



Harbor Soaring Society

Charter #128 Costa Mesa, California
 AMA's Oldest Radio Controlled Soaring Club
 Silver Leader Club Since 2009



HSS PLANE RAP NEWSLETTER

HSS is the oldest AMA chartered R/C Soaring Club in the USA. Founded 1964
 Silver Leader Club since 2009, Gold Leader Club 2011-2013, 2015-2016.

June 2016

HSS IS NOW OVER 52 YEARS OLD!

Volume 53

The next HSS General Meeting is rescheduled from Tuesday June 7 to Thursday June 2. UC Irvine Design team will make a presentation.

Plane Rap Index

Check out the following articles:

- May 3 General Meeting Minutes P.2-3.
- May 3 Steering Committee Minutes. P.4,
- HSS Membership. P.4.
- Bruce Schaefer's Wife Robyn. P.5.
- Int'national Hand Launched Gliders. P.5.
- Peterson/Broberg J-3 Cub. P.6.
- Fairview Park Weather Station. P.7.
- Fun Flight in a B-24. P.7-8.
- Chino Air Show. P.9.
- SC2 Competition Schedule. P.10.
- May 15 SC2 Competition Results. P.10.
- HSS Hosts 5th SC2 Competition. P.11.
- Lithium Battery Shipping Rules. P.12-13.
- 42 Years of Plane Rap Archives. P.13.
- Seen Around the Field. P.13.
- City Flying Permits. P.14.
- Contributions to Newsletter. P.14.
- Photos of Your Planes. P.14.
- Next Meeting Announcement. P.15-16.
- Raffle Prizes. P.17.
- Ads and Services. P.18.
- HSS Sponsors. P.18-19,21.
- HSS Membership Application. P.20.
- HSS Officer Contact Information. P.22.

Coming Events and Soaring Competitions

June - August 2016

- Thursday June 2, 2016. HSS monthly meeting, Round Table Pizza, 11095 Warner Ave. General meeting, 7 PM. UC Irvine Design team will make a presentation. See P.15-16 for details.
- Sunday June 19, 2016. 5th SC2 competition. Hosted by HSS at Fairview Park, Costa Mesa.. www.harborsoaringociety.org. See P.11 for details. Members needed to assist the event.
- Tuesday July 5, 2016. HSS monthly meeting, Round Table Pizza, 11095 Warner Ave. General meeting, 7 PM. See P.15-16 for details.
- Saturday July 23, 2016. Hot Dog Day for HSS members at Fairview Park. Fun fly, free drinks.
- Tuesday August 2, 2016. HSS monthly meeting, Round Table Pizza, 11095 Warner Ave. General meeting, 7 PM. See P.15-16 for details.
- Saturday Aug. TBD, 2016. Flying Safety Seminar will be held at Fairview Park. Event open to all.
- Saturday Aug. 13, 2016. Community Open House at Fairview Park. Flying lessons, demonstrations for schools and local groups.



HSS General Meeting Minutes for May 3, 2016

The General Committee meeting of HSS was held at Round Table Pizza, Fountain Valley, CA. The meeting convened at 7:00 P.M. on Tuesday May 3 2016, Joni Whitsitt, President, presiding.

Board and Steering Committee Member in attendance were: Joni Whitsitt, Fred Hesse, Bruce Gale, Jim Hanson, Ted Broberg, and Henry Smith III.

Guest Speaker:

Joni introduced Alexander Scott, an Orange Coast College student she met at the Imaginology event, along with members of the OCC STEM Club. Alexander was accompanied by Jesus Romero and Kit Kerames

Alexander spoke about the general purpose of the club, and their current flying wing project, "The VERSA WING". Club members build this single wing, remote controlled aircraft, test it, and demonstrate it will fly. When successful, they are free to innovate on the design.

Following the flying wing project, students will take on the challenge of building a heat-seeking quad copter that runs autonomously for search and rescue. Working together with Vital Link, this project will test their skills using ground and aerial robots to find and identify simulated human survivors. In their final project, the STEM club would like to build a dirigible drone.

The students are hoping to tap into the vast knowledge and experience of HSS club members to help them learn how to fly safely and successfully, and to offer mentoring and engineering guidance for their projects. Club members responded enthusiastically providing pointers to improve the structure and flight characteristics of their flying wing. The club also offered to flight training at Fairview Park, and several members gave students their contact information to provide further support.

Reports:

John Anderson reported on the great popularity of the aeronautic activities at the Imaginology event, such as the control line flying sponsored by the Knights of the Round Circle. HSS, in its second year at Imaginology, saw approximately 450 kids enthusiastically participate in the build and fly activity and flight simulation. Many organizations such as CAP and other groups in the modeling community partnered for this a great event. This is really an exciting activity inviting broader HSS participation, and if Joni has her way, the whole hanger will be dedicated to aeronautics next year!

Upcoming Events:

The General Meeting date for June is changed to Thursday, Jun 2, 2016 in order for the club's guest speakers, the UCI Design/Build/Fly Contest Team to make a presentation.

Hot Dog Day at the flying field is scheduled for July 23, 2016

The Bent Wing R.E.S (Rudder, Elevator, Spoiler) and Woody Sailplane Contest is scheduled for Sep 11, 2016.

The next SC² (Southern California Soaring Clubs) contest is scheduled for Sep 18, 2016.

Show N' Tell

1. Ted Broberg introduced Jim Peterson to talk about 1/4 scale, J3 Cub purchased from a hobby store that went out of business. Ted did an expert job assembling this plane from an ARF kit. The maiden flight is scheduled for May 4, 2016. The club wishes them well!
2. Jim Hanson passed around some sample pieces from his new laser engraver.

