



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



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

December 2006

VOLUME 46

# **HSS Annual Club Awards Banquet**

## **Tuesday night December 5th 6:30pm – 9:00pm**

### **Home Town Buffet**

### **1008 E. 17th Santa Ana, CA**

Come Join use for an evening of good eats and Christmas Joy. Cost is \$10.40 for adults and \$9.79 for seniors. Please pay at the door. Any questions contact Jim Hanson (949) 294-8365 e-mail [tog4rc@pacbell.net](mailto:tog4rc@pacbell.net) . For map of this location visit our web site [1hss.org](http://1hss.org) .

#### **Newsletter Inputs-Needed by 3<sup>rd</sup> Friday of Each Month**

We want the monthly club newsletters to be interesting and informative for beginners and experienced "Glider Guiders" and "Propeller Heads" alike. If you see a build, how- to, or other article in a model magazine on sailplanes or electric powered models that grabs your interest, tell me about it including magazine name, issue date, page number and title and author of the article. Naturally, we want pictures and descriptions your latest model in work or completed including motor/geardrive ratio, battery, speed control used, maiden flight and post-maiden mods .

Your newsletter editor, Gary Gullikson, would like to receive newsletter inputs, text and photos (if any), by email, phone or US mail by around the third Friday of each month. This gives me time to assemble a draft newsletter, get it to the Publisher, Mike Gaczowski, and for Mike to finalize, print and email it to all hands by around the first of the month. Send or phone inputs to me, Gary Gullikson, by e-mail [ggullikson@socal.rr.com](mailto:ggullikson@socal.rr.com) by phone (714) 539-8880 or by mail 10242 Parliament Ave, Garden Grove, CA 92840



**Sound for Electric Scale Models**

Here is link to an E-Zone article on a large Great Planes P6E Hawk biplane with a \$300 engine sound system. Really sounds scale-like!! <http://www.rcgroups.com/forums/showthread.php?t=567879>

**Interim Flying Field Safety Rules-Electric Propelled Models**

The City of Costa Mesa and HSS have been in process of developing an ordinance for flying of electric powered and sailplane models at Fairview for well over one year. When finally in force, the ordinance will require any person wishing to fly electric or sailplane models at Fairview to obtain a flying permit from the city, after showing proof of AMA membership or homeowners insurance to cover flyers liability in the event of personal injury or property damage. The permit will require compliance with posted flying field rules and flying privileges may be revoked by the Park Ranger for violation of the safety rules.

Until the ordinance and flight safety rules can be put in force, all electric-powered model flyers are requested to congregate near the two picnic tables and fly from that place to facilitate communications between flyers, i.e. "taking off, right to left", landing right to left", etc. *It is unsafe for individuals to stand fly at the end of the takeoff area or near the parking area because planes must take off over their heads. Flyers are also requested to stand next to the picnic tables, not of in the middle of the takeoff/landing area, to avoid getting hit.*

From Jim Hanson"

Attached is an e-mail from our attorney, and the latest version of the pending use agreement. Yes we now have an Attorney to assist us in our dealings with the City and AMA. We the club board believe it is in the best interest of the Club its members, and officers we retained the services of an Attorney. Any questions, feel free to contact me:

From Attorney, VL Goodwin:

"Success. I was finally able to reach Ms. Barlow this afternoon. It appears that the City was and is still concerned about HSS policing the use agreement and the use of the flying facility by non-HSS and other John-Q public users. I pointed out that to Ms. Barlow that it was legitimate concern; however, no insurance policy will extend to those outside the organization's insured. In this case, HSS as a Charter of AMA. She stressed that the City wanted HSS to police the flying facility to ensure compliance with the licensing ordinance also up for City approval -- I assured her that HSS has every interest and intent to do so over and above the posting on the Frequency Board. However, HSS will only be able to summon a park ranger to report any violator that will not voluntarily comply with City law since it is not a licensed police agency. She agreed that liability would shift to the City if any non-HSS member failed to heed a voluntary warning that the violator was reported to a park ranger. Still, she voiced a concern over guests of HSS members. Her example was a spouse or sibling was handed the controls and caused some type of damage or violation of the agreement. In that example, I stated that the HSS member would be directly negligent under the theory of negligent entrustment, ignoring a violation of municipal law for allowing a non-permitted, licensed flyer to fly the HSS member's aircraft. Ms. Barlow proposed that we drop the "/AMA" as I requested and add the following language "and HSS authorized guest". Since liability to the HSS member already exists as a matter of law, I agree to the modification since it merely restates what the law already holds. Bottom line -- anyone flying at the park must have a permit, license to do so."



