



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

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

FEBRUARY 2005

VOLUME 42

Message From Your President

Hi fellow flyer, there is a lot going on in 2005. To start with, we are meeting with the Parks And Recreation Commission on January 26, 2005. Agenda includes topics on improvement to SILENT FLYER LAUNCH/LANDING SITE, in grading in the area and water for irrigation.

Our moneymaker contest is coming up in March, SC2, so we need all the help we can get to run it. On contest day if your not flying in the contest please use the parking lot over by the restroom, thank you

The field is looking really good and with very few cigarette butts on the ground. I would like to thank everyone for doing their part in keeping it clean.

EARTH DAY, coming up in April, on the 16th, look for info in the newsletter.

There is a survey coming up, please help by filling it out for the City of Costa Mesa. More info on that as I get it.

The HSS Club would like to recognize and give our thanks to Mike Geers, our new Safety Officer.

So that's all I have to say about that. Remember fly high, keep it up and if not remember to pick up all the pieces.

Karl Hawley.....Your President

January 4th, 2005 Harbor Soaring Society Meeting Minutes

The January 4th meeting was opened at 7:30 PM by our new president, Karl Hawley. We had 4 officers and 12 members and guests. Our guests included Henry Smith (Jr?) who flies electric planes, Robert Short, who had been an HSS member 15 to 20 years ago, and Pete Richardson – also a previous member.

A brief discussion brought up the need for Steve Hendry and Roger Lackey to close the club savings account and move the funds into the checking account. It was not clear what action would be taken.

Karl feels there is lack of planning within the club. Karl will provide his plan to club members.

Karl requested a copy of the letter to Hitec RCD requesting a donation to the HSS Adopt-A-School Program. Fred Hesse provided that copy at the January 20th board meeting.

Karl wants several members to attend the City of Costa Mesa Parks and Recreation Department meeting on the 26th of January, at 6:30 PM. Karl, Jim Parsons, and Jim Hansan will attend.

Karl wants a Executive Board and Steering Committee meeting at 6:30 PM on Thursday 20th of January, at Domenico's Restaurant, 562 W. 19th St. in Costa Mesa.

Karl requested a letter to the Daily Pilot newspaper inviting them out to do a feature on the club. That letter was prepared and given to Karl (by Fred Hesse) at the AMA Convention.

Karl wants to put on a Bent Wing glider contest on Saturday June 18th.

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Jim Hanson proposed another Electric Fun Fly similar to that held in 2004. Karl proposed that it be held on Sunday May 8th, which is the date for a CVRC glider competition.

John Anderson who is a new member with outstanding City Planning background, posed a number of helpful suggestions, but these were not reviewed. (Please see his comments elsewhere in this newsletter. - Ed.)

Mike Gaczowski brought up the recent cost of publishing the newsletter. He was tasked with the job of finding another low cost printing service. (Please see Mike's full report following these minutes. - Ed.)

Karl determined that the business part of the meeting should be reduced to 30 minutes, so the meeting was concluded at 8:05 PM.

Subsequently, show-and-tell included Jim Parsons discussing his new JR 9303 transmitter which he was able to attain for \$575 including a seven channel receiver and three digital servos. Jim Hanson brought in two profile electric 3-D planes, and Henry Smith Sr. and Jr. brought in several beautifully finished scale models.

Submitted by Fred Hesse, secretary.

The High Cost of Plane Rap

At the January 4th club meeting, Mike Gaczowski who is our newsletter publisher, brought in a report of the significant increase in publishing costs. Typically, we print 150 issues, with about 120 being mailed out to members, 20 sent to the AMA, associated clubs, and advertisers, and 10 copies distributed to potential members. Until recently, Mike has been getting an extremely good deal with superior quality. Total costs have been in the order of \$95 per issue for 150 issues. However, his printing service is no longer available, and he has had to resort to other sources. The January issue cost \$130, with Mike doing the copying, folding, stapling, and stamps. Unfortunately, the copy machine did not duplicate well, as you all probably noticed. Mike has a quote from Kinko's for \$219, for the whole task. This price is almost \$1.50 per issue including the 37 cent stamp. 12 issues would be almost \$18 which is 90% of your dues. Mike will look around for a better deal, but these prices are prohibitive. If we continue with printed copy of the newsletter, there may be a need for a dues increase. (The following article addresses a memo from Torrey Pines Gulls, and their reasoning for switching to strictly E-mail. - Ed.)

