

AMA Charter Club #128
<http://www.1hss.org>

HSS is the oldest AMA chartered R/C Soaring Club in the USA
Founded in 1964

JANUARY 2004

VOLUME NO. 41

This Month's Featured Model Jim Parson's Original Spectra 123 Thermal Duration Sailplane

From the onset the Spectra 123" was designed and built as a proof of concept plane. The goal being to produce an unlimited open class competition ship that could fly further, faster, and smoother than any plane currently available to the R/C soaring public. Exotic carbon and kevlar composites were used extensively in the building of this project.

The concept being that full size sailplanes utilize aspect ratios upwards and in excess of 30/1. The higher the aspect ratio the better the L/D (lift over drag - forward distance traveled in one foot of vertical loss) Full size sailplanes are currently exceeding L/D's of over 60/1, yet most competition R/C sailplanes can't cover half that distance.



My first attempt to build this plane using a true RG15 airfoil @ 8.9% thickness resulted in a plane which could fly extremely fast but had very poor slow speed flying characteristics. The plane was forever falling out of the sky due to tip stalling.

Unable to correct this problem I reverted back to researching full size sailplane designs. Having noted that although they have long skinny wings they actually use rather thick airfoil sections. By modifying the RG15 to 9.3% thickness for most of the wing with the tip section being thickened to 9.5% while being decambered by .5% I was able to eliminate these bad flying characteristics.

What separates the Spectra from most other sailplanes in its class is its high aspect ratio wing platform and true 22% constant taper control surfaces. The use of constant taper control surfaces is an important part of what makes this plane so smooth flying. Thickening of the RG15 also improved the planes ability to signal lift, a known bad characteristic of the RG15 airfoil.

Wing Span = 123" Aspect Ratio = 16:1 Wing Area = 950 sq. in.

The plane has proven to exceed all design goals while attracting lots of attention wherever flown, having been published in three different R/C soaring magazines. Contact Jim Parsons for further details.



January President's Message

Hello, my name is Troy Peterson and I am your new President for 2004. It is an honor to have been elected to this position and I want to thank those who have entrusted me with such a privilege. I want to first thank Karl Hawley for two years of hard work and dedication to the club and the promotion of our great hobby. He has been responsible for making our club stand out as a group of people who are a valuable asset to the City of Costa Mesa and a wholesome hobby for people of all ages to enjoy. He is responsible for getting myself and many of our fellow flying buddies involved in the club and communication with the City to keep our club informed of essential information regarding the field. Through my involvement in the club and through relationships with it's members, I have learned about the many challenges the club faces in regards to keeping the field in good standing. Through all of this I also found out that we have great people who are ready to help. There are many issues to deal with, but at the same time a lot of fun to be had. In the following months we will draw on the strength and support of the HSS members to make our club shine while keeping the field safe and fun for others to enjoy. There is a lot of great planning in the works to help educate and bring together the pilots that share Fairview Park's great gift; a wonderful place to fly! It is my goal and the club's goal to keep it a wonderful place to fly but myself and the rest of HSS needs your help and input to make it work.

I thought I would give you a brief history of my involvement in RC and how HSS and Fairview Park has made a difference to me:

I grew up completely fascinated with anything that had to do with airplanes. I started off with U-control when I was 13 years old and after learning the art of dizzy flying I graduated up to a Dynafight Wanderer 2 meter glider. After hacking the poor thing together and making many mistakes on its construction, I still had a pretty decent flying machine. I bashed and crashed it on our slope till it wouldn't fly anymore. I met a nice guy out at the slope, local glider guru and HSS member Jerry Bridgeman, and he donated some parts for me to make another plane. He took me under his wing and over the following years I developed the skills to fly faster and more high performance airplanes. I later became involved in slope racing and learned a lot about composites and airframe design. Between Jerry, myself and a couple of our Fairview flying buddies, we traveled around the Southland competing in slope races developing a reputation for fast airplanes that took on a lot of the top commercial models. I was also wrangled into a new segment of the hobby using electric cobalt motors in small, yet fast, pylon racers when most of the RC world still thought electrics were just underpowered gliders. Jerry was competing on an international level for high performance electric powered gliders in F3E (now called F5B) using Fairview park as his practice site. A new international class emerged for electric pylon racing called F5D and I was encouraged to try out for the team. Through the help of Jerry and other HSS members (including Bob Sliff and Larry Jolly) I qualified for the U.S. F5D Team and a trip to the Electric World Championship in Prague, Czech Republic. My teammates and I designed and built our own composite airframes and even built our own brushless motors from parts supplied from Aveox. After a wild week of racing and making many new friends from around the world, we came home with a well earned bronze medal and a life experience to always remember. Since then, I have competed in three more World Championships around the world for F5D and have had an incredible time doing it. I never imagined at 13 years old, tossing my Wanderer across Fairview Park, how my hobby would lead me in so many positive directions in life. Over the years it has been an invaluable education in science and aeronautics while providing a constructive outlet to keep me out of trouble as an energetic kid. It is my privilege to continue the promotion and education of our hobby for others to enjoy. Once again, thank you and Happy Flying!