Randy Wilbur talked about needed modifications to the landing gear for the Dauntless he showed at last month's meeting. Randy has to reinforce the landing gear to stiffen it, and solicited advice from HSS members.



HSS General Meeting Minutes for May 3, 2016 (Continued)

Opportunity Drawing:

Item:	Donor:	Winner:
Spektrum DX5e radio	Anonymous	Charlie Siegfried
Foam safe glue	Hobby People	Alexander Scott
Servo tester	Hobby People	Rob Lee
ParkZone one cell charger	Anonymous	John Anderson
Small servos	Anonymous	Dick Baxter
Medium servos	Anonymous	Ryan McMinimy
Large servos	Anonymous	Ralph Siegfried
X-acto knife blades	Anonymous	Jesse Calleros
Slope glider	Anonymous	Alexander Scott
Discus launch glider	Anonymous	Jeff Green
Power glider kit	Anonymous	Jesus Romero
Merlin power glider	Tom Cody	Bruce Gale
Autographed magazine	Anonymous	Randy Wilbur
Magazine	Anonymous	Jim Peterson

Members in Attendance:

Bruce Gale, Sec.	John Anderson	Ross Thomas
Charles Siegfried	Joni Whitsitt, Pres.	Greg Stone, Dist. X Assoc. VP
Dick Baxter	Ralph Siegfried	John Ursan (guest)
Fred Hesse, Editor	Randy Wilbur	Alexander Scott (guest)
Henry Smith III, VP	Rob Askegaard	Jesus Romero (guest)
Jeff Greene	Ryan McMinimy	Kit Kerames (guest)
Jesse Calleros	Ted Broberg	Jim Peterson
Jim Hanson, Treas.	John Rittenhouse	

The meeting was adjourned at 8:10 PM.

Respectfully submitted,
 Bruce L. Gale, Secretary
 Harbor Soaring Society



HSS Steering Committee Meeting Minutes for May 3, 2016

The Steering Committee meeting of HSS was held at Round Table Pizza, Fountain Valley, CA. on Tuesday May 3, 2016. The meeting convened at 5:03 P.M. Joni Whitsitt, President, presiding.

Board and Steering Committee Member in attendance were: Joni Whitsitt, Fred Hesse, Bruce Gale, Jim Hanson, Ted Broberg, and Henry Smith III.

Old Business:

Members approved filling the vacant Secretary position with Bruce Gale.

Members approved accepting the resignation of Jim Hanson as Safety Officer.

There ensued a brief discussion about the discomfort of Safety Officers confronting filers violating the field rules. Joni will meet with Park Ranges to discuss the issue.

The review of flying field rules was placed in abeyance. Joni will create a committee to discuss the rules.

Discussion on the resignation of Jesse Calleros as Opportunity Drawing Chairman, identifying a new chairman, and storage for donations was placed in abeyance.

New Business:

The Flight Safety Seminar will move to a date in Aug 2016.

The General Meeting date for June is changed to Thursday, Jun 2, 2016 in order for the club's guest speakers, the UCI Design/Build/Fly Contest Team to make a presentation.

Hot Dog Day at the flying field is scheduled for July 23, 2016. Jim Hanson will get a permit from the City of Costa Mesa for the shelter house.

The Bent Wing R.E.S (Rudder, Elevator, Spoiler) and Woody Sailplane Contest is scheduled for Sep 11, 2016. Jim Hanson will work with Irv Szego on this event.

The next SC² (Southern California Soaring Clubs) contest is scheduled for May 15, 2016.

Joni Whitsitt sent an e-mail to Robert Staples, Fairview Park Plan Administrator in the Department of Public Services, requesting approval to paint the container. A group of HSS members have already volunteered to provide the labor. If permission to paint the container is denied, the club may need to replace it.

Still to be confirmed if the Friends of OC Parks, Harbor & Beaches Meeting is scheduled on Friday, May 13, 2106, from 9:00am – 12:00 noon.

The Steering Committee meeting was adjourned at 6:30 PM.

Respectfully submitted, Bruce L. Gale, Secretary

Harbor Soaring Society

HSS Membership

Our 2016 HSS membership enrollment season is in full swing. Note that the new membership rate of \$25 per year is now in effect. A membership application is included in the last pages of this newsletter. These can be mailed 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.harborsoaringsociety.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. Or you can apply on line. If you renew your AMA membership online, be sure to print the receipt that they provide as proof that you joined. And, don't forget your City of Costa Mesa Flying Permit. Details are shown on page 12 of this newsletter.



Bruce Schaefer's Wife Robin

Last month we had reported that Bruce Schaefer's wife Robyn had passed on. Services were held after the newsletter had been completed. Since then, a number of HSS members attended the services. Here are their comments.

Ted Broberg wrote:

On Saturday, April 30, 2016, memorial services were held at Garden Grove First Baptist Church for Bruce Schaefer's wife Robyn. As friends and family entered, music by Grieg, Faure, Rachmaninoff, Lauridsen, and Rimsky-Korsakov filled the air. Pastor Wade welcomed the congregation, and explained that the service would be handled by Marcus Hill, Robyn's brother-in-law, as Pastor Wade felt he would choke up too much. For 22 years, through weddings, funerals, and church services, Robyn had served beside him on the platform, assisting him in the worship services. Many family members of all ages took part in the time of remembrance of a beautiful life. A slide show portrayed her rich life with Bruce and their children's experiences. Scripture readings, hymns, and a gospel message were followed by a luncheon in the downstairs fellowship hall, provided by members of the church where the family has attended and served for years.

Joni Whitsitt wrote:

I did not make a list of the attendee, but I remember some of the guys that attended. Jim Sonnenmeier, Erv Szego, Ross Thomas and his Lady Friend Maxine, Todd MacAndrew, me and Ted.

Again, condolences to Bruce from all HSS members.

