

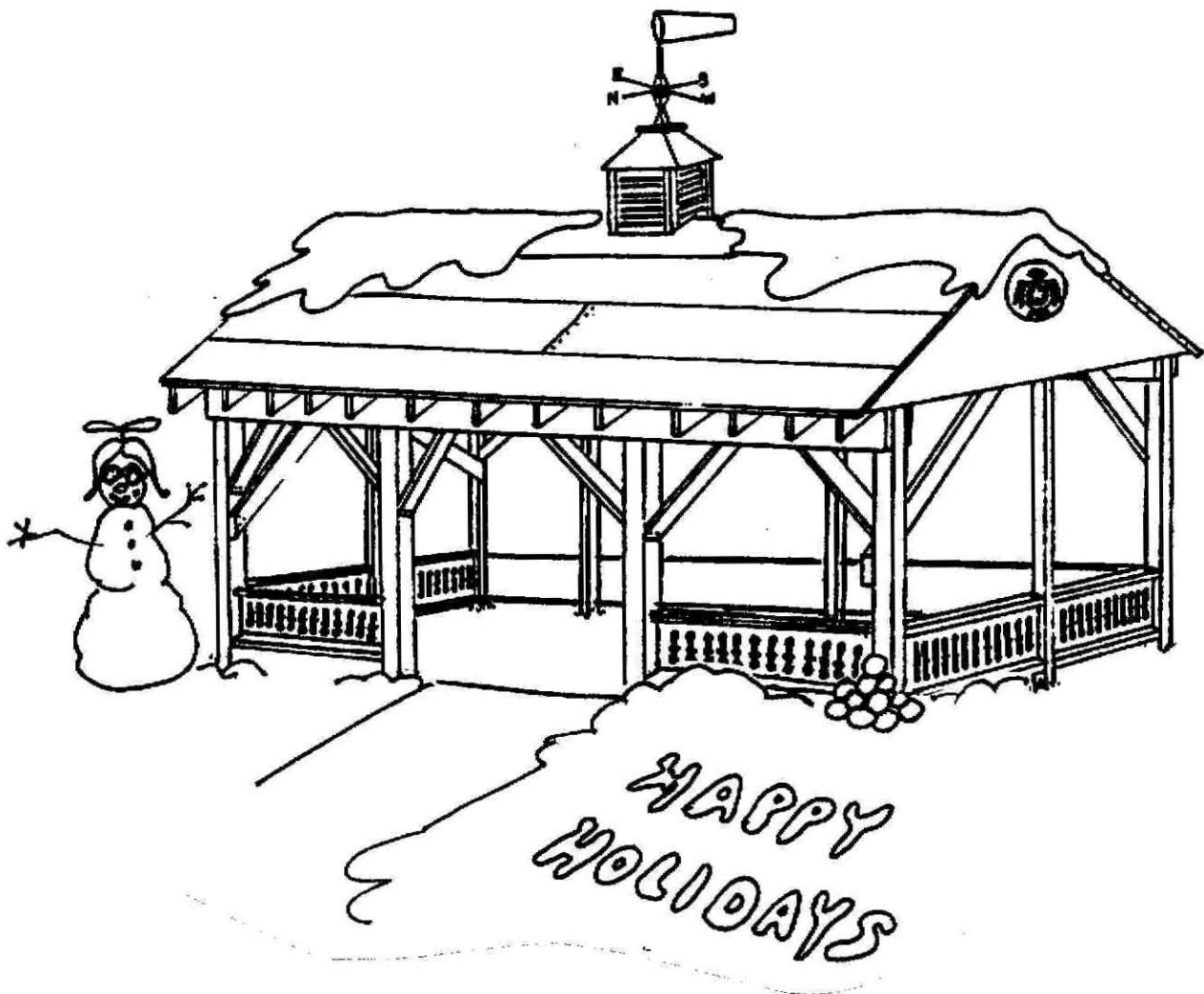
PROP PLANE WASH



Vol. 198

December 1991

From all of the S.T.A.R.S.



To you and yours !

OFFICERS OF THE S.T.A.R.S. CLUB

PRESIDENT - DAN WILLIAMS
652-7740
VICE-PRESIDENT - DAVE SIKORSKI
699-4719
SECRETARY - BOB WASSEL
457-5706
TREASURER - LON SAUTER
695-2448



STARS MEMBERS

STARS MEETING
DECEMBER 11, 1991

Time: 7pm Place: Town of Schroepel
Offices



would you believe...

REMINDER STARS MEMBERS: DUES ARE DUE
TO THE CLUB BY DECEMBER 31ST....SEND
IT IN NOW AND AVOID THE RUSH!



