

"The Most Fun I've Had In A Long
Time!"
by Curt Nehring

Sunny blue skies, puffy clouds, and light breezes marked the start of the Second Tri-Cities Challenge, a fun-fly competition featuring thermal flyers from SULA (Soaring Union of Los Angeles), EDSF (El Dorado Silent Flyers), and this year's host club, the Harbor Soaring Society. This event developed into a dual meet as SULA was a total no-show, neglecting to send <u>any</u> representatives. SULA claimed that they weren't informed, although the meet had been highly publicized for several months!

Blessed with genuine ten minute air, the first round, two minute dead-reckoning, went off without a hitch. To keep time I sang a short tune to myself, and other fliers practiced various techniques similar to Roger Lackey's famous "metronome." I'm not sure what Bob Sliff used, but his score read 1:59.58!

The second round was a tad tougher since it was the timer's responsibility to advise the pilot while the pilot kept his back to the airplane. Polyhedral sailplanes seemed to dominate this task although both

MEETING LOCATION

Lakes at Seabridge Condos. On Adams Ave. in Huntington Beach. Turn right at the first traffic light heading East from Beach Boulevard. You will need to check in at the gate. Tell the guard you are there for the HSS meeting. If there are any problems, call 969-1524

Norm Kutch and Manny Tau took a pretty decent shot at it with straight-winged full-house ships.

Although unannounced until the pilots' meeting, the last event would prove to be the most challenging and entertaining of the day. The task seemed too easy - the "top guns" were almost cocky! The requirement: land in a dry, inflated children's wading pool. Right! Spectators gathered semi-circle around the target as pilot after pilot gave their best shots, which usually meant they missed! Gordon Ritschke, Sean Monahan, and Roger Lackey

H.S.S. BOARD MEMBERS

President: Andy Sanders	(714) 751-9235
Vice President: Pat Scheer	(714) 744-3375
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Contest Coord: Curt Nehring	(714) 592-2105
General Dir: Ross Thomas	(714) 638-0705
Newsletter Ed: Pete Young	(714) 892-3473

The Harbor Soaring Society newsletter is published monthly. Editorial comments and articles are welcomed. Please provide all material for consideration by the 15th. of the month prior to publication. Wordprocessed material is appreciated (any major IBM compatible disk format and program). Handwritten material must be clear and legible. The editor reserves the right to edit all material. Submissions should be made to Pete Young in person or by mail to: 6592 Belgrave Ave., Garden Grove, CA 92645.

nailed it - congrats! This event was marked by chanting and loud, boisterous commentaries by numerous self-appointed line judges and an occasional bleacher type "wave".

But it was the impromptu 4th round's cash prize that inspired Bob "Slam Dunk" Sliff to plop his well-campaigned 3M Gnome dead center for the big bucks - about \$20!

In the final results, Harbor topped the team totals, with EDSF putting up a gallant effort to finish 2nd. SULA, by virtue of their non-attendance and subsequent zilcho scores, wins the infamous toilet seat, by default!

The festivities were followed by pizza and refreshments at a local pizza parlor. A great time was had by all!

At a subsequent SC2 tournament, Ross Thomas awarded the coveted Tri-Cities toilet seat to the lone SULA-ite present who reluctantly agreed to deliver the infamous trophy to his club.

I want to thank everyone from HSS and EDSF who participated, and of course to Mike Aguirre for his capable leadership and imagination as the CD.

APRIL MEETING MINUTES

The meeting started at 7:45PM with Andy Sanders presiding. Robin Theron was introduced by George Siposs; Robin has a 2M Gnome which he hopes to fly with the club.

Frank Chasteler gave the treasurer's report which was accepted as written. Frank also passed out the club's 1993 membership rosters.

Nick Buzolich said that anyone interested in the past two year's of RCSD magazine can check out copies from him at the meeting, or at the flying field.

Ross Thomas talked about the upcoming Astro Flight contest which HSS is hosting Memorial Day weekend. He urged the club members to come out and help

out. The club is also hosting the SC2 tournament May 23, and club help needed due to the expected heavy turnou. A raffle will be held for the club members helping out.

Roger Lackey gave an update on the club hats. They will be blue corduroy with the club logo on the front. A motion was approved to authorize purchase of the hats.

Dave Nemecek talked about the frequency problems and the political point of view, as opposed to the RC pilots' views, and the differences between the two. Ross commented on the frequency issue as to its origins, and the politicians need to hear from the RC community.