International Hand Launched Glider Festival

Discus launched glider enthusiast Richard Odle attended the International Hand Launched Glider Festival held by Torrey Pines Gulls on May 14-15. Dick was one of 66 pilots (he almost got first place - joke) from a large group of international competitors. Links to results may be found at www.torreypinesgulls.org.



Maiden Flight of the Peterson/Broberg J-3 Piper Cub

On Wednesday, May 4, several fliers took turns flying the quarter-scale J-3 CUB that Jim Peterson and Ted Broberg build this year. Henry Smith 3 and 4 did a complete range test of the radio system, and Henry 4 did the maiden flight in moderately heavy wind. Henry made some quick trim adjustments, and made a flight of eight or nine minutes before handing it off to Ted, then Henry 3, then new flier Ryan McMinimy, then Bob McKenzie. Rob Askegaard took photos. Jim P., the owner, had to leave before he could take the controls, to help a friend get to a dental appointment. Everything went well but for two minor glue problems that were quickly mended.

The plane is a Great Planes 1/4 scale PIPER J-3 CUB; 8.25 pounds, 81" wingspan; E-flite Power 52 brushless motor, 540 kV; two 3s, 3,000 mAh LiPo batteries from Hobby People in series. Two SPEKTRUM DX-8 transmitters (early version), AR6000 receiver with satellite RX; four HI TEC HS 325 analog servos.

We have not added flaps or floats, but may do so "when his rich uncle gets out the poor house."

With 940 Watts, the plane had plenty of power (114 Watts per pound). It took a bit of elevator in turns, as well as a bit of rudder to keep the nose from yawing out. It likes a bit of power during landing to keep the controls sensitive. It's no "3-D" ship, but, hey, it's a CUB.

Thanks to Ted Broberg for this write-up, and Rob Askegaard for the photos.. - Ed.



The Cub at Ted Broberg's house (A Brophoto photo).



Ted Broberg and Jim Peterson with the J-3.



Henry Smith III checking the center of gravity prior to first flight.



AMA District X Website

AMA District X Vice President Lawrence Tougas wants to invite AMA members from all districts to enjoy District X's new website. "We have a lot of great articles in our blog, plenty of pictures in our photo albums, and a spot where you can learn more about our associate vice presidents and myself," says Lawrence, District X VP. All of the information is at www.ama10.org. Why not consider helping your district with its website.

HSS on Facebook

Our new Social Media Manager, David Miller, sent out the following announcement.

I wanted to announce our Facebook page has been launched. The address is www.facebook.com/harborsoaringsociety. If you're on Facebook, please join and share our site/page.

A project we should work on is a Press Release. I would like to develop a press release to announce our new website and new Facebook page. I would like to send this to the AMA marketing department for assistance announcing our great move forward.

Fairview Park Weather Station

Jim Sonnenmeier suggests that HSS utilize the very excellent weather station located at Waldorf School. Try this web site as it has an amazing amount of detail, both historical and predictive. There is even data that suggests good flying days and hours for slope soaring. This link will also be featured on our web site.

<https://www.wunderground.com/cgi-bin/findweather/getForecast?query=pws:KCACOSTA18>

A Fun Flight in a B-24.

The Collings Foundation out of Stow, Massachusetts, is touring the West Coast recently, and our club photographer, Rob Askegaard took the opportunity to take a ride in their B-24. Here is his report and photos.

My ride was shared with my good friend Haig Yacoubian who I used to work with at Boeing in Long Beach. We arrived at Lyon Air Museum about 8:30 AM on Saturday, May 7 and signed in and paid our money (\$450) and received our tickets. We visited with several WW II veterans then went outside to the ramp and looked at the B-17, B-25 and P-51 parked there. They soon started giving rides on those planes but we B-24 passengers had to wait for a while until the B-24 arrived from Chino. They needed to repair the exhaust pipe on one of the engines. The plane arrived OK and we got our pre-flight briefing about 12:00 and we soon boarded. Three of us were located forward just behind the flight deck and a bit lower near the upper gun turret. The other passengers, seven in all, were located aft of the bomb bay near the ball turret. I could see the bomb bay from where I was sitting, buckled in and after we taxied to the run up area the bomb bay doors were closed. On the take off run I couldn't watch what was going on outside - no windows there. Once we climbed out we took turns crawling forward through a passageway to the nose of the plane and experienced flight in the bombardier's position and the nose turret gunner's position - quite a view through the nose Plexiglas. Then I went aft on the bomb bay catwalk thru to the mid fuselage area where we got to experience the open waist gunner's windows each with a 50 Cal machine mounted. The views inside and outside were very good. It was fun looking out the waist windows to see the engines churning away. The noise was enjoyable but I suppose if it were a 8 or 10 hour mission it would get kind of old. Nobody is allowed in the ball turret however it's OK to go all the way back to the tail gunner's turret. It seemed a little breezy back there and the ride was a little wavy but it was OK. We flew out from John Wayne airport and along the coast and out over the ocean, saw Long Beach, the harbor area, Palos Verdes then turned back over Seal Beach, Bolsa Chica State Beach, Huntington harbor, HB, South Coast Plaza and lined up for the landing which was very smooth. It was a very interesting and enjoyable flight - it went too fast for us airplane nuts. Check one off of my bucket list.

Thanks Rob for the great report and spectacular photos. Wish we were there. - Ed.



A Fun Flight in a B-24. (Continued)



The B-24 coming to take Rob for a flight.



Hero pilot before takeoff.



Looking out from the top observers hatch.



Winging out over Long Beach.



The Norden bombsight from the bombardier's station.



The tail gunner's turret.