THE PLANE PROP WASH IS THE OFFICIAL
NEWSLETTER OF THE STARS CLUB; & AS
SUCH, ALL PROCEEDS FROM ADVERTISE-
MENTS, SUBSCRIPTIONS, ETC. GO TO
FURTHER ENHANCE THE TREASURY OF THE
STARS CLUB. THE PURPOSE OF THE PLANE
PROP WASH IS TO KEEP THE MODELERS OF
THE STARS CLUB & SUBSCRIBERS AWARE OF
HAPPENINGS WHICH INFLUENCE OUR HOBBY.
THERE IS NO INTENT TO SHOW FAVORITISM
TOWARD ANY CLUB, HOBBY SHOP OR INDI-
VIDUAL. WE HOPE YOU ENJOY OUR NEWS-
LETTER.

Classifieds

FOR SALE: Jet Hangar Hobbies F86
ducted fan full kit. List price \$325
plus shipping. Asking \$249...will
consider trades. Used K&B 7.5 and
Turbax 1 fan. Call Pete at 455-1925.

SPACE IS AVAILABLE FOR INDIVIDUALS
WISHING TO SELL OR TRADE IN EACH
ISSUE OF THE NEWSLETTER FOR A NOMINAL
FEE OF 50 CENTS PER AD. CONTACT
MARGE SAUTER AT 2062 RABBIT LN,
PHOENIX, NY 13135.

S.T.A.R.S. MEMBERS ORDER YOUR COPY OF:

"THE 1991 S.T.A.R.S.
AIR SHOW VIDEO"

To Order your Copy, just
write your name in the
space below & give this
form to Dan Williams with
your payment. If paying by
check, please make check payable
to "Recreational Video Media"
The cost for the tape is \$ 13.00

Name: _____

Format: Vhs Beta

video & title c. 1991 Recreational Video Media

THROUGH RAIN, SNOW, SLEET OR HAIL,
THE MAILMAN GOES ON HIS APPOINTED
ROUNDS; BUT HE CAN'T DELIVER IF THE
ADDRESS IS WRONG. IF YOU MOVE,
PLEASE ADVISE US OF YOUR NEW ADDRESS.

ANY MODEL AIRPLANE CLUB WISHING TO
ADVERTISE A FORTHCOMING CONTEST OR
EVENT CAN ACQUIRE A FULL PAGE AD FOR
THE TRIFLING FEE OF \$2. A NOTICE IN
THE CALENDAR OF EVENTS IS OF COURSE
FREE.

THE PREZ SEZ

Winter's here, I'm sorry to say. I hope everybody's shop is warm, so you can get some building done. I've spent more time in the shop with projects for the house than for modelling. If you're one of those brave souls that actually fly in the winter, Bob Wassel has his great skis again. I'm sure you'll still be able to get into the field okay. Just don't get stuck!

This year is closing down fast. We've accomplished a lot this year. Our Flight School, in the capable hands of the vprez Dave Sikorski, has come into its own. I'm sure next year it'll be even more popular, so look out. It has brought many great new members into the Club, and they've helped a great deal with our many projects. However, without the leadership of Bob Prugger and Fran Worth, we wouldn't have gotten anywhere near as much done. Speaking of Fran, when you see him, tell him thanks for the super job on the pavillion. That should be great for our Snow Fly, and should last for a lot of years. We also rebuilt the sides, thanks to Dave Sikorski and friends. You guys braved some rather nasty weather to get those put up. Nice job. Boy! I can hardly wait until next year!

I don't have too much more to say, but I'd like to take this opportunity to express my sincere thanks for all the cooperation with the Club this year. I've thought through all that we've done, and you guys are what makes this Club great. Your help has made my job bearable, and it actually gets fun being the president of such a super group of friends. I'm looking forward to an even better year ahead, whether I'm president or not. Thanks again, and a job well done to all who helped out.

Dan

Each year the CNYMAA offers Scholarships to individuals enrolled in a full time higher education school or university. This year there will be three Scholarships for the amount of \$500, \$300, and \$200. To apply for these scholarships the applicant must:

- Be a member of, or in the immediate family of a member of a CNYMAA club
Note: immediate family includes; Brother, Sister, Child, Parent, Spouse, Grand-child, and adopted Stepchild.
- Fill out the attached Application.
- Supply a Resume which includes grade point average of previous year or semester, (High school grades if applicable), and major field of study.
- Copy of any official document that confirms the applicants enrollment in an institution of higher learning.

The applications should be sent to: Lon Sauter
2062 Rabbit Lane
Phoenix, NY 13135

All of the applications will be reviewed at the January 16th 1992 CNYMAA meeting and the winners will be selected. The Scholarship checks will be presented at the Banquet following the 1992 CNYMAA Model Aircraft Show held on Saturday Jan 25, 1992 at the NY State Fairgrounds. The winners will be guests of the CNYMAA for this event. In the event that the winner cannot attend the banquet, their check will be mailed to them. If more information is needed call Lon Sauter at 315-695-2448.



