

Harbor Soaring Society
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FIRST CLASS MAIL

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PLANE RAP

The Newsletter of the Harbor Soaring Society

"The Oldest Chartered Soaring Club In the AMA"
Charter # 128

May 1997

- Wed, May 7th** HSS General Meeting at Hobby Shack, Fountain Valley, 7:30PM. Dave Sanders of Dave's Aircraft Works will "show and tell" his latest designs!
- Sunday, May 11th** HSS Club Thermal Duration Contest and Field Auction. Turn your unwanted items into bucks and buy the bargains you always hoped for!
- Saturday, May 17th** HSS Handlaunch Day. Bring your HL to the field and warmup for the big summer contests.

1997 United States F3B Soaring Team

1997 U.S. F3B Soaring Team ● 22412 Rippling Brook ● Lake Forest ● CA ● 92630

Every two years the United States sends a team of its best soaring pilots to compete in the World Championships for radio controlled soaring. For four days, the three pilots will fly against the finest pilots from Europe, North and South America, Asia and Africa, and at the end of the competition both an individual and team champion will be crowned.

To earn a slot on the team, each pilot has personally invested thousands of dollars in planes and equipment, and spent hundreds of hours practicing to refine his flying skills and tactics. They have participated in a nationwide Team selection process which culminates in a three day long Team Selection Finals. The top three finishers at this meet are the pilots selected to represent their country at the World Championships.

In 1997 The World Championships will be held in Ankara, Turkey. To raise funds to help pay for the costs of traveling overseas, the U.S. Team is selling Official F3B Team T-shirts, Patches and Pins. The Team is asking for your support to help defend the Team and Individual World Championships won by the United States won in 1995.

YES!

**I'D LIKE TO HELP SUPPORT OUR U.S. SOARING TEAM.
PLEASE SEND ME THE FOLLOWING MERCHANDISE:**

Quantity	Item Description	Cost	Extension
_____	Medium T-shirt	\$15.00	_____
_____	Large T-shirt	\$15.00	_____
_____	X-Large T-shirt	\$15.00	_____
_____	XX-Large T-shirt	\$15.00	_____
_____	Official US Team Pin	\$ 3.00	_____
_____	Official US Team Patch	\$ 5.00	_____

SUBTOTAL _____

Shipping / Handling (Add 10% of Subtotal) _____

Donation (Optional - but appreciated!) _____

GRAND TOTAL _____

Please fill out your name and address below. Return the completed form and your payment check made out to U.S. F3B Soaring Team to 22412 Rippling Brook, Lake Forest, CA 92630. Please allow two to three weeks for delivery. Thank you!

NAME _____

ADDRESS _____

CITY _____ STATE _____ ZIP _____

HSS 1997 Calendar- May 97 Update

HSS Plane Rap has it all!!! Events of interest to the OC R/C Soaring Community. HSS sponsored or affiliated events in bold. New dates/clubs added this month include new Combat dates for LNSSG, an HSS TD makeup day on 6/15, and the campouts/events scheduled by Orange County's fullsize club, OCSA. As usual, everything is subject to change.

