

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

**May 2007**

**VOLUME 44**

### **New Fairview Permit Flying Permit System**

The City of Costa Mesa's model flying permit system is now in force. All persons who wish to fly at Fairview park must have a permit issued by the city and must abide by posted park rules and applicable AMA safety rules. Don't forget to wear your laminated permit card on your upper body while flying. As of now there is no active policing of flyers to verify that they have permits. Hopefully, signs will be posted at the entrance to parking lots. If anyone is seen flying in a manner that violates AMA or Fairview field regulations, officers and members should politely advise the flyer, and if this doesn't help, the only thing that can be done is to call the Park Ranger who may take action at this discretion. So far this hasn't been necessary.

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

I read the newsletter of a Chino R/C club and was impressed. The editor had done a good job but also expressed that he needed inputs to keep the newsletter interesting and informative. As editor of Plane Rap I have the same needs for inputs. *This month I received some inputs of interest to sailplane flyers (Yay).* I need to receive newsletter inputs, text and photos (if any), by email 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 e-mail 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 to 10242 Parliament Ave, Garden Grove, CA 92840

### **Articles of Interest**

Your editor is an avid reader of Model Aviation (AMA) and Model Airplane News. I also follow and contribute to RC Groups, E-Zone, especially the Scale Electrics forum. I will make note of articles and forum "threads" of special interest to HSS members and include reference info in monthly Plane Rap issues. If you find articles or

any other information that you think others would like to know about, please e-mail accurate and complete reference information to me, Gary Gullikson, [ggullikson@socal.rr.com](mailto:ggullikson@socal.rr.com).

### **Model Airplane News June 2007**

Page

- 58 Kyosho Soarus 1600-ARF electric glider review
- 76 Cermak Edge-ARF 540-E (And Katana-E)
- 112 Make a Static Scale Propeller- ( Using old wooden IC prop blades)
- 126 Tail Draggers & Tailwheels-How to



**Membership Dues Are PAST Due!!!!**

Current and new HSS members who have not done so already are asked to download the application form off the HSS website (1hss.org), 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.

**Indoor Flying**

Jim Hanson told me that he just bought the little RTF Plantraco indoor flyer, transmitter etc in the carrying case. I bought another kit for the Dare Marionette slow flyer. John Anderson has been flying with the Rogue Squadron for some time. We will be visiting and flying indoors with the Rogue Squadron in the near future.

For the Monday indoor flyers contact is Randy Heydon, 714-774-7562. The group now meets in the gymnasium and movie room of the First Church of the Nazarene in Anaheim on East Street just south of the 91 freeway on Mondays at noon or as otherwise scheduled.

For the Tuesday night flyers contact is Martin Nation, 714-757-9799. They meet at 7pm at 915 E. Katella Avenue at Lewis Street in the Goldenwest Medical Center

**Ampeer Newsletter Links- Received by E-Mail From Ken Meyers-( Good Stuff)**

Hi,

The May 2007 Ampeer has been posted to <http://members.aol.com/kmyersefo>. There is a direct link to the May issue on the homepage. Remember that 13 months of the Ampeer are online and can be found at <http://members.aol.com/kmyersefo/ampeer.htm>.

Have you ever wondered how a LiPo, Emoli and M1 (A123) pack would compare in exactly the same application? I have this information in this month's issue. It is an exact, head-to-head comparison. Where are we now, and where are we going? It is a sunny Michigan afternoon as I type this and I'm looking forward to our first EFO flying meeting of the year tomorrow, Saturday, April 21.

Enjoy,  
Ken=

**Light Flight RC -** I have become friends with Dave Skovan of Light Flight RC having used some of the 20mm "ARC" inrunner brushless motors he imports from China in my GWS Zero. Recently they have improved bearings and glues used in these inexpensive high performance motors and added a new line of 28mm motors. Dave has good prices on Spektrum receivers, Castle Creations speed controls and lots of other good stuff for sale online and accepts phone orders. At my suggestion, he plans to add PDF files on which of his ARC motors work with what gearbox and which gear ratios/props work with which typical 3D, warbird and sport models, plus "how to" information on how to install and remove pinions and set up ARC inrunners in different gearboxes. Take a look: <http://www.lightflightrc.com:80/>.



