

Harbor Soaring Society
P.O. Box 1673
Costa Mesa, CA 92626

FIRST CLASS MAIL

WILL CONRAD
9359 SHRIKE AVE
FOUNTAIN VALLEY , CA 92708

(The Soaring) Society Column

President:	Chris Hurley	(714) 458-9251
Vice Pres:	Roger Lowery	(714) 756-9356
Secretary:	Jared Stalls	(714) 722-1846
Treasurer:	Frank Chastler	(714) 545-2185
Contest Coord:	George Joy	(714) 556-6385
General Dir:	Ross Thomas	(714) 638-0705
News Letter Ed:	Bob Sliff	(714) 895-1203

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

December 1989

Volume 26 Number 12

December Club Meeting: The December club meeting will be held on Wednesday, December 6, 1989, 7:30 pm at the Consolidated Water District Office, 1965 Placentia Ave., Costa Mesa, Ca. Meeting Activity--Swap Meet. The Monthly club contest will be on the 10th of December, field conditions permitting.

January 1990 Club Meeting: The January club meeting will be held on Wednesday, January 3rd, 1990 at 7:30 pm at the Water District Office.

MINUTES HSS NOV 89 MEETING

NEW FACES: Chris Capp and his father Denny Capp.

A Treasurer's Report was given by Frank Chastler.

1. A Contest report was given by George Joy. George wants help with the SC2 contest. He also discussed the tasks for the SC2 contest.
2. Frank explained the protest on the Pasadena SC2 to members present.
3. Frank brought up doing another Lee Renaud contest in 1990. Morry Smith described the Lee Renaud Memorial for members' information. Last year all monies collected went to the Lee Renaud fund. The club voted positive.
 - a. Frank proposed a second SC2 contest for our club for this memorial, providing the SC2 clubs agree.
 - b. A third option is to hold a regular club contest.
 - c. Members present voted for the option of an SC2 contest. Frank will propose this to the SC2 clubs at the next SC2 meeting.
4. A dues structure for 1990 was proposed to be \$12.00 if paid by the first meeting in 1990, \$15.00 if paid after. Members present voted positive. New members joining after Nov. 1 will be paid through the following year.
5. Dick Pantzar told us he was "halfway" through the construction of the new club retriever. Pete Richardson mentioned the Bayle type retriever shown in the slope magazine. One of our club members may have one on order already.
6. Pete brought up the subject of the "Field Rules" sign that has not been completed yet. It was suggested that the sign used at Torrey Pines be copied for direction in making our sign. The club newsletter will have a sample set of rules for our members to make additions to or suggestions on to be sent back to the club.
7. The city of Costa Mesa is interested in doing some type of television documentary on the HSS club.
8. Futaba is sending our club a 5-channel FM radio to be used in our trainer program. It will be a 1991 Dual Conversion type.
9. The club will pay for trophies for the Top-10 Club fliers and the Top-3 2-Meter fliers. Members present voted to pay for the trophies.

*****SWAP MEET NEXT MONTH!!!*****

Meeting Adjourned

Ross Thomas

1990 CLUB ELECTIONS

Pres: George Joy--Unanimous vote
V.P.: Rich Garner--Unanimous vote
Secretary: John Lassiter--Unanimous vote
Treasurer: Frank Chastler--Unanimous vote
Newsletter Editor: Bob Sliff--Unanimous vote
Contest Coordinator: Ross Thomas--Unanimous vote
Gen. Dir: Jared Stalls--13; Roger Lowery--7
Jared Stalls will be the General Director

HSS CONTEST DEPARTMENT

George Joy, Contest Coordinator

The following contest schedule is complete to the best of my knowledge.

DAY	MONTH	C. D. OR INFORMATION
10	DEC	Steve Fink (HSS Monthly)
18	FEB 90	F.Chasteler (F3E Electric)

**MEETING ACTIVITIES:
DECEMBER MEETING--MEMBER SWAP MEET.**

HSS DECEMBER 10, 1989

CONTEST FORMAT

STEVE FINK--C.D.

FOUR ROUNDS OF FLYING:

2-3 MIN. DURATION WITH IN OR OUT LANDING

2-5 MIN. DURATION WITH IN OR OUT LANDING

EACH LANDING IS WORTH 10 POINTS IF AT 75 OR ABOVE ON LANDING TAPE. 74 POINTS AND BELOW EQUALS ZERO POINTS

TOTAL POINTS AVAILABLE FOR ALL FOUR ROUNDS EQUALS 1000.