Troy Peterson, President of HSS (This is an excellent introduction, Thank you Troy. Ed.)

Treasurer's Report

The treasurer was unable to prepare a report this month.

New Members

We would like to welcome Jim Ward, Larry Zysman, Arnold Frankenberger, Henery Smith, Eric Roberts, and Phillip Caricof. Lyndon Johansen (previous editor of Plane Rap) has also returned.



December 2003 Harbor Soaring Society Meeting Minutes

Meeting of executive session was held at 7:30 p.m. December 2nd with the official meeting of HSS opened at eight p.m.

General discussion included request by Fred Hesse concerning a donation to the City sponsored "Fun/Run Walk" to be held on Saturday, February 7. Discussion followed and it was decided that HSS would offer to man a booth. Also, it was discussed as to whether we should look into a cheaper source for the club T shirts. It was decided to stay with the better shirts. Any additional orders should be placed with Karl.

Fred Hesse asked for a consensus as to whether HSS should join OCMA (Orange County Modeling Association). It was decided by the executive committee that this would be advantageous to HSS and that we would prepare a required presentation for approval.

Approval was granted for publication of a one color tri-fold club brochure. An introductory pamphlet containing the scope of HSS, a membership application, rules and regulations and a site map will also be completed and printed. Our thanks to Jim Hansen for his efforts in this regard. President Troy Peterson will provide an upgraded site map for the brochure. Also thanks to our publisher Mike Gaczowski. for his help.

A discussion was held concerning the required AMA sanctions for the training of new fliers. It was decided that this matter needed further discussion before resolution.

Our Editor, Fred Hesse has agreed to write a proposal to AMA for a \$500 grant and Youth Education Stipend for his HSS sponsored "Adopt a School" program.

Our outgoing President, Karl Hawley, expressed his thanks for the opportunity of serving for the past two years and with a few poignant and well received comments, turned the meeting over to our new President, Troy Peterson.

Troy expressed his philosophy of the need for ongoing better relationships with the city of Costa Mesa and the possibility of perhaps bettering that relationship by renting a monthly meeting facility from the city for a nominal fee of only \$20 per month.

The newly elected Vice President, Jim Parsons summed up his philosophy as to the need for increased harmony, and better communication amongst the membership in an effort to promote better attendance at our club meetings.

Our new Secretary, Don Ramsay suggested that our old custom of having raffles of donated merchandise at club contests (and/or meetings) might promote better overall attendance.

After several servings of Pizza, a few bottles of wine, and copious amounts of malt beverages, the meeting was adjourned

Respectfully submitted, Don Ramsay Secretary (Nice report, Don. Thank you. Ed.)

Plane Rap Archives

Thanks to Joe Jones, we have four more issues added to our Plane Rap newsletter archives. We now have the 2001 June, July, August, and October issues. Again, if any one has any part of the issues listed below, we would love to add them to our archives (or at least a copy of what you have).

1964 through 1983: All issues missing.

1995: Aug missing.

1984: Jan through Sept and Nov missing.

1996: Feb, June missing

1985: June missing.

1999: Dec missing.

1986: May missing.

2000: Jan, July, Dec missing.

1987: Feb missing.

2001: Jan missing.

1994: Nov missing.

These archives are open to all members. Copies can be made upon request, or issues may be checked out for temporary use. If you have any of the missing issues, contact Fred Hesse (information on page 12).



Additional Meeting Notes

Club Shirts - Contact Karl Hawley if you would be interested in getting a club shirt. Polo shirts will be about \$38, and T-shirts will be less (about \$12 to \$14). The proposal is for an embroidered logo on the front and a three-color silk screen on the back.

