



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

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

**JUNE 2005**

**VOLUME 42**

### **HSS Has It's Second Annual Electric Fun Fly With Great Success**

Sunday May 15<sup>th</sup> saw our Second Annual Electric Fun Fly at Fairview Park. The weather was perfect, and there was a large turnout. Nearly two dozen entrants in the fun type competitions, and at one count, over 80 spectators. Jim Hanson was Contest Director, and did a superb job of managing the events and keeping things moving. Tuan Le obtained over \$3000 in donations which resulted in an enthusiastic raffle in which nearly everyone was a winner.

Quite a lot of photos were taken, including this aerial photo by Jim Ward who demonstrated his video down link.



Photo by  
Jim Ward

The following photo shows just part of the turn out, and some of the planes. Tuan Le has really been working on the charging station, and got the basic project finished to the point that it could be used at the Fun Fly. At the left had side can be seen the station setting on a table. Later this will be attached to the shed once a weather proof cover is made. It was immensely popular, and may need expansion beyond the six stations Tuan has fabricated.

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**PAGE 1**



**Runway Landing**

1 <sup>st</sup> Jack Vaughn	237 points	5 <sup>th</sup> Denny Mallett	159 Points
2 <sup>nd</sup> Mark Gund	235 points	6 <sup>th</sup> Pete Rissman	137 Points
3 <sup>rd</sup> Alex Lavandowski	177 Points	7 <sup>th</sup> Rami Awwad	15 Points
4 <sup>th</sup> Don Hofeldt	159 Points	8 <sup>th</sup> Mica Parks	12 Points

Next, an event similar to thermal duration was the Two Minute Precision competition in which electric powered planes were to fly for two minutes and land at a circular landing tape. This became rather exciting when Don Hofeldt had the tail feathers of his PT-17 chewed up on take-off. The results were:

**2 Minute Precision**

1 <sup>st</sup> Denny Mallett
2 <sup>nd</sup> Mark Gund
3 <sup>rd</sup> Alex Lavandowski

John Krug swept the Easy Star Pylon Race, which was complicated by slightly more wind during the afternoon.

A perennial favorite is the limbo competition which always seems to be scheduled in the afternoon. The results don't do justice to the number of planes that entered the competition but were taken out by gusts or pilot error.

**Limbo**

1 <sup>st</sup> Mark Gund	3 <sup>rd</sup> Herb Hamber
2 <sup>nd</sup> Alex Lavandowski	4 <sup>th</sup> Karl Hawley



Flight demonstrations were a big part of the entertainment, and the combined efforts of Walt Cloer, George Peters, Don Hofeldt, Mark Gund, and Herb Hamber made a spectacular show. The photo below shows the "Hanger" for Walt, George, and Don.



There were many more great photos that will be posted on the web site. Be sure to check them out.

Not only was the event great fun, the club also made a tidy profit. Karl Hawley worked all day grinding out hot dogs on the barbeque, and serving up drinks. He reports a \$59 profit, and the raffle was loaded with prizes from our vendors which inspired everyone to participate, resulting in over \$700 in profit. To close out, here is a note from Jim Hanson, the man that created the event, and has done so much to make it happen: "Just a short note from your CD about the May Electric Fun Fly. A Great time was had by all. Yours truly was very tired but happy with it all, and with the results of the events."

### **Minutes of 3 May 2005 Club Meeting**

Karl Hawley opened the meeting at 7:30 PM. Four officers and nine members were present. Howard McKinley was a guest, but is becoming a member. We also had Larry Tuohino, John Graybill, and Phil Karocoff who gave the evening's presentation on cross country soaring of real gliders.

Bill Eckles reported on the last meeting of Friends of Fairview Park. The 16<sup>th</sup> of August evening is planned as a Concert In The Park.

Bill Eckles then reported on the Fairview Park User Survey, and the meeting held with the Parks Department earlier this same day. See the report on that meeting elsewhere in this newsletter. There were some pretty encouraging events concerning the grading project. The survey analysis will be featured on our web site.

