



THE OLDEST CHARTERED
SOARING CLUB
IN THE
A.M.A.



CHARTER # 128

1991 JUNE MEETING

THE JUNE MEETING WILL BE
HELD ON WEDNESDAY JUNE 5,
1991 AT 7:30 P.M.

LOCATION: CLUBHOUSE AT
LAKES AT SEABRIDGE CON-
DOS. SEE MAP AND INSTRU-
CTIONS INSIDE.

VARIOUS TOPICS OF INTER-
EST TO THE CLUB WILL BE
DISCUSSED.



P.O. Box 1673
Costa Mesa, CA 92628



FIRST CLASS MAIL

WILL CONRAD
9359 SHRIKE AVE
FOUNTAIN VALLEY, CA 92708

JUNE 1991



**(The Soaring)
Society Column**

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Secretary:	Brian Germaine	(714) 241-3878
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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 John Ostrowski in person or by mail to: 8902 Lawrence Ave, Westminster, CA 92683.

Club Minutes

The meeting was called to order at 8:45 p.m.. The minutes were changed regarding the 60 second time allowed for calling a mid-air to 10 seconds. New Faces included: Dennis Carrol who wants to get back in to the hobby, and Jim and Janice Burn who want to express their gratitude towards the club for the help. The treasure's report was read and accepted.

OLD BUSINESS

Keith Mclellan is going to set-up the slope contest as long as the club agrees to help run it. Details will be available next newsletter. Thunderhead, Winchlines, and Zero Sink, are all some ideas for a name for our "new" newsletter. A vote will taken on the feild at the May contest regarding the preferred format.

NEW BUSINESS

A big thanks goes out to those who helped clean up the feild on Saturday, April 27th. George Sparr donated a \$10 gift-certificate that will be raffled at the end of the year.

Brian Germane, Secretary

PRESIDENT'S COLUMN

Here it is June and the year is half over. time really flies when you are soaring with friends. As Prez I have had little problems with the club business. I thank all of you for your support. If there is something you think the club should or should not be doing, let me know.

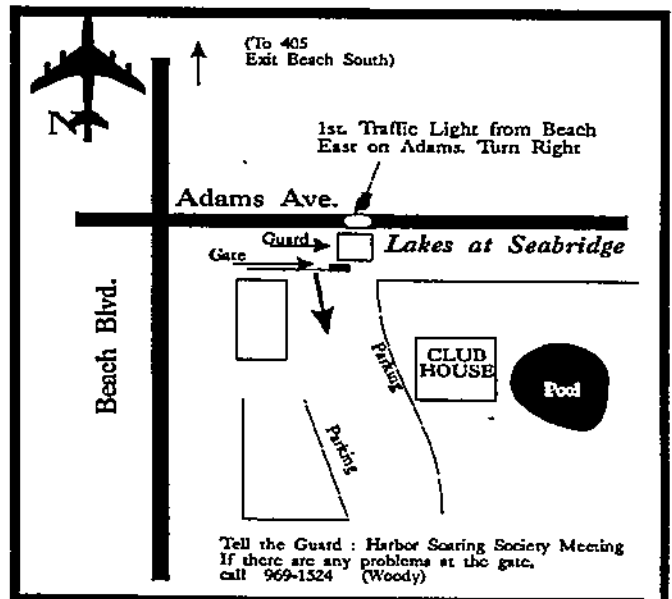
The club looked good again when we had such a fine turnout for the City clean-up program. Your work made a big improvement in the flying field. A special thanks to Leo for cutting the grass. H.S.S. is well-known. To enhance that reputation, I would like a contest where flight records could be set at the Harbor club field. Each record would be held until another (AMA only) pilot bettered the record on our field. Categories could include:

Duration - Total flight time. Altitude - Altimeter in model for a recorded height. Distance - A marker could be set up on the bike trail to the river.

Two members of H.S.S. would witness the flights and only one attempt would be made per hour by the same person. If this sounds like fun and something you would like to do, let me know and we will work out the details. Again, thanks for your support and I am looking forward to the next six months. That's all for now.

MEETING LOCATION

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. A big THANKS to Woody Grosvenor.





THERMAL HUNTING - PART 1

Ben Clerx, Contest Coordinator

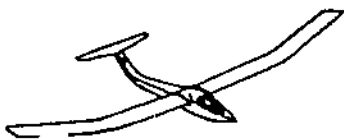
As the title suggests, this series of articles will give you techniques that should help you max every flight you make, whether it be during competition or practice. Of course, all this reading won't be as good as having some of the more proficient pilots coach or time for you when you fly. It's sort of like having Arnold Palmer standing next to you with ready advice as you hack your way through 18 holes of golf.

To be a successful thermal hunter one needs to have the right *attitude* (altitude helps also) - always believe that there is lift out there somewhere. Air is almost always moving either up or down. Fly your plane fast, out of the down air and circle slowly in rising air. It's that simple. Spend a little time watching hawks and seagulls, they'll show you how it is done better than any pilot.

