



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.

July 2016

HSS IS NOW OVER 52 YEARS OLD!

Volume 53

Saturday July 23, 2016. Hot Dog Day for HSS members at Fairview Park. Fun fly. free drinks.

Plane Rap Index

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Coming Events and Soaring Competitions

July - August 2016

- Tuesday July 5, 2016. HSS monthly meeting, Round Table Pizza, 11095 Warner Ave. General meeting, 7 PM. See P.19 for details.
- Sunday July 17, 2016. Sixth SC2 soaring competition. Hosted by Inland Soaring Society. Held in Riverside. See www.glideiss.us 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.14 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.
- Sunday August 21, 2016. Seventh SC2 soaring competition. Hosted by Thousand Oaks Soaring Society. Held in Thousand Oaks.. See www.toss.freesevers.com for details.



HSS General Meeting Minutes for June 2, 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 Thursday June 2, 2016 Henry Smith III, Vice President, presiding.

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

New Business, Henry Smith III, VP

- Preparations are underway for the June 19, 2016 SC² (Southern California Soaring Clubs) competition that will be hosted by HSS.
- Hot Dog Day at the flying field is scheduled for July 23, 2016. Cooking will begin around 9:30AM
- The Lion's Club Fish Fry at Fairview Park was held on June 4-6, 2016. For the public's safety, Henry Smith III closed the flying field during this time.
- The Steering committee is working on revising the bylaws. The proposed bylaws will be published for HSS members to review in September or Oct 2016. The goal is to modernize and streamline club operations.
- Jim Hanson introduced the latest HSS member, Ryan McMinimy. Ryan is the 90th member to join HSS, and was awarded a Radian sailplane and Spektrum DX8 transmitter.

Guest Speakers:

Henry Smith III introduced guest speakers from the University of California, Irvine, (UCI) Design/Build/Fly team, Colin Sledge, Willis Zhang, and Kunal Deshpande. The team prepared an excellent PowerPoint presentation about their participation in an international electric radio-control airplane competition in Wichita KS that featured 80 teams.

The UCI team employed sophisticated project management, design, engineering, and testing skills in preparation for the competition. The requirement was to design, test, and fly a production aircraft that could be packaged within a manufacturing aircraft. Both aircraft had to meet all design parameters and be able to fly all three missions. The team only had 25 weeks from receiving the rule to the date of the competition to prepare. The production aircraft had to carry a 32 oz bottle of soda, and the manufacturing plane had to carry the production plane. Rules limited the manner in which the production aircraft could be disassembled for delivery by the manufacturing plane.

The highlight of the evening was the team's demonstration of how they package the production plane inside the manufacturing plane. They employed an ingenious design that generated much enthusiasm and many congratulations from HSS members. Pictured below left is the production plane, and below right is the manufacturing plane containing the production plane, with Colin Sledge, Kunal Deshpande, and Willis Zhang.



HSS General Meeting Minutes for June 2, 2016 (Continued)

The following is extracted from the competition summary.

The 2016 Textron Aviation/Raytheon Missile Systems/AIAA Design/Build/Fly Competition Flyoff was held at Cessna East Field in Wichita, KS on the weekend of April 15-17, 2016. This was the 20th anniversary year since the original competition was held at Ragged Island, MD, in 1997. A total of 145 entries were received, and a new requirement was implemented to write a proposal for review. 137 proposals were submitted and 93 teams were selected for the next phase. 80 teams submitted written reports to be judged, and 69 teams attended the flyoff (25 international). Over 625 students, faculty, and guests were present.

The Missions this year simulated a Distributed Manufacturing system, where the students were required to design two aircraft:

- The Production Aircraft, which carried a payload of a 32oz bottle of Gatorade.
- The Manufacturing Support Aircraft, which is designed to carry the Production Airplane internally.

