



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, 2015-2017.

September 2017

HSS IS NOW OVER 53 YEARS OLD!

Volume 54

RC aircraft found by member of the Orange County Model Engineers. See P.4 for details.

Plane Rap Index

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Coming Events and Soaring Competitions

August - October 2017

- Tuesday Sept 5, 2017. HSS monthly meeting, Round Table Pizza, 11095 Warner Ave. General meeting, 7 PM. See P.15 for details.
- Sunday Sept. date TBD. Eighth SC-2 soaring competition. Check with <https://www.sc2soaring.com>.
- Friday – Sunday Sept. 29-30. Oct 1. Huntington Beach Air Show. PCH Highway between pier and Beach Blvd. Fairview flying field will be closed between 12 Noon and 4 PM each day.
- Tuesday Oct 3, 2017. HSS monthly meeting, Round Table Pizza, 11095 Warner Ave. General meeting, 7 PM. See P.15 for details.
- Tuesday October 3, 2017. HSS monthly meeting, Round Table Pizza, 11095 Warner Ave. General meeting, 7 PM. See P.15 for details.
- Sunday October date TBD. Ninth SC-2 soaring competition. Check with <https://www.sc2soaring.com>.



August 1, 2017 General Meeting Minutes

Our club secretary, Bruce Gale, was unable to attend the August 1 meeting. Fortunately, Joni Whitsitt, our club president was able to provide the following. Thanks loads, Joni. Ed.

Harbor Soaring Society General Meeting, Tuesday, August 1, 2017

The General meeting of HSS was held at Round Table Pizza, Fountain Valley, CA. on Tuesday, August 1, 2017. The meeting was convened at 7:09 PM, conducted by Joni Whitsitt, President.

Board and Steering Committee Members in attendance were; Joni Whitsitt, President, Henry Smith, Vice-President and Mike Gaczowski, Treasurer.

The meeting began with the Pledge of Allegiance.

Announcements-Events, by Joni Whitsitt

The field will be closed Sunday, August 6th from 7:00 am to 12:00 pm for the Annual 5K OCTC.

HSS Annual RES/Woody Contest, Sunday, August 13th starting at 8:30 am, field closed to all electric and public flyers 7:00 am to 3:00 pm.

OCMA and Associated Club are holding AMA National Day, Sunday, August 13th at 9:00 am. This is a fund raiser for Sempra Fi Fund, a non-profit organization supporting Marines at Camp Pendleton.

Increased cost of Flying Permits

The City of Costa Mesa Parks and Recreation has increased the flying permit fees for 2018.

Annual Adult Permit Fee (Resident of Costa Mesa) \$50.00 (Was \$25 in 2017).

Annual Adult Permit Fee (Non-Resident) \$55.00 (Was \$25 in 2017).

Annual Learner's Permit Fee (Resident, 6yrs-14yrs) \$30.00 (Was \$15 in 2017).

Annual Learners Permit Fee (Non-Resident, 6yrs-14yrs) \$35.00 (Was \$15 in 2017).

New permits will be issued to any patron that can furnish valid (2018) AMA card or provide proof of homeowner's insurance that lists their aircraft as being covered. Per Justin Martin, Director Parks & Community Services, City of Costa Mesa. Editor's comment: Flagrant and inflationary!

Air Show

CAP Captain Joel Jones commented on the Breiting Huntington Beach Air Show, Friday, Sept. 29, 30th and October 1st. This year event central will be half way between Huntington Beach pier and Beach Blvd. Joel commented that the area reserved for the parachutist's arrival will be opened to the public. Fairview Model Airport will be closed all (3) three days from 12:00 pm to 4:00 pm per Robert Staples, City of Costa Mesa.

Christmas Party

Mike Gaczowski and I visited the Super A Mexican Restaurant in Costa Mesa (Fairview & Baker) They have a large private room with a bar available for our Annual Christmas Party, Tuesday, December 5th.

Joni proposed the club hold the Christmas party at Super A, with a show of hands the membership agreed. Details of location, menu, and agenda for the Christmas Party will be provided in future newsletters.

Old Business: None

Guest Speaker: Clint Brooks

Our Guest Speaker this evening is Clint Brooks, a lifetime modeler with FF, U-control and RC background.

Clint comes from a traditional modeling background where you built your own models or you didn't participate. Clint gave a power point presentation on FF models under CB Model Designs. In the past Clint has been very active in other clubs in the area he is currently with the SCAMPS FF group and their newsletter editor for many years. Our many thanks to Clint for the presentation, great job.



