

**Newsletter
of the
Harbor Soaring Society**

**February, 1994
VOL. 31 NO. 2**



H.S.S. BOARD MEMBERS

President: Steven Fink	(714) 645-0459
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Contest Coord: Mike Aguirre	(714) 645-6419
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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

Lakes at Seabridge Condos. On Adams Ave. in Huntington Beach. Turn right at the first traffic light heading East from Beach Boulevard. You will need to check in at the gate. Tell the guard you are there for the HSS meeting. If there are any problems, call 969-1524

PRESIDENT'S MESSAGE

by Steven Fink

Our first meeting for the year went well and accomplished much. One major piece of business was the decision to purchase a club winch. Our order has been placed with Cy Rahm and our new equipment should be ready for the February contest and available for weekday fliers thereafter. Cy is now using a GM starter motor that has great features: it is somewhat smaller and lighter than a Ford starter, making it more compact and easier to transport, but still very powerful (read: a potential wing breaker). It will have a removable end-plate, giving instant access to the brushes for ease of replacement, and it will have a pillow bearing on the shaft to reduce torque stress from line loads. Our Rahm winch will come complete with an emergency on/off disconnect switch mounted high for quick action. In addition we will also be getting extra turn-arounds for use with our existing winches. All of us as HSS members will own this equipment together and have access to it, so if we treat it with TLC and as our personal equipment, it will provide hours of soaring fun and satisfaction for years to come!

(continued, page 2)

PRESIDENT'S MESSAGE. cont.

Another business item was a discussion on amending the HSS Bylaws, particularly Article I Section 4 - Election and Tenure; and Article II Section 6 - Contest Coordinator. Under Article VII, an amendment must be approved by one-half of the total membership. As we have 125+ HSS members and usually 20 to 25 members at club meetings, it appears that critical votes may have to be conducted by mail.

Why amend, you ask? Currently AI-S4 specifies the Treasurer, General Director, and Editor can serve indefinitely while other club officers are restricted to one term. It is obvious that an indefinite tenure for any officer could become a mini-dynasty and reduce or suspend completely the idea and ideal of checks and balances. In truth a club officer or board member fulfills a service position, not a political position. Board members steer the club and implement the will of the members. The Steering Committee and Board of Directors suggests that S4 be amended to allow two consecutive terms only, for any position on the Board. When a Board member has given their time, he or she moves on and, through an elective process, other members step in and render service to the club.

AII-S6 defines the Contest Coordinator duties as organizing all club contests, keeping all contest records, seeking volunteer contest directors who will maintain

proper order during a contest, and being the final word in disputes. This last part could ultimately cast the CC in the role of a "heavy" and create personal difficulty and concern. Although the exact language of an amendment or amendments to S6 has yet to be finalized, an outline will be presented for discussion at the next general membership meeting and will include scorekeeping duties and definitions, more specific attention to resolving disputes, and some form of conduct acceptable or unacceptable by contest pilots, including consequences for disregard of the rules and unsportsmanlike behavior.

Further discussion could not determine how the bylaws evolved into its present form, but clearly it is time to review, revalidate, and if necessary revise the current bylaws. Bring your thinking caps and constructive suggestions to the next meeting and let's all go forward together.

The Classics concept was a hit in its inaugural contest day. It was harder to fly my 1160 sq in floater than my Shadow! Come join the fun and challenges of this part of our modeling heritage and history. And a very special thanks to Will Conrad for creating a beautiful trophy for this event. While we're at it, John Ostrowski's new logo design is a great new item to grace the pages of Plane Rap. Nice job, John, thanks.

Don't forget to mark your calendars for Feb 13, the next
(continued, page 3)

PRESIDENT'S MESSAGE, cont.

HSS Monthly club contest. Many of our pilots will be in Arizona for the two day mid-winter contest on Feb 5 and 6. With a little luck perhaps the team trophy will belong to HSS this year. And with contests in mind, also mark Feb 19 for a fun-fly "Toilet Bowl" Tri-Cities Challenge. Let's send that seat packing!

HSS JANUARY MONTHLY MEETING

- January meeting called to order by Andy Sanders, and the 1994 Board was introduced.
- Steve Fink presented Woody Grosvenor with a special award for his service as Secretary (way to go, Woody!)
- December minutes and Treasurer's reports accepted as read.
- Mike Aguirre noted that the February Monthly would be held Feb 13, due to the Central Arizona Soaring League contest Feb 5-6.

