



HSS is the oldest AMA chartered R/C Soaring Club
in the USA. Founded 1964
Silver Leader Club since 2009
Gold Leader Club since 2012

May 2012

Volume 49

THIS MONTH'S HEADLINES

HSS AND SCALE SQUADRON WILL SHARE STAFFING THE BOOTH AT THE ORANGE COUNTY FAIR ON JULY 20 – 22. MEMBERS ARE NEEDED FOR THE 4 HOUR SHIFTS. SIGN UP WITH HENRY SMITH III. DETAILS ON PAGE 6.

Plane Rap Index

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Coming Events and Soaring Competitions April - July 2012

- Sat-Sun Apr 28-29. Bent Wing soaring competition. CVRC, Visalia. See www.cvrcoaring.com for details.
- Sat-Sun Apr 28-29. RC Expo at Long Beach Convention Center. See www.rcx.com for details.
- Tuesday May 1. HSS monthly meeting, Round Table Pizza, 11095 Warner Ave. General meeting at 7 PM. Exec meeting at 6:15. See details and map on P.7.
- Sat May 12. HSS Fun Fly and Swap Meet. Fairview Park. See Page 10 of this issue.
- Sun May 20. Fourth SC-2 soaring competition. Hosted by HSS at SWSA, West Covina. Details on web site: www.1hss.org . See P.9.
- Sat-Sun June 2-3. Lyons Fish Fry at Fairview Park. Carnival attractions. Details on P. 5.
- Fri-Sun July 20-22. Orange County Fair. HSS booth. Staffers needed. See information on P. 6.



General Meeting Minutes for April 3, 2012

I. Business Session: Meeting was held at Round Table Pizza in Fountain Valley, and was called to order at 6:50 p.m. by president Walt Cloer. Officers in attendance were Vice President Erv Szego, Newsletter Editor Fred Hesse, Safety Officer Karl V. Hawley, Web Site Administrator "Fox" Anderson, and Secretary Ted Broberg. Guest Speaker LUCIEN MILLER of **Innov8tive Designs** was our featured speaker. Ted relayed a topic that John Anderson and Ralph Ranalli are interested in: John has a contact in Crystal Cove who is interested in having some aerial photos taken of the region, and perhaps opening some areas for flying. John called Ralph from the hospital after he had a procedure done on his heart. No more information at this time. We wish you well, John!

II. General Session: Called to order at 7:05 p.m. In attendance were Jim Sonnenmeier, Jim Jones, James Jones, Kioshi Tetsuka, David Whittington, John Rittenhouse, Taz and Linda Ellyson, Fox Anderson, Ross Thomas, Don Knight, Bob Voss, Jeff Green, Chris Hill, Steven Ray, Joe Bushor, Jerry Hunter, Alex Beller, J. Osborne, Art Tinsley, William Vincent II, Irvin Powalka, John Rittenhouse, Jeff Greene, Mike Fox, and new members, Sven Backland, Jesse Calleros and Ken Downs,

A. Walt asked the new people to introduce themselves: Jesse Calleros spoke up.

B. New Business: Jim Hanson: May 12 Fun Fly, and a glider event in June. Details to be announced. See PLANE RAP for details. **WORKERS WILL BE NEEDED FOR BOTH.** Contact Jim Hanson. Karl says there will be no charge for the events or swap meet, per the city permit.

C. Ross mentioned that the recent SWSA soaring event was cancelled -- due to SNOW.

D. Taz mentioned that Quartzite AZ has a good flying field; Very good! Electric, fuel, everything.

E. Walt introduced LUCIEN MILLER, who talked about power systems. He's president of Innov8tive Designs, who handle Scorpion and Cobra power products, and NEXT LEVEL multi-rotors. He gave a Power Point presentation comparing and contrasting Glow/ Gas, and Electric power systems, and showed how the parts of an electric plane interact, and how to choose the battery, ESC, motor, and prop for best durability and performance. He distributed a paper with the information, attached in this issue. He has a weekly radio program, "All Things That Fly," also. See his website at **inno8tivedesigns.com**

-- Most important information, he says is THE 80% RULE: STAY BELOW 80% OF RATED POWER, BATTERY RATING, ESC, ALL COMPONENTS. You'll get better life out of them all.

The most ESSENTIAL TOOLS are: Watt meter, Volt meter, GOOD 40 Watt or so soldering iron with heat regulator, and a pulse meter. Proper soldering is the most important skill for you to have! One bad solder joint can destroy a motor or ESC. Don't trust the pre-tinned ends of wires: they're likely done with ROHS (Removal of Harmful Substances) solder, which is No Lead, contains mostly tin, copper, and a bit of silver. They melt at a hotter temp than Lead/Tin solder, and when you solder the wire to the connector, you're not melting the wire's tinning, so you get a "cold joint." No good. Re-tin them with 60-40 or 63-37 Lead/Tin solder, with flux core. This will dilute the ROHS solder, and give a better bond. DO NOT USE ACID FLUX. It'll corrode the copper in the wires.

-- Prop charts help you choose the right propeller for your motor/ESC/airplane. Electric motors are meant to run at constant speed, so a bigger/steeper prop will turn the same speed, but give more thrust. Use a Watt meter to make sure you don't over-Amp the ESC.