2004 Dues - It's time to bring (or send) in your 2004 HSS club dues. It's same as before (no inflation at HSS), that's \$20 for senior members, \$10 for junior members (Under 17) and \$25 for new members (The extra \$5 is for your name pin). Be sure to fill out the continuing membership form included here in the January Plane Rap (Page 11), or available at the January meeting. Give your dues and application to Chris Adamczyk at the meetings, or mail them in: Attention Chris Adamczyk, P.O. Box 1673, Costa Mesa, CA 92626.

HSS Membership Application Form - The club needs all returning members to fill out a membership application form for each coming year. Note that several questions have been added to this year's application form. If you wish not to have some or any personal information published in the club newsletter, please strike out any of the data types (name, address, phone, or E-mail) that should not be published. HSS does not sell or make available our membership list to anyone except for that information published in this newsletter (which also appears on our web site).

We are now making E-mail delivery of each month's newsletter available. It costs about \$4.00 for printing, plus \$4.44 for stamps each year to mail out hard copy. If you would like to save the club almost \$10.00 per year, check the box for E-mail delivery. It will get to you quicker and arrive in living color!

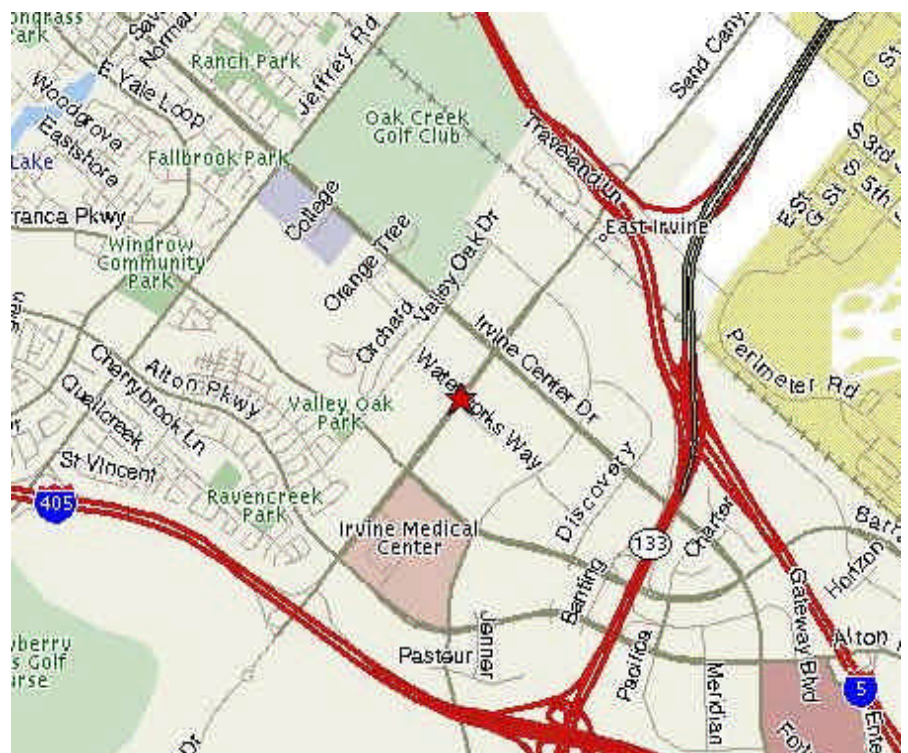
Since the last Plane Rap, the HSS membership application form is now further revised. Chris Acamczyk suggested that we add a question concerning each member's interests. Excellent idea, so please check all the boxes that you are interested in, now and in the future. This could lead to new activities, forms of competition, and field improvements such as a charging station for the ever more popular electric powered planes. All of us that have already submitted our application without the interest choices may submit a second application showing your interests. Mark the second application as "Amendment".

January 6th Meeting Notice

The next meeting will be Tuesday January 6, 2004 at the Irvine Water District. The address is 15600 Sand Canyon Drive. There are exits for Sand Canyon Drive on both the 5 and 405 freeways.

The executive council meets at 7:00 PM, and the business meeting starts at 7:30 PM. This is a particularly important meeting because we now have our 2004 club officers running the show.

Come join the fun.



AMA Convention 2004

The annual Academy of Model Aeronautics Convention for 2004 will be held at the Ontario convention center. The address is 2000 Convention Center Way, Ontario, CA. Dates and times are as follows:

Friday	January 9	Noon – 6 PM
Saturday	January 10	10 AM – 6 PM
Sunday	January 11	10 AM – 4 PM

Admission is \$8 with current AMA card or \$10 without.