OLD BUSINESS:

- Dave Nemecek inquired about the status of the flying field with regard to the city's plans, and Steve Fink advised that he would be acting as club liaison with the city.

NEW BUSINESS:

- Newsletter budget of \$1200 approved for 1994.
- Discussion of purchase of a new club winch and turn-rounds, primarily for Wednesday fliers. Motion passed to purchase a Rahm winch (\$335) and 3 Rahm turnarounds @ \$35.
- SC2 date discussed, May or July suggested. Motion passed to sponsor SC2 in July.
- Discussion of General By-

laws, specifically the suggestion of a 2 year maximum consecutive term limit for any board member in any one position and increased responsibility for the Contest Coordinator. Motion passed to have the Board formulate wording for proposed amendments. Discussion of mailing out proxy vote post-cards to achieve majority board necessary to amend bylaws.

- New meeting locations. Steve Fink has access to a meeting place in Irvine at Redhill and McGaw. John Lupperger will look into the conference room at Hobby Shack. George Siposs will investigate use of a nearby bank. Gordon Ritschke suggested rechecking the Water District.

- New trophy ideas. Sweat-shirts were suggested. Any other ideas are welcome.
- Discussion of a club sponsored electric contest - HSS Western Electric Championships. Motion passed to hold an electric contest over Memorial Weekend in May. John Lupperger will look into possible sponsors.

- Discussion of new "Classic" event. Rudder and elevator control only, spoilers OK, flaps not. Classic Pilot of the Month trophy.

- Presentation of 1993 Year End trophies to top fliers in Unlimited and Two Meter.

- John Lupperger brought in a new sailplane to be marketed by Hobby Shack called the Grifter. Made in Poland, the plane sports a 116" RG12A wing with a 9.4-10.2 oz/ft² wing

(continued, page 4)

JANUARY MONTHLY MEETING,
cont. loading. It comes in two versions, one virtually Ready to Fly (about \$650), and a kit which features a high degree of prefabrication (appr \$350). Both versions have poplar sheeted white foam wings, a gel coated fiberglass fuselage, and a unique towhook/wing hold down connection.

- The meeting ended with a swap meet of miscellaneous items and paraphernalia.

Erik Marcussen, Secretary

FYI

... with great regret, we note that Hugo Sandroni passed away recently... Hugo was a fabulous craftsman and his death is a loss to the entire sailplane community... seen at the field: Roger Lackey's RG-15 Mako, Fred Biddle and his Falcon 880, Gordon Ritschke's Whisper 95 being test flown by Pete Young, Ed Kukic's geared Astro 25 Porterfield, and Doug Currie, a visitor from South Dakota with an Astro 15 Stik-It competition fun fly machine, a real lightweight looping rolling machine ...
HSSers in the news: Tony Martin's CNC foam cutting machine in Don Edberg's column; Ben Clerx, Ross Thomas, and Roger "Shadow" Lackey in Bill Forrey's MB report on the Visalia Fall Soaring Festival; George Siposs' two articles in RCSD ... congratulations to Andy Sanders and John Bikel for moving from Advanced into Expert, due to their high placings at the January

Monthly... HSSers involved at the International Modelers' Show: Tim Renaud (Airtronics), Don Edberg (Futaba), Manny Tau (GRECO), Norm Kutch (TEKOA)...

JANUARY HSS MONTHLY

Weather conditions for HSS' first Monthly for 1994 were superb - moderate temperatures in the 70s with plentiful sunshine, a pleasant contrast to last winter's rainy and "lakeside" conditions. CD Mike Aguirre presided over an excellent turnout: 23 in Unlimited, 13 in Two Meter, and 14 in the new Classics event.

The flying format was a standard 3/5/7 with a 25 foot runway centerline landing tape. Thanks to the four winches supplied by club members, flying moved along smoothly and quickly despite the sizable turnout. A small number of line breaks were quickly cleared, and there were no delays due to winch equipment.

A few unusual incidents livened up the day. Manny Tau's Genesis had a mid-air collision with Bob Sliff's Fako - both planes spun down and recovered safely with only minor wing damage resulting. Mike Aguirre suffered interference on channel 16 with both his 2M Banshee and Mako - the Banshee spun from high altitude and recovered, the Mako crashed into the high school athletic field with moderate, but repairable, damage. Channel 16 users take heed - after the Mako crash, Tom Vincent confirmed strong
(continued, page 5)

JANUARY HSS MONTHLY, cont.
interference on 16 with Sean Monahan's RF scanner.

