

**Newsletter  
of the  
Harbor Soaring Society**

**January, 1994  
VOL. 31 NO. 1**



**PRESIDENT'S MESSAGE**

by Steven Fink

Welcome back, all you thermal seekers! The 1993 flying season is over and this new year will see some fun and exciting things coming our way. Hopefully our winter and spring will be drier this year and we can all maximize our weekend/weekday flying time.

First things first, however. A very special "thanks" to Woody Grosvenor for serving two consecutive terms as club secretary and graciously providing HSS with a nice meeting facility. This mild mannered reporter has faithfully kept track of club business, crosstalk, rowdiness, humor, and laughter at club meetings and still has been able to organize it all into the "minutes" which always seem to come out making sense. Alas, Woody has discovered "power" (as in coupling a propeller to fuel via a reciprocating piston system known as an engine) to haul his classic Cub around the sky. Does the future hold aerotowing for us? Only time will tell. At any rate, thank you again, Woody, for a difficult job well done!

Also a very special thank you to Pete Young. Peter is beginning his third year as newsletter editor. Always one of the most demanding jobs in the organization, Peter has given countless hours to keep us all up-to-date with Plane Rap month in and month out. Thank you, Pete, we all appreciate it very much.

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**H.S.S. BOARD MEMBERS**

President: Steven Fink	(714) 645-0459
Vice President: Sean Monahan	(714) 631-0719
Secretary: Eric Marcussen	(714) 730-7998
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**

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. cont.**

And to the departing 1993 HSS Board, we all appreciate your efforts, time, and devotion to the business end of our hobby. Andy, Pat, Curt, Ross, and Frank, thanks again.

Your new officers have held their first meeting to review club business for 1993 and discuss upcoming 1994 items. Agreed upon was the adding of an Agenda section to the newsletter pertaining to the upcoming monthly meeting. This will give all members a "heads up" of what will be discussed and, possibly, voted upon at the next meeting. You will find the January meeting agenda on the last page of the newsletter.

All of us in Southern California seem to be busy and it is understandable that a member will sometimes miss a meeting or two. The best way to stay abreast of club business is to read the published minutes in each newsletter. In doing so, our business meetings will go smoother since we will all be caught up on current affairs.

Andy Sanders as past President will be a member of the HSS Steering Committee and will also serve as the club's legal liaison. As events transpire in that arena, Andy will keep us all up to date.

Remember that a current 1994 AMA membership card will be a must for all members flying at Fairview Park. If you haven't renewed yet, please do. 1994 cards will be required for contest entry in January.

That's about it for now. It will be hard to surpass Andy's previous writings, particularly how time seems to

slow down when the lift is being cooperative. If any of you have thoughts or comments constructive to the club, please feel free to call. Thanks for voting me your President - I'll do the best I can!

## **HSS DECEMBER MEETING**

The December meeting came to order at 7:45PM with club president Andy Sanders hosting. The minutes from the November meeting were accepted as written. As the Treasurer was absent, a Treasurer's report was given by Andy Sanders and covered the checking account balance, expenditures, contest earnings, etc.

Pete Young gave a summary of the upcoming club contest, and also handed out HSS' Monthly club standings to date.

The need to purchase additional trophies for Monthlies was discussed, voted on, and approved. 200 trophies will be purchased in the same design as used in the past. A suggestion was made to use club hats as an alternate trophy at club contests.

Incoming HSS President Steve Fink talked about some upcoming plans for 1994. These will be published in upcoming Newsletters.

Pete Young brought in a Sig Samurai wingeron slope glider for "show and tell."

In the drawing for the "rubber ducky" antenna donated by Manny Tau, the antenna was won by Merrill Farmer's companion, Margaret. HSS club members expressed their appreciation for Manny's generosity.

Pete Young introduced the guest  
(continued on page 3)

## HSS DECEMBER MEETING, continued

speaker, Merrill Farmer of MM Glider Tech. Merrill started flying gliders 14 years ago and flies mostly on the slopes. The 50" Merlin was the first of his kits, and 328 have been sold in the past 2 1/2 years. Being quite light at the extremities, the Merlin has a roll rate as fast as an aileron ship. The 50 inch wing span allows the Merlin to be transported in compact cars, or (in Merrill's case) behind the seat of a pickup truck.