**Lots of Airplane Pics This Month**

Rob Askegaard is our official HSS club photographer and has been dutifully sending me photos of HSS member's models without much recognition or credit. I asked Rob for some bio information and pics of him in action taking pictures. Here is his input:

"I was born in Minneapolis and grew up in Northern Minnesota in the forest and lake country. I finished high school there and a couple years of college. Then I worked in an iron mine for two years before I decided to go back to school. I moved to So Cal in 1961 to finish school and went to work in the aerospace industry because I was nuts about airplanes and rockets. I worked for North American Aviation, McDonnell Douglas, Northrop, Boeing and a couple of electronic outfits. My main model interest is in electric RC scale event though I like any facet of scale modeling. I'm still a beginner with regard to flying skill but I hope to get better. The pictures attached are a 61" wingspan scratch built Heinkel He-100D which I haven't flown yet, a 57" wingspan Beechcraft T-34 ARF which flies very well and my old used Kadet trainer that I'm learning on. I have several other projects in mind which are classified as unusual airplanes that most people aren't familiar with - I like somewhat obscure planes."



Our Intrepid Official HSS Photographer Rob Askegarrrd in action







Rob's Kadet Trainer



Rob's T-34 Mentor



Rob's Hienkel 1



Rob's Heinkel 2

Other Guy's and Models-Pics By Rob



Mike and Moth



Dennis Mallet and Spit





Bruce and ME-262



(?) and Sposter ( Sorry Didn't get name)



Dennis and F-86



Mikes Moth in Full Flight

( Ed: About Pics and Names, sometimes I don't get full names to go with pics and/or names of planes, sometimes I lose caption info due to my mistakes in transferring and filing e-mail text and attachments to my hard drive. I'm learning editing stuff by doing and don't mean to offend anybody.)

### **GRADUATION DAY!**

On May 18<sup>th</sup>, nine students completed the Sea Scout/Harbor Soaring Society's Design-Build Course. Five students were able to attend the final session which featured a panel of students who presented their final project to an audience including proud parents and equally proud mentors John H. Anderson , HSS General Director and Berkeley Green, Sea Base Programs Director (an HSS flyer as well). Also in attendance was David Wittington, HSS Vice President - checking up on us with a watchful eye (he is our safety officer!). Each student articulately explained his research (magazines/internet); design





**GRADUATION DAY! (continued)**

(paper/foam gliders); plan preparation (design, pattern, and appearance drawings) and building (foam/epoxy/e-power components). After the presentations, each student charged his craft and successfully launched it within the classroom to the surprise and enthusiastic applause of all! Congratulations to all our students. We look forward to you joining us soon at the Fairview Field...as fellow flyers!

PS: Editor, I am about half done designing/building/redesigning/finishing my P-26 Peashooter model for the E-Zone Scale Aircraft forum build-off contest . I can appreciate the thought and effort the sea scouts put into their projects and what they learned in the process. I can now appreciate the skills and effort model airplane, power system, and R/C systems developers have put into our hobby. Watching the newsreels from the 30's to the 60's on U-Tube will show how far we've come over the years of continuous fun and excitement in this great hobby .

**Congratulations To Kids and Leaders !!**



Yay!!! Some Sailplane Contest Results Info:

**Contest Results for: HSS APRIL 2007**  
**Date: APRIL 1 2007**

ID	Class	Name	RD 1	RD 2	RD 3	RD 4	RD 5	Total	Norm by Contest
4	R	TONY GTIERREZ	205	567	191	367		1,330	412
3	R	MIKE MORJOSEPH	385	386	343	1,000		2,114	654
1	R	ROSS THOMAS	252	1,000		577		1,828	566
2	R	JOHN KRUG	1,000	404	1,000	828		3,232	1,000

**Contest Results for: HSS MINI F3J**  
**Date: MARCH 3 2007**

ID	Class	Name	RD 1	RD 2	RD 3	RD 4	RD 5	Total	Norm by Contest
4	R	TOM COPP	1,000	1,000	1,000	1,000	1,000	5,000	1,000
5	R	MIKE MORJOSEPH	1,000	1,000	320	1,000	1,000	4,320	864
3	R	MIKE REGAN	695	977	1,000	691	914	4,277	855
1	R	BEN CLERX	654	553	975	859	981	4,022	804
2	R	MIKE SHERDAN	831	974	334	507	790	3,436	687
6	R	JOHN KRUG	688	147	373	513	843	2,564	513
7	R	ANDY SHCARON	621	513	109	448	728	2,419	484
8	R	MARK KARGUL	394	404	195	402	802	2,197	439
9	R	MITCHELL KARGUL	547	167	263	524	210	1,711	342

