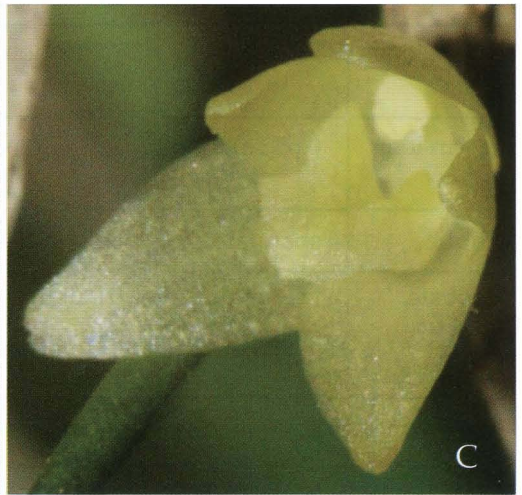


***Acianthera javieri* Archila, sp nov.**

Holotype: Guatemala, Department of Alta Verapaz, Cobán, Tontem Village, collected in the year 2000 at 1400 m above sea level, by Fredy Archila FA-071, (BIGU 37296). (Picture No.1)

Acianthera angustisepala (Ames & Corell) Pridgeon & M.W. Chase similis, *labello et sepalis differentibus*. *Acianthera angustisepala*, similis *labellum et sepala differentibus*. *Herba pendula caespitose, cum folia viridis et abaxialiter purpurata. Ramicaulis cylindricus, 5,7 cm longus. Inflorescentia racemosa 5 cm longa, basaliter cum bractea. Flos fulvus purpureo maculatus. Sepalum dorsale lineare, cum apicem acuminatum, 1,7 cm longum et 0,2 cm latum. Sepala lateralia saccata, subelliptica cum apicem acuminatum, 1,81 cm longa et 0.81 cm lata. Petala oblongo-elliptica cum marginem dentatum et apicem acuminatum, 0,52 cm longa et 0,13 cm lata. Labellum triangulari-acuminatum, pubescens, 0,66 cm longum et 0,37 cm latum.*

Plant epiphytic, caespitose, pendulous. Leaves green, purple beneath, succulent, 12.5 cm long, 3 cm wide, 0.12 cm thick. Ramicauls, 5.7 cm long, cylindrical. Inflorescence with a brown bract at the base, raceme 5 cm long. Flowers pale yellow with purple spots. Dorsal sepal linear, acuminate, 1.7 cm long, 0.2 cm wide. Lateral sepals connate in a synsepal, basally saccate, sub-elliptic, apex acuminate, 1.81 cm long, 0.81 cm. wide. Petals oblong-elliptic, margins serrated from the middle to the apex, acuminate, 0.52 cm long, 0.13 cm wide. Lip triangular, acuminate, basally hastate, densely pubescent at the margins or in the middle, 0.66 cm long, 0.37 cm wide at the base. Column long, oblong, 0.39 cm long with its foot divided in two



A - *Acianthera javieri* Archila

B, C - *Octomeria sulfurea* Chiron & N. Sanson (v. p. 33)

D - *Pabstiella lobiglossa* Chiron & N. Sanson (v. p. 36)

parts oblong with rounded apex, 0.23 cm long, 0.06 cm thick. Fruit, dorsally flat, centrally rounded, 1.7 cm long, 0.65 cm wide with the dry portion of the flower forming a horn.

See figure 2 and photograph page 15.

Etymology: Dedicated to my son Javier Archila, important companion on my field trips.

The main differences between *A. javieri* and *A. angustisepala*, are given in table 1.

<i>Acianthera circumplexa</i>	<i>Acianthera markii</i>	<i>Acianthera javieri</i>	<i>Acianthera angustisepala</i>	
brown	green	yellow	brown	color
small	very small	big	medium	size
green	green	purple and green	purple and green	leaf
1.3 cm long	0.74 cm long	1.7 cm long	0.9 cm long.	dorsal sepal
0.9 cm long	0.65 cm long	1.81 cm long	1 cm long	lateral sepals
elliptic	spatulate	oblong-elliptic	oblique linear	petals
trilobate, smooth	trilobate, smooth	triangular densally pubescent	elliptic not pubescent, warty	lip
1.2 cm long	1.03 cm long	1.7 cm long	1.1 cm long	fruit