**AGREEMENT BETWEEN THE HARBOR SOARING SOCIETY AND THE CITY OF COSTA MESA FOR THE USE OF A PORTION OF FAIRVIEW PARK**

This Use Agreement ("AGREEMENT") is by and between the City of Costa Mesa ("CITY"), a municipal corporation and public body, and the Harbor Soaring Society ("HSS"), a non-profit organization chartered by the Academy of Model Aeronautics ("AMA") and incorporated in the State of California.

**RECITALS**

WHEREAS, CITY is the owner of Fairview Park, a public park in the City of Costa Mesa; and

WHEREAS, HSS is committed to promoting and improving the enjoyment of model aircraft flying in Orange County, has determined that the use of Fairview Park would further this purpose, and desires for a portion of Fairview Park to be used for the flying of certain model aircraft; and

WHEREAS, the approved Fairview Park Master Plan allows for the flying of model aircraft and provides for model aircraft launching/landing sites at Fairview Park.

NOW, THEREFORE, for and in consideration of the mutual promises, covenants, and conditions herein contained, the parties hereto agree as follows:

1. As used in this AGREEMENT, the term "model aircraft" means all forms of radio controlled gliders, electric motor gliders, and electric powered model airplanes electric helicopters, but does NOT include internal combustion engine powered aircraft, rockets, and aircraft exceeding the AMA weight limit. No person shall be permitted to fly an internal combustion engine powered aircraft or rocket at Fairview Park. All model aircraft must comply with all applicable provisions of the AMA Safety Code and all other applicable AMA specifications and safety codes and as defined as a model aircraft by the Federal Aviation Administration (FAA).
2. CITY shall allow the taking off and landing of model aircraft in the area of Fairview Park marked "Silent Flyer Launch/Land Site (Lawn)" (the "Site") on the City of Costa Mesa Fairview Park Master Plan attached hereto as Exhibit "B" and incorporated herein by this reference. Such use of the Site shall be non-exclusive. Model aircraft may only take off from and land in the Site. Model aircraft may be flown during posted hours. Model aircraft may be flown as far as unaided visual contact will allow, which means distance-wise from the pilot, as opposed to altitude. Membership in HSS shall not be required to fly model aircraft at Fairview Park.
3. HSS shall coordinate with CITY to install and maintain a Frequency Board at or near the Site and a system to post and monitor which potential frequencies may be used for remote control model aircraft operation and which frequencies are currently in use. All persons flying model aircraft at Fairview Park ("flyers") shall only use frequencies that are not already being used as demonstrated by the Frequency Board. Pilots shall only use radio-controlled frequencies allowed for model aircraft by the Federal Communications Commission (FCC).
4. Flyers must comply with 1) the Fairview Park rules posted; 2) the most recent version of HSS's "Fairview Park Flying Field Rules" ("HSS Flying Rules") (including the provision requiring an active AMA license for liability insurance purposes or proof of



homeowner's or other type of liability insurance with a limit of no less than \$500,000 covering flying of model aircraft), which HSS shall keep posted at a kiosk next to the Canyon Drive parking lot entrance to the Site, and which are attached hereto as Exhibit "C" and incorporated herein by this reference; 3) all applicable sections of the AMA Safety Code and all other applicable AMA specifications and safety codes; 4) all applicable FAA regulations, guidelines, and advisory circulars; 5) all applicable sections of the Costa Mesa Municipal Code, and 6) this AGREEMENT. In particular, HSS acknowledges that FAA Advisory Circular 91-57 advises as a safety operating standard that model aircraft not be flown over 400 feet, and HSS affirms that its members shall not fly their model aircraft higher than 400 feet above ground level.

