

Newsletter
of the
Harbor Soaring Society

September, 1994
VOL. 31 NO. 9



H.S.S. BOARD MEMBERS

President: Steven Fink	(714) 645-0459
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Treasurer: Del Marcussen	(714) 730-7998
Contest Coord: Mike Aguirre	(714) 645-6419
General Dir: Andy Sanders	(714) 751-9235
Ross Thomas	(714) 638-0705
Newsletter Ed: Pete Young	(714) 892-3473

NEWSLETTER SUBMISSIONS

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 Pete Young in person or by mail to: 6592 Belgrave Ave., Garden Grove, CA 92645.

MEETING LOCATION

Hobby Shack Retail Store, Bandilier Circle, Fountain Valley. The meeting will be held in the back storeroom of the store.

PRESIDENT'S MESSAGE

by Steve Fink

Hot enough for you? As this is written, we are having record-breaking high temperatures on consecutive days. Just when we all thought this summer might be cool, blammo! Hot and hotter!

After 2+ years as newsletter editor, Pete Young has decided to pursue other challenging tasks. Indeed if you have seen the current issue of RCM, there's Pete, tongue planted very firmly in cheek, with one of the funniest detective novelettes of all time. At any rate, Peter's ready for a change and so ... if you've access to a word processor, please step forward one pace and help the club out for a while. Thanks!

Dateline England: Three crazed sharks, species known as "Mako", declare aerial battle over the skies of this beleaguered country. Since the Mako is atop the food chain and has consumed all lower species in America, they sought fresh food "across the pond" and they weren't looking for bangers and mash. When the feeding frenzy was over, Michael Aguirre was third in the world at F3J soaring with Ben Clerx and Roger Lackey close behind. Congratulations to a group of good men and great pilots.

(continued, page 2)

PRESIDENT'S MESSAGE, cont.

Although only September, please remember that new board officers will be nominated at October's general membership meeting. Two major goals have been achieved with the current board. First, to regain the fun and comfort of our flying, for fun and contest, without dreading annoyance, confrontation, or rule stretching (and wing stretching). Second, to solidify HSS' position with the City of Costa Mesa Parks Department. Our flying site is secure and will remain part of the Park's dedicated activities. By the way, HSS is the sole soaring club recognized by the City for Fairview Park.

So as Ben, Norm, and Andy before me, it is time to change the guard again. Please consider giving something back to your club and your friends in 1995.

A special note of thanks: Ross Thomas has a big black van. Good thing too, 'cause Ross is the guy who brings the bulk of the contest gear each month. Without him we'd all be in deep kim chee. Thanks, Ross!

AUGUST MEETING MINUTES

- The August meeting was called to order by Steve Fink. The minutes were accepted as submitted. Maxine Thomas, attending her first HSS meeting, was welcomed as a guest.
- Steve summarized the July SC2 contest hosted by HSS at Fairview Park. 71 pilots registered and flew, a good turnout. Thanks to the many HSSers who volunteered and

helped out with the contest.

OLD BUSINESS

- Fred Hartmann asked about the status of the demonstration requested by a local school. Steve Fink will provide follow up.

- Pete Young reported that the deal to buy servos at a discount has been dropped - the hoped-for cost savings were not significant.

NEW BUSINESS

- Pete Young mentioned that he has completed a survey of micro and mini servos. The data base lists mail order prices, sizes, weights, torque, speed, and other parameters. Some interesting findings were discussed. Reliability was mentioned as a key factor, and Ben Clerx noted that he has had good results with JR 3321 and Airtronics 141s for flaps, and Futaba metal geared 5102s for servos. Several HSSers have had good results with JR 341s for flaps and ailerons, others have experienced gear damage.

- For Show and Tell, Pete brought along a newly finished DCU Toucan, a forward swept wing tailless slope ship designed by Larry Renger, recently published in MAN.

- A raffle was held for a \$25 gift certificate from Hobby Shack. Despite showing up late, Sean Monahan won the certificate.

- The meeting closed with Ben Clerx summarizing the results of the Mako Team's recent visit to England.

-- Pete Young

Interglide 1994

Note: the following is a summary of Ben Clerx' remarks at the August club meeting. Any errors in the writeup are the responsibility of the transcriber.

In July, Roger Lackey, Ben Clerx, and Mike Aguirre flew to England to take part in Interglide 1994, a prestigious F3J competition (not a World Championships) which attracted about 100 fliers. The field was a ex-RAF base used for Spitfires during WWII, and featured endless expanses of close cut grass, "approximately 5 times larger than the Indio polo fields." Weather conditions were mild and fair, similar to California conditions, with occasional rain showers late on the second day.

The sailplanes were handtowed using a 150 meter line, man-on-man format, 8 fliers at a time. 3 rounds were flown on Saturday, 2 rounds on Sunday, using 10 minutes per round. The objective was to score the longest flight in the round to make 1000 points, relauches permitted. F3B landing tapes were used for landings, with 100 points possible.

With 5 to 6 seconds used for tow, 9:54 - 9:55 was a realistic maximum flight time per round. The strategy was to zoom off the line, early during the tow when the line tension was maximum, not flying "over the top."

