

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

July 2011

Volume 48

THIS MONTH'S HEADLINES

Yet Another Indoor Glider Record set in Tustin Hangar. See Page 10.

Plane Rap Index

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Coming Events and Soaring Competitions

July-August 2011

The following events are of special interest.

- Tuesday July 5. HSS monthly meeting, Round Table Pizza, 11095 Warner Ave. General meeting at 7 PM. Exec meeting at 6:15.
- Fri.-Sun. July 1-3. IMAC SoCal Scale Aerobatic and Freestyle Challenge, Prado Airpark, Chino. See www.pvmac.com for information.
- Thurs-Sun July 14-17. AMA 75th Anniversary Celebration at AMA facility, Muncie Indiana. See www.ama75.com for information.
- Sunday July 17. Sixth SC-2 soaring competition. Man-on-Man hosted by VVRC at Victorville. See details on P. 16 or on SC-2 web site at: <http://site.sc2soaring>.
- Tuesday Aug 2. HSS monthly meeting, Round Table Pizza, 11095 Warner Ave. General meeting at 7 PM. Exec meeting at 6:15.
- Sun. Aug 21. Seventh SC-2 Man-on-Man soaring competition. Hosted by ISS at Riverside. See details on SC-2 web site at <http://site.sc2soaring>.
- Fri.-Sun. Aug. 26-28. The Big Jolt West Coast RC Electric Experience. Prado Airpark – Chino. Info: www.pvmac.com.



HSS Meeting Minutes For 7 June 2011

I. Business Session: Meeting was called to order at 6:30 p.m. by president Henry Smith 4. In attendance were General Director Henry Smith 3, Vice President Chris Adamczyk, Treasurer Dennis Anderson, Competition Director Jim Hanson, Newsletter Editor Fred Hesse, Safety Officer Karl V. Hawley, and Secretary Ted Broberg.

A. Newer field map and revised field rules were discussed in closed session. These will be posted soon.

II. General Session: Called to order at 7:05 p.m. Also attending were David Whittington, Jim Sonnenmeier, "Kaz" and Linda Ellyson, Ralph Chamberlin, Ross Thomas, William Vincent II, John Rittenhouse, John Anderson, Jeff Green, Jim Ward, Mike Fox, Joni Whitsitt, Randy Wilbert, and Kelly and Lindsay Beavers,

A. Joni Whitsitt and Randy Wilbert spoke to us about the Orange County Fair. The Scale Squadron has operated a booth at the Fair for eleven years. She has asked us to man the booth Saturday, July 23, 2011. We'll be in the Home and Arts Building, with the Woodworkers. She'll have a 42" screen running REAL FLIGHT Simulator, with a control box. Kids and adults are able to "fly" planes. She'll also run videos of different events on a separate screen. She invited us to lend any such videos we wish to show. Hobby People has prepared a display of models to show, which she'll set up before the opening. She suggests that we have HSS hand-outs, brochures, maps, AMA (and HSS) application forms, etc., ready for people to pick up.

-- Hours: Sat., Three shifts: 10:00-1:00, 1:00 to 5:00, and 5:00 to 10:00 p.m.

--Parking: Adams and Pine lot. Shuttle Bus to Gate 6. Walk to enter at Gate 6. She'll give our workers parking passes and General Admission Tickets. She recommends three representatives for each of the three shifts. Two must be in the booth at all times. One will be needed on the Simulator at all times. For our display, she'd like to have one large glider brought FRIDAY, SATURDAY 22, and will need help to "string it up" above people's heads. We won't be doing any demonstration flying this year.

--Set-up: Friday, helpers with Glider, meet her at gate 4, 8:00 a.m. She'd like the B-17 and one good-sized helicopter.

-- Be sure to wear your BADGES. Jim Hanson can make up name tags for the nine registered volunteers.

-- Joni's email is wwwjo@aol.com

-- Those who do NOT get on the volunteers' list may PAY to enter, and come to the booth to see if they are needed.

B. Club News: Henry 3 said the field has been worked on, and is looking good. We've held an Indoor Fun Fly and run a glider contest at Fish Canyon. This coming Saturday is the Bent Wing contest. We need help to run this competition.

C. John Anderson mentioned that the Indoor Fun Fly video is on U-TUBE.

D. Field matters: Three new tables were given to us by Robert Staples, park supervisor.

E. Jim Ward is collecting money for a field maintenance and spraying fund. Response so far has been fabulous. If we get a long rainy session, the guy who sprays weed-killer says he can spray a pre-emergent chemical that should knock the weeds down for two to three years.

F. Question: Are we still planning to move the boundaries? John Rittenhouse and Henry Smith III have each offered \$1500 toward doing the grading and whatever else is involved BY THE END OF THIS YEAR. This is a contingent offer. Action must be made in 2011.

G. The afternoon electric fliers who fly by the parking lot need to be urged to FLY FROM THE PITS and GET A PARK PERMIT. We need all of us to push them toward this.

H. Chris introduced Kelly and Lindsay Beavers, of the WETLANDS AND WILDLIFE CARE CENTER. They take in injured birds. Right now she's working with young pelicans. The young birds need to learn how to get their own



HSS Meeting Minutes For 7 June 2011(continued)

food, so she's feeding pelicans all day. The Center gets orphaned, sick and injured birds. It takes about three months to raise a hatch of pelicans. They do get occasional hawks and owls, which they refer to a special service. She gets hundreds of calls a week from lifeguards and other people who find birds in need of care. -- The agency started after a freighter spilled 40,000 gallons of oil, and they came to clean up the birds that were coated.

She urges us NOT to feed wild birds, especially bread. She has a handout advising people what to do with a small bird that we might find on the ground. Simply put: Leave it on the ground. Parents of many species of birds teach their little ones to survive by training them while they are on the ground.

Their funding is almost entirely by public donations, with a bit from Fish and Game. You can adopt a bird, and get a certificate, for \$25, and they sell T-shirts and other things.

Got a raccoon problem? They hate strobe lights, or a spotlight shining through a fan, -- or TALK RADIO. They HATE these. (If you feed any animals outside your house, you can expect wild animals to come to dinner. It's important to pick up the left-over pet food.) Another word of caution: Trees that reach your roof or your eaves invite critters into your attic.

Nesting season is NOT a good time for tree-trimming. Lots of birds are lost due to tree trimmers.

