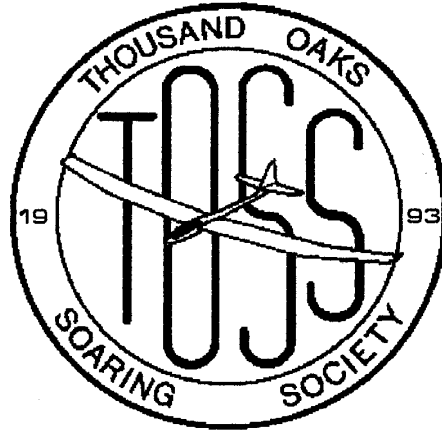


TOSS-UP



NEWSLETTER

MAY 1993 14705 LOYOLA STREET MOORPARK, CA 93021

A.M.A. CHARTERED CLUB #1493

PUBLISHER: LARRY JIMENEZ 1943 CHANNEL DR. VENTURA, CA. 93001

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Mike Reagan (805) 529-5513
14705 Loyola Street Moorpark, CA. 93021

VICE PRESIDENT:

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752 Camino Valles Thousand Oaks, CA. 91360

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844 Charles Street Moorpark. CA. 93021

PUBLISHER:

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1943 Channel Dr. Ventura, CA. 93001

CLUB WINCHES:

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

NEXT CLUB CONTEST:

DATE:	June 12th., 1993
PLACE:	Paramount Ranch
TIME:	9:00 a.m.
C/D:	Art McNamee

NEXT CLUB MEETNG:

DATE:	May 26th., 1993
DAY:	Wednesday
PLACE:	Cameron Center
TIME:	8:00p.m.

TOSS TALK

F.Y.I.

The main topic of the April meeting was a major discussion involving TOSS helping the Smith Hill bunch save their flying site. This topic of discussion would take up a whole page by itself, so come to the meeting this month and we will fill you in.

Deadline for newsletter is the 15th. of each month.

Welcome to new member Lex Mierop.

Last months contests winners were:
1st. place open Don McNamee
1st. place 2M Edgar Weisman

I finally flew my Super Ridge Runt slope plane and to my surprise it flew great! I would recommend it to anyone who needs a inexpensive good flying slope plane.

LARRY

It would appear that some club members have been waiting for one of these, so here it is.....

You Are Invited

To Attend Your TOSS Club Meeting


Wednesday , May 26 , 1993

8 p.m.

At The Cameron Center

*Please No RSVP
don't call anyone.
don't make any excuses.
and don't be late*

*No food or drink will ser-ec
from 8 to 9*



**Official 1993
U.S. F3B Soaring Team
Merchandise Order form**

YES! I'd like to support our 1993 U.S. F3B Soaring Team. Please send me the following merchandise:

**If your merchandise total (not including S/H) equals \$25 or more we'll send you a free team pint!*

Qty	Item Description	Cost	Extension
_____	Raffle Entry Ticket	\$5.00	_____
Official Team T-Shirts emblazoned on front in full color with 1993 Team Logo & USA F3B Team on sleeve. Shirts are 100% preshrunk Cotton.			
_____	Medium T-Shirt	\$15.00	_____
_____	Large T-Shirt	\$15.00	_____
_____	Extra-Large T-Shirt	\$15.00	_____
_____	XXL T-Shirt	\$15.00	_____
_____	Official U.S. Team Pin	\$3.00	_____
_____	Official U.S. Team Patch	\$5.00	_____
_____	Official U.S. Team Sticker	\$2.00	_____
		SUBTOTAL*	_____
Shipping/Handling (Add 10% of Subtotal)			_____
Donation (Optional)			_____
		GRAND TOTAL	_____

Please fill out your name and address below, and send your check or money order payable to 1993 USA F3B Soaring Team, 15781 Empire Lane, Westminster, CA 92683. Please allow two to three weeks for delivery.

