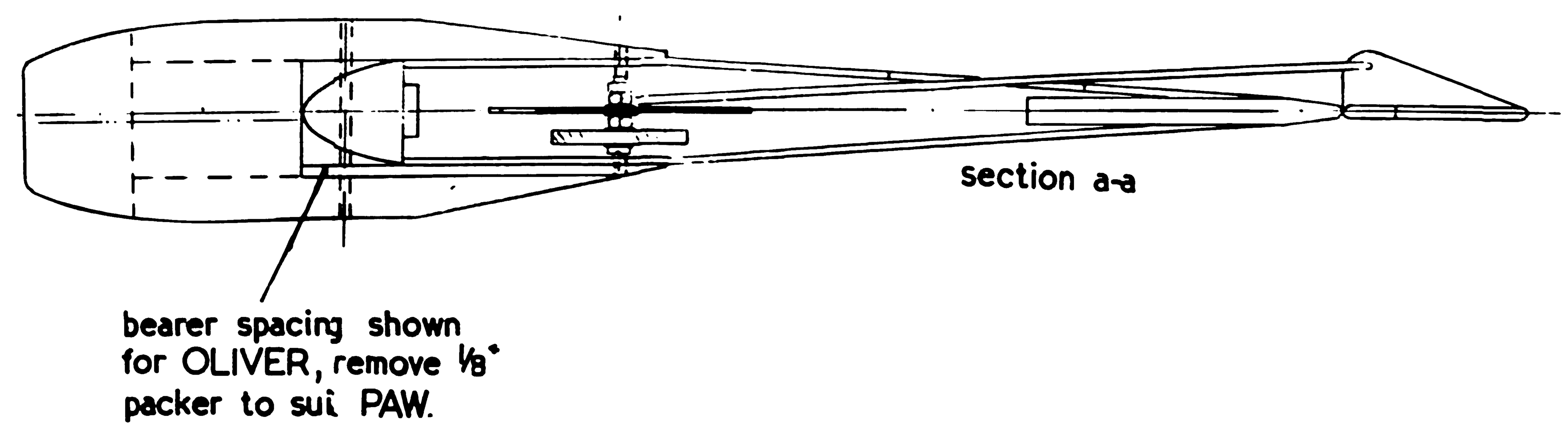
WARLORD

An F.A.I. COMBAT MODEL

by VERNON HUNT



BUILDING INSTRUCTIONS

The following instructions are only intended as a general guide to building. Experienced builders may wish to adopt their own building sequence.

1. Commence construction by marking rib positions and taper onto the 1" square leading edge. Carve away surplus balsa with knife or razor plane.
2. Glue 1/8" x 1/2" hardwood spar to the leading edge with white glue.
3. Carve engine bearers to shape and make up engine mount assembly from bearers, 1/16" ply plate and 1/2" nose block. Do not fit 1/2" balsa side cowl at this stage. (Note – [illegible] bearer spacing for motor used and adjust with 1/8" x 1/2" balsa packer [illegible] shown on plan).
4. Check [illegible] of ribs [illegible] over trailing edge. Also slot rib R1A to accept 1/8" ply bellcrank mount. D[illegible] 1/4" dia. holes in wing ribs for leadout wires (not supplied with kit).
5. Glue ribs to LE and TE, checking over plan for accurate construction.
6. Add bellcrank mount, tips, 1/2" balsa tip supports, outboard tip weight (1/2 oz.) and 1/8" sheet gussets.
7. [illegible] bellcrank assembly, pushrod, flexible leadouts and leadout guide tubes.
8. [illegible] tank as shown or separate instructions and fit in position shown, with [illegible]
9. [illegible] section top and bottom with 1/16" sheet – cut to clear tank.
10. [illegible] engine [illegible] assembly to wing using epoxy glue, drill for engine and add 1/2" balsa side cowl and 1" balsa fillet.
11. Drill through complete engine bearer assembly and add 1/8" dowels in position shown on plan.
12. Sand complete wing, tapering the trailing edge to line shown and leading edge to section.
13. Cover complete model in nylon, give four coats of clear dope – this gives model additional strength. Experienced fliers could use plastic film. Nylon covered models should be fuel proofed.
14. Bend pushrod to fit horn and secure with 1/16" plastic tube.
15. Hinge elevator to wing trailing edge using tape, glue ply diecut horn in position and trim to streamlined profile shown on plan.
16. Fit motor and prop. and balance model to give CG position as shown on plan.

Optimum weight	16 oz. (0.454 kg)
CG position	1.7/16" (36.5mm) from front of leading edge.
Max. elevator movement	15° each way.