The meeting closed at 8:15. The guest speaker, Tim Renaud of Airtronics, was introduced by Andy Sanders. Tim gave a brief rundown on the frequency issue and how it is being handled by the RC industry.

Airtronics is now in partnership with Flite Lite to market composite glider kits. The kits will be very complete with to hooks, bellcranks, strong wing rods, and pre-routed servo wiring channels. Wings and stabs will be presheeted with obechi, and the kits will be produced to the same high standards as the rest of the Airtronics line.

The Legend will soon be offered with a pre-sheeted foam wing, and a wing and stab kit will be available for conversion of built-up Legends. The new foam wing will weigh about the same as the built-up version.

Some of the new Airtronics gliders and products were displayed by Tim.

Woody Grosvenor, Secretary

... OOPS, significant typo in last month's HSS Newsletter: the 19th Astro Champs will be held <u>29-30</u> May, Memorial Day weekend, not on the dates printed last month ...new planes at the field: Mike Aguirre's Agnew Banshee 2M, Norm Kutch and Nick Buzolich's 2M Tekoa Shadows, Don Zink's Levoe-designed Super V... BEWARE! Parking tickets have been handed out at the field for parking at the curb, blocking the school's fire lanes!...CONGRATS to Steve Hendry for finishing an superb 2nd under tough flying conditions at Pasadena's March SC2 tournament... Steve clocked over ten minutes in a "man to man, last flier down wins" flyoff with his RG-15 composite original...anyone needing customized Intermediate-level flight instruction, contact Ross Thomas... For an excellent two part series on vacuum bagging composite wings, refer to Flying Models magazine, February and March 1993 issues; written with Roger Chastain's assistance, this series should be mandatory reading for anyone even thinking about building composite wings!



FOR SALE

- Harbor Soaring Society shirts and vinyl patches - contact Frank Chasteler at (714) 545-2185
- Vision 8SP installed into LJMP Cheetah with flaps, ailerons, new 600 mah RX pack, complete, ready to fly, \$625 OBO; Sealy Pulsar, 95% constructed, wings covered, fuselage ready to paint, \$250. Call Rich at 714 528-4984.
- Falcon 800, like new condition, with integral wiring harness and carbon fiber skegs, \$350, call Ben at (714) 721-8848.
- Weston WACO Magic, 100% ready to fly, 6 servos, JR X347 radio system, \$700. Bob Sealy Javelin flying wing, ready to fly less equipment, \$40. Call Carl at (714) 537-8180.
- VOR-2500, 100" Italian sailplane, ready to fly. Includes two wing sets. \$80. Call George at 540-5452 (h).
- 2M (78" span) Sealy Lumina, glass fuse, T-tail, NEW polyhedral wing with flaps. Buyer needs to cut out flaps and cover wing. Price includes a wing bag. \$125 firm. LJMP Cheetah, ready to fly, less RX, includes wing bag, \$265. Gnome 2M ready to fly, less RX, includes wing bag, \$100. Gnome HLG, less radio, ready to fly, \$50. LJMP Pantera ready to fly, less RX, includes wing bag, \$175. 2 Airtronics Vanguard radio systems, less servos, includes TX bag, channels 28 and 56, each \$125. NEW, never used: 5/16" wing rod, 8 3/4" long. Contact Curt @ (714) 592-2105.
- Sealy Laser kit new-in-box. For price, call Mike at (310) 439-4173
- Modified Kincaid Scooter, with Airtronics Module 7SP radio system, completely ready to fly, excellent condition, \$600. Call Ed Hawley at (714) 821-8768.

HSS APRIL MONTHLY

Although the weather conditions were persistently gusty, flying conditions for the HSS April Monthly were excellent when thermal activity moved through. Throughout the morning, hundreds of thermalling birds passed overhead in giant thermals, an unusual and inspring sight. Of course, giant thermals are followed by giant sink, as many fliers found out to their chagrin.

CD Bob Sliff ran a tight and challenging format for the conditions. The first round was a three minute precision, the second and third rounds were four or 7 minute precision - pilot's choice. The gusty conditions made precision landings tough, and trying to make decent flight times in sinking air was, well, extremely challenging.