The Mako Team arrived early and practiced on Friday, and Ben surprised the locals by consistently thermalling

out from hand tosses, and also by flying his Mako in for hand catches - this last provided a significant tactical advantage for quick relauches during a round.

Ben, Roger, and Mike were flying stretched 122" Makos, about 67 oz, which could float with the floaters, but could also penetrate with the heavy machines. The other designs flown tended to separate into two different approaches: 12'-14' fiberglassed polyhedral machines, and F3B designs. Many competitors would go to the launch area with two aircraft: a "floater" for calm conditions, and a heavier design for windier conditions. The Germans flew the Ellipse II, all molded machines with RG-15s and flawless workmanship. These weighed about 90 oz, spanned about 110", 15 - 17 oz/ft² wing loading, and flew extremely well in light air.

On Saturday, Ben, Roger, and Mike flew well, but Ben and Roger dropped time in one round apiece to knock them out of the lead. On Sunday, the three flew perfect rounds for the day, and Mike made the 12 person finals. The Makos were a revelation to the other competitors who marvelled at the light weight for the size, high launches, excellent handling and thermalling characteristics, and flyability in calm or windy conditions. The landing skegs were also a novelty, and impressed competitors with their ability to stop the gliders in wet grass - more skegs will be seen next year!

In round 1 of the flyoffs, Mike made high time

Interglide 1994, cont.

for the 15" round and at this point was leading the contest. With conditions totally calm for the second round following a rain shower, Mike launched using two tow persons on a pulley, and his Mako went up "like a rocket." He flew 9:30+ and ended up placing third in the flyoff, quite an impressive achievement for the Americans.

Ben closed the talk by elaborating on the advantages of F3J: no winches or retrievers to maintain, simple launch equipment, less field workers required, simple scoring, and a greater emphasis on flying skills versus landings. Unlike the competition at Hilton Head, the flying at Interglide 1994 was more relaxed and very enjoyable. The Mako Team has already made plans to return to Europe in 1995 to fly on the Continent.

- reported by Pete Young

FYI

... the July HSS Monthly was cancelled due to low turnout, those attending were treated to spectacular man-on-man F3J competition between Roger Lackey, Ben Clerx, Mike Aguirre, Dennis Brandt, Edgar and B J Weisman, and Pete Richardson ... seen at the field: Dennis Brandt and Larry Jolly with two new designs: Viper, built up wing, 3021 foil, 106" span, FG fuse, extremely attractive lines; and Volant, 3021 foil, two meter span, V-tail, glass fuselage ... Gerald Briggs has

stretched a 2M Gnome to 100", looks good and flies great ... hats off to Ben Clerx and Mike Aguirre for CDing the July 31 SC2 at Fairview and placing 1 - 2 with their 122" Makos ... how about Gordon Poulsen, flew extremely well at the SC2 with his stock 2M Gnome against the composite/computerized "glass slippers" ... let's hear it for fearless Joe Shearweb and partner Hi Start, crime-fighting superstars of the glider police ... yet another attractive composite European import: the Czech Thermic B, 120" span, E-387 airfoil, T-tail, slip-on nose cone, interior center keel for equipment, all molded, available for \$400 from LJMP, contact the editor for more info ... at the July SULA Monthly, Mako's take five out of the top six places ...

SC2 AT FAIRVIEW PARK!

The July SC2 tournament was hosted by the Harbor Soaring Society at Fairview Park, CDed by Ben Clerx and Mike Aguirre. Thanks to exceptionally good turnout by HSS volunteers, the 71 registered fliers were welcomed by sufficient equipment and HSSers to make for an enjoyable soaring day.

The tasks were 3 rounds of precision duration, with 4" the goal for the first round, and pilot's choice of 4" or 8" for rounds two and three. Weather conditions were moderate and fair, with lift plentiful under gradually clearing skies.

When the final results were in, Keith Finkenbiner

SC2, continued

from North County Clouds finished first in the 60+ category with a Thermal Eagle. In Sportsman, HSSer Mike Carrico took first with his Genesis, continuing a very consistent flying season; Don Richmond (TPG) took second, also with a Genesis, and young Bren Lugo (NCC) took an excellent third with his Legend.

In Expert, HSSers Ben Clerx and Mike Aguirre took 1-2 with their 122" Makos. Joe Wurts, flying a Falcon 880, beat out Aaron Valdes' (TPG) new Edberg-imported Diamant in an exciting man-on-man flyoff to decide the third and fourth positions. Don Edberg finished fifth with his new Diamant.

Thanks to the high placing performances of the host HSSers, HSS manages to maintain a slim lead in season standings over the other clubs, with the extremely competitive TPG only 46 points behind out of almost 19000 total points!

Mike Aguirre and Ben Clerx wish to convey their sincere appreciation to the many HSSers who volunteered their time and efforts with supplying and working the launch equipment, and manning the impound, registration, and landing circles. Thanks, folks, the support was exceptionally fine.

CLASSICS UPDATE

At this point in the 1994 season, here is a status on the Classics event in its inaugural year. Its been refreshing to see the variety

of polyhedral, rudder/elevator machines flying, and its been even more fun to see planes like Gordon Ritschke's Aquila XL flying, and winning, at the field.

