



HALF-A

BY VINCE MICCHIA

SUPER SPORT TRAINER

The design goal for the 1/2A SST was to obtain the flight performance in a small, economical aircraft that is usually found only in the larger, more powerful R/C ships. Dozens of flights have proven that this little bird does just that.

There is an impressive speed differential between powered flight and glide. Several design factors contribute to this. These are the clean lines, an efficient wing with ample area, and overall light flying weight. Noticeably absent is the drag producing landing gear. To date there has been no problems with hand launching and landing on grass.

Another feature is the use of ailerons rather than rudder in a two channel ship. Besides smoother turns, ailerons allow a greater variety of maneuvers. Whether you want an aileron trainer or a super sport fun ship, you should give the SST a try!

Now for building this bird, we have placed the instructions, supplemented with illustrations, on the plans so there is no need to duplicate them in the text. The only thing we should mention concerns the wing. You can make templates for the airfoil and cut your own foam cores or you can buy a Sure Flite #206 constant chord wing kit for \$7.95.

We hope you will enjoy the 1/2A SST as much as we have.

1/2A SST

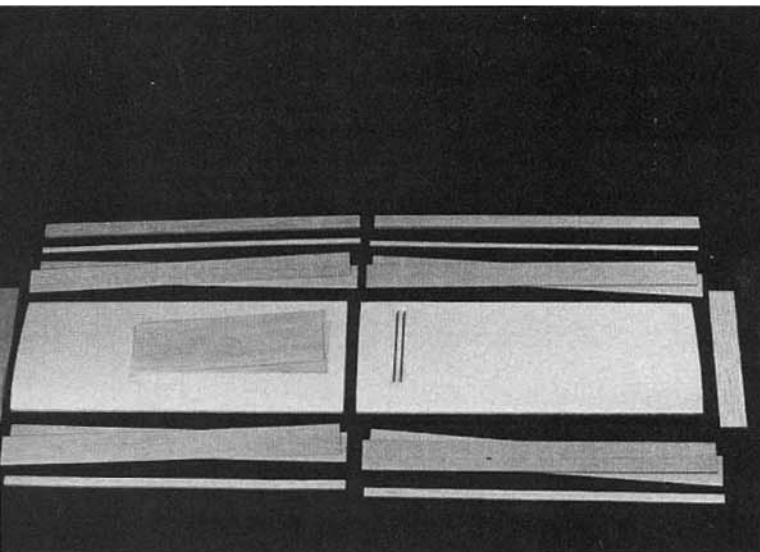
Designed By: Vince Micchia

TYPE AIRCRAFT
1/2A Sport Trainer
WINGSPAN
33 Inches
WING CHORD
6-15/16 Inches
TOTAL WING AREA
242 Square Inches
WING LOCATION
High Wing
AIRFOIL
Semi-Symmetrical
WING PLANFORM
Constant Chord

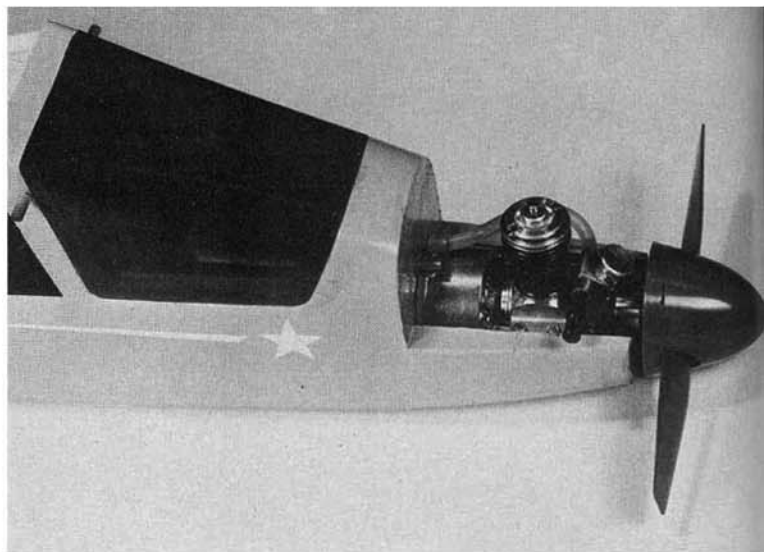
DIHEDRAL, Each Tip
3/16 Inch
O.A. FUSELAGE LENGTH
31-3/16 Inches
RADIO COMPARTMENT AREA
(L) 7³/₄" x (W) 1⁷/₈" x (H) 3"
STABILIZER SPAN
14³/₄ Inches
STABILIZER CHORD (incl. elev.)
3³/₄" (Average)
STABILIZER AREA
53 Square Inches
STAB AIRFOIL SECTION
Flat
STABILIZER LOCATION
Bottom Area of Fuselage
VERTICAL FIN HEIGHT
4¹/₂ Inches

VERTICAL FIN WIDTH (incl. rudder)