Much has been written on search patterns and techniques for locating thermals, so I'll be brief on this subject. Recent magazine articles by Fred Weaver, Bob McGowen and others are very good (ed. note: a series of books on soaring techniques by Dennis Pagen is also very good, if you can find them). A book by Dave Thornburg, *Old Buzzard's Soaring Book* (I believe is the title) is very educational and entertaining.

In a nutshell: keep the plane moving along your search pattern and cover as much sky as possible without searching the same air twice. Remember, you have to go out and find the thermals, they won't come to you. If other planes are climbing in lift, your problem is solved. If other planes are not in lift, there's no point in searching that part of the sky. Have your timer monitor their progress while you search another area. The ten minutes prior to launch should be spent watching other planes. When you launch, you should have a pretty good idea where to go. When flying at a strange field, talk to the local pilots about where the hot spots are (also watch where they go to make certain you haven't been set up for a wild goose chase).

Next month: how to make your plane cover more sky in search of thermals. Till then, good hunting.



JUNE CONTEST

Ben Clerx, C.D.

Date: June 9, 1991

Format: Three round add-em-up. 20 minute total. Only even whole minutes (eg. 2, 4, 6) will be counted.

Schedule: Pilots meeting at 8:45 A.M..
First round at 9:00 A.M.

NOTE: ALL radios must have gold stickers

THE NAME GAME

Well, a few names for the newsletter have been suggested. Norm suggested that we publish the list so far to see if it stimulates any additions. If not, we may vote on one of the suggestions next month so if you don't like these, come up with one of your own. Suggestions so far include: zeypher, thunderhead, zero-sink, winch lines (already used), thermal currents, air waves, bench flyer, Fairview flyer and sailplane flyer. Like these? Got a suggestion of your own? Tell the editor.





PILOT OF THE MONTH

The Pilot of the Month for May is a pilot gnome'd to all:



Ross Thomas

Occupation: Mechanic for Dolly Madison Bakery.

Started flying sailplanes: In 1975, with Bob Sliff at Lake Elsinore.

Reason for Interest: Have built model airplanes all my life. Flew control-line, stunt, combat and rat-race in the 50s and early 60s.

First sailplane: WindWard that I got from Bob Sliff in 1975.

Favorite part of the sport: Building my own contest models. Helping new fliers, and participating in contests.

Goal for 1991: Crash fewer models, place higher in SC² and in our own club year-end standings.

Current gliders: Gnome two-meter, Gnome three-meter both polyhedral and aileron forms.

Greatest flying strength: Thermal flying.

Advice for beginning pilots: To get help with their first model both in building and flying. Stick with one expert so that there is less confusion with help coming from different sources.

EDITOR'S NOTES

Where have all the winches gone? Maybe its my imagination, but it seems that over the last several months the number of winches and retrievers that put in an appearance on weekday and even weekend flying days is getting progressively smaller. Granted, the weather this Spring hasn't been the best for flying on many weekends but it would be nice to at least have the option to fly. Maybe those of you that own winches but do not care to be bothered with brining them out to the field might consider offering them for sale in our Swap Shop. Who knows, other club members may be able to put the equipment to much better use.

FREQUENCIES IN USE

Frequencies with multiple users at the May H.S.S. contest: 16(3), 18(3), 24(2), 32(5), 38(3), 46(2), 50(2), 52(2).

Frequencies with multiple users at the May SC² contest: 14(2), 15(2), 17(2), 18(3), 22(2), 24(7), 28(4), 30(4), 32(3), 35(3), 38(4), 40(5), 44(3), 48(4), 50(2), 52(4), 56(5).
Ham bands: 02(2), 53.4(2)

SWAP SHOP

FOR SALE: TOP FLITE ANTARES, 100 in. span sailpane kit, \$55.00. VOLT-OHM-AMP METER, 0-1000 volts DC - 12 ranges, 0-1000 volts AC - 8 ranges, 0-20 MegOhms - 5 ranges, 0-10 Amps - 10 ranges, \$25.00.
Call after 6:00 P.M. Ask for Dave. 839-4317

WANDERER with Airtronics 4 channel Vanguard FM radio (gold sticker). good beginning setup: \$125. MFA HIGH SIERRA 2-meter. Polyhedral, glass fuse, foam-core sheeted wings. Penetrates well, good first slope ship. No radio gear. \$75 or best offer. Call 847-4871 ask for John.

Place your ad in Swap Shop for the low, low price of - FREE. Just make sure you provide the information to the editor by the 15th. of the month. Ads must be renewed each month. Please indicate whether radio equipment meets 1991 standards.

