



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

April 2007 VOLUME 44

New Fairview Permit Flying Permit System

As of April 2nd 2007, the City of Costa Mesa's model flying permit system will be 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. The city is not furnishing clips or other means of fastening as of yet. I punched a hole in my yellow permit card, put a ring in it, and made a thing to hang it around my neck with a length of insulated wire, covered the splice with heat shrink tubing. Will try not to tangle with props and strangle myself.

Newsletter Inputs-Needed by 3rd Friday of Each Month- Repeat Request

We want the monthly club newsletters to be interesting and informative for beginners and experienced soaring and electric power flyers 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/gear ratio, battery, speed control used, maiden flight and post-maiden mods.

We have requested Tom Copp to act as a focal point for inputs of information for sailplane flyers

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 Gaczkowski, 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 by phone (714) 539-8880 or by mail to 10242 Parliament Ave, Garden Grove, CA 92840

Articles of Interest #1

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.

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Correction from last issue

Model Airplane News Articles were in April 2007 Model Airplane News, not March 2007 issue

Indoor Flying

The Rogue Squadron Indoor flyers meet at two different venues on Mondays and Tuesdays, new members and visitors are welcome. Many of these folks used to fly at the Crystal Cathedral's facilities. Currently the models include rubber powered free-flights, small slow-flying e-powered R/C planes and some odd devices like the "dragonfly" and John Anderson's "Fly". John Anderson will take more pictures at future flying sessions now that he has the found the flash button on his camera.

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.

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

Your editor, Gary Gullikson, will be building a new Dare Marionette Slow Flyer to take to Rogue Squadron flying sessions, the same Pat Tritle design he used to fly on many calm mornings at Fairview.

More Gorgeous Airplane Pics



Walt's Cloers WACO YMF-5, Pica kit, (?) wingspan, 1/6 scale, 10 lb. Motor: AXI 4130/14 Batteries: (2) 11.1 V, Propeller: 16/10.



Don Holfelt's Stinson SR-9 s from the Top Flite 100" wingspan, 9.5 lb., Motor: AXI 5330/24, Batteries: 10 cell LiPoly.

HSS Student Projects Near Completion

John H. Anderson, General Director

HSS is mentoring the aero modeling program offered by the Newport Sea Scout Base. Some interesting student designs were showcased in the previous Plane Rap. Now these and more recent e-powered free-flight designs...including a futuristic swept-forward flying wing and a profile-scale Spad biplane are also nearing completion.

The hard-working young students have diligently pursued a wide variety of individual designs, researched their subject aircraft; made flying paper glider prototypes, drawn engineering drawing and pattern drawings; cut and finished parts; epoxyed them together; added power components; glide-tested the resultant designs; modified the designs as needed; completed the power hookups; tested the power systems; and row have begun powered testing in the facility's largest meeting room...really too small but its what we have to work with.

As of this writing; by next week (3/28), most if not all students will have completed their respective projects and will be finalizing reduced-size color renderings as part of their documentation packages. And the week after next (4/4), the students will present their work to an audience comprised of fellow students, parents, Sea Scout administration, and HSS representatives. Students completing the course will receive a suitable certificate. A full report will be offered in the following Plane Rap. A number of participating students have doggedly "stayed the course" and hopefully have advanced their knowledge and interest in model aircraft in general and the design/build/fly process in particular.

We are now teaming with Berkeley Green and others to plan follow-on advanced courses...and hope that additional HSS mentors will volunteer to offer applicable instruction on Wednesday afternoons. It can be a challenging but rewarding experience. Please contact Berkeley Green at AMA826255@gmail.com or John Anderson at 71673.1300@netzero.com

Membership Dues Are Due!!!! Repeat Notice

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.