When the flying ceased, Roger Lackey and Tom Vincent took first and third in Two Meter with Falcon 600s, with Larry White taking second with his Mesa Flier. Tom Vincent used his Falcon 880 to win Sportsman and moves to Advanced good showing Tom! Duane Gibbs topped Advanced with his Falcon 880, followed by Mike Aguirre and his Tekoa Shadow. Don Edberg won Expert with his Modi, with Roger Lackey and Ben Clerx close behind with their original Mako's.

Thanks to Dick Pantzar for mowing the field, to Maxine Thomas for scoring, and to the many club members who helped out. Don't forget: in May, the May 16th Monthly is for 2 Meter only, and Open fliers should fly at the May 23rd SC2 tournament to have their scores count in the yearly totals - details can be found on page 11. All club members are encouraged to support the May 23rd SC2 tournament which HSS is hosting - come out, help out, and fly!

ALTERNATE PROGRAM IN VISION RADIO - Sang North

Here is something I would like to share with Vision radio owners which I found out accidently. Since this was the first time for me to own a computer radio, I played with it with great interest — a few nights of staying up till the wee hours, experimenting with all the possible options in the menu. My finding relates to the "alternate program" and access level zero. My finding does not concern anyone who does not use the alternate program. The alternate program is a program mode that you can switch to during flight either to experiment with different flying configurations or just simply to change your flying characteristics depending on varying flying conditions, with out having to bring your plane down and reentering the data.

So, after you are finally satisfied with your main and alternate programs, you would want to set the access level to zero to protect your programs from accidental change. According to the manual, zero access level allows no setting in the program to be changed. What I found out is that under the main program this is true, but under the alternate program, zero access level protects Main and Basic but DOES NOT PROTECT Surface, Mixing and Preset. In other words, if you flipped your alternate switch to the alternate mode and set access level to zero, you would assume all surface, mixing and preset data in your alternate are safe-guarded and that accordingly you could press any buttons to go to different windows in the menu without worrying shout changing the data. In fact, you could accidently incredecrease values by pressing the wrong keys. At the least this could be trouble, if not disaster for a novice Vision user like me especially since I tried to utilize the alternate mode during flight to help set up my initial main program.

Note that when alternate and main programs are identical (same aircraft number or name — version 3.0), then the zero access level will protect all data under ALTERNATE. Of course, in this case you don't have an alternate program because main and alternate are the same.

I talked to one of the Vision radio program designers on this matter. He was not aware of it and his answer the next day, after some checking, was that's the way it was designed. If your radio functions differently from what I have described above, I would appreciate your comments.

from <u>CASA Comments</u>, the newsletter of the Capital Area Soaring Association, Gus Peleuses, Editor

AIRTRONICS JOINS WITH FLITE LITE

by Tim Renaud

Airtronics is proud to make an announcement that will have an exciting impact on every R/C soaring and electric enthusiast. Airtronics will be selling high performance sailplanes and electric aircraft by Flite Lite Composites. The combination of Airtronics' tradition of quality and engineering with Flite Lite's industry-leading technology is exactly what members of the soaring community have been seeking for the last several years.

Obviously, a major shift like this one cannot happen overnight. It will take some time for the Airtronics touch to be applied to the Flite Lite kits. In March, Airtronics will begin answering customer requests for product information and booking advance orders for kits. Kits will not be available for shipment until April 15, so please be patient. The improvements being made to an already good kit line will make it worth the wait.

Each kit will include an epoxy fiberglass fuselage that will impress you with its quality and light weight. A unique wet seaming process eliminates the joining tape usually found in fiberglass fuselages and results in a lighter and stronger fuse. Some fuselages will add kevlar or carbon fiber reinforcements for greater strength with minimal weight gain.

Complementing the fuselage will be a set of <u>pre-sheeted</u> obechi foam wings and stabs. That's right, the obechi veneer will be epoxied to the white foam cores at the factory. Spars, root ribs and joiner tubes will be also installed before shipment. Wings will include carbon fiber reinforcement for straight trailing edges, and glass or carbon fiber cloth where required for strength and durability. As a finishing touch the servo pockets and aileron and

flap hinge lines are machine routed to further reduce building time.

Rounding out the package will be all necessary hardware for the plane, including control cables and linkages, hinging tape, wing and stab joiners and custom control horns. Detailed plans and comprehensive written instructions will answer questions regarding assembly, radio installation, electric motor and batery combinations, and setting the plane up for flight.

