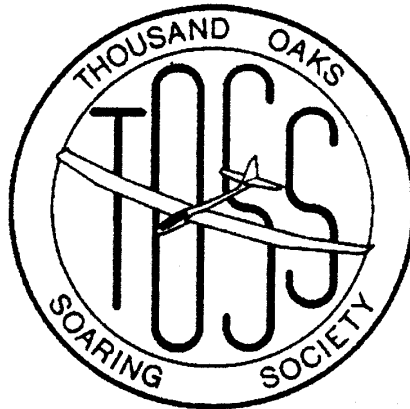


TOSS -- UP



NEWSLETTER

DECEMBER 1992

844 CHARLES STREET,

MOORPARK, CA. 93021

A.M.A. CHARTERED CLUB # 1943

EDITOR: BOB SWET 2600 PONDEROSA DRIVE, #15 CAMARILLO, CA. 93010

PRESIDENT:

Mike Leal
844 Charles Street
Moorpark, CA 93021
(805) 529 - 7535

VICE PRESIDENT:

Thomas Akers
1583 Wakefield Ave.
Thousand Oaks, CA 91360
(805) 496 - 6655

SECRETARY:

Larry Jimenez
1943 Channel Drive
Ventura, CA 93001
(805) 652 - 1937

TREASURER:

Bob Swet
2600 Ponderosa Dr., #15
Camarillo, CA 93010
(805) 388 - 9619

CLUB WINCHES:

Thomas Akers	(805) 496 - 6655
Mike Leal	(805) 529 - 7535
Edgar Weisman	(805) 496 - 0611

NEXT CLUB CONTEST:

Date	Sunday, January 10, 1993
Place	Redwood School, T.O.
Time	9:00 a.m.
C/D	To be determined.

NEXT CLUB MEETING:

Date	December 22, 1992
Day	** TUESDAY **
Place	Cameron House
Time	7:30 p.m.

TOSS NOTES FOR NOVEMBER MEETING

No OLD BUSINESS to discuss.

NEW BUSINESS:

1) Elected Club Officers for 1993:

PRESIDENT *MIKE REAGAN*
VICE PRESIDENT *EDGAR WEISMAN*
SECRETARY *THOMAS AKERS*
TREASURER *MIKE LEAL*
NEWSLETTER *LARRY JIMENEZ*

Volunteered:

NEWSLETTER ADVISOR *BOB SWET*

2) TOSS contest schedule will remain the same as last season. We will alternate Saturdays and Sundays every other month. The December newsletter will include a proposed schedule for 1993.

3) We need C/D's for 1993. Please sign up at the December meeting.

4) We held a raffle for the SC2 helpers the winners were:

MIKE STERN (1993 TOSS Membership)
DON NORTHERN (1 - TOSS Monthly Contest Fee)
DANE VANNETT (1 - TOSS Monthly Contest Fee)
TIM HOPPLE (1 - TOSS Monthly Contest Fee)

Maybe next year you too can be a raffle winner!

HOPE TO SEE MORE OF YOU OUT AT THE
FIELD AND AT THE MEETINGS THIS NEXT
YEAR!

HAPPY HOLIDAYS AND HAVE A HAPPY NEW
YEAR

*** LARRY ***

TREASURERS REPORT

Our current balance is \$342.88. We have 14 members that have already paid their 1993 dues. At \$20.00/year, it is quite a bargain. You get twelve newsletter, and two INSURED fields to fly at. Anyone having new outstanding bills to the club please submit them ASAP. Thanks - Bob

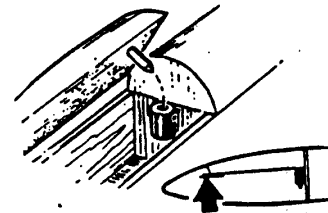
REPRINTED FROM
S.U.L.A. NEWSLETTER 11/92

NEW NEWSLETTER EDITOR

At this time I would like to welcome Larry Jimenez as your new TOSS - UP editor. He is assuming the primary responsibility your newsletter. I will be teaching him how to use all the new software including Ventura Publisher, the custom TOSS roster data base and contest scoring program. The next time you see him, please thank him. It is a job, that takes up quite a bit of time especially when there are not many members helping. If he had not volunteered, I am fairly certain you would be without any newsletter for 1993. THANKS AGAIN, Larry.

