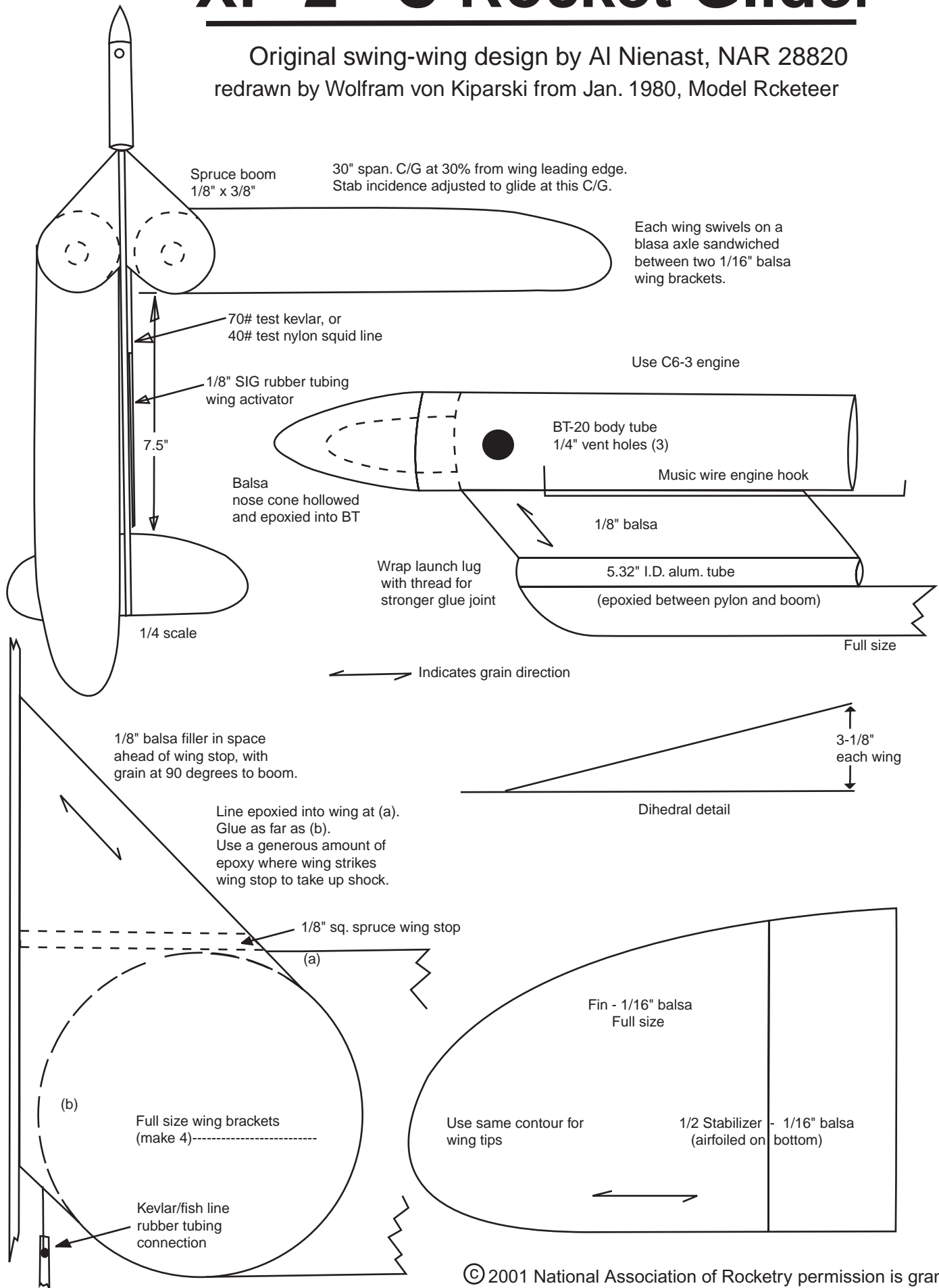


XP-2 C Rocket Glider

Original swing-wing design by Al Nienast, NAR 28820
redrawn by Wolfram von Kiparski from Jan. 1980, Model Rocketeer



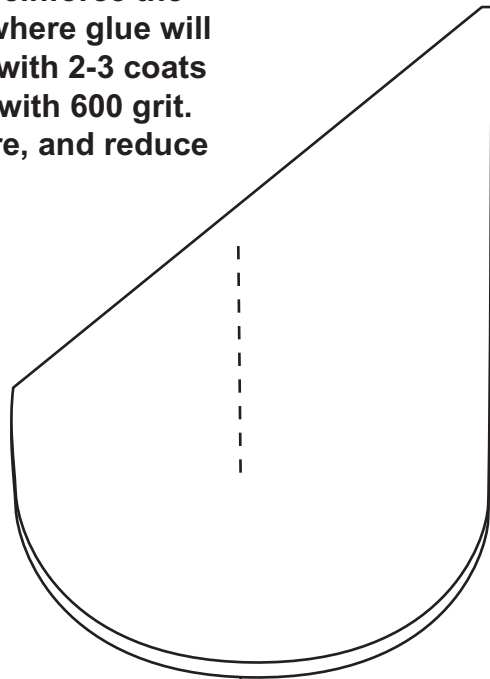
The Nienast swing-wing hinge

The original XP-2 gliders used bare balsa axles. Here is a version that uses BT-5/TT-5 tubing and an adapter ring to reinforce the assembly with almost no weight penalty. Except where glue will be applied to assemble the glider, finish the parts with 2-3 coats of clear dope and talcum powder, sanded smooth with 600 grit. This will help protect the mechanism from moisture, and reduce friction between moving surfaces.

Upper wing bracket

(1/8" balsa)

- epoxy to top of balsa/TT-5 axle
- DO NOT glue to wing

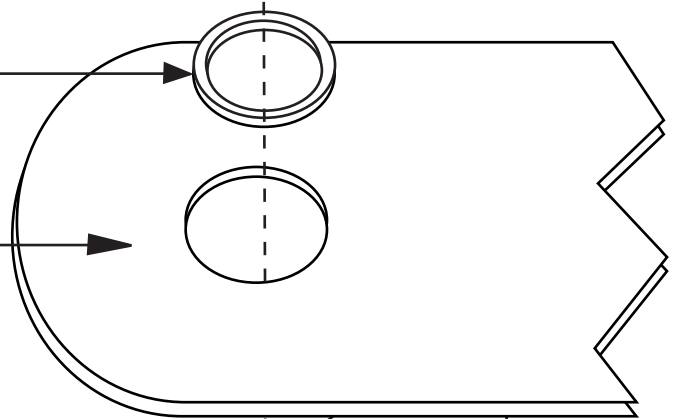


1/8" high TT-5/TT-20 adapter ring

Wing

(1/8" balsa)

- drill 11/16" hole
- glue TT-5/TT-20* adapter ring into 11/16" hole.
- assembly should swing freely around axle on lower wing bracket



Lower wing bracket

(1/8" balsa)

- balsa/TT-5* axle
- glue balsa bulkhead into TT-5 tubing and cut off slightly more than a 1/8" thick "wheel"
- epoxy to lower bracket