The Mission Score was the product of the three Flight Scores, and a Bonus mission was added with a timed assembly of the Production Airplane. As in the past, the Final Score is the product of the Mission Score and written Report Score, divided by airplane RAC (airplane and battery weights). More details can be found at the competition website: <http://www.aiaadbf.org>

The mission requirements this year were very challenging, and furthermore strong winds prevailed for the first two days and it rained much of the third day. Still, there were 217 flight attempts, of which 83 resulted in a valid flight score. 38 teams had successful flight scores and 12 teams completed all three flight missions. The quality of the teams, readiness to compete, and execution of the flights was outstanding.

First place went to San Jose State University with a score of 1300.64, second place to Georgia Tech University at 801.32 and third to University of California Irvine at 610.49. The best paper award, sponsored by the Design Engineering TC for the highest report score, went to Georgia Tech University with a score of 97.00.

This is a link to their 2015-2016 AIAA/Cessna/Raytheon Design Build Fly Competition paper,

http://www.aiaadbf.org/2016_files/2016DBF_UNIVERSITY%20OF%20CALIFORNIA%20IRVINE_DESIGN_REPORT.pdf.

Show N' Tell

1. John Anderson shared some refinements he made to the Multiplex EasyStar glider he won in a previous Opportunity Drawing. John did a fine paint job and made some functional improvements.

Opportunity Drawing:

Item:	Donor:	Winner:
Merit 2.4 Ghz transmitter, model MT-600	Vince San Filippo	Cayden Rohlfing
Two-drawer parts caddy	Unknown	Ralph Siegfried
Tape measure	Ted Broberg	Sid Hood
Tape measure	Ted Broberg	John Anderson
3-meter Bird of Time sailplane	Randy Pritchard	Willis Zhang
Two A9NS servos	Unknown	Ross Thomas
Silhouette electric aerobatic plane	Ryan McMinimy	Jesse Calleros
DLG Glider	Pete Ridley	Kunal Deshpande
LiPo Battery	Hobby People, Fountain Valley	Charlie Sigfried
Servo tester	Hobby People, Fountain Valley	Colin Sledge
Digital timer	Hobby People, Fountain Valley	Mike Fox



HSS General Meeting Minutes for June 2, 2016 (Continued)**Members in Attendance:**

Bruce Gale, Sec.	John Anderson	Cayden Rohlfing
Charles Siegfried	John Rittenhouse	Mike Fox
Dick Odle	Ralph Siegfried	Jim Sonnenmeien
Fred Hesse	Rob Askegaard	Kunal Deshpande (Guest speaker)
Henry Smith III	Ross Thomas	Colin Sledge (Guest speaker)
Jeff Greene	Ryan McMinimy	Willis Zhang (Guest speaker)
Jesse Calleros	Sid Hood	
Jim Hanson	Ted Broberg	

The meeting was adjourned at 8:45 PM.

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

HSS Membership

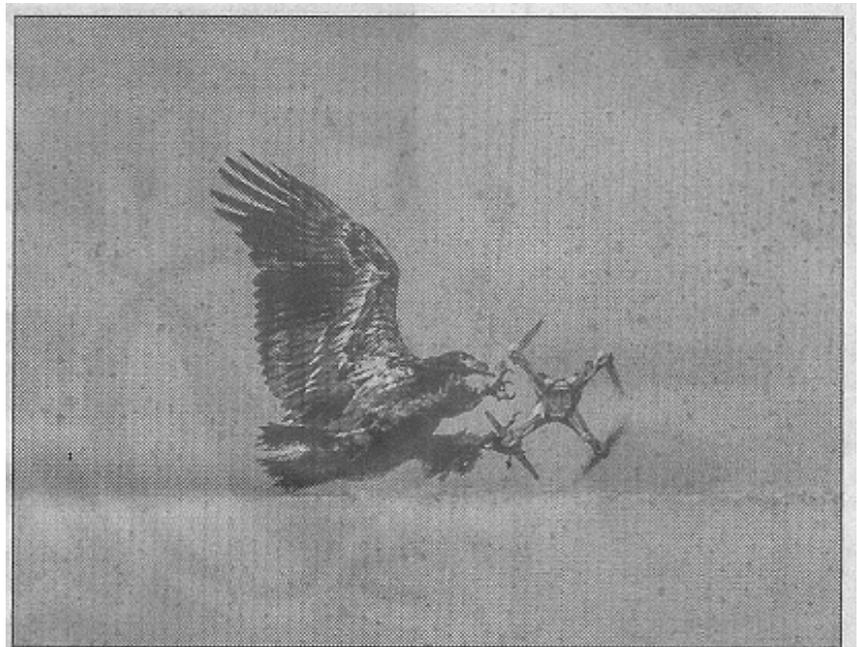
Our 2016 HSS membership enrollment season is in full swing. Note that the new membership rate of \$25 per year is now in effect. A membership application is included in the last pages of this newsletter. These can be mailed to our post office box shown on the last page, or given to a club officer. Alternately, 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.