The Sorceress is a new kit release, slightly higher wing loading than the Merlin, equipped with ailerons and a S3016 airfoil. Like the Merlin, the Sorceress also has a pod and boom fuselage and built up wing construction.

Merrill also produces four Outdoor free flight gliders designed for catapult launch. MM Glider Tech also markets fiberglass cloth and Kevlar in various weights. More details can be found further on in this Newsletter.

-- Woody Grosvenor, Secretary

## HSS DECEMBER MONTHLY

On an unusually fair and cloudless day with highs in the mid-70's, CD Pat Stoker welcomed fliers to the final HSS Monthly for 1993. The tasks were pilots' choice of 4, 7, or 10 minutes precision duration with a 25 foot graduated landing circle. Flying conditions started mildly downwind then shifted to a southerly crosswind. Although several strong thermals cycled through, lift was challenging to find for high flight times, with some extended periods of lifeless air to make flying

interesting.

In Two-Meter, Mike Aguirre and Roger Lackey placed 1-2 with Agnew Banshees, while Bob Sliff placed third with a 2M Gnome.

In the Open class, Makos and Fakos (Mako wings, Falcon fuselages) swept the standings - an impressive sweep for Ben Clerx's original design. Nick Buzolich topped Sportsman with his Mako while Tom Vincent and Jerry Bridgeman placed 1-2 in Advanced with Fakos. Bob Sliff won Expert with his Fako followed closely by Roger Lackey and Ben Clerx with their Makos. Will Makos continue to dominate in 1994?

Thanks to excellent support by club members, an ample supply of winches from club members, and scoring support from Maxine Thomas, the day's flying went very smoothly with minimum delays.

Don't forget - HSS' 1993 final year-end standings will be announced at the January 5th club meeting!

-- reported by Pete Young

## FYI

... Year-end awards for HSS' 1993 Monthly cumulative standings will be presented at the January club meeting... HSS will need a new club meeting place for 1994, anyone with prospects please contact a Board member... kudos to John Ostrowski for the redesigned Plane Rap logo ... seen at the field: Mike Aguirre's RG-15 Mako (first of a new breed?), Fred Biddle's newly acquired Falcon 880, Steve Wilkins' electric Eclipse... Byron Blakeslee will be stepping down as Soaring Editor for  
(continued on page 4)

FYI, continued

Model Aviation, Byron's replacement is Daryl Perkins ... new products from Global (Hobby Shack), due for release next year: 1/20" balsa wing sheeting and the highly pre-fabbed Grifter from Poland (previous version with different airfoil briefly distributed by Northeast Sailplanes)...DON'T FORGET TO RENEW BOTH YOUR AMA AND HSS MEMBERSHIPS PROMPTLY, BOTH WILL BE REQUIRED TO FLY AT THE JANUARY MONTHLY!

### THE "CLASSICS" EVENT

It is an undeniable fact that continuous progress in radio controlled soaring has resulted in aircraft and radios with superb capabilities. Composite construction, computer designed airfoils, and intense soaring competition have combined to provide the discriminating soaring enthusiast with aircraft such as the Falcon 800/880s, Shadows, Makos, Modis, Super Vees, Banshees, and Anthems. Modern microprocessor radios are truly technology marvels with incredible capabilities - while Airtronics' Visions continue to be the radio of choice for most, there is healthy competition from Futaba (9ZAP, 7UGFS), Hitec (Prism), Ace (MicroPro), and Airtronics (Infinity, Quasar). Soaring's "evolution of the species" provides performance and capability unimaginable even a few years ago. Who can forecast what will be available in the future? It's an exciting prospect!

This progress is exacting significant penalties, however. Let's talk about costs. A competitive multi-

function glider can easily cost \$200 at the minimum with an average price closer to \$400. Factor in pre-sheeted wings and the cost ratchets up another increment. Computer-driven transmitters are expensive as are the specialized servos which modern gliders require.