This is the biggest modeling event you will ever see! They have everything in planes, cars, boats, and you-name-it. Have you seen the 6 foot R/C blimp? How about the turbojet engines? The scale model aircraft competition is spectacular. Be sure to catch the R/C naval ships with their CO2 guns firing ¼ inch ball bearings at each other. Or, the 8 foot R/C submarines? All the vendors are there with fabulous discounts. This is a show that is so immense that it is difficult to cover even on the longest day it is open. The indoor electric R/C demonstrations are great, and the seminars are top notch (Like last year’s presentation by Dr. Paul MacCready about his UAV accomplishments).

Directions to AMA Convention in Ontario California

Exit the 60 freeway in Ontario at S Euclid and proceed north on S.Euclid to D Street. Go right (East) on D Street. At Vineyard the name changes to E. Convention Center Way. Continue to the Convention Center.



Activities at Fairview Park – Saturday 7 Feb 2004

The City of Costa Mesa is celebrating it’s 50th year. Among activities planned will be a 5 kilometer Fun Run/Walk at Fairview Park on Saturday 7 Feb 2004. To participate, contact Amy Kuchta at (714) 754-5065. Registration is \$20 for adults and includes breakfast and a T-shirt. The race is scheduled from 8 to 9:30 AM, and will be followed by a raffle, awards, a live band, and a Community Expo at the park.

Harbor Soaring Society has been invited to participate in the Community Expo by having a booth. We plan to show a number of planes, and have members present that can introduce the public to our club, pass out brochures, and answer questions. (Editor’s note: Amy Kuchta agrees that giving flying lessons could be a really neat special feature. Those with AMA Introductory Pilots Ratings might take note.) We need a number of enthusiastic members willing to show off our static display of planes and talk to visitors. Please contact Troy Peterson or Fred Hesse (Phone numbers on the last page of this newsletter).



Flight School

I have been eager to re-publish some of the great articles that may be of help to so many of us who are trying to learn to fly, so here it goes. This is an excerpt from the grand master of soaring, and has become the classic text.

DAVE THORNBURG'S RULES

- Drift with the lift. Thermals tend to blow along with the wind, so follow them.
- Stay with what you've got. Low thermals have down air nearby.
- There ain't no zero lift.
 - a) A weak, low thermal will almost always grow.
 - b) If you're not sinking, there's some lift.
 - c) If you're sinking, move someplace else — fast!
- Don't leave a thermal and come straight back upwind.
 - a) Sink holes follow thermals.
 - b) Strong lift will usually have strong downs nearby — and vice versa. If some air is going up, some other air must be coming down to replace it, and vice versa. Sometimes the patch of down air (sink) is so large that you can't get out of it.
- Fuselage angle indicates rising or sinking air.
 - a) Thermals will tend to push the plane outward, so turn back against lift-induced turn to get into the core.
 - b) Establish where the core is by making a couple of passes through the lift.
 - b) Once circling in lift, notice which side of the circle is better, and drift in that direction.
 - c) The implicit rule is: Slow down in lift, and speed up in sink. Once you find a thermal, don't lose contact with it! Sometimes you find a nice thermal and think you've got your 10 minutes made. You relax. The next thing you know, you're sinking, and you're wondering where the heck the lift went!
- Develop a minute sensitivity to air quality.
 - a) Lift comes through in cycles.
 - b) Hot spots for thermals and ridge-type lift tend to stay put for a long time.
 - c) A thermal passing through as you launch can often be overtaken downwind.
 - d) A sudden wind shift usually indicates a thermal nearby — the wind on the ground blows toward the thermal. You need to feel small air-temperature changes — warmer means lift, colder means sink. You need to know which way the wind is blowing without looking at your ribbon.
- Learn to use ballast.
 - a) Wing loading translates into flying speed (the heavier the plane, the faster it must fly).
 - b) The trick is to add enough ballast to achieve good glide speed without handicapping the ship in weak lift or making it too hard to land.
 - c) If the wind is strong enough to require ballast, flying downwind is usually bad.

The fast, more efficient ships benefit most from ballast. There's no point putting a pound of lead in a Windrifter for 20 mph conditions, because it won't fly faster than 20 mph anyway.