EACH ROUND WILL BE OPEN FLIGHT ORDER. EACH ROUND WILL HAVE A TIME LIMIT. NO MAN ON MAN.

Harbor Soaring Society

November Monthly Contest Results Open Division

	Name	Actual Score	Normal Score	Class	Trophy
1	FINK, S	2,911.7	1,000.0	A	E-1
2	LOWERY, R	2,802.8	962.6	A	E-2
3	CHASTELER, F	2,802.5	962.5	E	E-3
4	MEIENBERG, K	2,742.9	942.0	E	
5	HARRIS, P	2,726.9	936.5	E	
6	POULSEN, G	2,636.7	905.6	E	
7	ZINK, D	2,634.6	904.8	S	A-1
8	THOMAS, R	2,560.4	879.3	E	
9	DANRICH, D	2,526.7	867.8	S	A-2
10	RITSCHKE, G	2,466.0	846.9	E	
11	NEMECEK, D	2,445.6	839.9	A	
12	FINK, D	2,382.1	818.1	E	
13	RICHARDSON, P	2,366.5	812.8	E	
14	SANDRONI, H	2,183.4	749.9	S	S-1
15	JOY, G	2,157.7	741.0	E	
16	WHITE, L	2,153.6	739.6	A	
17	LAMPRECHT, D	2,131.0	731.9	E	
18	PUCHALSKI, M	2,047.3	703.1	G	
19	ADDIS, S	2,047.1	703.1	G	
20	PARSONS, J	1,998.4	686.3	S	S-2
21	LONG, D	1,931.4	663.3	G	
22	CRON, A	1,921.4	659.9	A	
23	GARNER, R	1,506.7	517.5	E	
24	DURHAM, J	1,353.3	464.8	E	
25	KUTCH, N	1,304.4	448.0	A	
26	BONANNO, T	1,242.1	426.6	G	
27	STOVALL, L	1,164.3	399.9	S	
28	BUZOLICH, N	893.8	307.0	S	
29	PANTZAR, D	837.2	287.5	E	
30	HENDRY, S	772.5	265.3	S	

November Monthly Contest Results 2 Meter Division

	Name	Actual Score	Normal Score
1	ADDIS, S	2,818.1	1,000.0
2	LAMPRECHT, D	2,620.6	929.9
3	FINK, S	2,481.3	880.5
4	WHITE, L	2,275.7	807.5
5	LONG, D	2,196.5	779.4
6	RICHARDSON, P	2,133.3	757.0
7	JOY, G	2,069.6	734.4
8	THOMAS, R	2,019.3	716.5
9	PARSONS, J	1,538.4	545.9
10	HENDRY, S	1,397.5	495.9
11	POULSEN, G	1,323.9	469.8
12	BONANNO, T	1,223.7	434.2
13	KUTCH, N	1,205.0	427.6
14	SANDRONI, H	1,156.2	410.3
15	BUZOLICH, N	1,052.9	373.6
16	STOVALL, L	928.0	329.3

