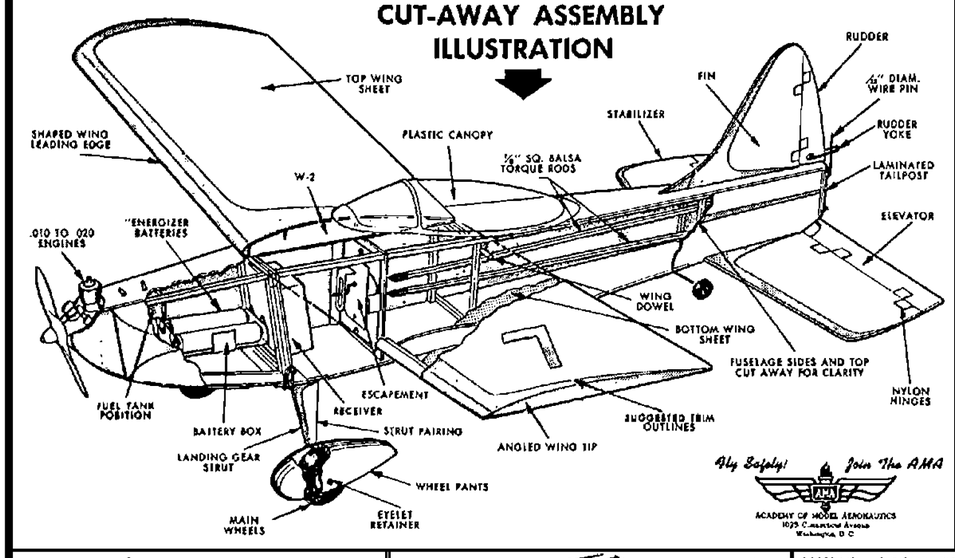
CUT-AWAY ASSEMBLY ILLUSTRATION



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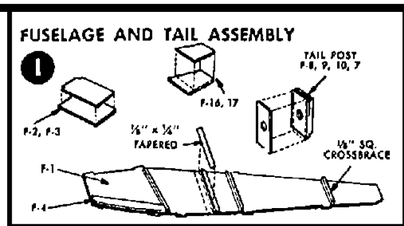
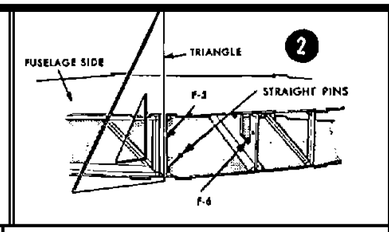
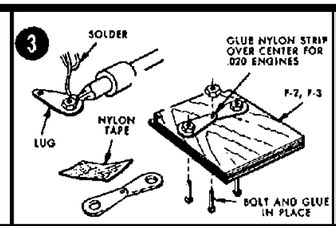
ACADEMY OF MODEL AERONAUTICS
1025 Connecticut Avenue
Washington D.C.