1992 Central New York Model Aircraft Association, Inc Scholarship Program

APPLICATION FORM

NAME _____

ADDRESS _____

CITY _____ STATE _____ ZIP _____

SEX _____ BIRTH DATE _____

NAME OF SCHOOL _____

DEGREE _____ MAJOR _____

GRADE POINT AVERAGE _____

HOBBIES _____

SCHOLASTIC ORGANIZATIONS _____

ADDITIONAL INFORMATION _____

Send Application to: Lon Sauter
2062 Rabbit Lane
Phoenix, NY 13135

PEARL HARBOR TO DESERT STORM FIFTY YEARS OF AMERICAN AVIATION EXCELLENCE



CENTRAL NEW YORK
MODEL AIRCRAFT ASSOCIATION

Presents

16th Annual Symposium & Model Show
Modelers & General Public are Cordially Invited

SATURDAY - JANUARY 25th - 1992, 9 a.m. to 5 p.m.

NEW YORK STATE FAIRGROUNDS

THE NEW HORTICULTURAL BUILDING

60,000 sq. ft. of Ongoing Live R/C Demonstrations

- | | |
|------------------------|-------------------|
| • CLUB BOOTHS | • STATIC DISPLAY |
| • DEALER BOOTHS | COMPETITION |
| • A.M.A. BOOTH | • R/C AIRPLANES |
| • SWAP SHOP | • R/C BOATS |
| • MODEL SEMINARS | • R/C CARS |
| • RCMAA/AMA | • R/C HELICOPTERS |
| TRANSMITTER CERT. | • FREE FLIGHT |
| • MOVIES & VIDEO TAPES | • ROCKETS |

CONCESSION STAND

MODELING DEMONSTRATIONS

See: Flying Demo's (Weather Permitting)

DINNER SATURDAY NIGHT FOLLOWING SYMPOSIUM

A.M.A. DISTRICT II MEETING

Admission: Day of the Show

Adults: \$5.00 - Students & Senior Citizens: \$4.00 - Under 12 Free

ADVANCE TICKET SALES

Adults: \$4.00 - Students & Senior Citizens: \$3.00 - For Tickets, Contact:

Jim Abrams - P.O. Box 461 - Fulton, New York 13069



1992 CNYMAA SYMPOSIUM DISPLAY RULES

ENTRY FEE.....FREE WITH ENTRANCE TICKET

DRAWING.....A DRAWING FOR A PRIZE WILL BE HELD AT THE PRESENTATION OF AWARDS. EACH ENTRY WILL BE ELIGIBLE.

CLASSIFICATIONS

TRAINER AIRCRAFT

SPORT AIRCRAFT

SPORT SCALE AIRCRAFT

GIANT SCALE AIRCRAFT

HELICOPTER

SAILPLANE

PATTERN AIRCRAFT

ELECTRIC AIRCRAFT

S.A.M.

R/C CARS

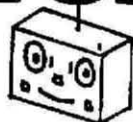
R/C BOATS

ROCKETS

GENERAL RULES

1. ALL ENTRIES MUST BE IN THE DESIGNATED STATIC DISPLAY AREAS FROM 11:00 AM UNTIL THE AWARD PRESENTATION TO BE ELIGIBLE FOR ANY AWARD AND THE DRAWING.
2. PREVIOUS FIRST PLACE WINNING MODELS ARE NOT ELIGIBLE HOWEVER THEY ARE ELIGIBLE FOR DISPLAY AND WILL BE ELIGIBLE FOR THE DRAWING.
3. CONTEST OFFICIALS WILL BE RESPONSIBLE FOR DETERMINING THE CLASSIFICATION OF EACH ENTRY.
4. EACH CONTESTANT MUST HAVE CONSTRUCTED AT LEAST 80% OF THE ENTRY.
5. ANYONE WISHING TO DISPLAY A MODEL WITHOUT ENTERING IS WELCOME TO DO SO.
6. IN EACH CLASSIFICATION AWARDS WILL BE GIVEN FOR FIRST, SECOND, AND THIRD PLACE. PRIZES WILL BE AWARDED FOR BEST JUNIOR, BEST FILM, BEST PAINT FINISH, AND BEST IN SHOW.