- Ways of finding lift. There are several visible signs of lift that you should watch for: shifts in the wind or temperature, swifts chasing bugs, other sailplanes, etc. Soaring birds may be around to key off of, but they may be up too high for accurate thermal telltale. Piggybacking off another flier also works!

From Model Builder, Sept. '87 / NSS journal, Nov. - Dec. '88

Dave Thornburg's book "Old Buzzard's Soaring Book" is back in print. It is now available by Carstens Publications, Inc., Newton, NJ. It is also possible to order the book from the web at the following link:

<http://www.carstens-publications.com/hangar/a11560.html>



Editorial

The following is a totally delightful message that I would like to share, from Bill Eckles. He is a club member who is very enthusiastic about sailplanes. (I wish I could write like this:)

It was Sunday November 16 when I stretched my new high start out 70 steps and, with trembling fingers, let fly my "new" Bird of Time. Twice prior I had launched this neat soarer and twice I had retrieved multiple pieces because of what I chose to call radio error or faulty construction of my ARF Bird of Time. This, the third \$150 attempt, which sat in my bedroom for over two months while I practiced again and again on a Gentle Lady, take-off, landing, take-off, landing, each time doing less and less damage to my plane.

A sunny day, thermals abounding, not too many watchers at the field and it seemed the time to give it a go...again! So, up, up, up she went, leveled out and flew off the parachute. Thanks, God...made it this far. Then, heading over the slope I got a bounce that sent it up a hundred feet or so and I'm thanking anyone in the vicinity. A few more turns and she's cruising smoothly at un-experienced heights.

After maybe ten or twenty minutes, it seemed like an hour, I brought her behind the path at about 50 feet and floated farther and farther down the field. Not very far from the stake for my high start, she finally glided to a stop with nary a bruise or a scratch. The practice had paid off. The care provoked by fear had, as well, made all the moves at least manageable. And I felt like a million dollars. A sense of satisfaction that only we who have messed up so often can recognize.

No surprises here. This is just to express how learning the "right" way delivers some very nice rewards. I'd pushed it unsuccessfully. Letting my naive thumbs learn with a nice trainer and at a manageable pace paid off in a successful and exhilarating flight. I just wanted to share it with others...all of you have been there. I'll be joining you on further steps. Thanks for the help so far. This makes the club membership worth it many times over.

Bill Eckles

Editors learning experience: From someone more knowledgeable: "Never learn to fly on a plane that you are emotionally involved with."

More Editorial Blah Blah

We thought we would introduce a new masthead for Plane Rap. That's the heading on the first page that gives the name of this publication in some stylized fashion. It's a new volume (number 41), so why not. Volume 41 means we have a history of 40 years behind this club. I love it, but there was no celebratory party! You don't have to say anything if you like the new masthead, but if you don't, you better get a hold of the editor and tell him how to fix it. Otherwise, you're stuck with it for at least the next year.

The editor apologizes for last month's misinformation concerning the Soaring Society of America and their national convention at the Ontario Convention Center on February 5-7. He was so excited by Larry Tuohino's feature article that he may still be camped there at the door when it really does happen in 2005 (not 2004).

Adopt-A-School Status Report for November 2003

The radio controlled model aircraft flight training classes are continuing at the Boys and Girls Club of Huntington Valley, on Brookhurst in Mile Square Park. With daylight savings time ending, we are now concentrating on flying, with 10 to 12 enthusiastic students attending each Thursday. Classroom activities have been reduced to a demonstration of Mono-kote application, and a discussion of the component cost of gliders, power planes and motor gliders. This is particularly appropriate with the Christmas season imminent. A number of parents are asking for (and receiving) guidance with model and radio selection.



Adopt-A-School Report (Continued)

Arrangements are being made with John Pham, the club manager, to give one of the recently donated radio systems and a 2 meter glider to the Boys and Girls Club. This plane would be the responsibility of Jason Le who has been the group leader. He will provide the maintenance and flight instruction to club members on a continuing basis.

The group of students at Heninger Elementary School in Santa Ana now number four to five dedicated members. They have been meeting twice a week up to the end of November. The school takes all of December off, during which time plans will be prepared for the next phase of the flying club. The assembly of the second Cirrus glider (donated by Hobby People) has been completed, and three students participated in the initial flights on Saturday the 15th of November.

Plans are being made to continue our Adopt-A-School program with Fountain Valley School District for their Teen Activities Program (TAP). A meeting is scheduled for early December with Sue Bohlen, who is the District manager of the teen program. The classes will be conducted at Fulton Middle School in Fountain Valley, beginning in late January 2004.