You'll find a complete listing of the kits which will be available below. You can order any of these premium quality kits directly from Airtronics Specialty Division, or your dealer can order one for you from ASD. All product inquiries and orders will be handled by Airtronics so Flite Lite can concentrate on producing airplanes in their brand new custom built manufacturing facility. We accept Visa or Mastercard, or you can have your order sent COD at a slight additional cost. We're excited about providing you with the finest in electric and soaring performance!

The following kits will be available from Airtronics in mid-April. Please call (800) 621-3072 to place an order or obtain further information.

Falcon 880 63 oz.	112" \$329.95	S3021-3014
Falcon 800 62 oz.	100" \$314.95	S3021-3014
Falcon 600 42 oz.	78" \$249.95	\$3021
Thermal Eagl 65 oz.	e 118" \$399.95	RG-15
Falcon 550E 40 oz.	80" \$249.95	E-387

THE MAKO!

The Mako is a competition sailplane designed for precision duration and F3J thermal contests, and which retains the crisp handling characteristics of an F3B sailplane. This is the fourth version of a design which dates back to 1987. Construction of the third version, the Dazzle, was too complex for most builders (glass bagged with a \$90 carbon fiber spar system) and needed to be simplified. The Mako's construction is similar to other competition sailplanes and is intended for the advanced to expert builder and pilot.

The primary design criteria was to easily "max" thermal duration requirements and cover plenty of ground searching for lift. Handling should be responsive and aerobatic - not only to fight off boredom after "skying out" but to improve all-important landing scores.

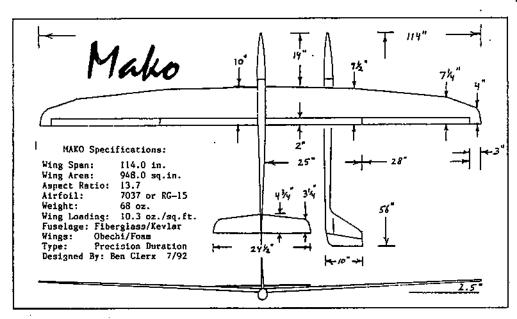
The flat wing with a triple tapered leading edge has no tipstall tendencies and tracks as if on rails during final approaches, particularly in gusty winds. Although polyhedral tips or winglets make an aileron equipped plane more stable and easier to they add drag and reduce maneuverability. Advanced pilots don't need these "training wheels"! The lack of bent-up tips made it possible to increase aileron area, roll response, and landing accuracy - couple the flaps to ailerons via computer radio for great aerobatics!

Two airfoils are available for the Mako. The SD7037 airfoil with a 10-11 oz/sq wing loading produces outstanding flight performance in the lightest lift conditions.

The RG15 airfoil, once thought of as suitable only for F3B, thermals quite well at lower wing loadings using camber control, and has an excellent speed range. I think the choice of the SD7037 or the RG15 airfoils covers two of the best airfoils available for thermal soaring.

With a fiberglass fuselage and obechi over wing cores, construction straightforward and typical of current hightech sailplanes, but no high tech tools are required. The obechi can be applied by stacking on weights and pressing between the core beds, or by using a vacuum bagging system. Four wing mounted servos operate flaps and ailerons, and two fuselage mounted servos operate the rudder and horizontal stab from within a slip-on nose cone. The two piece wing, incorporating a builtup spar reinforced with kevlar ar. carbon fiber, is joined with a hardened steel rod. Foam core full flying stabs sheeted with balsa or obechi and a builtup rudder round out the Mako's construction.

Several prototype semi-kits have been produced, available June 1993. The semi-kits include a fiberglass fuselage, wing and stab foam cores, hardware, kevlar, and carbon fiber. Introductory price will be \$185, plus shipping.



Ben Clerx 39 Seabrook Cove Newport Beach, CA 92660

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HARBOR SOARING SOCIETY CONTEST 2300. (SC)²

1993

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8:00 AM δ 9:00 AM PHOTS MEETING: 8:45 FIRST FLIGHT: SIGN IN:

ROSS THUMAS (714) 638-0705 (714) 721-8648 CONTEST DIRECTORS BEN CLERK

ROUNDS OF FLYING --- CONTESTANT PLYS EITHER "A" OR "8" PILOTS OFTION. \$6.00 ENTRY FEE:

BUT MUST PLY ONE OF EACH.