Harbor Soaring Society

Yearly Standings - Open Division Through November

	Name	Score	Average	Contests
1	HARRIS, P	7,946.6	993.3	8
2	MARTIN, T	7,823.6	978.0	8
3	CHASTELER, F	7,781.1	972.6	8
4	GARNER, R	7,695.7	962.0	8
5	WHITE, L	7,480.1	935.0	8
6	LOWERY, R	7,455.5	931.9	8
7	RICHARDSON, P	7,357.8	919.7	8
8	SLIFF, B	7,274.3	909.3	8
9	HURLEY, C	7,230.3	903.8	8
10	RITSCHKE, G	7,068.9	883.6	8
11	PANTZAR, D	7,045.4	880.7	8
12	NEMECEK, D	7,044.7	880.6	8
13	STALLS, J	6,850.7	856.3	8
14	JOY, G	6,807.8	851.0	8
15	THOMAS, R	6,584.6	823.1	8
16	POULSEN, G	6,087.8	869.7	7
17	DANRICH, D	5,831.9	833.1	7
18	BELL, S	5,613.1	801.9	7
19	FINK, S	5,213.4	868.9	6
20	HENDRY, S	5,207.5	650.9	8
21	SANDRONI, H	5,197.9	742.6	7
22	CRON, A	5,085.8	726.5	7
23	ZINK, D	4,947.1	824.5	6
24	LAMPRECHT, D	4,862.1	810.4	6
25	LUPPERGER, J	4,691.0	938.2	5
26	CONRAD, W	4,657.7	776.3	6
27	KUTCH, N	3,977.2	662.9	6
28	STOVALL, W	3,915.0	783.0	5
29	RANDOLPH, W	2,526.4	842.1	3
30	BUZOLICH, N	2,343.4	585.9	4
31	SMITH, M	2,327.5	775.8	3
32	GIBBS, D	1,885.7	942.9	2
33	LASATER, J	1,807.8	903.9	2
34	CHASTELER, T	1,537.4	768.7	2
35	ENGER, L	1,528.3	764.2	2
36	PARSONS, J	1,480.6	740.3	2
37	DEE, M	943.8	943.8	1
38	HALL, H	909.5	909.5	1
39	LEE, T	818.6	818.6	1
40	BRIDGEMAN, J	796.8	796.8	1
41	QUISENBERRY, J	689.2	689.2	1
42	EGOLF, D	686.8	686.8	1
43	WEBSTER, D	599.2	599.2	1
44	STOVALL, L	598.2	299.1	2
45	WENTWORTH, C	552.4	552.4	1
46	GERMANE, B	485.7	485.7	1

Yearly Standings - 2 Meter Division Through November

	Name	Score	Avg	Contests
1	WHITE, L	7,546.6	943.3	8
2	SLIFF, B	7,435.8	929.5	8
3	THOMAS, R	7,353.6	919.2	8
4	HURLEY, C	7,180.0	897.5	8
5	JOY, G	6,795.8	849.5	8
6	BELL, S	6,072.5	867.5	7
7	POULSEN, G	5,852.7	836.1	7
8	LAMPRECHT, D	5,720.0	953.3	6
9	STALLS, J	5,308.6	884.8	6
10	CONRAD, W	5,138.8	856.5	6
11	LUPPERGER, J	4,522.2	904.4	5
12	HALL, H	3,503.5	875.9	4
13	FINK, S	3,276.6	819.2	4
14	KUTCH, N	3,180.1	636.0	5
15	RICHARDSON, P	2,400.9	800.3	3
16	LASATER, J	1,944.9	648.3	3
17	BUZOLICH, N	1,813.3	604.4	3
18	LOWERY, R	1,672.3	836.2	2
19	FINK, D	1,642.4	821.2	2
20	HENDRY, S	1,576.2	525.4	3
21	CRON, A	1,270.2	635.1	2
22	QUISENBERRY, J	868.7	868.7	1
23	ZINK, D	814.1	814.1	1
24	ENGER, L	702.8	702.8	1
25	PARSONS, J	545.9	545.9	1
26	SANDRONI, H	410.3	410.3	1
27	STOVALL, L	329.3	329.3	1