III. Raffle: Yellow Messerschmitt model was won by Jeff Greene; The MAKO sailplane wings from Norm Kutch were chosen by John Rittenhouse;

Alex Beller chose the sailplane fuselage, and the GWS 72 mHz transmitter equipment donated by Brian Scoenley was taken by Chris Hill. Mike Fox donated a Guillow JAVELIN kit, which was won by Ken Downs. Thanks to our contributors!

-- Meeting adjourned at 8:45 p.m. Respectfully submitted, Ted Broberg, Secretary



Steering Committee Meeting Minutes for April 17th, 2012

Meeting was called to order at 3:40 p.m. IN ATTENDANCE were Henry Smith III, General Director, who presided; Fred Hesse, Dennis Anderson, John Rittenhouse, John Anderson, Karl Hawley, Ross Thomas, and Ted Broberg.

1. Mowing and spraying the field. Henry III has the phone number of the person Jim Ward used to spray the field, and will call him. Karl said the mower runs, but should have a new battery. Karl will contact the spray service. We should check with Robert Staples. Karl asked if we should get a heavy-duty weed-trimmer to taper the heavy brush. TABLED TIL NEXT GENERAL MEETING. Karl also mentioned working on the charging station. He'll start getting prices on pieces, and the city permit. He'll draw up something, and present his plan to the general membership. 110 and 12 volt outlets would be included. Henry 3 said we can get more tables from Robert Staples if needed, so room for individual chargers would not need to be in the "box."

2. Contests May 12 and June Bent Wing glider competition, the Saturday before Father's Day. Ross will run it. Date to be announced (June 16)

A. May Fun Fly: Henry will provide the barbecue; We have the other properties. Chris Hill and his crew will put on their show. Henry 3, Henry 4, Karl, Ted, Fred offered to help.

B. May 20: HSS SC 2 soaring competition at SWSA: Who's doing it? Perhaps ERV and JIM SONNENMEIER could run this. Fred will contact them.

3. OC Fair - we need to start looking for volunteers and models to display. Erv Szego, Henry III, and Ted Broberg offered to work it. Henry asked Fred to put a banner headline in the next PLANE RAP issue asking for volunteers.

4. Strategy for renewal for the HSS use permit in Fairview Park. We need to get this extended to 5 years. Henry III: To get our renewal for the next period, we should be better organized than last time. He suggests that we contact the homeowners, and ask them to help us when we next see the City. He suggests we tell them we are abandoning the field expansion, and just want to maintain the present form of the field. John Anderson suggests that we put in greater effort at connecting with the public. The environmentalists need to be cultivated, too. Karl said we are missing out on several other opportunities, like helping with Concerts in the Park, and perhaps making a short announcements from the bandstand about our flying. John R. noted that the homeowners who were opposed to the field expansion at the Park Commission meeting felt mostly that we were being "greedy." It was not clearly stated that we would let the present area return to its natural form, and not doubling the landing strip area. John A. suggested that we form a sub-committee to contact Robert Staples to find what steps would be need to be taken. John A, John R., and Karl will keep in contact with the locals to move toward a longer Use Permit.

5. Long range ideas for permission to fly indoors in Tustin Hangar after the county takes it over. John A. gave Henry a copy of some documents: "ORANGE COUNTY PARKS COMMISSION STAFF REPORT: Subject: Concept Plan -- Regional Park at Former MCAS Tustin," and "O C PARKS PROJECT REPORT December 2011 report." John A., John R., and Henry III will look into this.

6. June 2-3: Fairview Fish Fry; Karl suggests we get a table to show some planes and the club banner. Henry III will contact Robert Staples about it. Fred wants a copy of any information sent to him for the Newsletter, as soon as possible.

7. John Anderson: He is in contact with the Park Superintendent at Crystal Cove, where he has flown sailplanes for 35 years. He suggested to the gentleman that we have fliers who could take aerial photos and videos of that area, as well as many other park and recreation areas. If we could offer this service to Orange County officials of such parks, this would be "a feather in our cap" with the county officials. Henry III warns that any such fliers must obey all FAA rules (e.g. not exceeding the 400 foot AGL limit within five miles of any airport, and not flying out of visual range of the pilot.) John A. will tell the people he contacted that "we're working on it."

-- Meeting adjourned at 4:59 p.m. Respectfully submitted, Ted Broberg, Secretary.



Guest Presentation for 3 April 2012 General Meeting

HSS was very fortunate to have Lucien Miller, president of Innov8tive Designs, give an excellent presentation on electric power systems for model aircraft. Lucien's company is located in Vista California, and has an extensive product line of Scorpion motors, Cobra ESC's, batteries, propellers, and NEXT LEVEL multi-rotor helicopters. He is developing one multi-rotor craft expected to lift 45 pounds! View his web site at www.innov8tivedesigns.com. The following are two papers that he presented at the meeting.