LANDING 3 POINTS/SECOND OFF OF TIME. MINUTE FLIGHT AT 700 POINTS. 300 points. AT ÷

LANDING TIME. 2 POINTS/SECOND OFF OF "B" 7 MINUTE FLIGHT AT 900 POINTS. AT 100 POINTS.

LANDINGS WILL BE STANDARD 25 FEBT CIRCLE

LANDING SURFACE IS NOWED WEEDS. WINCHES ARE ALL 12 VOLT. LINE LENGTH IS 650 FEET. RULES: APPLY ALL (SC)2

3. THERE WILL BE A WORKERS! RAFFLE FOR HSS MEMBERS WHO WORK THE CONTEST TO ACCUMULATE OPEN SCORES FOR MAY. THE 16 MAY MONTHLY IS FOR LANDING JUDGES, WINCHMASTERS, ETC. PI.EASE TURN OUT TO HELP THE CLUB! 2. HSS CLUB MEMBERS ARE NEEDED TO PROVIDE HELP DURING THE CONTEST: 1. HSS FLIERS MUST FLY IN THIS

FOR HSS CONTEST!

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MX 4 AM W/3 507 SERVOS \$119.95	VG8DR VANGUARD FM 6 CH W/4 1026 . \$319.95
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If you have any special requests, call for my best quote

Cerritos College Center for Composites in cooperation with Superior Aircraft Materials

CERRITOS

Saturday May 22, 1993

As Modelers Symposium

MIKE TAIB!

ROGER CHASTAIN

Feather / Cut 8:30 a.m. - 9:45 a.m.

Presentation Qutline:

FOAM BASICS: Urethane Foam

JOE WURTS World Soaring Champion 10 a.m. - 12 p.m.

Superior Aircraft Materials 8 a.m. • 8:30 a.m.

Presentation Quiline:

BALSAWOOD:

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Commercial uses

*4LSAWOOD DENSITY: () wat is the difference y is il important

BALSAWOOD GRAIN:

What is 'A' 'B' 'C' grain Where do you use them How can you benefit PROCESSING BALSAWOOD: Equipment used special Blades stading process ie cutting

Cutting Straight & Tapered Wings, Stabs Wood —Balsa, Obechi MING SHEETING: Card Board Fiberglass

Control surfaces, linkage OK. I HAVE A PART: raking care of it How to finish it

Bring your questions. This is your chance to consult with experts. Come be our guest. Free Admission & Parking.

 Robotics lasses taught at Cerritos College: Composites Manufacturing

Mold Making

Laser Cutting Technology

Computer Integrated

Manufacturing

 Mechanical Testing Injection Molding

CAD / CAM

i right (South) you may park in Student Parking lots C-5, C-6 C-11. The Symposium will be held in the Ptastics fake 605, exit east on Alondra Blvd. At Studebaker Rd. make DIRECTIONS TO CERRITOS COLLEGE; fechnology Building on Fatcon Way.

or more information contact:

(310) 865-3220 MIKE TAIBI

Cerritos College has provided McDonnell Douglas Corp. Northrop Corp.
 U.S. Air Force
 U.S. Coast Guard training for:



ASTRO FLIGHT CHAMPIONSHIPS

THE HARBOH SOARING SOCIETY WOULD LIKE TO INVITE YOU TO THE ...

19TH ANNUAL ELECTRIC FLIGHT R/C CHAMPIONSHIPS

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The 18th Annual Astro Flight Electric Champs will be held on Sanuclay and Sunday, May the 2246 and 23 (4, 1993) that a Fairbian Astro Flight Electric Champs will be 1-cell Salphane and Old Timer, Unlimited Salphane and Old Timer, (and 7 Cell Pylon To-Be-Determined) salphane and Old Timer, (and 7 Cell Pylon To-Be-Determined) and OLD TIMER rolates one, two and times was not mitted motor run with thermal duration and runway landings, and will be scored man-on-man. The motor run, duration, and landings will be as follows:

ROUND 1 2-Cell Saibplane 2-Cell Old Timer . Unlimited Sailplane ... Unlimited Old Times

WHAT KIND OF LAY UP: Fiberglass, Carbon Fiber

How much material

How strong How heavy HOW TO

What we have feamed

The New Way

FOAM CUTTING: The Old Way

VACUUM BAGGING: Presentation Outline:

Balsawood, Obechi

Motar run 20 seconds 30 seconds 10 seconds20 seconds Duration 3 minutes 3 minutes 3 minutes Landing 100 points 10 points 100 points ROUND 2

40 seconds '....... 50 seconds 20 seconds30 seconds Duration 7 minutes 7 minutes 7 minutes 7 minutes 100 points 10 points Metor nm ROUND 3 anding.