Fairly good rumors have it that clubmembers are building the following Classics designs for future Classics competition: Bird of Time, Spirit 100, LJMP Meteor, and other good flying machines. I've flown Gerald Briggs new 100" Gnome and it has excellent handling and performance potential - it should be competitive in future competitions.

For those looking for Classics designs to build, contact the undersigned. HSS has discount coupons generously provided by Pierce Aero (Paragon, Gemini) and Buzz Waltz (Big Birdy, Conquistador, and other designs).

-- Pete Young

HSS September Monthly

CDs: Dave Nemecek, Pete Young
DATE: Sunday, September 11
FORMAT: 3 rounds precision duration @ 1000 points. Round 1: 4" mandatory, 900/100. Rounds 2 and 3: 4" (800/200) or 8" (900/100), pilot's choice, 25" runway landing.
EVENTS: Classics, Unlimited, 2M
START TIME: Pilots' meeting 8:45PM

THE DIAMANT

A NEW AGE MOLDED SAILPLANE
by Morry Smith and Don Ramsay

On the day the first shipment of Diamants arrived at Dynamic Modelling, Don Ramsay was tied up and I agreed to pick up both our planes. Upon my arrival, Don Edberg escorted me to his garage and pointed out 3 boxes containing 12 Diamants. Box 1 contained 12 beautifully crafted white fuselages with blue canopies perfectly packed in foam cradles and holddowns, matching the superb quality of the molded fuselages. Also packaged therein were fiber-glass aileron servo covers, molded rudders, stabilizers and hardware packages of clevises, pushrod ends, carbon fiber wing blades, and wing and stab rods for all 12 planes. Boxes 2 and 3 contained, 12 each, the right/left wing panels. These were also very well packaged with foam separators and taped into a solid block. After liberating the wing panels, the exceptional quality of the hollow molded wing panels was very apparent. Although strict quality control assures interchangeability between all parts, all molded parts were numbered to match the fuselages numbered from #301 to #312. Don and I took #301 and #302.

For simplicity, we used the throws suggested by Don Edberg. First, we located the hook position 90 mm (3 17/32") behind the leading edge of the wing fairing. We both used Sanyo 1000AE airborne packs, and added nose weight to balance at the suggested CG of 86mm (3 3/8"), about 8 1/2 oz total. Using an Airtronics Vision, we then went to work on control throws. There are 3 basic settings - normal

flight, launch mode, and landing mode (or butterfly/crow). The full flying stab moves up and down 5/16" at the LE. The rudder moves +/- 1".

The first flight produced a steep climbout, on rails, and a flight with no trim changes. We did see a little too much pitchup initially on launch, so we went to 1/32" more down elevator in launch mode. That corrected the pitchup. After a few more flights, checking out crow on landings (worked very well, by the way), we quit for the day.

On the next flights, we started moving the CG rearward. Finally, we settled on 90.5mm (3 9/16") for the hook position. This setting with 8 oz nose weight produced a solid flying plane, confirmed with a dive test showing a very gradual dive recovery.

On subsequent flights, small changes in rudder/aileron coupling were tried and a landing threshold setting was set up. The first eight clicks of the flap stick gives a small amount of flap (1/2") before the crow mode begins.

All the above adjustments are a guide to basic setup, and you should tailor the final settings to suit your personal preferences. Regardless of your final flying weight, you will find the Diamant flies like a much lighter sailplane. As Don Edberg says, "It flies like an Oly II, only a little faster." The E-193 airfoil really works well and shows a wide speed range without requiring ballast. Shoving the nose down results in breathtaking acceleration.

We are certain you will like your Diamant as well as we do - good luck and major thermals!

FOR SALE

- Harbor Soaring Society hats, shirts, and vinyl patches - Andy Sanders (714) 751-9235.
- Contest winner, priced to sell! Agnew Banshee 2M, ready to fly - 6 servos and switch, \$400, Rx and battery optional. Rahm winch and retriever system with batteries, foot switch, turnaround, chute, line, stakes, \$500. Steve Fink @ (h) 714 645-0459.
- Comergy F3B (Synergy IV molded wings, Muller Comet fuse and tail), very good condition, \$650 with 6 metal gear servos, \$600 with wing servos, includes RX battery, carbon joiner. Muller King, imported from Germany, good condition, \$550 with 6 metal gear servos, \$500 with wing servos only, includes RX battery, carbon joiner. F3E model built by Steve Neu, 80" span, plane only, \$70; with elevator and 2 metal gear aileron servos, \$130; with Astro FAI Cobalt 60 motor and speed control, \$300. Airtronics 94732 servos, 4 for \$85. Contact Don Edberg, (714) 552-1812 for info. All prices negotiable.
- 2 Mako's, RG-15 or SD 7037 airfoil, \$375 OBO. Sealy Laser, S-3021 airfoil, glass

fuse, balsa/foam wing, 124" span, slip-on nosecone, kit NIB, \$140. Mike Aguirre (714) 645-6419

- Falcon 880, SD 7037, with 4 JR 341s, 2 Airtronics 102s, RCD Rx, Vision Ch 57 module, wingbag, battery, harness, \$525 firm, \$400 with servos only, \$250 airframe only.