The editor would really like to thank Mike Gaczowski for his fabulous help with the newsletter. As publisher, he takes some pretty rough material and does a wonderful job of compressing the files, sending electronic copies to our web sites, maintaining the club address roster, getting it printed, stapled, folded, stamped and delivered each month, and always on time so that everyone knows the latest, and can be prepared at the next club meeting. He has been doing an outstanding job. Keep it up Mike, and thanks so much.

Oh No! Not The Dreaded E-mail Newsletter Problem Again

By coincidence, right after Mike Gaczowski addressed the cost of snail mail newsletters, Tuan Le our Assistant Webmaster who is helping with www.harborsoaringsociety.org, received the following E-mail from a member club of SCSC, the Torrey Pines Gulls. Tuan distributed this to the Executive council and Steering Committee as follows:

Here is a cut and paste from the The Torrey Pines Gull Website. I would like to propose something like this. Please read in its entirety. Thanks, (Tuan Le).

+++++

TPG Moves into the 21st Century

Gull Wings Newsletter Going Electronic!
Ron Scharck, Treasurer

Effective with the July 2004 issue, the TPG newsletter began being published in an electronic version only. Needless to say, the members of the Board of Directors—who, unanimously, passed a motion to convert the newsletter to an electronic version at the June, 2004 Board meeting—did not take this action lightly. There was much discussion and investigation—beginning at the January 2004 Board meeting—as to the pros and



cons of making the change and how best to facilitate it. The primary reasons for this change in club policy include:

1. Cost – In 2003, the club spent in excess of \$3,300 in publishing, printing and postage to deliver the printed version the newsletter to approximately 300 addressees.
2. Labor - While the financial aspect is a concern, the real problem is getting someone, or more accurately stated a group of volunteers, to do all that is required to get a printed newsletter from the editor's desk to your home. Once the newsletter editor produces the newsletter—which in itself is a very time consuming endeavor—this file must then be sent (or delivered) to the printer for printing. The hard copies must then be picked up, labeled, sorted by zip code and delivered to the bulk-mail area of a prescribed post office and the deliverer must wait for the post office employee to verify the mailing.
3. Computer/Web Savvy Membership – 97% of the TPG membership have given e-mail addresses on their membership applications. There are 180 registered members of the TPG's Yahoo Members Group.
4. Savings - By publishing the newsletter directly to the TPG website, we will be able to cut out almost all the costs and labor involved in printing and mailing the newsletter.
5. Better Product - We can produce a better product (newsletter). Instead of looking at black and white photos, print, etc., the web-based newsletter enables the editor to include color photos and print where appropriate, and links to take you to associated articles, etc. The opportunities to enhance the newsletter are limited, in most part, only by the imagination.

Other considerations addressed:

During the discovery process, we brought up every concern we could think of that we would need to address. The following are some of those concerns and the findings:

1. Download Time – In a random poll of 30 members, only two advised that they did not have high speed internet delivery. The member respondent with the least efficient internet access had a 56k dial-up modem and only 64MB of RAM. It took this member 3.75 minutes to download the sample newsletter. Most respondents reported download times of 40 seconds or less to download the same newsletter.
2. Hard Copy – “But I want a hard copy of the newsletter so I can read it at my leisure.” For those who want a hard copy, all you have to do is print it on your printer. And, you can print only what you want to keep.
3. Membership Reaction – Concerns were raised as to how the membership would respond to this change. The results of the poll of other newsletter editors who had made the change indicated that, given a explanation of the benefits, a vast majority of the members of these clubs preferred the electronic version. Full format, full color, accessibility, and other capabilities (links, interactive capabilities, etc.) that come with an electronic version made the change a popular one. No club reported any unusual decrease in membership or dues relative to the conversion.
4. Format – The overwhelming majority of those newsletter editors polled indicated that the PDF was the way to go. It is easy to use and produces the best results for this purpose. Adobe Acrobat Reader® is a free software that reads the PDF format. It is available for download on the TPG website.
5. Notification – When the newsletter is published on the website, our webmaster will send a notice to that effect to the following:
 - TPG Yahoo Forum
 - Radio Control Soaring Exchange (RCSE)
 - Bulk BCC e-mail to membership as provided by the Membership Chairman
 - Any other soaring exchange that might be appropriate.

As with any change, we fully expected there would be a few who would have problems with this change. We fully expected that we would experience some problems in completing the conversion. However, considering the time, investigation and consideration the Board has given to the matter, it would be a surprise if



you came up with something we have not already considered...but we invite you express your concerns. We will do what we can to make this very important change as smooth as possible.

If you would like to express your concerns with the new format, please give me a call (619-913-4949) and we can discuss them. I would love to hear from you. (end of the Torrey Pines Gulls e-mail)

Something that may not be readily apparent is that the Torrey Pines Gulls club has a Yahoo Forum, and 180? members are registered. HSS also has a forum that was set up last June by Jeff Gortatowski. He foresaw that forums are a great way to communicate to a group without having to send individual E-mails. By posting a message, the Yahoo Group site automatically distributes this message to all registered members. The HSS site while advertised in our newsletter, has not developed into the vigorous style of say the Mark Drela Allegro Lite forum. However, the structure is there and all the more easy to use for newsletter distribution.

All HSS members are encouraged to seriously consider the above message. It is one significant way to reduce our newsletter costs. Also note that in July 2004, the AMA stopped publishing the National Newsletter except in electronic form.

New Blood, New Spirit

As mentioned above in the January 4th meeting minutes, John Anderson recently joined HSS. While attending one of his first monthly meetings, John presented a memo to the club with some new and exciting ideas on developing the image of Harbor Soaring Society. He has the background to contribute to our relations with the City of Costa Mesa, and is interested in building our position in community service and public education. The following is his memo.

To: The Harbor Soaring Society
From: John Anderson - new member
Subject: Ways I might be of help.

As a new member I hope to help fellow members expand the Club's educational and community relations efforts as follows:

1. Provide a pre-RC learning opportunity by co-developing an educational program with the free-flight folks. (Ed. Note: The free-flight folks are a group that flies each Sunday morning at Fairview Park. We don't notice them because they fly from the middle parking lot as accessed from Placentia). I'm prepared to discuss this with various free-flight interests including the SCAMPS club at their Feb 1 meeting. Contacts include: Bob Meltzer, Hal Whitman, and Dick Baxter. Others like Sal Taibi (AMA Hall of Fame) and Stan Buddenbom (National FF Champion) may participate as well.
2. Expand contacts with the local schools via meetings with Tom Egan and Dave Brooks (Newport Mesa School District Board members. Tom is also a Park Board member); Tom Antil (Principal of Estancia High School-adjacent to flying field) and Justine Howard (Park Board Member and former Executive Director of the private Waldorf Elementary School-immediately adjacent to the RC flying field).
3. Become more familiar with AMA-related education efforts by attending the Education Meeting at the forth-coming AMA Convention.
4. Help represent flying model interests as an individual, as a Club member, and as a board member of the Orange Coast River Park Committee, along with fellow Board member/flyer Frank Colver. (and also share info about the Park efforts with the Club).
5. Provide additional community relations support as a former City Planning consultant. Perhaps help in various discussions and actions with the City of Costa Mesa.