Chino Air Show

The Chino Air Show was held Friday April 29 through Sunday May 1 at the Chino Airport, and as always our star photographer was there to catch the action. Below left are lots and lots of P-40's. Below right is a fly bye of a C-47. More below is a P-38, and bottom is a Spitfire Mark V. Thanks Rob. - Ed.



SC2 Competition Schedule for 2016

Soaring Clubs of Southern California (SC2) posted the 2016 competition schedule at sc2soaring.com. All dates are on a Sunday. Be sure to reconfirm the following events at the SC2 web site or the club web sites.

- Feb. 28. Hosted by Silent Wings Soaring Association (SWSA) Azusa/Covina. www.silent-wings.org.
- Mar. 20. Hosted by Downey SoarHeads (DSH) at Fairview Park. downeysoarheads@yahoo.com
- April 17. Hosted by Silent Wings Soaring Association (SWSA) Azusa/Covina. www.silent-wings.org.
- May 15. Hosted by Victor Valley RC Flyers (VVRFCF). Victor Valley RC Park, Hesperia. www.vvrcf.org.
- June 19. Hosted by Harbor Soaring Society (HSS), Fairview Park, www.harborsoaringsociety.org.
- July 17. Hosted by Inland Soaring Society (ISS), Riverside. www.glideiss.us.
- Aug. 21. Hosted by Thousand Oaks Soaring Society (TOSS), Thousand Oaks. www.toss.freesevers.com
- Sept. 18. Hosted: Soaring Union of Los Angeles (SULA) at Field of Dreams, San Pedro. www.sulaclub.org
- Oct. 23. Hosted by Torrey Pines Gulls (TPG), Glider field at Encinitas. www.torreypinesgulls.org.
- Nov. 20. Rain date,
- Dec. 10. Mark Child Memorial Toys For Tots competition at SULA, San Pedro. www.sulaclub.org.

Results for Fourth SC-2 Event Held May 15, 2016

Victor Valley RC Flyers (VVRFCF) hosted the fourth SC2 competition at the Victor Valley RC Park near Victorville on May 15, 2016. See results below. It is important to note that Ross Thomas won both Woody class and RES class. This is so important that it prompted the President of SC-2 clubs to send the following message:

Hi Ross,

We owe you a medal for Victorville. You not only won the Woody, but also 1st in RES. Congratulations! I will give it to you when I see you next.

Tom Trivitt
President
SC2 Soaring

SC2 Contest # 4						Hosted By VVRCF										Normalized Sort				Contest Entries	
Victor Valley RC Park May 15, 2016						Contest Director: Rick Pearson Scorekeeper(s): Karl Garland														17	
Thermal Duration						Round 1, 5 mins.			Round 2, 7 mins.			Round 3, 10 mins.			Round 4, 10 mins.			SCORES		LSF	
Place	PID	Pilot	Club	Class	L	T1	L1	S1	T2	L2	S2	T3	L3	S3	T4	L4	S4	Overall	Norm	Points	
1	3	Lee, Mike	ISS	E	W	4.59	94	993.8	7.01	94	994.7	10.02	86	989.8	10.01	81	988.9	3967.3	1000.0	1700.0	
2	4	Khani, Ali	SULA	E	W	4.59	98	995.8	6.57	86	986.2	9.17	0	881.9	10.02	89	991.3	3855.3	971.8	1554.8	
3	1	Garland, Steve	ISS	E	W	5.00	88	994.0	6.59	85	990.2	9.12	0	874.0	9.53	0	938.9	3797.2	957.1	1435.7	
4	102	Brooks, Tony	SWSA	E	W	5.02	57	972.2	7.00	83	991.5	5.43	96	591.1	9.36	86	955.0	3509.8	884.7	1238.5	
5	111	Trivitt, Tom	ISS	E	W	4.59	64	978.8	7.06	61	966.9	10.16	76	962.7	6.06	0	579.5	3487.9	879.2	1142.9	
6	334	Swain, John	ISS	S	W	5.01	0	946.8	7.00	0	950.0	8.47	0	834.4	4.03	0	384.8	3116.0	785.4	942.5	
7	226	Ward, Les	ISS	I	W	4.58	0	943.7	6.58	61	976.0	7.36	0	722.0	3.52	0	367.3	3009.0	758.4	834.3	
8	129	Pearson, Rick	VVRCF	E	W	5.03	95	988.0	6.59	66	980.7	5.32	0	525.7	3.05	85	335.4	2829.8	713.3	713.3	
9	2	Vera, Edgar	SWSA	E	W	4.58	99	993.2	6.57	99	992.7	3.26	0	326.2	3.15	65	341.3	2653.3	668.8	601.9	
10	301	Stanton, Steve	ISS	S	E	5.16	0	899.3	5.51	0	793.9	3.46	0	357.8	6.06	0	579.5	2630.6	663.1	530.5	
11	300	Bacani, Alvin	ISS	S	W	5.13	0	908.8	6.59	0	947.7	2.15	0	213.8	3.49	0	362.6	2432.9	613.2	429.3	
12	305	Ostrem, David	ISS	S	W	2.57	0	560.5	3.38	82	534.1	2.40	0	253.3	9.50	67	967.7	2315.6	583.7	350.2	
13	433	Thomas, Ross	HSS	Woody	W	5.08	0	924.7	5.50	80	831.7	5.35	0	530.4	0.00	0	0.0	2286.8	576.4	288.2	
14	5	Thonet, Andy	SWSA	E	W	5.02	91	989.2	3.50	0	520.2	3.51	0	365.8	3.43	0	353.1	2228.2	561.6	224.7	
15	139	Stewart, Ed	ISS	E	W	5.00	95	997.5	2.43	0	368.7	4.00	52	406.0	4.17	46	429.9	2202.1	555.1	166.5	
16	302	Aber-Song, Ed	EDSF	S	E	2.15	0	427.5	6.39	63	934.0	3.07	0	296.1	0.00	0	0.0	1657.6	417.8	83.6	
17	110	Schwemmer, Rick	ISR	E	W	4.17	53	840.3	5.19	39	741.0	0.00	0	0.0	0.00	0	0.0	1581.4	398.6	39.9	



Fifth SC-2 Soaring Competition Announcement

HSS will host the fifth Soaring Clubs of Southern California (SC-2) competition on June 19, 2016. Club members are invited to participate or assist in conducting the competition. Contact Bruce Schaefer if you can help.