Sea birds have a lot of problems caused by litter in the ocean. She brought a large jar filled with junk that has been taken from birds that have been entangled. Many birds with fishing line injuries come in.

-- CONTACT INFORMATION: The center is open from 8 to 5 daily, 21900 Pacific Coast Highway, Huntington Beach. <http://www.wvccoc.org>.

I. Henry 3 made a serious announcement about cameras on R/C planes. Arbor Park has been closed to ALL R/C flying since a flier using his camera-plane was seen taking photos of things at a military base. Any model aircraft found at the site will be destroyed.

J. Visitor Bruce Ellyson thanked the guys at the field who have helped him get back into flying models.

K. Chris Adamczyk showed the recent progress on his own design for a glider.

L. William Vincent II told how his electric jet MiG 29 hit a power line and crashed.

M. Henry Smith III showed Tim Beegan's old PLAYBOY PYLON plane that he got at a recent meeting's drawing. He re-covered it, sanded it for hours, painted the fuselage, and added the motor from his ACRO-MASTER. He flew it earlier today, and it flies beautifully.

N. Dennis Anderson showed graphs he made using the Castle Creations ICE electronic speed controls. He was able to capture lots of data after his flights.

O. Raffle Drawing: Bruce "Taz" Ellyson's wife Linda won, and Taz chose the PARAGON glider; Dennis Anderson won the remaining prize, an aluminum spinner donated by Henry Smith 4.

-- Meeting adjourned at 9:30 p.m.

Respectfully submitted, Ted Broberg, Secretary

Fairview Park Concerts in the Park

Each summer the City of Costa Mesa offers free evening concerts in Fairview Park. These are held on Tuesday evenings about 5:30 PM. The dates are 5, 12, 19, 26 of July and 2 August. Since the city uses the Canyon Drive entrance to the park for parking, the field will be closed at 4 PM on those evenings so that parking can be organized. For information on the performing entertainment, go to www.ci-costa-mesa.ca.us.

Raffle Prize Shortage

Anyone with model aircraft or equipment suitable for donation to the club raffles held each month should contact Ted Broberg at 714-235-6430 or tbroberg@earthlink.net.



Bent Wing Glider Competition – 11 June 2011

A great glider competition for RES (Rudder, Elevator, Spoiler) and woody gliders was held at Fairview Park on Saturday June 11. 19 participants and event workers had a good time with pretty nice lift under light clouds. The Table below lists competitors, the gliders they flew, and the final standing. Jim Hanson got the show rolling on time, assisted by Henry Smith III maintaining scores, Doron Ben-Yehezkel, Henry Smith IV, and Tom Sherwood performed timing, Ted Broberg and David Wittington worked the retrievers, and Fred Hesse monitored the landing tapes. The following photos are courtesy of Rob Askegaard except where noted.

RES

RES	ROSS THOMAS - SUPRES	940	641	653	2,234
RES	JOHN KRUG - Charm	898	293	894	2,084
RES	ALBERTO DONA - SUPRES	883	894	0	1,777
RES	KARL V HAWLEY - Gnome	790	898	0	1,688
RES	CHRIS ADAMCZYK - Charm	0	923	248	1,170
RES	JIM SONNENMEIER - Danny	825	0	326	1,151
RES	MIKE MORJOSEPH - AVA	938	0	0	938
RES	TOM VINCENT - Gnome				

WOODY

W	BRUCE SCHAEFER - Gnome	755	694	947	2,395
W	ROSS THOMAS - Gnome	900	512	840	2,252
W	ERV SZEGO - Crusader	795	900	548	2,243
W	MIKE MORJOSEPH - Gnome	923	773	335	2,030
W	TOM VINCENT - Paragon	0	885	917	1,802
W	RALPH CHAMBERLIN - Mistral	595	0	0	595

Some great flights met the assigned task times of 6, 8, and 10 minutes, as shown in the results. These were interspersed with some unfortunate malfunctions. Tom Vincent brought a Gnome that broke the elevator spar during launch. This caused violent flutter at higher speeds, but by slowing down, Tom was able to land with no other damage. Mike Morjoseph snapped his AVA wing spar at the root during a vigorous launch. This sadly totaled the aircraft. Alberto Dona lost radio contact shortly after launch. His SUPRES (that's a Superior RES) was so perfectly trimmed that the glider was visible for 5 minutes before perching in a tree near the golf course. Doron Ben-Yehezkel took about 20 minutes of great video that can be observed on <http://www.youtube.com/watch?v=r78kEks1bM>.

Ted Broberg has provided the photo of our trophy winners at right. Left to right are Bruce Schaefer 1st place - Woody, Mike Morjoseph standing in for Alberto Dona 3rd place - RES, Ross Thomas with two trophies, 1st - RES and 2nd - Woody, Erv Szego 3rd - Woody, Jim Hanson (Contest Director), and visitor John Krug 2nd - RES.



Rob Askegaard has captured the subsequent photos, starting with a neat shot of Ross's Gnome coming in for a landing with full spoilers.

Thanks, Rob. Ed



Bent Wing Glider Competition – 11 June 2011 (continued)



Most of the pilots and their planes getting ready, above.
Bruce Schaefer executing his launch, at right.



Left is Chris Adamczyk launching Ralph Chamberlin's plane. Ralph is a little obscured.
Above, Ross Thomas helps Mike Morjoseph with his Gnome



Above, Karl Hawley being timed by Henry Smith IV.



Above, Mike Morjoseph holds the sad remains of his AVA that broke a spar on launch.



Presidents Message

Two weeks ago I helped out at the RES bent wing contest. I had a good time. It was a nice relaxing contest. Next year I'll take the club glider trainer out and compete. These glider guys are slowly working me into a non-power person. Well maybe motor glider. Several members have proposed donations to move the runway and build a better flying site (see minutes from last month's meeting). It is under the condition that it gets done by the end of the year. I'm willing to do this. I will need help and I'd like it from outside of the group of regular volunteers we get. If you'd like to see Fairview Park become an exceptional flying site please contact me. I'm looking forward to the O.C. Fair and working with scale squadron to promote our fantastic hobby to future generations.