Electric Power System Presentation

Key Points and Rules of Thumb

1. A power system consists of a Battery, Speed Controller, Motor and Propeller.
2. Each component should be matched together for a good power system.
3. Li-Po Batteries have 3 ratings: Voltage (Cell count), Capacity and C-rating.
4. Li-Po Batteries are 4.2 volts per cell fully charged, 3.7 volts under load, and discharged at 3.0 volts per cell.
5. Li-Po batteries should be stored long-term at 3.7 to 3.8 volts per cell.
6. Battery capacity is measured in mah or milli-amp-hours. 1000mah = 1 AH (Amp-Hour).
7. Battery capacity is similar to fuels tank size in glow engines.
8. Discharge rate = current /battery capacity. A 1C discharge will last for 1 Hour.
9. To calculate flight time use 60 minutes /Discharge rate.
10. Speed Controllers convert DC energy into 3-phase AC to power brushless motors.
11. Speed Controllers have 2 ratings: Voltage (Cell count) and Maximum Current.
12. BEC's come in Linear and Switching type. Switching is most efficient.
13. You cannot harm a motor by using a larger speed controller.
14. Brushless Motors are 3-phase and bearings are the only wear item.
15. Brushless motors have 3 ratings: Size, Power Rating (or Current Rating) and Kv.
16. Different manufacturers use different numbering schemes for their motors.
17. Electric Motors are basically the exact opposite of Glow Engines.
18. Electric Motors are constant RPM machines, Glow Engines are constant power machines.
19. Glow engines can be damaged by using too small a prop.
20. Electric motors can be damaged by using too large a prop.
21. Glow engines push power into the prop while the prop pulls power out of an electric motor.
22. Prop selection is critical for good performance in electric motors.
23. The power that an electric motor puts out is determined by the prop used.
24. When selecting batteries, try to keep the Current to voltage ratio between 2 and 5
25. Always use the 80% rule when calculating power systems.
26. Get the proper tools for Electrics, it will save you time and money in the long run.
27. Learn how to solder! It is the most important skill needed for electric power flying.
28. Never trust factory Pre-tinned leads, always re-tin them yourself prior to soldering.
29. Only use rosin core solder! Never use acid core solder.

1 cubic inch of 2-stroke Glow Engine is equal to 2000 watts of electrical power.

Example: A .60 Glow engine = 1200 watts and a .40 glow engine = 800 watts.

1 cubic inch of 4-stroke Glow Engine is equal to 1500 watts of electrical power. Ex. A

.40 glow 4-stroke = 600 watts and a .90 glow 4-stroke = 1350 watts.

Power requirements for Electric: Power Gliders need 50 watts per pound, trainers need 75 watts. per pound, sport models need 100 watts per pound, pattern planes and warbirds need 150 watts per pound and 3D and competition Fun-Fly planes can use 200+ watts per pound.

Printed with permission. Lucien Miller, www.innov8tivedesigns.com 21Apr 2012.



Guest Presentation for 3 April 2012 General Meeting (continued)**Selecting a Power System for a Model****A Simple 5-step Process**

1. Calculate the required Watts of power needed based on the weight and type of aircraft.
2. Select an appropriately sized battery to provide the desired flight time.
3. Choose the correct Motor based on the number of cells you are using and prop size.
4. Select a Speed Controller to match the Motor being used.
5. Select the right prop to get the desired performance of the model.

Step by Step example from the presentation, a 6 pound, .45 size Ugly Stick power system.

Determining Power Required: A .45 glow engine = 900 watts (2000 x 0.45), alternately a 6- pound model with pattern performance needs 150 watts per pound x 6 pounds or 900 watts.

Selecting the proper size battery: From the chart below, 900 watts can be done with a 4 or 5-cell Li-Po battery. Higher voltage equals higher efficiency so we will use a 5-cell pack (18.5 volts under load). To get 900 watts from 18.5 volts requires $900/18.5$ or 48.6 amps. Since 2/3 throttle is typically 1/2 max current, we will use 24 amps for calculating battery size. Battery capacity is determined by flight time at power load. For 10 minutes we need a 6C discharge rate. 24 amps at 6C is a 4000mah battery pack. For 80% rule we increase battery size to 5000mah.

2-cell Battery - 100 to 300 Watts

3-cell Battery - 250 to 600 Watts

4-cell Battery - 450 to 1,100 Watts

5-cell Battery - 700 to 1,700 Watts

6-cell Battery - 1,000 to 2,500 Watts

8-cell Battery - 1,800 to 4,000 Watts

10-cell Battery - 2,800 to 6,500 Watts

12-cell Battery - 4,000 to 10,000 Watts

Selecting the proper Motor: Find a motor that will deliver 900 watts on a 5-cell pack at 48 amps. Remember the 80% rule and get a motor rated for 1125 watts if you need 900 watts. Do not forget to take prop size into consideration. Prop charts make this easy if they are available.

Select a matching Speed Controller: The speed controller should handle the full rated current of the motor, even if you are not pulling that much current. When in doubt, always go up one size larger.

Selecting the correct prop: In many cases several props will pull similar current, but give different results. For example, a 10x10, 11x8 and 12x6 prop will all pull about the same current, but give dramatically different results. The 10x10 prop will give the highest speed, but the least thrust and would be suitable for a pylon racer type plane. The 12x6 prop will give a lot of thrust but greatly reduced top speed. This prop would be good for a slow plane like a Piper Cub. The

11x8 prop would provide a good compromise between speed and thrust, and would work best on a sport model such as an Ugly Stick.

Presented by: Innov8tive Designs, 1495 Poinsettia Avenue, Suite 144, Vista, CA 92081

Phone: 760-468-8838, Email: Sales@Innov8tiveDesigns.com, Web: www.Innov8tiveDesigns.com

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Costa Mesa/Lyons Fish Fry

Several years ago HSS used to participate in the Lions Club Fish Fry held at Lions Park in Costa Mesa. This year the 65th annual Fish Fry will be held at Fairview Park Saturday and Sunday June 2 – 3, 2012. This is a large event with carnival rides, and booths for local organizations and businesses. HSS will have the opportunity to participate as before by manning a booth. However, we may have the chance to do much more. Since we are at our home field, we may be able to do helicopter and aircraft demonstrations and offer student flying experiences. This event is only 8 weeks away, and we need to start planning by signing up for a booth, then establish whether we may fly demonstrations and lessons.