I feel that it is in my selfish best interests as an avid flyer and park supporter to do what I can to insure my personal use of this last good remaining local flying site, itself part of a potentially spectacular 1000 acre park! In that regard, local student flyers have voting parents who can hopefully be counted on to help support the both the flying sites and the overall park.

So thanks for the opportunity to help out. I welcome your comments, suggestions, and guidance. PS: My RC stuff is a bit rusty and out of date, but I'll be back in the air soon. See you at the field!



Orange Coast River Park

John Anderson who has recently joined HSS and participated in our Christmas banquet, is an active member of a group that is encouraging the Orange Coast River Park project. This is a plan that seeks to include Fairview Park into the over all concept. He has provided the following information. Any one interested in a brochure, map, or other information can contact John at 949-723-1556 or access the web site listed below.

ORANGE COAST RIVER PARK

(An Opportunity to Restore 1,000 Acres of Orange County's Historic Riverside Landscape!)

A Proposal of the Friends of Harbors, Beaches & Parks**Where and What is the Orange Coast River Park?**

The Friends envision a 1,000-acre park and nature preserve at the mouth of the Santa Ana River -- in the heart of the Orange County coastal area. For perspective, this compares in size with the Golden Gate Park in San Francisco. It would be larger than Balboa Park in San Diego and Central Park in New York. The River Park would extend across 10 separately owned properties. Portions of the park would lie within the Cities of Costa Mesa, Newport Beach, and Huntington Beach, and under the jurisdiction of the County, State and Federal Governments. The park would also incorporate properties that are now privately owned but could be included in the park without acquisition costs.

Web site: www.ocfohbp.org

Harbor Soaring Bulletin Board

A new E-mail/bulletin board for HSS has been opened, called the CostaMesaSoaring group at Yahoo! Groups, a free, easy-to-use email group service. (This group was moderated by an unknown someone who turned out to be Jeff Gortatowski - Ed).

To learn more about the CostaMesaSoaring group, please visit <http://groups.yahoo.com/group/CostaMesaSoaring> (where you may join the group if you wish - Ed).

To start sending messages to members of this group (after you have joined), simply send E-mail to CostaMesaSoaring@yahogroups.com .

If you do not wish to belong to CostMesaSoaring, you may unsubscribe by sending an email to CostaMesaSoaring-unsubscribe@yahogroups.com .

Introductory AMA License for Reduced Rate

The AMA has developed a new licensing program to assist first time members in obtaining short duration insurance for a lot less than the full one year membership.

Program Overview:

\$19.95 cost for duration of program Membership valid for 3 months from date of acceptance, expires at end of 3rd full month, USA only. Fees are transferable to a full membership within the ninety day program (You must contact the AMA Membership department at 1-87-RENEWAMA (1-877-363-9262) before your trial membership expires).

Qualifications:

19 years old or greater by July 1st, 2005

First time members only, one Introductory Membership term per new customer

Program Benefits:

AMA insurance coverage, Model Aviation Magazine, Access to members only section of website, Ability to fly at thousands of AMA chartered club sites with appropriate club membership, 24/7 toll free verification – 1-800-I-Fly-AMA(435-9262) Ext 350.



Really Fun Web Site With a Flight Simulator

We all get emotional about the giant scale sailplanes, right? A regular treat is to go the Northeast Sailplanes web site and dream about getting one of the big ones. The nightmare starts when you look at the price (\$2000 to \$3000). Well here is a site that gives you a little bit of a taste for free.