NAME _____

ADDRESS _____

CITY _____ STATE _____ ZIP _____

FOR SALE

* AIRTRONICS -high start for 100" and smaller size sailplane good rubber & new line. \$25.00

* ACE Quasoar kit, new in box, kit includes fiber-glass fuse & foam core wings. Can be built 100" or 123" wing span, retails for \$129.00 will sell for \$70.00

* KATIE II slope plane kit with duralene fuse & foam core wing, 95% complete. This is a good first aileron plane. \$80.00

* SPIRIT 100 kit new in box. \$60.00

Call LARRY 652-1937

LAST	FIRST	PHONE NO	STREET	CITY	ST	ZIP	AMA #
AKERS	THOMAS	(805) 496-6655	1583 WAKEFIELD AVE	THOUSAND OAKS	CA	91360	385783
BUTKOVICH	DAVID		4848 TOCA LOMA LN.	LA CANADA	CA	91011	
BUZOLICH	NICK	(714) 854-3689	19366 SIERRA BELLO ROAD	IRVINE	CA	92715	147697
COUNCIL	BILL		3837 CORONADO CIRCLE	NEWBURY PARK	CA	91320	466415
ELLIAS	JOHN	(805) 388-5674	1961 VIA MONTECITO	CAMARILLO	CA	93012	304647
GEHAGAN	JIM	(805) 388-1130	5643 E. WILLOW VIEW DRIVE	CAMARILLO	CA	93012	143567
HARLAND	JAY	(805) 527-5685	662 WELER COURT	SIMI VALLEY	CA	93065	
HARTMAN	RICHARD	(805) 488-6136	1852 SANFORD ST	OXNARD	CA	93033	111039
HINMAN	BILL	(805) -	1195 N. MODESTO AVENUE	CAMARILLO	CA	93010	15233
HOPPLE	TIM	(805) 498-9448	163 NORTH CASTILIAN AVENUE	THOUSAND OAKS	CA	91320	333336
HSIEH	ROBERT	(805) 987-6586	694 LANTANA #10	CAMARILLO	CA	93010	474171
JIMENEZ	LARRY	(805) 652-1937	1943 CHANNEL DR.	VENTURA	CA	93001	378742
KARP	BILL	(818) 876-0602	4532 PARK MONACO	CALABASAS	CA	91302	122971
LEAL	MICHAEL	(805) 529-7535	844 CHARLES STREET	MOORPARK	CA	93021	334482
MICHITSCH	ROBERT	(818) 991-0666	6012 COLODNY DR.	AGOURA HILLS	CA	91301	222852
MIEROP	LEX	(805) 499-2256	1351 ALESSANDRO	NEWBURY PARK	CA	91320	
MORAN	MYLES	(818) 882-4687	10428 OSO AVE.	CHATSWORTH	CA	91311	18426
MORGAN	RALPH	(805) 484-7728	2120 GORMAN STREET	CAMARILLO	CA	93010	11074
McNAMEE	ART	(805) 526-6292	2645 PLACERVILLE CT.	SIMI VALLEY	CA	93063	7417
McNAMEE	DON	(805) 526-3145	2291 NORTH HIETTER	SIMI VALLEY	CA	93063	48996
NORTHERN	DON	(805) 523-1018	3977 WILLOW CREEK LANE	MOORPARK	CA	93021	28279
OLDENBURG	ED	(805) 497-7463	261 EL GALLARDO	NEWBURY PARK	CA	91320	106776
RAKE	GARY	(805) 498-2613	947 DRIFTWOOD CIRCLE	NEWBURY PARK	CA	91320	437635
REAGAN	MIKE	(805) 529-5513	14705 LOYOLA ST.	MOORPARK	CA	93021	93756
ST. LAWRENCE	DON	(805) 497-9681	207 SOMERSET CIRCLE	THOUSAND OAKS	CA	91360	409441
STERN	MICHAEL	(805) 492-8452	745 LYNNMERE DR.	THOUSAND OAKS	CA	91360	131478
SUTTON	ROBERT	(805) 498-4342	3415 CRESTWOOD CT.	NEWBURY PARK	CA	91320	81773
SWET	BOB	(805) 388-9619	2600 PONDEROSA DR. APT.15	CAMARILLO	CA	93010	83283
TRIST	PAUL JR.	(818) 545-7551	1101 MELROSE #1	GLENDALE	CA	91202	28643
VANNETT	DANE	(805) 494-4520	689 MC CLOUD AVENUE APT #202	THOUSAND OAKS	CA	91360	433610
WEISMAN	EDGAR and B.J.	(805) 496-0611	752 CAMINO VALLES	THOUSAND OAKS	CA	91360	67651