PROPOSED 1993 TOSS MONTHLY CONTEST SCHEDULE

Sunday	January 10	Redwood School, T.O.
Saturday	February 13	Paramount Ranch, Agoura
Sunday	March 14	Redwood School, T.O.
Saturday	April 10	Paramount Ranch, Agoura
Sunday	May 9	Redwood School, T.O.
Saturday	June 12	Paramount Ranch, Agoura
Sunday	July 11	Redwood School, T.O.
Saturday	August 14	Paramount Ranch, Agoura
Sunday	September 12	Redwood School, T.O.
Saturday	October 9	Paramount Ranch, Agoura
Sunday	November 14	Redwood School, T.O.
Saturday	December 11	Paramount Ranch, Agoura



This is a friction-fit hatch hold down that, according to its originator, has never yet lost a hatch for him. The thick-walled rubber tubing supplied with Sullivan nylon pushrods (or the equivalent from an auto parts store), can be glued to the fuselage former as shown. A suitable-size dowel in the underside of the hatch just plugs into the rubber tube while the forward end of the hatch can be retained by the usual tongue or pin (arrowed). It's called The Ultimate Attachment. One can only admire its effectiveness and simplicity.
Raphael Boguslav, Newport, Rhode Island

12/17/92

1992 THOUSAND OAKS SOARING SOCIETY ROSTER

19:48:00

1993 DUES	LAST	FIRST	PHONE NO	STREET	CITY	ST	ZIP	AMA #
	AKERS ARNOLD	THOMAS DENNIS	(805) 496-6655 (818) 988-4354	1583 WAKEFIELD AVE 6535 HASKELL AVENUE	THOUSAND OAKS VAN NUYS	CA CA	91360 91406	385783 249690
Resigned	BENNETT BOYNTON	JIM JIM	(805) 373-1480 (818) 347-0982	1478 OBERLIN AVE. 6953 MINSTREL AVE.	THOUSAND OAKS WEST HILLS	CA CA	91360 91307	72810 411517
PAID	BUZOLICH DEVLIN	NICK ED	(714) 854-3689 (818) 848-9520	19366 SIERRA BELLO RD. 839 E VERDUGO AVE.	IRVINE BURBANK	CA CA	92715 91501	147697 14094
PAID	ELLIAS GEOHAGAN	JOHN JIM	(805) 388-5674 (805) 388-1130	1961 VIA MONTECITO 5643 E. WILLOW VIEW DRIVE	CAMARILLO CAMARILLO	CA CA	93012 93012	304647 143567
	GOLDFIELD GRISWOLD	JOSH CHUCK	(805) 497-9937 (805) 495-1409	1849 MARVIEW DRIVE 1646 LA JOLLA DR.	THOUSAND OAKS THOUSAND OAKS	CA CA	91362 91362	 12108
PAID	HARLAND HARTMAN	JAY RICHARD	(805) 527-5685 (805) 488-6136	662 WELLER COURT 1852 SANFORD ST	SIMI VALLEY OXNARD	CA CA	93066 93033	 111039
PAID	HINMAN HOPPLE	STAN & BILL TIM	(805) 484-1149 (805) 498-9448	5260 HIDALGO ST. 163 NORTH CASTILIAN AVENUE	CAMARILLO THOUSAND OAKS	CA CA	93010 91320	15233 333346