First, we need to acknowledge that Endless Mountain Models on the East Coast is another one of those candy stores that imports all manner of beautiful giant scale sailplanes from Europe. They have a larger selection than most, and in some cases they have kit versions that need some work, but are under \$1000. What is special about this company and their web site which is www.scalesoaring.net, is that they offer the FMS (Flying Model Simulator) program as a free download. The real mind blower is that they offer specially made free add-ons to FMS that allow you to fly nine of their magnificent 6 meter sailplane models! This is all for free, and is a real kick. On top of that, they have a great thermal simulation feature that can keep you in the air indefinitely. You don't have to have any special attachment, as you can fly the planes from your keyboard. Pressing keys to fly takes a little getting used to, but at least you can make it work. However, it turns out that the GreatPlanes Gen-2 controller works quite well. If anyone has experienced Great Planes G-2 RealFlight Simulator, you know what fun they are. If you haven't tried it, come to a club meeting as we have it set up to play with, on the computer donated by Tuan Le. The FMS program is not quite as sophisticated as RealFlight, but flying a six meter DG800S or a Ventus 2C is still quite a thrill, especially for no cost. By the way, you really need to look at the Endless Mountain Models 5.5 meter scale Jaborca flying wing. It is not a simulator add-on, but it sure is spectacular.

If you enjoy the simulator but want to get a better feel using your own transmitter, Hitec RCD has the answer. They offer a two piece adapter cable that plugs into your Hitec trainer connector and converts to a standard USB port on your computer. The part number is 58318 for the two pieces and the list price is \$29.95.

Donations to our Adopt-A-School Program

I want to thank Bob Barry for his very generous donations to our Adopt-A-School program. They are really answering our needs. Bob donated a new Hitec 555 P-shift receiver, a Futaba AM receiver, and a number of servos. Larry Enger acted as coordinator and delivery service. We really appreciate your thoughtfulness. Thank you again, Bob, and also Larry.

Steering Committee Meeting Thursday, January 20th, 2005

Jim Hanson says we are paying \$20 per month for checking services. He says he can get checking for free after a \$15 set up fee at his bank. It was agreed to move the checking account to Jim's bank.

Jim Hanson provided bank statements and our tax identification number to Tuan Le. Tuan is checking on the club's non-profit status with the IRS.

The flying site survey form that Bill Eckles has prepared for the City of Costa Mesa was reviewed. Minor wording changes were made. This survey will receive final approval by the city at the Jan 26th Parks and Recreation Dept. meeting, then HSS members will conduct the survey of flying site users for the city. The survey will also be available on our web site. This meeting will be attended by Karl, Jim Hanson, Jim Parsons, and Tuan Le. The other major topic for this meeting will be the grading of our new take-off and landing area. It will be about 150' wide and 300' long, north of the paved pedestrian path.

Jim Parsons is interested in continuing with the proposed charging station to be added to the side of the HSS storage shed. The basic plan is to provide a shelf and 12 volt outlets so that electric flyers can charge their batteries. This would have some sort of locked protection accessible to club members and guests only. Note that El Dorado Silent Flyers have something similar but only 120 volt AC is available. Anyone with electrical background in 12 volt power systems and associated safety should contact Jim Hanson.



Lithium Polymer Battery Protection

If you are like many of us, you are just beginning to use the new Lithium Polymer batteries. They are fabulous, being higher energy density per volume and per weight. That means lighter planes that fly longer. This is, unfortunately, a new technology that we have to learn. One warning in the care and feeding of Li-Po's is that you do not let them discharge below 3.0 volts per cell. There is some argument about the precise value, but excessive discharge will permanently damage the cells. Now most of us have BECs (Battery Eliminator Circuits) from the old NiCD days that have a fixed low voltage cutoff of about 5 volts. The rich guys go out and buy new Castle Creations ESCs that have programmable cutoff voltages. However, these cost way plenty. So, some entrepreneurial whiz kid has come up with the following product. This is a copy of the instruction sheet, and your editor finds that they work quite well. Best of all you can buy one and move it from plane to plane since it automatically adapts to the number of cells in your battery pack.



- Lithium cells can be damaged when over-discharged. The **Li-Saver** prevents over-discharging.
- **Li-Saver** pulses motor to warn of low voltage before you damage your cells. Gives time to land.
- Easy and convenient, just plug **Li-Saver** in and forget.
- **Li-Saver** automatically adjusts to your cell count. No programming.
- **Li-Saver** works with 2-12 series cell packs to fit most any application.
- Use **Li-Saver** with or without BEC. Does not cut power to radio.
- Use **Li-Saver** with Li-Po or Li-Ion packs.

