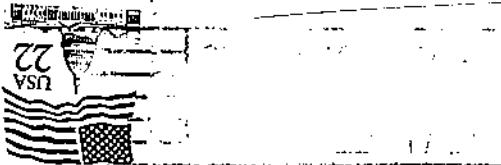


COSTA MESA, CA. 92628
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Fountain Valley, California
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To



The Society Column

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848-2181

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637-2704

VICE PRES. Fred Biddle
970-7207

CONTEST DIRECTOR Frank Chasteler
545-2185

SECRETARY Jack Durham
968-7514

GENERAL DIRECTOR Frank Colver
546-9647

"The Oldest A.M.A. Sanctioned Soaring Club In The World"

April 1985

Volume 24 Number 4

MAY MEETING

The May meeting is to be held on Wednesday May 1, 1985 at 7:30 P.M. Place is the Consolidated Water District office of Costa Mesa, Calif., 1965 Placencia Avenue.

JUNE MEETING

June meeting will be held on Wednesday June 5, 1985 at 7:30 P.M. Consolidated Water District office of Costa Mesa, California at 1965 Placentia Avenue.

COMING EVENTS

May 01.....H.S.S. Club Meeting
 04.....H.S.S. Thermal Contest.
 19.....H.S.S. Electric Contest
 25.....SC² Contest at PSA

June 5.....H.S.S. Club Meeting
 22.....Northern Contest (Sacramento)
 23.....Northern Contest (. Sacramento)
 30.....SC² Contest H.S.S. and H.S.S. Club contest.

SC² CALENDAR

May 25.....SC² PSA
 June 30.....SC² HSS
 JulyNone
 AugustNone
 September 29..SC² ISS
 October 27....SC² NCC
 NovemberNone
 December.....None

H.S.S. MAY CONTEST

Contest will be 4 flights counting the best 3 consisting of 2 # A's and 1 # B. Flights may be done in any order.

Fight "A" = 3 minutes precision (Bell Curve) (Task T5)
 500 flight / 500 landing using 25' Radius circle.

Flight "B"= 5 minutes duration with a precision landing.
 900 flight/100 landing using 25' Radius circle.

C.D. Frank Chastler May 4th Contest.

C.D. Don Nigg June 9 th Contest. 3 Rounds Man-On-Man
 H.S.S. May 19, 1985
Electric Contest

Single Battery Charge for 3 flights and glide time only for 20 minutes.
 No flight over 8½ minites. Flights over 8½ minutes will be scored as 5 minutes. Motor Run as long and as many times as pilot wishes.
 Stop timing during motor runs. Must land in landing area for flight to count. No motor run during last minute of flight . "That is no motor runs after 7½ minutes for flights 1 and 2, and in flight 3 after a total of 19 minutes.

Pilot meeting 8:45 SHARP!! Called flight order starting 9:00.

Have batteries charged or take a 0 for the first round.

C.D. Frank Chastler.

H.S. S. CONTEST IV RESULTS (APRIL) 1985

		MASTER	EXPERT	ADVANCED	SPORTS- MAN	TROPHY WINNERS
1- POULSEN	2778		1000			1-E
2- LUPPERGER	2748			989		2-E
3- F. CHASTELER	2738	986				
4- NIGG	2721			979		1-A
5- HEACOX	2656		956			
6- MARTIN	2633			948		2-A
7- FRYE	2614			941		
8- SMITH	2595			934		
9- RICHARDSON	2586			931		
10- T. CHASTELER	2539	914				
11- BIDDLE	2499			900		
12- RASH	2465			887		
13- DURHAM	2446		880			
14- HALL	2336			841		
15- LAMPRECHT	2201			792		
ANDERSON	2152				775	1-S
17- PANTZAR	2112			760		
18- FORREY	2075			747		
19- AMIES	2032		731			
20- CRON	1692				609	2-S
21- MITCHELL	1640			590		
22- CONRAD	1636				589	
23- MANNING	1554				559	
24- DOW	1530				551	
25- SLIFF	1429			514		