The photograph of our Adopt-A-School student featured in the Sunday June 1, 2003 issue of the Daily Pilot was of particular interest to Richard Hanson, AMA District X Vice President. A brief description of the HSS program will be run with the photo in the February or March 2004 issue of Model Aviation, as part of his District X report.

The Orange County Register contained a photo feature of our Adopt-A-School classes at the Boys and Girls Club of Huntington Valley recently. This was printed in the Thursday August 21, 2003 issue of the Fountain Valley View, a local interest section distributed with the Register.

Fred Hesse (Adopt-A-School instructor)

Donations to the HSS Adopt-A-School Program

Blair Hamilton who has been an HSS member until recently, has just made a magnificent donation of six gliders to our program. These include a (like new) 100" South Wind polyhedral glider, a beautiful two meter Gnome, and four 1.5 meter hand launch gliders set up for high start. Blair's workmanship is superb. He has included five Airtronics transmitters, and all planes are outfitted with receivers and servos. Blair will be moving back East just outside of Chattanooga Tennessee, to live with his daughter. He feels he wouldn't be able to use so many planes, and wishes to put them to good use. He is, however, hanging on to one 2-meter motor glider so as to keep up his flying capability. We expect to give several of these planes and radios to a couple of the more enthusiastic students who don't have the where-with-all to purchase their own. Thanks again Blair, we appreciate it and the kids will be overjoyed.

Many thanks to our outgoing president, Karl Hawley, who has donated a new Mini Max electric park flyer to our training squadron. Now can you think of anything more benevolent than a died-in-the-wool glider guider encouraging young children to fly electric powered aircraft? What a guy!

HSS Thermal Duration Contest Results

Sorry, but Tom Copp may have the October 12, Dec 7, and year end contest results in the February issue.

Plane Rap Classified Ads

For any one with something to sell, we are glad to provide an advertisement here in Plane Rap. Remember, this publication reaches 125 members, and goes to the AMA and a number of hobby shops as well as local clubs. Also, it is published on our web site that has nearly 103,000 visitors to date. Call or E-mail the editor at the addresses given on the last page of this newsletter.



Coming Events For 2004

- Sunday January 4 First HSS thermal duration contest for 2004.
- Tuesday January 6 HSS monthly meeting, 7:30 PM, at the Irvine Water District offices. Address is 16500 Sand Canyon Avenue, in Irvine. See map on page 4.
- Fri-Sun. Jan 9-11 AMA IMS Convention Ontario Convention Center. See write-up below.
- Sunday February 1 Second HSS thermal duration contest for 2004.
- Tuesday February 3 HSS monthly meeting, 7:30 PM, at the Irvine Water District offices. Address is 16500 Sand Canyon Avenue, in Irvine.
- Saturday February 7 Fairview Park/Costa Mesa 5K Fun Run/Walk and Community Expo. Help with the HSS booth is needed. See write-up on page 5.
- Thurs-Sat Feb 5-7 **This Event has been moved to Atlanta. Sorry for the misinformation.** Soaring Society of America National Convention, no longer at Ontario Convention Center.
- Sat-Sun May ?-? CVRC Bent Wing Competition, Visalia
- Sat-Mon Sept 4-6 Vintage Glider Meet (Info will be provided by Larry Tuohino)
- Sat-Sun October ?-? CVRC Fall Glider Festival, Visalia CA

HSS Sponsors

The following companies are the proud sponsors of Harbor Soaring Society. They give us special offers, and make contributions to our Adopt-A-School program. In return, please support them, and mention that you saw them advertised in the HSS Plane Rap newsletter.

JAX HOBBIES
*Specializing in Radio-Controlled Models
 Plastics & Trains*

(714) 378-8924

17431 Brookhurst, Unit 107 Fountain Valley, CA 92708 (Brookhurst at Slater North of 405 Freeway)	Hours: Mon. - Fri. 10:00 - 8:00 Sat. 10:00 - 6:00 Sun. 10:00 - 5:00
---	--

As a courtesy to HSS members, 10% will be taken off regularly priced items. Special price adjustments will be made on sale items. Mention HSS club affiliation prior to ring up.