Keep up the good times and I'll see you around the pits

Henry Smith IV, HSS President

2011 HSS Membership

Our 2011 HSS membership enrollment season is in full swing. A membership application and optional member survey is included in the last pages of this newsletter. These can be mailed in to our post office box shown on the last page, or given to a club officer. Alternately, HSS and AMA membership applications can be obtained from any club officer, or available on our club web site at www.1hss.org. Applicants must be members of the AMA prior to joining HSS. AMA Membership applications can also be obtained at the AMA web site www.modelaircraft.org. Download document No. 902 from the publications page. And, don't forget your City of Costa Mesa Flying Permit. Details are shown below.

2011 Park Permits Available Now

Robert Staples has sent us the announcement (below) stating that City Flying Permits are available now for \$20 per year. Remember to bring your new AMA license.

RENEWAL NOTICE:

The City of Costa Mesa will be accepting renewals for the 2011 Flying Permits beginning Monday, October 25, 2010, at the following locations:

Costa Mesa City Hall (77 Fair Drive, Costa Mesa 92626) – 3rd floor Recreation Counter, during regular business hours from 8:00am – 4:30pm (excluding City observed holidays). Call 714-754-5300 for details.

Temporary permits are issued at the Downtown Recreation Center (1869 Anaheim Avenue, Costa Mesa 92627) between the hours of 10:00am – 1:00pm on Saturdays. For information, call 714-327-7560.

Thanks for all your help,

Joyce M. Santos Administrative Secretary - City of Costa Mesa - Recreation Division
77 Fair Drive, Costa Mesa 92626
Phone: 714-754-5009 Fax: 714-754-5166

Note that to fly at Fairview Park you need the above permit, liability insurance (preferably AMA), and you need to follow City of Costa Mesa Ordinance No. 07-01, City Regulations for Issuance, Suspension and Revocation of Permits to Fly at Fairview Park, Academy of Model Aeronautics Safety Code, and the Fairview Park Flying Field Rules which are all posted at Fairview Park and on our web site at www.1hss.org. You do not need to be a Harbor Soaring Society member (but it is good to have you join us).

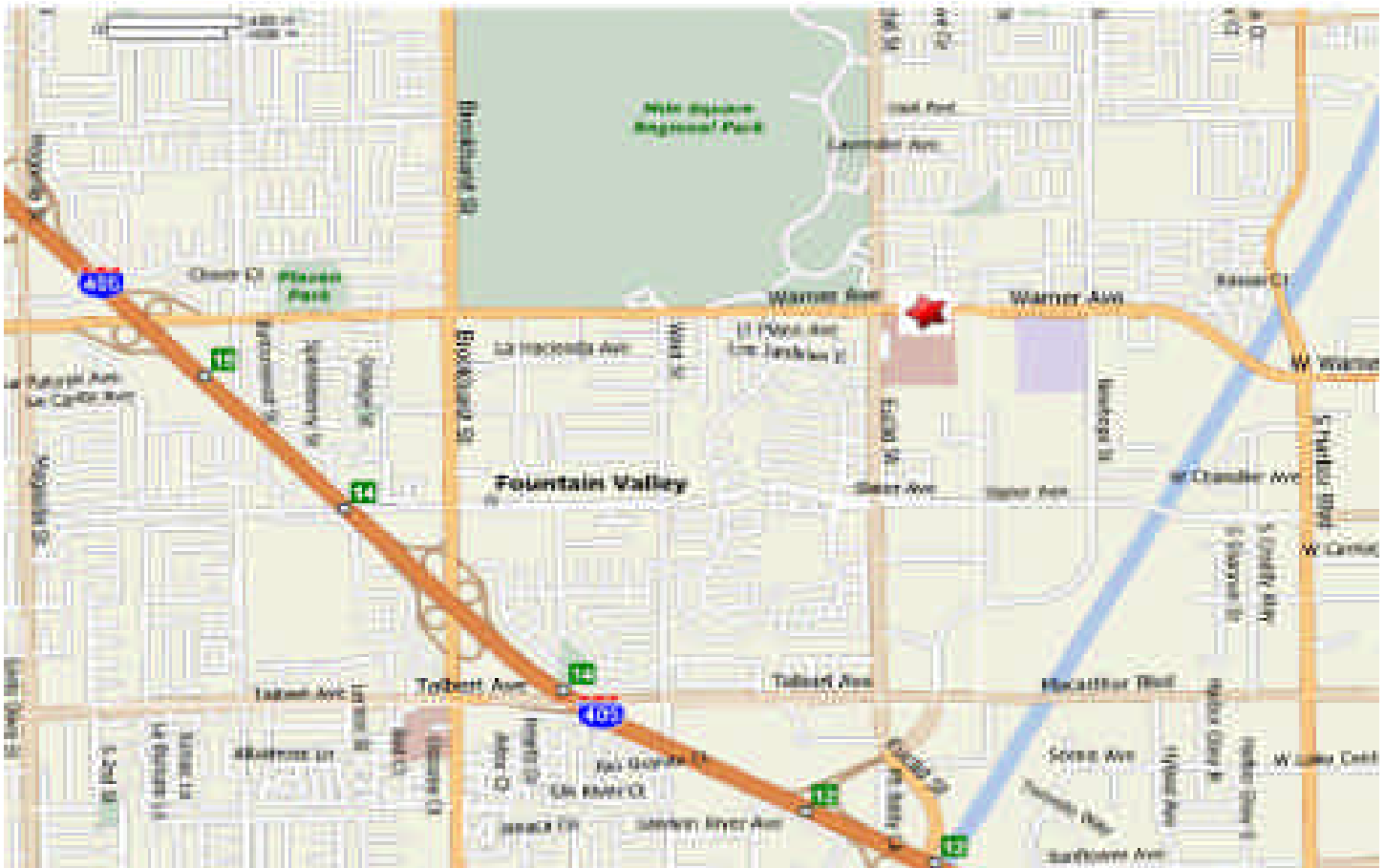
From the AMA Insider Magazine**Save the Date:**

AMA's 75th Anniversary Celebration, July 14-17, 2011. Obtain information at:
ama75.com.