For people inquiring about "how to get started," obtaining information about sources of glider-oriented kits, supplies and equipment is a significant barrier. More so than in the past, quality soaring equipment is best obtained from specialized suppliers, difficult to locate unless buyers can obtain "insider information."

The very real danger here is that radio controlled soaring may become a victim of its own progress. Novices and intermediates are often informed that the modern "high tech" systems are the "only way to fly". As a result, the built-up polyhedral glider is close to becoming an endangered species. While exceptional fliers may be able to compete and win with a polyhedral design (Randy Bratrud and his Sagitta 900 is one example), this is the exception and not the rule.

Similar thoughts have been voiced in other soaring clubs' newsletters. With the emphasis on straight-winged, composite gliders requiring computer radios, we are sending out a strong message to folks who may be interested in participating, and the message carries a high price tag. Quite honestly, the soaring community is not encouraging new growth with our strong emphasis on performance at any cost. So what can be done?

(continued on page 5)

## THE "CLASSICS" EVENT, continued

The HSS Board has made a commitment to sponsor a "Classics" event at their Monthly contests starting in January. Aircraft designs will be restricted to rudder and elevator control, with spoilers optional. There will be no wingspan restrictions, and ailerons or flaps are not allowed. The goal is to revive soaring participation for the class of gliders that "got us here", and there are plenty of aircraft that come to mind. Some examples are the Airtronics Cumic and Sagitta, the Great Planes' Spirits and Prodigy, Larry Jolly's Pantera and Meteor, Midway Model's Gnome, and the Pierce Paragon. These designs are all moderately priced, fun to fly, but not competitive against the likes of Makos and Thermal Eagles.

If someone wants to absolutely win in this event, some designs will perform better than others. That's OK, but the main objective is to revive interest in a class of soaring aircraft that

are moderately priced and fun to fly with 4 channel radio equipment.

Those are my thoughts - what are yours?

-- Pete Young

## JANUARY HSS MONTHLY

CD: Mike Aguirre

LOCATION: Fairview Park

DATE: Sunday, January 9, 1994

FORMAT: 3/5/7 precision duration, 25 foot runway landing.

### EVENTS:

a) Unlimited and 2M concurrently

b) NEW EVENT CLASS: rudder, elevator, spoilers (optional), no flaps, ailerons, or wingspan restrictions.

START TIME: Registration opens at 8:30AM, pilots' meeting 8:45AM.