General Director's Message

Lots going on in the club this summer. The steering committee is working on plans for the next extension of our use permit. We hope to be much better prepared this fall.

In July we need as many volunteers as possible to help man the display booth at the Orange County Fair. Our days at the fair are Friday, Saturday and Sunday, July 20, 21 & 22. When the sign up sheet comes around please add your name. You will get free entrance to the fair one day and free parking. All for a few hours of your time explaining to the public all the fun they could have flying model airplanes & helicopters.

On Saturday May 12, HSS will have our annual Fun Fly and Swap Meet. Come on out, have fun flying, buy or sell something and enjoy Karl's famous hot dogs.

Henry Smith, 3 - General Director

2012 HSS Membership

Our 2012 HSS membership enrollment season is in full swing. A membership application and optional member survey is included in the last pages of this newsletter. These can be mailed in to our post office box shown on the last page, or given to a club officer. Alternately, HSS and AMA membership applications can be obtained from any club officer, or available on our club web site at www.1hss.org. Here is an interesting quote from the HSS Bylaws: ***"Members whose dues have not been received by the March meeting shall be dropped from the rolls."*** SO, HURRY! Applicants must be members of the AMA prior to joining HSS.

AMA and HSS applications received during October – December 2011 are good for all of 2012 as well. AMA Membership applications can also be obtained at the AMA web site www.modelaircraft.org, download document No. 902 from the publications page. Or you can apply on line. If you renew your AMA membership online, be sure to print the receipt that they provide as proof that you paid. And, don't forget your City of Costa Mesa Flying Permit. Details are shown on pages 8 of this newsletter.

AMA District X Website

The following is taken from the July 2011 edition of "AMA Today", the electronic membership newsletter.

AMA District X Vice President Lawrence Tougas wants to invite AMA members from all districts to enjoy District X's new website. "We have a lot of great articles in our blog, plenty of pictures in our photo albums, and a spot where you can learn more about our associate vice presidents and myself," says Lawrence, District VP. All of the information is at www.ama10.org. Why not consider helping your district with its website?

RC EXPO – April 28-29

The RC Exposition show will be held at Long Beach Convention Center, April 28-29, 2012. See their website, www.rcx.com. Scale Squadron has a big part in it. There'll be a static display contest, with cash prizes in the following categories: best military, best civilian, best detailed ARF, best park flyer, and peoples choice. See www.scalesquadron.com, or call Joni Whatsitt at 714-396-2523 to participate. The show will be focused more on airplanes than it's been in the past. Entrance is supposed to be free for AMA members.

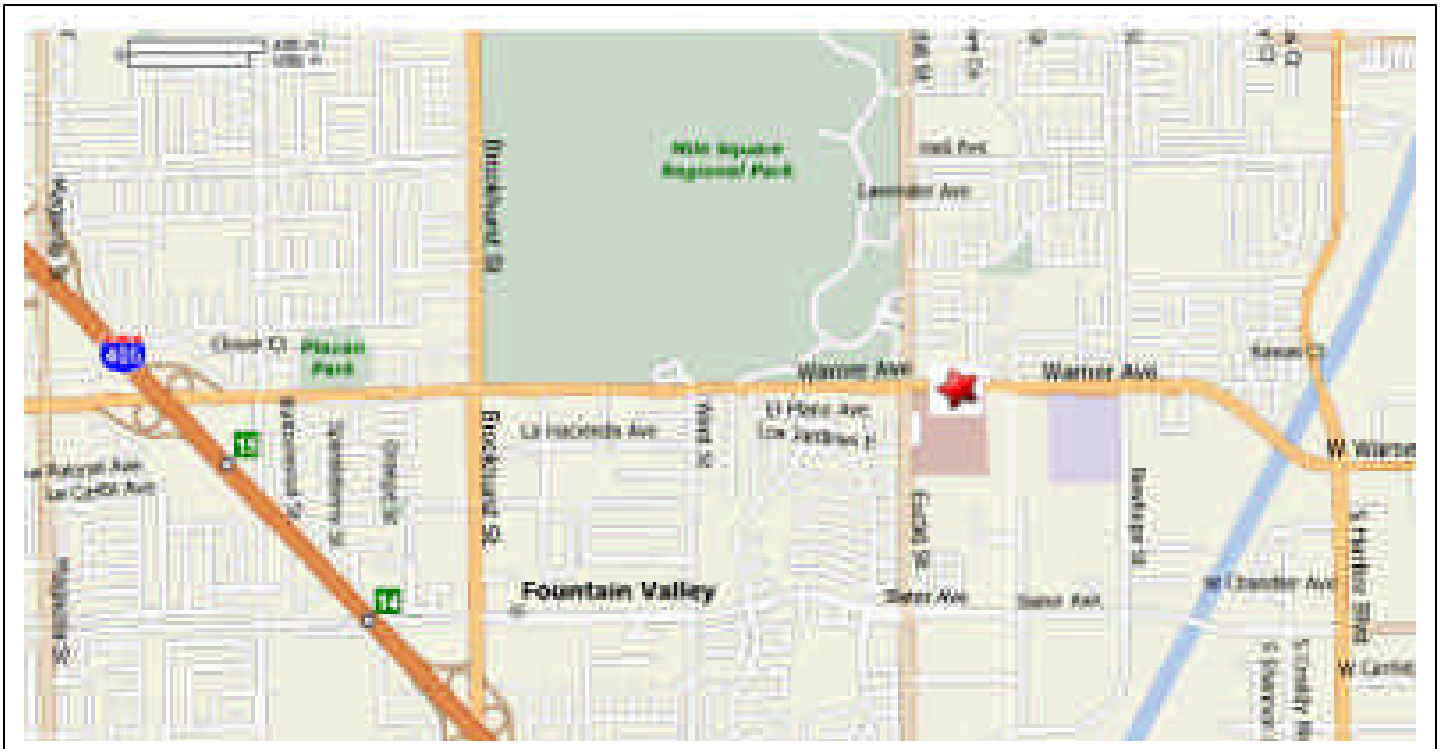
Orange County Fair – HSS Participation July 20 - 22