COMPOSITE SPECIALTIES
F3X.COM

IMPORTERS OF WORLD CLASS
 F3B/F3F/F3J COMPETITION
 SOARING MACHINES

Tom Copp (949) 645-7032 tom@f3x.com



Hobby People®

DISCOUNT HOBBY STORES



NEW!

Aero Princess 15

Pattern style flying on a smaller scale... *.15-size power!*

In stores January 1, 2004. Come in and check it out today! Check out the AP-15, too, sold separately!



No. 127505
ONLY!
\$79.99

DON'T MISS A **GOLDEN OPPORTUNITY!**
GET ON OUR MAILING LIST FOR SPECIAL SALE EVENTS!

Name: _____
Address: _____

City: _____
State/Zip: _____

Primary interest:
 Planes Cars Both

Drop this form off at your nearest Hobby People store, or send it to: Hobby People Mailing List, 18480 Bardell Circle, Fountain Valley, CA 92728-8610

CLUB MEMBER SPECIALS!

MONEY SAVING COUPONS — USE BEFORE 1/31/04

Hobby People CLUB COUPON

AP 15 **SAVE \$1.00** 20% OFF!
No. 211315 **YELLOW JACKET ENGINE** 39.99
Regularly 49.99

ONE COUPON PER CUSTOMER. OFFER EXPIRES JANUARY 31, 2004

Hobby People CLUB COUPON

APC 8x4 **25% OFF!**
No. 608240 **PROPS** 1.54
Regularly 2.06

ONE COUPON PER CUSTOMER. OFFER EXPIRES JANUARY 31, 2004

Hobby People CLUB COUPON

AP NFX 25% **SAVE \$2.00** 25% OFF!
No. 211125 **NITRO FUEL 1-QT.** 5.99
Regularly 7.99

ONE COUPON PER CUSTOMER. OFFER EXPIRES JANUARY 31, 2004

Hobby People CLUB COUPON

LIFT TECH **SAVE \$2.50** 50% OFF!
No. 300550 to **Colored Tapes** 2.50 ea.
No. 300561 Perfect for EPP foam models. No qty. limit!
Regularly 5.00

ONE COUPON PER CUSTOMER. OFFER EXPIRES JANUARY 31, 2004

Hobby People CLUB COUPON

Thunderbolt #3 **SAVE \$1.00** 20% OFF!
No. 115568 **GLOW PLUG** 3.99
Regularly 4.99

ONE COUPON PER CUSTOMER. OFFER EXPIRES JANUARY 31, 2004

Hobby People CLUB COUPON

For XLS 40-52 No. 279940 **MAGNUM "Pitts" Mufflers** 18.24 **SAVE 35%**
Regularly 24.99

For XL 61-75 No. 279945 **Mufflers** 22.49 **SAVE 35%**
Regularly 29.99

ONE COUPON PER CUSTOMER. OFFER EXPIRES JANUARY 31, 2004

NOW 21 STORES
In So. Calif. & Nevada

CALIFORNIA

ESCONDIDO
358 W. El Norte Parkway
760-739-5888

SAN DIEGO
4344 Convoy St.
South of Balboa
858-268-7997

EL CAJON
469 Broadway
At Bellarmine
619-444-6135

WEST LOS ANGELES
10915 W. Pico Blvd.
Pico at Westwood
310-234-2425

LA HABRA
1401 S. Becon Blvd.
Near Imperial
562-947-2574 714-994-5721

PASADENA
270 North Hill Ave.
North Hill at Locust
626-568-0883

ENCINO
5541 Balboa
Balboa at Burbank
818-995-1162

ORANGE
311 E. Katella Ave.
Near Glassell St.
714-288-8170

LAWDALE
16725 Hawthorne
Hawthorne & 168th
510-214-0244

FOUNTAIN VALLEY
18475 Pacific Street
405 Fwy. Euclid exit
714-954-8545

LAKEWOOD
5449 South Street
South at Bellflower
562-804-2515

CAMARILLO
1775 E. Daly Drive, H
near Carmin Drive
805-445-1305

SANTA CLARITA
20655 Schaefer Can #41
Between I-5 & I-14
661-290-3300

CHINO HILLS
2971 Chino Ave.
In Rolling Ridge Plaza
909-364-0167

RIVERSIDE
10128 Indiana Ave.
Tyler Village Center
909-785-6773

RANCHO CUCAMONGA
12459 Foothill Blvd.
Foothill at 15 Fwy.
909-463-0557

MURRIETA
26755 Jefferson Ave.
Between Murrieta &
Winchester
909-677-5818

REDLANDS
830 Tr City Center Drive
I-10 at Alabama
909-307-1185

Hobby People®

DISCOUNT HOBBY STORES

NEW STORE!

