

Myoxanthus wernerii Luer, sp. nov.

Fig. 9.

Ety.: Named for Florian Werner of the University of Göttingen, Germany, who first collected this species.

Species haec *Myoxanthus affinis* (Lindl.) Luer affinis, sed sepalis petalisque crassioribus latioribusque, labello valde arcuato, et columnae pede elongato gynostemio aequilongo differt.

Plant large, epiphytic, caespitose; roots coarse. Ramicauls stout, erect, 50 cm long, enclosed by 6 long, tubular, hispidulous sheaths. **Leaf** erect, coriaceous, elliptical, 28 cm long, 5.5 cm wide, cuneate below into the subpetiolate base ca. 1 cm long. **Inflorescence** a fascicle many, single, simultaneous flowers, near the apex of the ramicaul, the peduncles minutely pubescent, 8-11 mm long; floral bracts infundibular, pubescent, 5 mm long, enclosing pedicel; pedicel, stout, 5 mm long; ovary densely short-pubescent, 2 mm long, 2 mm wide; **sepals** "woolwhite," spotted with wine red, sparsely and shortly pubescent, the dorsal sepal oblong, obtuse, 11.5 mm long, 4 mm wide, 5-veined, the lateral sepals connate 4 mm to the sides of the column-foot, and 2 mm above, elliptical, oblique, acute, 10 mm long, 3.5 mm wide, 5-veined; **petals** narrowly ovate, thickened above the middle with thickened margins, narrowly obtuse, 11 mm long, 3 mm wide, 3-veined; **lip** oblong, strongly arcuate in the middle, 3.5 mm long, 1.5 mm wide, the apex rounded, minutely erose, the disc with a pair of longitudinal carinae from the base to near the apex, the base truncate, bilobulate, hinged on the end; **column** stout, semiterete, 3 mm long, 1.5 mm wide, denticulate at the apex, the foot concave, stout, 3 mm long.

ECUADOR: **Zamora-Chinchipe**: Estación Científica San Francisco, between Loja and Zamora, alt. 2010 m, 7 Feb. 2005, *F. Werner 1481* (Holotype: MO; Isotype:), C. Luer illustr. 20928.

ECUADOR: **Zamora-Chinchipe**: *F. Werner 12620* (MO), C. Luer illustr. 19377.

This large species is related to *M. affinis* (Lindl.) Luer, but distinguished by the fleshy flowers with wider sepals and petals, and an oblong lip that is acutely arcuate near the middle. The biauriculate base is attached to the end of an elongated column foot from whence the folded center of the lip is lodged near the base of the much larger gynostemium, beneath which the lower half of the lip is held.

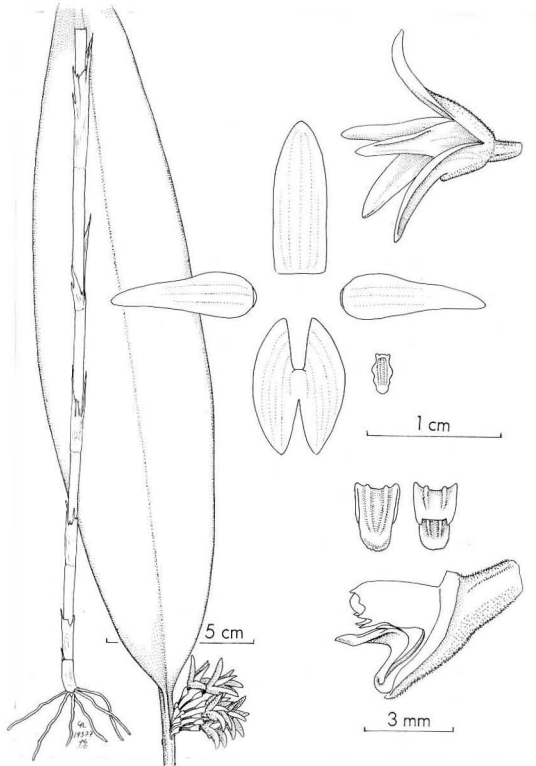


Fig. 9. *Myoxanthus wernerii*