Harbor Soaring Society Invites you to the June 2016 SC2 Contest

Website: <http://www.harborsoaringsociety.org/>

Date: Sunday, June 19, 2016

Location: Fairview Park 2525 Placentia Ave. Costa Mesa, CA 92628
(Enter off of Canyon Dr. – see map)

Field: Dirt / and More Dirt

Contest Director: Erv Szego
(714) 235-9052
ervszego@msn.com

Club President: Joni Whitsitt
(714)-396-2523
whitsittjo@gmail.com

Sign up: 8:15 AM
Pilots Meeting: 8:45 AM
Contest Starts: 9:00 AM

Fee: \$10.00 Each Class – Open, RES, WOODY and ALES
Free for NOVICE and AMA Juniors & Seniors (18 yrs and younger)

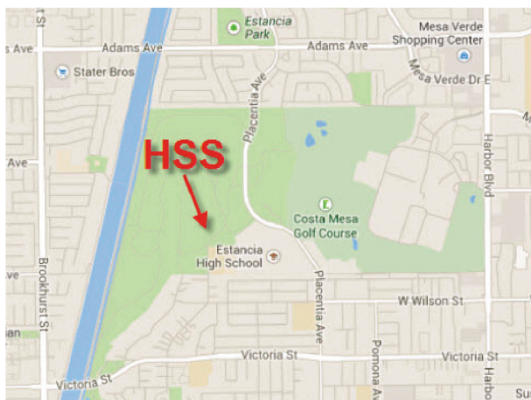
***No Flying over launch area or ANY area to the East
of the launch area below launch height***

TASKS:

4 Rounds of Precision Duration – flights each worth 900 points – landing 100 points – 1000 total per round
Round 1: 5 mins., *Round 2:* 8 mins., *Round 3:* 10 mins., *Round 4:* 8 mins., – For a total of 31 minutes – Open flight order
2 Winches with retrievers, approximately 450' to turnarounds, landing zone behind winches on model runway
ALES will launch parallel to winch corridor. ALES height limited to 150 meters by limiting device.

AWARDS: OPEN Expert, Intermediate, Sportsman and RES – 1st thru 3rd place,
ALES and WOODY – 1st place only

RULES: AMA required All 2016 SC2 Rules apply Restroom available on site



GPS 33°39'37.11"N, 117°56'25.55"W

The field will be open at 7:30 AM and the winches will be set up by approximately 8:00 AM for practice or fun flying. The winches will be shut down at 8:45 AM for the pilots meeting.

See HSS website for more field info: <http://www.harborsoaringsociety.org/#!flying-sites/c8a3>



Changes in Lithium Battery Shipping Rules

Joni Whitsitt has provided this most recent IATA (International Air Transport Association) notice of rules for shipping Lithium batteries. This prohibition takes effect 1 April 2016, which may influence the availability of these types of batteries.

IATA**Lithium Batteries as Cargo in 2016 - Update III**

On 22 February the ICAO Council adopted the recommendation of the ICAO Air Navigation Commission (ANC) that lithium ion batteries, UN 3480, Packing Instruction 965 only, be forbidden, on an interim basis, as cargo on passenger aircraft. The prohibition does not apply to lithium ion batteries packed with equipment or lithium ion batteries contained in equipment, UN 3481, Packing Instruction 966 and Packing Instruction 967 respectively.

The prohibition becomes effective 1 April 2016, as applies to the requirements that lithium ion batteries, UN 3480, PI 965, to be shipped at a state of charge of no more than 30% of their rated capacity, and other changes advised through the addendum to the 5th edition of the IATA Dangerous Goods Regulations (DGR) issued in January of this year.

A further addendum to the DGR will be issued later this week to align with the issuance of Addendum 4 to the ICAO Technical Instructions. The addenda to the DGR are available from the IATA website at:

<http://www.iata.org/whatwedo/cargo/dgr/Pages/download.aspx>

The final changes for lithium batteries effective 1 April 2016 are as follows.

Changes to the Provisions for Lithium Batteries Effective 1 April 2016

1. UN 3480, PI 965, Section IA and IB. Lithium ion cells and batteries must be offered for transport at a state of charge (SoC) not exceeding 30% of their rated design capacity. Cells and/or batteries at a SoC of greater than 30% may only be shipped with the approval of the State of Origin and the State of the Operator under the written conditions established by those authorities.

UN 3480, PI 965, Section IA and IB are forbidden for carriage on passenger aircraft. All packages must bear the Cargo Aircraft Only label in addition to the other marks and labels required by the Regulations.

Note:

Guidance and methodology for determining the rated capacity can be found in the UN Manual of Tests and Criteria, 5th Revised Edition, Amend. 1 and Amend. 2, Section 38.3.2.3.

2. UN 3480, PI 965, Section II. Lithium ion cells and batteries must be offered for transport at a state of charge (SoC) not exceeding 30% of their rated design capacity.

All packages prepared in accordance with Section II of PI 965 are forbidden for carriage on passenger aircraft. All packages must bear the Cargo Aircraft Only label in addition to the other marks and labels required by the Regulations.

A shipper is not permitted to offer for transport more than one (1) package prepared according to Section II in any single consignment.