Weight: 5 grams. Size: 1 5/16" x 7/16" x 3/16"

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Let1Fly@aol.com (858) 693-8188

Caution:

On some ESCs, with on/off switches, the switch may not function correctly with the Li-Saver installed. The ESC could remain on even when the switch is turned off or, the motor could start for a moment when the switch is turned to the off position. Check to see if this is the case with your installation. Keep all body parts (yours and everyone else's) away from the propeller until the battery is disconnected.

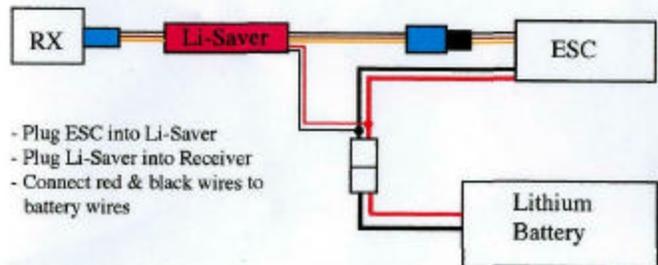
Warranty

The Li-Saver is warranted for 90 days from date of purchase for defects in materials and workmanship.

How the Li-Saver works:

The Li-Saver Low Voltage Cutoff unit is designed for R/C craft that use Lithium-Polymer or Lithium-Ion battery packs. These types of batteries require that they not be discharged below 3 volts per cell in a series configuration. The Li-Saver prevents this by pulsing the motor when the pack voltage approached 3 volts per cell. The pulsing effectively reduces the current load on the pack and thereby maintaining the minimum voltage. If the throttle is left on, the pulses will become longer until the motor stops altogether. Reducing the throttle will reduce the load on the pack and temporarily cause the pulsing to cease. Eventually the pulsing will begin again as the pack voltage lowers.

Installation:



- Plug ESC into Li-Saver
- Plug Li-Saver into Receiver
- Connect red & black wires to battery wires

Operation:

Plug a charged battery into your airplane and go fly. When you hear the motor begin to pulse: If flying at or near full throttle, reduce throttle and the pulsing will temporarily stop. If flying at low throttle, prepare to land soon.

The Li-Saver resets each time a battery is plugged in. The cutoff voltage is determined from the initial voltage. If a mostly discharged battery is plugged in, the Li-Saver may interpret it as a pack with one fewer cells than it actually has. Hence the calculated cutoff voltage may be lower than 3 volts per cell. Always plug in a charged or mostly charged pack for proper cutoff.

The "BEC enabled" Li-Saver unit will allow the BEC on your ESC to function as normal. The receiver will not be optically isolated.

The "Opto enabled" Li-Saver unit will optically isolate the receiver from the ESC. The BEC on your ESC will not function. You will need a receiver battery.



Membership Renewal for 2005

It's getting to be that time of the year to renew your HSS membership. The cost is the same as always, just \$20 for the year which includes your monthly newsletter, and two really great web sites. Over the past year, your leaders have worked with the city and made major efforts to maintain the image of HSS as a civic minded and safety conscious organization. We are making significant progress in both gaining city approval of our flying activities, as well as to improve our flying site and reduce risk to other park users. We appreciate your support, and encourage everyone to participate in not only flying, but also contributing ideas to methods of making Fairview Park an outstanding and safe flying site. The 2005 Membership application is found on Page 11 of this newsletter. Be sure to fill it out completely to assure the personal privacy that you wish, and to show what areas of interest that the club should focus on in the future.