ANDERSON HAS MOVED TO ADVANCED CLASS

H. S. S. 1985 YEAR-END STANDINGS
(BEST 3 OF 4 CONTESTS)

1-	HEACOX	2905	
2-	LUPPERGER	2895	
3-	NIGG	2883	
4-	SMITH	2877	
5-	RASH	2871	
6-	F. CHASTELER	2845	
7-	T. CHASTELER	2840	
8-	POULSEN	2812	
9-	PANTZAR	2801	
10-	FRYE	2781	
11-	AMIES	2745	
12-	MITCHELL	2736	
13-	DURHAM	2729	} TIE
14-	BIDDLE	2729	
15-	MARTIN	2717	
16-	RITSCHKE	2706	
17-	HALL	2703	
18-	LAMPRECHT	2647	
19-	CRON	2631	
20-	RICHARDSON	2608	
21-	ANDERSON	2421	
22-	MANNING	2191	
23-	GARNER	2000	
24-	WHYTE	1975	
25-	CONRAD	1945	
26-	R. GERBIN	1784	
27-	R. BRADNEY	1686	
28-	DOW	1607	
29-	POMO	1487	
30-	W. BRADNEY	1383	
31-	SLIFF	1229	
32-	FORREY	1095	
33-	B. GERBIN	999	
34-	WHITE	855	
35-	NEVERDOSKY	803	
36-	ROSENBERG	779	
37-	FRETWELL	633	
38-			

 **** FOURTH ANNUAL DR. PEPPER CONTEST 1985 ****
 **** FRESNO SOARING SOCIETY BY ****

PLACE CONTESTANT CLUB RD1 RD2 RD3 RD4 RD5 RD6 TOTAL

PLACE	CONTESTANT	CLUB	RD1	RD2	RD3	RD4	RD5	RD6	TOTAL
1	COLLINS, RON	FSS	139	444	388	426	186	428	2011
2	COLLINS, STRETCH	FSS	200	444	329	346	414	275	2008
3	CROWDER, MARIOM	FSS	253	432	290	440	180	412	2007
4	FINK, DANIEL	HSS	438	380	146	411	157	473	2005
5	McGOWAN, BOB	SSS	367	432	176	432	170	422	1999
6	McGANN, TIM	SSS	415	420	136	425	366	227	1989
7	GEORGE, CHRIS	CVRC	411	159	180	422	270	337	1979
8	GEORGE, STEVE	CVRC	283	441	204	444	429	150	1972
9	HENRY, DELL	CVRC	434	278	225	440	279	311	1946
10	ANTHONY, DON	SSS	336	378	236	440	134	418	1942
11	STONER, ARLE	HRCC	207	444	317	433	136	402	1939
12	GUNTHER, STEVE	FSS	221	420	332	433	395	241	1920
13	HATSUNOJO, BEN	FSS	310	414	248	433	271	211	1917
14	SMITH, RALPH	CVRC	438	296	235	414	367	158	1908
15	WAKERLEY, BOB	SSS	444	388	138	161	408	344	1883
16	BOYD, STAN	FSS	145	263	439	445	252	300	1824
17	HAUSEN, DICK	SSJSS	180	436	349	439	420	0	1824
18	RICHARDSON, FUDGE	CVRC	307	428	192	324	119	445	1815
19	ROSE, HARRY	CVRC	414	382	117	438	177	283	1811
20	MILOVIC, NOEL	PSS	225	435	315	250	440	143	1808
21	SMITH, KERVIN	CVRC	255	445	275	185	387	236	1783
22	DURHAM, JACK	HSS	436	336	194	336	306	158	1766
23	FRIEND, RICHARD	HRCC	344	426	205	413	133	227	1748
24	RESALADO, ROBERT	FSS	229	208	218	445	233	261	1699
25	FOX, JERRY	CVRC	313	402	313	418	143	203	1697
26	HOPAR, JACK	SSJSS	237	289	393	285	208	243	1655
27	HIPP, ED	CVRC	143	184	445	181	162	419	1534
28	TAYLOR, DAVE	FSS	224	233	156	435	92	92	1495
29	COPP, JEFF	FSS	212	111	396	213	294	129	1355
30	KOPH, TOM	FSS	191	441	342	193	0	0	1352
31	KOPH, MIKE	FSS	204	406	199	0	0	0	809
32	BITNER, EMERY	FSS	153	162	0	0	0	0	315