July 5th General Meeting Notice

The next club meeting is Tuesday July 5th 2011, at ROUND TABLE PIZZA, 11095 Warner Ave. & Euclid (North-east corner) in Fountain Valley. Phone number is (714) 839-0276. The Family Night rate is all-you-can-eat pizza, plus one salad bar, for \$6.99. Fountain drinks are an additional \$1.99, self-service, or \$2.99 per liter. Beer and wine are available. Bring your wife, family, friends, etc. Bring along your favorite plane for show and tell. The meeting will be concluded with a raffle for the plane shown below. The location is shown in the map below. The executive/steering committee meeting begins at 6:15 PM.

**Raffle Prize for July 5th**

The raffle prize has a wing span of 60 inches. It has some servos, two wings, no motor or electronic parts. It looks like it was designed to be powered by fuselage-mounted pods with ducted fans, The pods are missing. Construction is plywood box-type, with plastic foam and shell around it. It will require a lot of work, so it's not for a beginner builder. It's apparently been crashed and repair work started. No plans are included.



General Director's Message

Any club members who would like one day entrance to the Orange County Fair should volunteer to work in the HSS/OCCRC booth on Saturday, 23 July. When you are not working your shift you will be free to visit the fair. Free parking is also included. This is a good opportunity for the club to recruit new members. If interested e-mail our President at <hank.4th@gmail.com>. In June we had another very fun session of indoor flying in the Tustin Dirigible hangar. Those of you who haven't tried this are missing out on lots of fun and meeting some very interesting and talented modelers. Elsewhere in this newsletter you will be able to read about another amazing indoor free flight record set during the weekend. HSS also had their annual Bent Wing contest for gliders. This was well attended. Big thanks to Jim Hanson for being CD. Until next month.

Henry Smith III, General Director

Fairview Park Activities

We have the following list of activities planned for Fairview Park by the City of Costa Mesa. Except as noted for the free concerts, these activities require closing our runway and concluding model flying from approximately 8:00 AM until noon or 1:00 PM. Flying may resume in the afternoon. Please use good judgment. Club management will post reminders at the field for each event at least one week in advance.

Tues.	July 5	Free concerts in the park. Field is used for parking so it is closed from 4 PM on.
Tues.	July 12	Free concerts in the park. Field is used for parking so it is closed from 4 PM on.
Tues.	July 19	Free concerts in the park. Field is used for parking so it is closed from 4 PM on.
Tues.	July 26	Free concerts in the park. Field is used for parking so it is closed from 4 PM on.
Sun.	July 31	14 th Annual Race sponsored by Estancia High School.
Tues.	August 2	Free concerts in the park. Field is used for parking so it is closed from 4 PM on.
Sat.	Sept 17	Annual Cross Country Meet sponsored by Orange Coast College.
Sat.	Oct. 8	Cross Country Meet sponsored by Vanguard University.
Sun.	Oct. 30	Annual Cross Country Meet.
Sun.	Nov. 6	O.C. League Cross Country Finals.

Southern California Soaring Clubs (SC-2) Competition Dates for 2011

SC2 - 2011 Contest Schedule			
Date	Club	Location	
February 27, 2011	Hosted by SWSA	Fish Canyon	
March 20, 2011	Hosted by DSH at SWSA	Fish Canyon	
April 17, 2011	Hosted by VVRC	Victorville	
May 22, 2011	Hosted by HSS at SWSA	Fish Canyon	
June 25, 2011	2 Day MoM hosted by SULA	Field of Dreams	pilot BBQ, Sat
June 26, 2011	2 Day MoM hosted by SULA	Field of Dreams	
July 17, 2011	MoM Hosted by VVRC	Victorville	
August 21, 2011	MoM Hosted by ISS	Riverside	
September 25, 2011	Hosted by TOSS	Thousand Oaks	
October 23, 2011	Hosted by TPG	Poway	
November 20, 2011	Rain Date		
December 4, 2011	Hosted by SULA and DSH	Field of Dreams	Toys-for-Tots

<http://site.sc2soaring.com>

locations unless otherwise noted - check website

SC-2 Competition Results for 25-26 June 2011

Results not posted.

JULY 2011



Plane of the Month

Gary Gullikson has just completed a year long effort on his Stinson Reliant. Gary and Ted Broberg provided the description and photos. This is a beautiful model with phenomenal detail including the interior.

Specs: Scorpion 3014-1040 outrunner, Scorpion 55 amp speed control with Park BEC, 11x 5.5 APC e-prop, 2200mah 30C Lipo pack. Hitec Optima receiver, six Hite HS-55 servos. Weight 52 ounces, Wing span 57.5 inches. Cabin is paneled and all RC gear and wiring are concealed under

the floor, and above ceiling. It has functioning doors with magnetic catches. Has seats with seat belts, instrument panel with control wheels, rudder pedals and simulated dome lights, hand straps etc. All cabin details are in "folk art style", not museum ready. Exterior details include a brass exhaust pipe, aluminum entry ladders, vacuum venturis. SR-7 mods include SR-7 windshield framing, cabin top reshaping, SR-7 instrument panel and dash. The model is based on Pepsi-Cola's 1937 executive/PR.



'Twas a foggy morning at Black Starr Canyon. The plane balanced slightly nose heavy at the point indicated on the plan. It took off and acted as if there was an anvil in the nose. I managed to land it giving up elevator all the while. I added more stick-on weight and the next flight was better. I plan to modify the battery box for better balance. Model does not seem to be stall prone and flaps work as expected at low airspeeds.



Great Idea From Inland Soaring Society

Annette Dora is one of the editors who shares newsletters with us. The July issue of Inland Soaring Society (ISS) just arrived, and here is an excellent idea for runway safety. The entire issue can be viewed at their web site www.glideiss.us.

They installed tubes in the ground to hold up plastic barrier fencing along the flight line. The tube tops are at ground level. Then they purchased posts that fit in the tubes and netting. When removed, there is nothing to trip passers by, and the protective barrier is not subject to vandalism. The inconvenience is daily installation and take-down of the safety barrier, but this would make our field more in compliance with AMA field safety requirements.

Another Indoor Glider Record

Jim Hanson provides the following report. Sunday June 12th at Tustin Hangar, a new indoor free flight world record (class F1N hand launched glider) by Stan Buddenbolm self-proclaimed Glider King 1:52 ... the thing just glides and glides ... didn't seem to get all that high to me. It appears to be below the catwalk which is at 125'. The ceiling is 145' at the center. It has a BIG glide circle. For all of you non glider people and R C flyers this is an example of pure building and flying skill. Check out the YouTube video. Some of you have already seen this so just enjoy.