BAGGING PROCEDURES:

Wing tip preparation

Prepare Core

Wing joining

Hands-on demonstration

Finished article

Lecture walk through

Theory behind Feather / Cul

Blanking Foam

FEATHER / CUT, DEMO:

Free Form Cutting System

Single Template System

Two Template System EMPLATE DESIGN:

Motor run 30 seconds 40 seconds 15 seconds 25 seconds Duration 5 minutes 5 minutes 5 minutes Landing 100 points 10 points 10 points ROUND 4

Round four will be a 5 minute penalty-duration with the same landings as the previous rounds, Time will start when the model becomes airborne. A second timer will keep track of the motor run which will be subtracted from the total flight time. Motor run is unlimited but for one run only at the discretion of the pilot. Scoring will be straight points per second with all classes flying the same task. 7 Cell Pylon Racing: Interested pylon racers should contact Ross Thomas ASAP as

presently, there is insufficient interest to justify the event. This event will be held only if

I YES! I WANT TO ENTER!

AMA SANCTIONED

NAME

AMA LICENSE REQB.

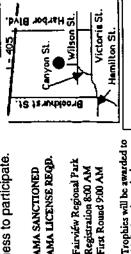
FAINTEM REGIONAL PARK

I TOTAL SALLTANE [CH | ...

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Send entries to: Ross Thomas (CD) TOTAL SENCIOSED (S
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POTAL SENCIOSED (S ... UNI DOTTED SAILPLANE [CH #]... UNIDATED OLD TINER [CH #]... FOR EADH ADDITTONAL EVENT NUMBER OF ENTRES

(714) 638-0705 (after 6PM) Santa Ana, CA 92703 1406 N. La Bonita



Z O

AEROMODELING ASSOCIATION The ELECTRIC

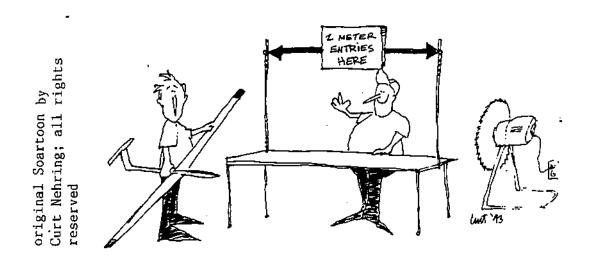
> valuable merchandise prizes donated by Astro Flight and teveral other manufacturers

pilots/workers drawing for third place in each class. Dere will be a

CONTEST LISTINGS

Date/Location	<u>Event</u>	Point of Contact	
5/1-2			
Pasadena	12th Annual Rose Bowl		
	Soaring Festival	R. Burns	818 812-0491
5/1-2 La Jolla	Intl Slope Races	S. Condon	619 565-4361
5/2 San Diego	Merrifield 2M Contest	A. Orona	619 571-0358
5/8 Carson	SULA 2M/SULABird	G. Boss	310 541-6296
5/15-16			
Calif. Valley	F3H Cross Country	M. Hadley	805 922-5147
5/16 Costa Mesa H	SS Monthly (2M only)	F. Chasteler	714 545-2185
5/16 El Dorado	EDSF Monthly - 2M	G. Drought	310 867-8444
5/22 Cerritos	Modelers' Sympo	M. Taibi	310 865-3220
5/22 El Dorado	EDSF Monthly - Elec.		
5/23 Costa Mesa SC	C2 May Tournament	R. Thomas	714 638-0705
5/29-30			
Costa Mesa 18th	Astro Flight Champs	R. Thomas	714 638-0705
6/6 San Diego	Menard 2M 6th Annual	P. Hoffman	619 276-6335
6/12-13 Taft	TOSS Cross Country	E. Weisman	805 498-8878
6/19-20			
Visalia	North/South Challenge	CVRC	209 733-3390
8/14-15 Carson	1st Annual Summer Soaring	Festival	
0, 11 10 Guison	12. Annual banning bouring	S. Addis	310 320-2708
		5. / tdais	3.0 320 2700

Note: for detailed information, contact the individuals listed. Not responsible for changes or cancellations. For any clarifications, contact Pete Young.