SOUTHERN CALIFORNIA SOARING CLUBS

RESULTS OF HSS (SC)2 CONTEST OF 11/19/89

CONTEST DIRECTOR - GEORGE JOY

PL	NAME	CLUB	CLASS	SCORE	NORMAL	TROPHY
1	MORAN, MYLES	TOSS	EXPERT	2934.5	1000.0	E-1
2	BRATRUD, RANDY	NONE	EXPERT	2881.4	981.9	E-2
3	HARRIS, PHIL	HSS	EXPERT	2866.7	976.9	E-3
4	WURTS, JOE	TOSS	EXPERT	2853.0	972.2	E-4
5	CLIFTON, GLENN	SWSA	SPORTS	2830.6	964.6	E-5
6	MARTIN, TONY	HSS	EXPERT	2810.7	957.8	
7	JOY, GEORGE	HSS	EXPERT	2763.0	941.6	
8	BRANDT, DENNIS	NONE	EXPERT	2754.6	938.7	
9	CHASTLER, TOM	HSS	EXPERT	2715.2	925.3	
10	JENKINS, HARVEY	SWSA	SPORTS	2700.7	920.3	S-1
11	EDBERG, DON	PSS	EXPERT	2672.4	910.7	
12	NEMECEK, DAVE	HSS	SPORTS	2623.9	894.2	S-2
13	BURNS, RICHARD	PSS	EXPERT	2592.5	883.5	
14	SLIFF, BOB	HSS	EXPERT	2583.3	880.3	
15	CHASTELER, FRANK	HSS	EXPERT	2545.0	867.3	
16	ATWELL, BLAIR	SULA	EXPERT	2544.2	867.0	
17	LOWERY, RODGER	HSS	SPORTS	2536.6	864.4	S-3
18	MEIENBERG, KEN	SULA	EXPERT	2521.7	859.3	
19	FINK, DAN	SULA	EXPERT	2499.9	851.9	
20	MATSUMOTO, BEN	PSS	EXPERT	2478.3	847.6	
21	HOLLEY, MARY	SWSA	SPORTS	2481.6	845.7	
22	BILLMAN, TODD	PSS	EXPERT	2463.8	839.6	
23	SIREN, JAY	PSS	EXPERT	2449.3	834.7	
24	WHITE, LARRY	HSS	SPORTS	2447.0	833.9	
25	RICHARDSON, PETE	HSS	EXPERT	2423.7	825.9	
26	SANDRONI, HUGO	SULA	SPORTS	2399.5	817.7	
27	KUTCH, NORM	HSS	SPORTS	2354.0	802.2	
28	PANZAR, DICK	HSS	EXPERT	2349.3	800.6	
29	DOIG, AL	NCC	EXPERT	2342.9	798.4	
30	McNAMEE, ART	TOSS	SPORTS	2306.1	785.9	
31	GRISWOLD, CHUCK	TOSS	EXPERT	2291.6	780.9	
32	PUCHALSKI, MARK	SULA	SPORTS	2269.2	773.3	
33	BOTKIN, VINCENT	ELDOR	SPORTS	2264.9	771.8	
34	VICKERS, DON	SULA	EXPERT	2259.3	769.9	
35	NEWLOVE, JACK	NCC	SPORTS	2253.2	767.8	
36	STAFFORD, IRV	NCC	EXPERT	2245.6	765.2	
37	STALLS, JARED	HSS	EXPERT	2240.2	763.4	
38	BUTKOVICH, DAVID	PSS	SPORTS	2231.5	760.4	
39	HENDRICKSON, ERIC	TOSS	EXPERT	2199.7	749.6	
40	FINKENBINER, KETHI	NCC	EXPERT	2178.9	742.5	
41	INGEBRITSON, GORDON	SWSA	SPORTS	2143.1	730.3	
42	AMIES, JOHN	HSS	SPORTS	2125.9	724.5	
43	HENDRY, STEVE	HSS	SPORTS	2028.5	691.3	
44	ZINK, DON	HSS	EXPERT	2006.2	683.7	
45	OLDENBERG, ED	TOSS	EXPERT	1984.3	676.2	
46	GIBBS, DUANE	HSS	SPORTS	1964.6	669.5	
47	CONRAD, WILL	HSS	SPORTS	1928.0	657.0	
48	DOUGLAS, IAN	PSS	EXPERT	1913.0	651.9	
49	OLSEN, ROBIN	SWSA	SPORTS	1891.3	644.5	
50	LUPPERGER, JOHN	HSS	EXPERT	1809.9	616.8	
51	THOMAS, ROSS	HSS	EXPERT	1789.0	609.6	
52	PERKINS, DARYL	PSS	EXPERT	1779.3	606.3	
53	RODIGUEZ, JOE	ISS	SPORTS	1676.1	571.2	
54	CRON, AL	HSS	EXPERT	1521.5	518.5	
55	SMITH, MIKE	NCC	EXPERT	1471.7	501.5	
56	GARNER, RICH	HSS	EXPERT	1464.0	498.9	
57	PETERSEN, LES	SWSA	SPORTS	1399.7	477.0	
58	RATNER, MIKE	PSS	SPORTS	1252.2	426.7	
59	OLSEN, PETE	SWSA	SPORTS	1157.5	394.4	
60	PARSONS, JIM	HSS	SPORTS	968.3	330.0	
61	TILLMAN, NORM	NCC	EXPERT	830.2	282.9	
62	DANRICH, DAN	HSS	SPORTS	792.0	269.9	
63	BUZOLICH, NICK	HSS	SPORTS	369.4	125.9	