1993 (SC)² CONTEST CALENDAR

DATE	HOST
February 28	HSS (Riverside)
March 21	PSS (Pasadena)
April 25	NCC (San Marcos)
May 23	HSS (Costa Mesa)
June 27	SULA (Dominguez Hills)
July 25	TOSS (Thousand Oaks)
August 29	TPG (Torrey Pines)
September 26	SWSA (Covina)
October 24	EDSF (Long Beach)
November 21	DUST (Palm Springs)

05/09/93 OPEN CLASS STANDINGS HIGH SCORE = 2947

P NAME	CLUB	TOTAL	JAN	FEB	MAR	APR	MAY
1 MIKE REAGAN	TOSS	4830	941	1000	994	981	914
2 DON McNAMEE	TOSS	4479	655	880	1000	544	1000
3 EDGAR WEISMAN	TOSS	4420	888	979	633	928	982
4 B.J. WEISMAN	TOSS	3983	1000	986	997	1000	0
5 BOB SWET	TOSS	3032	624	816	645	547	0
6 ART McNAMEE	TOSS	2920	0	959	514	935	512
7 DON NORTHERN	TOSS	2618	799	876	0	0	943
8 JOHN ELLIAS	TOSS	2112	722	951	439	0	0
9 PAUL TRIST	TOSS	1844	0	0	0	842	902
10 MYLES MORAN	TOSS	1338	448	890	0	0	0
11 LARRY JIMENEZ	TOSS	1113	0	742	371	0	0
12 MIKE RATNER	PSS	947	0	0	0	0	947
13 RICHARD BURNS	PSS	897	0	0	0	0	897
14 BEN M	PSS	833	0	0	0	0	833
15 BILL KARP	TOSS	532	532	0	0	0	0

05/09/93 2 METER CLASS STANDINGS HIGH SCORE = 2917

P NAME	CLUB	TOTAL	JAN	FEB	MAR	APR	MAY
1 MIKE REAGAN	TOSS	4903	1000	1000	952	957	994
2 DON McNAMEE	TOSS	4727	873	930	989	555	980
3 ART McNAMEE	TOSS	2764	0	880	0	968	916
4 EDGAR WEISMAN	TOSS	1848	848	0	0	0	1000
5 PAUL TRIST	TOSS	1374	0	0	0	1000	374
6 MIKE LEAL	TOSS	1129	0	0	1000	0	129
7 BEN M	PSS	991	0	0	0	0	991
8 THOMAS AKERS	TOSS	930	0	0	0	930	0
9 MYLES MORAN	TOSS	917	0	917	0	0	0
10 RICHARD BURNS	PSS	907	0	0	0	0	907
11 LARRY JIMENEZ	TOSS	617	0	617	0	0	0
12 B.J. WEISMAN	TOSS	534	0	0	0	0	534

05/09/93 SPORTSMAN CLASS STANDINGS HIGH SCORE =

P NAME	CLUB	TOTAL	JAN	FEB	MAR	APR	MAY
1 DANE VANNETT	TOSS	1721	0	983	738	0	0
2 JIM GEHAGAN	TOSS	1447	0	881	566	0	0
3 DON ST. LAWRENCE	TOSS	543	0	0	543	0	0

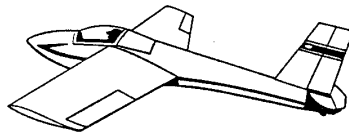
VISUAL PERCEPTION and LOST PLANES

by John McNeil

I had the opportunity to speak with an expert in the field of human visual perception today named Greg Irvin. He mentioned something of immediate use to us. It seems that most humans have what is called "open field Myopia". In layman's terms, it means that when there is nothing to focus on in your field of view, your eyes tend to relax to a near field focus.

The effect of this phenomenon is that if you stare into the sky, with nothing to see, your eyes will drift to a focal point about five feet away! This means that if you speck-out, then lose sight of your plane on a clear day, even as you are trying to reacquire it, your eyes are losing focus. After 10 to 15 seconds, you could be looking straight at the plane and see nothing, because it is out of focus! If you have lost sight of your plane, you must focus on some structured object at a large distance (such as the horizon or clouds) periodically as you search for it. The time it takes for your eyes to unfocus varies from person to person, but you can actually feel it happen if you pay attention.