SOUTHERN CALIFORNIA SOARING CLUBS RESULTS OF MARCH, 1993 CONTEST

HARBOR SOARING SOCIETY MONTHLY CONTEST APRIL, 1993 **OPEN DIVISION**

LACE	NAME		ICLUB	CLASS	SCORE	NORMALIZED TROPHY
1	HENCRY	Sieve	7888	EKPERT	5541	4X3 1S1 0 000.
2	LEVÕE	MARK	PSS	EKPERT	2947.7	1000 C 157 EXP_
3	WURTS	jCE	FSS	EXPERT	2930 3	994 1 3RD EXP
4	PERKINS	DARYL	;P\$\$	EXPERT	192, 9	993 3 4TH EXP
5	KINDRICK	KEITH	PSS	EXPERT	2925 5	
ő	YOL	GEORGE	TEG	EXPERT	29153	989 01
7	GATTI	WARK	PSS	EXPERT	29101	387.2
é	PODRIGUEZ	JCE	-55	EXPERT	1 2500	983 9
- 9	FOXGOPD	CPA G	NONE	JEXPERT	, 2356.5	982.4
12	MARKLE	2.51	£086	EKPERT	19953	982.4
	ISKINNER	- M - 4.5	ECSF	SECRESMAN	: 29958	9824! S SPT
-:2	ECHERG	BON	~33	TEXPERT	1992 9	9814
	S ROBEL	₹iCH	-23	ERFER	2990 1	980 51
	REAGAN	MixE	*085		23900	980 41
	WEISMAN	€23 48	-238	:5.255	29810	97141
	SADCRE	STAN	35	151255 T	28803	977 %
17		FRED	-=3	151355	28803	977 1
- 2	LECKEY	ROGER	-53	i <u>E</u> xaga*	19784	375 51
	MARKIEWICZ	191-UR	.î₽Ģ	EXPERT	1 29679	970 94
20	FARLESS	CAVAC	iPSS	TERRE	2960 5	9704
2:	I BILLMAN	1000	::55	EXPERT	2857	
22	MEISMAN	3 1	TOSS	ISPORTSMAN	2855.9	
23	MORTON	RICHARD XX	TPG	(SPORTSMAN	2953 4	1 959 0 3RD SPT
	SMITH	STEVE	iL SC	ISPORTSMAN	2950 6	367 1
25	MacKENZ:E	SCOTT	SEVE	(EXPERT	2950	
	CLERX	BEN	HS5	1ExPERT	2935.2	
41	AGUIRRE	MIKE 4X	HŞS	SPORTSMAN	1 2650 5	
<u></u> 6	SLIFF	308	H\$S	EXPER:	1 24150	
49	THOMAS	₹0SS	'H\$\$	EXPERT	1 2354 2	
	BRATAUD	RANDY	HSS	TEXPERT	2258	*30 3i
53	PARSONS	JIM XX	.HSS	SPORTSMAN	2237 3	
55	INEHRING	CURT	HSS	SPORTSMAN	2130.4	-22 -1
57	auzolich	NICK	HSS	SPORTSMAN	1719.5	
34	KUTCH	NORM	<u>~85</u>	EXPERT	1056.9	358 61

