



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

FIRST CLASS MAIL

WILL CONRAD 9359 SHRIKE AVE FOUNTAIN VALLEY, CA 92708

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(The Soaring) Society Column

Chris Hurley (714) 458-9251 President: (714) 756-9356 Vice Pres: Roger Lowery **Jared Stalls** (714) 722-1846 Secretary: Frank Chastler (714) 545-2185 Treasurer: Contest Coord: (714) 556-6385 George Joy General Dir: (714) 638-0705 **Ross Thomas** (714) 895-1203 News Letter Ed: **Bob Sliff** C 961 8 3

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

November 1989

Volume 26 Number 11

November Club Meeting: The November club meeting will be held on Wednesday, November 1, 1989, 7:30 pm at the Consolidated Water District Office, 1965 Placentia Ave., Costa Mesa, Ca. The Monthly club contest will be on the 5th of November, field conditions permitting.

December Club Meeting: The December club meeting will be held on Wednesday, December 6, 1989 at 7:30 pm at the Water District Office.

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
5	NOV	George Joy(HSS Monthly)
19	NOV	George Joy/Frank Chasteler (HSS SC2)
10	DEC	Steve Fink (HSS Monthly)
18	FEB 90	F.Chasteler (F3E Electric)

The November Contest will be the same format as the HSS SC2 contest. So, see the HSS SC2 announcement or George Joy for more information.

MEETING ACTIVITIES:

NOVEMBER MEETING--ELECTION OF OFFICERS DECEMBER MEETING--MEMBER SWAP MEET.