SOUTHERN CALIFORNIA SOARING CLUBS

RESULTS OF HSS (SC)2 CONTEST 11/19/89

TEAM SCORES

HSS--25	TOSS--6	PSS--9	SWSA--7	SULA--6	NCC--6	ISS--1
976.9	1000.0	910.7	964.6	867.0	798.4	571.2
957.8	972.2	883.5	920.3	859.3	767.8	
941.6	785.9	847.6	845.7	851.9	765.2	
925.3	780.9	839.6	730.3	817.7	742.5	
3801.6	3539.0	3481.4	3460.9	3395.9	3073.9	571.2

SOUTHERN CALIFORNIA SOARING CLUBS

1989 ANNUAL STANDINGS--FINAL

PL	NAME	STATUS	CLUB	CONTESTS	SCORE	AVG.
1	WURTS, J	EXPERT	TOSS	5	4924.2	984.8
2	MARTIN, T	EXPERT	HSS	5	4817.0	963.4
3	MORAN, M	EXPERT	TOSS	5	4785.1	957.0
4	FINK, D	EXPERT	SULA	5	4749.8	950.0
5	HENDRICKSON, F	EXPERT	TOSS	5	4617.8	923.6
6	GARNER, R	EXPERT	HSS	5	4608.4	921.7
7	STALLS, J	EXPERT	HSS	5	4600.9	920.2
8	SLIFF, B	EXPERT	HSS	5	4569.4	913.9
9	GRISWOLD, C	EXPERT	TOSS	5	4533.2	906.6
10	JENKINS, H	EXPERT	SWSA	5	4434.1	886.8
11	JOY, G	EXPERT	HSS	5	4386.9	877.4
12	RICHARDSON, P	EXPERT	HSS	5	4386.7	877.4
13	McNAMEE, A	SPORTS	TOSS	5	4333.8	866.8
14	SANDRONI, H	SPORTS	SULA	5	4254.9	851.0
15	ZINK, D	EXPERT	HSS	5	4251.1	850.2
16	CRON, A	EXPERT	HSS	5	4207.1	841.4
17	OLDENBERG, E	EXPERT	TOSS	5	4182.2	836.4
18	HOLLEY, M	SPORTS	SWSA	5	4072.3	814.5
19	STAFFORD, I	EXPERT	NCC	5	4051.0	810.2
20	CHASTELER, F	EXPERT	HSS	5	3963.1	792.6
21	DOUGLAS, I	EXPERT	PSS	5	3740.7	748.1
22	EDBERG, D	EXPERT	PSS	4	3736.8	934.2
23	ATWELL, B	EXPERT	SULA	4	3614.4	903.6
24	MATSUMOTO, B	EXPERT	PSS	4	3598.8	899.7
25	MEIENBERG, K	EXPERT	SULA	4	3568.3	892.1
26	SIREN, J	EXPERT	PSS	4	3487.6	871.9
27	TILLMAN, N	EXPERT	NCC	5	3305.4	661.1
28	SMITH, M	EXPERT	NCC	4	3293.5	823.4
29	OLSEN, P	SPORTS	SWSA	5	3272.3	654.5
30	BURNS, R	EXPERT	PSS	4	3246.8	811.7
31	HARRIS, P	EXPERT	HSS	4	3191.3	797.8
32	DOIG, A	EXPERT	NCC	4	3151.4	787.9
33	VICKERS, D	EXPERT	SULA	4	3120.7	780.2
34	THOMAS, R	EXPERT	HSS	4	3040.9	760.2
35	RATNER, M	SPORTS	PSS	4	2989.6	747.4
36	OLSEN, R	SPORTS	SWSA	4	2956.1	739.0
37	LUEKEN, J	EXPERT	NCC	3	2905.1	968.4
38	RAYMOND, K	EXPERT	NCC	3	2832.5	944.2
39	BILLMAN, T	EXPERT	PSS	3	2761.3	920.4
40	SPENCER, R	EXPERT	SULA	3	2745.8	915.3
41	BITZBERGER, J	SPORTS	SWSA	3	2680.3	893.4
42	FINK, S	SPORTS	SULA	3	2597.5	865.8
43	BOTKIN, V	SPORTS	ELDOR	3	2521.9	840.6
44	CHASTELER, T	EXPERT	HSS	3	2417.1	805.7
45	HENDRY, S	SPORTS	HSS	3	2411.2	803.7