1991 CONTEST SCHEDULE - Ben Clerx Contest Coordinator

DATE	CONTEST
June 9	HSS Club Contest
June 23	Electric/Sailplane Team Contest
June 30	SC ² Soaring Union of Los Angeles
July 7	HSS Club Contest
July 12 - 21	AMA Nationals (Lawrenceville, IL)
July 28	SC ² North County Clouds
August 11	HSS Club Contest
August 16-17	F3E Team Selection (Bid by HSS) (18th. makeup)
August 18	SC ² Pasadena Soaring Society
September 8	HSS Club Contest
September 29	SC ² Harbor Soaring Society
October 5-6	CVRC SoaringFest (Visalia)
October 13	HSS Club Contest
October 27	SC ² Silent Wings Soaring Association
November 10	HSS Club Contest
November 24	SC ² Harbor Soaring Society Lee Renaud Memorial
December 8	HSS Club Contest



HSS VIDEO LIBRARY

NAME	COMMENT	RATING (0-5)
RC Video Magazine (Vol. 7 - 86)		
Striking Back		4
Foam, Fiberglass, Flight		4
Tournament of Champions (88)		
Monokote 1 & 2	Interesting	3
MIG Killers		3
Hook down, Wheels Down	Navy Aviation Hist	4
F3E - Bridgeman's Plane		
Electric Flight		none
Dawn Patrol	WWI Movie	4
Thunderbolt, Flight for the Skys	WWI Air Combat	5
F3E USA Finals 6 -22-88		

More tapes are being added all the time. All tapes are VHS format. For information about borrowing a tape, ask at the next meeting.

HSS MAY CONTEST - OPEN DIVISION

PLACE	NAME	CLASS	SCORE	NORMALIZED	TROPHY
1	CLERX BEN	EXPERT	2630.0	1000.0	1ST. EXP.
2	SLIFF BOB	EXPERT	2682.0	983.8	2ND. EXP.
3	JOY GEORGE	EXPERT	2679.0	982.8	3RD. EXP.
4	GARNER RICH	EXPERT	2790.0	952.2	
5	POULSEN GORDON	EXPERT	2759.0	941.6	
6	ZINK DON	EXPERT	2749.0	939.2	
7	McLELLAN KEITH	SPORTSMAN	2711.0	925.3	1ST. ADV.
8	ATWELL BLAIR	GUEST	2690.0	916.1	
9	LACKEY ROGER	ADVANCED	2687.0	917.1	2ND. ADV.
10	JOY BRYAN	SPORTSMAN	2668.0	909.9	1ST. SPTS
11	KUTCH NORM	EXPERT	2663.0	906.9	
12	PARSONS JIM	SPORTSMAN	2590.0	894.0	2ND SPTS
13	CHASTELER FRANK	EXPERT	2494.0	851.2	
14	RICHARDSON PETE	EXPERT	2474.0	844.4	
15	SANDRONI HUGO	ADVANCED	2483.0	840.6	
16	FINK STEVE	EXPERT	2458.0	836.2	
17	SMITH MORRY	EXPERT	2449.0	835.8	
18	PANTZAR DICK	EXPERT	2448.0	835.5	
19	THOMAS ROSS	EXPERT	2443.0	833.8	
20	NEMECEK DAVID	EXPERT	2434.0	830.7	
21	CRON AL	EXPERT	2420.0	825.9	
22	WHITE LARRY	EXPERT	2417.0	824.9	
23	BUZOLICH NICK	SPORTSMAN	2338.0	797.3	
24	DANRICH DAN	ADVANCED	2248.0	787.2	
25	RITSCHKE GORDON	EXPERT	2230.0	781.1	
26	YOUNG BRETT	SPORTSMAN	2150.0	733.6	
27	GERMANE BRIAN	ADVANCED	1998.0	681.2	
28	HENDRY STEVE	ADVANCED	1780.0	607.5	
29	COLLETT MATT	SPORTSMAN	0.0	0.0	

HSS MAY CONTEST - TWO METER

PLACE	NAME	SCORE	NORMALIZED	TROPHY
1	RICHARDSON PETE	2728	1000.0	1ST.
2	SLIFF BOB	2654	972.9	2ND.
3	THOMAS ROSS	2614	958.2	3RD.
4	JOY GEORGE	2445	896.3	
5	JOY BRYAN	2359	864.7	
6	WHITE LARRY	2292	840.2	
7	KUTCH NORM	2265	830.3	
8	McLELLAN KEITH	2060	755.1	

TWO-METER YEAR-TO-DATE STANDINGS

PLACE	NAME	SCORE	CONTESTS
1	RICHARDSON PETE	4847.4	5
2	KUTCH NORM	4844.9	5
3	THOMAS ROSS	4554.8	5
4	WHITE LARRY	4388.2	5
5	JOY BRYAN	3985.0	5
6	JOY GEORGE	3804.8	4
7	SLIFF BOB	3818.4	4
8	FINK STEVE	3607.6	4
9	NEHRING CURT	3080.5	4
10	MARTIN TONY	2897.6	3
11	EDBERG DON	1856.5	2
12	LONG DICK	1866.0	3
13	McLELLAN KEITH	1699.3	2
14	HENDRY STEVE	1608.1	2
15	CHAMBERLIN RALPH	1589.5	2
16	BUZOLICH NICK	1446.7	2
17	LACKEY ROGER	1365.9	2
18	ANKENBAUER STEVE	1294.1	2
19	HALL HERMAN	842.1	1
20	CONRAD KURT	855.9	1
21	CONRAD WILL	842.6	1
22	PARSONS JIM	821.7	1
23	MILLS ARCHIE	575.2	1