<http://www.youtube.com/watch?v=DWpwLfVqBso>

Thanks, Jim – Ed.

New Hi Power Lithium Polymer Batteries

HobbyKing is now advertising 45 to 90C Lipo Packs. For example, a 2.2 A-hr 4S battery weighs 313 gms. At 90C (198 Amps), this battery will run 40 seconds. Years ago, Steve Neu pointed out that the higher the C rating of a LiPo the heavier the cell. This pack comes out to be 104 Watt-Hrs/Kg. The early Lipos rated at about 5 C gave 200 Watt-hrs/Kg. The latest NiMH cells are about 32 Watt-Hrs/Kg. LiFePO4 (A123) cells rate at about 80 Watt-Hr/Kg.

Student Flight Training

Our Introductory Pilot Instructors, Ted Broberg and Karl Hawley, have been hard at work, especially on weekends, helping visitors to our field learn how to fly. Below we have Ted with a student, and Karl instructing a young girl. Buddy boxes allow the student to fly through the instructor's transmitter, but can be instantly rescued in the event that the plane (or student) gets disoriented.



Discus Launched Glider

Doron Ben-Yehezkel was captured by Rob Askegaard as he executed a beautiful discus launch of his glider. This sequence of photos shows the vigor, footwork, and balance necessary for a good launch. Doron brings to mind the steps in ballet blended with the energy of a discus athlete. Hand launched glider flying is considered the ultimate training rigor for thermal soaring. A good launch only puts the glider up 60 to 90 ft. At those altitudes thermals are just forming, and one needs to develop great sensitivity to gain lift under these weak conditions. Doron looks spot on, and Rob's photos are outstanding. Thanks, Rob. - Ed.



Seen Around the Runway

To the right, we have Jim Ward holding his Piper L-4 with a 72" span - lookin' real good, but it unfortunately made contact with the hard ground.

Jim Hanson and his photo plane which he uses in the video mode. Hopefully Jim can provide some details about the plane, camera, and what is needed to produce finished video.

This is the Reno racer P-51 "Dago Red" flown by Doug Young. This is a VQ model powered by a AXI 4120 and weighs 7 lb with a 57" span.

Again, thanks to Rob Askegaard.



Southern California Activities Calendar

Tim Attaway is AMA Assistant Vice President for District X, and also a member of Silent Electric Flyers of San Diego. (SEFSD). Tim maintains a great events calendar on the SEFSD web site (www.sefsd.org) which can be accessed by bringing up the home page the point to Calendars and click on So Cal Events Calendar. a sample of events are shown below.

25-26 JUN	SULA MOM SC 2	SAN PEDRO CA
1-3 JULY	IMAC AND FREESTYLE CHALLENGE	PVMAC, CHINO, CA
9-10 JUL	ROTORS OVER MIRAMAR HELI FUN FLY	SAN DIEGO CA
16-Jul	SAN DIEGO SWAP MEET	CHULA VISTA CA
23-Jul	BATTLE OVER HEMET	HEMET MODEL MASTERS CA
23-24 JUL	CAMARILLO IMAC	CAMARILLO CA
22-24 JUL	LA JETS 3 DAY	APOLLO XI CA
5-7 AUG	ALL SCALE EVENT	APOLLO XI CA
21-Aug	BATTLE OF BRITAIN	FALLBROOK CA
26-28 AUG	THE BIG JOLT	PVMAC CHINO CA
27-28 AUG	TOP GUN PATTERN CONTEST	SAN DIEGO CA
3-Sep	HEMET MODEL MASTERS DAWN PATROL	HEMET CA
4-Sep	GIANT SCALE FLY IN	APOLLO XI CA
1-Oct	FALL FLOAT FLY	HERITAGE LAKE, CA MENIFEE
7-9 OCT	LA 3 D HELICOPTERS	APOLLO XI CA
1-2 OCT	PATTERN CONTEST	LANCASTER CA
15-Oct	OTAY LAKE FLY IN SOUTHERN CA	CHULA VISTA CA
22-Oct	DAWN PATROL	MENIFEE CA
27-Nov	LA JETS	APOLLO XI CA
4-Dec	TOYS FOR TOTS	PVMAC CHINO CA
11-Dec	PEARL HARBOR CLASSIC	FALLBROOK CA

Experimental Aircraft Association

A brief visit to the Experimental Aircraft Association (EAA) web site at www.eaa.org revealed a number of interesting topics, as follows.

The annual fly in at Oshkosh called 2011 AirVenture is scheduled for July 25-31, 2011. This is a really fun event if you can make it.



RECORD CLAIMED IN NEVADA SAILPLANE FLIGHT

Sailplane pilot Gordon Boettger, of Minden, Nevada, broke his own Northern Hemisphere soaring record on May 31 by flying a total distance of 1,401 miles in his Kestrel sailplane in 13 hours, 17 minutes. He and Hugh Bennett set the previous distance record of 1,367 miles on April 20. The flight was keyed by strong winds as high as 80 mph along his route on the east slope of the Sierra Nevada. His average speed was clocked at 110 mph.



International Space Station (ISS) Viewing

THE FOLLOWING ISS SIGHTINGS ARE POSSIBLE FROM MON JUN 27 TO SAT JULY 2 OVER ORANGE COUNTY.

Satellite	Local Date/Time	Duration (Min)	Max Elev. (Degrees)	Approach (Degree-Direction)	Departure (Degree-Direction)
ISS	Mon Jun 27/10:41 PM	< 1	24	18 above NNW	24 above N
ISS	Tue Jun 28/09:42 PM	3	15	11 above N	14 above NE
ISS	Tue Jun 28/11:16 PM	< 1	10	10 above WNW	10 above WNW
ISS	Wed Jun 29/10:20 PM	1	46	24 above NNW	46 above NNW
ISS	Thu Jun 30/09:22 PM	3	26	16 above N	20 above ENE
ISS	Thu Jun 30/10:57 PM	< 1	10	10 above W	10 above W
ISS	Fri Jul 01/10:01 PM	1	49	23 above WNW	49 above WSW
ISS	Sat Jul 02/09:03 PM	3	53	28 above NNW	19 above ESE

Follow these links to updated sighting dates and times.

http://spaceflight.nasa.gov/realdata/sightings/cities/view.cgi?country=United_States®ion=California&city=Huntington_Beach

<http://spaceflight.nasa.gov/realdata/sightings/help.html> for viewing tips.