Coming Events For 2005

| | | |
|-----------|----------------|--|
| Fri-Sun | January 28-30 | Arizonal Electric Festival, Mesa, AZ. For info: http://arizonelectricfestival.com . |
| Tuesday | February 1 | HSS monthly meeting, 7:30 PM, at the Irvine Water District offices. Address is 16500 Sand Canyon Avenue, in Irvine. |
| Sunday | February 6 | First HSS monthly club thermal duration competitions at Fairview Park. |
| Thurs-Sat | February 10-12 | 2005 Soaring Society of America Convention and Air Expo. These are the full sized sailplanes, Ontario Convention Center. Info: www.ssa.org . |
| Sunday | February 27 | First SCSC thermal duration contest at SWSA, |
| Tuesday | March 1 | HSS monthly meeting, 7:30 PM, at the Irvine Water District offices. Address is 16500 Sand Canyon Avenue, in Irvine. |
| Sunday | March 6 | Second HSS monthly club thermal duration competitions at Fairview Park. |
| Sunday | March 20 | Second SCSC thermal duration contest at HSS at Fairview Park. |
| Sunday | April 3 | Third HSS monthly club thermal duration competitions at Fairview Park. |
| Tuesday | April 5 | HSS monthly meeting, 7:30 PM, at the Irvine Water District offices. Address is 16500 Sand Canyon Avenue, in Irvine. |
| Saturday | April 16 | Fairview Park Earth Day, 9 AM to Noon. HSS R/C plane demos, park clean up, Free coffee & donuts, HSS will have a booth. |
| Sunday | April 24 | Third SCSC thermal duration contest at SWSA. |
| Sat-Sun | May 7-8 | CVRC Spring Bent Wing glider contest. Russell Pond club field, Visalia CA. |
| Sunday | May 15 | HSS 2 nd Annual Electric Fun Fly. Fairview Park, Costa Mesa. See new web site at www.harborsoaringsociety.org for details and application. |
| Sat-Sun | May 21-22 | RCX 2005 Radio Control Expo, Anaheim Convention Center. Info: www.rcx.com |
| Sunday | May 22 | Fourth SCSC thermal duration contest run by EDSF at HSS Fairview Park. |
| Saturday | June 18 | HSS Bent Wing glider competition. Fairview Park, Costa Mesa. |
| Sunday | June 26 | Fifth SCSC thermal duration contest at ISS, Reid Park Community Center, on Orange St. between Chase Rd. and Center St. Riverside, CA. |
| Sunday | July 17 | Inland Soaring Society's (ISS) 3 rd Annual RES Challenge. Reid Park Community Center, on Orange St. between Chase Rd. and Center St. Riverside, CA. |
| Sunday | August 28 | Seventh SCSC thermal duration contest at TOSS, |
| Sunday | September 25 | Eighth SCSC thermal duration contest at ISS, Reid Park Community Center, on Orange St. between Chase Rd. and Center St. Riverside, CA. |
| Sunday | October 30 | Ninth SCSC thermal duration contest at TPG, San Diego, CA. |
| Sunday | November 20 | Tentative tenth SCSC thermal duration contest by SULA at (TBS). |

2005 Soaring Society of America Convention

Larry Tuohino has provided information on the 2005 SSA Convention and Air Expo to be held at the Ontario Convention Center. Info. and tickets at: www.ssa.org . This will be Thursday thru Saturday, February 10 – 12, 2005. The show is open to the public, and exhibit (only) passes are \$20 advance purchase, \$40 at the door. There will be loads of full sized gliders, and great seminars by the likes of Paul MacCready and others.



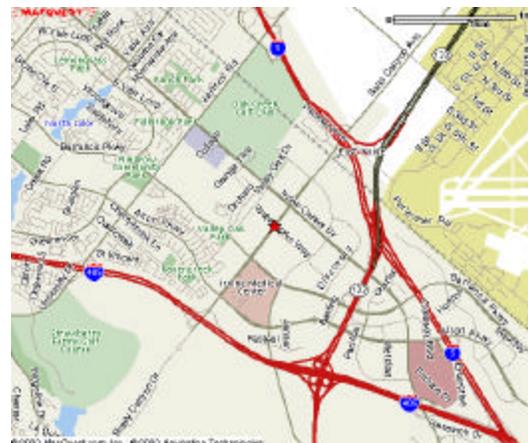
January 4th Meeting Notice

The next meeting will be Tuesday February 1st 2005, 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 business meeting starts at 7:30 PM. Come meet our new club officers, and find out how you can support our club.