August 1, 2017 General Meeting Minutes (Continued)**Opportunity Drawing:**

Item:	Winner:	Item:	Winner:
Drill & Tap	Clint Brooks	F86 Saber	Ryan McMinimy
Sonic Airplane	Larry Koch	Hat	Ralph Siegfried
Airplane ?	Ted Broberg	Screwdriver	Mike Fox
Super Chipmunk	Kevin Koch	Tail wheel system	Jesse Calleros
Decathlon airplane	Mike Gaczowski	Wings	Joel Jones
Cessna airplane	Charlie Siegfried		

(all the airplanes listed above were donated by the wife of Ray Young, Scale Squadron member who passed away two years ago.)

Members in Attendance:

Joni Whitsitt
 Ryan McMinimy
 Mary Lou Calleros
 John Rittenhouse
 Ross Thomas
 Kevin Koch
 Ted Broberg
 Guests:

Mike Gaczowski
 Mike Fox
 Joel Jones
 Ralph Siegfried
 Maxine Thomas
 Larry Koch

Henry Smith
 Jesse Calleros
 Mike Costello
 Charlie Siegfried
 Rob Askegaard
 Randy Wilbur

Greg Stone, AMA District X Associate VP, Clint and Allison Brooks.

The meeting was adjourned at 8:56 pm. Respectfully, Joni Whitsitt, President, Harbor Soaring Society



Clint Brooks was speaker at the August General Meeting.



Joel Jones discusses HB air show.

Donations For Club Raffles

Members are invited to donate planes, radios, and all the things needed to keep them flying. These will be used for the raffles held at each monthly General Meeting. Stuff can be anything that has some value and/or can be repaired. Contact Henry Smith III with your donations. Contact info on last page of this newsletter.



Report on National Model Aviation Day August 12, 2017,

Saturday August 12 was the National Day of Flight at OCMA Black Starr field, an event that is organized by the AMA and held nationally. Randy Wilbur has provided the following very excellent report on activities.

Thanks, Randy.

Sunday the 13th was a beautiful day in Southern Cal. The day wasn't too hot, the wind wasn't too strong. I had not been to the field, on a Sunday, for quite a few years due to my work schedule. This was truly the right day to call in sick and the right cause to contribute to. That cause was to help support our wounded Marines at Camp Pendleton. The Semper Fi Fund is locally managed by all volunteers and puts 91.8% of the proceeds into helping the soldiers.

The day started with open flying and 45 pilots in attendance. There were 3D planes, scale war birds, civilian, u-control, drones and fun fly airplanes just having a ball burning holes in the sky. We were given several showings of a glider tow. A scale Ag Cat towed up a good sized flat winged glider. The second towing saw the glider dip inside the tow circle, the string went limp and the glider had to cut away. Not as easy as it looks.

Several of the large-scale 3D flyers gave us a showing of IMAC routines. Henry Smith gave flying lessons to 5-6 young kids at the field. Apparently, the girls listened and did the best flying. Hand launched foam gliders were given out to the kids who tried the buddy box and flew.

Greg Stone and crew of volunteers put together the lunch of hotdogs, chips and drinks. Everyone had such a fun time that OCMA's Board is thinking of doing an open fun fly again this year. Keep looking out for that.

The event raised over \$430 cash that day. OCMA Board and its participating clubs have donated somewhere in the neighborhood of \$1500. when all donations are collected. Thank you all for helping and participating in this very worthy cause. Yes, it does feel good to give back now and then.

Randy Wilbur

RC Aircraft Found

We have been contacted by Craig Okun of the Orange County Model Engineers concerning a plane he found.

On 14 August Craig sent the following:

Plane found while clearing brush by OCME at Fairview Park. In fairly good condition made of foam. Number on tail 140025. Might be one of your members. Please check. If they can describe it I will return it. Contact Craig at bigokun@sbcglobal.net.

Speaker for the HSS September 5, 2017 Meeting

Your newsletter editor (Fred Hesse) has prepared a PowerPoint slide show on the topic of solar powered aircraft. Examples include full size successes, and a feature of Solar Wonder, the 14 ft span solar powered plane he developed several years ago. Discussion includes first principles determination of available solar energy, design development details, full description of the Solar Wonder parameters, and a short video of a more recent flight. This show was prepared for Civil Air Patrol Squadron 68, and the September 5 presentation is a practice run prior to Squadron 68. Of course Solar Wonder (we "wondered" if it would fly) will be there for touchy feely observation and minor demonstration. CAP Captain Joel Jones and other CAP officers have been invited to preview the presentation. Come join us at the September 5 meeting to learn more about this exciting form of aircraft propulsion.



2017 Consolidated Schedule of RC Events

The following activities are planned by this group known as The Inland Valley Clubs, located east of Orange County. Part of the Southern California Soaring Clubs (SC2) competition schedule is included.