PLACE CONTESTANT CLUB RD1 RD2 RD3 RD4 RD5 RD6 TOTAL

PLACE	CONTESTANT	CLUB	RD1	RD2	RD3	RD4	RD5	RD6	TOTAL
1	HODE, STEVE	SSS	255	419	300	238	439	358	2009
2	WHITE, DAVE	CVRC	232	442	297	443	143	404	1961
3	FISH, FRANK	SSS	436	293	246	250	414	300	1939
4	GEORGE, BILL	CVRC	414	405	103	243	422	328	1915
5	BROOKS, NOEL	PSS	265	442	264	116	386	440	1913
6	BIDDLE, FRED	HSS	332	128	419	166	408	442	1913
7	LIPART, DON	FSS	302	321	210	422	321	211	1875
8	BRADEFORD SR., JIM	CVRC	399	425	109	282	407	259	1871
9	DEAL, HOWARD	SSS	433	169	306	393	239	261	1803
10	PANITZAR, DICK	HSS	190	363	379	138	303	400	1803
11	ARRIAGA, BOB	FSS	224	416	134	351	294	316	1773
12	HILL, PHIL	CVRC	362	257	162	314	416	203	1714
13	FERRARIO, GINO	SSS	354	219	398	419	156	164	1710
14	KAYLOR, JERRY	SSS	412	310	190	423	121	95	1687
15	SMARTSEL, RAY	FSS	94	156	390	423	142	413	1644
16	EDDI, DONALD	CMH	198	428	301	140	123	415	1605
17	LONDON, DAVE	CMH	204	238	172	400	430	95	1539
18	RASH, RICHARD	HSS	342	346	256	129	136	305	1514
19	MARTIN, TONY	HSS	170	113	178	178	420	388	1415
20	CRUM, AL	HSS	248	116	103	154	405	110	1136

PLACE	CONTESTANT	CLUB	RD1	RD2	RD3	RD4	RD5	RD6	TOTAL
1	SIMPLER, BERNARD	HRCC	186	405	357	389	153	449	1939
2	RICHARDS, SIDOT	CVRC	195	415	222	365	427	232	1856
3	WHEELER, KERRY	FSS	419	118	291	421	301	263	1813
4	SPROHL, BILL	FSS	386	114	387	429	136	350	1802
5	BROADWATER, DAN	SSS	403	300	245	340	166	277	1731
6	HOOVER, FRED	CVRC	264	408	269	442	144	127	1654
7	REGALADO, RICHARDA	FSS	190	228	418	248	207	155	1446
8	PETERS, TED	HSS	374	369	204	191	214	84	1356
9	AVERT, CHAIS	DVSS	145	441	172	98	404	174	1434
10	STONER, SHIRLEY	HRCC	311	101	329	125	117	0	1306
11	IDE, ANDREW	CVRC	195	188	310	179	250	0	1122

Dear Contestant - MANY, MANY THANKS
 for coming - Hope you had fun and
 will get to see you next year