## UPCOMING EVENTS CALENDAR

Jan 5 HSS Monthly Meeting

Jan 9 HSS January Monthly

Jan 14, 15, 16 International Modelers Show, Pasadena

Jan 30 Inland Soaring Society "Dash for Cash" Handlaunch Contest

Feb 5, 6 CASL Southwest Winter Soaring Contest

## FOR SALE

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

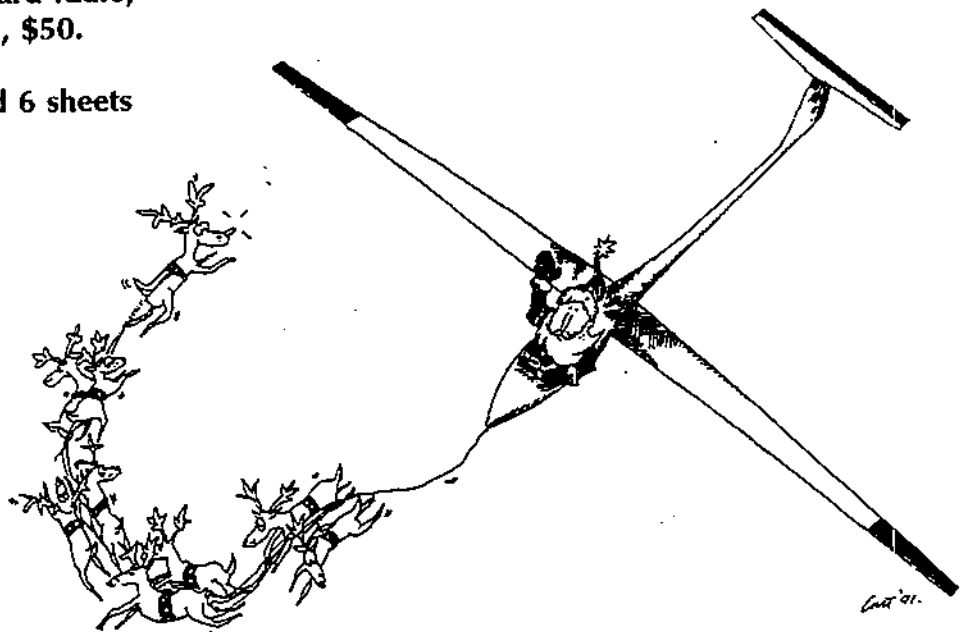
- Airtronics Legend kit, new-in-box, only \$180. Pierce Ridge Rat, fiberglass fuselage, ready to fly, \$75. Midwest Silent Squire, foam wing, NIB, \$30. Aquila Grande kit, new-in-box, \$125. Call Dave Nemecek at (714) 775-7196
- 2M Whisper, ready to fly, less radio, \$125. 2M Gnome, 4 channel Airtronics 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
- 2M Gnome, reduced to \$100 with servos and wing bag. 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.
- 10 years of RCM and other model publications, 1976-1986. Free to good home. Leo Lake (714) 991-9825

SEASONS GREETINGS

FROM THE

HARBOR SOARING SOCIETY!

(Thanks to Curt Nehring  
for original Soartoon!)





# Harbor Soaring Society

P.O. Box 1673  
Costa Mesa, CA 92628

A.M.A. Chartered Club #128  
"The Oldest A.M.A. Chartered Soaring Club  
in the World"

## APPLICATION FOR MEMBERSHIP IN THE HARBOR SOARING SOCIETY FOR 1994 JANUARY to DECEMBER

I understand that by applying for membership in the Harbor Soaring Society, I must be a current member of the A.M.A. (Please Print)

NAME \_\_\_\_\_ HOME PH. ( ) \_\_\_\_\_  
ADDRESS \_\_\_\_\_ WORK PH. ( ) \_\_\_\_\_  
CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_  
A.M.A. NUMBER \_\_\_\_\_ (PROOF OF STATUS REQUIRED)  
DATE OF BIRTH \_\_\_\_\_

NEW APPLICANTS - (17 years or older) = \$25.00  
SENIOR MEMBER - (17 years or older) = \$20.00

JUNIOR MEMBER - (16 years or younger) = \$ 6.00  
(renewal or new)

FAMILY MEMBER - (For each additional renewal or new  
member at the same address) = \$ 5.00  
(Separate applications required)

New applicants making application for senior membership between July 1st. and October 31st. pay a reduced rate of \$10.00

New applicants making application between November 1st. and December 31st. will pay the annual rate indicated above. Such dues will makes the new member paid in full for the following year.

A signature is required by all Harbor Soaring Society members, agreeing to comply with the current A.M.A. Safety Code and the current HSS General Field Rules and Field Safety Rules.

The undersigned attests that: I will operate my model using only radio control frequencies currently allowed by the Federal Communications Commission. Further, any transmitter that I use at any designated HSS flying field must have a certified R/CMA-AMA gold sticker affixed indicating that it was manufactured or modified for operations at 20 KHz frequency separation. I understand that my failure to comply with the above restrictions will result in nullification of liability coverage for damages caused or claimed.

