completely surrounded by distichous sheaths, the upper 2 or 3 foliaceous, the sheaths to 12 cm long. Leaves oblong-elliptic, to 50×2.5 cm, acute at the apex, cuneate at the base to form a conduplicate petiole to 12 cm long. Inflorescences uniflorous, to 15 cm long, erect, surrounded by overlapping bracts to 4 cm long, the floral bract surrounding the ovary and the base of the flower, cucullate, to 4 cm long. Sepals and petals white for the lower half, yellow for the apical half, the lip yellow inside, the side lobes and midlobe bright orange; dorsal sepal erect, recurved at the midpoint, narrowly ligulate-triangular, attenuate to the apex, to 7×0.6 cm; lateral sepals obliquely-ligulate, spreading, to 7×0.6 cm; the petals narrowly ligulate-triangular, spreading, recurved to form a circle behind the dorsal sepal; lip oblong, 1.5×1 cm, 3-lobed, the lateral lobes erect, obtuse at the apex, the midlobe ovate-triangular, crenate on the margin, the center with a fleshy pad, the callus elongate, tongue-shaped, swollen toward the apex; column subterete, flattened on the underside, forming a short foot at the base; pollinia 4.

Epifítica. Rizoma corto. Pseudobulbos oblongo-ovados, aplanados, unifoliados en el ápice, casi completamente rodeados por vainas dísticas, las 2 o 3 superiores foliáceas. Hojas oblongo-elípticas, cuneiformes en la base para formar un pecíolo conduplicado. Inflorescencia uniflora. Sépalos y pétalos blancos en la mitad inferior, color amarillo en la mitad apical, el labio amarillo adentro, los lobos de los lados y el lobo medio naranja brillante; sépalo dorsal erecto, recurvado en la mitad, sépalos laterales oblicuamente ligulados, tendiéndose; los pétalos angostamente ligulado-trianguulares, tendiéndose, recurvados para formar un círculo detrás del sépalo dorsal; labio oblongo, trilobado, los lobos laterales erectos, el lobo medio ovado-triangular, crenado en el margen, el centro con una almohadilla carnosa, el callo alargado, en forma de lengueta, hinchado hacia el ápice; columna subterete aplanada por debajo, formando un pie corto en la base; 4 polinios.



Distribution: Western Ecuador.

Etymology: Named to honor Dr. Alwyn Gentry who has contributed substantially to the study and understanding of the flora of Ecuador.

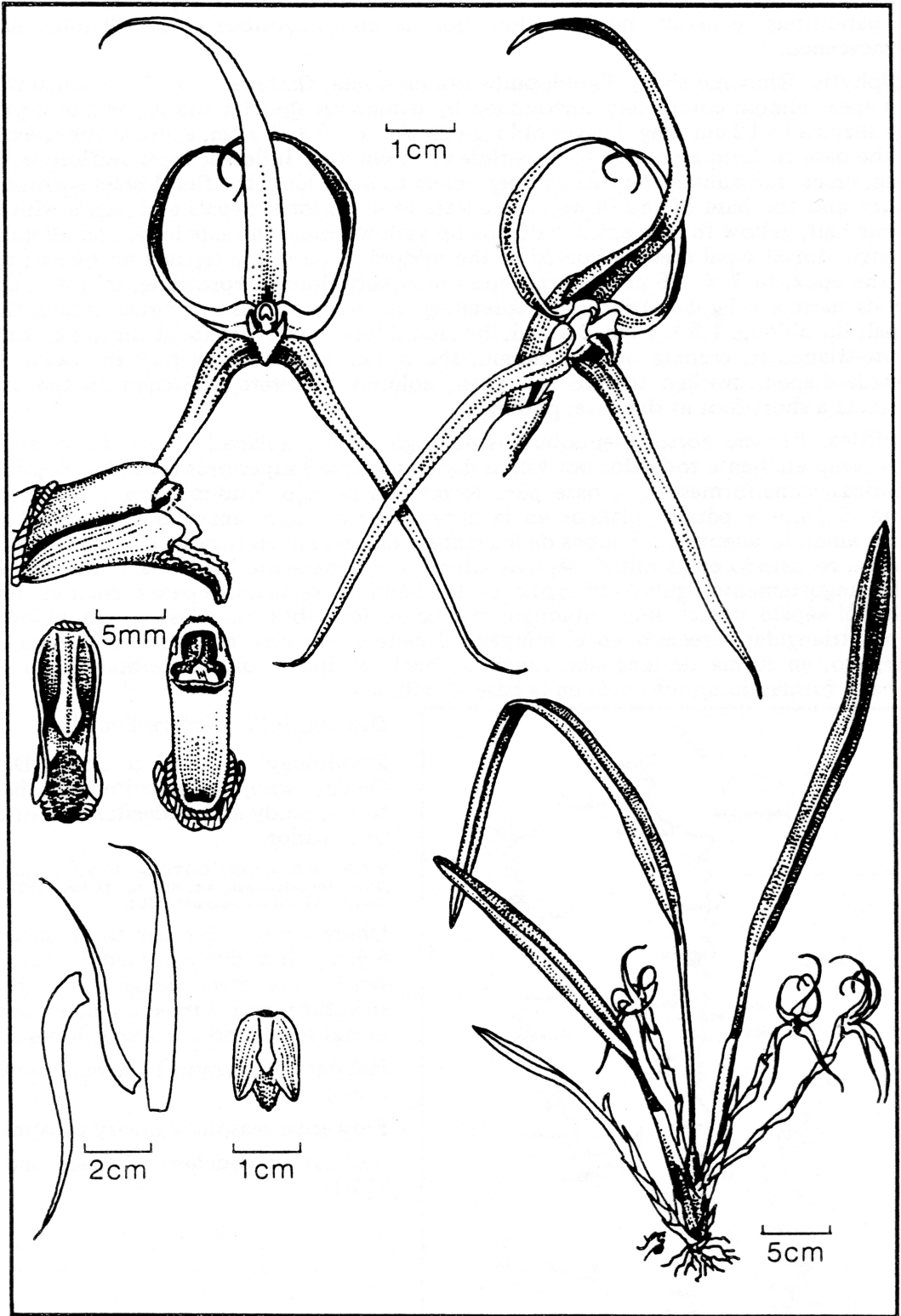
TYPE: ECUADOR: COTOPAXI: Rio Pilalo, km 52-53, Quevedo-Latacunga, alt. 800 m, 21 Feb. 1982, Dodson & Gentry 12725 (Holotype: SEL).

Observations: Similar to *M. ecuadorensis* Schltr., but distinguished by the broader sepals, the erect dorsal sepal, the petals spreading and curved to meet behind the dorsal sepal, and the orange lobes of the lip.

Habitat: Epiphyte in lower montane wet forest.

Flowering season: January to April.

Illustration voucher: Dodson and Gentry 12725.



MAXILLARIA GENTRYI Dodson

Text on reverse side