Mako, SD 7037, 4 JR 341s, 2 Airtronics 102s, battery, harness (no Rx or wingbag), \$425 firm, \$350 airframe only

- P-51 Penetrator high performance slope ship, NIB, \$65. Kyosho scale Zero, ARF electric with 05 motor, battery, props, etc, still in box, \$130. Pat Stoker, (310) 598-9029.

- LJMP Meteor, NIB, glass fuse, 120" span, \$140. Airtronics Legend, NIB, \$180. Ridge Rat, glass fuse, RTF, \$75. Midwest Silent Squire, foam wing, NIB, \$30. Dave Nemecek (714) 775-7196.

- 2M Whisper, RTF less radio, \$125. Bill Duncan, (714) 892-8665.

- Futaba FP-7FG 7 ch radio, TX & RX + RCD Platinum RX, \$95. FP-4FG 4 ch radio, TX and RX, \$60. RCD Micro 535 Platinum RX for Futaba FM, \$35. Pete Young, (714) 892-3473.

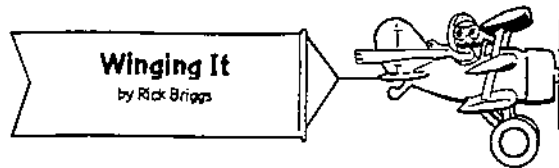
UPCOMING EVENTS CALENDAR

Sept 3	SULA 2M, Carson
Sept 7	HSS monthly meeting @ Hobby Shack, Fountain Valley
Sept 11	HSS Monthly, Costa Mesa
Sept 18	EDSF Monthly, El Dorado
Sept 24	SULA Monthly, Carson
Sept 25	International Postal Contest, Poway
Sept 25	SC2/EDSF, El Dorado

Oct 1, 2	21st Annual Fall Soaring Festival, Visalia
Oct 29, 30	TPG 2 Day Handlaunch Contest, Poway

future SC2: Oct/PSS, Nov/SULA

For more information, call Mike Aguirre at (714) 645-6419 or Pete Young at (714) 892-3473



OBECHE WING FINISHING

First, I would like to say thank you to all the H.S.S. club members for all your encouragement and help with building my new "MACO" V tail. It's been a long time since I have had so much fun with model building, especially with the new composites and current building methods.

A few of you have asked how I finished my Obeche Wings. At the request of Pete Young, I will attempt to explain the process. I basically followed Ben Clerx' instructions in the kit, for finishing the wings, with a few modifications.

1. After prepping the skins for laying up or vacuum bagging, I evenly brushed 1 liberal coat of "FLECTO" diamond finish varathane on the inside of the skins, (I used a throw away 2" foam brush) and let dry over night. The next evening, I lightly sanded with 320 grit no-fill just to knock down the fuzz, then brushed on a 2nd and final coat and let dry for 48 hours. This will stop bleeding of the epoxy through the Obeche, when bagging the wings.
2. When you are done bagging and get the wing ready for finishing, lightly sand the surface with 320 no-fill sand paper. Remember, **Obeche is thin** so be careful not to sand too much, just enough to get the surface smooth to the touch.
3. This next step is where the pores of the skin are filled. I work with West System 105 Epoxy Resin and 206 Hardener @ 5:1 mix. Purchase a plastic 4" squeegee, you can obtain a pack of mixed sizes from Home Depot, or an auto paint store. I mix a slow cure batch of West Systems using the premeasured pumps which batch about 2 oz. This will cover one side of both wings. When coating, place the wings on newspaper and proceed to spread the epoxy by pouring small amounts and then spread evenly with the squeegee. You will find that a little will go a long way. Take your time and keep the epoxy as thin as possible as you work it into the pores. When you have done both wings, use paper towels to remove any excess epoxy. When you are done, the surface should have an even sheen to it. Let dry over night.
4. Repeat the process until you have applied 2 coats to each side of the wings. Sand between coats with 320 no-fill paper, being careful not to sand through the epoxy (this will produce a blotchy effect). After you have applied 2 coats and sanded the final coat again with 320 no-fill, then sand the surface with #0000 fine steel wool, sanding in a length wise direction. This will give the surface an even finish.
5. At this point I use "Flecto" varathane, diamond finish satin (spray can) and apply 2 to 3 light coats using the fine steel wool between coats. (Hint: always use a painters tack rag before you spray between coats, this will give you a great dust free looking finish). The final coat may be left alone if you want more gloss to the finish. If you want a flat very smooth finish, I would suggest using the steel wool and some light paste wax for the final finishing. If you are going to use any paint accent's, hold on the wax until you complete the painting.

All the above materials can be purchased at Home Depot. The West System Epoxy can be purchased at West Marine products stores.

If you have any questions feel free to give me call Hm 310 433 6327.

Torrey Pines Gulls

Radio Control Soaring Society, Inc.