- ... Sunday, February 26th SC2 Soaring Contest at Hemet Model Masters Lakeview/Davis Field
- ... March 3/4/5th Coachella Valley RC Club IMAC Event
- ... Saturday, March 4th Orange County Modelers Association Swap Meet
- ... March 17/18/19th Victor Valley RC Flyers IMAC Event
- ... March 18th/19th Hemet Model Masters Harry Gould Memorial Pattern Contest
- ... Saturday, March 18th Corona RC Club Float Fly at Lake Perris
- ... Saturday, March 25th Gilman Springs RC Flyers Club 40 Pylon Race
- ... Saturday, April 8th Hemet Model Masters Springtime Fun Fly
- ... Saturday April 8th Menifee Valley Flyers Bomb Drop Competition
- ... April 8/9th US Scale Masters Qualifier/School at Gilman Springs RCF
- ... Sunday, April 9th Chino Flyers Trainer 40 and Club 40 Pylon Races
- ... Saturday, April 22nd Victor Valley RC Flyers Warbirds Pylon Race
- ... Sunday, April 30th SC2 Soaring Event at the SCAMPS Field (next to RRCC Field)
- ... Saturday May 13th Menifee Valley Flyers Spring Swap Meet
- ... May 12/13/14th Hemet Model Masters "IMAC Event"
- ... Sunday, May 21st Victor Valley RC Flyers SC2 Glider Event
- ... May 20/21st Riverside RC Club Quickie 500 Pylon Race
- ... Saturday June 10th Menifee Valley Flyers Electric Glider Competition
- ... Saturday, June 10th Victor Valley RC Flyers Fun Fly
- ... Saturday, June 10th Riverside RC Club Classic Pattern Get Together
- ... Sunday, June 11th Chino Flyers Trainer 40 and Club 40 Pylon Races
- ... Saturday, June 17th Corona RC Club Fun Fly
- ... Sunday June 25th Fifth SC2 Soaring Competition. Harbor Soaring Society.
- ... Saturday, July 1st Victor Valley RC Flyers Combat Event (Fly Till You Die)
- ... Sunday July 16th Sixth SC2 soaring competition. Inland Soaring Society.
- ... Saturday August 5th Menifee Valley Flyers Members Appreciation Night Fly
- ... Saturday August 12th Menifee Valley Flyers Summer Swap Meet
- ... Sunday, August 13th Chino Flyers Trainer 40 and Club 40 Pylon Races
- ... Saturday, September 9th Hemet Model Masters Autumn Swap Meet
- ... Saturday, September 9th Victor Valley RC Flyers Warbirds Pylon Race
- ... Saturday, September 16th Victor Valley RC Flyers Tailhook Contest
- ... September 22/23/24th Victor Valley RC Flyers IMAC Event
- ... Saturday September 23rd Menifee Valley Flyers Annual Poker Fly
- ... Sunday, October 8th Chino Flyers Trainer 40 and Club 40 Pylon Races
- ... October 21/22nd AMA District 7 Pattern Championship at the RRCC Field
- ... Saturday, October 28th Corona RC Club Halloween Float Fly at Lake Perris
- ... November 4/5th F3J Soaring Event at the SCAMPS Field (next to RRCC Field)
- ... Saturday November 25th Menifee Valley Flyers Fall Swap Meet
- ... Sunday, December 10th Chino Flyers Trainer 40 and Club 40 Pylon Races

Rev: 28 June, 2017



HSS Annual RES / Woody Contest Results

HSS Annual RES / Woody Contest was held Sunday August 13th at the Fairview Park Model Field. Thirteen entrants were tasked with four rounds of precision duration with a spot landing bonus. The first two rounds were 8 minutes and the next two were 10 minutes. Each flight was worth a maximum of 1000pts (950 flight points and 50 point graduated landing bonus). Pilots came from Thousand Oaks, Huntington Beach as well from within the HSS ranks. Each class was hotly contested with cycles of lift and sink passing through all day long. Two or three pilots lost flight points landing off field trying to stretch their glides to the maximum. Precise landings were required in addition to making time in order to do well. Jim Sonnenmeier was the Contest Director but everyone helped each other throughout the day with timing and scoring. Special mention and thanks goes to Bruce Schaefer for working on the winch and Erv Szego for supervising equipment setup and tear down. Results and photos of winners are shown below.

Harbor Soaring Society Annual RES / Woody Contest

August 13, 2017 Harbor Soaring Society field at Fairview Park, Contest Director Jim Sonnenmeier
4 flights, 2 rds 8 min, 2 rds 10 min, 950 pts per flight +50 landing bonus max score 4000 pts

Woody Class

	Name	Plane	Score
1	Mike Reagan	Paragon	3339.6
2	Bob Sliff	3m Gnome	3063.7
3	Chris Adanczyk	Bubble Dancer	2922.6
4	Erv Szego	3m Gnome	2853.2
5	Bruce Schaefer	Bubble Dancer	2561.1
6	Ed Abersong	Avia 2.5m	1852.1
7	Ross Thomas	3m Gnome	1310.9

RES Class

	Name	Plane	Score
1	Mike Reagan	Ava	3964.7
2	Walter Higgins	Eagle	3084.7
3	Ron Creager	Topaz	2850.3
4	Ed Abersong	Oly 3	2710.1
5	Mike Morejoseph	Ava	2649.7
6	Chris Adamczyk	Bubble Dancer	2513.9

Winners RES Class**Winners Woody Class**

SC-2 Competition Results

Thanks to Jim Sonnenmeier, we have results for the 6th and 7th Southern California Soaring Club's (SC-2) competitions. These are monthly events hosted by member clubs.