Before you go for that next speck-out flight take a few minutes to experiment with your eyes and learn how best to use them, it might just save your plane. (*Reprinted from the Torrey Pines Gulls Newsletter.*)



Deadline for Comments Extended!

The deadline for comments to the FCC has been extended from February 26 to May 28, 1993.

Almost everyone by now knows how the proposed FCC restructuring, PR Docket 92-235, stands to affect our frequencies by inserting *two* new frequencies between many of those frequencies presently assigned for modeling use and commercial users. The ruling, if passed, could cost RC modelers 31 out of 50 usable frequencies.

Many AMA members have already sent letters to their Congressmen voicing their concern and urging the lawmakers to intercede on behalf of modelers. Many copies of these well written letters have been sent to AMA headquarters.

With the extended deadline, there is more time to write to your representatives in Congress, but don't put it off! Remember, the most effective approach is a personal letter, written by you, voicing your opposition to the proposed rule.

An effective argument against the proposal could be the educational aspect of model aviation. Many modelers are involved in teaching a young person how to fly or giving demonstrations to school or youth organizations. This too stands to be adversely affected should the FCC proposition be passed. Although these young people are not necessarily flyers, they still have an interest in the sport and letters from these young people stressing the educational aspects of model flying are also effective tools to use in the fight against the proposed ruling.

One of the most important concerns of any modeler is the safety and liability aspect created by the proposal. One way to indicate your concern is to stress the increased possibility of accidents as well as the virtual impossibility of detecting and preventing radio interference from the new frequencies which are designated as mobile. Help make your representative(s) aware of the possible dangers to the public by citing the size of your plane, the speeds which it attains and the proximity of the public when you are flying.

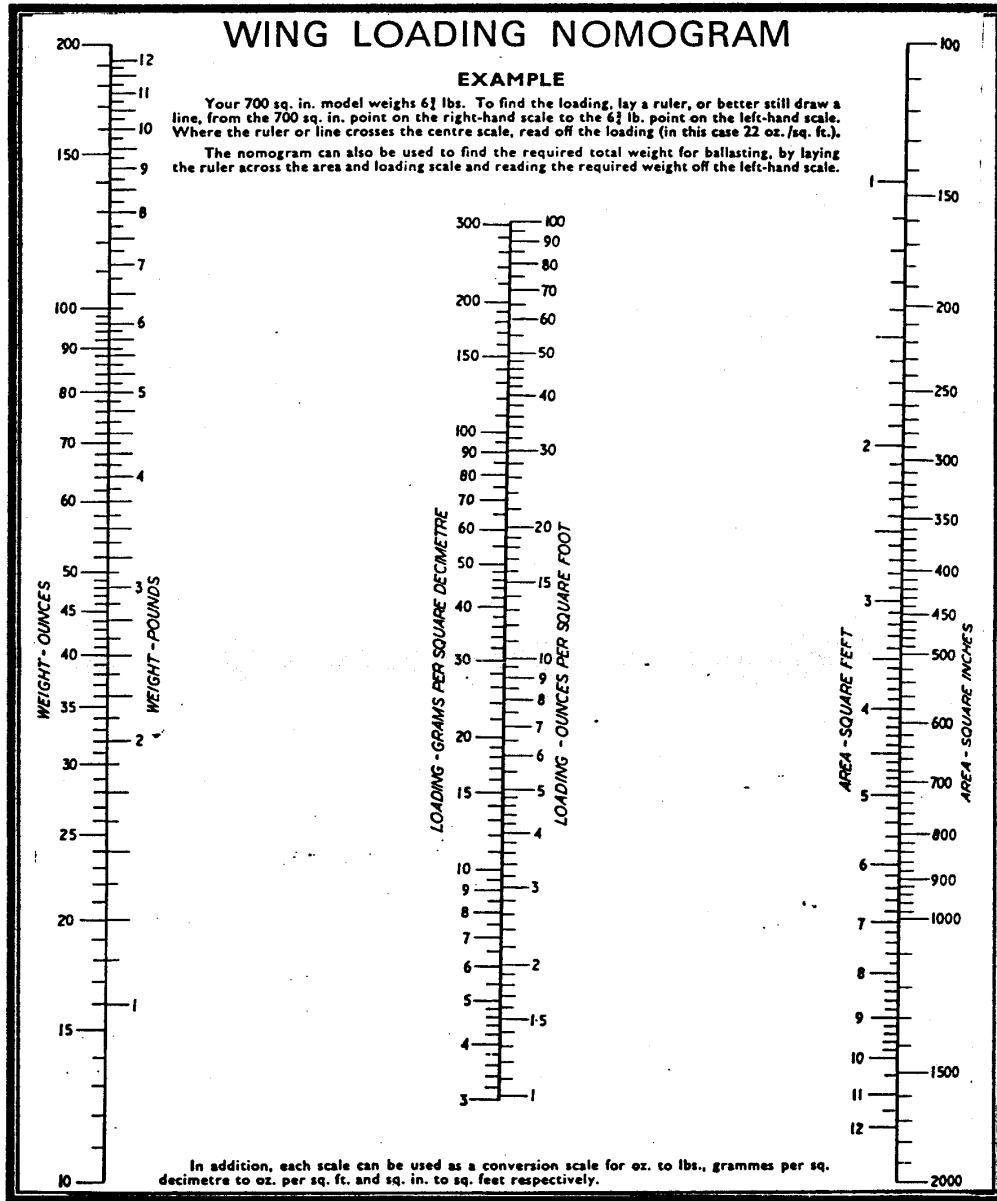
Indicate the time and money you have invested in RC modeling, as well as the hours of pleasure derived from your participation in the hobby. Mention the pieces of radio equipment that you currently have and indicate the financial loss you would sustain should these frequencies be rendered unsafe to use. If your concern is loss of business to your hobby shop, stress this by indicating the percentage of your business that comes from RC.