Not more than one (1) package prepared in accordance with Section II of PI 965 may be placed into an overpack. When the package is placed in an overpack, the lithium battery handling label and Cargo Aircraft Only label required by this packing instruction must either be clearly visible or the label must be affixed on the outside of the overpack and the overpack must be marked with the word "Overpack".

3. UN 3090, PI 968, Section II. A shipper is not permitted to present for transport more than one (1) package prepared according to Section II in any single consignment.



Changes in Lithium Battery Shipping Rules (Continued)

Not more than one (1) package prepared in accordance with Section II of PI 968 may be placed into an overpack. When the package is placed in an overpack, the lithium battery handling label and Cargo Aircraft Only label required by this packing instruction must either be clearly visible or the label must be affixed on the outside of the overpack and the overpack must be marked with the word "Overpack".

4. Packages prepared according to Section II of PI 965 and PI 968 must be offered to the operator separately from other cargo and must not be loaded into a unit load device (ULD) before being offered to the operator.

You can contact the IATA Dangerous Goods Support team if you have questions or concerns that may not have been addressed in this document at: dangood@iata.org.

www.iata.org/lithiumbatteries

42 Years of Plane Rap Newsletter Archives

Back in June of 2006, your editor seized the opportunity to archive an astonishing history of HSS and the club's newsletters. Thanks to Will Conrad, Del Kahan, Frank Chastener, and Herman Hall (all long time members of HSS), we have over 40 years of Plane Rap newsletters, under the librarianship of present and future HSS secretaries. These extensive collections were donated, and are now archived in about two dozen binders. For a club that has 52 years of history, we are at least off to a good start. But, we need your help. The following lists what is still missing, and if any one has any part of these old Plane Rap newsletters, we would love to add them to our archives (or at least a copy of what you have).

1964 through 1974: All issues missing.

1975 through 1999: All issues are archived except the following:

1975: Oct and Dec missing.

1976: All but Mar missing

1987: Feb missing.

1994: Nov missing.

1995: Aug missing.

1996: Feb, June missing

1999: Dec missing.

2000 through 2016 (to date) all issues archived.

These archives are open to all members. Copies can be made upon request, or issues may be checked out for temporary use. If you wish copies or have any of the missing issues, contact your secretary.

Seen Around The Field

A big motor glider about to be launched. Sorry we don't have the model or owner's name. Photo courtesy of Rob Askegaard.



2016 City Flying Permits Available Now

A permit to fly radio-controlled model aircraft is required to operate model aircraft at Fairview Park. This permit can be obtained by going to www.costmesaca.gov and downloading the file Model Airplane Fly Permit 2014.pdf. You must also show proof of adequate liability insurance in the form of a current Academy of Model Aeronautics (AMA) membership card or a current homeowners/personal liability policy specifically covering model aircraft operation with a minimum limit of \$500,000. Rules and regulations for flying the model aircraft can be found in the City of Costa Mesa Municipal Code, Title 12, Chapter II, Articles 2 & 3.

Permit Fee: \$25 per year. Learner's Permit for youths 6-14 years old - \$15 per year.

WALK-IN Costa Mesa City Hall (77 Fair Drive, Costa Mesa 92626), 3rd Floor Recreation Counter Tuesday through Thursday from 8:00 AM – 4:30 PM (excluding City-observed holidays),

MAIL-IN Mail your renewal packet (see list below), to include full payment, to:

Recreation Division – Fly Permit

City of Costa Mesa, P. O. Box 1200, Costa Mesa, CA 92628

Renewal Packet must include **ALL** of the following:

- Permit Application (filled out and signed).
- Copy of your drivers license.
- Copy of the AMA Membership Card (showing the required year) or homeowner's/personal liability insurance policy (specifically covering model airplane/aircraft flying with a minimum limit of \$500,000).
- Renewal Fee (\$25); payment by Check (payable to City of Costa Mesa) or charge to Credit Card (filled out and signed).

Note: Current permit holders with email addresses on file with the City will receive renewal packet via email.

If you have questions or need additional information, please call the Recreation Division at (714) 754-5300.

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 rules posted at the flying site.

Invitation To Member Contributions To The Plane Rap Newsletter

Your editor would love to hear from club members. If there is anything you would like to share with the rest of us I want you to send it to me. I will add it to the next newsletter. My favorite things to publish are items sent in by members!! These can be anything like reviews of your plane or equipment, links to good videos, links to articles and things you have built or created. Bad spelling and/or grammar gladly accepted. Anything from a picture with a caption to a full blown build/review article is good. Letters-to-the-Editor are always welcome as well. Tell us what you think. Please help make the newsletter and website more interesting with your submissions. Embarrassing pics/vids are the best. I look forward to hearing from you.

Fred Hesse - Plane Rap Editor - fhesse@socal.rr.com.

Photos of Your Planes

We are very fortunate to have Rob Askegaard as our club photographer. Rob has a high degree of talent, and supplements that with an excellent camera. His well composed and very realistic photos taken at ground level and his remarkable stop action in-flight pictures are superb. Rob's contributions are what make our newsletter really spectacular. We try to feature everyone and their planes, so if you haven't seen yourself in our newsletter, look for Rob just about any morning and pose for him.

Anyone that wishes a high quality print, or the digital file of their favorite plane should contact Rob, or your editor. Phone and E-mail are shown on the last page of this newsletter.



Next Meeting Announcement

We will have as special guests for the next General Meeting the UC Irvine Design/Build/Fly team that recently participated in this year's competition. This is always a fascinating presentation which will brighten our next meeting. The meeting schedule has been altered from the normal first Tuesday (June 7th) of the month to the first Thursday (June 2nd) to accommodate the teams finals schedule.