Flying Electrics and IC Models at OCMA Black Starr Canyon Site

Many of you probably heard about the shutdown of the OCMA flying site, AKA Black Starr Canyon. It's located just south of Irvine Lake on Santiago Canyon Road. The AMA took issue with a number of safety and other situations at the site and suspended AMA sanctioning of the field until the issues were resolved. Your editor, an OCMA member, attended one of the mandatory meetings in which in which we reviewed, with OCMA officials, a rather lengthy list new specific flying field rules and safety regulations and heard about widening and marking of the field to be completed shortly. One of the interesting changes is that all members, regardless of power system, electric or IC, must have their own ABC type fire extinguisher and users of lithium polymer batteries (li-polies) must place their batteries in a flame proof container when charging them at the field. There is much concern about preventing fires, confrontations with low flying full scale aircraft, and overlying of people behind the safety barriers or people retrieving downed models. Aerobatic/3D and heli flying in the takeoff and landing area is strictly prohibited and must be conducted away from the traffic pattern. All flying must be in the same racetrack pattern, same direction. There is a plan to have a helicopter hovering area for practice otherwise helis must fly the same pattern as fixed wing. The field is scheduled to reopen on Sunday April 1, 2007. New memberships are being withheld at present. http://flyocma.com/

HSS DISPLAY HELPS HONOR WWII VETS - QUITE AN EVENT!

By John Anderson

On Saturday March 3rd, Orange Coast College (OCC) hosted a special luncheon event - the 31st Annual Santa Ana Army Air Base (SAAAB) reunion. One of the highlights of the event was the well-received display of two well detailed giant scale WWII bomber models provided by two HSS members. Walt Cloer displayed his 121" span B-17 Flying Fortress and George Peters displayed his 85" span B-25 Mitchell.

Many attending veterans chatted with Walt and George asking questions about these awesome models, sharing interesting technical information, and offering remarkable stories of their often heroic real life flying experiences.

OCC had expected about 75 attendees, but were very pleased with an actual attendance of 160. Speakers included former (SAAAB) veteran, Professor Emeritus Charles Nedoff (OCC 1956-1988) and Professor Emeritus R. Malcom Phillips (OCC 1957-1993) a U.S. Airborne veteran - shot down behind enemy lines and held prisoner in Germany for a year.

Excellent food was provided by the OCC Food Services students and served to the guests (including the HSS participants) by uniformed OCC Airline Travel Students.

Rob Askegard and I took photos of the event. My personal thanks to Walt, George, and Rob. Speaking for all of us, I feel that we were each privileged to contribute in our own small way to thank and honor some real heroes of WWII.

In that spirit, as HSS General Director, I will be following up on some earlier work to plan an "air show" at Fairview Park that would further honor the veterans and recognize some of the earlier history of aviation in Orange County. In any case, we'll offer more info on the former Airbase and local aviation history in subsequent Plan Raps.

I also suggest that HSS club members should explore the idea of inviting interested veterans to visit the field and if possible to enjoy some stick-time with a suitable RC model. Volunteers? Contact John Anderson at 71673.1300@netzero.com.

