

PEANUT BLERIOT CANARD

By W. C. YOUNG. This month's Peanut Scaler is not only a little unusual, it is also a contest winning flier. Be the first one in your club to have someone say, "Hey, Mister, your plane's flying backwards!"

• Here is a very unusual peanut scale subject which surprised the author by its excellent flights off of the board and in spite of changes in CG and trim. These plus changes in rubber size and contact with the walls have very little effect on the flight of the aircraft. This is probably due to the fact that a canard is almost stall proof.

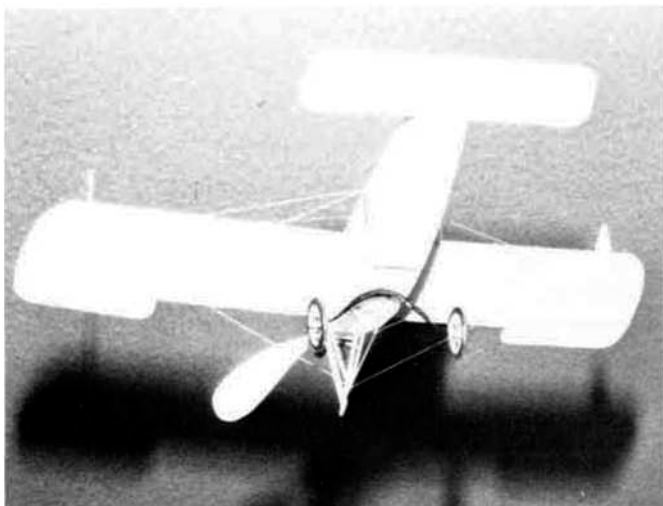
The real aircraft was built in 1911 by Mr. Blériot, while at his summer villa in Hardelot, near Boulogne. The engine was 50 HP Gnome rotary coupled to a Chauviere propeller. The ailerons were actuated by tubes inside the wings. All

of the information regarding this airplane was furnished by Bill Hannan of Hannan Graphics. The plans have been checked against several photographs of the real ship to verify scale.

The model was built entirely from Sig Contest balsa of 5 pound density. The covering is white tissue from Micro-X Products. This is the lightest and tightest Japanese tissue I have found. I used model airplane cement thinned 50% with acetone for the entire assembly, as well as the covering. The ship was flown with 0.080 inch Pirelli rubber of 12 inches length, using 1200 turns on each

flight.

Adjustment is conventional and very simple, as the aircraft is very forgiving. Stab tilt and wing washout were used to get correct powered glide trim. Vertical and side thrust were used to control the power burst. Best time to date is 1:18.00 and it is obviously capable of much more. Scale was judged as +12, using the published AMA provisional rules, and the finished aircraft weighed 5 grams, ready to fly, but minus rubber. I hope you have as much fun with your Bieriot canard as I did with mine.



Underside shot of the Blériot displays the leaf-spring landing gear. Prop would have to be shortened for R.O.G. flights.



The little canard causes no problems in winding or replacing the rubber! Prop is made up of formed sheet blades on toothpick hub.