INTERNATIONAL HAND LAUNCH GLIDER FESTIVAL

Date: October 29 & 30, 1994

Place: Torrey Pines Gulls Thermal Field
West Garden Road
Poway, CA (San Diego, CA)

Times: Pilot check in - Saturday 7:30 AM
Pilot's meeting - Saturday & Sunday 8:00 AM
First Flight - Saturday & Sunday 8:30 AM

Tasks: **Saturday**

Round	Window	Throws	Objective
1	10	unlimited	longest three flights
2	7	six	one five minute
3	10	unlimited	increasing flights, must have at least 3 flights, first flight must be at least 15 sec., to receive credit for a flight it must be longer than the previously credited flight
4	10	unlimited	a two minute flight, a three minute flight, a five minute flight
5	10	unlimited	accomplish the following flight times in sequence: :15, :30, :45, 1:00, 1:15, 1:30, 1:45, 2:00
6	10	six	longest five flights, none over two minutes

Sunday

Round	Window	Throws	Objective
7	10	unlimited	longest three flights
8	10	unlimited	accomplish the following flight times in sequence: :15, :30, :45, 1:00, 1:15, 1:30, 1:45, 2:00
9	10	unlimited	increasing flights, must have at least 3 flights, first flight must be at least 15 sec., to receive credit for a flight it must be longer than the previously credited flight
10	7	4	three longest flights, none over two minutes

Fly Off - for top ten competitors

Round	Window	Throws	Objective
1	5	3	longest flight
2	4	4	three one minute flights
3	10	6	five two minute flights

Awards: 1st - 5th, top team (3 from AMA club) **BBQ:** Sat. night, \$9.00, catered by Tony Roma

Entry Fee: \$20 non refundable **Tee Shirts:** \$12.00

Lodging: -Camping at field, no hook ups **CD:** Steven Stricklett
-La Quinta Inn, \$43/night, two queen beds 2376 Viewridge Place
619 - 484 - 8800, mention contest Escondido, CA 92026
-Poway Country Inn, 619 - 748 - 6320 619 - 741 - 1037

Name _____ Phone (____) _____ - _____ AMA # _____

Address _____ Frequency 1st _____ 2nd _____ 3rd _____

City _____ State _____ Zip _____ AMA club _____

Tee Shirts: @ 12.00 each Small _____ Med _____ Lg _____ Xlg _____ XXlg _____

Dinners: @ \$9.00 _____

Entry Fee \$20.00

Tee Shirts _____

Dinners _____

PRE REGISTER TO RESERVE YOUR FREQUENCY . (Make checks payable to TPG)