Upcoming Events

- Sunday May 6 – Easy Glider contest.
- Saturday May 26 – Philly Dog Fun Fly and swap meet.
- Saturday June 16 – RES / Wood crafter contest.
- Thursday July 5 6:30 pm – Club meeting at Napa Valley Pizza & Pasta  
2278 Newport Blvd., Costa Mesa

Hot Links

Here is a link we might want to list in our news letter and post on our web site for those club members interested in indoor models. <http://www.airmidimicros.com/index.htm>

Links to E-Zone Thread on Old Model Airplane Newsreels on U-tube:

<http://www.youtube.com/watch?v=slwnO2YTeIQ&eurl=>

Link to E-Zone Thread on Head Mount for Camera

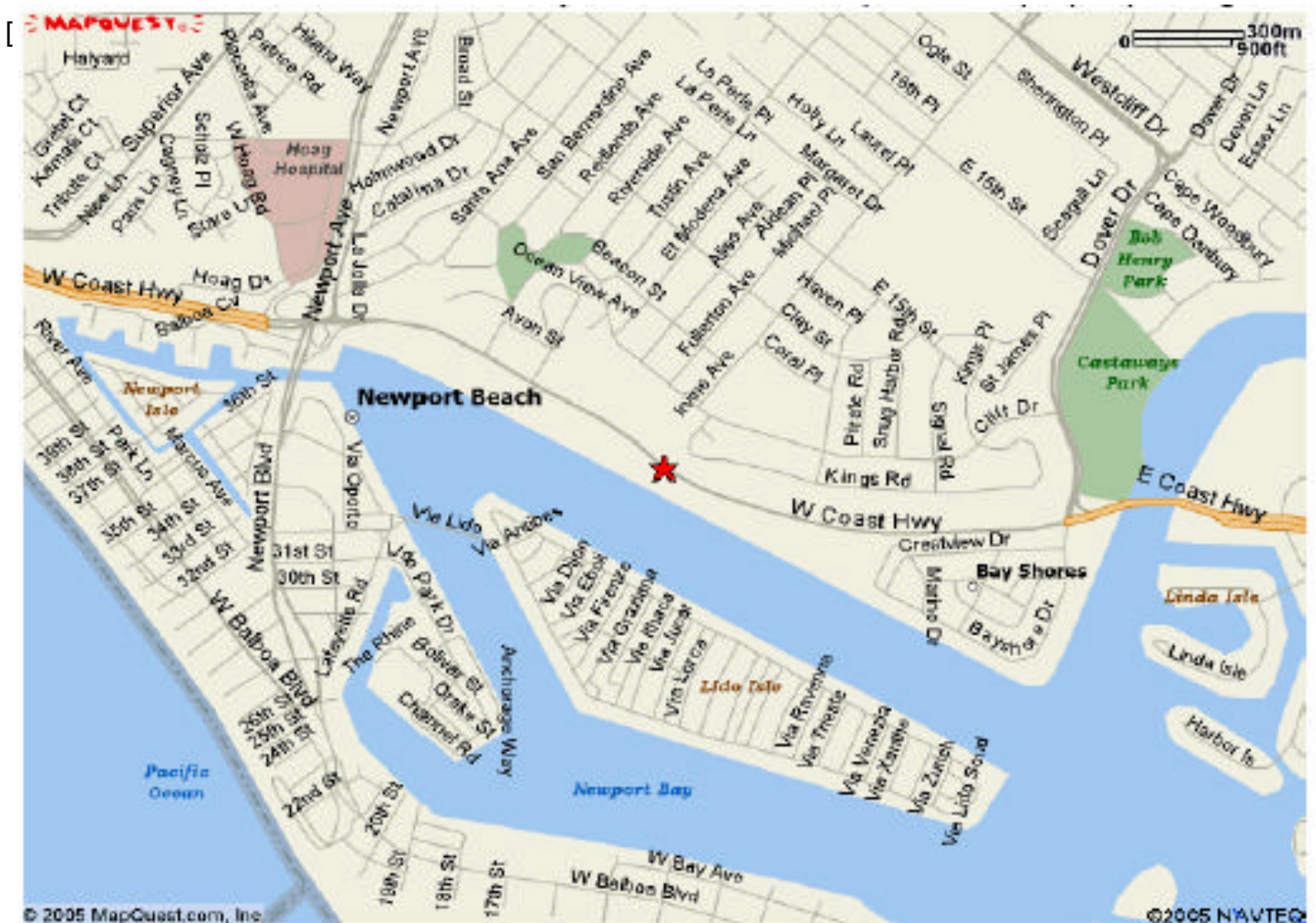
<http://www.rcgroups.com/forums/showthread.php?t=675078#post7319165>