Jeff Donoho presented information on the League of Silent Flight (LSF). This is a national organization that encourages proficiency in model glider flying. Jeff has just attained his Level One rating, and wants to encourage all members to achieve these accomplishments. A motion was made and passed unanimously to make Jeff the HSS LSF Coordinator. An article is featured below that describes the LSF organization and the performance requirements to achieve each level. This article is abbreviated in the hard copy issue, but is complete with color pictures in the E-mail version of this newsletter.

Michael Geers has volunteered to be the HSS Safety Officer. Please assist him in any way to keep our field a safe and fun place to fly. Contact information for Mike is shown on the last page.



Our Publisher, Mike Gaczkowski, reported that our new program to reduce newsletter costs is taking effect. We have about 110 members, and only 50 newsletters were mailed last month at a total cost of \$78. About 75 copies were sent out by E-mail including those gratis copies to local clubs and the AMA. Note that while the hard copy was still 12 pages to reduce costs, the E-mail version had 16 pages. More (color) pictures were included, and some articles were expanded. If any one is having problems receiving the newsletter by E-mail, please contact the Editor or Publisher. Thank you.

Apparently El Dorado Silent Flyers will not conduct the next SCSC event that is planned for Sunday 22 May. HSS will take over the task of running this event, with the assistance of the other clubs. Jim Hanson has volunteered to be Contest Director, as Tom Copp will be out of town.

Dennis Anderson brought in a very interesting RC flying wing. If you can envision a 3-D or U-control stunt plane, that is about what this looked like, except no horizontal stabilizer or elevator. The workmanship was superb (typical for Dennis), and the plane was powered by an AXI brushless motor. Dennis says it is a little touchy to fly.

The meeting was adjourned at 8:05 PM. Larry Tuohino and crew then presented cross country soaring.

A fascinating slide show was conducted by John Greybill who owns a Schempp-Hirth Ventus 2C sailplane. John has a number of awards for distance flying including a 680 mile flight to Idaho.

John described a typical weekend where everyone meets at the Crystallaire Airport at Llano off of Highway 138 near Palmdale. On Saturday a group of 12 to 15 gliders will take off with the hopes of all achieving a 300 to 500 mile flight, then meeting for dinner and staying overnight in a nice hotel before the return on Sunday. Each glider is supported by a chase crew that helps with initial assembly, then follows the pilots, bringing the trailer for the glider's return. It is loads of fun as there is this parade of trucks and trailers all communicating with each other and the pilots during the flight. Members of HSS are invited to join the crews for an all expense paid trip to some pretty neat places. Any one interested should contact Larry Tuohino, John Greybill, or Phil Karocoff at the Orange County Soaring Association (OCSA) at their web site [www.ocsoaring.org](http://www.ocsoaring.org). See photo below with attendees.

Larry is offering HSS a certificate for a free glider ride as a raffle prize. Thanks to all for the presentation.

Submitted by Fred Hesse, Secretary



Picture of every one at the meeting after the cross country soaring presentation.



**Minutes of 25 April 2005 Steering Committee Meeting**

Karl Hawley requested a Steering Committee meeting on 25 Apr 05, which was too late to be included in the May newsletter. The following is a report of that meeting.

The meeting was held at the Sweet Basil Restaurant on Bristol, and attended by Karl Hawley, Jim Parsons, Jim Hanson Mike Gaczowski, Bill Eckles, John Anderson, and yours truly. The meeting began about 6:45 PM.

We were joined by a visitor, Clint Brooks, who is a member of the Southern California Antique Model Plane Society (SCAMPS) and Flying Aces Squadron 70. These groups fly free flight antique and scale models at Fairview Park, usually on Sundays. They are interested in what is being planned, especially with respect to the City, and the possible permit requirement. We outlined the progress made with the Parks and Recreation Department, and invited either participation or at least close communication between HSS and the groups Clint represented. We will put Clint on distribution for our newsletter, and also advertise the coming events that his groups are planning. John Anderson came up with a suggestion to bring these clubs to a common ground by having an indoor RC flying event. Clint will approach Estancia High School to ask for use of the gym.