MINUTES OF THE OCTOBER 89 HSS MEETING

MINUTES NOT RECEIVED

SOUTHERN CALIFORNIA SOARING CLUBS

RESULTS OF PSS (SC)2 CONTEST OF 10/15/89

CONTEST DIRECTOR - BEN MATSUMOTO

FL NAME							
2 ATWELL BLAIR SULA EXPERT 2503.1 9949 B-4 3 MARTIN, TONY BS EXPERT 2595.0 993.0 B-2 4 RICHARDSON, PETE BSS EXPERT 2595.0 993.7 B-5 5 BITZEREGRE, JOIN SWSA SPORTS 207.7 958.5 S-1 6 GARNER, RICH BSS EXPERT 2488.8 951.2 7 ZINK, DON BSS SPORTS 2482.4 948.8 S-2 8 JENKINS, HARVEY SWSA SPORTS 2467.5 943.1 S-3 10 CHASTLER, FRANK HSS EXPERT 2448.5 953.3 B-1 11 MENAME, ART TOSS SPORTS 2467.5 943.1 S-3 11 CHASTLER, FRANK HSS EXPERT 2448.5 953.3 B-1 12 CHASTLER, FRANK HSS EXPERT 2448.5 953.3 B-1 13 DANRICH, DAN HSS SPORTS 2433.0 90.9 12 CHASTLER, FRANK HSS EXPERT 2448.5 953.6 B-1 14 MANGE, ART TOSS SPORTS 2433.0 90.9 15 CHASTLER, FRANK HSS EXPERT 2485.0 90.1 16 MAISUNGTO, BEN HSS SPORTS 2433.0 90.5 16 MAISUNGTO, BEN PSS EXPERT 238.0 90.6 17 ROBERT GARY PSS EXPERT 2348.6 897.6 18 HENDRING RICH PSS EXPERT 2348.6 897.6 18 HENDRING RICH PSS EXPERT 2348.0 893.4 19 RATHER MIKE PSS EXPERT 2337.5 893.4 19 HENDRING RICK TOSS EXPERT 2331.3 893.4 19 RATHER MIKE PSS EXPERT 2331.3 893.4 19 RATHER MIKE PSS EXPERT 2331.3 893.4 19 RATHER MIKE PSS SPORTS 2311.3 833.4 19 RATHER MIKE PSS SPORTS 2311.3 833.4 20 MEINERMER TONY PSS EXPERT 2335.5 896.6 21 VICKIRS, DON SULLA EXPERT 225.1 869.6 22 POLLSON, GORDON HSS EXPERT 226.6 874.0 23 WEISMAN EDGAR TOSS SPORTS 2311.3 834.7 24 GRISWOLD, CHUCK TOSS EXPERT 2226.8 851.1 25 STARK, TONI PSS EXPERT 2226.8 851.1 26 GATTI, MARK PSS SPORTS 2230.9 851.9 27 GRISWOLD, CHUCK TOSS EXPERT 226.8 851.1 28 GRISWOLD, CHUCK TOSS EXPERT 226.8 851.1 29 GLISON, GORDON HSS EXPERT 226.8 851.1 29 GLISON, GORDON HSS EXPERT 226.8 851.1 26 GATTI, MARK PSS SPORTS 229.9 851.9 27 FILLMAN, NORM NCC EXPERT 2190.9 851.9 28 GORDON HSS EXPERT 226.8 851.1 29 GATSIN, VINCENT H. LDOR SPORTS 229.0 851.9 29 GLISON, WINCENT H. LDOR SPORTS 229.0 851.9 21 GLISON, GORDON HSS EXPERT 226.8 851.1 24 GATSIN, WINCENT H. LDOR SPORTS 229.0 851.9 25 STARK, TONI PSS EXPERT 240.3 77.6 26 GATTI, MARK PSS SPORTS 299.9 851.9 26 GATTI, MARK PSS SPORTS 299.9 851.9 27 GLISON, JOHN SWSA SPORTS 299.1 77.6 28 GORDON SPORTS 299.9 77.9 28 GATSIN, WINCENT H. L	PL.	NAME	CLUB	. CLASS SCC	DRE	NORMAL	TROPHY
3 MARTIN, TONY HSS. EXPERT 2598.0 993.0 H-24 RICHARDSON, PETE HSS. EXPERT 2545.0 972.7 E-5 5 BITZBERGER, JOHN SWSA SPORTS 2507.7 598.5 S-1 6 GARNER, RICH HSS. EXPERT 2488.8 951.2 7 ZINK, DON HISS. SPORTS 2482.4 948.8 S-2 8 IENKINS, HARVEY SWSA SPORTS 2482.4 948.8 S-2 9 EDBERG, DON PSS EXPERT 2449.8 936.3 E-1 10 CHASTLER, FRANK HSS. EXPERT 2449.8 936.3 E-1 11 McNAMEE, ART TOSS SPORTS 2431.5 S-3 11 McNAMEE, ART TOSS SPORTS 2431.5 S-3 12 CHASTAIN, BLAYNE PSS SPORTS 2433.0 939.9 12 CHASTAIN, BLAYNE PSS SPORTS 2433.0 939.9 13 DANRICH, DAN HSS SPORTS 2433.0 939.9 14 MATSUMOTO, BEN PSS EXPERT 2383.0 910.8 15 ROBERTS, GARY PSS EXPERT 2383.0 910.8 16 FINKENBINER, KEITH NCC EXPERT 2393.0 910.8 17 SIREN, IAY PSS EXPERT 2393.0 910.8 18 HENDIBLICKSON, BRIG TOSS EXPERT 2301.2 884.4 19 RATHER, MIKE PSS SYORTS 2311.1 884.4 19 RATHER, MIKE PSS EXPERT 2311.1 884.4 10 MINIMERER, TONY PSS EXPERT 2311.1 884.4 10 MINIMER, ELTH NOSS EXPERT 2311.1 884.4 11 RATHER, MIKE PSS SYORTS 2311.1 884.4 12 VICKERS, DON SULA EXPERT 2266.7 874.0 12 VICKERS, DON SULA EXPERT 2266.7 874.0 12 VICKERS, DON SULA EXPERT 2275.1 899.6 14 GRISWOLD, CHUCK TOSS EXPERT 2275.1 899.6 15 GATTI, MARK PSS EXPERT 2275.1 899.6 16 GATTI, MARK PSS EXPERT 2275.1 899.6 17 SIREN, VINCERT ELDON SPORTS 2270.0 851.9 18 GRISWOLD, CHUCK TOSS EXPERT 2275.1 899.6 19 GRISWOLD, CHUCK TOSS EXPERT 2275.1 899.6 10 GATTI, MARK PSS SPORTS 2270.0 851.9 11 HULTER, DALE PSS SPORTS 2270.0 851.9 12 FOLLOW, ORDON HSS EXPERT 2270.0 851.9 13 HOLLEY, MARY SWAS SPORTS 2270.0 851.9 14 GRISWOLD, CHUCK TOSS EXPERT 2270.0 851.1 15 GRISWOLD, CHUCK TOSS EXPERT 2270.0 851.1 15 GRISWOLD, CHUCK TOSS EXPERT 2270.0 851.1 16 GATTI, MARK PSS SPORTS 2270.0 851.9 16 GATTI, MARK PSS SPORTS 2270.0 851.9 17 GRISWOLD, CHUCK TOSS EXPERT 2270.0 851.9 18 GRI		SMITH, MIKE	NCC	. EXPERT	2616.4		E-3
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9 EDBERG, DON PSS EXPERT 2448.5 93.3 E-1 10 CHASTLER, FRANK HSS EXPERT 2448.5 93.3 8 11 MANAMEE, ART TOSS SPORTS 2433.0 92.9 12 CHASTAIN, BLAYNE PSS SPORTS 2433.0 92.9 13 DANRICH, DAN HSS SPORTS 2435.0 91.5 14 MATSUMOTO, BEN PSS EXPERT 238.0 91.0 15 ROBERTS, GARY PSS EXPERT 238.0 91.0 16 FINKENBINER, KEITH NCC EXPERT 2346.6 897.6 16 FINKENBINER, KEITH NCC EXPERT 2340.2 984.4 17 SIREN, JAY PSS EXPERT 2337.5 893.4 18 HENDIRCKSON, ERIC TOSS EXPERT 2331.3 884.1 19 RATINER, MIKE PSS SPORTS 2313.3 884.1 19 RATINER, MIKE PSS SPORTS 2313.3 884.4 20 MEINENBER, TONY PSS EXPERT 2236.7 874.0 21 VICKIES, DON SULA EXPERT 2275.1 866.6 22 POULSON, GORDON HSS EXPERT 2243.5 875.7 23 WEISMAN, EDGAR TOSS SPORTS 2231.0 882.7 24 GRISWOLD, CHUCK TOSS EXPERT 2220.0 851.9 25 STARK, TON PSS SPORTS 2229.0 851.9 25 STARK, TON PSS SPORTS 2219.7 884.4 27 BROOKS, NOBL PSS SPORTS 2119.7 884.4 28 BOTKIN, VINCENT ELDOR SPORTS 2119.9 337.4 29 BOTKIN, VINCENT ELDOR SPORTS 2119.9 337.4 20 BOTKIN, VINCENT ELDOR SPORTS 2119.9 319. 31 NUTTER, DALE PSS SPORTS 2129.0 812.9 31 HOLLEY, MARY SWSA SPORTS 2129.0 812.9 31 NUTTER, DALE PSS SPORTS 209.4 775.6 32 CHASTAIN, ROGER PSS SPORTS 209.4 775.6 33 HOLLEY, MARY SWSA SPORTS 209.5 776.1 34 DOUGLAS, IAN PSS EXPERT 1991.5 761.2 35 PATTER, SILL PSS SPORTS 209.5 776.5 36 CRON, AL HSS SPORTS 199.0 729.0 37 WILSON, DANIEL ELDOR SPORTS 199.0 729.0 38 HOLLEY, MARY SWSA SPORTS 199.0 729.0 39 GLASS, ROBERT PSS SPORTS 199.0 729.0 30 EXPERT 199.1 761.2 31 WILSON, DANIEL ELDOR SPORTS 199.5 756.6 39 ETTERS, ILES SWSA SPORTS 199.5 756.6 39 ETTERS, ILES SWSA SPORTS 199.5 756.7 31 LASAITER, PSS SPORTS 199.5 756.7 32 SUBJERT, SANDAIN NONE SPORTS 199.1 772.4 34 SANDRONI, HUGO SULA SPORTS 199.1 792.5 35 CARBERON,	7	ZINK, DON	HSS	. SPORTS	2482.4		8-2
11 MANAMEE, ART TOSS SPORTS 2433.0 7229	8	JENKINS, HARVEY	SWSA	. SPORTS	2467.5		5-3
11 Menamer, art	9	EDBERG, DON	PSS	. EXPERT	2449.8	930.3	B-1
CHASTIAIN, BLAYNE	10	CHASTLER, FRANK	HSS	. EXPERT	2448.5		
13 DANRICH, DAN	11	McNAMEE, ART	TOSS	. SPORTS	2433.0	,	
MATSUMOTO, BEN		CHASTAIN, BLAYNE	PSS	. SPORTS	2413.5	9223	