Table 1: comparison between *Acianthera markii* and *A. circumplexa*, and between *A. javieri* and *A. angustisepala*

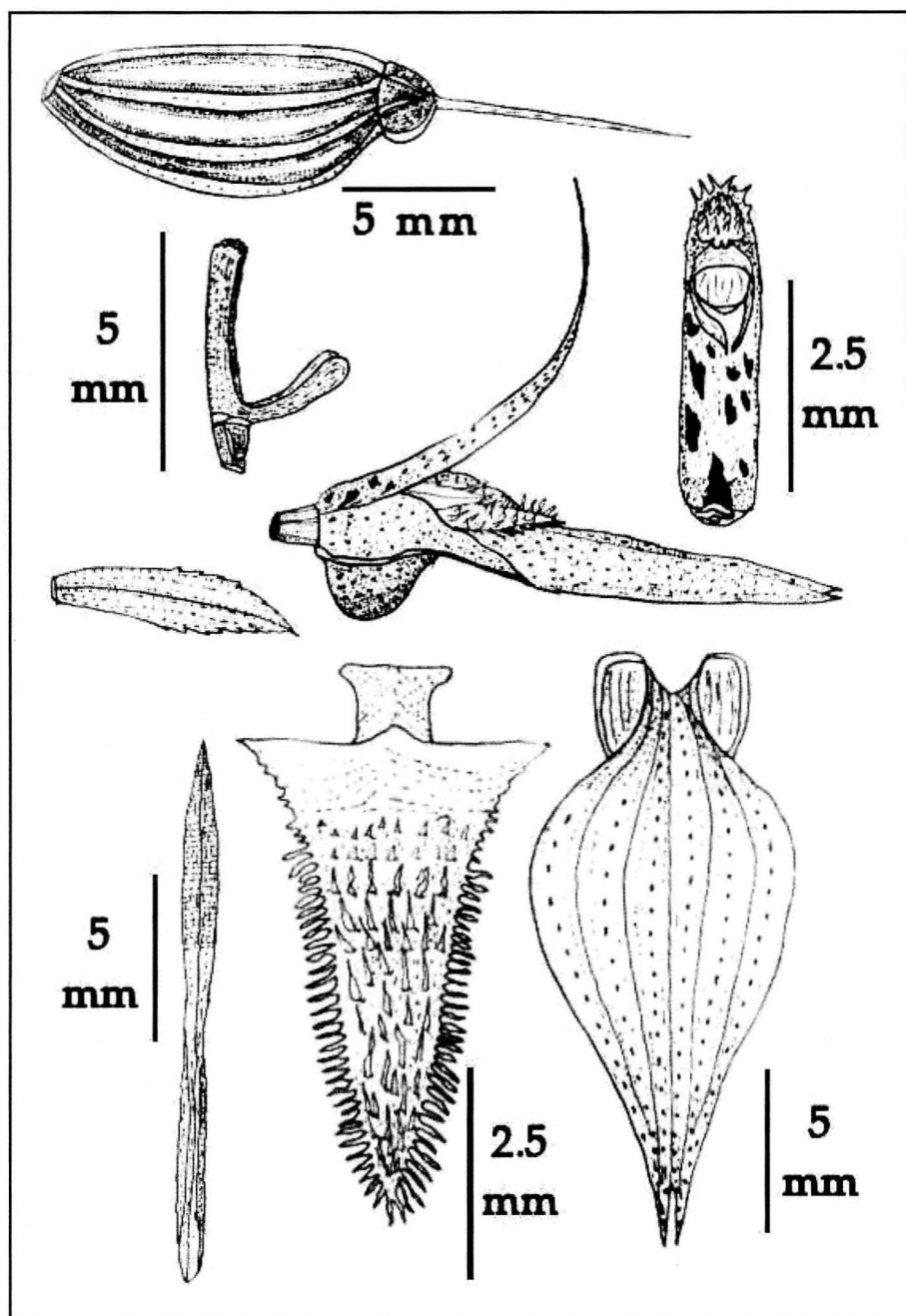


Fig. 2: *Acianthera javieri* Archila