46 BUTKOVICH, D	SPORTS	PSS	3	2328.7	776.2
47 FINKENBINER, K	EXPERT	NCC	3	2284.7	761.6
48 DANRICH, D	SPORTS	HSS	4	2273.9	568.5
49 LASATTER, J	SPORTS	HSS	3	2271.3	757.1
50 RODRIGUEZ, J	SPORTS	ISS	3	2114.6	704.9
51 WEISMAN, E	SPORTS	TOSS	3	2110.4	703.5
52 CONRAD, W	SPORTS	HSS	3	2081.0	693.7
53 PETERSEN, L	SPORTS	SWSA	3	1980.5	660.2
54 BONANNO, T	SPORTS	SULA	2	1872.9	936.5
55 CLARK, D	EXPERT	NCC	2	1837.1	918.6
56 CLIFTON, G	SPORTS	SWSA	2	1807.9	904.0
57 SHELBY, R	SPORTS	SWSA	2	1796.3	898.2
58 STARK, T	EXPERT	PSS	2	1795.8	897.9
59 WHITE, L	SPORTS	HSS	2	1771.2	885.6
60 PUCHALSKI, M	SPORTS	SULA	2	1767.3	883.7
61 NUTTER, D	EXPERT	PSS	2	1734.1	867.1
62 LOWERY, R	EXPERT	HSS	2	1731.4	865.7
63 DAVIS, J	SPORTS	SWSA	2	1634.7	817.4
64 WILSON, D	SPORTS	ELDOR	2	1599.5	799.8
65 PETTEN, M	SPORTS	SWSA	2	1589.9	795.0
66 FEDELLECK, J	EXPERT	SULA	2	1588.7	794.4
67 NEWLOVE, J	SPORTS	NCC	2	1576.2	788.1
68 KUTCH, N	SPORTS	HSS	2	1557.6	778.8
69 AKER, I	EXPERT	SULA	2	1556.7	778.4
70 ANDERSON, G	SPORTS	NONE	2	1531.1	765.6
71 GLASS, R	SPORTS	PSS	2	1506.1	753.1
72 GOLDSMITH, B	SPORTS	TOSS	2	1478.5	739.3
73 BATES, J	SPORTS	NCC	2	1475.7	737.9
74 INGEBRITSON, G	SPORTS	SWSA	2	1465.4	732.7
75 PERKINS, D	EXPERT	PSS	2	1452.3	726.2
76 PANTZAR, D	EXPERT	HSS	2	1328.5	664.3
77 POULSON, G	EXPERT	HSS	2	1245.1	622.6
78 SMITH, J	EXPERT	PSS	2	1140.6	570.3
79 KOPLAN, T	EXPERT	TOSS	1	989.9	989.9
80 BRATRUD, R	EXPERT	NONE	1	981.9	981.9
81 JOLLY, L	EXPERT	SULA	1	980.2	980.2
82 NORTHERN, D	EXPERT	TOSS	1	967.5	967.5
83 BRANDT, D	EXPERT	NONE	1	938.7	938.7
84 McCOLGAN, D	SPORTS	SWSA	1	926.1	926.1
85 KEIL, D	SPORTS	NCC	1	923.5	923.5
86 CHASTAIN, B	SPORTS	PSS	1	922.5	922.5
87 HODGES, F	SPORTS	NCC	1	920.4	920.4
88 BENZ, D	SPORTS	ISS	1	901.0	901.0
89 PARSONS, J	SPORTS	HSS	2	901.0	450.5
90 McNAMEE, D	SPORTS	TOSS	1	898.6	898.6
91 ROBERTS, G	EXPERT	PSS	1	897.6	897.6
92 NEMECEK, D	EXPERT	HSS	1	894.2	894.2
93 MEININEER, T	EXPERT	PSS	1	874.0	874.0
94 SCHWEMMER, K	SPORTS	NCC	1	871.9	871.9
95 LANDRETH, D	EXPERT	SWSA	1	868.6	868.6
96 STAHLHEBER, F	EXPERT	NCC	1	865.2	865.2
97 COHEN, R	SPORTS	ELDOR	1	853.0	853.0
98 ADDIS, S	EXPERT	SULA	1	851.6	851.6
99 GATTI, M	SPORTS	PSS	1	848.4	848.4
100 HIGGINBOTHAM, M	EXPERT	ISS	1	843.4	843.4
101 HUNTER, J	EXPERT	NCC	1	839.2	839.2
102 BROOKS, N	SPORTS	PSS	1	837.4	837.4
103 GILLETTE, R	SPORTS	ELDOR	1	833.9	833.9
104 SADORF, S	SPORTS	ISS	1	827.3	827.3
105 STOVALL, W	SPORTS	HSS	1	825.7	825.7
106 McGUIRE, J	SPORTS	SWSA	1	815.4	815.4
107 PROVIN, K	EXPERT	SULA	1	813.2	813.2
108 CHASTAIN, R	SPORTS	PSS	1	796.9	796.9
109 MORRISSEY, N	SPORTS	ELDOR	1	763.2	763.2
110 STEVENS, J	EXPERT	SULA	1	755.5	755.5
111 HOWELL, J	SPORTS	ELDOR	1	752.0	752.0
112 BAUDER, K	SPORTS	ISS	1	750.3	750.3
113 GILMAN, R	EXPERT	NCC	1	746.5	746.5
114 SHORT, H	EXPERT	SULA	1	737.9	737.9