Joni Whatsitt just got the latest info on the OC Fair. She says: Both clubs, Scale Squadron and Harbor Soaring will man the booth for 3 days on Friday, July 20, Saturday, July 21st and Sunday, July 22nd. It takes about 3 to 4 people for every 4 hours during the Fair opening time table. Yes, there are free tickets to enter the Fair and free parking tickets at designated parking areas. You park in a designated parking area and ride the bus to the rear gate entrance just like last year. Because space is such an issue and all vendors pay for that space we cannot do any demonstrations such as flying at the Fair. Since the Scale Squadron is a non-profit corporation they allow us in free and we are an established group they like because we draw the crowds. Volunteer your help to staff the booth. Contact Henry Smith III.



General Meeting Announcement For May 1st, 2012

The next club meeting is Tuesday May 1st, 2012, at ROUND TABLE PIZZA, 11095 Warner Ave. & Euclid (North-east corner) in Fountain Valley. Phone number is (714) 839-0276. The Family Night rate is all-you can-eat pizza, plus one salad bar, for \$6.99. Fountain drinks are an additional \$1.99, self-service, or \$2.99 per liter. Beer and wine are available. Bring your wife, family, friends, etc. Bring your favorite plane for show-and-tell. The meeting will be concluded with a raffle for the planes and radio shown on the bottom of this page. The location is shown in the map below. The executive/steering committee meeting begins at 6:15 PM.

**Next Meeting Raffle Prizes**

The raffle prizes for our May 1st meeting are shown below. Ted Broberg says a HiTek transmitter and receiver will be included. Left is a 36" FORMOSA sport foamie; motor and servos included, provided by Ross Thomas. At right is an Extra 260 with 43" wing span. The servos are included, but, there's no motor or cowl.

Ted Broberg has provided the photos. Thanks, Ted. - Ed.



Some of This Year's Soaring Events

The following is a preliminary alert to coming soaring competitions. Further details will be posted as soon as possible. Be sure to note the Visalia Bent Wing event put on by CVRC on April 28-29.

- Fresno Classic March 31- April 1
- Visalia Bent Wing April 28 & 29
- Sacramento SVSS June 23 & 24
- ISS "Gene Hayes RES". See www.glideiss.us
- Nats Muncie Indiana July 28- Aug 7
- Wilson Cup CVRC Sept 9
- Soaring Masters Sept 21-23
- Visalia Fall Fest Oct 6 & 7

SC2 Competition Schedule for 2012

Here is the schedule for your Southern California Soaring Clubs (SC2) monthly contests for 2012. Check the SC2 web site at <http://site.sc2soaring.com> for further details and competition results. Check individual club web sites for directions to their flying field.

- February 26, 2012 hosted by SWSA
- March 18, 2012 Hosted by VVRC (Cancelled)
- April 22, 2012 Hosted by SWSA
- May 20, 2012 Hosted by HSS AT SWSA
- June 17, 2012 Hosted by SULA
- July 15, 2012 Hosted by DSH AT ISS
- August 19, 2012 Hosted by ISS
- September 23, 2012 Hosted by TPG
- October 21, 2012 Hosted by TOSS
- November 18, 2012 (Rain Day) Hosted by VVRC?
- December 2, 9, 16, 2012 (No points)
Hosted by SULA & DSH AT SULA

SWSA - Silent Wings Soaring Association - West Covina – www.silent-wings.org

VVRC – Victor Valley RC Flyers – Victorville – <http://www.vvrcf.org>

ISS - Inland Soaring Society - Riverside – www.glideiss.us

TPG - Torrey Pines Gulls - Torrey Pines, San Diego – www.torreypinesgulls.org

TOSS - Thousand Oaks Soaring Society - Thousand Oaks – www.toss.freesevers.com

SULA - Soaring Union of Los Angeles - San Pedro – www.sulaclub.org

HSS – Harbor Soaring Society – Costa Mesa – www.1hss.org

DSH – Downey Soar Heads – Downey

The year end final results for 2011 are available at web sites: <http://sc2soaring.com> and www.1hss.org.

The flyer for the May 20 event hosted by HSS at SWSA is shown on the next page.

2012 Park Permits Available Now

Robert Staples has sent us the announcement (below) stating that City Flying Permits for 2012 are available now for \$20 per year. Remember to bring your new AMA license. Note that renewal by mail is now allowed. Submit application (available on line), copy of AMA license, and payment.