In 2 Meter, Bob Sliff took first place with a Gnome, with Sean Monahan seconding with a Sagitta 600 and Ross Thomas placing third with another Gnome. Flying in his first contest, Gerald Briggs took first place in Sportsman with a modified Oly II. In the Advanced class, Andy Sanders won with his original design and, with this win, moves into Expert class; Tom Vincent finished second in Advanced with his Mako. In Expert, Steve Fink posted a convincing victory with his Shadow; Advanced flier John Bikle took second-Expert with his Falcon and moves up to Expert, while Pat Stoker took third with his Dodgson Saber. In the inaugural Classics event restricted to rudder/elevator designs, Bob Sliff won with a 3M Gnome.

Our thanks to Maxine Thomas for handling registration and scorekeeping, and to the many club members who contributed their time to providing winches, helping out, and assisting in many ways.

- reported by Pete Young

UPDATE - THE CLASSICS EVENT by Pete Young

At the January Monthly, HSS sponsored the first "Classics" contest - designs were restricted to rudder and elevator control, spoilers optional. Despite short notice, there was an excellent turnout with the field of 14

displaying a wide variety of older and newer designs: Al Cron's LJMP Meteor, Norm Kutch's Aquila, George Siposs' Legionair, Gerald Briggs' Olympic II, Steve Fink's SULA-Bird, Pete Young's HOB 2x6, Will Conrad's 60" Gnome (yes, he winch launched it!), and a handful of 2 Meter and 3 Meter Gnomes. The eventual winner, Bob Sliff, flew a Gnome 3M and received a six pack of Classic Coca-Cola for his efforts.

Will Conrad has crafted a beautiful wooden plaque which will be engraved with the name of each Classics monthly winner. The plaque is really artistic and beautiful - thanks, Will, for your contribution to this event!

Overall feedback to this inaugural event has been overwhelmingly positive. The general tone is that the rudder/elevator ships are really fun to fly again in competition. And the cost of an airplane and radio needed to compete in this event are really moderate - a pleasant diversion from a "need to spend more" philosophy.

Future plans include linking up with other soaring clubs interested in promoting this class for both fun-flying and competition. If interest continues to grow, the event may move to another day to deconflict from 2M/Unlimited. Based on correspondence received from other soaring clubs, there is growing support for Classics-like events for a variety of reasons, but primarily to offer an alternative to the increasing costs of modern multi-function aircraft - a
(continued, page 6)

CLASSICS UPDATE, cont.

real deterrent to sustaining interest in our sport.

Thanks to the fliers who supported the first Classics event, especially gratifying due to the short notice. HSS would like to extend a special invitation to fliers who have flyable "Classics" and have abstained from flying in the Monthlies. Come out and fly the "bent wingers" with us at the February Monthly and have lots of fun!

"Back to the Future" EDSF Jan 94 Two Meter Contest by Pat Stoker

If you find yourself reminiscing about those good old days when your bent wing Wanderer was queen of the sky, fret no more. The EDSF January Two Meter contest will feature two classes of gliders each competing in a separate contest. There will be an Unlimited 2M class which, as the name implies, has no limitations other than a max wingspan of two meters. The second class of glider will be a polyhedral class and a plane entered in this class must have a polyhedral wing, a max span of two meters, and will be limited to rudder, elevator, and spoiler control surfaces. If your poly ship has flaps or ailerons, you can tape them shut and enter in this class.

Contest format and scoring for both classes will be the same with each class flying separately for all three rounds. So dust off that old Wanderer, Gnome, Oly 650, Pussycat, or Sagitta. The

contest date is Saturday, January 29th. Entry fee is \$3.00/class, pilots' meeting at 9 AM.

Editor's note: here's an update on what's new with the Mako Team from Mr. Mako himself...

MAKO MANIA by Ben Clerx

It has been a year since Roger Lackey test-piloted the prototype Mako and although he's built several since then, Mako #1 is still flown frequently in competition. During the past year the Mako design has been flown quite successfully in competition and has been available as a semi-kit since last summer.

Over the last six months, Mako's have spread from the East Coast to Hawaii, with #51 leaving for the Mid-West today. Happily, the largest concentration is right here at HSS where I can see them fly. Had I known how much work was involved, going all the way back to 1987, I probably wouldn't have started the project!