FUSELAGE AND TAIL ASSEMBLY

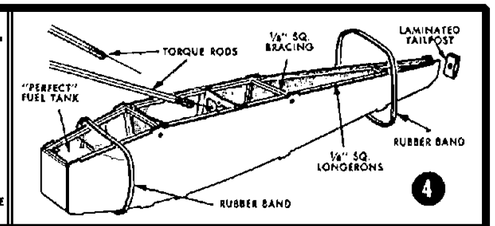


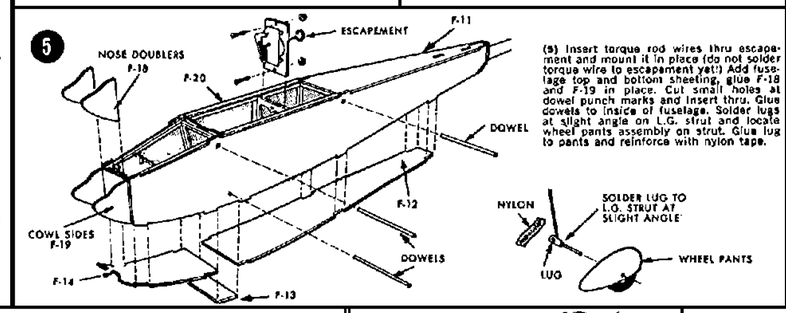
(1) Assemble and glue all parts to be laminated. (F-2, F-3, F-7, F-8, F-9, F-10, F-16, F-17). Stagger parts as shown. Glue F-4 and 1/8" squares in place. Taper 1/8" x 1/4" strips and glue in position on fuselage sides. (2) Assemble and tack fuselage sides together with formers F-5, F-6 and cross brace. Use triangle to position formers accurately. Pin down until glue dries.



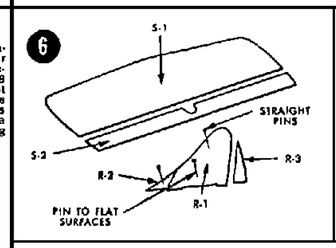


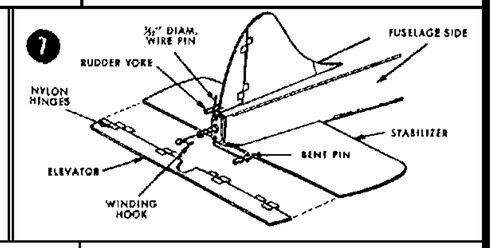
(3) Solder a nut to each of the two lugs provided. Drill holes in engine mount assembly for engine being used. (Inside punch marks for .010, outside punch marks for .020 engine). Place lugs as shown and bolt in place while glue is drying, for proper alignment. (4) Glue firewall unit and laminated tailpost in place. Hold together with rubber bands. Glue 1/8" sq. crossbracing in place. Make and insert torque rods. Locate fuel tank in position.



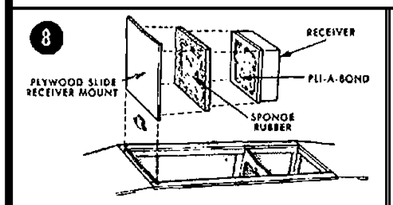


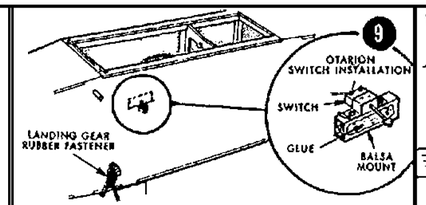
(5) Insert torque rod wires thru escapement and mount it in place (do not solder torque wire to escapement yet) Add fuselage top and bottom sheeting, glue F-18 and F-19 in place. Cut small holes at dowel punch marks and insert thru. Glue dowels to inside of fuselage. Solder lugs at slight angle on L.G. strut and locate wheel pants assembly on strut. Glue lug to pants and reinforce with nylon tape.





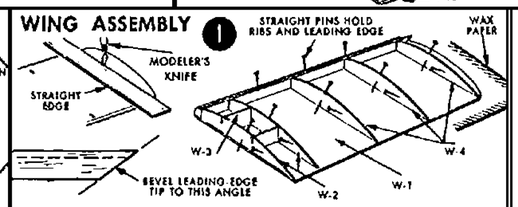
(6) Glue parts R-1 and R-2 together on a flat surface. Sand parts lightly after glue has dried. Sand stabilizer and elevator also. (7) Sand rear of fuselage lightly and glue stabilizer assembly in place. Check for correct alignment while drying. Glue nylon hinge pieces to rudder and elevator and attach to fixed surfaces. Bolt rudder yoke in place. Bend torque rods as shown. Insert bent pin into elevator. Put winding hook on rubber loop and thread rubber thru fuselage onto escapement hook.

