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Subject: 43a Sailplane Balance Point and Pylon Location (Addition)

There is one other piece of information from Alfredo Herbond I forgot to include in my Report No. 43. Alfredo took the figure below from an article by M. Combs appeared in Model Airplane News, January 1959, which shows the Sailplane CG at 70% measured at MAC (Mean Aerodynamic Chord).

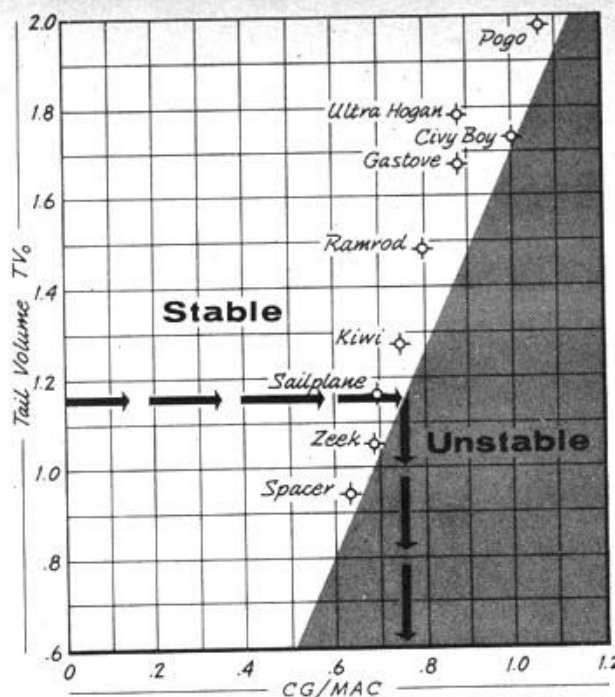


Fig. 1. By using plot, a relatively accurate CG position found.

Alfredo indicates that for the Sailplane, the MAC is virtually coincident with the wing chord at outward dihedral brake (Rib # 14). He projected the 70% CG position into the wing's center or pylon position using AutoCad to arrive at a 62% CG on the central chord position. Notice this agrees very well with Steve Rozelle's 62.73% CG that I presented on the previous report. I am convinced that a 62% CG is the right balance point for the Comet Sailplane.....Tandy