RENEWAL NOTICE:

The City of Costa Mesa will be accepting renewals for the 2012 Flying Permits beginning Monday, October 24, 2011, at the following locations:

Costa Mesa City Hall (77 Fair Drive, Costa Mesa 92626) – 3rd floor Recreation Counter, during regular business hours from 8:00am – 4:30pm (excluding City observed holidays). Call 714-754-5300 for details.

Temporary permits are issued at the Downtown Recreation Center (1869 Anaheim Avenue, Costa Mesa 92627) between the hours of 10:00am – 1:00pm on Saturdays. For information, call 714-327-7560.

Joyce M. Santos Administrative Secretary - City of Costa Mesa - Recreation Division
77 Fair Drive, Costa Mesa 92626 Phone: 714-754-5009 Fax: 714-754-5166

Note that to fly at Fairview Park you need the above permit, liability insurance (preferably AMA), and you need to follow City of Costa Mesa Ordinance No. 07-01, City Regulations for Issuance, Suspension and Revocation of Permits to Fly at Fairview Park, Academy of Model Aeronautics Safety Code, and the Fairview Park Flying Field Rules which are all posted at Fairview Park and on our web site at www.1hss.org. You do not need to be a Harbor Soaring Society member (but it is good to have you join us).



SC2 Competition Hosted by HSS 20 May 2010

Members are invited to participate and to assist in running the event. Contact Jim Hanson or Ross Thomas if you would like to help.

H.S.S. / SC2 Thermal duration Contest.



**Sunday May 20th, 2012 8:30 am till
At SWSA Flying Field**

EVENTS

Open Class, RES, RES Woody, and 2 meter

Entry \$10.00 per event Junior and Novice Pilots are free. We will run three rounds 6, 10, & 8 minutes. Any Question contact Jim Hanson e mail tog4rc@pacbell.net or call 949 294-8365.3870. Contest will be at SWSA Flying field 3870 Fish Canyon Rd, Azusa, California 91010



Coming Event

Activity: Fun Fly and Swap Meet.

Date: Saturday, May 12, 2012.

Schedule: Sun-up to 9:30: Scale & War Birds

9:30-10:30: Open

10:30 DEMO: Helicopters

11:00 Fun Fly events: LIMBO, PYLON, SPOT LANDING, Etc.

Special Feature: Karl's Barbecued Super Dogs!

AMA Membership required.

HSS members are invited to assist in conducting the event, whether participating or not. Thanks.

H.S.S. ELECTRIC FUN FLY & Swap Meet



**SATURDAY May 12th, 2012 6:00am till
3:00pm**

HSS Flying Field at Fairview Park Costa Mesa, CA

EVENTS

Scale / War Birds, Helicopter demo flying!! Plus
Limbo, Runway Landing, and Park Zone T28 / F4U
pylon races.

Must show proof of AMA membership.
Karl Hawley will serve gourmet **Super
Dogs**. For more information or if you
have any questions contact Karl Hawley
at (949) 232-4590. Check our website
1hss.org,

Events

6:00am - 9:00am; Scale flying no foamies

9:00am - 10:30am; Open Flying

10:30am - 11:00am; Helicopter Demo

11:00am - 3:00pm; Fun fly Events



AMA Today Headlines

AMA Today is a regular E-mail publication sent to all members. Several significant headlines include:

FAA Moves NPRM Release to July

The Federal Aviation Administration's pending notice of proposed rulemaking (NPRM) on unmanned aviation has been postponed yet again, this time to July, according to federal sources. AMA will in all likelihood oppose any federal regulations on aeromodeling, even if outside of AMA, a "community-based organization" that Congress has protected from such restrictions in the February FAA Reauthorization bill. Keep up to speed on this critical and complex subject by following Rich Hanson's government relations blog.

AMA youth membership swells to 20,000, e-newsletter for youth debuts

With recent youth membership partnerships with Civil Air Patrol, Commemorative Air Force, Youth Aviation Adventure and EAA, the Academy now has its largest youth membership ever - and a new electronic, monthly newsletter just for kids. Check out last month's first edition and share with all of your young family members and their peers.

September Fun Fly at Victor Valley RC Flyers

VVRCF is planning to host a fun fly in September covering the 14th, 15th and 16th. Here are their details.

This would coincide with "Hesperia Days" which is a celebration the town holds every year on the 15th with fireworks at Hesperia Lakes and a parade down through the middle of town. Because of our flying field location we can really enjoy the fireworks from our field.

This fun fly will include full access to our facilities including the Soaring area, a 550 foot paved RC runway and helicopter area. We encourage all types of aircraft except rockets and fuel burning jets (turbines). Ducted fans are OK. Detail on the facilities can be found at the Websites; vrcf.org and nomotorflyer.com

Ronnie Espolt and myself will be staying at the field Friday and Saturday nights and we plan to have a barbeque available if people wish to bring things too cook. We have room for all sorts of self contained RV's and Andy-Gump's are on site. No potable water is available however.

We can make the Soaring facilities open to any level of operation we wish to pursue.

Rick Pearson, AMA# 9369, phone: 951-240-9704

Complementary Message from HSS Guest

Here is nice thank you note from Don Meyer, who visited Fairview Park on the last two days of March. He may be contacted by Email: donald6931@att.net or Phone: 630-725-1969.