	JIMENEZ KIM	LARRY SONNY	(805) 652-1937 (805) 523-3436	1943 CHANNEL DR. 15266 #A CAMPUS PARK DRIVE	VENTURA MOORPARK	CA CA	93003 93021	378742 437956
	KIRBY KLUSS	FRANK & KYLE BILL	(805) 495-1997 (805) 497-2120	1967 CAMPBELL AVE 1368 MORROW CIRCLE	THOUSAND OAKS THOUSAND OAKS	CA CA	91360 91362	419022 15036
PAID	KOPLAN LEAL	TERRY MICHAEL	(818) 889-6984 (805) 529-7535	30434 W. RAINBOW CREST DR. 844 CHARLES ST.	AGOURA HILLS MOORPARK	CA CA	91301 93021	71615 334482
	LUERA MICHITSCH	FRANK ROBERT	(805) 684-1384 (818) 991-0666	5956 VIA REAL #2 6012 COLODNY DR.	CARPINTERIA AGOURA HILLS	CA CA	93013 91301	392617 222852
PAID	MORAN MORGAN	MYLES RALPH	(818) 882-4687 (805) 484-7728	10428 OSO AVE. 2120 GORMAN STREET	CHATSWORTH CAMARILLO	CA CA	91311 93010	18426 11074
PAID	McNAMEE	ART	(805) 526-6292	2645 PLACERVILLE CT.	SIMI VALLEY	CA	93063	7417
PAID	McNAMEE	DON	(805) 526-3145	2291 NORTH HIETTER	SIMI VALLEY	CA	93063	48996
PAID	NORTHERN OLDENBURG	DON ED	(805) 523-1018 (805) 497-7463	3977 WILLOWCREEK Ln. 951 WARWICK AVE. #A2	MOORPARK THOUSAND OAKS	CA CA	93021 91360	28279 106776
	PERSON RAKE	DAVID GARY	(805) 373-8797 (805) 498-2613	843 DORCHESTER ST. 947 DRIFTWOOD CIRCLE	THOUSAND OAKS NEWBURY PARK	CA CA	91360 91320	398962 437635
PAID	RATNER REAGAN	MICHAEL MIKE	(818) 760-2770 (805) 529-5513	4332 COLDWATER CYN. 14705 LOYOLA ST.	STUDIO CITY MOORPARK	CA CA	91604 90321	1227 93756
PAID	ST. LAWRENCE	DON	(805) 497-9681	207 SOMERSET CIRCLE	THOUSAND OAKS	CA	91360	409441
PAID - WON	STERN	MICHAEL	(805) 492-8452	745 LYNNMERE DR.	THOUSAND OAKS	CA	91360	131478
PAID	SUTTON SWET	ROBERT & BOB JR. BOB	(805) 498-4342 (805) 388-9619	3415 CRESTWOOD CT. 2600 PONDEROSA DR. APT. 15	NEWBURY PARK CAMARILLO	CA CA	91320 93010	81773 83283
Resigned	VAN HAMERSVELD	JOHN	(805) 492-5904	2826 N MARIETTA CIRCLE	THOUSAND OAKS	CA	91360	136313
PAID	VANNETT	DANE	(805) 494-4520	689 MC CLOUD AVENUE APT #202	THOUSAND OAKS	CA	91360	433610
	WALANCE WARREN	BOB JIM	(805) 499-4635 (805) 494-3031	142 DEWEY AVE. 1694 EL DORADO	NEWBURY PARK THOUSAND OAKS	CA CA	91320 91362	359661 404518
PAID	WEISMAN WILLIS	EDGAR and B.J. BEN	(805) 496-0611 (805) 496-7404	752 CAMINO VALLES 196 QUAILS TRAIL	THOUSAND OAKS THOUSAND OAKS	CA CA	91360 91361	67651 317876*