Below is the results for the event hosted by Inland Soaring Society, in Riverside.

SC2 Contest # 6						Hosted By ISS										Normalized Sort				Contest Entries	
Inland Soaring Society - Riverside July 16, 2017						Contest Director: Mike Lee Scorekeeper(s): Les Ward & Tom Trivitt														22	
Thermal Duration						Round 1, 8 mins.			Round 2, 10 mins.			Round 3, 10 mins.			Round 4, 9 mins.			Overall		LSF	
Place	PID	Pilot	Club	Class	L	T1	L1	S1	T2	L2	S2	T3	L3	S3	T4	L4	S4	Overall	Norm	Points	
1	117	Jolly, Larry	TPG	E	W	8.02	45	991.0	10.00	45	995.0	10.00	40	990.0	9.01	50	998.2	3974.3	1000.0	2200.0	
2	107	Filice, Gary	TOSS	E	W	7.57	35	979.1	10.01	40	988.4	9.59	50	998.4	9.00	50	1000.0	3965.9	997.9	2095.6	
3	436	Reagan, Mike	TOSS	Res	W	7.57	40	984.1	9.59	50	998.4	10.01	40	988.4	8.58	40	986.5	3957.4	995.7	1991.5	
4	202	Hess, Stephan	TPG	I	W	7.58	30	976.0	10.00	40	990.0	10.01	45	993.4	8.59	40	988.2	3947.7	993.3	1887.3	
5	425	Higgins, Walter	TOSS	Res	W	8.02	40	986.0	10.00	20	970.0	10.00	45	995.0	9.00	35	985.0	3936.0	990.4	1782.7	
6	110	Schwemmer, Rick	ISR	E	W	7.59	15	963.0	9.57	35	980.3	9.59	30	978.4	9.02	45	991.5	3913.2	984.6	1673.9	
7	112	Garber, Jonathan	TPG	E	W	7.59	30	978.0	9.56	30	973.7	9.58	35	981.8	8.59	20	968.2	3901.8	981.8	1570.8	
8	142	Throop, Terry	SULA	E	W	7.49	30	958.2	9.50	30	964.2	9.54	40	980.5	8.51	40	974.2	3877.1	975.5	1463.3	
9	129	Pearson, Rick	VVRC	E	W	8.05	50	990.1	9.59	5	953.4	10.05	0	942.1	8.53	40	977.7	3863.3	972.1	1360.9	
10	139	Stewart, Ed	ISS	E	W	8.02	35	981.0	10.00	35	985.0	9.18	40	923.5	8.47	30	957.1	3846.7	967.9	1258.3	
11	5	Trivitt, Tom	ISS	E	W	7.57	35	979.1	10.00	0	950.0	9.57	45	990.3	6.16	0	661.5	3580.8	901.0	1081.2	
12	4	Thonet, Andy	SWSA	E	W	7.58	40	986.0	10.00	30	980.0	10.01	25	973.4	5.33	0	585.8	3525.3	887.0	975.7	
13	203	Stanton, Steve	ISS	I	W	7.59	40	988.0	9.56	35	978.7	10.06	35	975.5	3.43	0	392.3	3334.5	839.0	839.0	
14	145	Reagan, Mike	TOSS	E	W	7.59	45	993.0	9.57	45	990.3	3.46	50	407.8	6.40	0	703.7	3094.8	778.7	700.8	
15	1	Lee, Mike	ISS	E	W	5.26	0	645.2	9.57	40	985.3	5.26	0	516.2	8.56	0	943.0	3089.6	777.4	621.9	
16	303	Tau, Manny	SC2	S	E	7.53	25	961.1	7.56	0	753.7	3.17	20	331.9	8.58	10	956.5	3003.2	755.7	529.0	
17	411	Aber-Song, Ed	EDSF	Woody	W	6.18	30	778.1	10.10	0	934.2	9.58	0	946.8	2.56	0	309.6	2968.8	747.0	448.2	
18	446	Filice, Gary	TOSS	Res	W	7.57	30	974.1	9.51	40	975.8	5.23	0	511.4	3.19	30	380.1	2841.3	714.9	357.5	
19	200	Douglas, Ian	SWSA	I	W	8.00	0	950.0	9.55	20	962.1	3.16	0	310.3	4.21	0	459.2	2681.6	674.7	269.9	
20	306	Smith, Paul	ISS	S	W	7.58	0	946.0	10.03	0	945.3	1.58	10	196.8	3.57	0	416.9	2505.1	630.3	189.1	
21	307	Summers, Sean	ISS	S	E	1.58	0	233.5	3.59	0	378.4	1.34	0	148.8	3.21	0	353.6	1114.4	280.4	56.1	
22	109	Ward, Les	ISS	E	W	7.56	15	957.1	0.00	0	0.0	0.00	0	0.0	0.00	0	0.0	957.1	240.8	24.1	