5. All flyers shall "range check" their model aircraft on the ground before they are flown in order to assure that all controls are working properly. Flyers shall not engage in combat flying at Fairview Park. Flyers shall take all actions necessary to avoid flying near other park users. Model aircraft may not be flown over residences, schools, or parking areas. Model aircraft shall remain clear of other aircraft at all times in a safe manner to the extent possible.
6. HSS shall grade, mow, weed, and otherwise maintain the Site. HSS may submit to CITY for consideration any proposals to make any modification to the Site, such as plantings, irrigation or modifications to buildings or grounds or any construction or improvements. All such requests must be made in writing to the City of Costa Mesa's Public Services Department, Fairview Park Plan Administrator. Such modifications may be undertaken by HSS only with prior written approval of CITY, shall be subject to all applicable laws and regulations, and shall conform to the approved Fairview Park Master Plan.
7. CITY shall provide HSS with no less than fourteen (14) days' notice in the event that a third party obtains a permit for an event at or in the vicinity of Fairview Park which model aircraft flying might disrupt or which might cause danger to the participants thereof. In response, HSS will postpone and reschedule any flying activity that might disrupt the event or endanger participants thereof, as determined by CITY.
8. HSS shall have permission to hold scheduled events at Fairview Park, such as model aircraft competitions, which may occur over a one or two day period and include less than 25 participants. HSS shall provide CITY with notice of such events at least thirty (30) days prior to the event by electronic mail to the Parks and Recreation Manager. Notice of these events will be advertised in the HSS monthly newsletter and on the HSS kiosk at Fairview Park at least thirty (30) days prior to the event. For events involving 25 or more participants, a Special Events Permit Application must be obtained, filled out, and approved by CITY a minimum of thirty (30) days prior to the start of the event. Applications may be obtained at City Hall.
9. This AGREEMENT will commence as of the date in which the latter of CITY and HSS approve and execute this AGREEMENT and will continue for a period of five (5) years, unless earlier terminated. Either party may terminate this AGREEMENT at any time, with or without cause, by providing 30 days' written notice of such termination to the other party. Upon or just prior to the expiration of the initial five-year term, this AGREEMENT may be considered for renewal by the Costa Mesa City Council, at the request of HSS, for an additional term, the length of which will be determined by the City Council. Termination or expiration of the Agreement will not relieve any individual member of the public from the insurance requirements referenced in Section 4 of this Agreement when utilizing Fairview Park for model aircraft purposes, provided that CITY allows such model aircraft activity. CITY may terminate this AGREEMENT, effective



immediately upon notice to HSS, at any time, if HSS breaches this AGREEMENT in any way and/or if CITY determines that HSS'S use of Fairview Park creates a safety hazard.

10. HSS may not assign or transfer any of its rights or duties hereunder, either in whole or in part, in any manner whatsoever.
11. For the term of this AGREEMENT, HSS must submit annually to CITY, and maintain on file with CITY at all times, a valid certificate of liability insurance with insurance limits of no less than one million dollars (\$1,000,000) Bodily Injury and Property Damage. Such insurance policy shall contain or be endorsed to contain the following provisions:
  - A. Additional insureds: "The City of Costa Mesa and its elected and appointed boards, officers, agents, and employees are additional insureds with respect to this subject use and contract with City."
  - B. Notice: "Said policy shall not terminate, nor shall it be cancelled, nor the coverage reduced, until thirty (30) days after written notice is given to City."

Other insurance: "Any other insurance maintained by the City of Costa Mesa shall be excess and not contributing with the insurance provided by this policy."
12. HSS shall protect, indemnify, defend, and hold harmless CITY, its elected and appointed officials, officers, agents, employees, representatives, and volunteers from any damage to property and for injury to or death of any person and from all claims, demands, actions, liability, expenses, including attorney's fees, or damages of any kind or nature arising out of or in connection with the performance of this AGREEMENT, or the use of the Site by any HSS members and/or their guests, except that which is the result of the sole negligence of CITY.
13. Whenever possible, each provision of this AGREEMENT will be interpreted in such a manner as to be effective and valid under applicable law, but if any provision of this AGREEMENT is held by a court to be invalid under the applicable law, such provision will be ineffective to the extent of such prohibition or invalidity, without invalidating the remainder of such provision, or the remaining provisions of this AGREEMENT. This AGREEMENT, and all documents attached hereto or made reference to and incorporated herein, constitutes the entire agreement between CITY and HSS to the subject matter of this AGREEMENT. No addition to, or alteration of, the terms of this AGREEMENT shall be valid unless made in writing and executed by both parties. This AGREEMENT is made and entered into in the State of California and the laws of said State will govern the validity and interpretation hereof and the performance hereunder by the parties herein. In the event of any legal action to enforce or interpret this AGREEMENT, the parties hereto agree that the sole and exclusive venue shall be a court of competent jurisdiction located in Orange County, California.
14. All notices, statements, demands, requests, consents, approvals, authorizations, appointments, or designations hereunder by either party to the other will be in writing and will be deemed given and served upon the other party, if delivered personally or three (3) days after depositing in the United States mail, postage prepaid, addressed to:

CITY:  
Fairview Park Plan Administrator



City of Costa Mesa, California  
77 Fair Drive  
P.O. Box 1200  
Costa Mesa, CA 92628-1200

HSS:  
President, Harbor Soaring Society  
P.O. Box 1673  
Cost Mesa, CA 92626

**IN WITNESS WHEREOF**, the parties hereto have caused this Agreement to be executed by and through their respective authorized officers.