The ISS was first inhabited in early November 2000.

The size of the station is hard to comprehend, even when you know it's 357.5 feet from end to end along the main truss, with a "wingspread" across it's solar arrays of 239 feet. It would cover an entire football field, including the end zones, and weighs nearly 1 million pounds (925,627 pounds at the time of completion). It has more internal volume than a typical five-bedroom home! The ISS is easily the brightest object in the night sky when it passes overhead while on orbit approximately 220 miles above the Earth

For high resolution down loadable images. in slide show format or individual photos go to:

http://www.nasa.gov/mission_pages/station/multimedia/e27depart.html

Full Size Electric Powered Aircraft

For the EAA competition info: <http://www.airventure.org/electric/prize.html> .

Electric Lazair Entered in EAA Electric Flight Contest

One entry in the EAA's \$60,000 Electric Flight Prize during AirVenture comes from a well-established design, the Electric Lazair, based on an ultralight designed more than 30 years ago by Dale Kramer, EAA 145132. Between 1979 and 1985, his company, Ultraflight, produced about 1,200 kits. Calling the twin-engine Lazair "an ideal vehicle for electric conversion," Kramer wrote that he has dabbled in trying to "electrify" one several times.

"Each time I was thwarted by many issues but this time I will do it," he wrote on the [RCGroups.com forum](http://RCGroups.com), citing an electric Lazair flying in England for a couple years using Predator motors.

He's drawing on the R/C world, which he said "has been invaluable to me in obtaining knowledge that I need to build this unique version of the Lazair."



Dale Kramer expects to fly his Electric Lazair on floats, but says first flights will be in wheeled configuration.



Here's the powerplant configuration Kramer has installed in his electric Lazair:

- Two 10-kilowatt Turnigy CA120-70 motors with 32-12 props reconfigured to WYE terminations
- Two JetiSpin OPTO 300 controllers
- 96 pieces of Zippy 5000 mAh cells arranged in six packs of 16s4p each.
- Six of FMAdirect PL8 v2 chargers, each one running off two 12-volt, 900-watt Dell Poweredge 6650 power supplies wired in series to get 1,800 watts at 24 volts.

Kramer's tests show he can expect close to two hours of flight endurance with one-hour recharges. He plans to fly the airplane this summer from his home in Hammondsport, New York, to the Atlantic Ocean, cross-country to the Pacific, then to Oshkosh before returning home.

Seen Around the Heli Pad

Below are some helicopter activities with a group picture of Will, Steve and Alex and a Logo 500 helicopter in action. To the right is a shot of something that doesn't exactly fly but it is very interesting. It's a unicycle that is electrically powered by Lithium batteries, is self-stabilizing, and requires no skills to ride. It will go 12 mph and moves forward when the rider leans forward a little and will go backwards by leaning back a little. There are no pedals to push, just foot rests to place your feet on. It operates similar to the Segway. It is shown being ridden by Steve Roy. Photos by Rob Askegaard. Thanks, Rob. - Ed.



Orange Coast Radio Control Club Field

Gary Gullikson does some flying with the Orange Coast Radio Control Club (OCRCC). They have private access to a part of The Great Park, where they can use some of the old paved runway that was El Toro Marine Base. Gary has provided the photo that includes the Great Park balloon, and the following comments.

No picnic tables, bring your own card table or work out of hatchback. Often windy/gusty after 10AM. Balloon is about 1/2 mile away from takeoff/land area. Larger ARF war birds are popular there, some 3D, some heli flying in adjacent area. Many fliers on weekends.

Thanks for the info, Gary. - Ed.

**Fantastic AMA Division X Newsletter**

Michael Brown of Bella Vista CA, is producing an AMA Division X newsletter. This massive 50 page effort can be read or downloaded at www.theclearimage.com. There are ten issues archived on the site, and Michael encourages photos and reports on local events. This is really well done. Great photos and content.

Next SC-2 Soaring Competition

Southern California Soaring clubs MoM Competition July 17th, 2011

Hosted by;

The Victor Valley RC Flyers

On the new, expanded, RC Soaring Field at the "Victor Valley RC Park"

Registration Opens at 8:00 AM

Pilot's Meeting at 9:00 AM

First Flight at 9:15 AM

Contest Director: Rick Pearson (AMA #9369), (951) 240-9704

3 Rounds Precision Duration

10 Minute

10 Minute

10 Minute

50 Point Tape Landing

10 Winches spaced 25ft apart with 600ft to turnarounds.

950 flight points and 50 landing points per round.

Restroom facilities are on site. No water is available, be sure to bring your own!

The field gate is near 7056 Arrowhead Lake Rd, Hesperia, CA 92345

GPS Coordinates

34.376, -117.250 or

34:22:35.75N, 117:15:00.50W or

34d,22m,35.84sN & 117d,15m,0.35sW

Directions;

Exit the 15 freeway at Main St. Hesperia and go east 9.5 miles. Main St. will turn right and become Arrowhead Lake Rd. Continue on, pass Hesperia Lake for half mile to the gate entrance on the left.

There is a large sign indicating the entrance. Follow the field road in to the field.

Please do not leave the field road. Drive straight in and then bend to the left.

Parking is along the East side of the parking area.

The field will be open by 7:00 AM and the winches will be set up by 8:00 for practice or fun flying.

The winches will be shut down at 8:45.



Some More Model Aviation Humor

When your wife cleans up after you messed up the lounge, the pieces of balsa she throws away are the parts you need.

Corollary: The parts she lovingly saved for you is the scrap. (PS don't tell her otherwise the next time the wings will go out with the good parts).

Murphy's Law on learning to start engines, "You Bleed. You learn".

If you cut your finger while starting an engine, all the plasters in your box will have "Goofy" printed on them.

When your throttle linkage fails you will still have a full tank, it never fails on an empty tank (ask Damion (PRF).....20min @ 150 km.ph)

The expensive kit you just bought is on sale for half price at the other dealer.

Murphy's law of Engines :

- : You will always purchase the "New model" a week before the "New New" model goes on sale.
- : The engine on sale is always one size too small, or too big for the model you just built.
- : After hours of setting, changing pipe lengths, new fuel mixes, and volumes of "Colorful adjectives" you bring the settings back to where they were in the first place, everything works.