LON'S RC SERVICE



2062 RABBIT LANE
PHOENIX, N.Y. 13135
(315) 695-2448

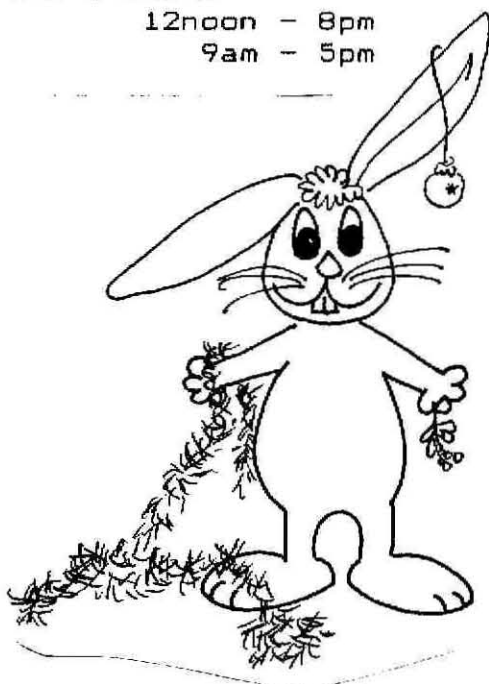
Your Professional Approach To Aero Modeling

MARGE'S HOURS

tues-fri 12noon - 8pm
saturday 9am - 5pm

LON'S HOURS

tues-fri 6:30pm - 8pm
saturday 9am - 5pm



CHECK OUT OUR RED DOT SPECIALS!



*Season's Greetings
Lon & Marge*

LON'S R/C SERVICE IS THE SHOP THAT CAN SATISFY
ALL YOUR MODELING NEEDS.

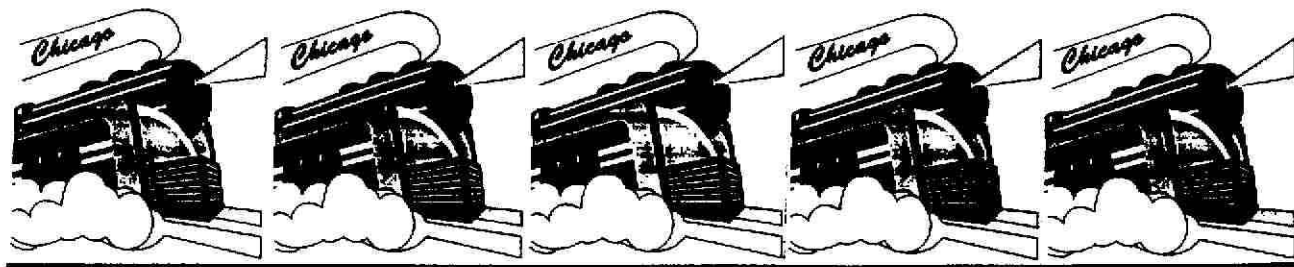
WE HAVE OVER 1800 DIFFERENT ITEMS IN INVENTORY!
WE SHIP VIA UPS DAILY.

CALENDAR OF UPCOMING EVENTS

- December 11 - STARS meeting
- December 14 - STARS Christmas party
- January 25 - CNYMAA MODEL AIRCRAFT SYMPOSIUM NY State Fair Grounds
- June 20-28 - AMA NATS at Chicopee, Massachusetts

NEWS OF THE AIRS FROM THE MODELAIRES:
Congratulations to the new officers for 1992 - President...Ray Payne, Vice-President...Mark Voorhis, Secretary-Debbie Helmer, and Treasurer...Robin Cusenz.

WELCOME TO THE NEW HOBBY SHOP IN TRI COUNTY MALL...STOP IN AND SAY HELLO! It seems that "out of work" STARS members keep popping up there!

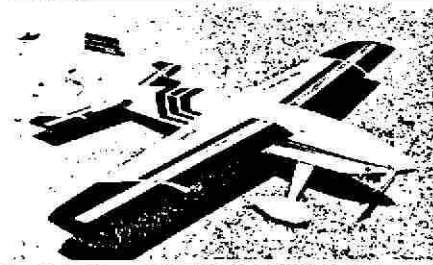
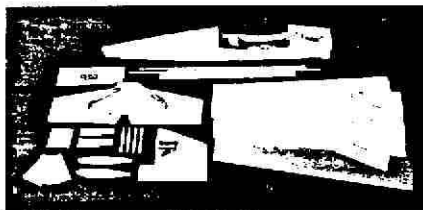


FROM THE CHICAGO SHOW! MORE
SAMPLINGS OF THE ITEMS WE SAW FIRST
HAND!