HSS YEAR-TO-DATE STANDINGS
OPEN CLASS

PLACE	NAME	CLASS	SCORE	CONTESTS
1	CHASTELER FRANK	EXPERT	4721.0	5
2	ZINK DON	EXPERT	4684.0	5
3	KUTCH NORM	EXPERT	4594.6	5
4	LACKEY ROGER	ADVANCED	4383.8	5
5	FINK STEVE	EXPERT	4338.4	5
6	WHITE LARRY	EXPERT	4308.6	5
7	SMITH MORRY	EXPERT	4280.6	5
8	RICHARDSON PETE	EXPERT	4279.3	5
9	NEMECEK DAVID	EXPERT	4238.3	5
10	PANTZAR DICK	EXPERT	4211.0	5
11	THOMAS ROSS	EXPERT	4199.7	5
12	CRON AL	EXPERT	4178.5	5
13	JOY BRYAN	SPORTSMAN	4103.6	5
14	YOUNG BRETT	SPORTSMAN	4032.6	5
15	RITSCHKE GORDON	EXPERT	3912.0	5
16	JOY GEORGE	EXPERT	3841.5	4
17	GERBIN ROBERT J	EXPERT	3800.0	4
18	GERBIN BOB	EXPERT	3741.5	4
19	SLIFF BOB	EXPERT	3608.6	4
20	GATES MATTHEW	ADVANCED	3600.8	4
21	DANRICH DAN	ADVANCED	3480.8	4
22	GARNER RICH	EXPERT	3462.9	4
23	GERMANE BRIAN	ADVANCED	3342.7	4
24	HENDRY STEVE	ADVANCED	3251.8	4
25	NEHRING CURT	SPORTSMAN	3213.0	4
26	PARSONS JIM	SPORTSMAN	3044.5	4
27	MARTIN TONY	EXPERT	2991.0	3
28	RENAUD TIM	EXPERT	2892.4	3
29	POULSEN GORDON	EXPERT	2831.5	3
30	BUZOLICH NICK	SPORTSMAN	2791.4	4
31	LUPFERGER JOHN	EXPERT	2778.7	3
32	RESEAR EDWARD	SPORTSMAN	2714.8	3
33	SANDRONI HUGO	ADVANCED	2668.0	3
34	BOESE JIM	SPORTSMAN	2338.2	3
35	LAIR DAN	SPORTSMAN	2322.9	3
36	EDBERG DON	EXPERT	1992.5	2
37	CLERX BEN	EXPERT	1856.3	2
38	LONG DICK	ADVANCED	1802.4	3
39	McLELLAN KEITH	SPORTSMAN	1689.8	2
40	STALLS JARED	EXPERT	1848.2	2
41	SCHOFRO STEVE	SPORTSMAN	1753.5	2
42	CHAMBERLIN RALPH	SPORTSMAN	1684.8	2
43	MILLS ARCHIE	SPORTSMAN	1626.0	2
44	COLLETT MATT	SPORTSMAN	1608.6	3
45	GIBBS DUANE	ADVANCED	1563.3	2
46	VON GROTE BRAD	SPORTSMAN	1317.9	2
47	STOKER PAT	EXPERT	992.2	1
48	STOVALL LEE	SPORTSMAN	915.5	1
49	HARRIS PHIL	EXPERT	882.5	1
50	DUNCAN BILL	SPORTSMAN	808.6	1
51	CONRAD WILL	ADVANCED	789.6	1
52	STOVALL WILL	SPORTSMAN	705.5	1
53	HARVEY TIM	SPORTSMAN	677.0	1
54	GROSVENOR WOODY	SPORTSMAN	583.5	1

I don't believe it! He spikes my foot and he still wants his landing points!