ANNOUNCEMENT: CHANGE OF MEETING DATE



The June meeting for HARBOR SOARING
SOCIETY
will be THURSDAY, JUNE 2, 2016
in order for our Guest Speakers,
the Design/Build/Fly Contest Team from UCI
to make their presentation.

Please plan to join us at the regular dinner meeting time,
7:00 p.m., at Round Table Pizza,
11095 Warner Ave., Fountain Valley

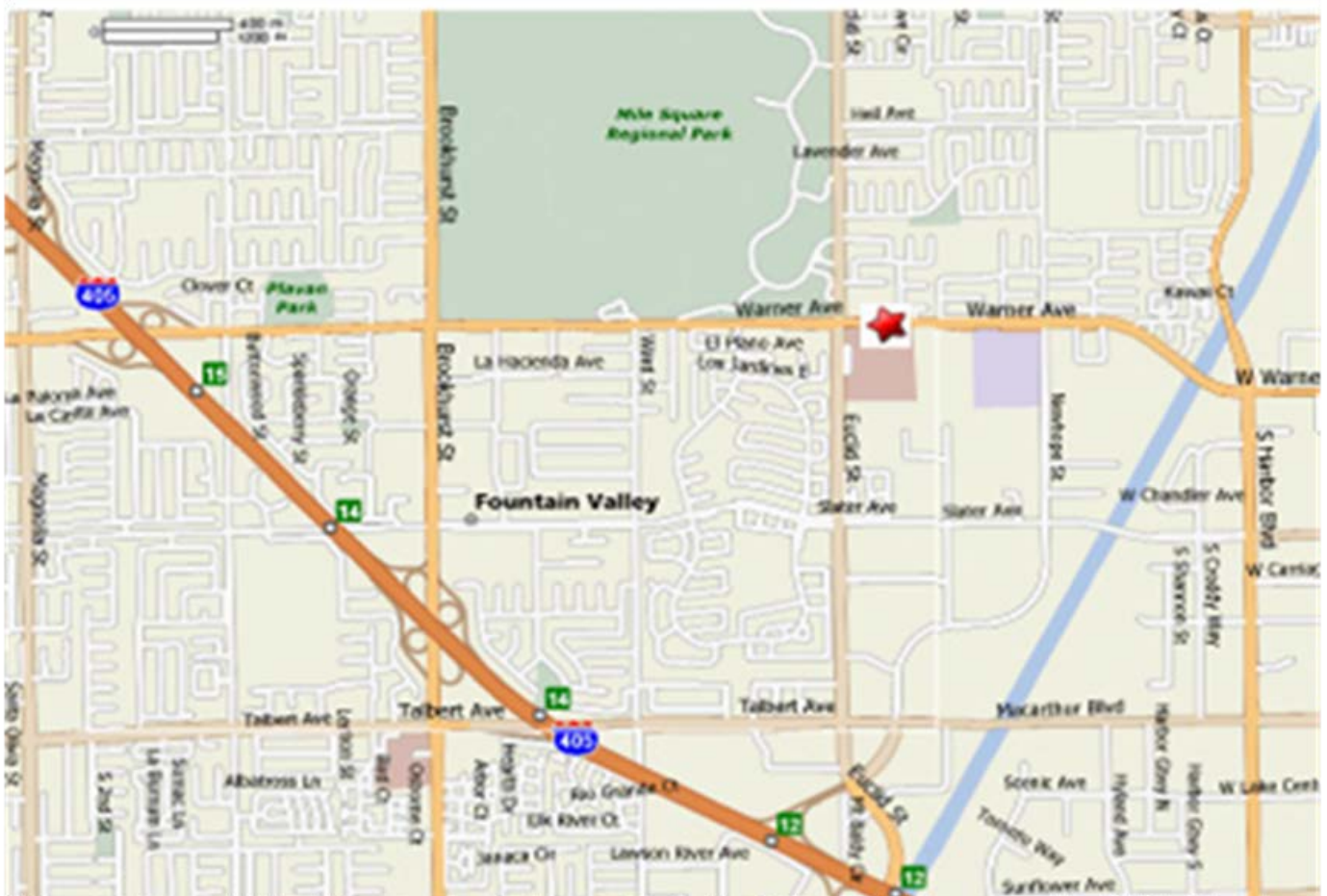


Next Meeting Announcement (Continued)

Our monthly general meeting is normally held on the first Tuesday of each month. As noted above, the meeting will occur on Thursday June 2nd, this one time only. We meet at Round Table Pizza, 11095 Warner Ave. & Euclid (North-east corner) in Fountain Valley, at 7:00 PM. 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. Time will be allowed for show-and-tell of your favorite plane. Bring your wife, family, and friends. There will be a raffle, with items listed on the following page. The location map is also shown below.

Between Joni Whitsitt's family problems, she had to leave for Kansas last Monday May 23, and her three week vacation from May 29 through June 19, club meetings will fall back in the hands of Vice President Henry Smith III. He will conduct the special Thursday June 2 meeting featuring the Design/Build/Fly team from UCI. The agenda is roughly as follows:

- 7:00 PM Meeting called to order.
- Comments on club business by Henry Smith III, Vice President
- 7:10 PM New members or guest in attendance (hopefully the Orange Coast College students that are involved with the Versa Wing project)?
- 7:15 PM New Business: Preparation for the June 19 SC-2 competition hosted by HSS.
- 7:20 PM Henry Smith III introduces guest speakers from the UCI Design/Build/Fly team.
- 8:10 PM Show and Tell
- 8:25 PM Opportunity Drawing.
- 8:45 PM Meeting adjourned.