John Anderson addressed the community support that Jim Ward is providing to the River Park committee. A proposal is being considered for a grant to help fund the work Jim Ward is doing. Jim Hanson suggested sending Jim Ward a thank you letter for his efforts.

Apparently El Dorado Silent Flyers will not conduct the next SCSC event that is planned for Sunday 22 May. HSS will take over the task of running this event, with the assistance of the other clubs. Jim Hanson has volunteered to be Contest Director, as Tom Copp will be out of town.

Karl wants to move the monthly HSS meeting from Tuesday to the first Monday of each month. The reason is that City Council meetings are held on Tuesdays, and it is important for HSS to have a representative there. Also, Karl wants to change the meeting location to the Costa Mesa Park Avenue Community Center so that more members might attend. Bill Eckles suggested giving this a two month try, but we should not abandon the present Water District meeting room yet. Jim Parsons recommended that this topic be brought up at the next general meeting, put to vote, and announced in the newsletter.

Jim Hanson is concerned about submitting the forms and reports required by the IRS for our non-profit club status. Bill Eckles suggested that Tuan Le maintain the EIN records since he is most experienced with the matter.

The meeting was adjourned about 9 PM.

Submitted by Fred Hesse, Secretary

**June 7th Meeting Notice**

The next meeting will be Tuesday June 7th 2005, at the Irvine Water District. The address is 15600 Sand Canyon Drive. There are exits for Sand Canyon Drive on both the 5 and 405 freeways.

The business meeting starts at 7:30 PM. Come find out how you can support our club.

**Special Recognition for Bill Eckles**

After a hard day supporting the SCSC contest last Sunday May 22, Bill Eckles was invited to a special recognition ceremony conducted by the City of Costa Mesa Human Relations Department. He was one of about thirty persons selected for significant contributions, in his case, the involvement with Friends of Fairview Park Committee, and his efforts in conducting the User Survey for the city. He was awarded a certificate and lapel pin. Nice work Bill and well deserved. Congratulations.



**Minutes of Meeting with Costa Mesa Parks Department 3 May 2005**

Bill Eckles arranged a meeting with the Costa Mesa Parks and Recreation Department at 3 PM on May 3<sup>rd</sup> to discuss the Fairview Park Users Survey.

In attendance were Bill Morris (Director), Robert Staples (Park Plan Administrator), Bruce Hartley (Park Maintenance Manager), Bart Mejia (City Engineer), Jim Parsons (HSS Vice President) Bill Eckles (HSS General Manager), and Fred Hesse (HSS Secretary).

Bill Eckles reviewed the results of the User Survey (Which is on the HSS web site), then turned the individual survey sheets over to the City. Bill Morris was pleased with the effort, and then commented that he wants a formal Use Agreement between the City and HSS. This would be similar to the agreement with the railroad club. The City Council has directed Bill Morris and his staff to check into permits and insurance. Our User Survey complements the information needed. Bill Morris then requested that we obtain more explicit guidance from the AMA, and check with other clubs to determine what Use Agreements have been established. We will check with El Dorado Silent Flyers, Laguna Niguel, and Sula.

Next, the status of the grading project was discussed. The City approval has been given for the grading, and \$4,000 has been allotted. Bruce Hartley said the work can be scheduled for July, or possibly before the Concerts in the Park. Jim Parsons will meet with Bart Mejia just prior to the grading work to stake out the area.

The task of getting some form of irrigation water for the graded area is still problematic. The Mesa Consolidated Water District controls non-potable water. Access must be tightly controlled, and the length of plumbing to bring water to the graded area may be prohibitive. Consideration is also being given to using drinking water which is readily available at the rest room, but is not as conservative an approach.

The meeting was closed about 4:15 PM. Submitted by Fred Hesse, HSS Secretary.

