



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

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



January 2012

Volume 49

THIS MONTH'S HEADLINES

**This issue begins Volume 49 of our Plane Rap newsletter.
 Soon, Harbor Soaring Society will be 50 years old!**

Plane Rap Index

Check out the following articles:

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Coming Events and Soaring Competitions

December 2011 - January 2012

The following events are of special interest.

- Thursday Dec. 29. Indoor Fun Fly at Tustin LTA hangar. Sponsored by HSS. See details on page 10 of Dec 2011 newsletter.
- Tuesday Jan 3. HSS monthly meeting, Round Table Pizza, 11095 Warner Ave. General meeting at 7 PM. Exec meeting at 6:15. Details and map on P. 6.
- Fri-Sun Jan 6-8, 2012. AMA Expo at Ontario CA Convention Center. See details on P. 7 and at www.modelaircraft.org.

Last chance to attend the Indoor Fun Fly at Tustin Dirigible hangar, on December 29. Contact Fred Hesse at fhesse@socal.rr.com for directions



HSS Christmas Party and General Meeting Minutes for December 6th, 2011

Ted Broberg was kind enough to take notes from our Christmas Party on December 6th, 2011. Other than installing our new president, Walt Cloer, and our vice President, Erv Szego, there was no actual club business conducted. Ted's comments follow.

In attendance were Richard Morley, James Jones (Two of that name), Henry Smith 4, "Taz" and Linda Ellyson, David Whittington, Karl V. Hawley, Joni Whitsitt, Randy Wilbur, Jim Sonnenmeier, Jim Hanson, George Brimmer, Ben and Jeff Zeissner, John and Sylvia Anderson, Dick Odle, John Rittenhouse, Erv Szego and Debbie, Rob Askegaard, Walt Cloer, Fox Anderson, Fred and Margie Hesse, Roger Nahas, and Ted Broberg.

While waiting for dinner to be served, outgoing president Henry Smith 4 gave a short address, urging all fliers to follow the safety rules and help others less familiar with them to join us in maintaining the good reputation our club has enjoyed. Incoming president Walt Cloer echoed this sentiment, urging us to pull together as one group of fliers. Henry then presented certificates and gifts to those who had served for the past year, and installed the returning and new officers for 2012. Ted handed out personal/business cards to next year's officers. Rob Askegaard took photos during the dinner.

After dinner, the raffle drawing was held. Winners included Henry 4, who chose a set of air retracts donated by Dennis Anderson; a new 2.4 GHz transmitter and receiver (from Don Ramsay), won by "Taz"; Richard Morley chose the Hitec radio from Erv Szego; and Jim Jones took the LI'L RASCAL that Jim Sonnenmeier contributed.

Things wound down around 9:00 p.m. Thanks to all who came and supported HSS!

Respectfully submitted, Ted Broberg, secretary.

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 (shown on next page), 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).

New Word of the Day

From Meriam-Websters latest dictionary:

Ineptocracy (in-ept-o-cra-cy) - a system of government where the least capable to lead are elected by the least capable of producing, and where the members of society least likely to sustain themselves or succeed, are rewarded with goods and services paid for by the confiscated wealth of a diminishing number of producers.



2012 Park Permit Application



Permit Application to Fly Radio-Controlled Model Aircraft at Fairview Park

Applicant Information

Date: _____
Name (Please print clearly): _____
Home Address: _____ City: _____ Zip Code: _____
Telephone: Home _____ Business: _____ Cell: _____
Fax: _____ E-mail Address: _____

Academy of Model Aeronautics

Member: Yes No
AMA Number: _____ Valid AMA Year: _____ Photo ID confirmed: Yes No
List experience flying model aircraft:

Proof of liability insurance if not an AMA member, provide a copy _____
*Proof of current AMA membership, with the City of Costa Mesa named as an additional insured on the AMA provided policy or a copy of your homeowner's insurance policy declarations page with an endorsement naming the City of Costa Mesa as an additional insured.

Learner's Permit (6-14 years old) - \$10 Fee

Must be accompanied by an adult when flying at Fairview Park.
Age _____ Emergency Contact Telephone Number: _____
Parent/Guardian
Name: _____ Signature: _____

Declaration

I declare under penalty of perjury that the information provided in this application is true and correct and that I have reviewed the City of Costa Mesa Ordinance No. 07-01 Adopting Radio Controlled Model Aircraft Flying Regulation for Fairview Park and I agree to comply with all the requirements and regulations of that Ordinance as well as the Flying Field Rules for Fairview Park. Harassment of animals and birds is not allowed in the park. Do not disturb native plants or vernal pools.