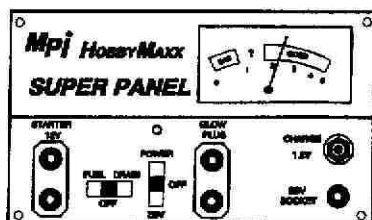
SPECIFICATIONS

Name	AIRTRAX .61
Aircraft Type	Sport
Manufacturer By	L&R Aircraft Ltd. 13845 Fisher Road Burton, Ohio 44021 Tel. (216) 834-1578
Mfg. Sug. Retail Price	\$179.95
Available From	Direct from Mfg.
Wingspan	84 inches
Wing Chord	11 inches Avg.
Total Wing Area	704 Sq. in.
Fuselage Length	83 1/2 inches
Stabilizer Span	28 inches
Total Stab Area	195 Sq. in.
Mfg. Rec. Engine Range	50 to 61
Rec. Fuel Tank Size	16 Oz.
Recommended No. of Channels	4-6
Rec. Cont. Func.	Rud., Elev., Throt., All., Flaps/rons
Basic Materials Used in Construction:	
Fuselage	Balsa, ply.
Wing	Foam, Balsa
Tail Surfaces	Balsa
Building Instructions on Plan Sheets	No Plans
Instruction Manual	Yes (13 pages)
Construction Photos	No

L&R Aircraft Ltd. AIRTRAX .61



Automatic Power Panel with built-in E. S. V.



SAFETY PLUS +

MADE IN U.S.A.



PILOT GLASSES

You may be asking yourself, just what makes these *pilot glasses*? The fact that they are actually real safety glasses certainly is a factor! All four styles are made entirely of Polycarbonate for impact protection to ANSI Z87.1 specifications. The wrap-around style keeps debris from entering your eyes. Great when used during engine start-up. Four different styles are available: A mirror gray and gray sunglasses that both block out 100% of ultra violet light, an amber pair that allows you to fly right up until dark (some people go longer!) and a clear pair to be used strictly as safety glasses. The mirror gray pair seems to be the most popular (especially with sailplaners). The lenses of these glasses are reflective with a narrow gray strip through the middle. These glasses offer extra protection from sun, water, and snow. The gray pair is a dark gray that works great for most conditions. Lenses are quartz mist coated for scratch resistance. If you are like most of us, you will find that you probably want all four pairs. One big plus for eyeglass wearers is that these fit right over most regular prescription glasses. Each pair of glasses comes in a case with belt clip.

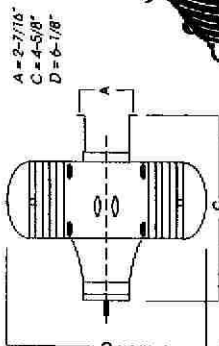
SAITO THE TRADITION CONTINUES... SAITO FA-60 TWIN

The newest addition to the Saito line of quality built four stroke engines is the Saito FA-60 Twin engine. The FA-60T features a double journal crankshaft similar to that found on both the FA-270T and FA-300T engines. This type of crankshaft allows this powerful engine to run smooth even under the most intense conditions. The FA-60T utilizes ABC piston/cylinder configuration and a single carburetor which makes adjusting your engine much easier.

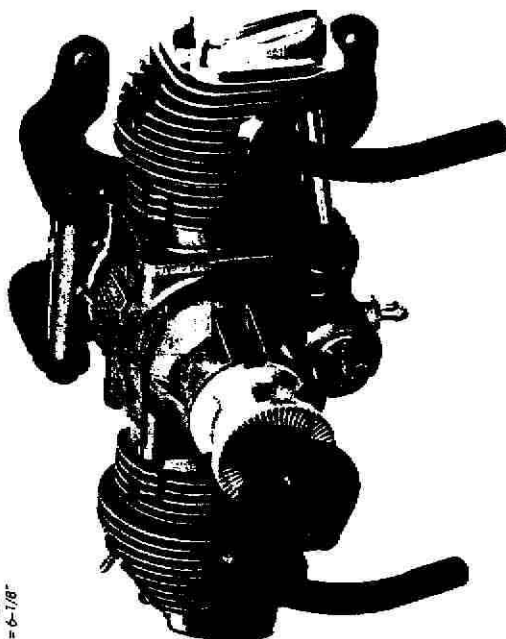
SPECIFICATIONS

DISPLACEMENT (cc)	10
BORE (mm)	20
STROKE (mm)	18
PRACTICAL RANGE (rpm)	10,000
WEIGHT (g)	750
RECOMMENDED PROP. (in)	10 x 8 - 13 x 6
CYLINDERS (cc)	5 cc x 2 ABC
HORSEPOWER (hp)	0.9

The outstanding performance characteristics of these engines will make them ideal for sport aircraft as well as planes like Cubs and Decathalons.



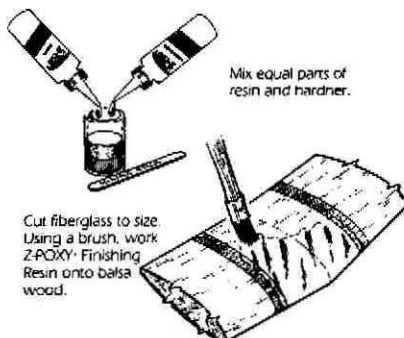
A = 2-7/16"
C = 4-5/8"
D = 6-1/8"



PT-40 Z-POXY[®] FINISHING SYSTEM FOR COMPLETE WING

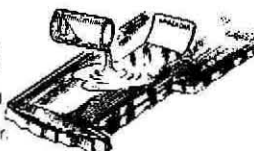
The final touch in epoxy finishing. Perfect for applying fiberglass and silk coverings to model planes and boats. Sands easily to a smooth, non-brittle finish. One to one mix. No unpleasant fumes or odors.