INSTALLING FOAM WING AND STAB JOINER TUBES

by Roger Chastain

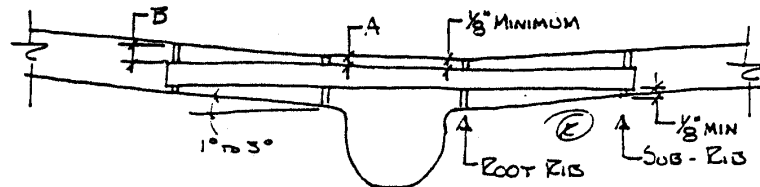
The purpose of this article is to illustrate a technique that I use to position and to drill the foam cores with the aid of a guide plate.

It is important to align the wing or stab core precisely both in plan form and in the dihedral angle you choose. The wing will usually be at a dihedral angle of between 2 and 3 deg and the stab at 0 deg.

I am going to use a root rib and a sub-rib to support the joiner tube. The root rib is a full length rib, however the sub-rib starts at about 20% cord and runs to about 70%. Make these ribs out of 3/32" plywood. A pair for each wing or stab half.

Make a drawing that is a section drawn through the fuselage and wing at the location of the joiner tube as shown in Figure 1.

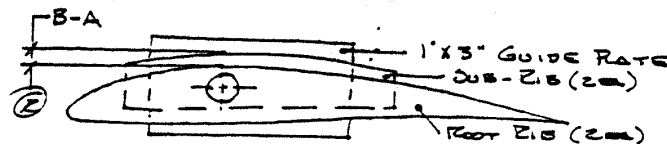
Figure 1



Notice how the holes for the joiner tubes to be drilled in the ribs are not located in the centers of the ribs, but are located instead toward the top of the root rib and toward the bottom of the sub-rib.

A note on the size of the joiner tubes. Make them as large as possible! Use 3/8" diameter "drill rod", heat treated to a Rockwell 52 hardness. [Editor's Note: I will include in a future issue an article from the South Bay SS newsletter which provides some insight and detail relative to Roger's recommendation.] Use this on all of your ships. Greater zoom height will more than compensate for the extra weight you will be carrying around.

Figure 2



Subtract dimension "A" from dimension "B" in Figure 1. Bond the two root ribs, the two sub-ribs and a 1" x 3" x 1/8" ply "guide plate" together with 3M 77 Spray adhesive. Offset the root ribs and the sub-ribs by the amount B minus A. Center the guide plate. Drill a hole the diameter of the joiner tubes.

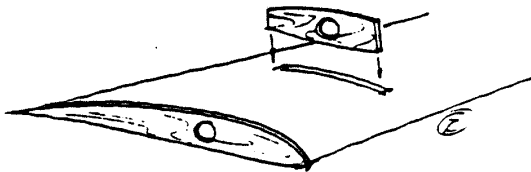


Figure 3

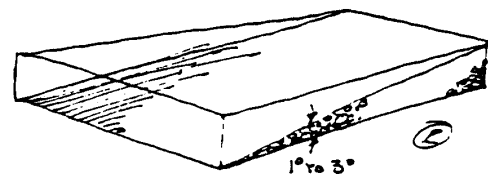


Figure 4

You are now ready to drill the foam cores. First, outline the location of the sub-rib with a felt marker pen. Remove a slice of foam all the way through the wing.

Use UFO/ca to glue the root rib to the wing core. Do not glue the sub-rib at this time. Cut foam blocks that have the section angles to match the dihedral of the wing.

FROM PASADENA SOARING SOCIETY

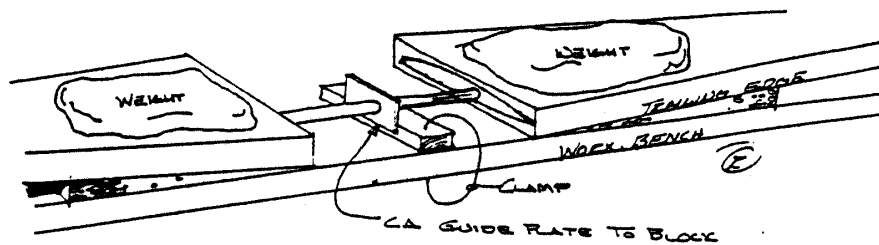


Figure 5

Bond the foam wedge to the bottom of the wing saddle blocks (the foam blocks from which the wing cores were cut). Now proceed with the list of instructions below.

1. Sharpen both ends of a 12" length of brass joiner tube.
2. Slide the "guide plate" onto the tube.
3. Insert each end of the tube into the drilled hole of the root ribs.
4. Line up the trailing edge of the wing along the edge of the work bench.
5. Position the "guide plate" halfway between the root ribs. CA a block of wood to the work bench.
6. Starting with the left wing, twist drill the brass tube into the foam. Drill for about 1". Cut through the foam at the end of the tube with an Xacto knife. This will allow the 1" foam slug to be removed by retracting the brass tube. Slide the right wing out of the way in order to do this. Continue this process until the hole is drilled about 1/8" beyond the sub-rib.
7. Position the sub-rib into the slot. It should line up with the joiner tube.
8. Cut a 6" length of brass joiner tubing. Roughen it with 80-grit sandpaper and seal one end with a 1/16" disk of balsa and CA.
9. Assemble the tube and sub-rib into the wing. Be sure that the sealed end is inside the wing!
10. Repeat the above procedure for the right wing.

Trim the foam (1/8" x 1/8" x 45 deg) from along the full length of the root rib and the sub-rib (Figure 6). Seal the bottom of the wing with masking tape. Mix a thin slurry of epoxy and micro-balloons. Make this a thin mixture so that it will flow into the slot around the ribs and fill the void.