While a number of SC-2 member clubs have not been able to sponsor an event due to loss of flying sites, we have a new participant in the form of Hemet Model Masters, in Nuevo, CA. They hosted the 7th event on August 20, 2017. Here are the results.

SC2 Contest # 7						Hosted By HMM										Normalized Sort	Contest Entries			
Hemet Model Masters - Nuevo, CA August 20, 2017						Contest Director: Terry Throop Scorekeeper(s): Les Ward & Tom Trivitt											22			
Thermal Duration						Round 1, 8 mins.			Round 2, 9 mins.			Round 3, 10 mins.			Round 4, 10 mins.			Overall		LSF Points
Place	PID	Pilot	Club	Class	L	T1	L1	S1	T2	L2	S2	T3	L3	S3	T4	L4	S4	Overall	Norm	
1	145	Reagan, Mike	TOSS	E	W	8.00	25	975.0	8.40	10	924.8	10.02	25	971.8	10.01	20	968.4	3840.1	1000.0	2200.0
2	129	Pearson, Rick	VVRC	E	W	7.50	50	980.2	9.00	25	975.0	9.50	0	934.2	10.00	0	950.0	3839.4	999.8	2099.6
3	4	Thonet, Andy	SWSA	E	W	8.04	0	942.1	9.01	25	973.2	10.00	0	950.0	10.02	25	971.8	3837.2	999.2	1998.5
4	107	Filice, Gary	TOSS	E	W	8.04	25	967.1	8.57	0	944.7	10.03	0	945.3	10.05	10	952.1	3809.1	991.9	1884.7
5	110	Schwemmer, Rick	ISR	E	W	7.57	0	944.1	9.02	10	956.5	7.14	10	697.2	9.57	0	945.3	3543.0	922.6	1660.7
6	5	Trivitt, Tom	ISS	E	W	7.58	0	946.0	8.58	0	946.5	7.15	0	688.8	9.49	0	932.6	3513.9	915.1	1555.6
7	436	Reagan, Mike	TOSS	Res	W	4.16	10	516.7	8.58	50	996.5	9.57	50	995.3	10.01	25	973.4	3481.8	906.7	1450.7
8	106	Dora, John	ISS	E	W	7.56	0	942.1	5.00	20	547.8	10.00	25	975.0	10.00	0	950.0	3414.9	889.3	1333.9
9	202	Hess, Stephan	TPG	I	W	8.01	10	958.0	8.58	10	956.5	8.00	0	760.0	5.23	0	511.4	3185.9	829.7	1161.5
10	303	Tau, Manny	SC2	S	E	7.02	10	845.2	8.00	25	869.4	9.12	0	874.0	6.10	0	585.8	3174.5	826.7	1074.7
11	103	Townsend, Craig	SULA	E	W	6.38	0	787.7	8.58	0	946.5	4.41	0	444.9	10.00	0	950.0	3129.1	814.9	977.8
12	306	Smith, Paul	ISS	S	W	7.40	0	910.4	8.13	0	867.3	9.58	0	946.8	4.06	0	389.5	3114.1	810.9	892.0
13	446	Filice, Gary	TOSS	Res	W	3.47	0	449.3	4.49	25	533.4	9.58	25	971.8	9.55	25	967.1	2921.6	760.8	760.8
14	1	Lee, Mike	ISS	E	W	3.00	0	356.3	9.05	25	966.2	10.00	0	950.0	6.30	10	627.5	2900.0	755.2	679.7
15	142	Throop, Terry	SULA	E	W	6.25	10	772.0	8.56	0	943.0	4.59	0	473.4	4.12	0	399.0	2587.4	673.8	539.0
16	425	Higgins, Walter	TOSS	Res	W	8.04	0	942.1	9.00	10	960.0	4.04	25	411.3	2.52	0	272.3	2585.8	673.4	471.4
17	109	Ward, Les	ISS	E	W	4.43	25	585.1	8.56	10	953.0	5.06	0	484.5	5.17	0	501.9	2524.5	657.4	394.4
18	203	Stanton, Steve	ISS	I	W	7.41	0	912.4	5.42	0	601.7	7.21	0	698.3	3.13	0	305.6	2517.9	655.7	327.8
19	411	Aber-Song, Ed	EDSF	Woody	E	8.06	0	938.1	4.47	0	504.9	4.27	0	422.8	4.15	0	403.8	2269.5	591.0	236.4
20	307	Summers, Sean	ISS	S	E	6.16	0	744.2	9.23	0	909.5	0.50	0	79.2	1.07	0	106.1	1839.0	478.9	143.7
21	139	Stewart, Ed	ISS	E	W	5.14	25	646.5	0.00	0	0.0	0.00	0	0.0	0.00	0	0.0	646.5	168.3	33.7
22	433	Thomas, Ross	HSS	Woody	W	0.00	0	0.2	0.00	0	0.0	0.00	0	0.0	0.00	0	0.0	0.2	0.1	0.0