15 ROBERTS, GARY PSS EXPERT 2348.6 897.6 16 FINKENBINDER, KEITH NICC EXPERT 2347.2 894.4 17 SIREN, IAY PSS EXPERT 2337.5 893.4 18 HENDIRCKSON, ERIC TOSS EXPERT 2337.2 884.1 19 RATNER, MIKE PSS SPORTS 2311.3 883.4 20 MEINENEER, TONY PSS EXPERT 228.6.7 874.0 21 VICKERS, DON SULA EXPERT 228.6.7 874.0 22 VOLLSON, GORDON HSS EXPERT 2243.5 857.5 23 WEISMAN, EDGAR TOSS SPORTS 2231.0 852.7 24 GRISWOLD, CHUCK TOSS EXPERTS 2229.0 851.9 25 STARK, TONI PSS EXPERT 2226.8 851.1 26 GATTI, MARK PSS SPORTS 2219.7 848.4 27 BROOKS, NOEL PSS SPORTS 2219.7 848.4 28 BOTKIN, VINCENT ELDOR SPORTS 2219.9 837.4 29 STILLMAN, NORM NCC EXPERT 217.9 830.1 30 DAVIS, JOHN SWSA SPORTS 2127.0 812.9 31 NUTTER, DALE PSS EXPERT 2094.1 800.4 32 CHASTAIN, ROGER PSS SPORTS 2094.1 800.4 33 HOLLEY, MARY SWSA SPORTS 2052.5 784.5 34 DOUGLAS, IAN PSS EXPERT 2094.1 800.4 35 PETIEN, MICHAEL SWSA SPORTS 2052.5 784.5 36 CRON, AL HSS EXPERT 1991.5 761.2 37 WILSON, DANIEL ELDOR SPORTS 1935.1 736.6 38 PETIEN, MICHAEL SWSA SPORTS 1935.1 736.6 39 GLASS, ROBERT PSS SPORTS 1935.1 736.6 30 GARS, ROBERT PSS SPORTS 1935.1 736.6 31 GLASS, ROBERT PSS SPORTS 1935.1 736.6 32 FETIEN, MICHAEL SWSA SPORTS 1935.1 736.6 34 DELDER, ELGOR SPORTS 1935.1 736.6 35 PETIEN, MICHAEL SWSA SPORTS 1935.1 736.6 36 CRON, AL HSS EXPERT 1915.5 762.3 37 WILSON, DANIEL ELDOR SPORTS 1935.1 736.6 38 PETIEN, MICHAEL SWSA SPORTS 1935.1 736.6 39 GLASS, ROBERT PSS SPORTS 1935.1 736.6 40 DENBERG, ED TOSS EXPERT 1883.4 71.8 41 SANDRONI, HUGO SULA SPORTS 1935.1 736.6 42 SURNS, RICHARD SS EXPERT 1883.4	13	DANRICH, DAN	HSS	. SPORTS	2395.0	915.4	
16 FINKENBINER, KEITH NCC EXPERT 2340.2 894.4 17 SIREN, JAY PSS EXPERT 2331.5 893.4 18 HENDIRCKSON, ERIC TOSS EXPERT 2313.2 884.1 19 RATNER, MIKE PSS SPORTS 2311.3 883.4 20 MEINENEER, TONY PSS EXPERT 2286.7 874.0 21 VICKERS, DON SULA EXPERT 2286.7 874.0 21 VICKERS, DON SULA EXPERT 2285.7 875.2 22 POULSON, GORDON HSS EXPERT 2243.5 857.5 23 WEISMAN, EDGAR TOSS SPORTS 2231.0 852.7 24 GRISWOLD, CHUCK TOSS EXPERT 2226.8 851.1 25 STARK, TONI PSS EXPERT 2226.8 851.1 26 GATTI, MARK PSS SPORTS 2219.7 848.4 27 BROOKS, NOEL PSS SPORTS 219.9 337.4 28 BOTKIN, VINCENT ELDOR SPORTS 2186.6 835.7 29 TILLMAN, NORM NCC EXPERT 2171.9 830.1 30 DAVIS, JOHN SWSA SPORTS 2127.0 812.9 31 NUTTER, DALE PSS EXPERT 204.1 800.4 32 CHASTAIN, ROGER PSS SPORTS 2084.9 796.9 33 HOLLEY, MARY SWSA SPORTS 2084.9 796.9 34 DOUGLAS, IAN PSS EXPERT 204.1 800.4 35 PETTEN, MICHAEL SWSA SPORTS 202.5 784.5 36 CRON, AL HSS EXPERT 204.5 786.5 37 FETTEN, MICHAEL SWSA SPORTS 179.6 756.6 38 PETTEN, MICHAEL SWSA SPORTS 179.6 756.2 39 GLASS, ROBERT PSS SPORTS 179.6 756.6 30 FETTEN, LES SWSA SPORTS 179.6 756.6 31 FETTEN, LELDOR SPORTS 179.6 756.6 32 PETTEN, LES SWSA SPORTS 179.6 756.6 33 PETTEN, LES SWSA SPORTS 179.6 756.6 34 SPETTEN, LES SWSA SPORTS 179.6 756.6 35 PETTEN, LES SWSA SPORTS 179.6 756.6 36 PETTEN, LES SWSA SPORTS 179.6 756.6 37 PETTEN, LES SWSA SPORTS 179.6 756.6 38 PETTEN, LES SWSA SPORTS 179.6 756.6 39 GLASS, ROBERT PSS SPORTS 179.6 756.6 31 PETTEN, LES SWSA SPORTS 179.6 756.6 32 PETTEN, LES SWSA SPORTS 179.6 756.6 34 SHAW, BRYAN NONE SPORTS 179.6 756.6 35 PETTEN, LES SWSA SPORTS 179.6 756.2 36 CROM, AL HSS EXPERT 1888.4 72.8 37 JAG. SPORTS 179.6 756.6 38 PETTEN, LES SWSA SPORTS 179.6 756.2 39 GLASS, ROBERT PSS SPORTS 179.6 756.2 31 WILSON, DANIEL ELDOR SPORTS 179.6 756.2 32 STAFFORD, RW NCC EXPERT 1888.4 72.8 34 FEDELLECK, LERRY SULLA EXPERT 1846.5 75.7 35 JAGER, PROBERT SWSA SPORTS 150.0		MATSUMOTO, BEN	PSS	. EXPERT	2383.0		
SIREN, JAY	15	ROBERTS, GARY	PSS	.EXPERT	2348.0	897.0	
HENDIRCKSON, ERIC TOSS EXPERT 2313.2 884.1 PRATNER, MIKE PSS SPORTS 2311.3 883.4 20 MEINENEER, TONY PSS EXPERT 2226.7 874.0 21 VICKERS, DON SULA EXPERT 2275.1 869.6 22 POULSON, GORDON HSS EXPERT 2243.5 857.5 23 WEISMAN, EDGAR TOSS SPORTS 2231.0 822.7 24 GRISWOLD, CHUCK TOSS EXPERT 2243.5 857.5 25 WEISMAN, EDGAR TOSS EXPERT 2223.1 822.7 26 GATTI, MARK PSS EXPERT 2226.8 851.1 26 GATTI, MARK PSS SPORTS 2219.7 848.4 27 BROOKS, NOEL PSS SPORTS 2190.9 837.4 28 BOTKIN, VINCENT ELDOR SPORTS 2186.6 835.7 27 TILLMAN, NORM NCC EXPERT 2171.9 830.1 30 DAVIS, JOHN SWSA SPORTS 2127.0 812.9 31 NUTTER, DALE PSS EXPERT 2094.1 800.4 32 CHASTAIN, ROGER PSS SPORTS 2084.9 796.9 33 HOLLEY, MARY SWSA SPORTS 2084.9 796.9 34 DOUGLAS, IAN PSS EXPERT 2043.5 781.0 35 PETTEN, MICHAEL SWSA SPORTS 2039.4 775.6 36 CRON, AL HSS EXPERT 2043.5 781.0 37 WILSON, DANIEL ELDOR SPORTS 1979.6 756.6 38 PETERSEN, LES SWSA SPORTS 1935.1 736.6 39 GLASS, ROBERT PSS SPORTS 1935.1 739.6 30 GRON, AL HSS EXPERT 1991.5 761.2 31 SANDRON, HUGO SULA SPORTS 1909.6 729.9 40 DREWRY, BILL PSS SPORTS 1909.6 729.9 40 DREWRY, BILL PSS SPORTS 1909.6 729.9 41 SANDRON, HUGO SULA SPORTS 1909.6 729.9 42 BURNS, RICHARD PSS EXPERT 1813.3 716.0 43 HOLLEY, BRAY SULA EXPERT 1834.9 706.2 44 OLDENBERG, BD TOSS EXPERT 1884.4 711.8 45 FORTS 189.2 723.3 46 BALLEYON, PHILIP PSS SPORTS 1909.6 729.9 47 STAFFORD, HILL PSS SPORTS 1909.6 729.9 48 SHAW, BRAYAN NONE SPORTS 189.0 695.2 47 STAFFORD, HILL PSS SPORTS 1909.4 795.0 48 SLAKKOLB, BRIAN NONE SPORTS 1479.7 572.4 51 LASATER, JOHN HS	16	FINKENBINER, KETTH	NCC	. EXPERT	2340.2	894.4	
19 RATNER MIKE PSS SPORTS 2311.3 883.4	_	SIREN, JAY	PSS	. EXPERT	2337.3	893.4	
MEINENEER, TONY		HENDIRCKSON, ERIC	TOSS	. EXPERT	2313.2		
VICKERS, DON		RATNER, MIKE	PSS	. SPORTS	2311.3	883.4	
POULSON, GORDON	-	MEINENEER, TONY	. PSS	. EXPERI	2200.7	0.04.0	
23 WEISMAN, EDGAR TOSS SPORTS 2231.0 852.7 24 GRISWOLD, CHUCK TOSS EXPERT 2229.0 851.9 25 STARK, TONI PSS EXPERT 2226.8 851.1 26 GATTI, MARK PSS SPORTS 2199.7 848.4 27 BROOKS, NOEL PSS SPORTS 2199.9 837.4 28 BOTKIN, VINCENT ELDOR SPORTS 2186.6 835.7 29 TILLMAN, NORM NCC EXPERT 2171.9 830.1 30 DAVIS, JOHN SWSA SPORTS 2127.0 812.9 31 NUTTER, DALE PSS EXPERT 2094.1 800.4 32 CHASTAIN, ROGER PSS SPORTS 2084.9 796.9 33 HOLLEY, MARY SWSA SPORTS 2052.5 784.5 34 DOUGLAS, IAN PSS EXPERT 2043.5 781.0 35 PETTEN, MICHAEL SWSA SPORTS 2029.4 775.6 36 CRON, AL HSS EXPERT 1991.5 761.2 37 WILSON, DANIEL ELDOR SPORTS 1979.6 756.6 38 PETERSEN, LES SWSA SPORTS 1979.6 756.6 39 GLASS, ROBERT PSS SPORTS 1999.6 729.9 40 DREWRY, BILL PSS SPORTS 1909.6 729.9 41 SANDRONH, HUGO SULA SPORTS 193.1 739.6 42 BURNS, RICHARD PSS EXPERT 1882.4 721.8 43 FEDELLECK, JERRY SULA EXPERT 1882.4 721.8 44 FINKLOHAL SULA SPORTS 1892.5 723.3 45 FINK, DAN SULA EXPERT 1888.4 721.8 46 HALLFORD, PHILLIP PSS SPORTS 189.0 695.2 47 STAFFORD, IRV NCC EXPERT 1811.3 692.3 48 SHAW, BRYAN NONE SPORTS 1503.4 574.6 51 LASATER, JOHN HSS SPORTS 1503.4 574.6 51 LASATER, JOHN HSS SPORTS 1503.4 574.6 51 LASATER, JOHN HSS SPORTS 1477.7 572.4 52 PARSONS, JIM HSS SPORTS 1473.9 571.0 53 DeGREVE, PATRICK PSS SPORTS 1473.9 571.0 54 EACH TONS EXPERT 1588.4 590.7 55 GLASK, OBERT SWSA SPORTS 1473.9 571.0 55 CAMERON, SCOTT NONE SPORTS 1473.9 571.0 56 CAMERON, SCOTT NONE SPORTS 1473.9 571.0 57 DAGREY, PATRICK PSS SPORTS 1473.9 571.0 58 DEGREVE, PATRICK PSS SPORTS 1473.9 571.0 58 DEGREVE, PATRICK PSS SPORTS 1473.9 571.0 58 DEGREVE, PATRICK PSS SPORTS 1473.9 571.0 59 DEGREVE, PATRICK PSS SPORTS 1473.9 571.0 50 CAMERON, SCOTT NONE SPORTS 1091.5 4472.5 51 CAMERON, SCOTT NONE SPORTS 1091.5 4472.5 51 CAMERON, SCOTT NONE SPORTS 1091.5 4472.5 52 CAMERON, SCOTT NONE SPORTS 1091.5 4472.5 53 CAMERON, SCOTT NONE SPORTS 1091.5 4472.5 54 CAMERON, SCOTT NONE SPORTS 1091.5 4472.5	21	VICKERS, DON	SULA	. EXPERT	22/5.1		