1. Mix equal parts of resin and hardener.

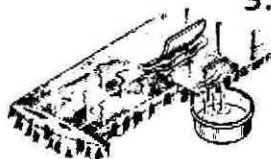


Cut fiberglass to size. Using a brush, work Z-POXY[®] Finishing Resin onto balsa wood.

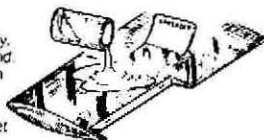
2. Lay fiberglass over wing. Pour a small amount of resin over fiberglass and "squeeze" into cloth with spreader.



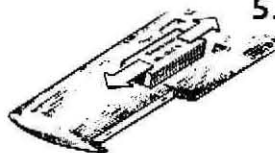
3. Using spreader, "squeeze" excess resin into container, leaving a thin surface of fiberglass and resin. Allow to dry 4 to 6 hours.



4. Trim excess fiberglass away, and lightly sand. Mix more resin and spread thinly over surface, and let dry.



5. Once dry, sand surface with 220 grit sandpaper using sanding block. Then prime and paint.

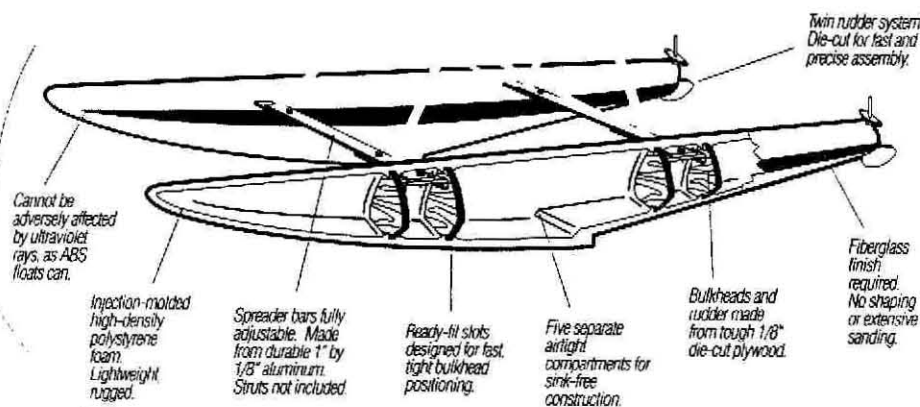


Immediately apply the glass cloth to the wet resin then use the brush to stipple the resin up through the cloth.

Use a squeegee to spread or remove excess resin.

Allow resin to cure then use a sanding block to level the major bumps and lumps. Flow on a second coat of resin which should be allowed to cure before sanding to a fine finish. Remove masking tape last so that balsa wood wing skin is always protected from the sanding block.

Universal 1/4 scale EDO 2000 series floats.



Gentlemen... *Big* START YOUR ENGINES!

1. Wrap rope around the Power Handle track...
2. Push reversible spinner cone onto spines...
3. Have helper hold plane...
4. And Pull!



REVERSIBLE SPINNER CONE WORKS WITH ALL ENGINES, LARGE OR SMALL

THE ACE R/C

POWER HANDLE

FIRST TO FINISH



STARHAWK HIGH WING (SHW 1040)

SPECIFICATIONS

Wingspan 56"
Wing Loading... 20-oz/sq. ft. (approx.)
Length 46.5"
Recommended Power 40-size
Fuel Tank Installed 10-oz
Radio Required 4 Channel



STARHAWK'S BALSA & SILKSPAN CONSTRUCTION RESULTS IN A BEAUTIFUL FACTORY PAINTED AIRPLANE THAT IS TRULY REPAIRABLE.

****Also available as a Ready-To-Cover Plane! Fly your favorite colors!*****

Micropro Software Upgrade (Version 4.00)

Following is a description of the enhancements and options for the first major Micropro software upgrade, Version 4.00.

As soon as the upgraded software is ready, all transmitters will be shipped with it as well as the Communications Port as standard equipment at no additional charge.

Registered Micropro owners will receive notification of the new software. The upgrade can be ordered and includes a new EPROM chip plus a new RAM chip which plugs into a currently unused socket. If desired, the new side panel which includes the Communications Port Connector can be installed (four solder joints required.) Factory installation of the upgrade and optional switches is also available. Part numbers and prices are at the end.



