COMET II Boost Glider

The plans for the COMET II boost glider (B/G) were scanned from the **JULY-AUGUST 1987** issue of ***T-MINUS-5*** (Vol. 3 No. 1, page 14). ***T-MINUS-5*** is the official newsletter of the Huron Valley Rocket Society, NAR Section 463. Information on the publication of and subscription rates for ***T-MINUS-5*** should be directed to:

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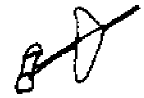
COMET II



By MARK O'BRIEN

The Comet II is an easy to build B/G that flies well on ½A3-2T and A3-2T motors. Based somewhat on the Whitewings® paper Twin Comets glider, this model features 2 small vertical rudders at the tips of the stabilizer. My model has turned in five successful flights, and although not a record-setter, it will perform respectably in ½A or A Boost Glide Duration events.

PARTS LIST:

1 sheet 1/16" balsa
1/32" plywood
1 strip of 1/8" x 1/4" balsa cut into 3 pieces, (1) 7", (1) 12", (1) 3" long
1 5" BT-5 or equivalent
1 BNC-5E
1 launch lug 1" x 1/8"
1 thrust ring for BT-5
1 screw eye
1 8" shock cord
1 1"x10" streamer

Glue the 7" and 12" strips together as shown for the fuselage. Cut out the "X" piece for the pod as shown here.

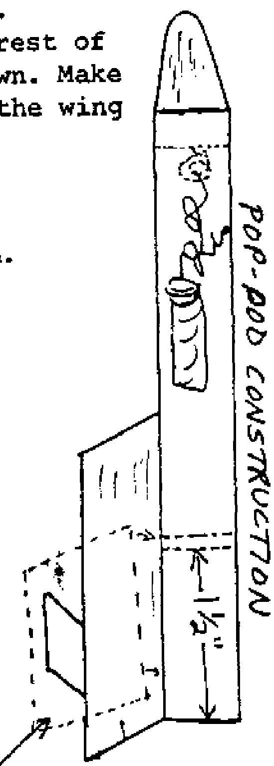
Cut out the wings and airfoil with fine sandpaper. Glue them together with one wing lying flat and the other supported 1½" high at the wingtip. This gives a 3/4" dihedral.

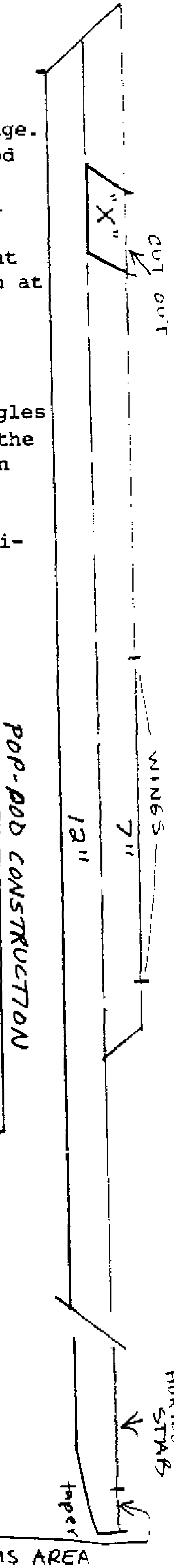
Cut out the horizontal and vertical stabs, sand, and glue. Make sure they meet at right angles for straight flights. Glue to the rear of the fuselage (top), even with the rear, leaving about ¼" of the rear of the stab without glue to adjust the angle of incidence, if needed.

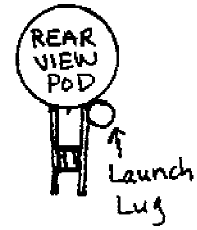
Assemble the rest of the model as shown. Make sure you fillet the wing joints!

HAVE FUN!!

Add clay to trim.







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