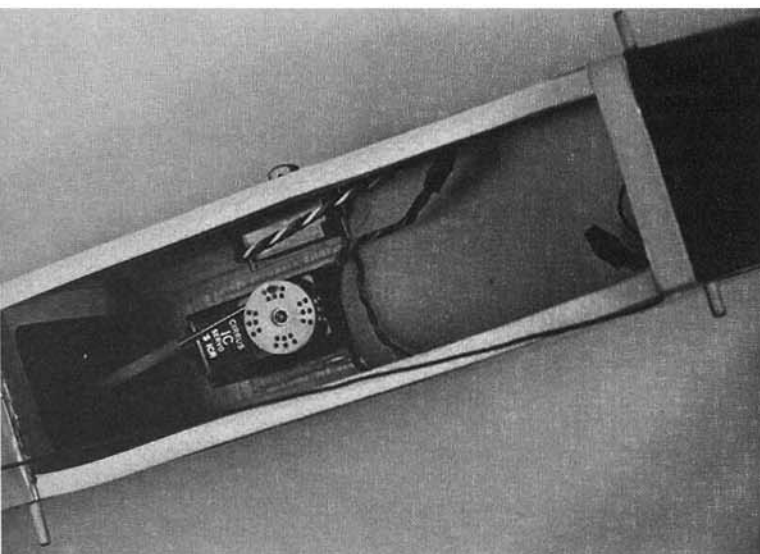
4¹/₄" (Average)
REC. ENGINE SIZE
.049 — .051 Cu. In.
FUEL TANK SIZE
Sullivan R-2 (2 oz.)
LANDING GEAR
None
REC. NO. OF CHANNELS
Two
CONTROL FUNCTIONS
Aileron and Elevator
BASIC MATERIALS USED IN CONSTRUCTION
Fuselage Balsa and Ply
Wing Foam and Balsa
Empennage Balsa
Weight Ready-To-Fly 21 — 26 Ounces
Wing Loading 12.5 — 15.4 Oz./Sq. Ft.



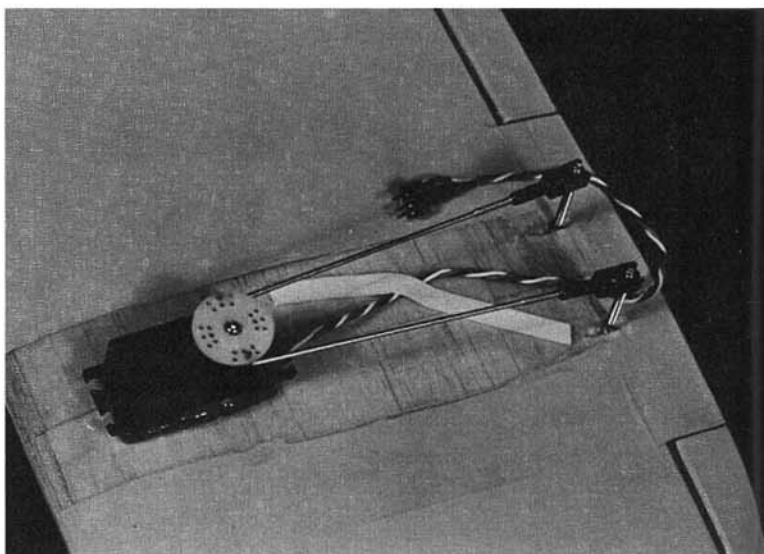
The SST wing cores can easily be cut, or are commercially available.



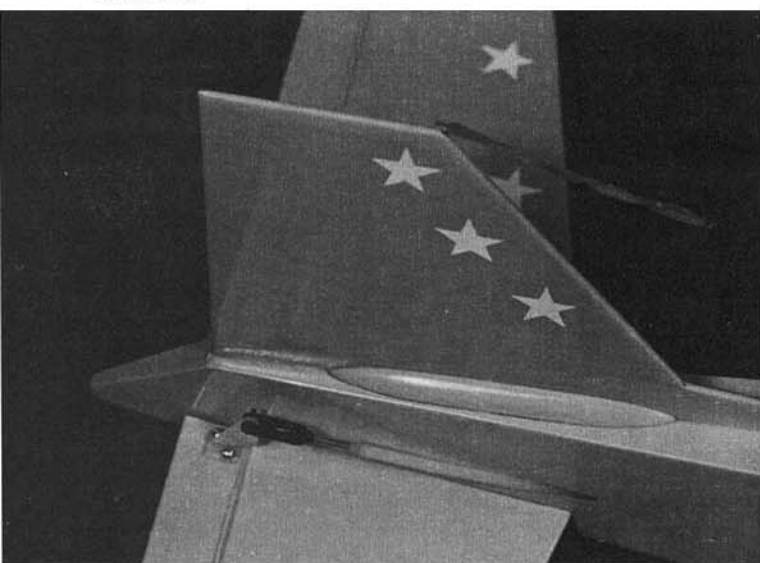
Cox .049 or .051 on Tatone mount is plenty of power for this low-drag machine.



Receiver packed in foam leaves plenty of room for the elevator servo.



Aileron servo installation and linkage in the foam core wing.



Gold'N-Rod pushrod connection from servo to elevator. Note vertical fin supports.



Fast building, good looking, and no frills make the SST an excellent aileron trainer or sport ship.