<u>May</u>		<u>August</u>	
5/3-4	SEFSD Spring Fling	8/2-5	AMA Electric Nats, Muncie, IN
5/3-4	OCSA fullsize Lake Elsinore Campout	8/2-3	OCSA Contest Hemet
5/7	HSS Club Meeting	8/2	TPG Poway Slope Combat
5/10	ISS Hand Launch	8/6	HSS Club Meeting
5/10	TPG Slope Race	8/9	HSS LSF Picnic
5/11	HSS Monthly TD and Field Auction	8/10	HSS Monthly TD
5/16-17	Los Banos Scale	8/30-2	VSA/Homebuilders Meet, Tehachapi
5/17	HSS Handlaunch Day	8/31	SC2 SWSA
5/24-26	OCSA 29 Palms Campout	8/30-9/1	OCSA Tehachapi Campout
5/25	SC2 TOSS	<u>September</u>	
5/31	TPG/Poway Slope Combat	9/3	HSS Club Meeting
<u>June</u>		9/6	ISR Slope Combat
6/4	HSS Club Meeting	9/7	HSS Monthly TD
6/7	LNSSG Slope Combat	9/13	TPG Slope Race
6/7-8	TPG International HLG	9/14	LNSSG Slope Combat
6/8	HSS Monthly TD	9/20-21	KCR Electric, Penn.
6/13-15	Elmira,NY Aerotow "97"	9/20-21	SEFSD F5B Champs
6/14	CSR Unlimited, Yorba Linda	9/28	SC2/Scale HSS
6/14	TPG Slope Race	<u>October</u>	
6/15	HSS TD Makeup	10/1	HSS Club Meeting
6/14-22	Southwest Antique Classic (fullsize), Moriarty, NM	10/4-5	CVRC Visalia
6/21-22	OCSA Fullsize Contest Hemet	10/4-5	SEFSD Fall Fun Fest
6/21	ISR Slope Combat	10/8	HSS Monthly TD
6/21-22	Rose Bowl Soaring Festival	10/11	TPG Slope Race
6/29	SC2 TPG	10/18	LNSSG Slope Combat
<u>July</u>		10/18-19	SEFSD F5D Champs
7/2	HSS Club Meeting	10/18-19	OCSA Coyote Lake Campout
7/4-6	OCSA fullsize Jacumba Campout	10/26	SC2 PSS
7/5	LNSSG Slope Combat	<u>November</u>	
7/6	HSS Monthly	11/1	TPG Poway Slope Combat
7/12	HSS Handlaunch	11/5	HSS Club Meeting
7/12-13	CSR Races, Laguna Niguel	11/8	TPG Slope Race
7/15-24	SSA (fullsize) Open Nationals, Minden, NV	11/9	HSS Monthly TD (SC2 Raindate)
7/26	ISR Slope Combat	11/30	
7/26-1	AMA/LSF Soar Nats, Muncie, IN	<u>December</u>	
7/27	SC2 ISS	12/6	HSS Monthly TD
		12/6	TPG- Slope D-Day
		12/7	HSS "Top 10"
		12/10	HSS Holiday Party
		12/13	OCSA Awards Party
		12/13	TPG Slope Race



wing was slid back to the marks and it was re-launched. It has been "full pedal" launched on the winch (the wings do bend, it does zoom launches). Loops off a winch line are now common launches. It is still strange to witness the amount of crash and abuse and realize that the plane survives so well. I still enjoy dropping the plane at someone's feet and watch their surprise when it bounces.

The repair work has been 1) re-shrink the covering (several times) to straighten the wing warp from abuse, 2) goo the tears in the fuselage material from excessive abuse, 3) align the tail incidence from thoughtless building, 4) add filament tape around under the fuselage at wing leading and trailing edges to tighten the wing saddle, and 5) add filament tape just forward of the tail feathers around the fuselage from doing cart wheels. The covering get wrinkles. The wing gets warped and causes quick turns during launch. A few minutes with the heat gun and iron and it is ready to fly again.

In the first month, the TG-3 has changed its perception by club flyers from ugly duckling to the best training plane that has appeared at our flying site. It is in demand for fun flying and has become the standard teaching glider. The members have become much more active in doing novice training since they get to fly it too. It has been flown by at least 20 members and 10 novice flyers. It has thermalled right up through other planes and has been a tiny speck in the sky (literally out of sight for my old eyes) on many occasions. I have not witnessed any plane attracting so much attention at the field.

Well what can I say in conclusion? I like it. In fact I like the trainer so much that I am building one just for me ... the aileron option configuration. My reason for having my own is not for the primary feature of durability, but because it is a fun plane.

HSS Minutes of the April 2, 1997 meeting

The meeting was called to order by President Roger Lackey. There were 27 members present. A sign up sheet for the rideable mower was passed around. New donations were acknowledged from Dick Panzar and Gordon Ritschke. The Treasurer announced that the club has 78 members. Expenditures were for the newsletter and the AMA charter.

Contest Coordinator Rick Briggs announced that the April monthly contest would be 10 minute man on man rounds. June 15 was scheduled for the make up contest. At the May meeting will be sign ups for monthly Contest Directors. The last two monthly contests were started late and thus ended late. Participants are encouraged to be ready to fly by 9 AM.