SIGNATURE \_\_\_\_\_ DATE \_\_\_\_\_  
TOTAL DUES OWED AND ATTACHED \$ \_\_\_\_\_  
SIGNATURE OF CLUB OFFICER RECEIVING APPLICATION \_\_\_\_\_

# the MERLIN

Price List

R/C Kits:	List
MM 3 Merlin 50" Hand-launch Glider	\$36.95
MM 8 Sorceress 50" Slope Glider	\$36.95

S&H \$ 5.00  
S&H \$ 5.00

\*ALL OTHER MATERIAL & PARTS ARE SUBJECT TO S&H CHARGES\*

R/C Parts:

MM 5 Merlin class A Hand-launch pod	\$10.00
MM 10 Replacement pods for Merlin/Sorceress	\$10.00

R/C Accessories:

MM 4 Alleron pushrod faring (small)	\$ 5.00
MM 9 Alleron pushrod faring (large)	\$ 5.00
MM 6 3/4 oz fiberglass cloth 1sq yrd	\$ 3.50
MM 7 2 oz kevlar 1"x 3 yards	\$ 5.00
2"x 3 yards	\$ 8.00
4"x 3 yards	\$13.00

Fiberglass Cloth:

75oz. Plain Weave	\$ 3.50 yd.
2.1oz. Satin Weave	\$ 2.95 yd.
4oz. Plain Weave	\$ 4.00 yd.
6oz. Plain Weave	\$ 4.00 yd.

Free Flight Kits:

MM 20 Aero - Xercizer a catapult-launched glider	\$ 4.00
MM 21 The Gnat Chaser a catapult-launched glider	\$ 3.00
MM 22 The Gnat Chaser II a catapult-launched glider	\$ 3.00
MM 23 E-Lip-Z a catapult-launched glider	\$ 4.00

We accept Personal Checks - Money Order - C.O.D.  
California Resident add 8.25% Sale Tax  
Add \$4.25 For C.O.D.

NO MIN ORDER - PRICE SUBJECT TO CHANGE

Merrill Farmer  
M M Glider Tech  
PO BOX 39098  
Downey, CA 90239  
310-923-2414

**VERSATILE**  
**DURABLE**  
Hand launch, Thermal, Slope, or High-start

ABS Polystyrene Vacuum-formed Pod  
Fiberglass Arrowshaft Boom  
**FAST**

**SPECIFICATIONS:**

Wing Spar:	50"
Wing Cord:	6"
Wing Area:	280 sq
Airfoil:	SD3010
Fuselage length:	26 1/4"
Pod length:	11"
Flying Weight:	8-15 oz



One of the most versatile, fun sailplanes you'll ever own. Simple construction (built-up wing, solid tail, and moulded pod) means you'll be flying in no time. The *MERLIN* will amaze you in it's excellent speed, and aerobic abilities.



**MM** Glider P.O. Box 39098  
Downey, CA. 90239  
*Tech* (310) 923-2414



# The Sorceress

by Merrill Farmer

The not so "gentle" lady with the magic touch!

MONTHLY SPECIALS ON RADIOS, PARTS AND ACCESSORIES  
(Specials listed below are only good for the month of this special flyer.)

DECEMBER 1993

## HOBBY HORN

15173 MORAN ST. // P.O. BOX 2212

WESTMINSTER, CA 92683

(714) 893-8311 PHONE // (714) 895-6629 FAX

### JR RADIOS

	LIST PRICE	HH PRICE
X-347 FM W/4-507 SERVOS	\$559.95	\$364.99
X-347 FM W/4-517 SERVOS	\$625.95	\$404.99
X-347 FM GLIDER W/2-341 SERVOS	\$649.95	\$414.99
X-347 FM W/4-507 SERVOS	\$625.95	\$404.99
X-347 FM W/4-517 SERVOS	\$689.95	\$444.99
X-347 FM W/4-517 SERVOS	\$689.95	\$444.99
X-388* TRANSMITTER ONLY (SPECIFY)	\$439.95	\$276.99
X-388* FM AC W/4-507 SERVOS	\$649.95	\$414.99
X-388* FM AC W/4-517 SERVOS	\$719.95	\$454.99
X-388* FM AC W/4-517 SERVOS	\$789.95	\$494.99
X-388* FM AC W/4-517 SERVOS	\$809.95	\$504.99
X-388* FM GLIDER W/2-341 SERVOS	\$739.95	\$464.99
X-388* FM GLIDER W/2-341 SERVOS	\$799.95	\$504.99
MAX 4 AM W/3 507 SERVOS	\$199.95	\$129.99
MAX 4 AM GLIDER W/2-341S + 270 PK.	\$249.95	\$164.99
MAX 4 FM W/3-507 SERVOS/226RX**	\$249.95	\$159.99
MAX 4 FM W/3-507 SERVOS/226RX**	\$319.95	\$189.99