To: The Harbor Soaring Society Tuesday April 3, 2012 C/O Ted Broberg, Secretary. Greetings from Downers Grove, Illinois! I wanted to send your club a thank you note for the warm welcome I received from your members during my visit to your flying site on March 30, 31. I enjoy flying RC electric gliders, so finding your site was a nice discovery. After I parked on Friday, I met Dick Odle while he was walking to the field with his electric glider. I introduced myself as a visitor, and he then introduced me to Ross Thomas and the other members that were flying that morning. It was a treat to see so many good pilots, sophisticated gliders, and the winch launches. Everyone was very patient to answer my questions. My RC club has very few glider pilots, so this was an opportunity to talk to some experts in this part of the hobby. Dick Odle was very kind to offer me a few minutes flying his electric glider, while I was there. This was an unexpected, and very gracious, gift from a fellow pilot. (Dick said I was "not too bad" - a compliment from any good pilot!). I also enjoyed having lunch with Ross Thomas. He told me about the history of your club and shared his experience in the RC hobby. Please announce my warm regards, and "Thank You", to your members at your next club meeting. My visit with you was a wonderful memory of our trip to California. I wish I lived closer.

Sincerely yours, Don Meyer (AMA #837131) Woodland Aero Modelers (www.wam-rc.com) AMA District VI Downers Grove, IL



Model of the Month

Our featured plane is a Gee Bee model "E" built by Kenny Blasius. Sorry, we don't have any data on this beautiful model.

Photos by Rob Askegaard.



Another Model of the Month

Our “nuther” model for this month is Don Hofeldt’s Super Cub ARF made by E-flite. It has a 68" span, and a 25-32 size motor. Thanks to Rob Askegaard for photos, fantastic quality. –Ed.



The Last Model of the Month

This is "Blue Max" by Jim Hill. An ARF with a 62" span and a Turnigy C4260-500 motor.

Rob Askegaard provided the photos. Thanks, Rob. – Ed.
Once again, all modelers have a grand opportunity to get copies of Rob's photos. They are very high resolution and imaginatively photographed. Rob's contact info is on the last page of this newsletter.



Seen Around The Field



Sven Backlund and his Playboy?



Ken Downs and Paulo Fundament with their E-Flite Alpha Sports.



Ted Broberg and his Seniorita.



Dick Odle and his motor glider.



Erv Szego and his beautiful Shadow.



Jim Sonnenmeier's Electric Playboy Senior.



Plane Rap Classified Ads and Services - For Sale

This area of the newsletter is free to club members to sell planes, related equipment, and services. Contact

Fred Hesse at fhesse@socal.rr.com with any material that you wish to insert here.

For Sale: Radio Equipment - Hitec Eclipse 7 channel FM transmitter with the following; the Eclipse manual, wall charger and 10 receivers listed below.

5 - Hitec 7 Ch.

2 - Hitec Micro Electron 5 Ch.

1 - FMA 5 Ch.

1 - RCD 535 5 Ch.

1 - GWS Naro 5 Ch.

2 - Extra crystals on Ch 39

Asking \$150.00 - will consider a trade.

Contact me at 714 604 5296 - Bob Shourt

For Sale: Sig Rascal 110 ARF



Astro 60 with super gear box
Astro 204 Speed Control (12 lipo cells max)
Prop 24x12 – 31 Amps, 1300 watts
4- HS475HB Servos
Spectrum AR6200 receiver

\$400 with receiver, \$300 without receiver



Uses 2- 6 cell lipo motor batteries (not included)
Wingspan 110", Area 1522 square inches
Length 75.75"
Weight (including motor batteries) 15.43 lb
1100 mah receiver battery

Dennis B. Anderson (714) 531-1320

Free Website For Model Classified Ads

Hi I'm Tyler with TheRCSwap.com, and was wondering if anyone in your club owns a small RC business or just has some RC stuff to sell?

TheRCSwap.com is a new free, RC only classifieds site that was made by RC'ers for RC'ers just to help people buy and sell their RC stuff, and help small RC businesses advertise their products/business for free to help drive traffic/sales to their stores.

You can post any amount of ads for free or upgrade your ads to be seen more easily.

If you own a website, or a store you can link from our site to yours for free.

Clubs can advertise their Clubs or Events for free as well, just another way to get the word out about your club! If you'd like to know more, just come check us out! Thanks.



Plane Rap Classified Ads and Services - For Sale (continued)

Custom laser cutting services are now provided by GDH Planes, in addition to manufacturing kits. With the currently weak Canadian dollar (we are a Canadian company), it is a great time to use our services and take advantage of the exchange rates, adding to our already reasonable rates (US\$1 is currently equal to about \$1.157 Canadian). Should any of your members require this service, please have them visit our web site at www.gdhplanes.com or email us at LaserCutting@gdhconsulting.ca.

Regards, Glen Harbottle President GDH Consulting Corp. Tel: 905-668-2326 glenh@gdhconsulting.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.

ROB'S R/C HOBBIES

Sales / Parts / Repair

**Radio Control Airplanes, Helicopters, and Cars.
15071 Goldenwest St. Huntington Beach
S.W. Corner of Goldenwest & Bolsa Ave
(714) 372-3777**

All HSS Club members with proof of club membership, will get a 7&3/4% discount on most parts and accessories. Discount does not apply to plane kits, helicopter kits, radios, and other already marked down products. Please ask staff if you have any further questions.