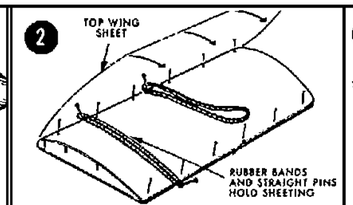


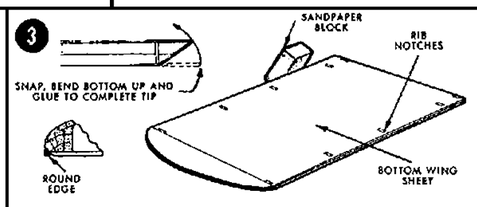


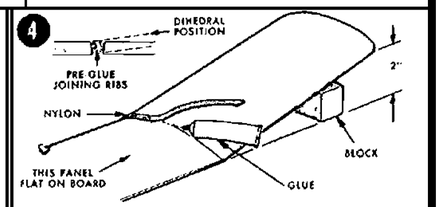
(8) Mount receiver as shown, using sponge rubber and Pli-A-Bond adhesive. For lighter weight, remove receiver cover. Batteries are wrapped in foam rubber and stuffed into bottom of nose section. (9) Cut hole for switch installation. An "Otarion" switch is recommended. Glue permanently to inside of fuselage side.

WING ASSEMBLY

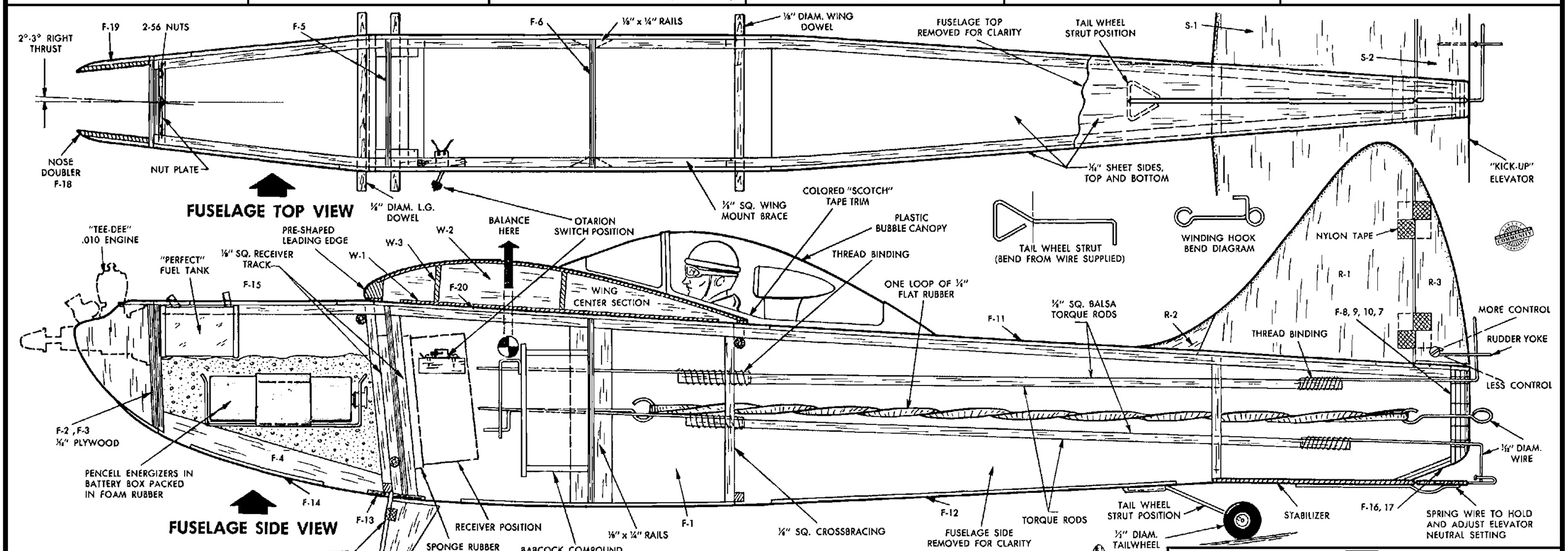








(1) Pin bottom sheeting to flat board. Glue shaped leading edge to sheeting. Cut taper at tip of leading edge and then glue wing ribs and braces into notches. (2) Glue top sheeting to wing leading edge and hold with pins. Then bend over and glue to wing ribs and at trailing edge. Hold in place with pins and do not remove from board until glue has thoroughly dried. (3) Finish tips by bending up along score line on underside of bottom sheet. Glue bent up tip portion to top wing sheeting. When dry, sand to smooth streamlined edge. (4) Take the two finished panels and trim off all remaining excess. Butt-join the wing panels together with the correct dihedral. Cement nylon to the centersection and apply several coats of glue. When thoroughly dry smooth-sand the entire wing.