The probability of an engine quitting is directly proportional to the distance the airplane is from the landing area.

Murphy's law of "take offs"

- : The only molehill on the runway will get in your way....Splat .
- : An engine that ran perfectly for months will splutter & die as you lift off. (At a comp).

Murphy's law of Landings

- : If you missed the molehill on take-off it will get you on landingSplat .
- : If it's not a tail dragger, it will be.

Murphy's law of Transmitters

- : The one function your computer radio does not have is the one you desperately need.

Murphy's law of Frequency

- : If a beginner joins the club it will be on your Spot.
- : If there are 5 flyers at the field, 3 will be on the same spot.
- : When visiting another flying club yours is the spot they have the most interference on, they don't tell you until you "Splattered", they then say "What did I tell you! The interference is still there", and then warn you about that spot.
- Nothing is easy as it looks.
- When things go wrong, that cannot possibly go wrong, it's usually impossible to repair.

Murphy's law of Covering

- The right way to cover a certain shape is always found out the day after you just covered it the wrong way.

Murphy's law of Helicopters:

(Actually this is a trick question. Anyone who has tried to fly a model helicopter for the first time knows full well that helicopters are a law unto themselves!!)



Plane Rap Classified Ads and Services - For Sale

Ralph Blakemore has requested assistance in selling 9 electric powered airplanes and sailplanes. Ralph reports: All are low time and look like new.

They are a Hyperion Yak55, Hyperion Spitfire, SIG Rascal 40, Fliton 30 F3A, Dragonfly Strong, Experience Pro 3.3 X-Tail (NIB with motor, prop, servos), Bingo, Fly-Q, and a Bullet.

If anyone in your club is interested in buying one or more of these, please ask him/her to contact me at degoute@alpinewireless.com or (661) 821-7492.

Best Regards, Ralph Blakemore AMA871024, Tehachapi, CA

Photos are posted at www.1hss.org on For Sale page. Call first to confirm availability. **Note: Most have sold.**

Contact: degoute@alpinewireless.com

Airplanes		
	Asking Price, \$	2011 Supplier Price, \$
Fliton 30 F3J (Hacker 30 10XL Motor, Hacker 40SB Pro ESC, Spektrum AR7000 Receiver, 4 Hitec 81MG servos, Prop and Spinner)	250 SOLD	510
Hyperion Spitfire (Hacker 30 10XL Motor, Castle Phoenix 60 ESC, UBEC, Spektrum AR6200 Receiver, 3 Hitec MG servos, Gear Retract servo, Graupner 10x7 3 Blade Prop, TruTune Spinner)	320 SOLD	620
Hyperion YAK 54 (Hyperion 24020-14 Motor, Hyperion 80 ESC, UBEC, Spektrum AR7000 Receiver, 4 Hitec servos, Prop & Spinner)	315	630
Sig Rascal 40 (Hacker 30 10XL Motor, Hacker 40SB Pro ESC, Hitec Fusion Receiver, 4 Spektrum Digital servos, Custom Landing Gear, TruTune Spinner)	325	670
Helicopter		
	Asking Price, \$	2011 Supplier Price, \$
Align T-Rex 500e (BL300L Motor, BL79G ESC, Spektrum 6200 Receiver, Digital servos, FG5000 Heating Lock Gyro, 550 Mavrik Blades, Unpainted Spare Canopy)	395	940

Sailplanes		
	Asking Price, \$	2011 Supplier Price, \$
Bingo (Hacker 30 12XL Motor, Hacker 40 Opto Pro ESC, UBEC, Hitec Fusion Receiver, Hitec MG servos, 16x10 Carbon Prop and Spinner)	495 SOLD	1,085
Bullet F5B (New 1105/2.5Y-4000 Motor, Maxon 4.4:1 Gearbox, Castle Phoenix 60 ESC, Hitec Fusion Receiver, 5 Hitec servos, 13x9 Carbon Prop and Spinner)	375 SOLD	910
Dragonfly Strong (Hacker B50 15S Motor, Gearbox 6.7:1, Hacker Master 70 ESC, UBEC, Hitec Fusion Receiver, 6 Hitec MG servos, Carbon Prop 16x10 and Spinner)	650 SOLD	1,490
Experience Pro x-Tail (New-in-box: New 1509/1.5D-4500 Motor, P42 Gearbox 6.7:1, Castle Phoenix 125 ESC, UBEC, Hitec Fusion Receiver, 6 Hitec MG servos, Carbon 17x10 Prop and Spinner)	1,250 SOLD	2,030
Fly Q (HiMax HC2016-0850 Motor, Castle Thunderbird 18 ESC, Hitec Receiver, 4 Hitec MG servos, Carbon Prop 12.5x7 and Spinner)	250 SOLD	540



Plane Rap Classified Ads and Services - For Sale (Continued)

This area of the newsletter is free to club members to sell planes, related equipment, and services. Contact Fred Hesse at fhesse@socal.rr.com with any material that you wish to insert here.

- **Custom laser cutting services** are now provided by GDH Planes, in addition to manufacturing kits. With the currently weak Canadian dollar (we are a Canadian company), it is a great time to use our services and take advantage of the exchange rates, adding to our already reasonable rates (US\$1 is currently equal to about \$1.157 Canadian). Should any of your members require this service, please have them visit our web site at www.gdhplanes.com or email us at LaserCutting@gdhconsulting.ca.

Regards, Glen Harbottle President GDH Consulting Corp. Tel: 905-668-2326 glenh@gdhconsulting.ca

HSS Sponsors

The following companies are the proud sponsors of Harbor Soaring Society. They give us special offers, and make contributions to our Adopt-A-School program. In return, please support them, and mention that you saw them advertised in the HSS Plane Rap newsletter.

ROB'S R/C HOBBIES

Sales / Parts / Repair

**Radio Control Airplanes, Helicopters, and Cars.
15071 Goldenwest St. Huntington Beach
S.W. Corner of Goldenwest & Bolsa Ave
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All HSS Club members with proof of club membership, will get a 10% discount on most parts and accessories. Discount does not apply to plane kits, helicopter kits, radios, and other already marked down products. Please ask staff if you have any further questions.