Steve

CONTEST 31 MARCH 1985
contest director -- RANDY SPENCER

<u>P</u>	<u>name</u>	<u>AMA#</u>	<u>CLUB</u>	<u>CLASS</u>	<u>SCORE</u>	<u>NORMALIZED SCORE</u>	<u>TROPHY WINNERS</u>
1	Harris, Phil	37731	none	EXPERT	2961	1000	1-E
2	Spencer, Randy	4239	SULA	EXPERT	2940	992.9	2-E
3	Garner, Rich	65089	HSS	EXPERT	2938	992.2	3-E
4	Lueken, Jim	33224	NCC	EXPERT	2892	976.7	4-E
5	Manganelli, Steve	96890	NCC	EXPERT	2872	969.9	5-E
6	Stahlheber, Fred	1837	NCC	SPORTS-	2870	969.3	1-S
7	Bradrud, Randy	90882	PSA	EXPERT	2869	968.9	
8	Stevens, Jim	5845	SULA	EXPERT	2860	965.9	
9	Auman, Greg Sr.	6718	ISS	EXPERT	2856	964.5	
10	O'Donnell, Jack	42937	SULA	EXPERT	2851	962.9	
11	Boss, George	3108	SULA	EXPERT	2836	957.8	
12	Pantzar, Dick	55750	HSS	SPORTS-	2828	955.1	2-S
13	Depue, E.	20031	SULA	SPORTS-	2827	954.7	3-S
14	Smith, Mike	66953	NCC	EXPERT	2817	951.4	
15	Chasteler, Frank	3620	HSS	EXPERT	2802	946.3	
16	McFeeley, Mike	134651	ISS	SPORTS-	2784	940.2	
17	Witt, Elbert	56454	SULA	EXPERT	2781	939.2	
18	Warner, Garth	73643	NCC	SPORTS-	2778	938.2	
19	Raymond, Ken	3638	NCC	EXPERT	2775	937.2	
20	Fedelleck, Jerry	126905	none	EXPERT	2764	933.5	
21	Stahlheber, Charlie	31180	NCC	EXPERT	2755	930.4	
22	Richardson, Pete	61208	HSS	SPORTS-	2753	929.8	
23	Churchill, Mike	61214	PSS	SPORTS-	2747	927.7	
24	LaMotte, Slim	88773	SULA	SPORTS-	2740	925.4	
25	Stark, Toni	64106	PSS	EXPERT	2736	924.0	
26	Aker, Irv	28038	SULA	SPORTS-	2717	917.6	
27	Frye, Jim	73984	HSS	SPORTS-	2715	916.9	
28	Smith, James	70067	SULA	SPORTS-	2702	912.5	
29	Eble, Don	29290	PSS	EXPERT	2695	910.2	
30	Bonanno, Tony	103699	SULA	SPORTS-	2694	909.8	
31	Farless, David	8751	PSS	EXPERT	2692	909.2	
32	Bunting, Don	170004	SULA	SPORTS-	2627	887.2	
33	Capps, Don	1382	SULA	SPORTS-	2584	872.7	
34	Mitchell, Al	50233	HSS	SPORTS-	2580	871.3	
35	Stowers, Roy	70005	SULA	SPORTS-	2550	861.2	
36	Vickers, Don	97074	PSS	EXPERT	2546	859.8	
37	Hunter, John	110323	NCC	SPORTS-	2532	855.1	
38	Martin, Tony	145273	HSS	SPORTS-	2522	851.7	
39	Bruce, John	2642	SULA	SPORTS-	2521	851.4	
40	Chasteler, Tom	21790	HSS	EXPERT	2458	830.1	
41	Churchill, Brian	78186	PSS	SPORTS-	2430	820.7	
42	Klingler, Brant	136725	ISS	SPORTS-	2356	795.7	
43	Durham, Jack	64809	HSS	SPORTS-	2317	782.5	
44	Smith, Morris	31413	HSS	SPORTS-	2261	763.6	
45	Heacox, Frank	84013	HSS	EXPERT	2251	760.2	
46	Churchill, Terry	65308	PSS	SPORTS-	2248	759.2	
47	Biddle, Fred	93177	HSS	SPORTS-	2179	735.9	
48	Short, Howard	97228	SULA	EXPERT	2172	733.5	
49	Niece, Sam	49636	SULA	SPORTS-	2137	721.7	
50	McNee, Ross	113188	NCC	SPORTS-	2121	716.3	
51	Beeman, Chuck	855	ISS	EXPERT	2064	697.1	
52	Rosenthal, Joe	151723	SULA	SPORTS-	1935	653.5	
53	Bunting, David	149413	SULA	SPORTS-	1890	638.3	
54	Cron, Al	105068	HSS	SPORTS-	1792	605.2	
55	Rash, Dick	113372	HSS	SPORTS-	956	322.9	
56	Lee, C. G.	100547	HSS	SPORTS-	333	112.5	