People ask about the Mako's future - it looks pretty bright! The semi-kits won't change - at \$185 they're a good deal for someone who likes to build. A full pre-sheathed kit will be available for those who don't like (or don't have time) to build. This will feature pre-sheathed wings and stabs with tubes in place, and a fuselage pre-drilled to accept a 1/2" wing rod - aluminum or carbon fiber. All this pre-

(continued, page 7)

MAKO MANIA, cont.

fabrication comes at a price, though: try \$375, which is in line with other pre-sheated unlimited class sailplanes. These kits should be available in March 1994 from Clerx Aeronautics, 39 Seabrook Cove, Newport Beach, CA 92660, (714) 721-8848.

Other possible projects include an F3J version of the Mako with a 122 inch span and a two-meter that will undergo testing in the spring. If we can get good results with the proven Mako wing on a generic fuselage, I might make a mold and this may be offered as a kit.

In the meantime, to get an idea of what's going on, just watch what Roger "Chuck Yeager" Lackey is flying. Actually, Mike "Supersonic" Aguirre does much of the testing, usually exploring the useful speed range of these planes.

HSS AT THE IMS

by Pete Young

Jerry Briggs and I motored on up Saturday to the International Modelers' Show in Pasadena held 14-16 January. As always, the various products offered in model aviation were fascinating but, compared to previous years, new sailplane products were scarce.

Following is a condensed summary of the new and miscellaneous items that I found interesting. If more details are needed, call me and I'll provide specifics.

Greg Chun of GRECO TECHNOLOGIES was showing off

prototype wing molds for the Ventus F3B sailplane, an all-elliptical all-molded sailplane currently in advanced development. The GRECO 2M Modi was new this year, and looks like it should give Agnew Banshees and Falcon 600s some serious competition. GRECO is marketing F3B winches and a complete line of sailplane accessories - aluminum bellcranks and control horns, hinge and gap-seal tape, towhooks, landing skids, and wing joiner rods. These new offerings join GRECO's Volz servos and other sailplanes presented previously.

AIRTRONICS new ASD sailplanes looked very sharp - Falcon 2M, 800, 880, and electric. Airtronics Soaring Division was also displaying a prototype Unlimited ship named the Peregrine - I didn't get a chance to find out whether it is the Barry Mattingly design of the same name. ASD is marketing a set of G-10 fiberglass control horns and stabilator bellcranks which looked bulletproof.

AEROSPACE COMPOSITE PRODUCTS, MODEL RESEARCH LABS, and COMPOSITE STRUCTURES TECHNOLOGIES continue to expand and improve their fabulous composite product lines. Matt and Gail Gewain provided HSS with a copy of CST's composite construction video - contact me if interested in viewing it. HSSers should note that ACP products are available "over the counter" at J&T Custom, 2941 Grace Lane, #A, Costa Mesa (714) 549-2597.

Norm Kutch and Roger
(continued, page 8)

HSS AT THE IMS, cont.

Chastain were busy feather-cutting foam at the TEKOA-CENTER OF DESIGN booth. Their 2M Shadow, while not new, is a competitive design for "no-holds barred" fliers. TEKOA is offering the "Turn 'N Burn", a sport/pylon racer for 05 Cobalts, as well as pre-sheeted sailplane wings and stabs and a complete line of sailplane hardware through their Scratch Builders' Warehouse (see advertisement further on). TEKOA is also selling a videotape of last spring's Composite Symposium at Cerritos College for \$29 - a good deal.

Mark Hambleton/DCU is marketing the LUDWIG CNC line of gearboxes for electric powered aircraft. These are available matched to SPEED 400 and 600 motors in a choice of gear ratios. Quoted prices seem very reasonable at less than \$100 for motor and gearbox. New for this year, DCU is marketing Larry Renger's Toucan, a forward swept wing/canard/sloper published in MAN. Rumor has it that an HSS product review is in the mill - stay tuned, forward swept wing/canard/sloper enthusiasts!

Buzz Waltz is back producing gliders with JUST PLANE FUN MODELS. They offer several designs which should be perfect for HSS' Classics event, in sizes from 2 Meter through 3 Meters. Buzz has acquired the Soar Birdy and Big Birdy designs previously marketed by Joe Bridi. New for this year is the Predator, an attractive aileron slope/thermal trainer. Very

generous price discounts are offered for the kits, good through mid-March.

For those inclined towards electric ducted fans, Bill Young is offering system design info for a variety of motors from VL-sized through Astro 25s. Bill can be reached at 8106 Teesdale Ave., N. Hollywood, CA 91605.