Close Encounters - Chance meetings lead to great speakers for HSS Meetings

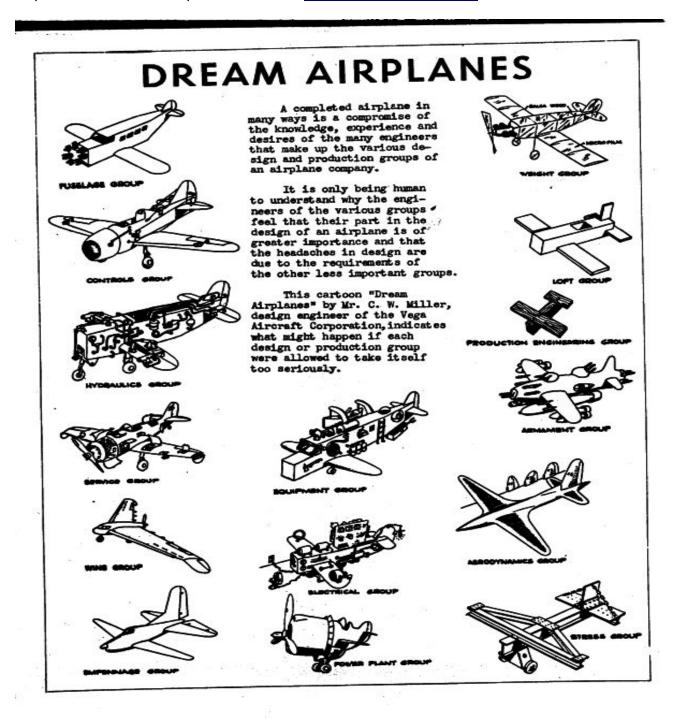
By John Anderson, General Director

While making the rounds on HSS business, I've had several unexpected "close encounters" with the family members of prospective speakers. Here's one example. Mrs. Kate Budlong, the grandmother of six-1/2 year old "David" (of one of our most precocious and enthusiastic students at the Scout Base) attended a recent class. She herself helped David with one of his many projects (an F117 Blackhawk glider) which he successfully completed and flew during the 2-hour session...along with structural repairs and rewiring of his F18-like e-powered original design (lower right plan in the previous Plane rap).

At the end of the class, upon the arrival of David's dad, a UCI math professor, Mrs. Budlong shared with me that David's family tree included several prominent aircraft designers and engineers including E.F. Bruhn author of many definitive textbooks on aircraft design, structure, and flutter. Then she noted that Mr. Bruhn was also an excellent speaker who might be prevailed upon to speak at an HSS meeting and moreover she offered a the following aircraft design-related cartoon for our newsletter. Thanks Mrs, Budlong!

Then there's other chance meetings...like the OCC Gallery Director (curator of the current Santa Ana Army Airbase Exhibit) whose family tree includes a member who flew with the Wright Brothers and other members who were and currently are also prominent aircraft designers...and superstar speakers!

So folks, I sense that there are a number of great speakers just waiting in the wings...all we need now is to assemble an HSS audience! How about you, any close encounters with potentially great speakers for HSS? If so please let us know. Drop me an e-mail at 71673.1300@netzero.com. Thanks!



What kind of bird is that!?

By John Anderson, General Director

Almost every time I am at the Fairview Field ,I find that there is an interesting soaring bird or two which attracts the admiration and attention of fellow flyers. Usually we make "uneducated guesses" as to what it is ...usually interrupted by a frantic attempt by soaring-inclined folks to share any related thermal. For several years, as an RC glider flyer and hang glider pilot, I used to share ridge lift and thermals with soaring birds in the back country of the before the Irvine Coastal development - what a great time!).

Now it strikes me that knowing a bit more about these wonderful natural-born feathers flyers, can enhance the fun of flying at Fairview...so I'm developing an little illustrated pamphlet guide "The Soaring Birds and Special Birds of Fairview Park". It will be soon offered by the HSS to fellow flyers for our own enjoyment and to the public as a community-relations service.

If enough flyers are interested, maybe I can get a model-friendly naturalist to give us flyers a little show & tell at the field and/or at one of our club meetings...and maybe some of us can learn enough to help explain it to our fellow flyers and the general public...including the ever present school kids. Just a thought. Drop me an e-mail if you might be interested. 71673.1300@netzero.com.

Help Clean Up Fairview Park

By John Anderson, General Director

Fellow flyers, Costa Mesa, your model aircraft flying field host city wants you! That's right, the City of Costa Mesa has directly asked the Harbor Soaring Society to join other community groups and neighbors in a funcleanup of Fairview Park on Saturday, April 28th 8:00 a.m. -12 noon - as described in the accompanying flier.

City staff noted that they would be especially grateful if we would field a work crew of about twenty folks minimum to help at Fairview Park - specifically:

- 1. Sanding/painting the front gate (at Placentia Avenue) and sanding/painting several trash holders.
- 2. Removing old plant material at the same Park entrance/median and replant some plants.
- 3. Removing old rotten parking posts and installing new posts in the Placentia Avenue area parking lot.
- 4. Possibly re-establishing the jogging trail next to the concrete sidewalk (not near our area).
- 5. Possibly helping to plant new trees and installing chicken wire protective collars (not near our area).

The City will supply all needed materials, tools, gloves, etc. and those who know me will understand that I was especially pleased that we workers will be treated to a continental breakfast and hearty lunch! (I'm kind of a chow hound).