**President's Message**

The great time was had by all at Electric Fun-Fly. It was a success because of all of those who worked so hard. There were so many that I can't name them all, so to all of you, I would like to say "Thank You" for a job well done.

The second event of the month was the SC<sup>2</sup> (Southern California Soaring Contest) was also a success. There were 51 flyers plus helper to make one of the best SC<sup>2</sup> this year. A special thanks goes out to Lyndon Johansen for cutting the bases for the trophies. The two things missing that could have made it a even better event... **you** and hot dogs! The hot dog man was out of town, but what was your excuse? If any one out there is interested in doing dogs in the future, let me know. (I did it at the Electric Fun-Fly and had a great time and a chance to see people that I haven't seen for in a while!)

While on the subject of seeing people that haven't seen for in a while (like Al Cron and Dave Nemecek – Hi guys!!), come to our club meetings on the first Tuesday of every month and be seen.

The City of Costa Mesa might start on the mounds at Fairview Park in July. This will permit us to move the electric flyers and provide a new landing spot for the gliders, away from the walk way. (and if we are really lucky, maybe even some grass!)

Speaking about Fairview Park, it is a natural habitat. That includes all you can see from the Vernal Pools to the California Native Grasslands. All wildlife at Fairview Park, including the "Fairy Shrimp" in the ponds to even the bees in the trees, are protected. If you see someone doing damage to the park or killing any wildlife, ask them to stop and explain why. The Harbor Soaring Society is a guest at Fairview Park and we want to stay there. I look at Fairview Park as the last place in Orange County to fly. I will do what I can to keep it, will you?

Fly high and keep your butts off the ground.

Karl Hawley, HSS President





The Harbor Soaring Society would like to extend our most sincere Thanks to these sponsors for their generous support of our 2<sup>nd</sup> Annual Electric Fun Fly.

Please remember to support these companies when working on your next project!

Also, Steve Campbell of Dream Hobbies will give a 10% discount on most items he carries to HSS Members.

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**Our National Competition Winner**

HSS member Jim Ward has just won First Place in a national model building competition. Fly RC Magazine conducted a plan building contest sponsored by ZAP adhesives. The object was to scratch build a plane from plans contained in the magazine. In this case, the plane was called the Race-E, an electric powered low wing monoplane of built up construction. Jim incorporated a number of original ideas that impressed the judges sufficiently to award him first place, a \$250 check, a year subscription to Fly RC Magazine, and a ton of ZAP products.



**League of Silent Flight**

With Jeff Donoho as our new League of Silent Flight (LSF) Coordinator for HSS, some members may be curious as to what LSF is all about. It is a national organization sanctioned by AMA that encourages model glider pilots to develop their proficiency. The organization sets pilot capability standards, and provides the record keeping for all who wish to attain the progressively more challenging levels. LSF has a very complete web site, [www.silentflight.org](http://www.silentflight.org) that has all the details including forms, how to apply and submit proof of achievement, and many other details. The description of achievements requires about four pages, which is included in it's entirety in our electronic version of this newsletter. However, for our printed version, only the following Summary of Accomplishments is duplicated. Visit our web site for full details or go to LSF.

Requirements	Primary	Intermediate			Advanced
Level	I	II	III	IV	V
Thermal Duration	5 min.	15 min.	30 min	1 hr	2 hrs.
Slope Duration	15 min.*	1 Hr.*	2 hrs.*	4 hrs.*	8 hrs.
Precision Spot Landing	5 landings 3m (9.84 ft) or less	10 landings 1.5m (4.92 ft. or less)	None	None	None
Goal and Return	None	None	1km (0.62 mi.)	2km (1.24 mi.)	10km(6.2 mi)
Competition	None	6 contests** w/ 1 place or 3,000 pts	6 contests** w/ 2 place or 4,500 pts	6 contests** w/ 2 places and 1 win or 6,000 pts	6 contests** with 12,000 points including 3 wins

**Report on RCX 2005**

May 21 and 22, 2005, saw the third annual RC Expo at the Anaheim Convention Center. It is advertised as the worlds ultimate radio control exposition, and this one was definitely bigger than the previous two shows. There were a huge number of manufacturers advertising their products, and offering fabulous discounts at the show. The show featured a lot of demonstrations with planes and helicopters (indoor), and all forms of race cars both gas and electric on dirt and smooth surface tracks.