Raffle Prizes for June 2, 2016 General Meeting

Ted Broberg has collected the following prizes to be given away at the June 2 (Thursday) General Meeting. They include the following:

- Merit 2.4 GHz transmitter, model MT-600. It uses Airtronics receiver from Hobby People.
- A two drawer parts caddy.
- Two tape measures (not shown).
- 60" wing span tip-launched glider, from Pete Ridley.
- 3-meter Bird of Time sailplane. donated by Randy Pritchard

**Visitors to the Field**

Rob Askegaard has provided this fun photo of a group of students that came to visit our flying field. Rob reports that they are from Edison High School, but your editor suspects they came from Estancia High School.



Plane Rap Classified Ads and Services - For Sale

We are pleased to offer free advertising space for anyone (member or nonmember) who has items or services for sale. Details should include a description, a small photo is acceptable, asking price, and contact address/phone. Ads should be sent to HSS Editor Fred Hesse at [fhess@socal.rr.com](mailto:fhesse@socal.rr.com). Items will be displayed in three issues unless a request for extension is made.

HSS Sponsors

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

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Robsrchobbies.comrobsrchobbies@earthlink.net**REMOTE CONTROL
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MEMBERSHIP APPLICATION 2016

Harbor Soaring Society

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



I understand that by applying for membership in the Harbor Soaring Society I must be a current member of the AMA (Proof of status required, may be photocopy of membership card or AMA receipt of fees paid)

Name _____ AMA # _____

Address _____

City _____ State _____ Zip _____

Home Phone _____ Work Phone _____

Date of Birth _____ Email _____

- ☐ New Applicants (Without Name Tag) (17 years and older): \$25.00
- ☐ Adult Member (Renewal Without Name Tag) (17 years and older): \$25.00
- ☐ Junior Member (Without Name Tag) (16 years and under): \$10.00
- ☐ Family Member (Without Name Tag) (At Same Address): \$5.00
- ☐ Optional or Extra HSS Name Tag: \$15.00
- ☐ I hereby give my permission to publish my [Name], [Address], [Phone], [Email Address] in the monthly Newsletter. **Strike out those not to be published.** Note that the Newsletter is published on the club Website (<http://www.harborsoaringsociety.org>)
- ☐ I request Email delivery of the monthly Newsletter in place of U.S. Mail delivery of hardcopy
- ☐ I request a printed copy of the monthly Newsletter by U.S. Mail. Printing and Mailing: \$20.00/year

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

Thermal Duration Gliders _____	Slope Soaring Gliders _____	RES Gliders _____
Large Scale Gliders _____	Hand Launched Gliders _____	Electric Motor Gliders _____
Park Flyer Electric _____	Acrobatic Electric Planes _____	Scale Electric Planes _____
Electric Drones / Multi-rotor _____	Indoor Electric Planes _____	Electric Helicopters _____

In accordance with the Federal Equal Opportunity Act, this organization prohibits discrimination against anyone on the basis of race, color, religion, national origin, sex, marital status, age, individuals with disabilities or veterans. New applicants making application between November 1st and December 31st will pay the annual rate indicated above and such dues will make the new member paid in full for the following year. Applications for adult members submitted between July 1st and October 31st will pay a reduced rate of \$15.00 (name tags extra). A signature is required from all Harbor Soaring Society members, agreeing to comply with the current AMA Safety Code, the current HSS and Costa Mesa City General Field Rules, and FAA rules and regulations applicable to the flying of RC model Aircraft.

The undersigned attests that: I will operate my model using only radio frequencies for the control of fixed wing or multi-rotor aircraft, and/or data transmission, on equipment certified and approved for such use by the AMA, FAA or FCC as applicable. 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: _____

Revised: March 7, 2016 RCO



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HARBOR SOARING SOCIETY OFFICERS FOR 2016

President	Joni Whitsitt	714-396-2523	whitsittjo@gmail.com
Vice President	Henry Smith III	714-322-6537	henry.smith.3@earthlink.net
Treasurer	Jim Hanson	949-294-8365	tog4rc@pacbell.net
Secretary	Bruce Gale	949-394-3924	galebl@cox.net
General Director	Joni Whitsitt	714-396-2523	whitsittjo@gmail.com
Contest Coordinator	Bruce Schaefer	714-814-6412	metaterra@msn.com
Safety Officer	Jim Hanson	949-294-8365	tog4rc@pacbell.net
Alternate Safety Officer	Vincent San Filippo Jr.	714-791-5588	vincsfjr@gmail.com
Grounds Keeper	Jamie Laflamme		surfcityjay@yahoo.com
Editor	Fred Hesse	714-963-5838	fhesse@socal.rr.com
Publisher	Mike Gaczowski	949-582-9390	mgaczowski@cox.net
Club Photographer	Rob Askegaard	714-968-1973	rmaskegrd@gmail.com
Social Media Manager	David Miller	949-351-7047	davidjmiller949@gmail.com
Lead Flight Instructor	Ted Broberg	714-235-6430	tbroberg@earthlink.net

See our web site at www.harborsoaringsociety.org, our YouTube site at <http://www.youtube.com/user/hssletsfly>, and Facebook at www.facebook.com/harborsoaringsociety

NEXT CLUB MEETING WILL BE:

**THURSDAY JUNE 2, 2016, AT ROUND TABLE PIZZA, 11095 WARNER AVE.
FOUNTAIN VALLEY, , GENERAL MEETING 7-9 PM.**

**BRING YOUR FAMILY, WIFE, AND FRIENDS FOR DINNER. WE WILL HAVE A PRESENTATION BY
THE UCI DESIGN/BUILD/FLY DESIGN TEAM, SHOW AND TELL,
AND A RAFFLE. SEE DETAILS AND INSTRUCTIONS TO LOCATION ON PAGE 15-16.
SEE THE COLOR NEWSLETTER SENT BY E-MAIL AND AVAILABLE ON OUR WEB SITE.**