Eagles Trained to Take Down Drones

Here is an excerpt from a New York Times article by Stephen Castle. The entire article was reprinted in the Sunday June 5th 2016 edition of the Orange County Register.

A security company in Katwijk, Netherlands, titled "Guard From Above" is training eagles to take out unmanned drones. Authorities are concerned that drones are a threat to full size planes, and will be used to drop contraband, conduct surveillance, and be used by terrorists to drop bombs.

Shown at right, the birds of prey learn to intercept drones and can bring them safely to the ground, rather than causing them to crash, which can pose risks to those below.



ANDREW TESTA, THE NEW YORK TIMES



19 June 2016 SC2 Competition Hosted by HSS

The fifth in the 2016 series of Soaring Clubs of Southern California (SC2) was hosted by Harbor Soaring Society on June 19, at our Fairview flying site. Weather was optimum, and competition was vigorous. Contest Director was Jim Sonnenmeier, assisted by Erv Szego. Results are shown below, followed by a variety of photos provided by Rob Askegaard. Thanks, Rob.

SC2 Contest # 5		Hosted By HSS		Normalized Sort		Contest Entries																		
Fairview Park, Costa Mesa June 19, 2016		Contest Director: Erv Szego Scorekeeper(s): Kari Garland				23																		
Thermal Duration							Round 1, 5 mins.			Round 2, 5 mins.			Round 3, 10 mins.			Round 4, 5 mins.			Round 5, 1 mins.			Overall		LSF
Place	PID	Pilot	Club	Class	L	T1	L1	S1	T2	L2	S2	T3	L3	S3	T4	L4	S4	T5	L5	S5	Overall	Norm	Points	
1	4	Khani, Ali	SULA	E	W	5.02	68	977.7	8.02	37	964.5	10.00	46	973.0	7.59	86	991.0				3906.2	1000.0	2300.0	
2	139	Stewart, Ed	ISS	E	W	4.56	28	951.3	8.00	88	994.0	9.58	12	952.8	7.59	57	976.5				3874.7	991.9	2182.2	
3	425	Higgins, Walter	TOSS	Res	W	5.00	40	970.0	8.01	50	973.0	9.58	0	946.8	8.01	67	981.5				3871.4	991.1	2081.3	
4	112	Garber, Jonathan	UND	E	E	4.56	81	977.8	8.04	98	991.1	8.57	93	896.8	8.00	90	995.0				3860.7	988.3	1976.7	
5	126	Morjoseph, Mike	SWSA	E	W	5.02	81	984.2	7.58	50	971.0	9.05	55	890.4	7.56	55	969.6				3815.2	976.7	1855.7	
6	327	Schaefer, Bruce	HSS	S	W	5.10	75	955.8	8.08	31	949.7	9.57	20	955.3	8.03	0	944.1				3804.8	974.0	1753.3	
7	3	Lee, Mike	ISS	E	W	4.18	63	848.5	8.04	77	980.6	10.02	53	973.3	7.59	99	997.5				3799.9	972.8	1653.7	
8	217	Townsend, Craig	HSS	I	W	5.03	0	940.5	8.08	14	941.2	10.07	0	938.9	8.07	47	959.6				3750.2	967.7	1548.4	
9	144	Watson, Tom	TPG	E	W	4.59	0	946.8	7.59	48	972.0	9.07	4	868.1	8.01	35	965.5				3751.5	960.6	1441.0	
10	1	Garland, Steve	ISS	E	W	5.08	0	924.7	8.00	53	976.5	6.34	0	623.8	8.03	52	970.1				3495.1	894.7	1252.6	
11	117	Jolly, Larry	TPG	E	W	4.58	81	984.2	8.00	68	984.0	4.52	83	503.8	8.00	89	994.5				3466.5	887.4	1153.7	