For the schedule of remaining events in the 2017 season, try the SC-2 web site (sc2soaring.com) However, This web site seems to have been abandoned. Try going to <http://www.rcgroups.com/forums/showthread.php?t=2572561&page=1> and sort through more than 11 pages of comments which are at least in chronological order. Alternately, try <https://www.rcgroups.com/forums/showthread.php?2806592-SC2-2017-Southern-California-Soaring-Clubs-Official-Thread> . Not nearly as convenient as the old way of getting results from the SC-2 web site.



New Planes from Hobby Club

Alberto Dona has been a long time member of HSS, and also owner of Hobby Club in San Clemente. See his ad in the last pages of this newsletter. Alberto is pleased to announce the following.

Just a quick note to introduce to you some new F5J class e-Gliders, imported from the Czech Republic. Excellent (second to none) workmanship and performance, with "down to earth" prices.

Also would like to let you know that we're now offering the Taranis and Frsky RC lines.



HOBBY CLUB

P.O.Box 6004, San Clemente, Ca. 92674 - U.S.A.

(949) 425-1362

(877) 235-0702 Fax

<http://www.hobbyclub.com>

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Available now: Horejsi Geronimo e-Glider



ARF WITH CONTROLS: Ailerons, Flaps, Motor, Rudder, Elevator

Wingspan	100 in. (2540 mm)
Length	55.5 in. (1410 mm)
Airfoil	AG 41, 42 & 43
Weight (empty)	17.2 oz (490 grs)
Weight RTF	30.7 oz (780 grs)
Wing Loading	5.47 oz/ft ² (18g/dm ²)
Introductory price	\$549.95



New Planes from Hobby Club (Continued)



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P.O.Box 6004, San Clemente, Ca. 92674 - U.S.A.

(949) 425-1362

(877) 235-0702 Fax

<http://www.hobbyclub.com>

e-mail : hobbyclub@earthlink.net

Available now: Horejsi Q12-X e-Glider



ARF WITH CONTROLS: Ailerons, Flaps, Motor, Rudder, Elevator

Wingspan	78.7 in. (2000 mm)
Length	47.6 in. (1210 mm)
Airfoil	AG 40, 41, 42 & 43
Weight (empty)	9.7 oz (290 grs)
Weight RTF	17.5 oz (500 grs)
Introductory price	\$399.95



Model of the Month

Here is a neat project worthy of "Model of the Month". Gary Favilla scratch designed and built this neat "pseudo WW I British" fighter. Looks good and flies very well. Construction is sheet foam wings with built up fuselage. 36" span. Nice work Gary.

Photos courtesy of Rob Askegaard, our club photographer.



Here is Gary getting things ready for a flight.



A B-29 Named “Doc” (Thanks to Rob Askegaard)

OSHKOSH, Wisconsin—The world's second flying B-29 Superfortress completed a 17-year journey with its arrival at EAA AirVenture here on July 22, 2017.

I was privileged to join the adventure of flying the newly-restored bomber known as “Doc,” first to Cedar Rapids, Iowa, for a special event, and then to Oshkosh where it will join Fifi, the world's other flying B-29, in the first formation of these aircraft in the past 50 years.

The B-29 Superfortress, the first pressurized and long-range bomber, is more complicated to fly than one would expect.

On the flight to Oshkosh, flight engineer Ken Newell starts up the four Wright 3350, 2200-hp engines—engine 3, then 4, 2 and 1, like an old car, with the right mixture of fuel and power to nurse them rumbling to life. It's the flight engineer's job to monitor the engines and sync the propellers.

With no nose-wheel steering, Pilot Mark Novak uses a combination of brakes and throttle for taxi in a dance down the taxiway and onto the runway. Once rolling, the rudders become effective at about 50 or 60 mph.

“Flying the B-29 is an amazing thing,” said Novak, who has spent a lifetime flying military aircraft and who flies Fifi. “I cherish every moment I can do it. The B-29 has a step. When you're below about 170 mph, it's sort of like a big pickup truck—almost like flying a dump truck. Once you get above 170 mph, it flies very responsive.”