TEAM SCORES

PSA	968.9
ISS	964.5
	940.2
	795.7
	697.1
	339.5
PSS	927.7
	924.0
	910.2
	909.2
	3671.1
HSS	992.2
	955.1
	946.3
	929.8
	3823.4
NCC	976.7
	969.9
	969.3
	951.4
	3867.3
SULA	992.9
	965.9
	962.9
	957.8
	3879.5

Sunday the final two rounds were flown and trophies were awarded.

1 Dan Fink took fourth place flying for Harbor Soaring Society.

Harbor made a very respectfull show this year. In the flying category. After the trophies were handed out and the end of the raffle each pilot headed back to good old Orange County.

We were ask to return next year to the Dr. Pepper Open and also to attend the Visalia Contest.

As Last year the contest was a lot of fun and it is always nice to meet people again and fly against different* pilots and different weather conditions.

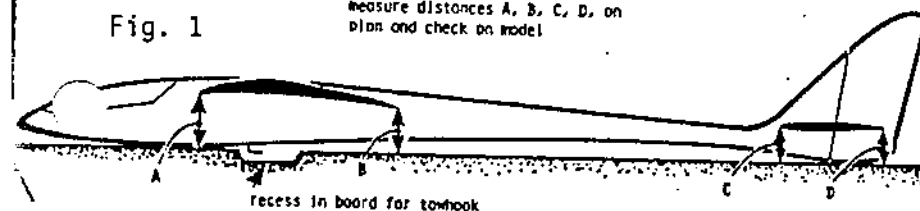
I would like to Thank Fresno Soaring Society for inviting us back to the Dr. Pepper OPen. And thanks to the C.D.'s Steve Gunther and Harlen Collins for making us welcome and showing us a good time.

INCIDENCE CHECKING

PLACE THE MODEL ON A LARGE FLAT SURFACE, SO THAT IT IS RESTING NATURALLY ON THE FUSELAGE, CHECK IT IN POSITION WITH THE WINGS LEVEL. NOTE ON WHICH POINTS OF THE FUSELAGE THE MODEL IS RESTING, USING A STRAIGHT EDGE, DRAW A CORRESPONDING LINE ON THE FUSELAGE SIDE-VIEW ON THE PLAN. THE INCIDENCE ANGLES OF THE WING AND THE TAIL CAN THEN BE CHECKED BY MEASURING THE DISTANCE FROM THE LINE (DRAWN) TO THE WING AND TAIL LEADING AND TRAILING EDGE POSITIONS ON THE PLAN, AND CHECKING THIS TO THE CORRESPONDING DISTANCES BETWEEN THE FLAT SURFACE AND THE MODEL'S LEADING AND TRAILING EDGES. FOR MODELS WITH PLUG-IN WINGS A VERY IMPORTANT PART OF THIS CHECK IS TO INSURE THAT BOTH WINGS ARE AT THE SAME INCIDENCE. IT IS VERY EASY TO BUILD A SLIGHT DIFFERENCE BETWEEN THE TWO WING. SIMILARLY, WHERE AN ALL-MOVING ELEVATOR WITH PLUG-IN HALVES IS USED, THE INCIDENCE MUST BE EQUAL. WHILE THE MODEL IS STILL ON THE BOARD, CHECK THAT THE DIHEDRAL OF THE WINGS ARE EQUAL AND THE ELEVATOR TIPS ARE BOTH THE SAME DISTANCE FROM THE BOARD. FIG. 1.