\* New increased capability radio based upon the X347. Now featuring 8 channel memory and more glider features. Four pages of info on sheets will be sent upon request. Available in Slider, Aircraft and Helicopter formats. Call me for full version prices.  
(\*\* THE "226" IS THE "Credit Card" RX)

### JR RECEIVERS (CONT)

	LIST PRICE	HH PRICE
649 PCM S, 9 CH MINI 505372 MHz	\$199.95	\$134.99
610 PCM G, RX, 10 CH 505372 MHz	\$199.95	\$134.99
940 PCM S DUAL CONV. 10CH 505372/2220.95	\$199.95	\$134.99
JR SERVO GUIDE 128 PAGE GUIDE TO ALL JR SERVOS		
GIVES FULL DETAILS ON ALL JR SERVOS, WITH MANY PIC-TURES AND DIAGRAMS. FREE WITH ORDER IF YOU REQUEST ONE, OR SEND \$5.00 TO COVER POSTAGE		

### AIRTRONICS:

VGR VANGUARD FM 4 CH W/3 1029	\$249.95	\$141.99
VGR VANGUARD FM 4 CH W/2 501 MICRO & MICRO RX	\$259.95	\$159.99
VG7P VANGUARD FM 7 CH W/4 1029	\$299.95	\$189.99
160F INFINITY 660 FM W/4 1029	\$679.95	\$394.99
V585P VISION FM, 72 MHz	\$999.95	\$504.99
V585P VISION PCM, 72 MHz	\$1049.95	\$534.99
102 STANDARD SERVO	\$34.95	\$16.99
831 MINI SERVO	\$49.95	\$28.99
141 MINI METAL GEAR SERVO	\$79.95	\$40.99
501 MICRO LITE	\$79.95	\$39.99
765 FM STD 6 CH RECEIVER	\$89.95	\$59.99

### FUTABA

4NLB AM 4 CH W/3 148 SERVOS	\$249.95	\$127.99
4NLB AM 4 CH ELECTRIC	\$319.95	\$169.99
7UGFS FM 7 CH 133DF GLIDER*	\$679.95	\$314.99
S-148 STD SERVO	\$39.95	\$17.99
S-133 MICRO SERVO	\$59.95	\$29.99
S-8102 MICRO METAL GEAR SERVO	\$79.95	\$42.99

### GENERAL

SERVO SAVERS (FOR YOUR FLAPS)	\$3.00	\$2.49
FOR AIRTRONICS OR JR SERVOS	\$3.00	\$2.49
HOBBY HORN SUPER DUTY TOW HOOK		\$3.00
HOBBY HORN WING SERVO PAIRINGS (4)		\$4.00
HD EXPANDED SCALE VOLT METER	\$19.95	\$14.99
HD TRANSMITTER CASE (DOUBLE)	\$74.95	\$49.99
FEATHER CUT MACHINE		\$149.95

NOTE: WHILE I CARRY SOME OF THE ITEMS ABOVE IN STOCK, MANY OF THEM ARE THE FREQUENT DEMAND ITEMS SUCH AS RACKS AND RECEIVERS. PLEASE BE AWARE THAT MY AVAILABILITY CAN BE DEPENDANT ON STOCK AT OUR SUPPLIER. MOST OF THE ITEMS ARE OBTAINABLE WITH ONLY ONE OR TWO DAYS DELAY (TO OUR STOCK). JUST USE US A CALL WITH YOUR DESIRE, AND WE WILL CHECK FOR AVAILABILITY AND ON-SPECIFICITY NORMALLY (UNTIL WHEN APPROPRIATE, PLEASE SPECIFY WANTED ITEM). GIVE ME SOME ALTERNATES IF YOU CAN!  
AS THE PRICES FROM OUR SUPPLIER ARE BASED UPON THE SPECIALS WHICH CHANGE FREQUENTLY, OUR PRICES WILL BE THE BEST. IF YOU DO NOT HAVE A CARD, PLEASE CONTACT US FOR CURRENT PRICES.  
THANKS FOR SHIPP. HOPE YOU  
I am looking for a member of the Futaba Older System, so if you have need of programming them, I have made up a detailed programming list for Ekvette and other past gliders which I can mail to you.  
(Harms. Looking for JR 6 meter stuff? give me a call.)