The aircraft is not good in crosswinds. Anything over a 15-kt. direct crosswind and they don't take it up, said Sean Elliott, who flies second-in-command. For one, the long propellers are so low to the ground, “you can't crank in a lot of bank angle,” Elliott said.

Crew designated as scanners sit in the center of the aircraft and watch the landing gear and flaps to verify they're moving, look for oil leaks and in general serve as the pilots' eyes and ears from the propellers to the back. Each engine takes 80 gal. of oil. The aircraft burns roughly \$3,000 of fuel per hour.

From its home in Wichita to Cedar Rapids for the first leg of the trip, Doc flew at an altitude of 5,500 ft. at 225 mph. In wartime, the then-pressurized aircraft flew at more than 30,000 ft., but there are no plans to fly it at that altitude today.

In the cabin, noise levels reach a loud 101 to 107 decibels, making conversation nearly impossible.

On the way to Iowa, the aircraft carried 13 people, including seven crewmembers—two pilots, a flight engineer, a navigator-flight engineer and three scanners.



A B-29 Named "Doc" (Continued)

Doc's crew is lighter than the standard crew of 10 when it also carried a bombardier, a gunner in the central fire control seat and a tail gunner. Scanners were also gunners during the war. The B-29s could also carry up to 20,000 lb. of weapons.

Once airborne, I sat in the various positions where the young men flew 16-hr. bombing runs from the B-29 base Tinian in the Mariana Islands to Japan and back. While the aircraft could climb to altitudes not within reach by the enemy, they were often chased until they could reach a safe height.

One of the most interesting of seats is the bombardier's position in the nose. There, the young gunners could see the world go by at 200-250 mph with only glass separating them and the enemy. It would be a wild ride in combat.

The central fire control seat in the middle of the aircraft is secured on a raised platform and swivels 360 deg. It allowed the gunner, who electronically controlled the gun turrets onboard, to look through a raised bubble to scan the sky. On either side are the scanners, and behind them the passengers who sit on [Cessna](#) Caravan seats installed for their use.

A long tunnel extends from the cockpit to the center of the aircraft, which means crawling on hands and knees between areas.

At the tail, the tail gunner's position had to be the loneliest. While the section is pressurized, the area around it is not, so the gunner could only enter or leave at lower altitudes. Long bombing runs meant hours of isolation in flight.

Doc's arrival in Cedar Rapids for a special event drew 2,000 people who waited more than 2 hr. to board the historic aircraft. Lines were so long that the event, scheduled to end at 7 p.m., lasted until 9 p.m. only when it was too dark to see inside.

Jerome Micka, 93, who flew 29 missions on the B-29 during World War II, came out to view the aircraft, choking up at its sight. His last mission was a relief mission dropping food, medicine and clothing to U.S. prisoners of war held by the Japanese in China. In another mission, "we got shot up and it knocked out two of our (engines) there," he said. The aircraft had to land in Okinawa. "We only had one chance to land."

Nearly 4,000 B-29 bombers were built during and just after World War II. Doc was built in 1944 inside [Boeing](#) Wichita's Plant II. It was part of a squadron of eight aircraft known as Snow White and the Seven Dwarfs. It flew during the Korean War and was decommissioned in 1956.

Doc's landing at Oshkosh for EAA AirVenture was met by Tony Mazzolini, who rescued Doc from the Mojave Desert where it had spent 42 years as a sanctuary for birds and other desert creatures. Mazzolini served as a flight engineer on a variety of military aircraft during the Korean War. The project began as a suggestion during a meeting of military aircraft buffs when they were kicking around ideas for a restoration project. After Doc's discovery in 1987, it took 12 years to take possession.

In 2000, the aircraft rolled into Wichita in pieces on the back of six flatbed trucks, and work began in a donated Boeing hangar where it was first built. When Boeing downsized, work was halted and the aircraft was kept in storage for a time. In 2013, a group of Wichita business leaders, led by retired Spirit Aerospace CEO Jeff Turner, formed Doc's Friends, a non-profit organization, to complete the work. After 16 years and more than 350,000 hr. of volunteer time to restore it to flyable condition, the aircraft flew for the first time a year ago.

Doc's Friends is raising money to build a special hangar and education center for the aircraft at Wichita Eisenhower National Airport where it will be on display when it is at home. So far, \$4.5 million of the \$6.5 million needed has been raised. The organization is selling memorial bricks and has started a GoFundMe page to raise the remainder of the money. It also is selling memorabilia. Hangar construction begins in September.

"To see this aircraft back in the air again and to look at it and its size, it's hard to image it even got it out of the desert, first of all," Mazzolini said after the aircraft's arrival in Oshkosh. "I never knew what hurdles I was going to come up with in the course of getting it back in the air." Tribute is due to the volunteers who restored it and brought the dream to reality, he said.

The restored aircraft is a flying tribute to the men and women who designed, built and flew the B-29. Doc is on display through EAA AirVenture July 24-July 30. It will be used a flying museum at events around the country.