24 GRISWOLD, CHUCK TOSS EXPERTS 2229.0 851.9 25 STARK, TONI PSS EXPERT 2226.8 851.1 26 GATTI, MARK PSS SPORTS 2219.7 848.4 27 BROOKS, NOEL PSS SPORTS 2219.9 837.4 28 BOTKIN, VINCENT ELDOR SPORTS 2186.6 835.7 29 TILLMAN, NORM NCC EXPERT 2171.9 830.1 30 DAVIS, JOHN SWSA SPORTS 2171.9 830.1 31 NUTTER, DALE PSS EXPERT 2094.1 800.4 32 CHASTAIN, ROGER PSS SPORTS 2084.9 796.9 33 HOLLEY, MARY SWSA SPORTS 2052.5 784.5 34 DOUGLAS, IAN PSS EXPERT 2043.5 781.0 35 PETTEN, MICHAEL SWSA SPORTS 2029.4 775.6 36 CRON, AL HSS EXPERT 1991.5 761.2 37 WILSON, DANIEL ELDOR SPORTS 1979.6 756.6 38 PETERSEN, LES SWSA SPORTS 1979.6 756.6 39 GLASS, ROBERT PSS SPORTS 1935.1 739.6 39 GLASS, ROBERT PSS SPORTS 1935.1 739.6 40 DREWRY, BILL PSS SPORTS 1935.1 739.6 41 SANDRONI, HUGO SULA SPORTS 190.6 729.9 40 DREWRY, BILL PSS SPORTS 190.6 729.9 41 SANDRONI, HUGO SULA SPORTS 1882.4 721.8 43 FEDELLECK, JERRY SULA EXPERT 1883.4 721.8 44 FEDELLECK, JERRY SULA EXPERT 1838.9 702.8 45 FINK, DAN SULA SPORTS 1838.9 702.8 46 HALLFORD, PHILIP PSS SPORTS 1838.9 702.8 47 STAFFORD, IRV NCC EXPERT 1838.9 702.8 48 SHAW, BRYAN NONE SPORTS 168.4 630.0 49 LEPPLA, FRANK PSS EXPERT 1811.3 692.3 48 SHAW, BRYAN NONE SPORTS 164.4 630.0 49 LEPPLA, FRANK PSS EXPERT 1811.3 692.3 48 SHAW, BRYAN NONE SPORTS 1473.9 571.0 50 OLSEN, PETE SWSA SPORTS 1473.9 571.0 51 LASATTER, JOHN HSS SPORTS 1473.9 571.0 52 PARSONS, JIM HSS SPORTS 1473.9 571.0 53 DEGREVE, PATRICK PSS SPORTS 1473.9 571.0 54 ELAKOLD, BRIAN NONE SPORTS 148.3 439.9 55 GRASHIN NONE SPORTS 1473.9 571.0 56 CAMBRON, SCOTT NONE SPORTS 1091.5 4472.5 56 CAMBRON, SCOTT NONE SPORTS 1091.5 4472.5 57 SMITH JUM PSS EXPERT 118.3 429.7 58 CAMBRON, SCOTT NONE SPORTS 1091.5 4472.5 57 SMITH JUM PSS EXPERT 148.4 357.9		POULSON, GORDON	HSS	. EXPERT	2243.5	857.5	
25 STARK, TONI PSS EXPERT 2226.8 851.1 26 GATTI, MARK PSS SPORTS 2219.7 848.4 27 BROOKS, NOEL PSS SPORTS 2190.9 837.4 28 BOTKIN, VINCENIT ELDOR SPORTS 2190.6 835.7 29 TILLMAN, NORM NCC EXPERT 2171.9 830.1 30 DAVIS, JOHN SWSA SPORTS 2127.0 812.9 31 NUTTER, DALE PSS EXPERT 2094.1 800.4 32 CHASTAIN, ROGER PSS SPORTS 2084.9 796.9 33 HOLLEY, MARY SWSA SPORTS 2084.9 796.9 34 DOUGLAS, IAN PSS EXPERT 2093.5 781.0 35 PETTEN, MICHAEL SWSA SPORTS 2029.4 775.6 36 CRON, AL HSS EXPERT 203.5 781.0 37 WILSON, DANIEL ELDOR SPORTS 1976.6 756.6 38 PETERSEN, LES SWSA SPORTS 1979.6 756.6 39 GLASS, ROBERT PSS SPORTS 1935.1 739.6 39 GLASS, ROBERT PSS SPORTS 1995.6 729.9 40 DREWRY, BILL PSS SPORTS 1906.6 729.9 41 SANDRONI, HUGO SULA SPORTS 1902.1 727.0 42 BURNS, RICHARD PSS EXPERT 1882.4 721.8 43 FEDELLECK, JERRY SULA EXPERT 1883.4 721.8 44 GLOENBERG, ED TOSS EXPERT 1883.9 702.8 45 FINK, DAN SULA EXPERT 1839.9 695.2 47 STAFFORD, PHILIP PSS SPORTS 1819.0 695.2 47 STAFFORD, PHILIP PSS SPORTS 1819.0 695.2 48 SIAW, BRYAN NONE SPORTS 1819.0 695.2 47 STAFFORD, PHILIP PSS SPORTS 1819.0 695.2 48 SIAW, BRYAN NONE SPORTS 158.6 595.7 50 OLSEN, PETE SWSA SPORTS 158.9 702.1 51 LASATER, JOHN HSS SPORTS 158.6 595.7 52 DEGREVE, PATRICK PSS SPORTS 158.9 702.5 53 DEGREVE, PATRICK PSS SPORTS 148.3 571.0 54 BLAKKOLB, BRIAN NONE SPORTS 148.3 439.9 55 GRISANTI, PAUL NONE SPORTS 1124.3 429.7 56 CAMERON, SCOTT NONE SPORTS 1934.3 579.8	23	WEISMAN, EDGAR	TOSS	. SPORIS	2231.0	852./	
26 GATTI, MARK PSS SPORTS 2219.7 \$48.4 27 BROOKS, NOEL PSS SPORTS 2190.9 \$37.4 28 BOTKIN, VINCENIT ELDOR SPORTS 2186.6 \$35.7 29 TILLMAN, NORM NCC EXPERT 2171.9 \$30.1 30 DAVIS, JOHN SWSA SPORTS 2127.0 \$12.9 31 NUTTER, DALE PSS EXPERT 2094.1 \$60.4 32 CHASTAIN, ROGER PSS SPORTS 2084.9 796.9 33 HOLLEY, MARY SWSA SPORTS 2084.9 796.9 34 HOLLEY, MARY SWSA SPORTS 2082.5 784.5 35 DOUGLAS, IAN PSS EXPERT 2043.5 781.0 36 CRON, AL HSS EXPERT 1091.5 761.2 37 WILSON, DANIEL ELDOR SPORTS 1095.6 756.6 38 PETERSEN, LES SWSA SPORTS 1095.6 756.6 39 GLASS, ROBERT PSS SPORTS 1095.6 729.9 40 DREWRY, BILL PSS SPORTS 1090.6 729.9 40 DREWRY, BILL PSS SPORTS 1090.6 729.9 41 SANDRONI, HUGO SULA SPORTS 1092.1 727.0 42 BURNS, RICHARD PSS EXPERT 1884.4 721.8 43 FIEDELLECK, JERRY SULA EXPERT 1884.7 71.8 44 OLDENBERG, ED TOSS EXPERT 1884.5 702.8 45 FINK, DAN SULA EXPERT 1884.5 702.8 46 HALLFORD, PHILIP PSS SPORTS 1884.5 702.8 47 STAFFORD, HILLP PSS SPORTS 1810.0 695.2 47 STAFFORD, PHILIP PSS SPORTS 1811.3 692.3 48 SHAW, BRYAN NONE EXPERT 1813.9 702.8 48 SHAW, BRYAN NONE SPORTS 1586.6 595.7 50 OLSEN, PETE SWSA SPORTS 1593.4 574.6 51 LASATER, JOHN HSS SPORTS 1493.9 571.0 52 PARSONS, JIM HSS SPORTS 124.3 429.7 54 BLAKOLB, BRIAN NONE SPORTS 148.9 571.0 55 CAMERON, SCOTT NONE SPORTS 1143.3 439.9 55 GRISANTI, PAUL NONE SPORTS 1143.3 429.7 56 CAMERON, SCOTT NONE SPORTS 1143.3 579.9		GRISWOLD, CHUCK	. TOSS	. EXPERIS	2229.0	851.9	
BROOKS, NOEL		STARK, TONI	. PSS	. EXPERT	2226.8	851.1	
BOTKIN, VINCENT ELDOR SPORTS 2186.6 835.7 TILLMAN, NORM NCC EXPERT 217.19 830.1 DAVIS, JOHN SWSA SPORTS 2127.0 812.9 NUTTER, DALE PSS EXPERT 2094.1 800.4 CHASTAIN, ROGER PSS SPORTS 2084.9 796.9 HOLLEY, MARY SWSA SPORTS 2052.5 784.5 DOUGLAS, IAN PSS EXPERT 2043.5 781.0 FUTTEN, MICHAEL SWSA SPORTS 2029.4 775.6 CRON, AL HSS EXPERT 1991.5 761.2 WILSON, DANIEL ELDOR SPORTS 1979.6 756.6 PETERSEN, LES SWSA SPORTS 1979.6 756.6 PETERSEN, LES SWSA SPORTS 1935.1 739.6 GLASS, ROBERT PSS SPORTS 1909.6 729.9 DREWRY, BILL PSS SPORTS 1909.6 729.9 DREWRY, BILL PSS SPORTS 1902.1 727.0 SANDRONI, HUGO SULA SPORTS 1892.5 723.3 BUNNS, RICHARD PSS EXPERT 1888.4 721.8 FEDELLECK, JERRY SULA EXPERT 1873.3 716.0 JEDINS, RICHARD PSS SPORTS 1892.5 705.7 FINK, DAN SULA EXPERT 1838.9 702.8 HALLFORD, PHILIP PSS SPORTS 1819.0 695.2 THINK, DAN SULA EXPERT 1846.5 705.7 STAFFORD, IRV NCC EXPERT 1813.3 692.3 SHAW, BRYAN NONE SPORTS 1479.7 572.4 SHAW, BRYAN NONE SPORTS 1479.9 571.0 LASATER, JOHN HSS SPORTS 1503.4 574.6 SHAW, BRYAN NONE SPORTS 1473.9 571.0 DGREVEY, FITE SWSA SPORTS 1473.9 571.0 DGREVEY, PATENCK PSS SPORTS 1473.9 571.0 DGREVEY, BILL NONE SPORTS 1148.3 438.9 EXPERT 1148.3 438.9 SHAW, BRYAN NONE SPORTS 1148.3 438.9 SHAW, BRYAN NONE SPORTS 1473.9 571.0 DGREVEY, PATRICK PSS SPORTS 1148.3 438.9 SHAW, BRYAN NONE SPORTS 1124.3 429.7 SHATTH IM PSS SPORTS 1124.3 429.7 NONE SPORTS 1124.3 429.7 SHATTH IM PSS EXPERT 1148.3 550.4 SHATTH IM PSS EXPERT 1148.3 550.4 SHATTH IM PSS EXPERT 1148.3 550.4 STORTS 1148.3 357.9	26	GATTI, MARK	. PSS	, SPORTS	2219.7	848.4	
TILLMAN, NORM NCC	27	BROOKS, NOEL	. PSS	. SPORTS	2190.9	837.4	
DAVIS, JOHN SWSA SPORTS 2127.0 812.9	28	BOTKIN, VINCENT	ELDOR	. SPORTS	2186.6	835.7	