Applicant's Signature: _____ Date: _____

Submit to City of Costa Mesa, Recreation Division, 3rd Floor, 77 Fair Dr., Costa Mesa, California.

Permit Number Issued: _____

IF YOU HAVE ANY QUESTIONS, PLEASE CALL (714) 754-5300

3073-72 Rev. 6/08



Christmas Party Pictures

Rob Askegaard took a lot of photos at the Christmas Party, so here is a selection of the best.

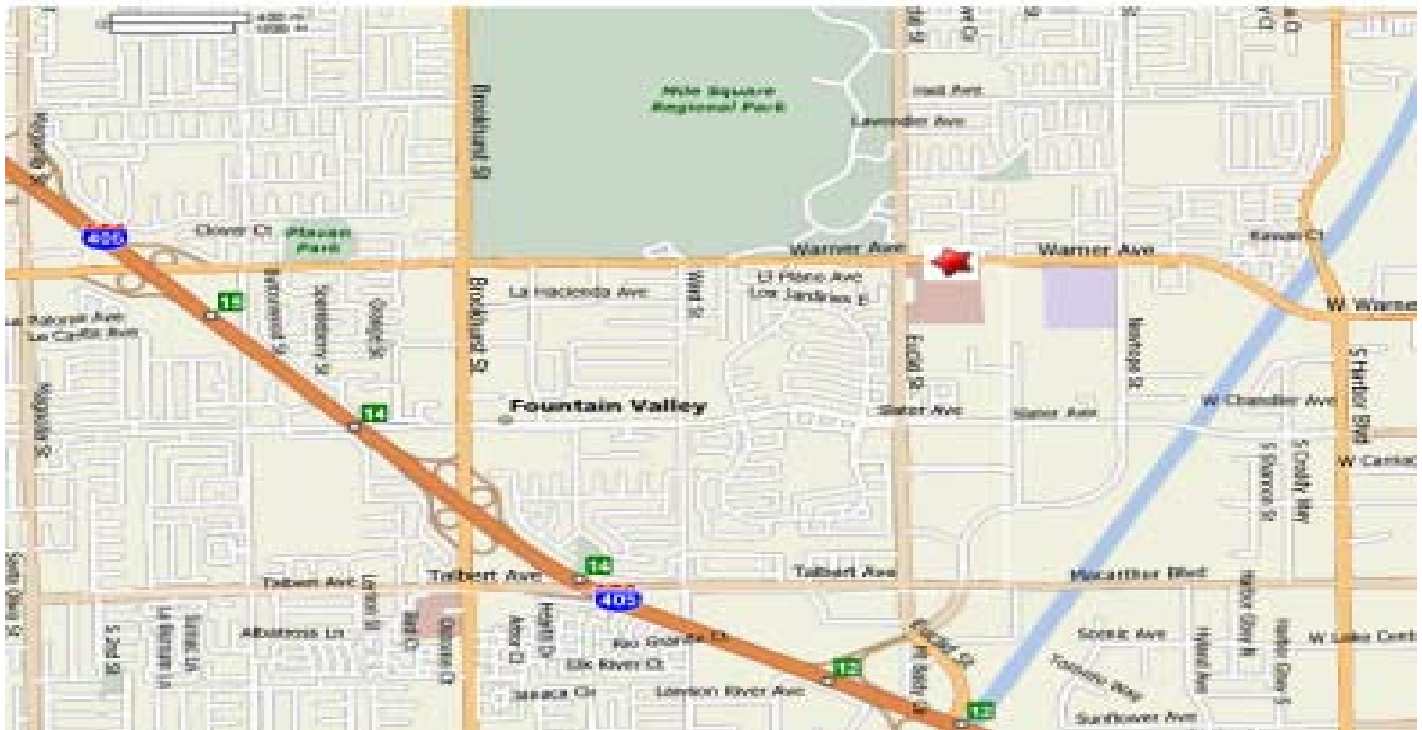


Christmas Party Pictures (continued)



General Meeting Announcement For January 3rd, 2012

The next club meeting is Tuesday January 3rd, 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 along your favorite plane for show and tell. The meeting will be concluded with a raffle for the plane shown below. The location is shown in the map below. The executive/steering committee meeting begins at 6:15 PM.



Next Meeting Raffle Prizes

The following items will be part of the raffle prizes for our next general meeting on 3 Jan 2012. We have a 32" span Sport Biplane (shown at the right), donated by Don Ramsay, a JR 72 mHz transmitter, Snapit multimeter, and a set of Century Jet air retracts from Dennis Anderson.