Whether or not you are an HSS member, as a fellow flyer, please really get behind this project and help the City out. Fill out and send in the registration form ahead of time if you possibly can (note that you are a flyer) Additional copies will be at the field. David Wittington, our hard working safety officer can probably collect them when he is "on duty" there. And he just might help recruit potential volunteers (go for it David!).

Related notes. If you have HSS T-shirts, you might wear them. Be especially careful not to over fly the many participants and political folks in attendance! Fly well away from the grass area and trees...hopefully with safe, quiet, non-intimidating models. HSS will have a booth located at the south end of the assembly area...nearest to the runway for the convenience of foot traffic between the flying areas and the booth/assembly area. If you will be flying and working that day, just park at the usual lot and walk over to the assembly area. Additional parking (350 spaces) will be available at Estancia High School and even more at a nearby lot. There will be no parking at the Placentia Avenue lot.

We have been invited to hold a glider and/or powered flight demonstration after the work program for those wishing to enjoy same. It's a detail we still have to work out. In any case I'm sure we will want to display our HSS banner and maybe a picture board and have some HSS info to hand out as well. Ross noted that in the past HSS has included a raffle...so we might want to work on that also?

In any case, HSS has participated in this event in the past...and now after the City's considerable effort at providing for our continued use of the field; we really need to respond to their modest request and turn out as a group to show our appreciation and community spirit. OK fellow flyers...we'll see you there!

Community Clean-up

NEIGHBORS FOR NEIGHBORS

REGISTRATION WAIVER AND RELEASE OF LIABILITY



I agree to participate and/or I agree to allow my child/children to participate in volunteer project(s) for the City of Costa Mesa that will take place on ______ in Costa Mesa and will consist of volunteer clean-up.

I assume any and all risks associated with my/or my child's performance of these volunteer activities including but not limited to: falls, lifting or carrying of objects; use of or contact with equipment or substances such as hand tools, shovels, ladders, paint, plant material, or miscellaneous debris; the effects of weather, including extreme heat or cold. All such risks are known and appreciated by me. Furthermore, I specifically acknowledge and understand that my child's participation in this project is strictly voluntary and proper supervision of any child under the age of 18 shall be my responsibility to service.

I hereby for myself, my child, my heirs, or anyone who might claim on my behalf, agree not to bring any claim, and waive, release and discharge the City of Costa Mesa, its officers, agents and employees, and the owner of any private property where volunteer labor is performed, from any and all liability for personal injury, death or property damage arising out of or in the course of my participation in this volunteer project. This release and waiver extends to all claims of every kind or nature whatsoever, foreseen or unforeseen, known or unknown.

I have read the foregoing and certify my agreement by my signature below. Children under 18 must be properly supervised by an adult charged with their care and have waivers signed by a parent or guardian.

(YOUTH VOLUNTEERS UNDER THE AGE OF 18 MUST HAVE A PARENT'S OR GUARDIAN'S SIGNATURE BEFORE PARTICIPATING IN THIS EVENT)

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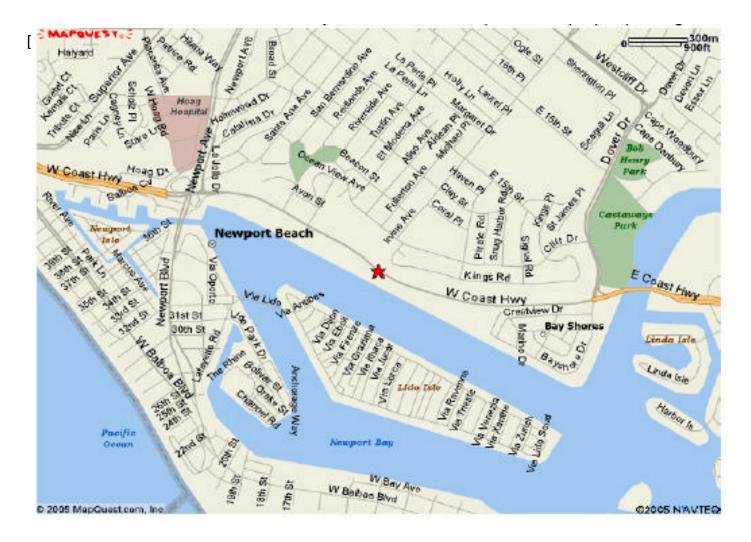
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April 5th 2007 Meeting Notice

Club meetings are at! 7:30 pm, 1st 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.