SOUTHERN CALIFORNIA SOARING CLUBS
RESULTS OF D.U.S.T. CONTEST OF MAY 19, 1991
CONTEST DIRECTOR - DAVID HALL

SOUTHERN CALIFORNIA SOARING CLUBS
ANNUAL STANDINGS AS OF MAY, 1991
TOP 25 PLUS H.S.S. CONTESTANTS

PLACE	NAME	CLUB	CLASS	SCORE	NORMALIZED	TROPHY
1	ATWELL BLAIR	DUST	EXPERT	2954.0	1000.0	1ST. EXP.
2	EDBERG DON	HSS	EXPERT	2946.0	997.3	2ND. EXP.
3	MATSUMOTO BEN	PSS	EXPERT	2940.0	995.3	3RD. EXP.
4	MARTIN TONY	HSS	EXPERT	2938.0	994.8	4TH. EXP.
5	RODRIGUEZ JOE	ISS	SPORTSMAN	2934.0	993.2	5TH. EXP.
6	LACKEY ROGER	HSS	SPORTSMAN	2922.0	989.2	1ST. SPTS
7	CHASTELER FRANK	HSS	EXPERT	2920.0	988.5	
8	TILLMAN NORM	NCC	EXPERT	2898.0	981.0	
9	REAGAN MIKE	TOSS	EXPERT	2872.0	972.2	
10	BLEDSOE RICH	TPG	EXPERT	2860.0	968.2	
11	SHELBY RICH	ISS	EXPERT	2838.0	960.7	
12	MCNAMEE ART	TOSS	EXPERT	2821.0	955.0	
13	SANDRONI HUGO	DUST	EXPERT	2786.0	943.1	
14	RITTER CHRIS	DUST	SPORTSMAN	2742.0	928.2	2ND. SPTS
15	HENDRY STEVE	HSS	EXPERT	2722.0	921.5	
16	GUSTIN RONALD	DUST	EXPERT	2718.0	920.1	
*17	KUTCH NORM	HSS	SPORTSMAN	2712.0	918.1	3RD. SPTS
18	LEVOE MARK	PSS	EXPERT	2712.0	918.1	
19	WEISMAN EDGAR	TOSS	EXPERT	2702.0	914.7	
20	JOY GEORGE	HSS	EXPERT	2700.0	914.0	
21	MILLS ARCHIE	SULA	SPORTSMAN	2700.0	914.0	
22	BOTKIN VINCENT	ISS	SPORTSMAN	2698.0	913.3	
23	SPITZER GEORGE	PSS	SPORTSMAN	2696.0	912.7	
24	GERMANE BRIAN	HSS	SPORTSMAN	2694.0	912.0	
25	ANDERSON GARY	TPG	EXPERT	2692.0	911.3	
26	FINK STEVEN	DUST	SPORTSMAN	2686.0	909.3	
27	WAGER MARVIN	TPG	SPORTSMAN	2684.0	908.6	
28	GERBIN Jr ROBERT	HSS	EXPERT	2682.0	907.9	
29	RAYMOND KEN	NCC	EXPERT	2672.0	904.5	
30	BUKSHPAN ROBERT	PSS	SPORTSMAN	2664.0	901.8	
31	RATNER MIKE	PSS	EXPERT	2646.0	895.7	
32	SAGE FRED	NCC	SPORTSMAN	2644.0	895.1	
33	BUTOVICH DAVID	PSS	SPORTSMAN	2632.0	891.0	
34	PARSONS JIM	HSS	SPORTSMAN	2612.0	884.2	
35	CRANFORD KARL	DUST	SPORTSMAN	2608.0	882.9	
36	CLERX BEN	HSS	EXPERT	2608.0	882.9	
37	RITTER GEORGE	DUST	EXPERT	2570.0	870.0	
38	GATES MATT	HSS	EXPERT	2542.0	865.0	
39	STAIRS PETER	SPVF	SPORTSMAN	2538.0	859.2	
40	THOMAS ROSS	HSS	EXPERT	2530.0	858.5	
41	MELJA JOE	DUST	SPORTSMAN	2492.0	843.8	
42	TROUT CRAIG	NONE	SPORTSMAN	2482.0	840.2	
43	HOLLEY MARY	SWSA	EXPERT	2470.0	836.2	
44	DOUGLAS IAN	SWSA	EXPERT	2408.0	815.2	
45	LARSEN ORLA	DUST	EXPERT	2400.0	812.5	
46	HALL DAVID	DUST	SPORTSMAN	2392.0	809.7	
47	SMITH STEVE	DUST	SPORTSMAN	2356.0	797.6	
48	CHASTELER TOM	HSS	EXPERT	2312.0	782.7	
49	PETTEN MICHAEL	ISS	SPORTSMAN	2270.0	768.4	
50	JENKINS HARVEY	ISS	EXPERT	2230.0	754.9	
51	AKERS THOMAS	TOSS	SPORTSMAN	2202.0	745.4	
52	JOY BRYAN	HSS	SPORTSMAN	2154.0	729.2	
53	MCCOLGAN DON	SWSA	SPORTSMAN	2080.0	704.1	
54	HATCH JOEY	DUST	EXPERT	2064.0	698.7	
55	LONG DICK	DUST	SPORTSMAN	2058.0	696.7	
56	SADORF STAN	ISS	SPORTSMAN	2034.0	688.6	
57	KEIL DAVID	NCC	SPORTSMAN	2015.0	682.1	
58	HIGGINBOTHAM MARC	ISS	EXPERT	1952.0	660.8	
59	STROBEL RICH	TPG	SPORTSMAN	1900.0	643.2	
60	AVESON DAVID	SWSA	EXPERT	1848.0	624.9	
61	VAN GUNDEY DON	TPG	SPORTSMAN	1838.0	622.2	
62	MERENDA KEN	DUST	SPORTSMAN	1830.0	619.5	
63	DAVISON PAUL	DUST	SPORTSMAN	1698.0	574.8	
64	QUAYLE JACK	DUST	SPORTSMAN	1624.0	549.6	
65	MORRIS MILTON	SPVF	SPORTSMAN	1536.0	520.0	
66	GOODWIN BROWNE	MRCs	SPORTSMAN	1528.0	518.8	
67	ZINK DON	HSS	EXPERT	1478.0	500.3	
68	GORDON ALAN	DUST	SPORTSMAN	1398.0	473.3	
69	ANDREWS ROBERT	ISS	SPORTSMAN	1372.0	464.5	
70	FAULKENHAM RON	ISS	SPORTSMAN	1312.0	444.1	
71	NEHRING CURT	HSS	SPORTSMAN	1234.0	417.7	
72	CROOK JIM	ISS	SPORTSMAN	1158.0	392.0	
73	MORAN MYLES	TOSS	EXPERT	1064.0	367.0	
74	POWELL REX	DUST	SPORTSMAN	944.0	319.8	
75	COLLINS TAYLOR	SULA	SPORTSMAN	862.0	291.6	