Total Enclosed _____

Southern California Soaring Clubs

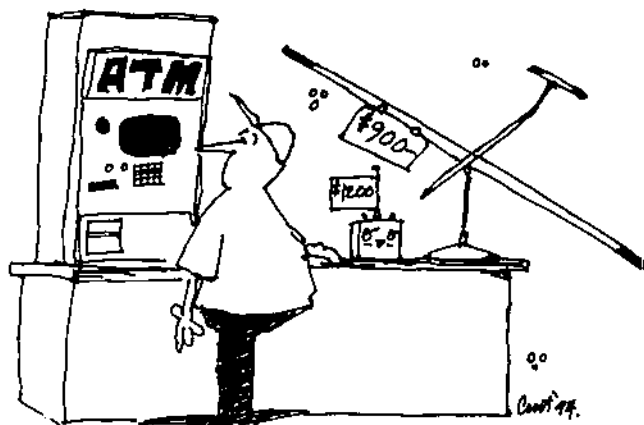
Results of HSS SC² Contest of 7/31/94

Contest Director - Ben Clerx

		SCORE NORM				SCORE NORM				
1	BEN CLERX	HSS	EXPERT	2981.0	1000.0	E1	55 JIM WILLIAMS	SWSA Sportsman	2511.0	842.3
2	MIKE AGUIRRE	HSS	EXPERT	2974.0	997.7	E2	56 WILLIAM MALVEY	NONE Sportsman	2505.0	840.3
3	JOE WURTS	PSS	EXPERT	2956.0	991.6	E3	57 RICK LACY	SWSA Sportsman	2478.0	831.3
4	AARON VALDES	TPG	EXPERT	2956.0	991.6	E4	58 STEVEN STRICKLETT	NCC Sportsman	2434.0	816.5
5	DON EDBERG	TPG	EXPERT	2946.0	988.3	E5	59 PAT STOKER	EDSF EXPERT	2394.0	803.1
6	LARRY JOLLY	SULA	EXPERT	2944.0	987.6		60 AL DOIG	NCC EXPERT 60+	2380.0	798.4
7	JIM MARKLE	EDSF	EXPERT	2941.0	986.6		61 MANNY TAU	HSS EXPERT	2333.0	782.6
8	FRED SAGE	TPG	EXPERT	2926.0	981.5		62 NORM KUTCH	HSS EXPERT	2306.0	773.6
9	MIKE REAGAN	TOSS	EXPERT	2919.0	979.2		63 RICK BRIGGS	HSS Sportsman	2215.0	743.0
10	RANDY SPENCER	SULA	EXPERT	2918.0	978.9		64 BRUCE AVESON	SWSA Sportsman	2158.0	723.9
11	ROGER LACKEY	HSS	EXPERT	2915.0	977.9		65 PETE RICHARDSON	HSS EXPERT	2090.0	701.1
12	RICH STROBEL	TPG	EXPERT	2912.0	976.9		66 ROBERT BROWN	NCC SPRTSMN	2033.0	682.0
13	JIM SKINNER	EDSF	EXPERT	2906.0	974.8		67 BOB POPE	EDSF EXPERT	1981.0	664.5
14	Keith Finkenbimer	NCC	EXPERT 60+	2904.0	974.2	60+	68 CURT NEHRING	SWSA EXPERT	1907.0	639.7
15	ART McNAMEE	TOSS	EXPERT	2893.0	970.5		69 ROGER STRICKLETT	NCC Sportsman	1792.0	601.1
16	MIKE CARRICO	HSS	Sportsman	2891.0	969.8	S1	70 GEORGE BOSS	SULA EXPERT	1668.0	559.5
17	DON VAN GUNDY	TPG	EXPERT	2889.0	969.1		71 SUE VAN GUNDY	TPG Sportsman	1622.0	544.1
18	DENNIS BRANDT	EDSF	EXPERT	2888.0	968.8					
19	BEN MATSUMOTO	PSS	EXPERT	2883.0	967.1					
20	RICK SHELBY	NCC	EXPERT	2881.0	966.5					
21	GREG BAGGERLY	ISS	EXPERT	2880.0	966.1					
22	GORDON POULSEN	HSS	EXPERT 60+	2874.0	964.1					
23	B J WEISMAN	TOSS	EXPERT	2866.0	961.4					
24	STAN SADORF	ISS	EXPERT	2863.0	960.4					
25	MARK GATTI	PSS	EXPERT	2847.0	955.0					
26	DAN WILSON	EDSF	EXPERT	2842.0	953.4					
27	KEITH KINDRICK	PSS	EXPERT	2841.0	953.0					
28	RICHARD BURNS	PSS	EXPERT	2838.0	952.0					
29	GEORGE SPITZER	PSS	EXPERT	2837.0	951.7					
30	Arthur Markiewicz	TPG	EXPERT	2836.0	951.4					
31	DON RICHMOND	TPG	Sportsman	2834.0	950.7	S2				
32	KEN RAYMOND	NCC	EXPERT	2830.0	949.3					
33	AL CRON	HSS	EXPERT	2829.0	949.0					
34	Ron Faulkenham	ISS	EXPERT	2807.0	941.6					
35	MARK LEVOE	PSS	EXPERT	2805.0	941.0					
36	EDGAR WEISMAN	TOSS	EXPERT 60+	2801.0	939.6					
37	JOHN BIKLE	EDSF	EXPERT	2801.0	939.6					
38	ROSS THOMAS	HSS	EXPERT	2790.0	935.9					
39	JOHN YEE	SWSA	EXPERT	2783.0	933.6					
40	FRANK CHASTELER	AMTSE	EXPERT 60+	2763.0	926.9					
41	BRENDAN LUGO	NCC	Sportsman	2760.0	925.9	S3				
42	BILL KLATSKIN xx	EDSF	Sportsman	2718.0	911.8					
43	STEVEN FINK	HSS	EXPERT	2709.0	908.8					
44	PAUL TRIST	SWSA	Sportsman	2707.0	908.1					
45	TOM VINCENT xx	HSS	Sportsman	2699.0	905.4					
46	GEORGE JOY	TPG	EXPERT	2659.0	892.0					
47	BOB SWET	TOSS	EXPERT	2604.0	873.5					
48	MERRILL FARMER xx	SULA	Sportsman	2575.0	863.8					
49	DAVID BUTKOVICH	PSS	Sportsman	2566.0	860.8					
50	DWAYNE LANE	SULA	Sportsman	2566.0	860.8					
51	NICK BUZOLICH	HSS	SPRTSMN	2536.0	850.7					
52	RON SCHARCK	TPG	EXPERT	2529.0	848.4					
53	BOB THACKER	NONE	EXPERT	2526.0	847.4					
54	MIKE RATNER	PSS	EXPERT	2517.0	844.3					

TEAM STANDINGS

	ISS	TOSS	TOSS	TPG	HSS	
	MARCH	APRIL	MAY	JUNE	JULY	TOTAL
HSS	3814.7	3587.8	3827.5	3771.4	3945.3	18946.
TPG	3953.6	3128.4	3916.8	3963.5	3938.3	18900.
TOSS	3721.0	3515.1	3864.3	2821.1	3850.7	17772.
SWSA	3671.6	3063.9	3415.8	2648.4	3515.8	16315.
PSS	3965.4	3658.2	1670.2	2738.3	3866.8	15898.
NCC	3621.3	863.3	3722.5	3693.7	3815.8	15716.
ISS	3644.5	1622.8	2715.3	3703.0	2868.2	14553.
EDSF	3781.2	2780.1	1602.0	0.0	3886.8	12050.
SULA	3593.6	0.0	610.7	1000.0	3691.0	8895.
AMTS	801.2	773.2	942.5	959.4	926.9	4403.
SFVSE	0.0	1475.5	0.0	0.0	0.0	1475.