Robsrchobbies.com

robsrchobbies@earthlink.net



HSS Sponsors (continued)



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LAGUNA HILLS, CA 92653

Phone: 888-748-7697

www.gyrohobbies.com



MEMBERSHIP APPLICATION FOR 2012

Harbor Soaring Society**P.O. Box 1673****Costa Mesa, CA 92626****AMA Chartered Club # 128****AMA's Oldest Chartered Soaring Club Gold Leader Club, 2012; Silver Leader Club Since 2009**

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**
☐ **Optional or Extra HSS Name tag----- = \$15.00; including mailing**
☐ **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). Note that newsletter is published on club web site.**
☐ **I request E-mail delivery of the monthly newsletter. (Include E-mail address above.)**
☐ **I request printed copy of the monthly newsletter by U.S. Mail. Printing and mailing = \$20/year.**

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 from November 1st through the following year. A signature is required from all Harbor Soaring Society members, and applicants, agreeing to comply with the current AMA Safety Code and the current HSS General Field rules and Field Safety Rules. Note that a City of Costa Mesa permit is required to fly at Fairview Park. Obtain this from the Costa Mesa Parks and Recreation Department. Cost is \$20

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 specifications for model aviation. 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** _____

HSS MEMBERSHIP SURVEY – 2011 - 2012

Please take a few minutes to share your flying-related information with the HSS board so that we can better maintain and enhance the enjoyment of flight for you and all Fairview flyers. Thanks!

Name _____ Date _____

1. What kind of RC flying/planes do you enjoy? (1=favorite, 2=next, etc):

Glider: Winch launch___ Hi-start___ Slope___ Hand-launch___ Other _____

E-power: Powered Sailplanes___ Scale___ Sport___ Acrobatic___ 3D___ Speed___ Helicopter/autogyro ___

Other-such as _____

2. Where do you prefer to fly at Fairview? (1, 2, 3, etc) Sailplane area ___ Slope ___ Runway ___ Other ___

3. Which days do you usually fly? Weekday___ Saturday___ Sunday___

4. When is your usual time? Early AM___ Mid-late AM___ Noon___ Early PM___ Late PM___

5. How often do you usually fly? Almost Daily___ Two-three days/week ___ Every week or so___ Less___

6. At the field what do you prefer to do? Mostly fly___ Mostly socialize___ Both equally___

7. What kind of activities would you best enjoy at the field? (1=favorite, 2=next, etc):

Contests___ Which kind? _____

Fun flies___ Swap meets___ Displays___ Airshows___ Social activities___ breakfasts___ BQ lunches/dinners___

Other-such as _____

8. Do you often fly at some other site(s)?___ **9. Where?** _____

10. Do you belong to any other RC club(s)? ___ **11. Which?** _____

12. Do you read the HSS Plane Rap ___ Comments? Suggestions _____

13. Do you visit/use the HSS web site? ___ Comments? Suggestions? _____

14. Do you attend HSS meetings? Usually___ Sometimes___ Seldom___ Never___

Comments? Suggestions? Speaker/Subject Ideas? _____

15. Are you retired? ___ **16. Do you have any special skill, expertise, experience or time which you might share?**___ What? _____

17. Would you help out occasionally with small simple club projects (one-two hours)? ___

18. Would you consider donating planes, equipment, funds or other for club purposes? ___

Comments? Suggestions? _____

19. What can the club do better as to the field, membership services, etc? Comment? Suggestions? _____

20. Would you consider serving as a HSS board member? ___ **Contest Director?**___ **Trainer?**___

Committee member? ___ **Special Projects helper?**___ **Meeting speaker?** ___ **Other?** _____

Thanks for your info! Please: respond as instructed in the on-screen survey; or email via: www.1hss.org;

Or mail to: Harbor Soaring Society . P.O. Box 1673 . Costa Mesa, CA 92626



HARBOR SOARING SOCIETY OFFICERS FOR 2012

President	Walt Cloer	714-865-6411	waltcloer@gmail.com
Vice President	Erv Szego	714-235-9052	ervszego@msn.com
Treasurer	Dennis Anderson	714-531-1320	dba999@pacbell.net
Secretary	Ted Broberg	714-235-6430	tbroberg@earthlink.net
General Director	Henry Smith III	714-322-6537	henry.smith.3@earthlink.net
Contest Coordinator	Jim Hanson	949-294-8365	tog4rc@pacbell.net
Safety Officer	Karl Hawley	949-232-4590	kvhawley@yahoo.com
Editor	Fred Hesse	714-963-5838	fhesse@socal.rr.com
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Club Photographer	Rob Askegaard	714-968-1973	askegaar@gmail.com
Web Site Administrator	Don Knight	714-362-5913	knightdg@ocvhost.com
Flight Instructor	Ted Broberg	714-235-6430	tbroberg@earthlink.net

See our web site at www.1hss.org, our photo site at <http://picasaweb.google.com/rc.goat> ,
and our YouTube site at <http://www.youtube.com/user/hssletsfly> .

NEXT CLUB MEETING WILL BE:

**TUESDAY MAY 1st 2012, AT ROUND TABLE PIZZA, 11075 WARNER AVE.
FOUNTAIN VALLEY, 7 – 9 PM. ALL YOU CAN EAT \$6.99.**

BRING YOUR WIFE, FAMILY, AND FRIENDS FOR DINNER.

BRING YOUR LATEST PLANE FOR SHOW AND TELL.

**WE WILL ALSO HAVE A RAFFLE. SEE DETAILS AND MAP TO LOCATION ON PAGE 7.
SEE THE COLOR NEWSLETTER SENT BY E-MAIL AND AVAILABLE ON OUR WEB SITE.**

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