LEISURE ELECTRONICS OF DOWNEY is a source for the excellent Joe Ballasch speed controllers and on/off switches which have proven themselves in competition at past Astro Champs. On display was HSSer Chuck Hollinger's winning Payload Cargo machine which won its event the past two Astro Champs.

Through MAJOR HOBBY, Bob Martin is selling the Tempo, a 76" polyhedral glider with a Duralene fuselage. At only \$30 and a lifetime warranty against fuselage breakage, the kit is quite a deal. Some of our more notorious club members wish they had unbreakable fuselages - please, no names!

- reported by Pete Young

HARBOR FEBRUARY MONTHLY

DATE: Feb 13

CDs: Steven Fink, Sean Monahan
FORMAT: 3 rounds, 15" add-em-up, no flight over 6". Flight scoring: 2 pts/sec for 1800 pts. 3 100 point 25' runway landings, the best two out of three will count. 2000 contest points available.

3 classes of sailplanes:
Classic, 2M, Open. Classic to fly first, 2M and Open fly concurrently.

PILOTS' MEETING: 8:45AM

UPCOMING EVENTS CALENDAR

Jan 29 EDSF "Back to the Future" 2M Contest
Jan 30 HLG Dash for Cash, ISS/Riverside
5 Feb EDSF Open Monthly
5-6 Feb Central Arizona Winter Tournament
13 Feb HSS Monthly
SULA Monthly
19 Feb Tri-Cities Challenge @ HSS
27 Mar SC2 season opener, ISS/Riverside
Apr 30-1May Pasadena Rose Bowl/PSS Contest
May 21-22 North/South Challenge at Visalia
May 28-June 5 World Soaring Jamboree, Tri-Cities, Washington State

-- for further information, contact Mike Aguirre, Contest Coordinator

SC2 UPDATE

- first 1994 contest March 27th at ISS, Riverside
- aircraft marking with AMA numbers to be enforced
- Senior class for fliers 60 years and older
- only 9 tournaments this year

- more details next month

TRI-CITIES CHALLENGE HSS VS. SULA VS EDSF

DATE: Saturday Feb 19th
LOCATION: Fairview Park, Costa Mesa
CONTEST DIRECTOR: Mike Aguirre
FORMAT:

Round 1: 3" precision duration, pilot estimates flight time, no watches or timers allowed

Round 2: 2" flight with pilot not allowed to watch plane, flies by timer's instructions. 1" allowed to trim plane prior to official time starting.

Round 3: To be announced at the field.

Pizza and soda at Lamp Post Pizza following the flying events.

FOR SALE

- Harbor Soaring Society hats, shirts, and vinyl patches - contact Andy Sanders at (714) 751-9235.

- Astro-Flite Mini-Challenger, cobalt 035, with motor battery and 2 micro-servos, on/off motor control, \$150. Quick-silver sloper, RTF, with radio system, \$140. Silhouette sloper, FG fuse, Futaba micro system, \$150, \$50 less radio. Jammer 60" sloper, FG fuse, with Airtronics 4 channel, \$250, \$150 less radio. Call Michael Morjoseph, (714) 960-2835.

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

- "Tango 3," modified straight wing Falcon 880, SD3021 airfoil, 4 wing servos mounted in Ziegelmeyer servo mounts; flaps and ailerons use aluminum tubing full length Ziegelmeyer gapless hinges. Rudder and elevator servos are Airtronic 102 servos in a glassed-in tray. Rudder is tube hinged, not taped. Fuse recently refinished with automotive lacquer, highly visible at altitude. Includes battery pack and switch harness, just add your receiver. Includes custom carrying box and spare stabs, \$675 firm. Call Steve Fink @ (h) 714 645-0459, (w) 714 261-2825, ext 229

- Airtronics Adante, new-in-box, glass fuse, Quabeck

airfoil, \$75. 2 Airtronics Vanguard 4 channel transmitters, Ch 51, make offer. Call Pete Young @ (714) 892-3473.

- Handlaunch/slope Vertigo, T-tail, complete with all servos, RX, and Airtronics 6 channel Vanguard radio, \$165. Goblin slope kit, NIB, \$50. TEKOA Feather Cut system, complete, plus 50" bow and 6 sheets white foam, \$150. Call John Ostrowski @ (714) 847-4871.

- LJMP Meteor, new in box, fiberglass fuse, 120" span, \$140. Airtronics Legend, new-in-box, \$180. Pierce Ridge Rat, fiberglass fuse, ready to fly, \$75. Midwest silent Squire, foam wing, NIB, \$30. Aquila Grande kit, new-in-box, \$125. Call Dave Nemecek at (714) 775-7196.