Southern California Soaring Clubs

Annual Standings

Best 5 of 5

Name	Club	Class	Score	69	BOB	SLIFF	HSS	EXPERT	1626.8	2
1 FRED SAGE	TPG	EXPERT	4814.9	5	70 PHILIP HALLFORD	PSS	EXPERT	1611.3	2	
2 MIKE REAGAN	TOSS	EXPERT	4768.7	5	71 BOB POPE	EDSF	EXPERT	1611	2	
3 B J WEISMAN	TOSS	EXPERT	4753.4	5	72 IAN DOUGLAS	SWSA	EXPERT 60+	1581.8	2	
4 ARTHUR MARKIEWICZ	TPG	EXPERT	4717.5	5	73 RICK BRIGGS	HSS	Sportsman	1521.5	2	
5 RICH STROBEL	TPG	EXPERT	4612.5	5	74 ROGER FRASER	TPG	EXPERT	1519.7	2	
6 EDGAR WEISMAN	TOSS	EXPERT 60+	4558.8	5	75 TONI STARK	PSS	EXPERT	1484.3	2	
7 GREG BAGGERLY	ISS	EXPERT	4523.7	5	76 GEORGE BOSS	SULA	EXPERT	1483.9	2	
8 RICK SHELBY	NCC	EXPERT	4413.1	5	77 SUE VAN GUNDY	TPG	Sportsman	1284.4	2	
9 FRANK CHASTELER	AMTS	EXPERT 60+	4403.2	5	78 PAUL TRIST	SWSA	Sportsman	1280.2	2	
10 MIKE AGUIRRE	HSS	EXPERT	4401.1	5	79 ED DEVLIN xx	PSS	Sportsman	1248.6	2	
11 DON VAN GUNDY	TPG	EXPERT	4377.1	5	80 BRUCE AVESON	SWSA	Sportsman	1235.5	2	
12 MIKE CARRICO	HSS	EXPERT	4369.5	5	81 ROBERT MORFORD	SWSA	Sportsman	1046.9	2	
13 Ron Faulkenham	ISS	EXPERT	4201.9	5	82 DARYL PERKINS	PSS	EXPERT	995.3	1	
14 DAVID BUTKOVICH	PSS	Sportsman	4003.6	5	83 JOE WURTS	PSS	EXPERT	991.6	1	
15 JOHN YEE	SWSA	EXPERT	4003.2	5	84 ROBERT ANDERSEN	TPG	EXPERT	982.9	1	
16 AARON VALDES	TPG	EXPERT	3962.6	4	85 GORDON POULSEN	HSS	EXPERT 60+	964.1	1	
17 ROGER LACKEY	HSS	EXPERT	3906.9	4	86 STEVE ADDIS	SULA	EXPERT	963.4	1	
18 BEN CLERX	HSS	EXPERT	3905.7	4	87 ED WHYTE	NCC	EXPERT	957	1	
19 GEORGE JOY	TPG	EXPERT	3772.5	4	88 DAN WILSON	EDSF	EXPERT	953.4	1	
20 ROSS THOMAS	HSS	EXPERT	3714.5	4	89 DON McNAMEE	TOSS	EXPERT	953	1	
21 DON RICHMOND	TPG	Sportsman	3709.5	5	90 JERRY SNEDDEN	ISS	EXPERT	950.8	1	
22 NICK BUZOLICH	HSS	Sportsman 60+	3647.8	5	91 HARVEY JENKINS	ISS	EXPERT	944.7	1	
23 BEN MATSUMOTO	PSS	EXPERT	3597.6	4	92 JR JOHNSON	EDSF	Sportsman	941	1	
24 JIM MARKLE	EDSF	EXPERT	3562.7	4	93 IRV STAFFORD	NCC	EXPERT	932.7	1	
25 RICHARD BURNS	PSS	EXPERT	3451.5	4	94 JOHN BROWN	SULA	EXPERT	909.3	1	
26 AL CRON	HSS	EXPERT	3432.8	4	95 DEAN THOMAS	HSS	Sportsman	895.3	3	
27 BRENDAN LUGO	NCC	Sportsman	3416.5	4	96 MICHAEL HAMMERS	SWSA	Sportsman	881.6	1	
28 RON SCHARCK	TPG	EXPERT	3394.8	4	97 BILL DUNCAN	EDSF	EXPERT	878.9	1	
29 Keith Finkenbiner	NCC	EXPERT 60+	3342.7	4	98 Gary Rainsberger	-	Sportsman	871.4	1	
30 CURT NEHRING	SWSA	EXPERT	3256.7	4	99 MERRILLFARMER xx	SULA	Sportsman	863.8	1	
31 STEVEN STRICKLETT	NCC	Sportsman	3254.6	4	100 LOWELL NORENBERG	SFVF	EXPERT	861.9	1	
32 TOM VINCENT xx	HSS	Sportsman	3246.3	4	101 DWAYNELANE	SULA	Sportsman	860.8	1	
33 AL DOIG	NCC	EXPERT 60+	3200.1	4	102 JOHN McNEIL	TPG	Sportsman	852.9	1	
34 RICK LACY	SWSA	Sportsman	3193.3	4	103 MIKE RATNER	PSS	EXPERT	844.3	1	
35 BILL KLATSKIN xx	EDSF	Sportsman	2997.1	4	104 GREG JOHNS xx	PSS	Sportsman	841	1	
36 KEITH KINDRICK xx	PSS	EXPERT	2948	3	105 RANDY BRATRUD	HSS	EXPERT	836.4	1	