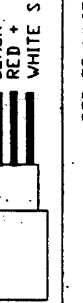





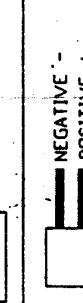
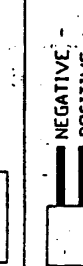


Another point to touch upon is the contribution of model aviation to the advancement and development of the commercial aviation industry. Should this measure be passed, the remaining 19 usable channels would greatly reduce the ability to learn about and study aviation on a small scale.

When writing your letters, remember to mention the name of the proposed Rule Making: Federal Communications Commission PR Docket 92-235.

SULA'S ANSWER TO THE HAND HELD CALCULATOR

THIS IS THE HOT SET UP IF YOU WANT TO FIND OUT YOUR WING LOADING IS. PUT ON YOUR SPECKS AND FOLLOW DIRECTIONS.



TYPE	NEUTRAL	TO SERVO	TO BATTERY
KRAFT "C"	1.4MSEC	 RED + X BLACK - ORANGE S	 RED + X BLACK - X
KRAFT "A"	1.9MSEC	 RED + X BLACK - YELLOW S	 RED + X BLACK - X
KRAFT KO PROPO "KB"	1.4MSEC	 RED + X BLACK - BLUE S	 RED + X BLACK - X
FUTABA "G"	1.31MSEC	 RED + X BLACK - GREY S	 RED + X BLACK - X
FUTABA "J"	1.5MSEC	 BLACK - RED + WHITE S	 BLACK - RED + X X
AIRTRONICS	1.5MSEC	 RED OR WHITE STRIPE + BLACK - BLACK S	 RED OR WHITE STRIPE + BLACK - X X
JR	1.5MSEC	 BROWN - RED + ORANGE S	 BROWN - RED + X X
HITEC/RCD WORLD-FM POLKS/ARISTO	1.5MSEC	 BLACK - RED + WHITE S	 BLACK - RED + X X
DEANS ACE	1.5MSEC	 NEGATIVE - POSITIVE + SIGNAL S	 NEGATIVE - POSITIVE + X X
		+ POSITIVE - NEGATIVE S SIGNAL X NOT USED	+ POSITIVE - NEGATIVE S SIGNAL X NOT USED