115 OLSEN, H	SPORTS	SULA	1	729.0	729.0
116 DREWRY, B	SPORTS	PSS	1	727.0	727.0
117 AMIES, J	SPORTS	HSS	1	724.5	724.5
118 MANGINO, G	SPORTS	SWSA	1	696.7	696.7
119 HALLFORD, P	SPORTS	PSS	1	695.2	695.2
120 STOWERS, R	EXPERT	SULA	1	680.6	680.6
121 GIBBS, D	SPORTS	HSS	1	669.5	669.5
122 SILVA, M	SPORTS	ISS	1	653.5	653.5
123 SHAW, B	SPORTS	NONE	1	630.0	630.0
124 LUPPERGER, J	EXPERT	HSS	1	616.8	616.8
125 FARLESS, D	EXPERT	PSS	1	603.4	603.4
126 LEPPLA, F	EXPERT	PSS	1	595.7	595.7
127 BECK, R	SPORTS	NCC	1	592.3	592.3
128 STOKER, P	EXPERT	SULA	1	578.0	578.0
129 FORD, G	EXPERT	SULA	1	577.1	577.1
130 DURHAM, J	EXPERT	NONE	1	562.5	562.5
131 LONG, D	SPORTS	SULA	1	545.8	545.8
132 DeGREVE, P	SPORTS	PSS	1	488.9	488.9
133 BLAKKOLB, B	EXPERT	NONE	1	438.9	438.9
134 GRISANTI, P	SPORTS	NONE	1	429.7	429.7
135 CAMERON, S	SPORTS	NONE	1	417.2	417.2
136 JONES, D	SPORTS	SULA	1	397.4	397.4
137 BUZOLICH, N	SPORTS	HSS	2	343.8	171.9
138 SHAW, B	SPORTS	NONE	1	313.6	313.6
139 KELLER, J	SPORTS	SWSA	1	290.2	290.2
140 PARRA, J	SPORTS	TOSS	1	288.5	288.5
141 LaBARRE, R	SPORTS	NCC	1	104.3	104.3
142 JONAS, T	SPORTS	NCC	1	0.0	0.0
142 WARNER, G	SPORTS	NCC	1	0.0	0.0

TEAM FINALS 1989

HSS--23,058.0
 TOSS--22,504.2
 SULA--21,830.5
 PSS--19,228.8
 NCC--17,550.4
 SWSA--17,233.3
 ISS--7,188.8

HOW TO CUT OUT SMALL PARTS

by Gene Nevin

Eastern Iowa Soaring Society

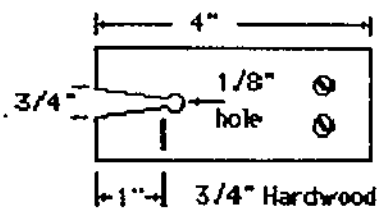
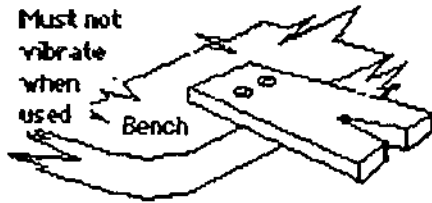
Extracted from TOSS Newsletter

Chuck Griswold—Editor

Here's how to cut small Fiberglass rudder and aileron horns from 1/16" stock. In 1954, a jeweler showed me how to cut small metal parts using a fine tooth saw. The secret is to use a rigid small board (see sketch), which I call a jeweler helper. The helper should be fastened to a base that is stable and solid, if at all possible, at shoulder height when sitting down. This will reduce the eye and back strain. Make sure the material you are cutting is flush on

fasten end of jeweler helper to bench with screws or "C" clamp, securely.