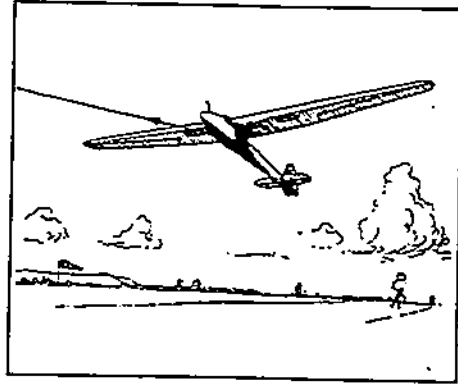
Larry Tuohino, General Director, discussed the video from Rick Briggs showing highlights from the 5 day scale event in Switzerland. LSF day is April 12. The March electric event at the field had a net profit to the club of \$63.00.

Old business was a discussion about the rideable mower, investigation into getting a good used mower and the possibility of renting a mower for the cutting needed through June. Donations and pledges now total about \$500, about one half the cost of a new mower.

New Business: Rick B. is making plans to host a scale event in September. Our Hobby Shack has a new manager - John Metcalf - say hello to him on your next visit.

Demonstration Program: Roger Lackey came prepared with materials for his demonstration of making a composite wing, ably assisted by Mike Aguirre. The sample wing panel has a spyder foam root section, gray foam tips, and a pre installed root rib and sub rib. The leading edge was covered with a ribbon of 3 oz glass cut on a bias, and held in place with 3M77. Preparation of the mylar "taco" included wax and paint (put Krylon spray can in hot water for about 3 minutes to help paint to flow). Lay 3 oz cloth (surface layer) on the mylar and apply epoxy with a short nap roller (he cuts a 9" roller into 3 pieces, 3" wide). Next lay 4 oz carbon mat over the cloth and lay the foam wing into place. Put a mixture of epoxy and filler powder (spruce) along the trailing edge. The wing is placed in a nylon vacuum bag with paper towels at the trailing edge to absorb the pressed out epoxy. Set the bagged wing into the lower foam saddle to hold the contour while curing. Leave in bag for 48 hours. To cut holes for servo wires, heat a brass tube and drop down from the root end. Roger and Mike made this look easy. Thanks guys for a great presentation.

General Directions



By Lars Tuohino

Membership Moves Upward

Steve Hendry sez the HSS membership is up to 78 now, and considering we have targeted and hit just shy 100 members the last couple of years perhaps this will be the year that HSS hits the big 100! It would be great if the next 22 were all energetic beginners as that could help the sport and the club for many years to come. Nevertheless, new members this month include none other than model builder *extraordinaire*, Larry Jolly.

Aeromodeling vs Fullsize Soaring

Most know I've been hanging out alot lately with OCSA, our brethren OC full-size club, I have talked at times smugly about "moving up" into these birds...but now I'm realizing the fundamental difference between the two sports which make both rewarding in a different way. This really hit home to me in a recent article in Sailplane Modeler by Chris Williams. Chris explains the difference is "scale realism", ie, being able to step *outside* of the flying experience, *watching* the results of your efforts, *creating* your very own "personal airshow" with you both in-charge and simultaneously the enthralled spectator.

The Slope Is Hot Hot Hot

Hearing at the last HSS club meeting Lynn Johansen's comment about the slope really crankin I was able to slip out from work a couple of times this month. Now that daylight savings time is over it lifted me out of the doldrums especially as I rediscovered the beauty of sunset flying at Fairview Park. Nothing beats taking a few minutes at the end of a hectic work day to enjoy the peaceful quiet at our HSS slope. Whether you fly, just talk, or enjoy the sunset with a warm (or cold) one, spring is one of the best times to enjoy the slope action. And of course, the weekend is also now getting pretty crowded with the *wild ones*. Yabba dabba doo the slope is a real show!

Where to Find it?

Help me out here. We all know Gyro and Hobby Shack as pretty good places to get the electronic gizmos that we all enjoy. But some members seem to also know places to get that "special item", or where the prices are much "better" on something, or the "selection" in a certain category of items is the best. How about sharing with ol' Lars a couple of your local "secret sources" for say steel, batteries, epoxy, hardware, foam, etc and I'll publish the info for everyone's benefit in a future column? Call, write, or E-mail me your carrier pigeon today!

HSS Sailboating Opportunity?

Notice all members and family! Interested in a relaxing afternoon of sailing on a 40 foot yacht? All should hereby be aware that more info and a sign-up sheet will be available at this month's HSS General meeting!

"HSS Is Orange County R/C Soaring"