**May 3<sup>rd</sup> 2007 Meeting Notice**

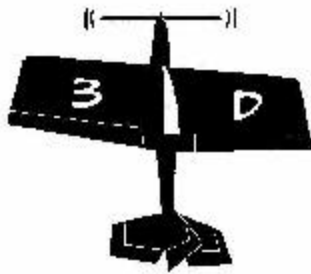
Club meetings are at! 7:30 pm, 1<sup>st</sup> Thursday of each month at the Newport sea base at 1931 west coast highway, Newport Beach.

Directions: Take anything to Coast Highway in Newport Beach. Go East on Coast Highway several blocks East of Newport Blvd. It is adjacent to the UC Irvine/Orange Coast College sailing facility. There is a parking lot in front of the building, and an additional public parking lot a short block up from the corner of Coast Highway and Tustin Avenue (City of Newport not City of Tustin). Some metered parking is also available on Coast Highway. Warning, do not park in business lots such as Ardels or Taco Bell. They have observers to prevent improper parking.





# H.S.S. Philly Dog Fun Day



## Open Fun Fly and Cleanup hanger day

**SATURDAY MAY 26th, 2007 7:30 am till ?**  
**HSS Flying Field Fairview Park Costa Mesa**

This is an open Fun Fly so bring out your latest and or greatest, and fly your brains out. This will be day of fun for all. Also clean-out your hanger and bring all your extra stuff to sell or swap. Karl Hawley serving Philly Dogs at 10:00am. For more information or if you have any questions contact Karl Hawley at 949-574-9379 or check our website [1hss.org](http://1hss.org).




**Classified Ad**

Tim Beegan, HSS Member: Do you have a need for machine work? I can do small parts for R/C planes. Call me at (949) 646-6285 or see me at the field for consulting.

**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.



Decals  
Vinyl letters  
Labels  
Business cards  
Flyers  
Create or Scan art

**Goot Hill Graphics**  
Jim Hanson  
331 Hamilton St.  
Costa Mesa, CA 92627  
(949) 646-3603  
E-mail  
tog4rc@pacbell.net

## COMPOSITE SPECIALTIES

### F3X.COM

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

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

**(949) 631-2982**

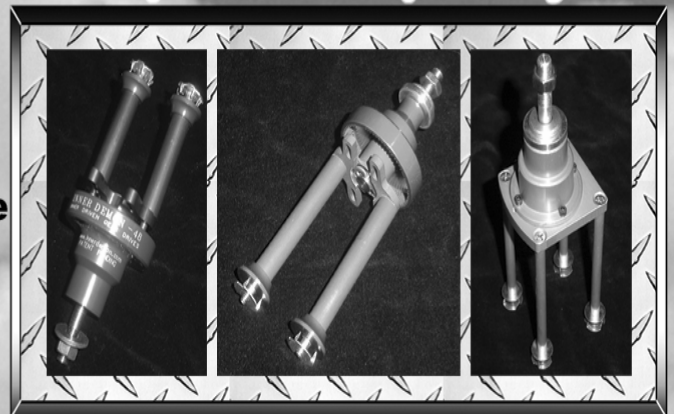


**[www.innerdemon.com](http://www.innerdemon.com)**

- 4 Types to choose from For 120 to 3000 watt systems, park flyers to 1/3 scale.
- No Prop adapters needed.
- All 4 gear drives come with our exclusive EZ mount system.
- New MMS gear drive for direct drive motors like the Jet Phasor & AXI outer runner type motors.
- Motors, Speed Controls and Batteries (nimh & Li-poly)
- Discounted prices on complete power systems.