Improvements at Fairview Field-Suggestions Wanted

By John Anderson, General Director

Its great to fly at Fairview! We're darn lucky! Be thankful...and don't screw it up!

But as good as it is...can we make it better? I think so. Given the City's blessing, there may be some minor improvements which could be made at little or no cost....maybe even with the help of an AMA and/or City-related grant. Think "comfort, safety, fun, training, contests, public relations, etc...at the various areas: parking, winch launch, runway, slope...and also paths, signage, landscaping, etc.

I've already chatted with some of you about this; so I know you have good ideas! Lets hear them and see what we can do! Please leave a note listing your suggestions with David Wittington or any of our club officers...and/or e-mail me at 71673.1300@netzero.com.

I'll compile all your good ideas and include them (along with the likely prospects for implementation) in a near future newsletter. Thanks in advance for your ideas!

Scale Model Build Off Contest on RC Groups, E-Zone

Your fearless newsletter editor instigated a scale model build-off contest on E-Zone's Scale Electric Plane forum. The idea for the fun-oriented design and build contest was inspired by the various motorcycle chopper build-off competitions portrayed on Cable TV programs. I formulated the basic rules and turned them over to Charlie Manzano, of Manzano Laser Works ,who finalized the rules and is sponsoring and running the contest. The fun contest breaks down into "pro" and "amateur" divisions and contestants within each division select either a civilian or military propeller driven man carrying plane to design and build and successfully fly within a three month period. Pro designers are those who have had designs published or who have produced and sold kits. Most of the pro's use computer aided design technology and laser parts cutting. Amateurs are those who have never had a design published or kitted and many have never designed and scratch-built a model previously. I use a straight edge, a ruler, a calculator and a 2H pencil as my design tools.

All models must be original model designs, not using or enlarging other's plans. Models must closely resemble the real plane but are primarily intended to fly well Contestants are required to submit four photos of their model, one at the ¾ complete point (prior to covering), one showing completed model just before maiden flight, one of model in actual flight, and one picture after first flight. E-Zone members will vote on their favorite models and those with the most votes will receive plaques.

There is a little more than a month's time remaining before entries must fly and your editor's model of the Boeing P-26 Peashooter is taking shape. It will have a 37 inch wingspan, power will be an AXI 22122/20, and 3S 2200 mah lipo pack. There will be a tiny servo for each aileron and two HS-55 servos for rudder and elevator using pull-pull linkage. The dummy Dare Wasp radial engine and streamlined cowl ring will be held to firewall with industrial Velcro so it can break away in rough landings. Landing gear will be widened to reduce ground looping. The model will be decorated to look like the P-26 at the Chino Planes of Fame Museum.

The fuselage structure, tail feathers and dummy engine/cowl ring are well along. The wing, landing gear , landing gear fairings, final fuselage stringers and inlaying, covering, trim and rigging wires remain to be completed. If I don't get it flying by the contest deadline date, so be it. I will have a challenging and beautiful Peashooter model to be proud of that hopefully will fly like the real one.

They are already planning the multi engine and electric ducted fan scale model contest to follow.

Fountain Valley, CA 92728-8610

All of above



This information must be received by April 30th to be entered!

Classified Ad

<u>Tim Beegan, HSS Member:</u> 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.



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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.

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CLUB MEETINGS ARE AT! 7:30 PM, ON THE 1ST 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 FOR A BRIGHT NEW CLUB IMAGE. OUR OTHER WEB SITE CAN STILL BE VIEWED AT WWW.1HSS.ORG. BOTH FEATURE THE LATEST NEWS, THE COLOR ISSUE OF PLANE RAP, PHOTOS, AND MORE.