12	2	Vera, Edgar	SWSA	E	W	4.43	57	924.7	7.57	81	984.6	6.39	0	631.8	7.40	0	910.4				3451.4	883.6	1060.3	
13	300	Bacani, Alvin	ISS	S	W	4.59	0	946.8	8.01	0	948.0	7.09	0	679.3	7.07	56	873.1				3447.2	882.5	970.7	
14	5	Thonet, Andy	SWSA	E	W	4.59	0	946.8	7.19	68	902.9	6.10	0	585.8	7.54	77	976.6				3412.1	873.5	873.5	
15	334	Swain, John	ISS	S	W	5.09	0	921.5	5.05	0	603.6	9.38	0	915.2	8.12	0	928.3				3366.6	861.8	775.7	
16	111	Trivitt, Tom	ISS	E	W	5.03	0	940.5	8.02	54	973.0	7.14	0	687.2	5.36	0	665.0				3265.7	836.0	668.8	
17	110	Schwemmer, Rick	ISR	E	W	4.57	0	940.5	6.30	0	771.9	9.56	0	943.7	4.42	20	568.1				3224.2	825.4	577.8	
18	142	Throop, Terry	SULA	E	W	5.01	0	946.8	6.05	47	745.9	8.10	73	812.3	5.45	0	682.8				3187.9	816.1	489.7	
19	113	Hess, Stephan	TPG	E	W	5.00	81	990.5	8.00	57	978.5	0.00	0	0.0	7.44	96	966.3				2935.3	751.4	375.7	
20	228	Ward, Les	ISS	I	W	4.48	0	912.0	7.09	0	849.1	5.19	0	505.1	5.01	13	602.2				2868.4	734.3	293.7	
21	108	Fink, Dan	DSH	E	W	5.02	0	943.7	7.38	0	906.5	10.04	76	981.7	0.00	0	0.0				2831.8	724.9	217.5	
22	433	Thomas, Ross	HSS	Woody	W	4.55	0	934.2	3.42	0	439.4	7.04	0	671.3	5.10	10	618.5				2663.4	681.8	136.4	
23	223	Szego, Erv	HSS	I	W	4.59	58	975.8	5.41	85	717.4	5.25	55	542.1	0.00	0	0.0				2235.3	572.2	57.2	



Most of the competitors and some of the sailplanes.

19 June 2016 SC2 Competition Hosted by HSS (Continued)



Bruce Scheafer (HSS) preparing his Explorer



Mike Lee (ISS) executing his launch.



Ed Stewart (ISS) getting off a launch.



Erv Szego (HSS) coming back from a spectacular (?) landing.

A very proper landing.



19 June 2016 SC2 Competition Hosted by HSS (Continued)



Tom Sherwood (HSS) throws for Erv Szego.



Jonathan Garber from TPG with one of the few ALES class motor gliders.



Ross Thomas (HSS) and his winning woody class glider.



Steve Garland from ISS gets winched up.



Henry Smith (HSS) recording the landing points.



Larry Jolly (TPG) makes a launch.



A New Way to Crash

Henry Smith III has offered the following discussion as guidance to those who enjoy multi-motor planes.

My son and I recently bought a used Sky Mule with plans to convert it into a twin engine flying boat. We have been flying from land in order work out why it wants to spin after a stall. I found a small warp in the right wing and fixed this which helped quite a bit. I think working with rudder trim will help with the rest.

Today I figured out how Sky Mules crash. After a touch & go it started acting strange and I powered back but was quite low so after it was level I added power which made the situation a lot worse. I gave up, powered off and tried to pull the nose up. It hit on the nose with minor but fixable damage. Wing is undamaged.