Must not vibrate when used



the helper. Using a jeweler's saw with the teeth pointing toward the handle, cut your material by drawing down. Cut on the down stroke only. Cut into the 1/8" hole, then move the saw out and continue the cut toward the hole. If you are cutting a curve, just rotate the material on the surface of the helper. The helper gives the material rigid support and reduces the strain on the blade. With practice, you'll be able to cut very thin and small pieces.

To drill small holes in the Fiberglass horns, I cut a piece of music wire from the same wire I use to make the Z-bend. This piece of wire is about one inch long. It is chucked up in an electric drill with about 1/8" projection, center-punch the hole. This will give you a very close tolerance hole, with no slop.

Saw teeth must face downward and you must cut on the down stroke only.

Gene

**** ELECTRIC FLIGHT ****

FAI

F3E

CONTEST

FOR 7 CELL AND OPEN CLASS MODELS

FLOWN TO CURRENT 1989-90 FAI RULES

SATURDAY, FEBRUARY 17, 1990

ON THE 17TH OF FEBRUARY, THE HARBOR SOARING SOCIETY WILL HOST AN F3E CONTEST FOR 7 CELL AND OPEN CLASS MODELS. RULES FOR BOTH CLASSES WILL BE THE CURRENT FAI RULES, EXCEPT THAT A JURY WILL NOT BE APPOINTED. ALSO, FLYER CALL UP SEQUENCE WILL BE POSTED, AND THE FLYER WILL BE RESPONSIBLE TO BE READY WHEN HIS TURN COMES UP.

BOTH CLASSES WILL BE FLOWN, BUT FLYERS MAY ENTER ONLY ONE CLASS. (THAT IS, EITHER 7 CELL OR OPEN, BUT NOT BOTH.)

THE PURPOSE IS TO STIMULATE MORE INTEREST IN F3E AND TO OFFER INTERESTED CLUB MEMBERS AND OTHER FLYERS THE OPPORTUNITY TO COMPETE IN THE EVENT. (FOR THOSE WHO BUILT AND FLEW AT THE 7 CELL EVENT IN AUGUST, NOW YOU CAN ENGAGE IN SOME ADDED ACTIVITY.)

DUE TO THE NUMBER OF OFFICIALS REQUIRED, FLYERS WILL HAVE TO HELP DURING SOME ROUNDS. (WE EXPECT TO SPLIT FLYERS UP INTO GROUPS, WHERE ON AT LEAST ONE ROUND FLYERS WILL TIME OR SIGNAL TURNS RATHER THAN FLY. BUT, ALL FLYERS WILL HAVE FLOWN THE SAME NUMBER OF ROUNDS BY THE END OF THE CONTEST.)

THE CONTEST DIRECTOR WILL BE FRANK CHASTELER.

THE CONTEST WILL BE AMA SANCTIONED

AWARDS WILL BE TROPHIES TO THIRD PLACE IN EACH CLASS

ENTRY FEES FOR THE EVENT WILL BE \$5.00 PER ENTRANT. [PRE-ENTRIES SUGGESTED TO ASSURE R/C FREQUENCY AVAILABILITY.] SENT TO HSS P.O. BOX 1673, COSTA MESA, CA 92626.

PLACE: HSS (MAC FREED MEMORIAL) FIELD, FAIRVIEW CITY PARK, COSTA MESA, CA, NEAR ESTANCIA HIGH SCHOOL

DATE: SATURDAY, FEB 17 1990

TIME: PILOTS MEETING 0830, FIRST FLIGHT 0900

RULES: HSS CLUB SAFETY RULES, AMA SAFETY RULES, FAI SAFETY AND F3E RULES.

CONTACT EITHER:

FRANK CHASTLER --(714) 545-2185

OR

BOB SLIFF --(714) 895-1203