**Manufactured in the U.S.A. by Model Machining Service**  
**1816 Monrovia Ave. Costa Mesa, CA. 92627**

**Inner Demon**  
*and*  
**Mini Demon**  
**Performance gear drives**  
**and complete electric power systems**





# Hobby People®

## DISCOUNT HOBBY STORES



## R/C CLUB MEMBER SPECIALS FOR MAY 2007

### Unbelievably **HOT DEALS** on radios and servos!

### AIRTRONICS® Name-Brand Radios at **SUPER LOW PRICES!**

#### VANGUARDS

**VG400** 4-ch. radio, (FM, 72Mhz) with (4) 102Z standard servos

Hobby People P.C. 960 Mfr. List \$219.95

**NEW LOW PRICE, ONLY 119.99**



**VG6000** 6-ch. computer radio (FM, 72Mhz) with (4) 102Z standard servos

Hobby People P.C. 929 Mfr. List \$289.95

**NEW LOW PRICE, ONLY 169.99**



**VG6000** 6-ch. computer radio (FM, 72Mhz) with receiver, but no servos

Hobby People P.C. 703 Mfr. List \$250.00

**NEW LOW PRICE, ONLY 129.99**



#### RDs

**RD8000** 8-ch. computer radio (FM, 72Mhz) with (4) 94322Z servos

Hobby People P.C. 931 Mfr. List \$459.95

**NEW LOW PRICE, ONLY 249.99**



**RD8000** 8-ch. computer radio (FM, 72Mhz) with receiver but no servos

Hobby People P.C. 702 Mfr. List \$400.00

**NEW LOW PRICE, ONLY 199.99**



#### AIRTRONICS® SERVOs and ACCY's



Item #	Description	Mfr. List	H.P.
474103	94102Z Standard Servo Z Conn .....	23.95	9.99
474125	94091Z Super Micro 9g Servo .....	39.95	17.99
474142	94162Z High Torque BB Servo .....	84.95	36.99
474144	94322Z Precision Heavy Duty Ball Bearing Standard .....	29.95	16.99
474146	94731Z Contest Aircraft / Helicopter Ball B. Servo.....	109.95	69.99
474148	94758Z Competition Digital Servo High Spd High Torque ....	165.95	99.99
474150	94761Z Micro Digital High Speed High Torque Servo .....	89.95	64.99
475010	Transmitter Battery Pack 9.6V 600mAh .....	39.99	34.99
475090	Transmitter Battery Pack 9.6V 700mAh Van/Rad/Qsr/RD/VG. 19.95	19.95	19.89
477002	Z Standard Switch Harness .....	5.99	5.99
477003	Switch Harness W/D.S.C. ....	8.99	8.99
477009	Z 6 in Extension Cable .....	4.99	4.99
477012	Z 12 in Extension Cable .....	5.99	5.99
477021	Z Dual Extension Cable .....	9.95	9.95
477100	Trainer System Cable .....	16.99	15.00

For a complete review of our Airtronics line, see our web site:  
[www.hobbypeople.NET](http://www.hobbypeople.NET)

# Hobby People®

## DISCOUNT HOBBY STORES

**CALIFORNIA:** Camarillo Chino Hills  
El Cajon Encino Escondido  
Fountain Valley Hesperia La Habra  
Lake Forest Lakewood Lawndale  
Orange Murrieta Pasadena  
Redlands Riverside Rancho Cucamonga  
San Diego Santa Clarita  
**NEVADA:** Las Vegas North Las Vegas East

For store information, call 1-888-HOBBY-4-U



# Harbor Soaring Society



## HSS OVER THE EDGE R.E.S / WOOD CRAFTERS CONTEST

Saturday June 16th, 2007

9:00am - 2:00pm

This is an AMA sanctioned event, all AMA rules apply. Pilots must show proof of AMA Membership. Trophies for 1st-3rd place. Rudder, Elevator, Spoiler Aircraft only. Location HSS Flying Field: Fairview Park Costa Mesa. Task TD 4 rounds 25 ft. landing tapes. WOOD CRAFTER models must have a *wood built up open structure wing and stab no composite D tube leading edges*. Model may have a *molded fiberglass fuselage, no foam, or molded carbon fiber*. Wood Crafter models used in this contest shall have (R.E.S.) rudder, elevator, and spoiler controls only. CD Ross Thomas (714)638-0705 e-mail [rmthomas62@adelphia.net](mailto:rmthomas62@adelphia.net), Assistant CD Jim Hanson (949) 294-8365 e-mail [tog4rc@pacbell.net](mailto:tog4rc@pacbell.net).