2011 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. 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. or apply on line. Renew your AMA membership online, then print the receipt that they provide as proof that you paid, or download document No. 902 from the publications page. And, don't forget your City of Costa Mesa Flying Permit. Details are shown on pages 2 – 3.

AMA District X Ramps It Up Online

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](http://www.ama10.org). Why not consider helping your district with its website?

AMA Government Relations Message

Most everyone should be aware by now that the FAA is working on developing new regulation aimed at enabling the operation of commercial and public use unmanned aircraft systems (UAS) in the national airspace system (NAS). FAA intends to include criteria for recreational UAS (model aircraft) in the new regulation and indications are that this criteria will be significantly more restrictive than the guidelines established in the current advisory circular, AC 91-57.

We are now just weeks away from the release of the FAA Notice of Proposed Rulemaking (NPRM) for small Unmanned Aircraft Systems (sUAS) which may come as early as mid January. The NPRM will provide a 90-120 day public comment period to allow interested parties to comment on the proposed rule and to make constructive suggestions toward improving the regulation. Once the rule is published AMA will be providing suggestions and guidance for responding to the NPRM. This will be your opportunity to weigh in on the issue. It is also very likely the AMA will organize a parallel congressional campaign to once again draw attention to our concerns.

Our Fellow Flyers at Fairview Park

In the process of obtaining a 2012 Fairview Park Flying Permit, your editor queried city personnel about the total number of permits issued by the city. The reply was 346 for the year of 2011. So, Harbor Soaring Society who worked to obtain city permission to fly, who worked to get the glider launch, runway, pit area and helicopter facilities in place, and who maintains these areas, and provides services to the city, represents 35% of the flyers. It would be of tremendous value if HSS members could encourage these flyers to join our club.

AMA EXPO 2012

AMA EXPO 2012, January 6-8, Ontario CA, is offering youth ages 13-18 a reduced price of \$5 each. Group tickets purchased in advance also see savings at a reduced price of \$8 per ticket, a \$2 savings. In addition, all attendees will be able to download a free iPhone RC Flight Source mobile app, featuring AMA flying sites, news, reviews, tools, and workshops, courtesy of 2Brothers Hobby, the app's developer. Go to www.modelaircraft.org for details.



LAX Museum

Last month Ted Broberg alerted us to an interesting museum at the Los Angeles International Airport. This facility titled "Flight Path Learning Center and Museum" tells the history of LAX. Rob Askegaard recently made a visit to the museum. Here is his report and photos. Thanks, Rob. - Ed.

Those who are interested in aviation history will be pleased to visit the LAX Flight Path Learning Center and Museum located on the south side of Los Angeles International Airport (LAX) just off Imperial Highway and just west of Sepulveda. It's very easy to get to and not on the terminal property but in an open area free of the nasty airport traffic. Admission and parking is free. There are many displays and memorabilia to examine and enjoy. Many of the personnel there are former airline employees and former stewardesses (flight attendants). It is a very nicely kept and presented place with several display, conference rooms and assembly rooms where presentations can be made. One of the most interesting features is the collections of uniforms representing many different airlines of the past and present. The history of the airport goes back to the 20's. There are several model planes on display. The only actual full size plane on the property is a beautiful DC-3 which had been converted into an executive plane for Union Oil Company.

It is a relaxing museum where you can browse at your own pace.



Some Good Basic Theory – Effective Dihedral Angle Calculator

The following article was provided by Martin Brungard - mabrungard@hotmail.com . It was published on RCGroups.com. Unfortunately your editor could not locate the link to the actual Excel program. If anyone has access to it, contact your editor. However, the explanation is valuable, and a second explanation by Dr. Mark Drela is appended.

This Effective Dihedral Angle (EDA) calculator is a tool to help designers create sailplanes that handle as intended. It can also be used for non-sailplane (power) applications, but is especially suited for determining the EDA for polyhedral wings.

EDA is the product of the horizontally projected panel area, the panel dihedral angle, and the distance between the panel centroid and the center of the wing. For straight wings, the EDA is simply the wing angle. This spreadsheet does those tedious calculations necessary for a multi-panel polyhedral wing. The EDA formula used in this spreadsheet may differ somewhat from others, but the error should be minor. The main purpose of this spreadsheet is to provide a quick comparative result.