### **RCX Report (Cont.)**

Last year saw the introduction of the first 2.4 GHz spread spectrum (cell phone) technology by Nomadio Systems. This year they were back with their "Sensor" model digital R/C control system, and accompanied by a new competing product called Spectrum DSM distributed by Horizon Hobby. This is definitely the coming thing for radio control with it's interference free base band, 8 inch antenna, and each user assigned the equivalent of a cell phone number. What is more, the radio link is bi-directional, meaning your model will be able to down link information like altitude, variometer data, battery voltage, motor RPM and many other items that could help you fly better and safer. This is so new and exciting that we will feature this technology as a special article in a future newsletter.

### **HSS Bent Wing Glider Competition June 18 2005**

Saturday June 18<sup>th</sup> will be the next HSS Bent Wing Glider Competition at Fairview Park. Karl Hawley will be Contest Director, and once again he needs all the help he can get. There will be need for score keepers, frequency control, winch and retriever operators, timers, and HSS members to set up the winches and landing tapes. Contact Karl if you can lend a hand. See our web site for event announcement.

### **Propeller Speed Warning**

The APC Props manufacturing company (Landing Products) has an interesting guideline on their web site ([www.apcprops.com](http://www.apcprops.com)) in which they suggest limiting RPMs for various prop types. Their suggestions follow:

Thin Electric Props (including Folding Electric) - Maximum RPM = 190,000/prop diameter in inches  
Slow Flyer Props - Maximum RPM = 65,000/ prop diameter in inches

This means a 10 inch slow fly prop should not exceed 6,500 RPM, and a 12 inch slow fly prop should not exceed 5,400 RPM. What is interesting is that APC is a pretty reputable company. What would be the RPM limits for some of the cheaper imported props?

They also have a very interesting article on the Engineering Design of their propellers and a separate article on Propeller Safety Concerns where they discuss the many types of loads on a propeller including resonant excitations and tip flutter. They conclude with the following safety warning:

**Assume that a propeller can fail at any time, especially during high power tests on the ground, and never stand in or expose others to the plane of the propeller arc.**

### **An Unfortunate Accident**

An unfortunate event occurred at the Second Annual HSS Electric Fun Fly in which a model got out of control and collided with one of the spectators. It was a young boy, and he was struck in the back by the model. (Dr.) Walt Cloer immediately went to the aid of the boy, and determined that while scratched, he did not suffer any significant injury. Subsequently, Tuan Le followed up with the following report:

Regarding the incident of the young boy that got hit in the back by an Easy Star, I got the contact info from the boy's father and called them this evening to apologize and spoke with the mother. I left them my contact info and she told me the boy is doing just fine, only scratches and a bruise. I told her hopefully the boy is not gun-shy about going to see R/C planes flying again at Fairview Park and offered him a free lesson if he ever wants it. She seemed happy with that.

Regards, Tuan

Here are two examples of thoughtful and quick response to a situation that could have been a major injury, with repercussions ranging from simple bad press to loss of our flying site, and law suits. This re-affirms our need to have all modelers insured, if not through the AMA, at least through an insurance policy that does cover this type of problem. Both Walt and Tuan are to be commended for their sympathetic concern for the boy, and the realization that a kind word and follow up can do much to give the club a very positive image within our community.