37 DAVID CONDON	TPG	Sportsman 60+	2843.4	3	106 NORM TILLMAN	NCC	EXPERT	815.6	1	
38 BOB SWET	TOSS	EXPERT	2826.6	4	107 PAT STOKER	EDSF	EXPERT	803.1	1	
39 KEN RAYMOND	NCC	EXPERT	2806.1	3	108 RANDY SPENCER	SULA	EXPERT	796.6	1	
40 LARRY JOLLY	SULA	EXPERT	2750.6	3	109 STEVE SMITH	LVSC	Sportsman	772.1	1	
41 MIKE LEE	ISS	Sportsman	2741.2	3	110 PHIL MERRICK	TPG	Sportsman	760.7	1	
42 MIKE DECKMAN	SWSA	Sportsman	2669.7	3	111 PAUL IKONA	SWSA	Sportsman	741.4	1	
43 STAN SADORF	ISS	EXPERT	2661.1	3	112 MANNY SILVA xx	ISS	Sportsman 60+	730.8	1	
44 GEORGE SPITZER	PSS	EXPERT	2652.3	3	113 ROBERT CAVAZOS	-	Sportsman	719.5	1	
45 MANNY TAU	HSS	EXPERT	2591.2	3	114 PATRICK SCHEER	HSS	Sportsman	711.8	1	
46 MIKE ZIASKAS	TPG	EXPERT	2548.9	3	115 PETE RICHARDSON	HSS	EXPERT	701.1	1	
47 MARK LEVOE	PSS	EXPERT	2520.1	3	116 DON NORTHERN	TOSS	EXPERT	698.5	1	
48 ROBERT BROWN	NCC	Sportsman 60+	2300.3	4	117 WYATT SADLER	-	Sportsman	697.4	1	
49 JIM PARSONS	HSS	EXPERT	2267.8	3	118 LARRY ENGER	HSS	EXPERT	693.7	1	
50 JIM WILLIAMS	SWSA	Sportsman	2201.4	3	119 MORT SHERMAN	NCC	Sportsman	692.3	1	
51 WILLIAM MALVEY	-	Sportsman	2185	3	120 MARK CHILD	EDSF	EXPERT	654.7	1	
52 ART McNAMEE	TOSS	EXPERT	2172.9	3	121 KEVIN BRISTER xx	TPG	Sportsman	622.4	1	
53 CLIFF HUNTER	NCC	EXPERT	2171.9	3	122 JOE NAVE	SFVF	Sportsman	613.6	1	
54 PETER OLSEN	SWSA	EXPERT	2078.9	3	123 ALI KHANI	SULA	Sportsman	610.7	1	
55 NORM KUTCH	HSS	EXPERT	2005	3	124 BARTLETT FRAZEE	SULA	Sportsman	608.4	1	
56 DON EDBERG	TPG	EXPERT	1969.9	2	125 ROGER STRICKLETT	NCC	Sportsman	601.1	1	
57 MARK GATTI	PSS	EXPERT	1954.9	2	126 MIKE LEAL xx	TOSS	Sportsman	575	1	
58 SCOTT CONDON	TPG	EXPERT	1936.9	2	127 HUGH GRAHAM	SWSA	Sportsman	573.3	1	
59 DENNIS BRANDT	EDSF	EXPERT	1922.1	2	128 ROBERT GLASS	ISS	Sportsman	508.9	1	
60 STEPHEN CONDON	TPG	EXPERT	1903.4	2	129 DANIEL CAVAZOS	-	Sportsman	494.7	1	
61 JOHN BIKLE	EDSF	EXPERT	1891.8	3	130 GARY WHITNEY	TPG	Sportsman	480.2	1	
62 STEVEN FINK	HSS	EXPERT	1828.6	2	131 JOHN RODGERS	PSS	EXPERT	477.6	1	
63 ANDY SANDERS	HSS	Sportsman	1820	2	132 PAUL STUBB	NCC	Sportsman	256.6	1	
64 MIKE SKUBE	TPG	Sportsman	1778.2	2	133 JONATHAN SPEER	TOSS	Sportsman	248.9	1	
65 JIM SKINNER	EDSF	EXPERT	1771.6	2	134 MYLES MORAN	TOSS	EXPERT	196.7	1	
66 DANE VANNETT	TOSS	Sportsman	1730.3	2						
67 NORM SWANSON	TPG	Sportsman	1724.2	2						
68 BOB THACKER	NONE	EXPERT	1678.2	2						



The Oldest Chartered
Soaring Club
in the
A.M.A.



Charter # 128

SEPTEMBER CLUB MEETING

DATE: Wednesday, September 7,
7:30PM

MEETING LOCATION:

Hobby Shack Retail Store,
Fountain Valley

GUEST SPEAKER: An update on
the latest products, future
plans, etc from Futaba.

SHOW AND TELL: Bring in your
lastest projects!

**RAFFLE FOR MERCHANDISE OR GIFT
COUPON:** Can Sean luck out two
months in a row?



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