PLACE	NAME		CLASS	SCORE NOR	MALIZED TROPHY
	EUBERG	UON	EXPERT	12980 01	"GUU 1 'S E'-
2:	LACKEY	ROGER	EXPERT	2970.01	995 5 2ND EXF
31	CLERX	BEN	EXPERT	2925 J	981 5 390 E 49
- 4	TONAPE	DENNIS	EXPERT	2849 0	956 01
	PENDRY	STEVE	EXPERT	2931-01	950 0
	PANTZAR	DICK	EXPERT	2815 0:	344 6
	POULSEN		EXPERT	2802.01	940 3 j
91	FiNK	STEVE		2784 0	924.2
<u>-</u>	WHITE		(EXPERT	2760 01	922 91
10	GIBBS	DUANE	ADVANCED	2739 0	919 67 40
	KUTCH	NORM	EXPERT	2705 01	307.7
	THOMAS	ROSS	EXPERT	2 <u>68</u> 101	529 1
	BRATRUD_	RANDY	EXPERT	1640.01	985 8
	AGUIRRE	WKE	14CVANCED_	2577.01	564 B 21/21 - 27
15	BIKLE	,O∺Ω,	ADVANCED T	25 2 04	563
'6	CHASTELER		EXPERT	1550 C	965 "
	NEMECEK	CIVAC	EXPERT	2546 31	254 4.
	RICHARDSON	2515	EXPERT	. 0544.01	953 *
+5	PARSONS	255	ADVANCED	0419 Oi	93. 9
20	NEHRING	CURT	ADVANCED	2432 0:	314
	RITSCHKE	GCRDON	EXPERT	2425.0	3,03
	CRON	ÄL .	EXPERT	2416 0	a•5 1
23	VINCENT	TOM	SPCRISMAN		195 37 87 3718
	ÄÜ	MANNY	ACVANCED	2354 0	189 91
	SANDERS	ANDY	JACVANCED	5241.01	752,25
	SLIFF	808	EXPERT	2236 01	750 34
	(CURHAM	JACK	jG⊍£S1	2229 0	749.27
	DUNCAN	SILL	JEXPERT	2224 01	746 31
	POPE	808	[GLEST	2214 0	143 0
	YOUNG	PETE	IACVANCED	20250	679.5
31	BUZOLICH	NICK	SPORTSMAN	19-90	분석을 수

TWO-METER DIVISION

ACE NAME		SCORE NO	MALIZED TROPHY
FILAUKEY	RUGER	2385 2	14
2 WHITE	LARRY	2934 01	982.3
3 VINCENT	TOM: 1	2**50	HG11 47
4 CLERX	BEN	1 25,25	929 8
5 PARSONS	JiM	1540 01	381 t.
6 YOUNG	PETER	: 2428.01	341 +
7 CHASTELER	FRANK	2426.0	940 31
BITHOMAS	ROSS	2408 0	134 *
9 DUNCAN	BILL	24060	934.0
:CIAGUIRRE	MIKE	2364 0	3194
111SLIFF	BOB	2329 0	807.21
12 KUTCH	NORM	2295 0	795.5
131B0ZOUCH	NICK	2204 0	154 C
14 FINK	STEVE	2093 0	25.51
15 RICHARDSON	PETE	2047.0	129 6

PLACE	CLUB	FLYERS .	TOTAL
1	1755 1	21	19.50
	ĭHS3 .	12	39:57
3	TTPG T	10	39:95
- 4	OSS	3	3892 7
5	TEOSF	11	3874.5
	iss	. ÷	3874 0
;	SEVE	7	3277 1
3	NCC	4	2938 9
9	ŞULA	2	1478 6
1 :0	SWSA	21	1416 4
	MRCS	ů:	ÇO
12	::CUST	21	0.5

HSS MAY MONTHLY

CD: Frank Chasteler LOCATION: Fairview Park, Costa Mesa DATE: Sunday, May 16

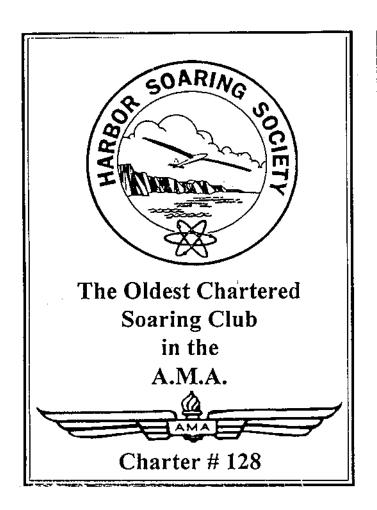
(the Sunday after Mothers'

time.

Day!) **EVÉNTS:** Two-Meter ONLY! Open fliers should ily at the 23 May SC2 tournament to accumulate HSS Open points for May! FORMAT: Man-on-man, 7 minute/ 900 flight points, 100 landing points maximum, 251 standard graduated circle. Four rounds minimum, fifth round optional depending on



Andy Sanders and original Viper - photo digitizing courtesy of John Ostrowski



MAY MEETING

<u>DATE:</u> Wednesday, May 5, 7:30PM

LOCATION: Clubhouse at Lakes at Seabridge Condos. Refer to instructions on page 1.

SHOW AND TELL: Bring in your latest projects!

GUEST SPEAKERS: Greg Chun and Manny Tau will be displaying the latest products from GRECO!





FIRST CLASS MAIL

ANDREW SANDERS 288 BUCKNELL RD. COSTA MESA, CA 92626