New Club T-Shirts

Karl Hawley has received the new shipment of HSS T-shirts. They have the club logo on the back in full color, and a small sailplane on the front. These high quality shirts are priced as follows: T-Shirt, no pocket, \$5; T-Shirt with pocket, \$7; Golf shirt with a polo collar and a front pocket, \$13. These are available to all members. Contact Karl and get yours before they are all sold out.



HSS Sponsors

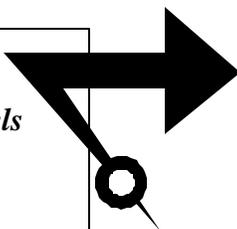
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FEBURARY 2005

ELECTRIC FLYER SPECIAL

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No. 159272

Genesis 40-amp ESC
No. 159276

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You wanted a sensorless brushless flight ESC with BIG features and a low price... Now you can have it! The GENESIS SERIES incorporates high power Gen X-FET technology, a lightweight heatsink which provides excellent, effective cooling and a host of other high spec features to make the GENESIS SERIES a true first! The GENESIS SERIES is the result of an extensive development program which initially ran for over 2 years. Every aspect of the design has been considered and each individual ESC is carefully assembled and tested using state of the art equipment in the UK.

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GENESIS SERIES features:

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- ✓ 3 Internal Schottky diodes
- ✓ Auto cut-off computer

WATTAGE LITHIUM BATTERIES
High Discharge: 15-20C
WARNING: use only chargers made for LiPo batteries, No.130116 is highly recommended.

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MEMBERSHIP APPLICATION 2005

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 (Without Name Tag)--(17 years and older) = \$20.00**
- 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**
- Optional or Extra HSS Name tag----- = \$5.00**
- I hereby give 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). Note that newsletter is published on club web site.**
- I request E-mail delivery of the monthly 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 (Name tag extra). 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 2005

| | | | |
|---------------------|-----------------|----------------|--|
| President | Karl Hawley | (949) 574-9379 | www.1hss.org |
| Vice President | Jim Parsons | (714) 636-9867 | jpspectra@sbcglobal.net |
| Treasurer | Jim Hanson | (949) 646-3603 | tog4rc@pacbell.net |
| Secretary | Fred Hesse | (714) 963-5838 | fhesse@socal.rr.com |
| Contest Coordinator | Tom Copp | (949) 645-7032 | tom@f3x.com |
| Assist. C/C | Jim Hanson | (949) 646-3603 | tog4rc@pacbell.net |
| Editor | Fred Hesse | (714) 963-5838 | fhesse@socal.rr.com |
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| Winch Engineer | Karl Hawley | (949) 574-9379 | www.1hss.org |
| Webmaster | Steve Hendry | (714) 996-6183 | 4hendry@adelphia.net |
| Assist. Webmaster | Tuan Le | (630) 886-2845 | fnnwizard@earthlink.net |
| General Director | Bill Eckles | (949) 725-0050 | tunabiker@cox.net |
| Field Marshal | George Azvedo | (714) 832-7819 | No E-mail address |
| Safety Officer | Mike Geers | | |

See our NEW web site at www.HarborSoaringSociety.org for a bright new club image. Our other web site can still be viewed at www.1hss.org . Both will feature the latest news, the color issue of Plane Rap, activities, pictures, and more.

MEETING AT IRVINE WATER DISTRICT, TUESDAY, 1 FEBRUARY, 2005.

DON'T FORGET TO RENEW YOUR MEMBERSHIP. APPLICATION ON PAGE 11.