For those of us who are mathematically challenged, an angle calculator is included in this spreadsheet so that you can determine the panel angle in degrees if you know the panel length and the amount of rise at the panel tip. Of course, you can use the angle calculator to back-calculate the amount of tip rise you need on your next model wing design. Input the panel length and input different tip rise amounts until you arrive at the panel angle you need.

EDA has a direct impact on the Yaw-to-Roll coupling of an aircraft. Higher EDA will produce an aircraft that has a higher tendency to roll when the rudder is deflected. High Yaw-to-Roll coupling is desirable for a plane without ailerons. This degree of coupling is usually not desirable for planes with ailerons or with an aerobatic purpose.

Through my years of experience, I have come up with some guidance for good EDA values for several sailplane categories. The recommendations are provided below:

Sailplane Type	Suggested EDA (degrees)	Comments
Large Non-Aileron Thermal Sailplane	9 to 10	Larger EDA improves turning responsiveness for larger planes. The spiral stability of this configuration is high, no tendency to spiral in during thermal turns.
Small Non-Aileron Thermal Sailplane	8 to 9	The smaller mass of 2m and smaller planes means they can still turn effectively with this reduced EDA. The spiral stability of this configuration is high, little tendency to spiral in during thermal turns.
Aileron-Equipped Thermal Sailplane	5 to 6	This EDA provides a marginal degree of spiral stability making the plane less likely to spiral in during thermal turns. Still requires some attention to control spiraling in.
Aileron-Equipped Thermal Sailplane	2 to 3	This EDA provides lower susceptibility to side wind gusts to improve landing accuracy. Spiral stability is poor, constant attention required to control spiraling in.
Aileron-Equipped Slope Sailplane	0 to 1	Spiral stability and Yaw-to-Roll coupling is generally not a concern for slope sailplanes, maneuverability is. These planes are usually actively flown at all times so control input is high.

These EDA suggestions are based on the wing located high on the fuselage. Low- and Mid-fuselage wing positions will require a little more EDA to account for the inherent reduction from the lower wing position. The low wing position may require a degree or two of additional EDA to provide the handling characteristics suggested above. Another useful piece of software is the Aircraft Design Assistant written by Helmut Lelke. It is available free on the Charles River RC website <http://www.charlesriverrc.org/> .



Some Good Basic Theory – Effective Dihedral Angle Calculator (continued)

The spreadsheet will handle wings with up to 4 panels. For wings with fewer panels, use the lower number panel inputs. For instance, a 2-panel wing should have data input into the Panel 1 and 2 lines, not the Panel 3 or 4 lines. The units of measure for length can be inches or meters or whatever. The output will correspondingly be in square inches, square meters, or whatever. Just be consistent with the units throughout the calculation. The panel angle must be entered in degrees.

Effective Dihedral Angle Calculator Created by Martin Brungard (mabungard@hotmail.com)

Input the chord widths, panel lengths, and panel dihedral angles for the wing semi-span (input data into the shaded fields)
 Note that the dihedral angle for each panel is the total angle (degrees) measured from the horizontal reference.
 Do not make the mistake of using just the panel angle as measured from the adjacent panel reference line.

Use this angle calculator to find a panel's angle measured in degrees

Panel Angle Calculator: Panel Length: 18 Rise at tip of Panel*: 3.1 Panel Angle (degrees): 9.92
*see the figures above

Chord Widths and panel lengths may be entered in any units (in, mm, etc.), just be consistent throughout.

	Root Chord	Panel Tip Chord	Length	Panel Angle from Horizontal (degrees)	Horizontally Projected Panel Area	Centroid Distance from Root	
Panel 1 (Root)	10.5	10	18	0	184.5	8.93	
Panel 2		8	24	10.2	212.6	29.37	
Panel 3		5	18	20.1	109.9	49.42	
Panel 4		0	0	0	0.0	0.00	
Equivalent Dihedral Angle	12.97 degrees			Projected Wing Area	1013.9	Projected Wing Span	117.05

Effective Dihedral Angle - Explanation by Mark Drela at Yahoo Groups.

EDA is a weighted average of the individual panel dihedral angles. The necessary weighting factors were derived by Blaine Rawdon. It's easy to implement in a spreadsheet as follows.