- 2M Whisper, ready to fly, less radio, \$125. 2M Gnome, 4 channel Airtronics PCM, ready to fly, \$225. Call Bill Duncan, (714) 892-8665.

- Sealy Laser: S-3021 airfoil, fiberglass fuse, balsa/foam wing, 124" span, slip-on nosecone, kit new-in-box, \$140. Call Mike Aguirre at (714) 645-6419

- LJMP Cheetah, reduced to \$175 with 6 servos, wing bag. Sealy Pulsar, reduced to \$200 with servos and wing bag. Will consider trading any of above for sailboat and/or 75 MHz radio or .40 sized power plane and engine. Two Airtronics Vanguard TXs, RXs (CH 28, 56). Contact Curt Nehring @ (909) 592-2105.

OPEN CLASS

NAME	CLASS	SCORE	NORMALIZED	PLACE
STEVE FINK	EXPERT	2982	1000	1ST. EXP
JOHN BIKLE	ADV.	2953	990.27	2ND. EXP
PAT STOKER	EXPERT	2854	957.08	3RD. EXP
BOB SLIFF	EXPERT	2836	951.04	
ANDY SANDERS	ADV.	2791	935.95	1ST. ADV.
ROGER LACKEY	EXPERT	2761	925.89	
AL CRON	EXPERT	2747	921.19	
PETE RICHARDSON	EXPERT	2724	913.48	
BILL DUNCAN	EXPERT	2651	889.00	
MIKE CARRICO	EXPERT	2644	886.65	
TOM VINCENT	ADV.	2642	885.98	2ND. ADV.
NORM KUTCH	EXPERT	2620	878.60	
MANNY TAU	EXPERT	2476	830.32	
ROSS THOMAS	EXPERT	2475	829.98	
DAVID NEMECEK	EXPERT	2449	821.26	
JIM PARSONS	ADV.	2370	794.77	
DAN FINK	EXPERT	2332	782.03	
NICK BUZOLICH	ADV.	2204	739.10	
PETE YOUNG	ADV.	2055	689.13	
DICK PANTZAR	EXPERT	1999	670.36	
GERALD BRIGGS	SPORTS.	1921	644.20	1ST. SPTS.
MAC KIELTYKA	SPORTS.	1801	603.96	
MIKE AGUIRRE	EXPERT	428	143.53	

JOHN BIKLE AND ANDY SANDERS MOVE TO EXPERT

2 METER

CLASSIC

NAME	SCORE	NORMALIZED	PLACE
BOB SLIFF	2685	1000.00	1ST
SEAN MONAHAN	2673	995.53	2ND
ROSS THOMAS	2508	934.08	3RD
JIM PARSONS	2137	795.90	
STEVE FINK	2129	792.92	
PETE RICHARDSON	2065	769.09	
ERIC MARCUSSEN	1809	673.74	
MAC KIELTYKA	1742	648.79	
PETE YOUNG	1591	592.55	
NICK BUZOLICH	1458	543.02	
NORM KUTCH	1304	485.66	
MIKE AGUIRRE	806	300.19	
ROGER LACKEY	788	293.48	

NAME	SCORE	NORMALIZED
BOB SLIFF	2946	1000.00
ROSS THOMAS	2918	990.50
PETE RICHARDSON	2842	964.70
STEVE FINK	2825	958.93
AL CRON	2756	935.51
NORM KUTCH	2652	900.20
NICK BUZOLICH	2437	827.22
GERALD BRIGGS	2401	815.00
PETE YOUNG	2332	791.58
SEAN MONAHAN	2279	773.59
GORDON RITSCHKE	2142	727.09
GEORGE SIPOSS	1862	632.04
WILL CONRAD	1788	606.92
RICK BRIGGS	941	319.42



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



Charter # 128

FEBRUARY HSS MEETING

DATE: Wednesday, February 2,
7:30PM

LOCATION: Refer to page 1 for
instructions

SHOW & TELL: Bring in your
latest projects!

SPEAKER: Arnie Goren, Sales and
Service Representative for
B.T.A. Autopilot Systems, will
display an autopilot and data
telemetry system for model
aircraft applications.



P.O. Box 1673
Costa Mesa, CA 92628 -1673



FIRST CLASS MAIL

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9359 SHRIKE AVE
FOUNTAIN VALLEY, CA 92708