Polaris
20" SPAN
CHUCK GLIDER

Wing Section at Root

Sand down wing panels & cement together - allowing for the dihedral shown in the Front View. Put aside to dry. Scoop a shallow 'V' in the fuselage before cementing the wings in place.

Cement fairings at wing joint.

When assembled, the model is ready to fly without any treatment being given to the wood, hence no liquids are supplied in the kit. For a longer durability or exhibition model, the following finish is suggested. After sanding the model all over, apply a coat of Bonite Oil; this brings up all the loose particles of wood dust which are easily removed w/ fine sandpaper. Repeat the applications of Bonite Oil 3 or 4 times, sanding between each coat with a finer grade of sandpaper. Finally, apply a coat of wax polish to obtain a glossy finish.

PLAN VIEW

When assembled add weight to the nose until the model balances level when held by the wing tips at 'X'. Vary this weight until the correct flying trim is obtained.

32 sheet tailplane

4 Strands of 1/8 x 50 rubber 10' long, stretched between two wooden pegs set in the ground.

SIDE VIEW

Although designed as a chuck glider 'POLARIS' may also be flown by means of a catapult as shown here. Only fly the model on reasonably calm days.

For details of catapult version see sketch at top of plan.

Sand down wing at tip

Fuselage Sections

Dihedral 25°