Tips on Technique

Vinyl Trim

The next time you trim an aircraft, try using 2-mil vinyl that can be found at the sign makers in all kinds of colors, including neons. You might be able to find one that will give you the scrap from their sign contracts or sell it to you at a reasonable price. Be careful however, because if you have to buy it off the roll, it can get expensive. To apply the stuff, mix up 2 cups of water, a tablespoon of liquid dishwasher detergent and a tablespoon of denatured alcohol. Cut the trim, peel the backing off, dip it into the solution and "float" the vinyl in place. You'll have plenty of time to position it. After it's in place, blot it with a lint-free cloth and squeeze out the excess fluid using a scrap piece of balsa sheeting. Let it dry or put your heat gun to it (not too close). End result is no bubbles! I've tried the vinyl over Coverite and Monokote with the same results. The stuff I'm using seems unaffected by glow-fuel. I tested it by sloshing 15% nitro over some samples last November and there is still no sign of it coming up. Be careful however, because not all products may have the same adhesive backing. Test it first.

from Midwest RC Society Monitor
Ken Myers, Editor
1911 Bradshaw Ct.
Walled Lake, MI 48390

Epoxy Hazard

by John Benson

The Health and Safety Division of the 3-M company warns that hazardous iso-cyanate vapors are formed when epoxy paint is mixed with its catalyst and can cause severe respiratory damage. The injurious vapors are absorbed through the respiratory system and may cause a build up to the point of sensitization which can produce an allergic reaction. There is no antidote for this condition and modelers are warned to use appropriate ventilation and a special paint mask manufactured by the 3-M company. The #6986 mask can be purchased from an automotive paint supplier or #8709 from a safety products outlet. They are identical masks and have special impregnated chemicals that neutralize the harmful iso-cyanate vapors. The masks should be kept in a zip lock bag and stored in a sealed coffee can when not in use to retain the protective chemicals from evaporation. The cost of the masks range from \$8 to \$12, which is cheap considering the alternatives. The use of epoxy paint for the finishing of model airplanes is very popular since it is extremely durable, fuel proof, has high gloss, fast tack and is relatively easy to use. The major disadvantages of using epoxy are that it is heavy and can increase the finished weight of a model aircraft in addition to being injurious to your health.

from Flare Out
John Benson, Editor
Twin Cities Radio Controllers
Minneapolis, MN

Magnetizing

Have you ever struggled dropping those little servo mounting screws into the servo lug holes to tighten them? This and similar jobs can be made a snap if you use a magnetized screw driver to hold these screws during positioning.

You can easily and permanently magnetize your screwdriver. Wrap between 30 and 100 turns of insulated wire around the shaft of your screwdriver. Wire can be vinyl or shellac coated and can be 18-28 gauge. Leave a comfortable length of wire on each end of this coil. Strip off an inch or two of insulation shellac from each end.

Fasten one end to one terminal of a 12 volt battery. Strike the other bare end across the other terminal of your battery. That's it. Your screwdriver is now permanently magnetized.

WARNING! This procedure causes a spark when striking across battery. Make sure that battery caps are in place and ensure that no flammable fumes are present before proceeding.

from Flight Line
Dee Simon, Editor
2601 Woodview Drive
Bensalem, PA 19020

Fiberglass Tape

From Bill Fitzgerald comes this building suggestion:

Over the years, I have been very dissatisfied with the various widths and weight of the fiberglass tape that I use to reinforce the center sections of the wing. Since the advent of the instant glues, the chore has been made easier, but it still seems like "overkill". While living in Dallas, I ran a number of tests on various materials and discovered a much better solution. You can usually find it in the hardware store in the drywall and plaster department. They sell a mesh fiberglass joint tape that works perfectly. It comes in 2" or 3 3/4" widths in rolls that are 25 to 75 feet long (in case you build a very wide wing!). The mesh has squares that are approximately 1/8" in size. Just cut to length and Zap it to the wing. Then lightly sand the edges and lightly buff the high ridges off and you're done. I've used this method on pattern ships, scale bipes, ducted fans, and fun fly ships. Even with a few violent crashes, the center section of the wing has held. There is one added bonus to this method. In some stores, they carry a self adhesive version of this tape and it works even better. After cutting it to length, just press it onto the wing and it stays put! This way it is much easier to hit it with the instant glue.