**SPECIFICATIONS:**

Wing Span:	50"	Airfoil:	S3016
Wing Cord:	6"	Fuselage length:	27 1/2"
Wing Area:	280 sq. in.	Pod length:	12"
		Flying Weight:	12 - 20 oz.

*"Aerobatic, Versatile, Durable"*

The aileron slope ship with an all new aerodynamic pod design and streamlined tail. This new look will increase speed and maneuverability. The built up wing and solid tail will make construction quick and simple. Don't miss the MAGIC!

**MMM** *Glider Tech* P.O. Box 39098  
Downey, CA. 90239  
(310) 923-2414

ANY SPECIAL REQUESTS? GIVE ME A CALL FOR A QUOTE!

**CENTRAL ARIZONA SOARING LEAGUE  
PROUDLY PRESENTS THE SIXTH ANNUAL  
SOUTHWEST WINTER SOARING CONTEST  
FEBRUARY 5th & 6th, 1994**

**SK:** Thursday, Feb. 5th, 1994  
 • First round will be a 3 minute Precision/Duration.  
 • Rounds 2-4 will be a Three round Triathlon contest.  
 • Fifth round will be a 5 minute Precision/Duration.

**Friday, Feb. 6th, 1994**  
 • First round will be a 3 minute Precision/Duration.  
 • Second round will be a 5 minute Precision/Duration.  
 • Third round will be a 7 minute Precision/Duration.

**NDINGS:**  
 • Triathlon - L8 modified  
 • Precision/Duration - L8 modified

**ASS:** Unlimited - 444(D)  
**UNCHING SYSTEM:**  
 Rahm winch, deep cycle Marine/RV battery w/ constant charging.

**FE:** CASL FLYING FIELD - Rodeo Park; Ray and Val Vista Rds, Gilbert, AZ.  
**RAFFLE:** Great Hobby Items! - Sunday, immediately after contest.

**LDIGS:** 1991 Gold Stickered Radios, odd & even frequencies allowed.  
**C.D.:** Ed Parrish (602) 839 - 107  
 Info: Iain Gilthorpe (602) 831-1905

**M.A.:** 1994 AMA cards will be required at registration time. One pilot per plane. One plane per pilot with a backup on same frequency allowed if primary plane determined unflyable by the C.D. All AMA rules apply.  
 Make all checks payable to:  
 Central Arizona Soaring League  
 Iain Gilthorpe - CASL  
 1118 W. Lynner Ave.  
 Mesa, Az. 85202