31 NUTTER DALE PSS EXPERT 2094.1 800.4 32 CHASTAIN, ROGER PSS SPORTS 2084.9 796.9 33 HOLLEY, MARY SWSA SPORTS 2082.5 784.5 34 DOUGLAS, IAN PSS EXPERT 2043.5 781.0 35 PETTEN, MICHAEL SWSA SPORTS 2029.4 775.6 36 CRON, AL HSS EXPERT 1991.5 761.2 37 WILSON, DANIEL ELDOR SPORTS 1979.6 756.6 38 PETERSEN, LES SWSA SPORTS 1935.1 739.6 39 GLASS, ROBERT PSS SPORTS 1935.1 739.6 39 GLASS, ROBERT PSS SPORTS 1909.6 729.9 40 DREWRY, BILL PSS SPORTS 1902.1 727.0 41 SANDRONI, HUGO SULA SPORTS 1892.5 723.3 42 BURNS, RICHARD PSS EXPERT 1888.4 721.8 43 FEDELLECK, JERRY SULA EXPERT 1873.3 716.0 44 OLDENBERG, BD TOSS EXPERT 1846.5 705.7 45 FINK, DAN SULA EXPERT 1838.9 702.8 46 HALLFORD, PHILIP PSS SPORTS 1819.0 695.2 47 STAFFORD, IRV NCC EXPERT 1811.3 692.3 48 SHAW, BRYAN NONE SPORTS 1503.4 574.6 51 LASATER, JOHN HSS SPORTS 1503.4 574.6 51 LASATER, JOHN HSS SPORTS 1473.9 571.0 53 DeGREVE, PATRICK PSS SPORTS 1243.3 439.9 54 BLAKKOLB, BRIAN NONE SPORTS 1473.9 571.0 55 GRISANTI, PAUL NONE SPORTS 1148.3 438.9 56 CAMERON, SCOTT NONE SPORTS 1148.3 438.9 57 GRISANTI, PAUL NONE SPORTS 1148.3 438.9 57 GRISANTI, PAUL NONE SPORTS 1148.3 438.9 57 GRISANTI, PAUL NONE SPORTS 1144.3 438.9 58 GRISANTI, PAUL NONE SPORTS 1148.3 438.9 57 GRISANTI, PAUL NONE SPORTS 1148.3 438.9 58 GRISANTI, PAUL NONE SPORTS 1148.3 438.9 57 GRISANTI, PAUL NONE SPORTS 1148.3 438.9 58 GRISANTI, PAUL NONE SPORTS 1148.3 438.9 59 GRISANTI, PAUL NONE SPORTS 1148.3 438.9 56 CAMERON, SCOTT NONE SPORTS 109.5 417.2 57 METH 11M PSS EXPERT 1936.4 357.9	29	TILLMAN, NORM	. NCC	EXPERT	2171.9	830.1	
32 CHASTAIN, ROGER PSS SPORTS 2084.9 796.9 33 HOLLEY, MARY SWSA SPORTS 2052.5 784.5 34 DOUGLAS, IAN PSS EXPERT 2043.5 781.0 35 PETTEN, MICHAEL SWSA SPORTS 2029.4 775.6 36 CRON, AL HSS EXPERT 1991.5 761.2 37 WILSON, DANIEL ELDOR SPORTS 1979.6 756.6 38 PETERSEN, LES SWSA SPORTS 1935.1 739.6 39 GLASS, ROBERT PSS SPORTS 190.6 729.9 40 DREWRY, BILL PSS SPORTS 190.1 727.0 41 SANDRONI, HUGO SULA SPORTS 1892.5 723.3 42 BURNS, RICHARD PSS EXPERT 1888.4 721.8 43 FEDELLECK, JERRY SULA EXPERT 1888.4 721.8 43 FEDELLECK, JERRY SULA		DAVIS, JOHN	. \$WSA	. SPORTS	2127.0	812.9	
HOLLEY, MARY SWSA SPORTS 20225 784.5		NUTTER, DALE	. PSS	EXPERT	2094.1	706.0	
DOUGLAS, IAN PS EXPERT 2043.5 781.0 PETTEN, MICHAEL SWSA SPORTS 2029.4 775.6 CRON, AL HSS EXPERT 1991.5 761.2 WILSON, DANIEL ELDOR SPORTS 1979.6 756.6 PETERSEN, LES SWSA SPORTS 1935.1 739.6 GLASS, ROBERT PSS SPORTS 1909.6 729.9 DREWRY, BILL PSS SPORTS 1909.1 727.0 SANDRONI, HUGO SULA SPORTS 1892.5 723.3 BURNS, RICHARD PSS EXPERT 1888.4 721.8 FEDELLECK, HERRY SULA EXPERT 1873.3 716.0 LDENBERG, ED TOSS EXPERT 1846.5 705.7 FINK, DAN SULA EXPERT 1838.9 702.8 HALLFORD, PHILIP PSS SPORTS 1819.0 695.2 TATFFORD, IRV NCC EXPERT 1811.3 692.3 KIAW, BRYAN NONE SPORTS 1648.4 630.0 LEPPLA, FRANK PSS EXPERT 1558.6 595.7 OLSEN, PETE SWSA SPORTS 1503.4 574.6 LASATER, JOHN HSS SPORTS 1473.9 571.0 DeGREVE, PATRICK PSS SPORTS 1279.1 488.9 BLAKKOLB, BRIAN NONE EXPERT 1558.6 595.7 OLSEN, PETE SWSA SPORTS 1503.4 574.6 LASATER, JOHN HSS SPORTS 1279.1 488.9 BLAKKOLB, BRIAN NONE EXPERT 118.3 438.9 DeGREVE, PATRICK PSS SPORTS 1279.1 488.9 BLAKKOLB, BRIAN NONE EXPERT 114.3 438.9 SHAW, BRYAN NONE EXPERT 1558.6 595.7 OLSEN, PETE SWSA SPORTS 1279.1 488.9 BLAKKOLB, BRIAN NONE EXPERT 114.3 438.9 SHAW, BRYAN NONE EXPERT 114.3 438.9 SHAW, BRYAN NONE EXPERT 114.3 438.9 DEGREVE, PATRICK PSS SPORTS 1279.1 488.9 BLAKKOLB, BRIAN NONE EXPERT 114.3 438.9 SHAMRON, SCOTT NONE SPORTS 1124.3 429.7 SMOTH UM PSS EXPERT 1091.5 417.2 SMOTH UM PSS EXPERT 936.4 357.9		CHASTAIN, ROGER	, PSS	CDODTE	2053.5	784.5	
35 PETTEN, MICHAEL SWSA SPORTS 2029.4 775.6 36 CRON, AL HSS EXPERT 1991.5 761.2 37 WILSON, DANIEL ELDOR SPORTS 1991.5 756.6 38 PETERSEN, LES SWSA SPORTS 1935.1 739.6 39 GLASS, ROBERT PSS SPORTS 1909.6 729.9 40 DREWRY, BILL PSS SPORTS 1909.1 727.0 41 SANDRONI, HUGO SULA SPORTS 1892.5 723.3 42 BURNS, RICHARD PSS EXPERT 1888.4 721.8 43 FEDELLECK, HERRY SULA EXPERT 1873.3 716.0 44 OLDENBERG, BD TOSS EXPERT 1846.5 705.7 45 FINK, DAN SULA EXPERT 1838.9 702.8 46 HALLFORD, PHILIP PSS SPORTS 1819.0 695.2 47 STAFFORD, IRV NCC <t< td=""><td></td><td>HOLLEY, MARY</td><td>, 5W5A</td><td>EVERIO</td><td>20020</td><td>701 0</td><td></td></t<>		HOLLEY, MARY	, 5W5A	EVERIO	20020	701 0	
36 CRON, AL HSS EXPERT 1991.5 761.2 37 WILSON, DANIEL ELDOR SPORTS 1979.6 756.6 38 PETERSEN, LES SWSA SPORTS 1935.1 739.6 39 GLASS, ROBERT PSS SPORTS 1909.6 729.9 40 DREWRY, BILL PSS SPORTS 1902.1 727.0 41 SANDRONI, HUGO SULA SPORTS 1892.5 723.3 42 BURNS, RICHARD PSS EXPERT 1883.4 721.8 43 FEDELLECK, JERRY SULA EXPERT 1873.3 716.0 44 OLDENBERG, ED TOSS EXPERT 1846.5 705.7 45 FINK, DAN SULA EXPERT 1838.9 702.8 46 HALLFORD, PHILIP PSS SPORTS 1819.0 695.2 47 STAFFORD, IRV NCC EXPERT 1811.3 692.3 48 SHAW, BRYAN NONE SP		DOUGLAS, IAN	. P55	COODTS	20130	775.6	
37 WILSON, DANIEL ELDOR SPORTS 1979.6 756.6 38 PETERSEN, LES SWSA SPORTS 1935.1 739.6 39 GLASS, ROBERT PSS SPORTS 1909.6 729.9 40 DREWRY, BILL PSS SPORTS 1902.1 727.0 41 SANDRONI, HUGO SULA SPORTS 1892.5 723.3 42 BURNS, RICHARD PSS EXPERT 1888.4 721.8 43 FEDELLECK, JERRY SULA EXPERT 1873.3 716.0 44 OLDENBERG, ED TOSS EXPERT 1846.5 705.7 45 FINK, DAN SULA EXPERT 1838.9 702.8 46 HALLFORD, PHILIP PSS SPORTS 1819.0 695.2 47 STAFFORD, IRV NCC EXPERT 1811.3 692.3 48 SHAW, BRYAN NONE SPORTS 1648.4 630.0 49 LEPPLA, FRANK PSS <		PETTEN, MICHAEL	. 3W3A	EVDEDT	1001 5	761.2	
38 PETERSEN, LES SWSA SPORTS 1935.1 739.6 39 GLASS, ROBERT PSS SPORTS 1909.6 729.9 40 DREWRY, BILL PSS SPORTS 1902.1 727.0 41 SANDRONI, HUGO SULA SPORTS 1892.5 723.3 42 BURNS, RICHARD PSS EXPERT 1888.4 721.8 43 FEDELLECK, JERRY SULA EXPERT 1873.3 716.0 44 OLDENBERG, BD TOSS EXPERT 1846.5 705.7 45 FINK, DAN SULA EXPERT 1838.9 702.8 46 HALLFORD, PHILIP PSS SPORTS 1819.0 695.2 47 STAFFORD, IRV NCC EXPERT 1811.3 692.3 48 SHAW, BRYAN NONE SPORTS 1648.4 630.0 49 LEPPLA, FRANK PSS EXPERT 1558.6 595.7 50 OLSEN, PETE SWSA S		CRON, AL	מסתום	CDODTC	1070 6	756.6	
GLASS, ROBERT PSS SPORTS 1909.6 729.9		WILSON, DANIEL	CWCA	eports	1035 1	739.6	
40 DREWRY, BILL PSS SPORTS 1902.1 727.0 41 SANDRONI, HUGO SULA SPORTS 1892.5 723.3 42 BURNS, RICHARD PSS EXPERT 1888.4 721.8 43 FEDELLECK, JERRY SULA EXPERT 1873.3 716.0 44 OLDENBERG, ED TOSS EXPERT 1846.5 705.7 45 FINK, DAN SULA EXPERT 1838.9 702.8 46 HALLFORD, PHILIP PSS SPORTS 1819.0 695.2 47 STAFFORD, IRV NCC EXPERT 1811.3 692.3 48 SHAW, BRYAN NONE SPORTS 1648.4 630.0 49 LEPPLA, FRANK PSS EXPERT 1558.6 595.7 50 OLSEN, PETE SWSA SPORTS 1503.4 574.6 51 LASATER, JOHN HSS SPORTS 1471.9 571.0 52 PARSONS, JIM HSS SPO		PETERSEN, LES	DCC	CPORTS	1909 6	729.9	