from Hemet Model Masters
Dick Smith, Editor
790 Crenshaw Drive
Hemet, CA 32543

Reprinted from AMA National newsletter

THOUSAND OAKS SOARING SOCIETY

ANNOUNCES

THE 11TH. ANNUAL GREAT RACE IN TAFT, CALIFORNIA SATURDAY
JUNE 12TH. AND SUNDAY JUNE 13TH, 1993

AMA RULES-466 F3H CROSS COUNTRY MEET-sanction
applied for. Our standard TWENTY MILE RACE. Ten miles
out and ten miles back. Total entrance fee \$12.00,
MUST MAIL ENTRANCE FEE BY JUNE 1ST, 1993.

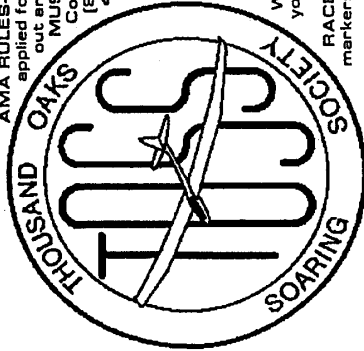
Contact Edgar Weisman, contest director at
(805)498-8878(home) or(805)
496-0611(office) mail entrance fee and frequency
request to P.O. BOX 3921 Thousand Oaks, CA.
91360. Sign in starts at 9:30 a.m. JUNE
12, 1993. Contest starts at 10:00 a.m. Flights from
10:00 a.m. to 4:00 p.m. Saturday and from 10:00
a.m. to 3:00 p.m. Sunday. Fastest time to
complete the course, NO landing points, wins on
Saturday and same for Sunday. Fastest time for
the weekend is the overall winner.

WINCHES: TOSS will provide one winch. I suggest
you bring your own, which you can use.

RACE ROUTE:Laid out over paved roads with one mile
markers and a sight ring at each end of the course.

SITE: Gardner Field Road about 4 miles west of route 119 at Taft, CA.

DIRECTIONS: From Route Interstate 5 go East on 119 and turn left on Gardner Field
Road. Or turn off Interstate 5 on 166, and go East until Route 119. Then turn North on
119 and go to Gardner Field Road, then turn right.

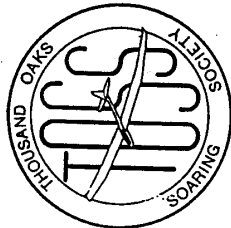


CONTEST APPLICATION

NAME _____
ADDRESS _____
CITY _____ ZIP _____
PHONE# _____ WORK# _____
AMA NUMBER _____
FREQUENCY REQUESTED 1ST. ___ 2ND. ___ 3RD. ___ CHOICE
TEAMS RESERVED _____
MONEY ENCLOSED, \$12.00 per team _____

MAIL TO: Edgar Weisman
P.O. BOX 3921
Thousand Oaks, CA 91360 (DEADLINE JUNE 1ST, 1993)