The first application of slurry will sink below the surface as it cures. Make several applications to ensure that there is a bead of cured epoxy above the foam surface. This bead will be sanded flush with the wing surface and will provide a large "footprint" that is bonded to the wing skin. This is necessary to properly transfer the flight loads through the wing structure.

Turn the wing over and repeat the above.

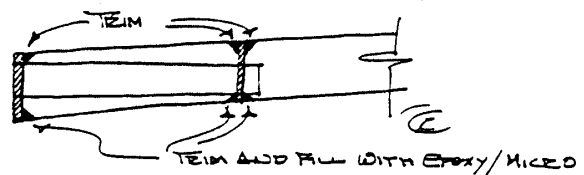


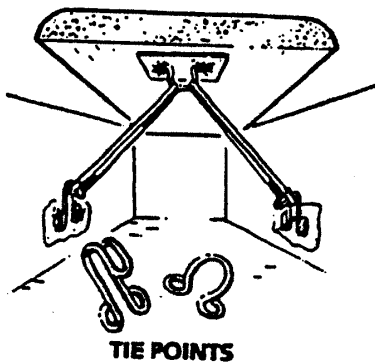
Figure 6

Tips on Technique

From the Sewing Box...

Dress hooks and eyes from the sewing box have applications in modeling and are neater than homemade. Sewed to 1/32 inch plywood and epoxied to the fuselage sides, they serve to hold down rubber-banded hatches and receiver packs, for instance.

from The Flyer
Edmonson County RC Flyers
PO Box 160
Brownsville, KY 42210



Scratch 'N Dent Repair

Here is an old hint that you might find beneficial while building a plane. At times it becomes necessary to bend balsa wood to fit a contour. A good method to accomplish this is to spray the surface of the wood with Windex, or you can make your own solution. Use 1/3 ammonia and 2/3 water.

Wet the surface of the wood to be formed, then slowly form the balsa to shape and let it dry. Take it easy so as to give the wood time to bend. The ammonia breaks down the wood structure temporarily then dries to its new shape.

Mix rubbing alcohol with the solution you have left over and you have a good cleaning agent for cleaning your plane after flying.

Catalina R/C Modelers
Ted Gates: Editor
PO Box 35611
Tucson, AZ 85740-5611

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10/92

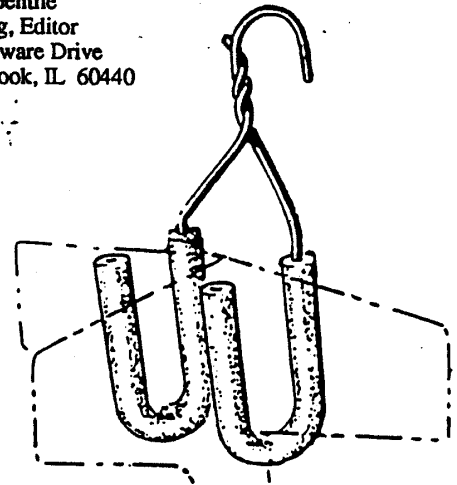
Installing Monokote Lettering

Some people have trouble putting numbers and letters cut from Monokote on Monokote covered wing panels and other surfaces. The old system of using Windex or Glass wax works very well if it is done right. I use Glass wax.

After the masking tape is laid on the wing to mark the top of the letters and numbers, the letters and numbers are cut from the Monokote leaving the backing in place. Now lay all the numbers on the wing panel butted up against the masking tape and spaced about one half inch apart. Next, pick up the first letter and remove the backing, spray only the area where the number or letter will go, and lay the number (or letter) back where you first laid it out and using a face tissue wipe the letter or number dry. Do the same for all the rest.

Let the panel dry for at least twenty four hours, after that time you should find the letters and numbers seem to be glued to the panel but don't let that fool you, go over each letter and number with your seating iron at normal or tacking heat.

from Woodland Aero Modelers
by Bob Gentile
Ken Long, Editor
205 Delaware Drive
Bolingbrook, IL 60440



The Model Hanger

Hang up those models! A wire coat hanger bent to hook around the stabilizer, close to the fuselage is just fine. Try rubber tubing from an auto parts store to protect the leading edge.

from Indy Sportliners RC Club
George Kite, Editor
256 North Rural Street
Indianapolis, IN 46201