RS232 Interface Option:

With the addition of the appropriate "smart" cable, the Micropro can be interfaced with any IBM compatible computer. When linked with the computer, you can upload all the parameters in the transmitter's memory, make any modifications to the aircraft settings, and download them back to the transmitter. Hard copy print-outs can be made for record keeping plus unlimited different set-ups can be saved on disc.

Transmitter Communications and Buddy Box Option:

When two Micropro Version 4.00 transmitters are connected via an optional cable, communications between the two transmitters is established. Set-ups can be transferred between transmitters plus Buddy Box capability is achieved. The particular channels that are accessed by the student when the teacher pushes the button are programmable. Either transmitter can be "teacher" or "student".

Snap Roll Switch Option:

A three position, spring loaded snap roll switch can be installed to give two (left and right) programmable positions for elevator, ailerons, and rudder. The switch can be disabled for any given aircraft number, if desired.

Alternate Aircraft Switch Options:

A two position switch can be installed so that, in flight, two aircraft set-ups can be accessed; the primary and a selectable alternate so you can experiment with a new configuration. The display indicates that the alternate is engaged and which aircraft number it is. This switch can be enabled or disabled for any given aircraft memory location.

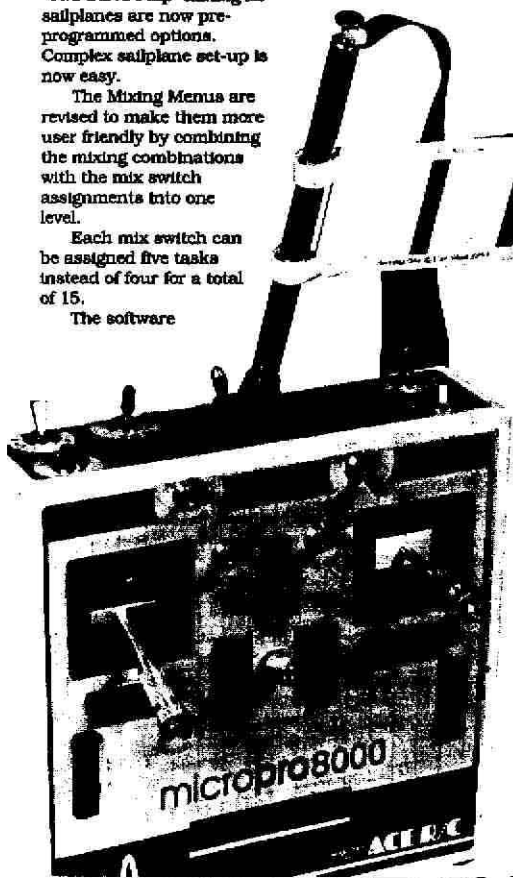
Mixing Enhancements:

"Crow", "Flaperon", and "Two Servo Flap" mixing for sailplanes are now pre-programmed options. Complex sailplane set-up is now easy.

The Mixing Menus are revised to make them more user friendly by combining the mixing combinations with the mix switch assignments into one level.

Each mix switch can be assigned five tasks instead of four for a total of 15.

The software



automatically makes the servos go in proper direction when using the "V-tail" or "Elevon" mixers. If Differential Aileron is turned on, the Channel 7 servo can be reversed.

The "FROM" channel trims will NOT affect the "TO" channel servo except when needed in the pre-programmed mixers.

The Throttle Preset button will affect the "TO" channel if throttle is mixed into another channel.

The amount of "FROM" channel mixing is determined by the joystick position so any travel differential incorporated in the "FROM" channel is not translated into the "TO" channel.

Additional Enhancements and "Special Functions":

The beeper beeps each time the "Option" button is pushed to indicate positive contact.

The aircraft number being affected is displayed wherever possible throughout the Calibrate Menus.

When "Saving" the servo calibrations, the menu prompts you to make sure the Dual Rate switches are set properly.

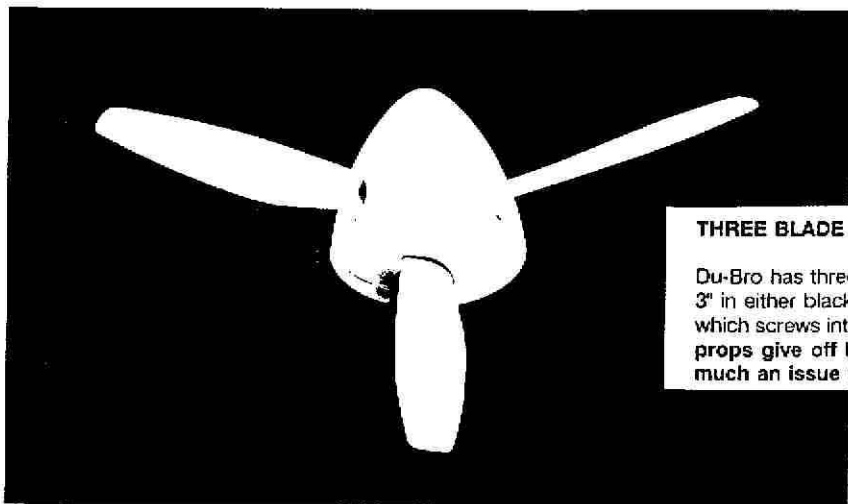
When the timer is in the countdown mode, it will "wrap around" zero and begin to count up. An arrow indicates that it is counting up. Also, the stopwatch has a "pause" mode that allows stopping and restarting.