*Norm Kutch advances to EXPERT

PLACE	NAME	CLUB	CLASS	SCORE
1	ATWELL BLAIR	DUST	EXPERT	3991.9
2	EDBERG DON	HSS	EXPERT	3850.0
3	REAGAN MIKE	TOSS	EXPERT	3881.0
4	CLERX BEN	HSS	EXPERT	3621.3
5	LEVOE MARK	PSS	EXPERT	3734.0
6	CHASTELER FRANK	HSS	EXPERT	3699.4
7	TILLMAN NORM	NCC	EXPERT	3697.1
8	GERBIN Jr ROBERT	HSS	EXPERT	3692.0
9	BLEDSOE RICH	TPG	EXPERT	3690.8
10	WEISMAN EDGAR	TOSS	EXPERT	3684.8
11	DOUGLAS IAN	SWSA	EXPERT	3598.9
12	JOY GEORGE	HSS	EXPERT	3544.8
13	JOY BRYAN	HSS	SPORTSMAN	3450.5
14	THOMAS ROSS	HSS	EXPERT	3444.1
15	KEIL DAVID	NCC	SPORTSMAN	3400.8
16	GATES MATT	HSS	EXPERT	3378.3
17	KUTCH NORM	HSS	EXPERT	3373.1
18	SPITZER GEORGE	PSS	SPORTSMAN	3347.0
19	BUTOVICH DAVID	PSS	SPORTSMAN	3296.2
20	VAN GUNDEY DON	TPG	SPORTSMAN	3280.3
21	MORAN MYLES	TOSS	EXPERT	3254.5
22	PARSONS JIM	HSS	SPORTSMAN	3188.7
23	MILLS ARCHIE	SULA	SPORTSMAN	2984.9
24	MARTIN TONY	HSS	EXPERT	2941.8
25	MATSUMOTO BEN	PSS	EXPERT	2929.1
27	SLIFF BOB	HSS	EXPERT	2879.2
34	LACKEY ROGER	HSS	SPORTSMAN	2760.2
40	GERMANE BRIAN	HSS	SPORTSMAN	2601.9
43	CRON AL	HSS	EXPERT	2491.4
49	GERBIN ROBERT	HSS	EXPERT	2228.0
50	YOUNG BRETT	HSS	SPORTSMAN	2002.9
68	NEHRING CURT	HSS	SPORTSMAN	1773.2
70	CHASTELER TOM	HSS	EXPERT	1724.5
71	POULSEN GORDON	HSS	EXPERT	1723.6
72	HENDRY STEVE	HSS	EXPERT	1717.7
82	ZINK DON	HSS	EXPERT	1536.3
93	GARNER RICH	HSS	EXPERT	1068.9
105	HARRIS PHIL	HSS	EXPERT	935.8
145	RICHARDS PETE	HSS	EXPERT	548.8
154	CHAMBERLAIN RALPH	HSS	SPORTSMAN	0.0

TEAM SCORES FOR D.U.S.T MAY CONTEST

HSS 17	DUST 19	PSS 6	ISS 10	TOSS 5	NCC 4
997.3	1000.0	995.3	993.2	972.2	981.0
994.8	943.1	918.1	960.7	955.0	904.5
989.2	928.2	912.7	913.3	914.7	895.1
888.5	920.1	901.8	768.4	745.4	682.1
3969.8	3791.4	3729.8	3835.8	3597.3	3462.7

TPG 5	SWSA 4	SPVF 2	SULA 2	MRCs 1	EDSF 0
668.2	836.2	859.2	914.0	516.6	
911.3	815.2	520.0	261.8		
908.6	704.1				
643.2	624.9				
3431.3	2980.4	1379.2	1205.8	516.6	0.0