Robsrchobbies.com

robsrchobbies@earthlink.net



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23052 LAKE FOREST DRIVE, UNIT 2-C

(Lake Forest Drive and Moulton Parkway, by the 5 Freeway)

LAGUNA HILLS, CA 92653

Phone: 888-748-7697

www.gyrohobbies.com



MEMBERSHIP APPLICATION 2011

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

AMA's Oldest Chartered Soaring ClubSilver Leader Club Since 2009

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

NAME _____ Home Ph.# _____

ADDRESS _____ Work Ph. # _____

CITY _____ STATE _____ Zip _____ E-MAIL _____

AMA # _____ (PROOF OF STATUS REQUIRED, Xerox copy OK)

DATE OF BIRTH _____ Frequency channels used ____/____/____/____

- ☐ NEW APPLICANTS (Without Name Tag)--(17 years and older) = \$20.00
☐ SENIOR MEMBER (Renewal W/O Name Tag)(17 years and older) = \$20.00
☐ JUNIOR MEMBER -----(16 years and under), = \$10.00
☐ Optional or Extra HSS Name tag----- = \$15.00; including mailing
☐ I hereby give my permission to publish my [NAME], [ADDRESS], [PHONE], [E-MAIL ADDRESS] in the monthly newsletter. (Strike out any element of personal information that should not be published). Note that newsletter is published on club web site.
☐ I request E-mail delivery of the monthly newsletter. (Include E-mail address above.)
☐ I request printed copy of the monthly newsletter by U.S. Mail. Printing and mailing = \$20/year.

My interests in radio control flying include (Check all that apply including future interests):

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

Applicants making application for senior membership between July 1st and October 31st pay a reduced rate of \$10.00 (Name tag extra). New applicants making application between November 1st and December 31st will pay the annual rate indicated above and such dues will make the new member paid in full from November 1st through the following year. A signature is required from all Harbor Soaring Society members, and applicants, agreeing to comply with the current AMA Safety Code and the current HSS General Field rules and Field Safety Rules. Note that a City of Costa Mesa permit is required to fly at Fairview Park. Obtain this from the Costa Mesa Parks and Recreation Department. Cost is \$20

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

SIGNATURE: _____ DATE _____

Total dues owed and attached: \$ _____

SIGNATURE OF CLUB OFFICER RECEIVING APPLICATION _____



HSS MEMBERSHIP SURVEY – 2010 - 2011

Please take a few minutes to share your flying-related information with the HSS board so that we can better maintain and enhance the enjoyment of flight for you and all Fairview flyers. Thanks!

Name _____ Date _____

1. What kind of RC flying/planes do you enjoy? (1=favorite, 2=next, etc):

Glider: Winch launch___ Hi-start___ Slope___ Hand-launch___ Other _____

E-power: Powered Sailplanes___ Scale___ Sport___ Acrobatic___ 3D___ Speed___ Helicopter/autogyro ___

Other-such as _____

2. Where do you prefer to fly at Fairview? (1, 2, 3, etc) Sailplane area ___ Slope ___ Runway ___ Other ___

3. Which days do you usually fly? Weekday___ Saturday___ Sunday___

4. When is your usual time? Early AM___ Mid-late AM___ Noon___ Early PM___ Late PM___

5. How often do you usually fly? Almost Daily___ Two-three days/week ___ Every week or so___ Less___

6. At the field what do you prefer to do? Mostly fly___ Mostly socialize___ Both equally___

7. What kind of activities would you best enjoy at the field? (1=favorite, 2=next, etc):

Contests___ Which kind? _____

Fun flies___ Swap meets___ Displays___ Airshows___ Social activities___ breakfasts___ BQ lunches/dinners___

Other-such as _____

8. Do you often fly at some other site(s)?___ **9. Where?** _____

10. Do you belong to any other RC club(s)? ___ **11. Which?** _____

12. Do you read the HSS Plane Rap ___ Comments? Suggestions _____

13. Do you visit/use the HSS web site? ___ Comments? Suggestions? _____

14. Do you attend HSS meetings? Usually___ Sometimes___ Seldom___ Never___

Comments? Suggestions? Speaker/Subject Ideas? _____

15. Are you retired? ___ **16. Do you have any special skill, expertise, experience or time which you might share?**___ What? _____

17. Would you help out occasionally with small simple club projects (one-two hours)? ___

18. Would you consider donating planes, equipment, funds or other for club purposes? ___

Comments? Suggestions? _____

19. What can the club do better as to the field, membership services, etc? Comment? Suggestions? _____

20. Would you consider serving as a HSS board member? ___ **Contest Director?**___ **Trainer?**___

Committee member? ___ **Special Projects helper?**___ **Meeting speaker?** ___ **Other?** _____

Thanks for your info! Please: respond as instructed in the on-screen survey; or email via: www.1hss.org;

Or mail to: Harbor Soaring Society . P.O. Box 1673 . Costa Mesa, CA 92626



HARBOR SOARING SOCIETY OFFICERS FOR 2011

President	Henry Smith IV	714-865-9624	hank.4th@gmail.com
Vice President	Chris Adamczyk	949-760-5038	czyk@sbcglobal.net
Treasurer	Dennis Anderson	714-531-1320	dba999@pacbell.net
Secretary	Ted Broberg	714-235-6430	tbroberg@earthlink.net
General Director	Henry Smith III	714-838-3964	henry.smith.3@earthlink.net
Contest Coordinator	Jim Hanson	949-294-8365	tog4rc@pacbell.net
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Web Site Administrator	Henry Smith III	714-838-3964	henry.smith.3@earthlink.net
Winch and Key Master	Karl Hawley	949-232-4590	kvhawley@yahoo.com

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

NEXT CLUB MEETING WILL BE:

TUESDAY JULY 5TH, AT ROUND TABLE PIZZA, 11075 WARNER AVE.

FOUNTAIN VALLEY, 7 – 9 PM. ALL YOU CAN EAT \$6.99.

BRING YOUR WIFE, FAMILY, AND FRIENDS FOR DINNER. THERE WILL BE A SPECTACULAR RAFFLE, AND SHOW AND TELL. SEE DETAILS AND MAP TO LOCATION ON PAGE 7. SEE THE COLOR NEWSLETTER SENT BY E-MAIL AND AVAILABLE ON OUR WEB SITE.

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