RECOMMENDED PROPS	
ENG. DISP.	SIZE
.010	3-1¼
.020	T.F. NYLON 5¼-3

RECOMMENDED RADIO EQUIPMENT	
RECEIVERS	ESCAPEMENTS
CITIZENSHIP LT "3"	BABCOCK MK II
F & M "PIONEER"	CITIZENSHIP SE.
C & S CS-501	
OTARION 0-21	
O.S.	OR EQUIVALENT

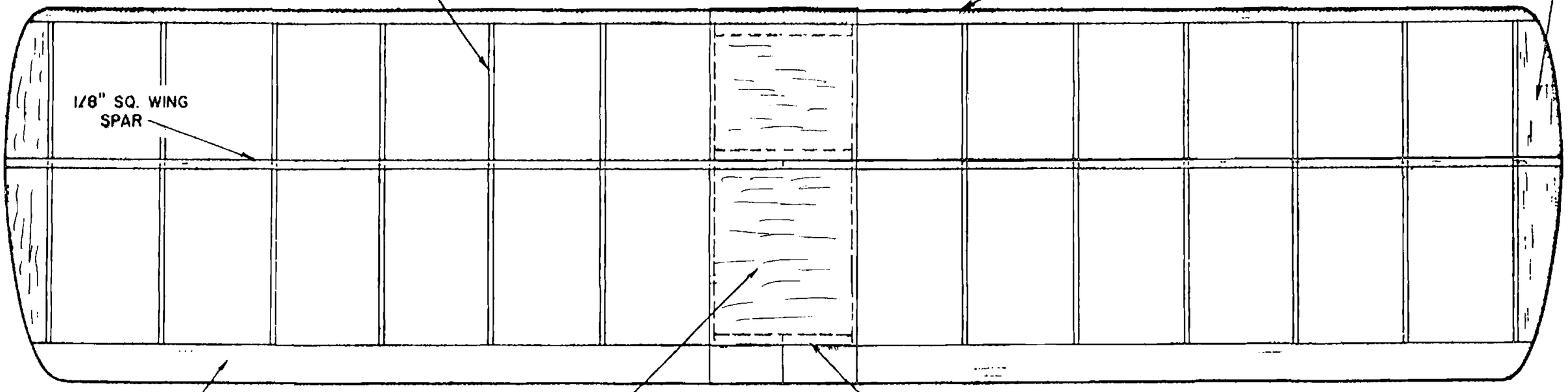
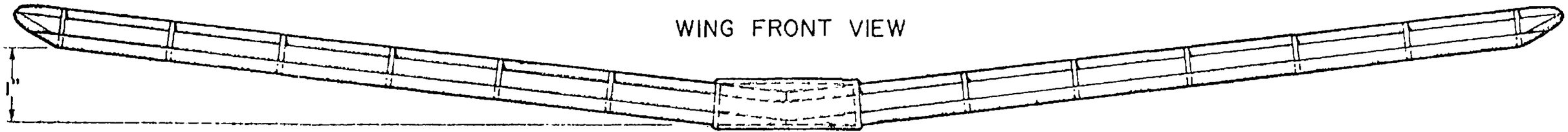
SPAN: 21½" TOP FLITE LENGTH: 19¼"

R/C ROARING "20"

DESIGNED BY: KEN WILLARD PROD ENG: SID AXELROD

ILLUSTRATED BY: PAUL E. DEL GATTO

WING PLAN



WING FRONT VIEW