CITY OF COSTA MESA,  
A municipal corporation

\_\_\_\_\_  
Mayor

Date: \_\_\_\_\_

HARBOR SOARING SOCIETY

\_\_\_\_\_  
President

Date: \_\_\_\_\_

ATTEST:

\_\_\_\_\_  
Deputy City Clerk and ex-officio Clerk  
of the City of Costa Mesa

APPROVED AS TO FORM:

\_\_\_\_\_  
Kimberly Hall Barlow, City Attorney

Ms. Barlow assured me the changes would be made and forwarded to City staff with a copy to me in advance of the City Council meeting. I will forward a copy to you as soon as I receive it.

Sincerely Vincent L. Goodwin





**Contest Results**

**HSS Year to Date Contest Results**

EXPERT	Jan	Feb	Mar	Apr	May	Jun	Jul*	Aug	Sep	Oct	Nov	Dec	TOTALS
Casey Adamczek				1000		1000							2000
Tom Copp		925	988										1913
Jim Sneed		966				865							1831
Mike Morjoseph			840			981							1821
Ben Clerx			1000										1000
Joe Rodriguez			949										949
<b>SPORTSMAN</b>													
Tuan Le			1000										1000
<b>RES</b>													
John Krug		1000	845	1000		988		740					4573
Ross Thomas		714	842	958		907							3421
Tuan Le			828	972		683							2483
Jim Sneed		237				1000		944					2181
Mike Morjoseph			1000										1000
Alberto Dona				957									957
Tom Burgess								359					359

**HSS Board Meeting Minutes 11/3/06**

Board Meeting:

1. Jim Hanson distributed shed keys to Walt Cloer, Karl Hawley and himself. He will also give keys to David Whittington, Ross Thomas and Tom Copp.
2. Jim Hanson also contacted Tuan Lee. In their productive conversation, it was decided to drop the old harborsoaringsociety.org site and that Don Knight will setup two sites: 1hss.org and a new web site harborsoaringsociety.net which will feature an interactive forum/chat room.
3. Jim and Tuan also discussed the status of HSS incorporation. The board explored the options...to incorporate as a non-profit...with its potential constraints to charging entry and not incorporating...with the concerns for liability of club officers. Moreover, the board also considered the implications of various related items in the City Agreement. Accordingly, the board approved Jim Hanson's contacting an attorney and accountant to clarify our options.
4. Jim Hanson reviewed the Fun Fly finances which cost \$120 and made \$116 (we lost \$4). Why? It was felt in retrospect that the low participation was that flyers don't want to pay to have fun? Further discussion explored alternatives such as a pancake breakfast/swap meet.
5. Jim Hanson indicated that he would contact the City Park & Recreation staff to preclude scheduling conflicts and improve event notification.
6. The Christmas banquet was discussed. For several reasons it was felt to select an alternative to



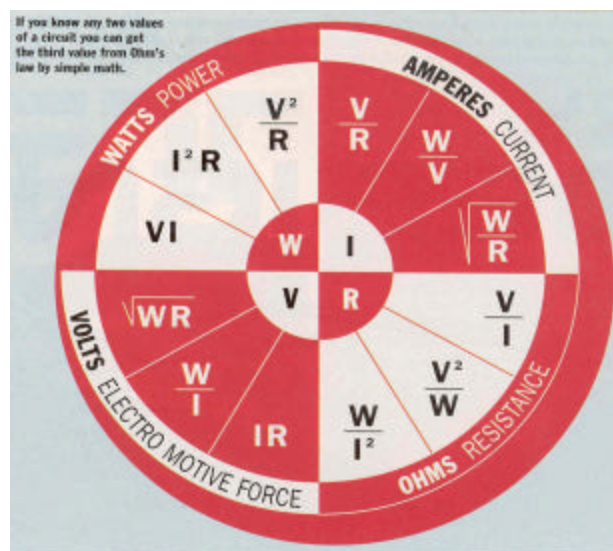
the Claim Jumper. The Home Buffet was agreed upon and Jim Hanson will make the arrangements.

7. John Anderson suggested (in light of the recent crash of his beloved 27mhz Piper Cub due to radio interference in the "Bermuda Triangle" area) that the club conduct a radio interference study of the field in an effort to confirm and map the hot spots. Several members offered their perceptions of the causes and locations. It was suggested that we contact Ron Depinto and request his help using his spectrum analyzer.

8. John also noted that he was still working on the prospective air show but was holding on some actions until the City agreement, etc. was finalized...now planned for the City Council approval at their November 21<sup>st</sup> meeting...after which some time will elapse before the approvals become effective.