41 SANDRONI, HUGO SULA SPORTS 1892.5 723.3 42 BURNS, RICHARD PSS EXPERT 1888.4 721.8 43 FEDELLECK, JERRY SULA EXPERT 1873.3 716.0 44 OLDENBERG, ED TOSS EXPERT 1846.5 705.7 45 FINK, DAN SULA EXPERT 1838.9 702.8 46 HALLFORD, PHILIP PSS SPORTS 1819.0 695.2 47 STAFFORD, IRV NCC EXPERT 1811.3 692.3 48 SHAW, BRYAN NONE SPORTS 1648.4 630.0 49 LEPPLA, FRANK PSS EXPERT 1558.6 595.7 50 OLSEN, PETE SWSA SPORTS 1503.4 574.6 51 LASATER, JOHN HSS SPORTS 1497.7 572.4 52 PARSONS, JIM HSS SPORTS 1473.9 571.0 53 DeGREVE, PATRICK PSS SPORTS 1279.1 488.9 54 BLAKKOLB, BRIAN NONE <td></td> <td>GLASS, ROBERT</td> <td>. F33</td> <td>SPORTS</td> <td>1902.0</td> <td>727.0</td> <td></td>		GLASS, ROBERT	. F33	SPORTS	1902.0	727.0	
42 BURNS, RICHARD PSS EXPERT 1888.4 721.8 43 FEDELLECK, JERRY SULA EXPERT 1873.3 716.0 44 OLDENBERG, ED TOSS EXPERT 1846.5 705.7 45 FINK, DAN SULA EXPERT 1838.9 702.8 46 HALLFORD, PHILIP PSS SPORTS 1819.0 695.2 47 STAFFORD, IRV NCC EXPERT 1811.3 692.3 48 SHAW, BRYAN NONE SPORTS 1648.4 630.0 49 LEPPLA, FRANK PSS EXPERT 1558.6 595.7 50 OLSEN, PETE SWSA SPORTS 1503.4 574.6 51 LASATER, JOHN HSS SPORTS 1497.7 572.4 52 PARSONS, JIM HSS SPORTS 1473.9 571.0 53 DeGREVE, PATRICK PSS SPORTS 1279.1 488.9 54 BLAKKOLB, BRIAN NONE <t< td=""><td></td><td>CANDOONI UUCO</td><td>. rss</td><td>SPORTS</td><td>1892.5</td><td></td><td></td></t<>		CANDOONI UUCO	. rss	SPORTS	1892.5		
43 FEDELLECK, JERRY SULA EXPERT 1873.3 716.0 44 OLDENBERG, ED TOSS EXPERT 1846.5 705.7 45 FINK, DAN SULA EXPERT 1838.9 702.8 46 HALLFORD, PHILIP PSS SPORTS 1819.0 695.2 47 STAFFORD, IRV NCC EXPERT 1811.3 692.3 48 SHAW, BRYAN NONE SPORTS 1648.4 630.0 49 LEPPLA, FRANK PSS EXPERT 1558.6 595.7 50 OLSEN, PETE SWSA SPORTS 1503.4 574.6 51 LASATER, JOHN HSS SPORTS 1497.7 572.4 52 PARSONS, JIM HSS SPORTS 1473.9 571.0 53 DeGREVE, PATRICK PSS SPORTS 1279.1 488.9 54 BLAKKOLB, BRIAN NONE EXPERT 1148.3 438.9 55 GRISANTI, PAUL NONE SPORTS 1091.5 417.2 56 CAMERON, SCOTT NONE SPORTS 1091.5 417.2 57 SMITH JIM PSS EXPERT 1936.4 357.9		DIDNE DICUADO	PSS	EXPERT	1888.4	721.8	
44 OLDENBERG, ED TOSS EXPERT 1846.5 705.7 45 FINK, DAN SULA EXPERT 1838.9 702.8 46 HALLFORD, PHILIP PSS SPORTS 1819.0 695.2 47 STAFFORD, IRV NCC EXPERT 1811.3 692.3 48 SHAW, BRYAN NONE SPORTS 1648.4 630.0 49 LEPPLA, FRANK PSS EXPERT 1558.6 595.7 50 OLSEN, PETE SWSA SPORTS 1503.4 574.6 51 LASATER, JOHN HSS SPORTS 1497.7 572.4 52 PARSONS, JIM HSS SPORTS 1473.9 571.0 53 DeGREVE, PATRICK PSS SPORTS 1279.1 488.9 54 BLAKKOLB, BRIAN NONE EXPERT 1148.3 438.9 55 GRISANTI, PAUL NONE SPORTS 1124.3 429.7 56 CAMERON, SCOTT NONE <td< td=""><td></td><td>EBDELLECK IERRY</td><td>SULA</td><td>EXPERT</td><td>1873.3</td><td> 716.0</td><td></td></td<>		EBDELLECK IERRY	SULA	EXPERT	1873.3	716.0	
45 FINK, DAN SULA EXPERT 1838.9 702.8 46 HALLFORD, PHILIP PSS SPORTS 1819.0 695.2 47 STAFFORD, IRV NCC EXPERT 1811.3 692.3 48 SHAW, BRYAN NONE SPORTS 1648.4 630.0 49 LEPPLA, FRANK PSS EXPERT 1558.6 595.7 50 OLSEN, PETE SWSA SPORTS 1503.4 574.6 51 LASATER, JOHN HSS SPORTS 1497.7 572.4 52 PARSONS, JIM HSS SPORTS 1473.9 571.0 53 DeGREVE, PATRICK PSS SPORTS 1279.1 488.9 54 BLAKKOLB, BRIAN NONE EXPERT 1148.3 438.9 55 GRISANTI, PAUL NONE SPORTS 1124.3 429.7 56 CAMERON, SCOTT NONE SPORTS 1091.5 417.2 57 SMITH JIM PSS EXPERT 936.4 357.9		OF DENBERG ED	. TOSS	EXPERT	1846.5	705.7	
46 HALLFORD, PHILIP PSS SPORTS 1819.0 695.2 47 STAFFORD, IRV NCC EXPERT 1811.3 692.3 48 SHAW, BRYAN NONE SPORTS 1648.4 630.0 49 LEPPLA, FRANK PSS EXPERT 1558.6 595.7 50 OLSEN, PETE SWSA SPORTS 1503.4 574.6 51 LASATER, JOHN HSS SPORTS 1497.7 572.4 52 PARSONS, JIM HSS SPORTS 1473.9 571.0 53 DeGREVE, PATRICK PSS SPORTS 1279.1 488.9 54 BLAKKOLB, BRIAN NONE EXPERT 1148.3 438.9 55 GRISANTI, PAUL NONE SPORTS 1124.3 429.7 56 CAMERON, SCOTT NONE SPORTS 1091.5 417.2 57 SMITH JIM PSS EXPERT 936.4 357.9		EINE DAN	SHLA	EXPERT	1838.9	702.8	
47 STAFFORD, IRV NCC EXPERT 1811.3 692.3 48 SHAW, BRYAN NONE SPORTS 1648.4 630.0 49 LEPPLA, FRANK PSS EXPERT 1558.6 595.7 50 OLSEN, PETE SWSA SPORTS 1503.4 574.6 51 LASATER, JOHN HSS SPORTS 1497.7 572.4 52 PARSONS, JIM HSS SPORTS 1473.9 571.0 53 DeGREVE, PATRICK PSS SPORTS 1279.1 488.9 54 BLAKKOLB, BRIAN NONE EXPERT 1148.3 438.9 55 GRISANTI, PAUL NONE SPORTS 1124.3 429.7 56 CAMERON, SCOTT NONE SPORTS 1091.5 417.2 57 SMITH JIM PSS EXPERT 936.4 357.9		HAT I ECODO PHILIP	PSS	SPORTS	1819.0	695.2	
48 SHAW, BRYAN NONE SPORTS 1648.4 630.0 49 LEPPLA, FRANK PSS EXPERT 1558.6 595.7 50 OLSEN, PETE SWSA SPORTS 1503.4 574.6 51 LASATER, JOHN HSS SPORTS 1497.7 572.4 52 PARSONS, JIM HSS SPORTS 1473.9 571.0 53 DeGREVE, PATRICK PSS SPORTS 1279.1 488.9 54 BLAKKOLB, BRIAN NONE EXPERT 1148.3 438.9 55 GRISANTI, PAUL NONE SPORTS 1124.3 429.7 56 CAMERON, SCOTT NONE SPORTS 1091.5 417.2 57 SMITH JIM PSS EXPERT 936.4 357.9		CLYBEUDD IDA	NCC	EXPERT	1811.3	692.3	
49 LEPPLA, FRANK PSS EXPERT 1538.6 595.7 50 OLSEN, PETE SWSA SPORTS 1503.4 574.6 51 LASATER, JOHN HSS SPORTS 1497.7 572.4 52 PARSONS, JIM HSS SPORTS 1473.9 571.0 53 DeGREVE, PATRICK PSS SPORTS 1279.1 488.9 54 BLAKKOLB, BRIAN NONE EXPERT 1148.3 438.9 55 GRISANTI, PAUL NONE SPORTS 1124.3 429.7 56 CAMERON, SCOTT NONE SPORTS 1091.5 417.2 57 SMITH JIM PSS EXPERT 936.4 357.9		CHAW RRVAN	NONE	SPORTS	1648.4	630.0	
50 OLSEN, PETE SWSA SPORTS 1503.4 574.6 51 LASATER, JOHN HSS SPORTS 1497.7 572.4 52 PARSONS, JIM HSS SPORTS 1473.9 571.0 53 DeGREVE, PATRICK PSS SPORTS 1279.1 488.9 54 BLAKKOLB, BRIAN NONE EXPERT 1148.3 438.9 55 GRISANTI, PAUL NONE SPORTS 1124.3 429.7 56 CAMERON, SCOTT NONE SPORTS 1091.5 417.2 57 SMITH JIM PSS EXPERT 936.4 357.9		I PPPI A FRANK	. PSS	EXPERT	1338.0		
51 LASATER, JOHN HSS SPORTS 1497.7 572.4 52 PARSONS, JIM HSS SPORTS 1473.9 571.0 53 DeGREVE, PATRICK PSS SPORTS 1279.1 488.9 54 BLAKKOLB, BRIAN NONE EXPERT 1148.3 438.9 55 GRISANTI, PAUL NONE SPORTS 1124.3 429.7 56 CAMERON, SCOTT NONE SPORTS 1091.5 417.2 57 SMITH JIM PSS EXPERT 936.4 357.9		ALCEN PETE	- SWSA	SPORTS	1503.4	574.6	
52 PARSONS, JIM HSS SPORTS 1473.9 571.0 53 DeGREVE, PATRICK PSS SPORTS 1279.1 488.9 54 BLAKKOLB, BRIAN NONE EXPERT 1148.3 438.9 55 GRISANTI, PAUL NONE SPORTS 1124.3 429.7 56 CAMERON, SCOTT NONE SPORTS 1091.5 417.2 57 SMITH JIM PSS EXPERT 936.4 357.9		LASATER TOHN	. HSS	SPORTS	. 1497.7	572.4	
53 DeGREVE, PATRICK PSS SPORTS 1279.1 488.9 54 BLAKKOLB, BRIAN NONE EXPERT 1148.3 438.9 55 GRISANTI, PAUL NONE SPORTS 1124.3 429.7 56 CAMERON, SCOTT NONE SPORTS 1091.5 417.2 57 SMITH JIM PSS EXPERT 936.4 357.9		PARSONS IIM	. HSS	SPORTS	. 1473.9	571.0	
54 BLAKKOLB, BRIAN NONE EXPERT 1148.3 438.9 55 GRISANTI, PAUL NONE SPORTS 1124.3 429.7 56 CAMERON, SCOTT NONE SPORTS 1091.5 417.2 57 SMITH JIM PSS EXPERT 936.4 357.9		DeGREVE PATRICK	. PSS	SPORTS	. 1279.1	488.9	
55 GRISANTI, PAUL		DI AKKOI B BRIAN	NONE	EXPERT	. 1148.3	438.9	
56 CAMERON, SCOTT		GRISANTI PALIL	. NONE	SPORTS	. 1124.3	429.7	•
57 SMETH IIM PSS EXPERT		CAMERON SCOTT	NONE	SPORTS	. 1091.5	417.2	• '
58 SHAW, BILL		SMITH IIM	. PSS	EXPERT	936.4		
	58	SHAW, BILL	. NONE	SPORTS	820.4	313.6	