**Coming Events For 2005**

Sat-Sun	June 4-5	International Hand Launch Glider Festival, Poway CA.
Sunday	June 5	Fifth HSS monthly club thermal duration competitions at Fairview Park.
Tuesday	June 7	HSS monthly meeting, 7:30 PM, at the Irvine Water District offices. Address is 16500 Sand Canyon Avenue, in Irvine.
Saturday	June 18	HSS Bent Wing glider competition. Fairview Park, Costa Mesa.
Sunday	June 26	Fifth SCSC thermal duration contest at ISS, Reid Park Community Center, on Orange St. between Chase Rd. and Center St. Riverside, CA.
Sunday	July 3	Sixth HSS monthly club thermal duration competitions at Fairview Park.
Tuesday	July 5	HSS monthly meeting, 7:30 PM, at the Irvine Water District offices. Address is 16500 Sand Canyon Avenue, in Irvine.
Sunday	July 17	Inland Soaring Society's (ISS) 3 <sup>rd</sup> Annual RES Challenge. Reid Park Community Center, on Orange St. between Chase Rd. and Center St. Riverside, CA.
Sunday	July 31?	Sixth SCSC thermal duration contest at ?
Tuesday	August 2	HSS monthly meeting, 7:30 PM, at the Irvine Water District offices. Address is 16500 Sand Canyon Avenue, in Irvine.
Sunday	August 7	Seventh HSS monthly club thermal duration competitions at Fairview Park.
Sunday	August 28	Seventh SCSC thermal duration contest at TOSS,
Sunday	September 4	Eighth HSS monthly club thermal duration competitions at Fairview Park.
Tuesday	September 6	HSS monthly meeting, 7:30 PM, at the Irvine Water District offices. Address is 16500 Sand Canyon Avenue, in Irvine.
Sunday	September 25	Eighth SCSC thermal duration contest at ISS, Reid Park Community Center, on Orange St. between Chase Rd. and Center St. Riverside, CA.
Sunday	October 2	Ninth HSS monthly club thermal duration competitions at Fairview Park.
Tuesday	October 4	HSS monthly meeting, 7:30 PM, at the Irvine Water District offices. Address is 16500 Sand Canyon Avenue, in Irvine.
Sunday	October 30	Ninth SCSC thermal duration contest at TPG, San Diego, CA.
Tuesday	November 1	HSS monthly meeting, 7:30 PM, at the Irvine Water District offices. Address is 16500 Sand Canyon Avenue, in Irvine.

**May 2005 Southern California Soaring Clubs Thermal Duration Competition Results**

On Sunday May 22, HSS put on the SCSC thermal duration competition for May 2005. It was a beautiful day and there were 51 entries. Only the first three winners of each event are shown below. The full results are included with the electronic version of this newsletter. Jim Hanson volunteered as Contest Director, and ran a great event, complete with getting the results for the newsletter deadline. Thanks, Jim. You have really been contributing a lot to the club as treasurer, Fun Fly CD, and SCSC CD. We appreciate it.

ID	Class	Name	RD 1	RD 2	RD 3	RD 4	Total	Norm by Contest	Norm by Class
11	E	Taylor, Mark	988	978	990	980	3,935	997	1,000
14	E	Vera, Edgar	988	983	960	967	3,897	987	990
2	E	Browing, Mark	970	960	974	893	3,797	962	965
24	I	Stalls, Jared	980	988	974	989	3,930	996	1,000
22	I	Morjoseph, Mike	933	920	978	979	3,809	965	969
21	I	Millett, Keith	973	953	918	810	3,653	925	929
29	S	Borer, Dan	933	988	894	786	3,600	912	1,000
38	S	Takayama, Tak	940	940	645	852	3,377	856	938
32	S	Gomez, George	405	970	893	937	3,205	812	890
43	R	Jolly, Larry	998	985	996	969	3,947	1,000	1,000
46	R	Takayama, Tak	915	600	986	771	3,272	829	829
49	R	Northern, Don	785	900	896	602	3,183	806	806



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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 will feature the latest news, the color issue of Plane Rap, and more.

**NEXT CLUB MEETING AT IRVINE WATER DISTRICT, TUESDAY, 7 JUNE, 2005.  
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