**SOUTHWEST WINTER SOARING CONTEST - FEBRUARY 5th/6th, 1994**

NAME \_\_\_\_\_ PHONE \_\_\_\_\_

ADDRESS \_\_\_\_\_ CITY/STATE/ZIP \_\_\_\_\_

AMA # \_\_\_\_\_ FREQUENCY:    #1    #2    #3   

BIRTHDAY \_\_\_\_\_ TEAM (Must be AMA chartered) \_\_\_\_\_

ENTRY FEE: \$25.00

**BFO:** \$8.00 x \_\_\_\_\_ = \$ \_\_\_\_\_

**SWSC '94 SHIRTS:** Golf \$20.00 x \_\_\_\_\_ = \$ \_\_\_\_\_

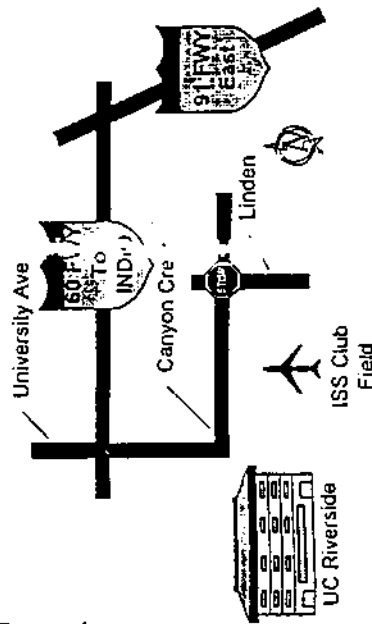
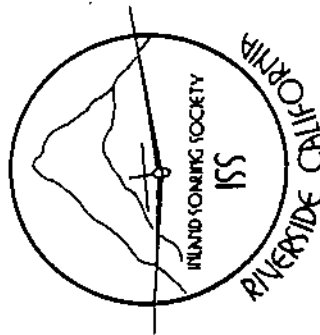
Normal \$12.00 x \_\_\_\_\_ = \$ \_\_\_\_\_

TOTAL ENCLOSED: \_\_\_\_\_

# 1st Annual ISS Dash For Cash Hand Launch Contest

## January 30, 1994

Signups starting 8:30 am Tasks announced at pilots meeting.  
 Entry Fee for the cash is \$15.00 Pilots not flying for money entry fee will be \$7.00. Max wing span 60" or less AMA License required  
 Payoffs to Fifth place and Trophys to third place for those not flying for the pot. About 5 to 6 rounds all Man-on-Man. For information call Todd Billman (909)683-8571 or Joe Rodriguez (909)924-9537



## HSS DECEMBER MONTHLY RESULTS

### UNLIMITED

	Score	Normalized	Trophy
1. Bob Sliff	2959	1000	1st Expert
2. Roger Lackey	2948	996.3	2nd Expert
3. Ben Clerx	2939	993.2	3rd Expert
4. Tom Vincent	2892	977.3	1st Advanced
5. Jerry Bridgeman	2881	973.6	2nd Advanced
6. Mike Aguirre	2857	965.5	
7. Dan Wilson (guest)	2836	958.4	
8. Mike Carrico	2825	954.7	
9. Pat Stoker	2820	953.0	
10. Andy Sanders	2790	942.9	
11. Ross Thomas	2784	940.9	
12. Steven Fink	2758	932.1	
13. Larry Enger	2724	920.6	
14. David Nemecek	2678	905.0	
15. Dick Pantzar	2672	903.0	
16. Nick Buzolich	2644	893.5	1st Sportsman
17. Gordon Ritschke	2560	865.2	
18. Al Cron	2461	831.7	
19. Norm Kutch	2408	813.8	
20. Gordon Poulsen	2383	805.3	
21. Eric Thornton	2328	786.7	2nd Sportsman
22. Pete Young	2300	777.3	
23. Bill Duncan	2186	738.8	
24. Curt Nehring	2166	732.0	
25. Randy Bratrud	1816	613.7	
26. Fred Biddle	601	203.1	

### TWO METER

1. Mike Aguirre	2803	1000	1st
2. Roger Lackey	2606	929.7	2nd
3. Bob Sliff	2554	911.2	3rd
4. Ross Thomas	2513	896.5	
5. Norm Kutch	2398	855.5	
6. Mac Kieltyka	2045	729.6	
7. Pete Young	1963	700.3	

VIRGIL KILPATRICK  
349 VILMORE AVE  
VENTURA CA 93003



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



Charter # 128

### JANUARY HSS MEETING

DATE: Wednesday, January 5,  
7:30PM

LOCATION: Refer to page 1.

#### BUSINESS AGENDA:

- newsletter funding
- club winch
- HSS SC2 date
- review of by-laws
- new meeting location
- new trophy ideas

#### MODEL STUFF "WORKSHOP CLEAN- OUT SALE":

Bring in your unwanted  
airplanes, radios, kits,  
equipment, and supplies to sell,  
barter, or give away (!)!!!



P.O. Box 1673  
Costa Mesa, CA 92628



### FIRST CLASS MAIL

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