Lets say a wing half has three panels, like on the Bubble Dancer or the Majestic. The three panels are defined by four panel break stations at four spanwise y locations y0,y1,y2,y3:

panel 1: y0 .. y1 , dihedral = d1 panel 2: y1 .. y2 , dihedral = d2 panel 3: y2 .. y3 , dihedral = d3

In a spreadsheet, it would only be necessary to input y1,y2,y3, since y0 is always zero. Each panel's dihedral angle d1,d2,d3 is measured from the horizontal plane. For the BD, these are

d1 = 0 deg d2 = 10 deg d3 = 20 deg

We now determine the fractional y locations, called "eta" by convention. The BD has panel breaks at y=0,18,42,60" spanwise locations, giving the following eta values:



Some Good Basic Theory – Effective Dihedral Angle Calculator (continued)

$$\eta_0 = 0/60 = 0.0$$

$$\eta_1 = 18/60 = 0.30$$

$$\eta_2 = 42/60 = 0.70$$

$$\eta_3 = 60/60 = 1.0$$

We now compute a Blaine's weighting function $f = (1 - \eta^2)^{1.5}$ for each η . For the BD these are:

$$f_0 = 1.000$$

$$f_1 = 0.868$$

$$f_2 = 0.364$$

$$f_3 = 0.000$$

The Equivalent Dihedral Angle (EDA) is finally computed as follows:

$$\text{EDA} = (f_0 - f_1) \cdot d_1 + (f_1 - f_2) \cdot d_2 + (f_2 - f_3) \cdot d_3$$

For the BD this works out to

$$\text{EDA} = (1.000 - 0.868) \cdot 0 + (0.868 - 0.364) \cdot 10 + (0.364 - 0.000) \cdot 20 = 12.3$$

Humor in the Economy

Trouble in the USA

The current down trend in the USA economy has hit everybody really hard...

My neighbor got a pre-declined credit card in the mail.

Wives are having sex with their husbands because they can't afford batteries.

CEO's are now playing miniature golf.

Exxon-Mobil laid off 25 Congressmen.

A stripper was killed when her audience showered her with rolls of pennies while she danced.

I saw a fundamentalist Mormon with only one wife.

If the bank returns your check marked "Insufficient Funds," you call them and ask if they meant you or them.

McDonald's is selling the 1/4 ounce.

Angelina Jolie adopted a child from America.

Parents in Beverly Hills fired their nannies and learned their children's names.

My cousin had an exorcism but couldn't afford to pay for it, so they re-possessed her.

A truckload of Americans was caught sneaking into Mexico.

A picture is now only worth 200 words.

When Bill and Hillary travel together, they now have to share a room.

The Treasure Island casino in Las Vegas is now managed by Somali pirates.

And, finally

I was so depressed last night thinking about the economy, wars, jobs, my savings, Social Security, retirement funds, etc. I called the Suicide Hotline and got a call center in Pakistan. When I told them I was suicidal, they got all excited and asked if I could drive a truck.

Philosophical Humor

Knowledge is knowing a tomato is a fruit; Wisdom is not putting it in a fruit salad.

Light travels faster than sound. This is why some people appear bright until you hear them speak.

A clear conscience is usually the sign of a bad memory.

If you are supposed to learn from your mistakes, why do some people have more than one child.?

When tempted to fight fire with fire, remember that the Fire Department usually uses water.

The sole purpose of a child's middle name, is so he can tell when he's really in trouble.

Politicians and diapers have one thing in common. They should both be changed regularly, and for the same reason.



Seen Around The Flying Field

Not as many photos in the wintertime, but here are a few. Below, a great morning for soaring. Below left is Bart (didn't get the last name – Ed) with his 2 meter Radian, and below right is Fox Anderson getting in some stick time with his helicopter.



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.

- **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

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HSS Sponsors (continued)



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LAGUNA HILLS, CA 92653

Phone: 888-748-7697

www.gyrohobbies.com



MEMBERSHIP APPLICATION 2011-2012

Harbor Soaring Society
P.O. Box 1673
Costa Mesa, CA 92626
AMA Chartered Club # 128

AMA's Oldest Chartered Soaring Club

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



Attention HP Store Shoppers!



Massive extra discounts all week Long!
Be sure to get in on the savings!

Hobby People

After Christmas Store Hours:

Mon. Dec. 26 9am to 8pm

Tues-Fri . . . 10am to 8pm

Sat. Dec. 31 10am to 6pm

Closed New Year's Day



HARBOR SOARING SOCIETY OFFICERS FOR 2012

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Field Marshal	Jim Ward	714-833-4004	califward@aol.com

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

NEXT CLUB MEETING WILL BE:

**TUESDAY JANUARY 3RD 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 FAVORITE PLANE FOR SHOW AND TELL. WE WILL ALSO HAVE A RAFFLE.

SEE DETAILS AND MAP TO LOCATION ON PAGE 5.

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

