

# KGS

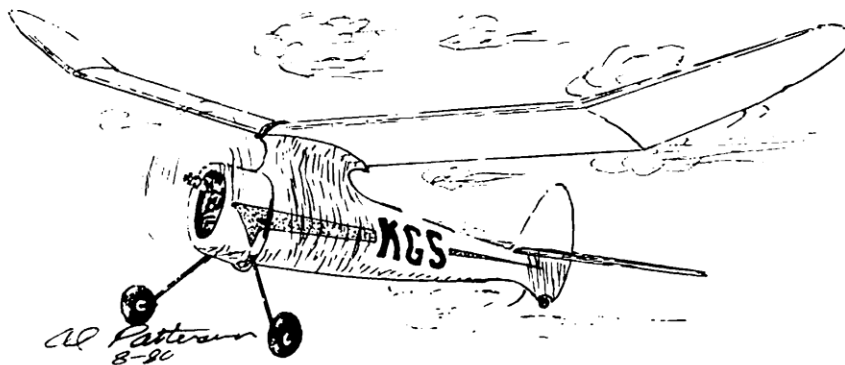
OLD TIMER Model of the Month

Designed by: Henry Struck

Drawn by: Al Patterson

Text by: Phil Bernhardt

• The 1934 K-G (Kovel-Grant), designed by Charlie Grant and built by Joe Kovel, was Henry Struck's inspiration for this month's featured Old Timer, the KGS (Kovel-Grant-Struck). Hank designed this competition pylon job over a 3-view drawing of the old ten-foot K-G, keeping all the moments and areas in direct proportion to those of the big airplane in an attempt to duplicate the big ship's remarkable stability. Stability, he maintained, is the basis of a winning design, so what could be better than to take the aerodynamic arrangement of a rock-stable, proven model and incorporate it into a much cleaner airframe? The result was the KGS, a much smaller and very much more streamlined version of the old clunker that did so much to popularize the gas model movement. Plans for the KGS were published in the



February and March 1940 issues of M.A.N.

Not many copies of the KGS have appeared in recent times, for some strange reason. The ship certainly looks like it has real potential for being a contest winner, and that's what 98% of all O.T. enthusiasts are looking for these days. Perhaps it's the combination of the planked fuselage and silk-covered pylon that scares builders away. Neither is really all that big a job, and we think you'll agree that the finished fuselage, with all those lovely shapes and contours, is well worth the extra work involved.

The fuselage is built on a triangular box framework, which serves to hold the formers in place while laying on the planking strips . . . very similar to the Joe

Ott "Ott-O-Former" kits. Wing and stab construction is strictly conventional, whereas the fin is shaped from a piece of 1/4-inch aluminum tubing. (Struck used this same technique on his later Apache and New Ruler designs also.) The idea here was that the tubing could be easily bent to any desired setting and would not warp in any weather conditions. Of course, the fin could be redesigned for a wood structure if you don't go for the tubing method.

For those who want the technical specs, the KGS has a projected span of 66 inches, projected wing area of 590 square inches, length of 42 inches, and must weigh at least 33 oz. to meet the SAM wing loading rule of 8 oz./sq. ft. Largest allowable engine for O.T. R/C events is a .25. ●