Fig. 1

measure distances A, B, C, D, on plan and check on model



*face on which model rests
*responds to line drawn on plan

TOW-HOOK POSITION

CHECK THAT THE TOW-HOOK IS IN THE CORRECT POSITION. SEE FIG. 2. THIS GIVES AN APPROXIMATE GUIDE TO THE RANGE OF POSITIONS WHICH NORMALLY PROVE SATISFACTORY. MODELS CAN BE SUCCESSFULLY FLOWN WITH THE HOOK POSITIONS OUTSIDE THIS RANGE, BUT THEY WILL BE LESS STABLE ON THE LINE AND REQUIRE CONSTANT CORRECTION DURING LAUNCH. FIG. 3. TURN MODEL UPSIDE-DOWN AND HANG THE MODEL FROM THE TOW-HOOK FROM A KEY RING. THE MODEL SHOULD HANG LEVEL OR SLIGHTLY NOSE-HEAVY. BY NO MEANS LET IT BE TAIL-HEAVY.

Fig. 2 Balance Point (C.G.)

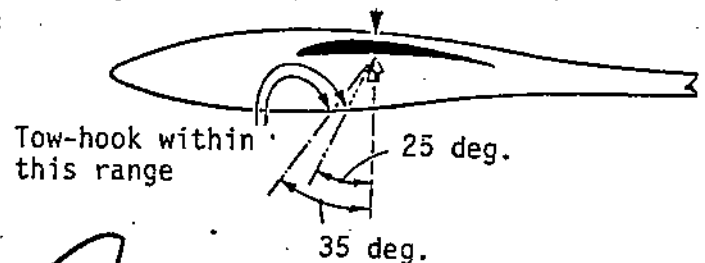
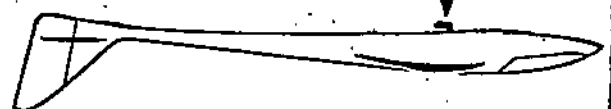


Fig. 3

HANG FROM TOW-HOOK



DR. PEPPER OPEN

April 12, 1985 was a day on the calendar a few cars had their noses pointed towards Fresno. It was back to the Dr. Pepper Open .

Harbor Soaring Society was represented this year by Dick Pantzar, Jack Durham, Dick Rash, Al Cron. Tony Martin, Dan Fink and Fred Biddle.

Once again we were greeted by friendly and familiar faces. With a verbal greeting for all to have a good time and safe and fun flying.

However at the Hotel we were not greeted quite so friendly. It was more like " Yes we remember".

Familiar incidents took place this year as it did last year. Checking the airplane out in the hallway of the hotel. If you don't think that is hard to take after a night of partying ask the people across the hall. All that was herd was a soft moan and the loud slam of the door. A muffled "Ahhh it must have been something we ate for dinner."

Out to the field Saturday for the first day of flying. Which consisted of four flights. Saturday ended with a Bar-B-Que which was attended by most of the pilots and their families.

The feild atmosphere was one of high spirits and high hopes. The air had a festive feel about it. The pilots milled about and talked and visited with each other. All being very friendly. The air seemed to be filled with excitement. I think that is what it was filled with. Of course the aroma of Orange Blossoms, Hot Coffee, Hot Dogs and Fritos Boats just added to the atmosphere. Other aromas drifted by but at this time no need for details.

Thermals were not the order of the day. However at the end of the day all H.S.S. pilots were still in contention.

That is the way it was in April .

Until next time happy flying and soft landings. Hope we all
catch that big thermal that is out there just waiting to
give us a lift.

SPOILER HOOK UP

By Pete Richardson

Spoiler horn: Make from 3/32 or 1/8 O.D. brass tubing. The horn may be recessed into the spoiler blade.

Cord lock : Make from 1/16 thick plastic or plywood. The hole diameter should be the same as the cord diameter.

Advantages : The use of the cord lock and a brass tube for the spoiler horn simplifies construction, allows easy adjustment, and prevents slippage.