SOUTHERN CALIFORNIA SOARING CLUBS

10/15/89 TEAM SCORES

LISS 10	PSS 20	TOSS 5	SWSA 7	NCC 4	SULA 5ICC 0
993.0	936 3	929.9	958.5		994.9
972.7	922.5	884.1	943.1	894.4	869.6
951.2	910.8	852.7	812.9	830.1	723.3
948.8	897.6	851.9	784.5		716.0
3865.7					

DON ZINK MOVES TO EXPERT

SOUTHERN CALIFORNIA SOARING CLUBS

ANNUAL STANDINGS

NAM	Œ	. STATUS	. CLUB Sc	CORE CONTESTS
1	WURTS I	. EXPERT	. TOSS	. 3952.0 4
2	FINK D	. EXPERT	, SULA	. 3897.9 4 OF 5
3	MARTIN T	. EXPERT	. HSS	. 3859.2 4 OF 5
4	STALLS I	EXPERT	. HSS	. 3837.5 4
5	MORAN, M	. EXPERT	. TOSS	. 3785.1 4
	GRISWOLD, G			
6	GARNER, R	CAPERI	rice .	37513 4 OF 5
7	HENDRICKSON, E	CVBERT	TOCC	3733.7 4 OF 5
8	SLIFF, B	. EAFERI	nec	36801 4
9	ZINK, D	. EXPEKT	1100	2567A AORS
10	ZINK, D	. SPUKIS	. Noo	3560 8 4 OF 5
11	RICHARDSON, P	CROPTS	TOCC	35470 4 OF 5
12	McNAMEE, A	. SPORIS		2012 0 4
13	JENKINS, H	. SPORIS	3 W 3/1	2504.0
14	OLDENBERG, E	. EXPERT		24/70 4.055
15	CRON, A	. EXPERT	H55	244524 0.53
16	JOY, G	. EXPERT	H55	24723
17	SANDRONI, H	. SPORTS	SULA	21050
18	STAFFORD, I	. EXPERT	CUICA	2114 6
19	HOLLEY, M	. SPORTS	SWSA	3220.0 4
20	CHASTLER, F	. EXPERT	HSS	10000
21	DOUGLAS, I	EXPERT	Noc	2022 5
22	TILLMAN, N	. EXPERT	NCC	2005 1
23	LUEKEN, J	. EXPERT	NCC	
24	OLSEN, P	. SPORTS	SWSA	2811.9 9
25	RAYMOND, K	EXPERT	NCC	
26	EDBERG, D	. EXPERT	PSS	2820.1
27	SMITH, M:	. EXPERT	NCC	2792.0
28	MATSUMOTO, B	. EXPERT	PSS	Z/51.Z
29	ATWELL, B	. EXPERT	SULA	2/4/.4 3
30	SPENCER, R	. EXPERT	SULA	2/45.8 3

TEAM SCORES

HSS - 19,256.4 TOSS - 18,965.2 SULA - 18,434.6 PSS - 15,747.4 NCC - 14,476.5 SWSA - 13,772.4

ISS - 6,617.6

ELECTRIC FLIGHT

FAI

F3E

CONTEST

FOR 7 CELL AND OPEN CLASS MODELS

FLOWN TO CURRENT 1989-90 FAI RULES

ON THE 18TH 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: FEB 18 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

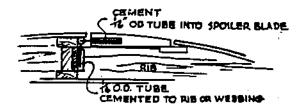
(714) 545-2185

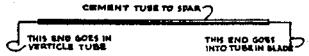
OR

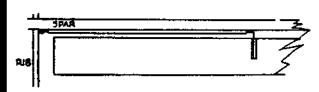
BOB SLIFF

(714) 895-1203

Eastfield BOOMERS_Texas







SPOILER CLOSING SPRING

Only the tubing is cemented to structure members. The 20 mil (.020) wire floats. The 1/16 OD tubing can be either round or square section brass.

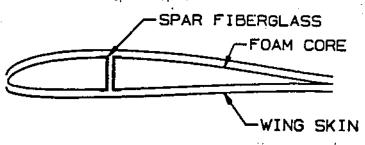
Pass the 20 mil wire through tube and bend both ends 90° in same direction (parallel), slip one end of the wire into the spoiler blade, and torque the other end and slip it in the vertical tube. Works great!

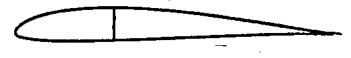
Tube is about 1/2 the length of the spoiler. Don't know who the originator was, but he did good!

Spoiler is hinged as usual with tape.

PORTLAND AREA SAILPLANE SOCIETY P. Chewning, Editor

This technique was shown to me by Mike Bamberg who apparently saw it in an issued of R/C Soaring Digest. The technique involves cutting the foam cores of the wing in half lengthwise. Then place Fiberglas in the slit and form it over partway on the top and bottom of the wing. The skins are then placed over this. The entire layup can be done at one time and is suitable for using the vacuum bag technique. The result is a Fiberglas spar that forms an integral structure with the skin, since the spar wraps around underneath the surface of the skin.





FINISHED ASSEMBLY

A BRIEF HISTORY OF THE ANCIENT ART OF REMOTE CONTROL SAILPLANES

by G.A. Dees

Extracted from Soar Tech January 1985

As it turns out, thanks to some startling new evidence that has come to my attention, R/C sailplanes have been plying the skies of planet Earth for quite some time before the Wright Brothers and, in several cases, even before the birth of Christ! The most shocking example of a recorded ancient R/C sailplane flight came from the discovery of a fresco on the wall of an obscure priest's tomb dating from the reign of Cheops II found recently in the low-rent district of the Valley of the Kings in Egypt. A drawing of this fresco appears on the cover of this issue of Soar Tech as no photos have been allowed and a great deal of effort has been expended to keep this discovery quiet. It is only fitting that the discovery of man's first successful efforts in the direction of flight appear in an obscure journal such as this (no offense intended, Herk) since it is a fact that the first report of the Wright Brother's successful POWERED flight appeared in the AMERICAN BEE JOURNAL, a periodical devoted to the development of bee keeping!*

The pharaoh Cheops, it turns out, had a thing for flying. It seems that Egyptian pharaohs, being considered gods, were expected to hob-nob and otherwise rub elbows with Ra as he made his daily trip from east to west across the sky in his flaming chariot. This hob-nobbing and elbow-rubbing was made easier by the fact that Ra shed a hell of a lot of heat on those desert sands creating thermals that reached the pyramid-block sucking stage just before noon, B.C.

Well, we ain't too sure exactly when some bright boy added up two-and-two and began hot-stuffing reeds together and covering them with papyrus dipped in embalming fluid, but it could have happened as early as 500 years before Cheops did his thing.

All this sounds just fine and dandy, except for the fact of: Just where did they get the radio equipment?

Now pardon me for being rude, but any idiot that has read Erich Bon Daniken knows that the Ancient
Astronauts passed out complementary samples just before checking out of the palace. They even left a "1-800" number just in case the pharaohs wanted to order more. This happened about 11 o'clock in the morning (regular checkout time) B.C.

The pharaohs had such a ball flying, hob-nobbing, and rubbing elbows with Ra and, in general, getting such a kick out of their sailplanes that they promptly declared it heresy for anyone else besides pharaohs and a few selected high priests to indulge (a note of interest: a few deaf and dumb cunuchs were allowed along-after all, somebody had to shag chutes and fetch cold Coca-Colas because it's hot out there in the desert while Ra is making thermals).

Everything was going just great for about a couple of hundred years when a pharaoh (who shall remain nameless) started having trouble with a dude named Moses. Moses, it seems, got mad because the pharaoh wouldn't let his people fly** and caused plagues and other bad stuff to happen to Egypt. Some of this "bad stuff" blocked out the sun and Ra couldn't make thermals anymore. Not only that, but the wind blew like the dickens all day long and some of the pharaohs' best birds got busted--one even got blown into the Nile only to be snarfed up by a crocodile!

Boy! The pharaoh got really bent out of shape--you see, he wasn't himself with all this Moses business going on and everything--but, just then, a bright up-and-coming junior priest saved the day with an idea.

"Why not build a pyramid--a really BIG one--and then you could slope soar no matter which way the wind blew and the lack of thermals wouldn't make any difference!" says the priest to the pharaoh.

"Great!" says the pharaoh to the priest.

So they built the Great Pyramid which stands to this day. Folks have got the wrong idea about what it was built for but then this story is a little hard to swallow too.

--and the only mummies found in that pyramid were of some long-gone cows* (We all know that they were the all-dried-out, leftovers from the "after-the-contest-BBQ" that was held sometime after 4:30 in the afternoon, B.C.)!

There was a happy ending for Moses and his gang, though. The Pharaoh let his people fly and they all went over to the Sinai so's there wouldn't be any frequency conflict (you see, Moses had to "hob-nob" with someone up in the sky too!)

G.A. Dees

Professor of Pseudo-History

Sally's Gas Station &

Chann School

Virginia Beach, VA US of A

*(footnote: The remarks about the American Bee Journal & cow mummies being found in that Great pyramid are the only bits of truth to be found in this pack of lies!)

**(footnote: fly, flee, go--it's all in the way you want to translate it.)

AIRFOIL UPDATE

by John Bitzberger

Extracted from SWSA's PopOff Oct. Issue

Well, the data from the Princeton wind tunnel test if finally on the street. Ho-hum!!! I guess that about describes it. There were no, repeat no, startling discoveries. By startling, I mean something along the lines of the second coming of the Lord. However, there were a lot of noteworthy items which I would like to discuss briefly.

1. Based on the tests, there is no reason to quit flying what you are happy with. Your favorite bird will keep on performing as it has in the past.

2. Depending on what you are flying, there were some new things discovered or reemphasized in the tests:

a. Almost all airfoils suffer from a condition known as laminar separation bubble, which can be corrected more or less be the judicious use of a trip strip correctly placed along the span of the airfoil;

b. Some of the newer airfoils don't need the treatment;

c. Some airfoils thermal very well at a slow air speed, and some airfoils thermal just as well but must be flown at a higher airspeed.

Can you believe that? All the time and money spent on this project and this is all the practical news that I can use. It boils down to this, if you just want to "circle in sink" on no wind days stick to your Paragon—it's as good as it gets.

For the rest of us, read on, there are a few more things to discuss. The following airfoils used on the same airplane with the same planform, are well within the inability of the average pilot to distinguish a performance difference:

- 1) Clark Y (Gnome airfoil)
- 2) E-214 turbulated at 20%
- 3) S-3021
- 4) S-3010
- 5) RG-15
- 6) E-387 turbulated at 20%
- 7) E-374 turbulated at 20%
- 8) Some of the newer Selig/Donnovan airfoils.

All of these airfoils thermal very well and have very good L/D ratios faster than min-sink. For your information, Selig flies a Windsong (with a trip strip) when he just wants to thermal. For speed and distance the fastest is the RG-15, then a photo finish between the S-3021 and the E-374. The middle ground is held down by the S-3010, the Clark-Y and "some of the newer Selig/Donnovan airfoils." The slower ones are the rest. The S-3021 and S-3010 can both be thickened to about 11-12% without much degradation in performance, except in the high speed area.

Then there are a group of airfoils that don't thermal as well and are not as fast as the group above:

- 1. The Gemini
- 2. S-4061 (Prodigy, Quarsoar, Chupperosa)
- 3. The rest of the Epplers (E-205, E-193, etc.)

Ain't it just wonderful? We can still argue about the relative merits of this or that magic airfoil.

Now here's a shocker, two guys can go out and buy the same kit and one guy decides to modify a few things, namely, her buys a fiberglass fuse to fit and he takes the time to build a flying tail that is more or less (mostly more) a working airfoil. The modifier will have a much better flyer and both pilots will be able to discern the difference in the air. Reducing drag aft of the wing is the best thing you can do to improve your glider's performance.