When I got back to the pits someone said "where is the right propeller?" Seems this came off in flight, no nuts, no parts of propeller, just bare shaft. If you were high enough and smart enough to figure out what happened it might have been savable. With my bad eyes I did not see the propeller come off and therefore had no idea what was wrong. Before we fly this thing again there will be Loctite or a lock nut on the props.

Moral of this story is losing a prop on a single motor airplane is not good but with a two motor plane losing one propeller makes continued flight interesting. Best thing to do is power off and land.

The conclusion to this story came during the SC2 glider competition at Fairview Park on 19 June. Larry Jolly found the three bladed prop and spinner all intact, and returned it to Henry Smith III.

AMA District X Web Site

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 Little Political Humor

If we got one-tenth of what was promised to us in these State of the Union speeches, there wouldn't be any inducement to go to heaven.

~Will Rogers~



Student Training

Henry Smith III and Ted Broberg were giving flying lessons recently. In order to avoid perceived politically correct potential law suits, children's names will not be given. Photos are apparently legal as this is in a public park. Comments and photos courtesy of Ted Broberg. Thanks, Ted. - Ed.



Ted Broberg is shown preparing the club training plane. Henry Smith III conducting the first flight with student.



Next, Henry is shown with another student. A past student gets in a flight with Jim Peterson's J-3 Cub.

A Little More Political Humor

If God wanted us to vote, he would have given us candidates.

~Jay Leno~

I have come to the conclusion that politics is too serious a matter to be left to the politicians.

~Charles de Gaulle~



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 (VVRFC). 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 .

First “Open Space Workshop” for Master Plan Revision

The workshop was held at the Costa Mesa Senior Center on West 19th Street in Costa Mesa, on June 1, 2016. John Anderson and Ted Broberg attended from Harbor Soaring Society. Between 40 and 50 people participated in the discussion groups and information collecting.

Ernesto Muñoz introduced personnel from RJM Design Group, which has been contracted by the City of Costa Mesa to gather the suggestions and develop the General Plan for Costa Mesa parks and recreation facilities.

It is the goal of the City Council to revise the Master Plan, originally written in 2002. RJM has already done the primary data gathering by means of telephone surveys. Outreach to the population is necessary to make sure it's a community plan, said the RJM leader, Zach. This was the first of three meetings. The goal is to have the revision complete by September, 2016. “What is most important to you?” was the over-arching question.

He said that their team has already visited each of the parks with Council members, to see how land is used.

Fairview Park is the most-used facility, then TeWinkle, Newport-Irvine, Canyon, then several less-used areas.

The most-wanted changes so far indicated included Recreation & Trails, and Homelessness, each with 13% of the responses.

Zach then had us number off into seven groups. Each group met around a table, which was provided with writing paper and a large flip-chart pad to write our concerns, posting the top three issues on the flip-chart page. Topic One was to list the community characteristics, issues, and trends role of Recreation in the City. Topic Two called for listing issues concerning us. Topic Three dealt with the Parks' role in helping with solving these issues.

Through it all, items that frequently were mentioned were homeless issues, safety, open space, and the concern many had that the Council was not responsive to the Residents of Costa Mesa. RJM will collate the results and present their findings after all three of the scheduled workshops are held. This was “Workshop 1A.” An identical one, “1 B,” will be held in a different part of the City. The other two Workshops will be announced.

Ernesto thanked everyone for coming, and invited all with questions or comments to stay and talk with the presenters. Meeting adjourned at 9:00 p.m.

Respectfully submitted, Ted Broberg, former HSS Secretary



Seen Around The Field

Rob Askegaard has provided the following photos.

At right and below right is David Dang with his P-51D by Nitroplanes. It has lots of detail and features.

Below left is Johnathan Beck's J-3 Cub by E-Flite. 84" span.

Bottom is Gene Favilla's Fokker D VII by Lanier. It has a 42" wingspan.

Thanks. Rob. -



The Strange History Of The Word 'Drone'

This article first appeared in Aviation Week, and was reprinted in "Peak Charge" newsletter of Silent Electric Flyers of San Diego (SEFSD). Many thanks to editor Steve Belknap for sharing.