## MEMBERSHIP APPLICATION 2007

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

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

Please Print

**NAME** \_\_\_\_\_ **Home Ph.#** \_\_\_\_\_  
**ADDRESS** \_\_\_\_\_ **Work Ph. #** \_\_\_\_\_  
**CITY** \_\_\_\_\_ **STATE** \_\_\_\_\_ **Zip** \_\_\_\_\_ **E-MAIL** \_\_\_\_\_  
**AMA #** \_\_\_\_\_ **(PROOF OF STATUS REQUIRED, Xerox copy OK)**  
**DATE OF BIRTH** \_\_\_\_\_ **Frequency channels used** \_\_\_\_/\_\_\_\_/\_\_\_\_/\_\_\_\_

- ☐ **NEW APPLICANTS (Without Name Tag)–(17 years and older) = \$20.00**
- ☐ **SENIOR MEMBER (Renewal W/O Name Tag)(17 years and older) = \$20.00**
- ☐ **JUNIOR MEMBER \_\_\_\_\_(16 years and under), = \$10.00**
- ☐ **FAMILY MEMBER \_\_\_\_\_(At same address) = \$ 5.00**
- ☐ **Optional or Extra HSS Name tag \_\_\_\_\_ = \$5.00**
- ☐ **I hereby give 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 in place of U.S. Mail delivery of hard copy.**

**My primary interests in radio control flying are? Check all that apply. Show future interests with the letter F.**

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

Applicants making application for senior membership between July 1st and October 31st pay a reduced rate of \$10.00 (Name tag extra). New applicants making application between November 1st and December 31st will pay the annual rate indicated above and such dues will make the new member paid in full for the following year. A signature is required from all Harbor Soaring Society members, agreeing to comply with the current AMA Safety Code and the current HSS General Field rules and Field Safety Rules.

**The undersigned attests that: I will operate my model using only radio control frequencies currently allowed by the FCC. Further, any transmitter that I use at any designated HSS flying field must be manufactured to meet the AMA/FCC specified 20 Khz per channel frequency separation. I understand that my failure to comply with the above restrictions will result in nullification of liability coverage for damages caused or claimed.**

**SIGNATURE:** \_\_\_\_\_ **DATE** \_\_\_\_\_

**Total dues owed and attached: \$** \_\_\_\_\_

**SIGNATURE OF CLUB OFFICER RECEIVING APPLICATION** \_\_\_\_\_



## HARBOR SOARING SOCIETY OFFICERS FOR 2007

President	Jim Hanson	(949) 294-8365	tog4rc@pacbell.net
Vice President	David Whittington	(949)514-0385	<a href="mailto:nsansone@hotmail.com">nsansone@hotmail.com</a>
Treasurer	Jim Hanson	(949) 294-8365	<a href="mailto:tog4rc@pacbell.net">tog4rc@pacbell.net</a>
Secretary	John Anderson	(714)963-5838	<a href="mailto:a71673.1300@netzero.net">a71673.1300@netzero.net</a>
Contest Coordinator	Tom Copp	(949)645-7032	<a href="mailto:tom@f3x.com">tom@f3x.com</a>
Safety Officer	David Whittington	(949)514-0385	<a href="mailto:nsansone@hotmail.com">nsansone@hotmail.com</a>
Assistant Safety Officer	Karl Hawley	(714)963-5838	<a href="http://www.1hss.org">www.1hss.org</a>
Editor	Gary Gullikson	(714) 539-8880	<a href="mailto:ggullikson@socal.rr.com">ggullikson@socal.rr.com</a>
Publisher	Mike Gaczowski	(949)582-9390	<a href="mailto:mgaczowski@cox.net">mgaczowski@cox.net</a>
Winch Engineer	Karl Hawley	(949)574-9379	<a href="http://www.1hss.org">www.1hss.org</a>
Webmaster	Don Knight	(714)719-2661	<a href="mailto:dknight@harborsoaringsociety.net">dknight@harborsoaringsociety.net</a>
Assist. Webmaster	Berkeley Green	(949)370-2755	<a href="mailto:AMA826255@gmail.com">AMA826255@gmail.com</a>
General Director	John Anderson	(949)723-1556	<a href="mailto:a71673.1300@netzero.net">a71673.1300@netzero.net</a>
LSF Coordinator	Jeff Donoh	(562)868-2190	<a href="mailto:jdonoho@ellisonsc.com">jdonoho@ellisonsc.com</a>
Field Marshal	Karl Hawley	(949)574-9379	<a href="http://www.1hss.org">www.1hss.org</a>

**CLUB MEETINGS ARE AT! 7:30 PM, ON THE 1<sup>ST</sup> THURSDAY OF EACH MONTH AT THE NEWPORT SEA BASE AT 1931 WEST COAST HIGHWAY, NEWPORT BEACH. SEE OUR NEW WEB SITE AT [WWW.HARBORSOARINGSOCIETY.NET](http://WWW.HARBORSOARINGSOCIETY.NET) 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.**