Throttle Trim can now be effective three ways: when the stick is in the HI position only, when the stick is in the LO position only, or, normally, throughout the stick travel. (SET TH TRIM MODE)

Channel 5 (retract) can be made to travel slowly from on endpoint to the other (slewing). The speed can be set from 0-12. Primarily for realistic retract function. (SET CH5 SLEWING)

The complete set-up for a given aircraft number can be duplicated into a different aircraft number. (DUP CURRENT AKFT)

If two Micropro transmitters are connected with the optional TX to TX Interconnect Cable, the complete set-up for any given airplane number can be transferred from one transmitter to the other. (GET EXT. AKFT)



THREE BLADE SPINNERS

Du-Bro has three new spinners for three blade props. Available in sizes 2", 2-1/2" and 3" in either black or white. These Spinners are held together with 3 socket head bolts which screws into nylon insert lock nuts that are pressed in the back plate. Three blade props give off less prop noise than conventional two blade props. Noise is very much an issue today!



Minutes of 11-13-91 STARS meeting

14 members, 7 associate members, 2 junior members, 3 guests present. Meeting was called to order by president, Dan Williams at 7:02 PM. Minutes of October meeting were approved. Treasurer's report was given by Lon Sauter and approved.

Association report: Dan Williams reported association scholarship award applications were available from Lon Sauter. Scholarships of 500, 300, & 200 dollars will be awarded.

AMA report: Lon Sauter reported election results were not yet available.

Field report: Dave Skiorski reported cement pad and walk-way to field area of pavillion was poured on Saturday, Nov. 9th. Thanks are extended to all who helped on this project. Fran Worth reported \$847. was spent thus far, on the pavillion. A work party was scheduled for 9AM, Sat., Nov. 16 to close in the lower wall areas of the pavillion.

Safety committee: Art Rose reminded members to secure 1992 AMA memberships.

Old business: Mark O'Connell of the nominating committee reported the following slate for 1992 STARS officers: President, Dan Williams; Vice President, Dave Sikorski; Treasurer, Phil Morgan; Secretary, Jim Mirra. Additional nominations are being sought; please contact the nominating committee. Scott Deyo volunteered to replace Mark O'Connell on the STARS club booth committee for symposium. Dan Williams reported RPH Hide-A-Way has been reserved for Dec. 14th STARS Christmas dinner. Possible menu includes roast beef @ 7.95, baked chicken @ 7.95, and either a sea food platter @ undisclosed price or Flounder @ 7.95. Dan will send out reservation forms with complete details to all members. Dan also reported he has not, as yet, contacted Niagara Mohawk but has an electrician lined up to install electricity to field pavillion.

New business: Motion by Lon Sauter for club to provide \$100 to Dan Williams to secure recognition awards for individual club members was approved. After discussion, Michael Graham volunteered to conduct the club on-going raffle with \$100. gift certificate as prize. Application for associate membership for Jim Wurster was discussed and approved. Welcome to the STARS Jim. Dan Williams reported club dues for 1992 are becoming due with the end of January as cut off date. All are reminded dues reduction for meeting attendance does not apply anymore.

Show & tell: Mark O'Connell displayed wings of his Ace Big Bingo under construction. Dave Sikorski displayed his Eureka pattern ship. Bob Wassel displayed various size wooden skis for snow flying. Dan Williams displayed wing of Goldberg Cub he is constructing. Lon Sauter displayed sonic detector to help locate downed planes and Digipace II battery management system.

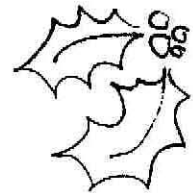
Meeting was adjourned at 8:15 PM.

Bob Wassel

After meeting, Ed Byrnes presented a great program on vacume bag covering. Thanks Ed!

Please make my R/C Christmas wishes come true.

DEAR SANTA,



LOOKING TO MAKE A NAME FOR YOURSELF?
WHY NOT CONTRIBUTE AN ARTICLE FOR THE
PROPWASH... SHARE YOUR EXPERIENCES,
GOSSIP, ETC.