Nobody likes the word, but is there a better one?

Apr 22, 2016 Aviation Week & Space Technology

Droning On

The one thing that almost everyone in the world of unmanned aircraft systems (UAS) can agree on is that they hate the word "drone," which in their view has become clickbait-speak for a sinister agent of robotic death and destruction. But alternatives range from cumbersome to misleading.

"Drone" spent 60 happy and productive years defining in five letters any crewless air vehicle that was not a missile. Both *Aviation News* (*Aviation Week & Space Technology's* predecessor) and *Flight* started using the term frequently in late 1945 or early 1946, as if it had been around forever. It seems most likely that the first use of the word in aviation was by U.S. Navy Cmdr. Delmer Fahrney in 1936, when he was directed to develop pilotless target airplanes. The inspiration and pattern for the project was the Royal Navy, whose target aircraft—designed by de Havilland, which had a pattern of double-barreled insect names—was named the Queen Bee.



Silent Electric Flyers of San Diego: International Drone Day

SEFSD also conducted the largest International Drone Day event, recently. They had over 300 participants in this multi rotor fun fly, with three different activities being run simultaneously throughout the day. FPV racing and AMA UAS4STEM search and rescue were just some of the events.

Photos may be found at the SEFSD web site: www.sefsd.org . and videos may be found at:

<https://youtu.be/UbOHDmFh4Eo>

<https://youtu.be/XDGVe6YPEfc>

<https://youtu.be/uzdkU5EoXPI>

Again, thanks to Steve Belknap for sharing his newsletter.



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.