### Electrical Terms ( We don't need no steenking)

- 1) **(AMPERE or AMP.)** – A measure of electric current. Sometimes compared to the rate of flow of water in a pipe.
- 2) **(AMP-HOUR)** – The accumulation of current over time. This term is used to describe battery capacity. AMP HOUR can be compared to GALLONS.
- 3) **(C )** – Refers to the AMP HOUR rating of a battery when charging or discharging it i.e. 2000 mAh Lithium-Polymer battery can be charged at a maximum of 1C which = 2 Amps, and discharged at 10C which = 20 Amps. Some Lithium-Polymer, NiCad, and NMH Batteries can be discharged at a higher C rate.
- 4) **(mAh)** – mili Amp Hours or 1/1000 of an AMP-HOUR, i.e. 6000 mAh's = 6 AMP-HOURS.
- 5) **(PARALLEL)** – A circuit arranged where the elements are connected so that all positive terminals are tied together and all negative terminals are connected together. Every element sees the same voltage.
- 6) **(RESISTENCE)** – The electrical property of a device that causes voltage drop when current is made to pass through the device. The measure of resistance is the OHM.
- 7) **(SERIES)** – A circuit arrangement where all the elements are connected in a string so that the positive terminal of one device is connected the negative terminal of the adjacent device. The exact same amount of current will pass through each device in the series string or circuit.
- 8) **(VOLT)** – A Unit of electromotive force. Not unlike water pressure in a pipe. It takes 1 volt to push 1 amp thru 1 ohm of resistance.
- 9) **(WATT)** – A measure of electrical power. One watt is produced by the simultaneous application of one volt and one amp to a device. It takes 746 watts to produce one horsepower.





HSS Aviation Class at the Sea Scout Base

25 kids enrolled, looks like fun at the Scout Sea Base



**New Website and Member Forum-Article By Don Knight Webmaster**

Having 2 different websites for the Club seemed pretty inefficient and difficult to maintain. It is also important that a site be updated regularly and be easy to navigate. The first task was to begin updating the main page on the existing 1hss.org site in a timely manner since members need to be made aware of upcoming events and current issues on a timely basis. Updating is taking place at least weekly, sometimes more often. A new site is under construction at harborsoaringsociety.net and should be ready in January.

Many of you are familiar with user forums such as rcgroups.com and rcuniverse.com. As part of the new website under construction a HSS forum has been added and is available for use now. Forum registration is easy and immediate. The HSS forum is located at our WEBSITE:

<http://harborsoaringsociety.net/hssforum/>

Near the top of the page you will see "Hello There, Guest! (Login — Register)" Click on "Register" and you will be taken to a registration agreement page. Click on "I agree" You will then need to input a desired username, password and valid email address. Do the image verification and click on "Submit Registration" at the bottom of the page. You will then be confirmed and taken to the Forums. When you are logged in you can modify your user information in the USER CP which you can select near the top of the page next to the LOGOUT prompt

**Membership Dues Are Coming Due**

Current and new HSS members are to download the application form off the HSS website, complete the form, make a copy of their AMA card and send the application, AMA card copy, and check for \$20 in an envelope to Jim Hanson at the address shown on the application form. For those few who are not on the internet, please contact Jim Hanson by phone, at (949) 294-8365.

**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.

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Costa Mesa, CA 92627  
(949) 646-3603  
E-mail  
tog4rc@pacbell.net

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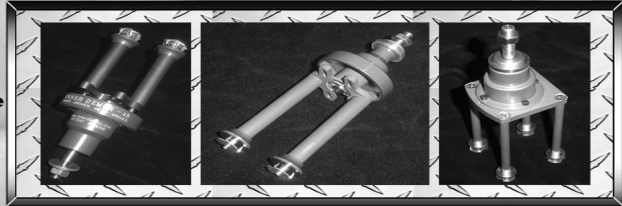
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## HARBOR SOARING SOCIETY

## PLANE RAP NEWSLETTER

### HARBOR SOARING SOCIETY OFFICERS

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Field Marshal	Karl Hawley	(949) 574-9379	<a href="http://www.1hss.org">www.1hss.org</a>

See our NEW web site at [www.HarborSoaringSociety.org](http://www.HarborSoaringSociety.org) for a bright new club image. Our other web site can still be viewed at [www.1hss.org](http://www.1hss.org) . Both feature the latest news, the color issue of Plane Rap, photos, and more.

**CLUB MEETINGS ARE AT 7:30 PM, 1<sup>ST</sup> THURSDAY OF EACH MONTH AT THE  
NEWPORT SEA BASE AT 1931 WEST COAST HIGHWAY, NEWPORT BEACH  
SEE THE COLOR VERSION SENT BY E-MAIL AND AVAILABLE ON OUR WEB SITE.**

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