Next season's airplane. That's a good question. My best guess is that if it was available I would buy Joe Wurts' Areil that is since deceased. I believe a good second choice would be Larry Jolly's new Winsome (E-374), or maybe a Falcon 880. For a built-up, I already have it, unless I want to try a built-up E-374, which isn't a bad idea. I hate to say it, but, I've become a believer in the modified E-374. There are some kits I wouldn't buy, and they all have airfoils listed in the last group above.

Well, keep your tails laminar, and keep practicing.

John Bitzberger

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* FALL SOARING F	ESTIVAL @	VISALIA. CA. *
* #16 pr	esented by	#16 *
* CENTRAL VALLEY	/ RC CLUB	10ープノ8―89 *
******	********	*****

PLC	CONTESTANT		CLUB	TOTAL	PLC	CONTESTANT		CLUB	TOTAL	PLC	CONTESTANT		CLUB	TOTAL
1 2	WEAVER SPENCER	FRED	SBSS SULA	1859 1840	53 54	RICHARDSON RENAUD	,FUDGE ,TIM	CVRC	1600 1594	105 106	DOUGLAS STRAHN	, IAN ,AL	SWSA SBSS	1374 1361
3	6EORGE	,RANDY ,CHRIS	CVRC	1837	55	OLDENBUR6	.EDWARD	TOSS	1593	107	Carter	.ROM		1346
4 5	ANDERSON McGonan	.CARL	FSS SSS	1835 1827	56 57	WETZLER Lent	.CL.IFF	CVRC	1586 1585	10B 109	WALTER Dolan	,HIKE ,TIN	SCSA	1328 1315
Š	STREN	, BOB , JAY	PSS	1823	58	RAMBO	DOUS PETER	SSS	1572	110	CRONDER Schwemmer	.MARION	FSS	1310
7	MATSUMOTO	.BEN	PSS CURE	1817	59 60	PALETHORPE Arana	, TONY , GERALD	SBSS	1571	111 112	SCHWENNER Muttenn	,KEITH	NCC SSJSS	1307 1298
8	COPP	SCOTT TOM	CVRC BDINK	1807 1807	- 61	MCNAMEE	, DON	TOSS -	1570 1569 1568	113	WHITSON PUCHALSKI	, MAX , MARK	SULA	1296 1294
10	6EOR6E	.STEPHEN	CVRC	1800	62	BAUER	,PHIL	DVSS	1568	114	DARLING	DAVE	MRCC	1294
11 12	EDBER6 Smith	DON Mérv	PSS CVRC	1795 1788	63 64	COLLINS BRANDT	STRETCH DENNIS	FSS PSA	1566 1564	115 116	CLANCY GAYLORD	, MIKE , MICHAEL	SSS	1283 1282
13	FINK	DANIEL	SULA	1774	65	SHITH	RALPH	CYRC	1556	117	MCGOWAN	.RAY	SSS	1278
14 15	PERKINS Henry	,DARYL ,DELL	CVRC	1759 1751	66 67	JENKINS PAIGE	HARVEY GEORGE	SWSA SBSS	1541 1540	11B 119	ASTLE PETTEN	JOHN NICHAEL	SSJSS	1268 1267
16	MORAN OVERTON	MYLES	TDSS	174B	6B	FOX	JERRY	CVRC	1540	120	CRON	.AL	HSS	1255
17	NUFRTON	TON	SBSS	1742	69	WEISMAN	.EDGAR	TOSS	1540	121	KOZJIK	.JDHK	CVRC	1234 1233
18 19	LENCI Burns	RONALD RICHARD	MRCC PSS	1741 1725	70 71	JONES Lindgren	RICHARD RON	TOSS	1535 1530	122 123	SLEIGHT Degreve	,ROBIN ,PATRICK	PSS	1218
20	TATUM	, DAN	SWSA	1720	72	KRAINOCK	.JERRY		1530	124	DEGREVE ALDINGER	.DEAN		1211 1199
21	JOLLY STILES	DAN LARRY NARK	SSS	1716 1712	73 74	BITZBERGER SLIFF	, JOHN , BO8	SWSA HSS	1529 1528	125 126	BROOKS Navinson	, NOEL , DAN	PSS DVSS	1183
22 23	OLSEN	PETER JR	SNSA	1711	75	HANSON	.ERIC	PSS	1528 1522 1521	127	DAVIDSON GILLBERG STRAUSS	.6E0R6E	SSJSS	1177
24	ROSE	PAUL	CVRC	1701	76	BALL	AUSTIN KEITH	SSJSS PSS	1521 1519	128 129	STRAUSS Husmann	BILL CHRIS	SULA	1177 1167
25 26	LASATER COLLINS	,PETER JR ,PAUL ,JOHN ,RON	FSS	1695 1693	77 78	KINDRICK Nutter	,DALE	P55	1517 1516	130	BUTKOVICH	,DAVID	PSS	1167
27	UNAMEE	*HKI	1055	1689	79	CLIFTON	.GLEN	SNSA	1512	131	RATNER	MIKE	PSS	1166
2. 29	ALSON Durhan	, HARRY , JACK	SSS HSS	1681 1678	80 81	CASE BOYD	,ED ,STAN	CVRC CVRC	1505 1505	132 133	AVESON RITSCHKE	,DAVID ,GORDON	SWSA HSS	1150 1148
30	HILL	PHIL	CVRC	1675	82	MEININGER	,FREDRICK	PSS	1504	134	HOWARD	, JACK	SSJSS	1139
31	ASNAULT	.LEO	SSS	1669	83	CLARK	,DEAN	NCC	1500	135	MCCOL6AN TONNELLT	, DONALD	SNSA	1136
32 33	HIPP Leppla	,ED ,FRANK	CVRC PSS	1665 1656	84 85	MULLIGAN BILLMAN	, shawn , todd	SSS SWSA	1490 1480	136 137	TONNELLI Roberts	JERRY GARY	SSJSS PSS	1111 1058
34	MILUVIC	. NOFI	PSS	1651	86	LAMPRECHT	.DIFTFR	HSS	1478	138	PANTZAR	.DICK	HSS	972
35 36	WURTS	JOE	TOSS TOSS	1651 1650	87 88	NEMECEK Joy	,DAVID ,GEORGE	HSS HSS	1474 1473	139 140	FARLESS ARRIAGA	,DAVID ,BOB	PSS FSS	939 890
37	NURTS HENDRICKSON GRISHOLD	CHARLES	TOSS	1643	89	LEVIN	.EARL		1463	141	DAVIS	JOHN	SYSA	677
38	NORTHERN	, אטע,	TOSS	1638	90	LANDRETH	, DEAN	SMSA	1462	142	BRADFORD OLDERSHAN	JIM SR.	CVRC SSJSS	778 767
39 40	GARNER FINKENBINER	RICH	HSS NCC	1639 1636	91 92	SPROUL STONE	,BILL ,DON	FSS	1456 1448	143 144	AVESON	VERN BRUCE	SWSA	728
41	GEORGE 1	. JASDN	CVRC	1627	93	PETERSON	.ALAN		1446	145	TAYLOR	,LARRY	CYRC	655
42 43	METENBERG JENNIKGS	KENNETH GORDON	SULA	1626 1625	94 95	VICKERS CARR	,DON PETER	CVRC	1439 1437	146 147	WHITE DDE	, RICHARD .DON	SSJSS SSS	500 494
44	WEAVER	.SAIL	SBSS	1621	96	PAULSON	, PETER , KARL	SBSS	1436	148	WARD	.KATHY		370
45	HOVER	.GARY	CVRC	1620	97	ANTHONY	. DONALD	DVSS	1433	149	FORREY	LRILL	LEGS HSS	354 339
46 47	PETERSEN Turner	,LES ,CLAUDE	SNSA CVRC	1619 1616	98 99	ANDERSON	, WILLIAM , GARY	CVRC	1424 1415	150 151	HARRIS PRATT	, PHIL , CHRISTOR	naa PHER	222
48	HOLDER	.EDWARD	SBSS	1613	100	GLITHERO	,IAN	CASL	1412	152	BRENGMAN	.DELMAR	SBSS	178
49	Thacker	,COL. BOB ,NARY	PSA SWSA	1611	101 102	MARTIN	,TONY ,KEVIN	HSS SSS	1407 1382	153 154	OLSEN MANOCCHIO	ROBIN STEVE	SNSA CVRC	166 27
50 51	HDLLEY ROSE	. HARRY	CVRC	1606 1606	102	KELLER	JAMES, Sr	SNSA	1379	134	UNDOCCUTO	PHEAE	CAUC	21
52	KEENAN	, JERRY	CVRC	1603	104		HOWARD	SULA	1377					

CLUB STANDINGS:

1.	CVRC	7232
2.	PSS	7160
3.	SSS	6889
4.	SBSS	6835
5. 6.	SHSA	6738 6656
7.	SULA	6617
8.	FSS	6550
9.	HSS	6322
10.	SSJSS	5264

HARBOR SOARING SOCIETY (SC)² CONTEST

19th November 1989

SIGN IN

8:00 A.M.

CONTEST DIRECTOR

PILOTS MEETING 8:45 A.M. FIRST FLIGHT

9:00 A.M.

George Joy (714) 556-6385

ENTRY FEE

\$6.00

AWARDS to TOP 5 and TOP 3 SPORTSMAN

ROUND #1 CHOISE of 3, 5, or 7 MIN. FLIGHT.

ROUND #2 7 Min. MAN-ON-MAN 900/100

ROUND #3 2 Min. BELL CURVE 700/300

STANDARD 25 FOOT LANDING CIRCLE

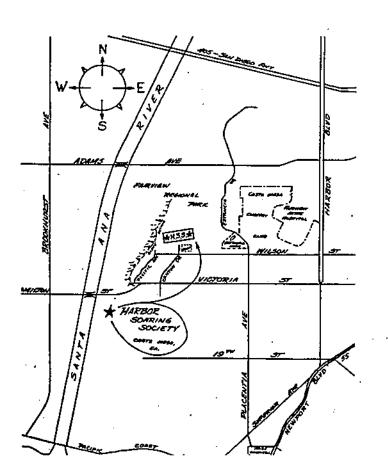
WINCHES ARE ALL 12 VOLT

LINE LENGTH AT 700 FEET.

LANDING SURFACE IS DIRT



NOTE



AWARDS WILL BE GIVEN DUT AFTER THE CONTEST TOTHE TOP 10 FLYERS FOR 1989 USING THE BEST 5 SCORES FOR EACH FLYER, TEAM SCORES WILL USE ALL 6 CONTESTS.