SOUTHERN CALIFORNIA SOARING CLUBS
ANNUAL TEAM STANDINGS

AS OF MAY, 1991

H.S.S.	15,703.3
P.S.S.	15,058.9
T.O.S.S.	14,732.4
T.P.G.	14,208.5
N.C.C.	12,789.9
D.U.S.T.	11,898.2
S.U.L.A.	11,720.1
S.W.S.A.	11,702.9
I.S.S.	10,888.2
S.F.V.F.	7,903.3
E.D.S.F.	6,093.1
M.R.C.S.	2,998.8



HARBOR SOARING SOCIETY PRESENTS: **ELECTRIC/SAILPLANE TEAM CONTEST**

On June 23rd the Harbor Soaring Society will hold their 1ST ANNUAL (hopefully) ELECTRIC/SAILPLANE TEAM CONTEST. This will be a team event where each team will be made up of one electric pilot and one sailplane pilot.

TASK:

Task will be a 30 MINUTE ADD-EM-UP consisting of 6 flights with no individual flight over 7 minutes. Each flight will be flown to the nearest minute. Electrics will receive 25 landing bonus points for landing within a standard landing circle, sailplanes will receive landing bonus points according to where they land on a standard 100 point landing tape. Both the electric and the sailplane will fly 3 flights each. The electric will fly all three flights on ONE charge. The sailplane will be launched from 12V club winches. Flight points will be awarded 1 point per second of flight time (not including motor run on the electric). A pilot may only enter on one team and each team must consist of two individuals.

ELECTRIC REQUIREMENTS:

1. Any type of electric model may be entered. Sailplane, old timer, trainer, what ever the pilot feels comfortable with.
2. Maximum number of cells allowed in the battery pack will be 7.
3. NO 1700 SCE or 1800 SCR cells are permitted. Winners batteries will be subject to a discharge check.
4. The electric model may have any number of functions.

SAILPLANE REQUIREMENTS:

1. Sailplanes cannot have any type of power device to augment flight.
2. Sailplane can be any size from hand launch to cross country.
3. Sailplane may have any number of functions.
4. NO metal skids will be permitted.

AMA License Required

June 23rd, 1991

Fairview Regional Park, Costa Mesa, CA

Entry Fee: \$10.00 per team

Sign-Ups 8:00 A.M.-First Flight 9:00 A.M.

For More Info Call: John Lupperger after 5:00 P.M. (714) 646-5316

Trophies will be awarded to third place!



SOARING UNION OF LOS ANGELES



ANNOUNCES IT'S SC/2 R/C SOARING CONTEST

DATE: SUNDAY, JUNE 30, 1991, 9:00 A.M. PILOTS MEETING

C/D: JIM BARNHART (213) 421-3583

SULA PRESS: DAVE RICHARDS (213) 634-7775

LOCATION: CALIFORNIA STATE UNIVERSITY DOMINGUEZ HILLS,
CARSON, CA.

EVENTS: THREE ROUNDS PRECISION DURATION. MUST FLY ONE OF EACH TYPE.

3 MIN. SCORED 700 / FLIGHT 300 LANDING POINTS
5 MIN. SCORED 800 / FLIGHT 200 LANDING POINTS
7 MIN. SCORED 900 / FLIGHT 100 LANDING POINTS

LANDINGS: 50 FOOT DIAMETER CIRCLES
SURFACE - DIRT AND SCRUB GRASS

WINCHES: 12 VOLT WINCHES WITH RETRIEVERS
APPX. 900 FEET TO TURN AROUND

A.M.A. SANCTIONED \$ 6.00 ENTRY FEE 1991 RADIO RULES APPLY

JUNE 30, 1991 SULA FIELD

HOT DOGS & SODAS AVAILABLE ON THE FIELD.