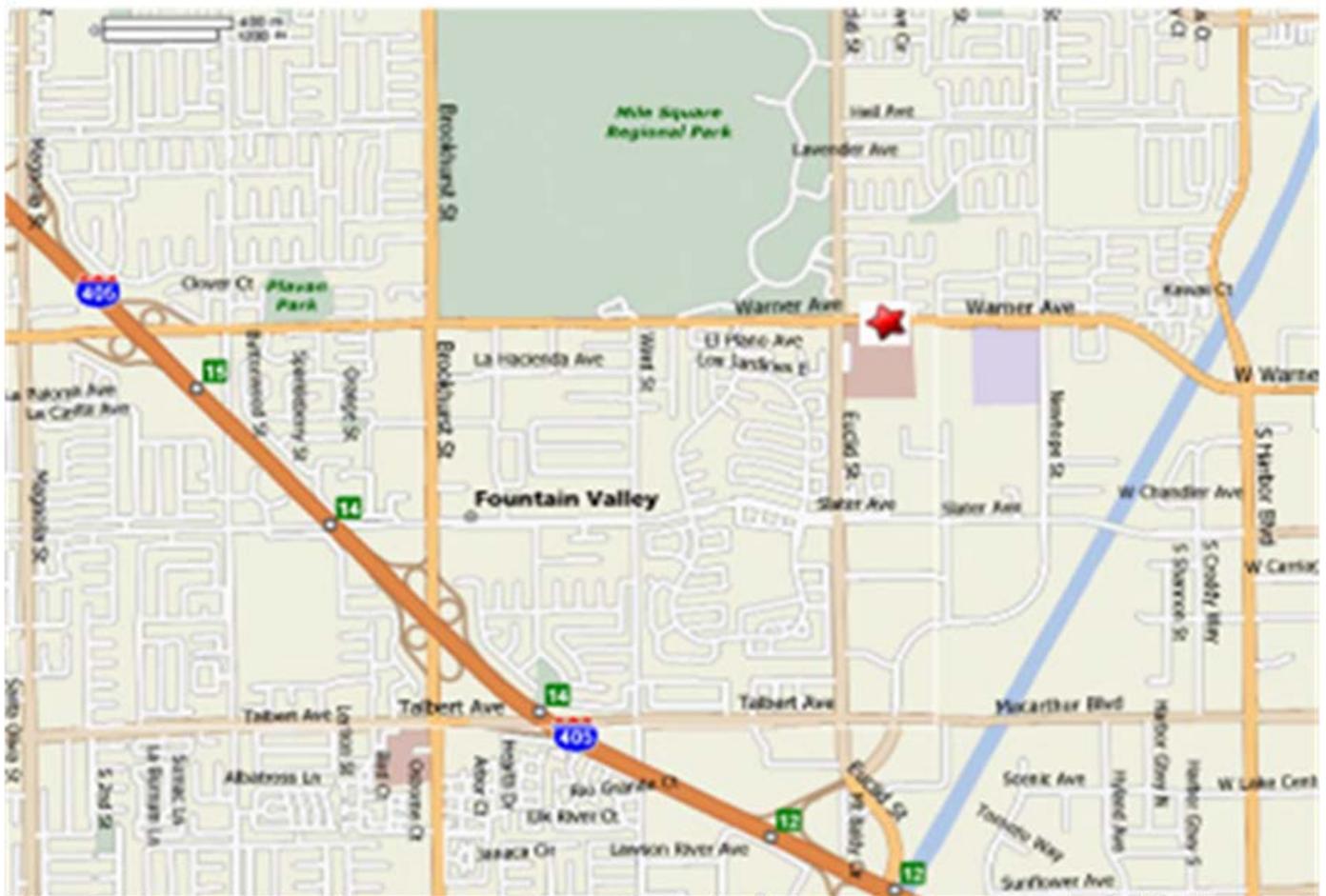


Next Meeting Announcement and Agenda

Our monthly general meeting is held on the first Tuesday of each month. 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.

HSS GENERAL MEETING AGENDA TUESDAY, JULY 5, 2016 7:00 P. M.

- 7:00 PM Meeting called to order.
- 7:03 PM Pledge of Allegiance
- 7:06 PM Opening remarks by Joni Whitsitt, President
- 7:15 PM New Business: Joni Whitsitt
 - City of Costa Mesa Concert in the Park Series booth staffing:
Tuesdays, July 12th, July 19th and July 26th.
 - Hot Dog Day, Saturday, July 23rd. Plan activities.
 - Flying Safety Seminar (TBD).
 - Community Open House at Fairview Park, Saturday August 13.
- 8:15 PM Show and Tell
- 8:25 PM Opportunity Drawing by Ted Broberg
- 8:45 PM Meeting adjourned.



Raffle Prizes for July 5, 2016 General Meeting

Ted Broberg has collected the following prizes to be given away at the July 5 (Tuesday) General Meeting. They include at least the following:

- Hi Tec 8.4 volt NiCd charger.
- 27" Cessna 182 plane.
- Astro Flite Whatt meter.
- E-Flite 3s LiPo charger/balancer.
- E-Flite 2S charger.
- two Hi Tec HS 235 Servos.



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 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.

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
(714) 372-3777**

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

**REMOTE CONTROL
HOBBIES****SALES / PARTS / REPAIRS****211 West Katella Avenue, Suite J****Orange 92867****M-F 10-7 SAT 10-6 SUN 10-5****714-633-1247**

Remote Control Hobbies stores carry a wide selection of the newest **RC Cars and Trucks, RC Airplanes and Helicopters, RC Drones and Quads** and all of their RC Parts and Accessories. Our RC hobby shops value quality and feature hobby grade RC vehicles. Your local RC Hobbies is here to keep you running.

www.rc-hobbies.com/orangecounty<https://www.facebook.com/RemoteControlHobbiesOrangeCounty>

HSS Sponsors (continued)



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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: _____

HSS Sponsors (continued)

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See the latest in radio control modeling: aircraft, helicopters, cars, trucks, and boats! See our selection of die-cast models, plastic models, static display models, and toys! Talk with our knowledgeable staff. Get help with your latest project. We're here to serve you.



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P-51D Mustang



HARBOR SOARING SOCIETY OFFICERS FOR 2016

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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:

**TUESDAY JULY 5, 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 SHOW AND TELL,
AND A RAFFLE. SEE DETAILS AND INSTRUCTIONS TO LOCATION ON PAGES 15-16.
SEE THE COLOR NEWSLETTER SENT BY E-MAIL AND AVAILABLE ON OUR WEB SITE.**