LAKE FOREST
23788 Mercury Road
In Rockfield Showplace
Corner of Rockfield & Mercury
(949) 609-1135

NEVADA

LAS VEGAS #1
2610 S. Decatur Blvd.
Decatur at W. Sahara
702-871-6191

LAS VEGAS #2
5466 Boulder Highway
At E. Tropicana Ave.
702-547-2204

HOBBY PEOPLE STORE HOURS: Monday-Friday: 10a.m.-9p.m., Saturday & Sunday 9 am to 6 p.m.

Always Offering You More™



MEMBERSHIP APPLICATION 2004

**Harbor Soaring Society
AMA Chartered Club # 128
P.O. Box 1673
Costa Mesa, CA 92628
AMA's Oldest Chartered Soaring Club**

I understand that by applying for membership in the Harbor Soaring Society, I must be a current member of the AMA.

Please Print

NAME _____ **Home Ph.#** _____

ADDRESS _____ **Work Ph. #** _____

CITY _____ **STATE** _____ **Zip** _____ **E-MAIL** _____

AMA # _____ **(PROOF OF STATUS REQUIRED, Xerox copy OK)**

DATE OF BIRTH _____ **Frequency channels used** ____/____/____/____

- NEW APPLICANTS (With Name Tag)--(17 years and older) = \$25.00**
- SENIOR MEMBER (Renewal W/O Name Tag)(17 years and older) = \$20.00**
- JUNIOR MEMBER -----(16 years and under), = \$10.00**
- FAMILY MEMBER -----(At same address) = \$ 5.00**
- Extra HSS Name tag----- = \$5.00**
- I hereby give my permission to publish my [NAME], [ADDRESS], [PHONE], [E-MAIL ADDRESS] in the monthly newsletter. (Strike out any element of personal information that should not be published)**
- I request E-mail delivery of the monthly Plane Rap newsletter in place of U.S. Mail delivery of hard copy.**

My interests in radio control flying include (Check all that apply including future interests):

Thermal Duration Gliders _____ **Slope Soaring Gliders** _____ **RES Gliders** _____
Large Scale Gliders _____ **Hand Launched Gliders** _____ **Electric Motor Gliders** _____
Park Flyer Electric Planes _____ **Acrobatic Electric Planes** _____ **Scale Electric Planes** _____
Electric Pylon Racing _____ **Indoor Electric Planes** _____ **Electric Helicopters** _____

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 and such dues will make the new member paid in full for the following year. A signature is required from all Harbor Soaring Society members, agreeing to comply with the current AMA 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 FCC. Further, any transmitter that I use at any designated HSS flying field must be manufactured to meet the AMA/FCC specified 20 Khz per channel 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 _____



HARBOR SOARING SOCIETY OFFICERS FOR 2004

President	Troy Peterson	(714) 540-2441	troyflyboy@aol.com
Vice President	Jim Parsons	(714) 636-9867	jpspectra@aol.com
Secretary	Don Ramsay	(949) 759-1984	yasmarnod@sbcglobal.net
Treasurer	Christoff Adamczyk	(949) 760-5038	czyk@adelphia.net
Editor	Fred Hesse	(714) 963-5838	fhesse@socal.rr.com
Publisher	Mike Gaczowski	(949) 582-9390	ppagano@concentric.net
Winch Engineer	Karl Hawley	(949) 574-9379	www.1hss.org
Webmaster	Steve Hendry	(714) 996-6183	4hendry@adelphia.net
General Director	Troy Peterson	(714) 540-2441	troyflyboy@aol.com
Contest Coord.	Tom Copp	(949) 645-7032	tom@f3x.com
Field Marshal	George Azvedo	(714) 832-7819	No E-mail address

See our web site at www.1hss.org for news, the color issue of Plane Rap, activities, pictures, and more. Now approaching 103,000 visitors.

**REMINDER: RENEW YOUR
MEMBERSHIP FOR 2004**

**NEXT MEETING AT IRVINE WATER DISTRICT,
TUESDAY 6 JAN 2004 (SEE MAP ON PAGE 2)**

HAVE A WONDERFUL HOLIDAY SEASON, AND MAY SANTA BRING YOU FUN TOYS!

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