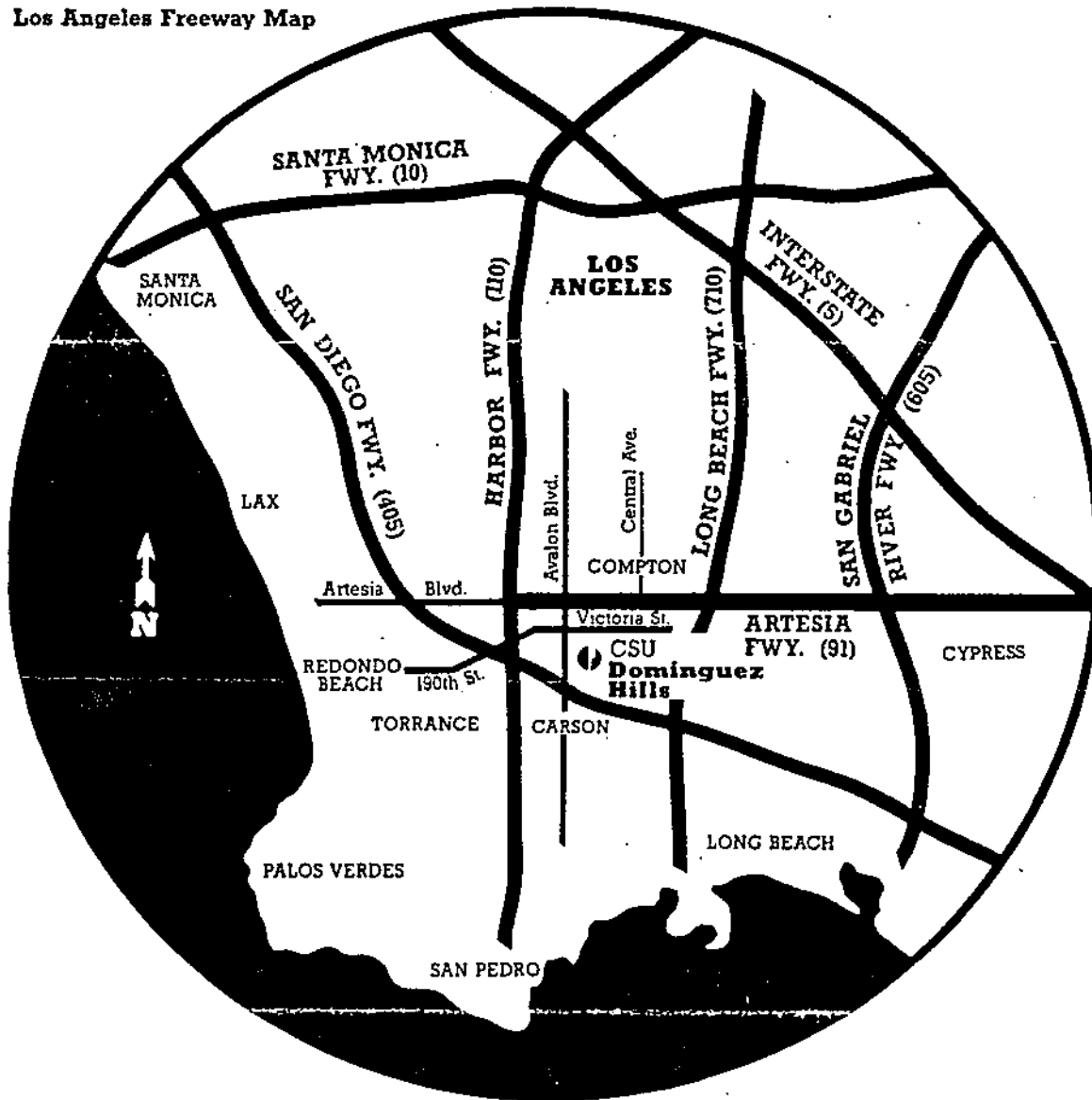
MAP ON BACK!!



California State University
Dominguez Hills

1000 East Victoria Street, Carson, CA 90747 • (213) 516-3300

Los Angeles Freeway Map



FROM LOS ANGELES CIVIC CENTER-110 SOUTH-Follow the Harbor Freeway (110) to the Artesia Freeway (91) east to Avalon Blvd. Take Avalon Blvd. south to Victoria Street, turn left. The entrance to campus is a right turn at Tamcliff Avenue.

FROM SAN FERNANDO VALLEY-405 SOUTH or 101 EAST-Follow the San Diego Freeway (405) south toward Long Beach. Exit on the Vermont Avenue off-ramp. Turn left (east) at the end of the off-ramp onto 190th Street. Follow 190th Street east for approximately two miles to the campus (190th Street becomes Victoria Street). The campus entrance is a right turn at Tamcliff Avenue, the first traffic signal past Avalon Blvd.,

FROM SANTA MONICA-10 EAST-Follow the Santa Monica Freeway (10) east to the San Diego Freeway (405) south toward Long Beach. Exit at the Vermont Avenue off-ramp. Turn left (east) at the end of the off-ramp onto 190th Street. Follow 190th Street east for approximately two miles to the campus (190th Street becomes Victoria Street). The campus entrance is a right turn at Tamcliff Avenue, the first traffic signal past Avalon Blvd.,

FROM SAN BERNARDINO-10 WEST-Follow the San Gabriel Freeway (605) south. Take the Artesia Freeway (91) west toward Redondo Beach. Exit on Central Avenue and turn right onto Victoria Street. The campus entrance is a left turn at Tamcliff Avenue, a traffic signal.

FROM ANAHEIM-5 NORTH-Follow the Santa Ana Freeway (5) north to the Artesia Freeway (91) west toward Redondo Beach. Exit on Central Avenue and turn right onto Victoria Street. The campus entrance is a left turn at Tamcliff Avenue, a traffic signal.

FROM SAN DIEGO-405 NORTH-Follow the San Diego Freeway (405) north toward Los Angeles to Avalon Blvd. (north) off-ramp. Take Avalon Blvd. north (right) to Victoria Street. Turn right (east) onto Victoria Street. The entrance to campus is a right turn at the next traffic signal, Tamcliff Avenue.