PUBLISHER ASSUMES NO RESPONSIBILITY FOR YOU GETTING LOST



SOUTHERN CALIFORNIA SOARING CLUBS RESULTS OF NCC (SC) 12 CONTEST OF 04/25/93 CONTEST DIRECTOR - KEN RAYMOND

FLAC NAME	CLUB	CLASS	SCORE	NORMAL	TROPHY
1 EDBERG, DON	HSS	EXPERT	2990.0	1000.0	E - 1
2 WURTS, JUE	PSS	EXPERT	2979.0	999.7	E - 2
3 PERKINS, DARYL	PSS	EXPERT	2962.0	994.0	E - 3
4 MARKLE, JIM	EDSF	EXPERT	2950.0	989.9	E - 4
5 VALDES, AARON	TPG	EXPERT	2948.0	989.3	E - 5
6 TILLMAN, NORM	NCC	EXPERT	2947.0	988.9	
7 WARNER, GARTH	NCC	EXPERT	2946.0	988.6	
8 JOY, GEORGE	TPG	EXPERT	2945.0	988.3	
9 CONDON, STEPHEN	TPG	EXPERT	2918.0	979.2	
10 SAGE, FRED	TPG	EXPERT	2916.0	978.5	
11 REAGAN, MIKE	TOSS	EXPERT	2915.0	978.2	
12 SLIFF, BOB	HSS	EXPERT	2885.0	969.1	
13 RODRIGUEZ, JOE	ISS	EXPERT	2864.0	961.1	
14 CONDON, SCOTT	TPG	SPORTSMAN	2851.0	956.7	S - 1
15 SKINNER, JIM	EDSF	EXPERT	2834.0	951.0	
16 LEVDE, MARK	PSS	EXPERT	2822.0	947.0	
17 BAGGERLY, GREG	ISS	SPORTSMAN	2819.0	946.0	S - 2
18 GATTI, MARK	PSS	EXPERT	2819.0	946.0	
19 MARKIEWICZ, ARTHUR	TPG	EXPERT	2815.0	944.6	
20 POPE, BOB	XX	SPORTSMAN	2791.0	936.6	S - 3
21 GIBBS, DUANE	XX	SPORTSMAN	2764.0	927.5	
22 SADORF, STAN	ISS	EXPERT	2759.0	925.8	
23 RAYMOND, KEN	NCC	EXPERT	2720.0	912.8	
24 SWET, BOB	TOSS	EXPERT	2718.0	912.1	
25 MORTON, RICHARD	TPG	EXPERT	2699.0	905.7	
26 WEISMAN, B J	TOSS	SPORTSMAN	2680.0	899.3	
27 DUNCAN, BILL	EDSF	SPORTSMAN	2652.0	889.9	
28 DOUGLAS, IAN	SMSA	EXPERT	2634.0	883.9	
29 AGUIRRE, MIKE	HSS	SPORTSMAN	2610.0	875.8	
30 ZINK, DON	NONE	EXPERT	2597.0	871.5	
31 THOMAS, ROSS	HSS	EXPERT	2581.0	866.1	
32 PARSONS, JIM	XX	SPORTSMAN	2566.0	861.1	
33 WEISMAN, EDGAR	TOSS	EXPERT	2541.0	852.7	
34 DOIG, AL	NCC	EXPERT	2525.0	847.3	
35 VAN GUNDY, SUE	TPG	SPORTSMAN	2520.0	845.6	
36 FINKENBER, KEITH	NCC	EXPERT	2507.0	841.3	
37 LACKEY, ROGER	HSS	EXPERT	2487.0	834.6	
38 SPITZER, GEORGE	PSS	EXPERT	2476.0	830.9	
39 SWANSON, NORM	TPG	SPORTSMAN	2464.0	826.8	
40 BLEDSLOE, RICHARD	TPG	EXPERT	2428.0	814.8	
41 SCHACK, RON	TPG	SPORTSMAN	2420.0	813.1	
42 WAGER, MARVIN	TPG	SPORTSMAN	2397.0	804.4	
43 TAL, MANNIT	HSS	EXPERT	2377.0	797.7	
44 RICHARDSON, PETE	HSS	EXPERT	2374.0	796.6	
45 STAFFORD, IRV	NCC	EXPERT	2368.0	794.6	
46 DEAN, THOMAS	NCC	SPORTSMAN	2356.0	790.6	
47 VINCENT, TOM	HSS	SPORTSMAN	2334.0	783.2	
48 LUGO, BRENDAN	NCC	SPORTSMAN	2330.0	781.9	
49 NEHRING, CURT	HSS	SPORTSMAN	2324.0	779.9	
50 VAN GUNDY, DON	TPG	EXPERT	2293.0	769.5	
51 CRON, AL	HSS	EXPERT	2278.0	754.4	
52 CHASTELER, FRANK	HSS	EXPERT	2259.0	758.1	
53 HALLFORD, PHILLIP	PSS	EXPERT	2229.0	748.0	
54 KINGSEBURY, TODD	NCC	EXPERT	2229.0	748.0	
55 FAULKENHAM, RON	ISS	EXPERT	2223.0	746.0	
56 AKERS, THOMAS	TOSS	EXPERT	2219.0	744.6	
57 THACKER, BOB	NONE	EXPERT	2211.0	741.9	
58 SMITH, STEVE	LVSC	SPORTSMAN	2207.0	740.6	