Silent Electric Flyers of San Diego

Silent Electric Flyers of San Diego is one of the biggest model clubs in California. With over 360 members, it has an excellent dirt runway, a float fly facility, and a large building for indoor flying. The club web site address is www.sefsd.org which takes you to their very excellent club newsletter, "Peak Charge" which is prepared by Steve Belknap. The club is very active with competitions in electro-glide, EMAC, F5B and F5D, and particularly First Person View multirotor racing as evidenced in the flyer below. If you wonder what is the big deal about FPV racing, access <https://youtu.be/mzz7MTjXeoE> for a video of flying the course. It is spectacular.



SEFSD Announcement

August 17, 2017

FINAL PRACTICE RACE!

Come and master the final track of the season.
Practice will be minimum setup and low tech with no flags or transponders.

See the YouTube video link below to study the track.
It shows both Sportsman and Pro tracks.
Be there on Saturday, Aug 19th 2017
Practice starts at 07:00am and ends promptly at 11:00am

<https://youtu.be/mzz7MTjXeoE>

Steve Belknap editor@sefsd.org

SEFSD Website: SEFSD.org

Join Our Mailing List!



HSS Membership – Renew now if you haven't.

Our 2017 HSS membership enrollment season is in full swing. Note that the new membership rate of \$25 per year is now in effect. PayPal will no longer be accepted as the cost and inconvenience did not justify the service. The latest membership application, dated 16 Jan 2017, 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 18 of this newsletter.

Interesting Links

Here are some internet links that might be of interest, provided by Jim Sonnenmeier. Thanks, Jim. - Ed.

Liquidation of the Antonov An-225 Mriya corporation. <http://www.wingsnews.org/goodbye-antonov-the-end/>

Pilotless Commercial Aircraft? Follow the Money. <http://aviationweek.com/commercial-aviation/pilotless-commercial-aircraft-follow-money>

A British enthusiast that really loves model airplanes.

<https://www.facebook.com/bbcradiobristol/videos/1460691677321267/>

ELFE P2 100% M 1:1 FULL SCALE RC GLIDER - model !!! <https://www.youtube.com/watch?v=gqvtRowE08c>

Firefighting Planes scooping water <http://www.popularmechanics.com/military/aviation/news/a27473/watch-these-firefighting-planes-take-on-water/>

More Interesting Links

Henry Smith III sent in an interesting link concerning a new use for drones. <http://nawindpower.com/3m-partnership-use-drones-apply-wind-turbine-maintenance-products>

Another good recommendation from Jim Sonnenmeier is this transforming drone.

<https://www.facebook.com/circuitbreaker/videos/1821210664838421/>

And: A reasonable summary, how a bypass jet engine works. <http://www.sh.logicstir.com/2017/07/09/turbo-fan-engine-cfm56-7-work/>

Also from Jim Sonnenmeier: Van Nuys Airport: The Story of an L.A. Icon

<https://www.discoverlosangeles.com/blog/van-nuys-airport-story-la-icon>

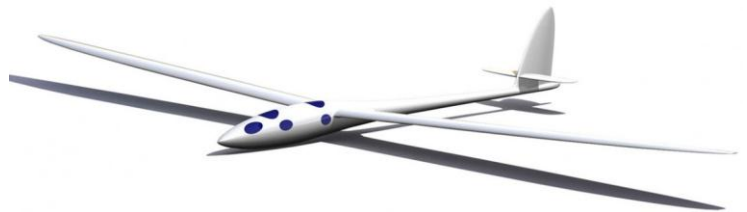
Perlan 2 Research Glider Intended for Altitude of 90,000 Feet

Perlan 2, benefitting from the lessons learned on Perlan 1's ascent, incorporates a pressurized cabin to allow its pilots to enjoy unencumbered flight. The cabin pressure of 8.5 pounds per square inch (psi) gives a cabin atmosphere equal to about 14,000 feet. With an empty weight of 1,100 pounds, and a wing area of 262 square feet, the 84-foot span machine is amazingly light for the structural strength required for stratospheric flight.

With more wing area than a conventional sailplane, it is designed for the thin air at 90,000 feet, with 98 percent of the earth's atmosphere beneath it, it will be unrivalled. Check the link <https://twitter.com/PerlanProject> for more details on the scientific goals of this project.

Article courtesy of Jim Sonnenmeier.

Thanks, Jim.



Finally, the FAA Registration Refund (Repeat article)

The FAA is offering reimbursements for the registration fee it previously charged drone owners.

A [recent decision](#) by the U.S. Court of Appeals for the District of Columbia Circuit regarding the small UAS registration program left a lot of people wondering about one thing: Where's that \$5 I spent on the registration going? All in all, the FAA collected somewhere in the neighborhood of \$4 million through more than [820,000 registrations](#), so it was a valid question to ask.

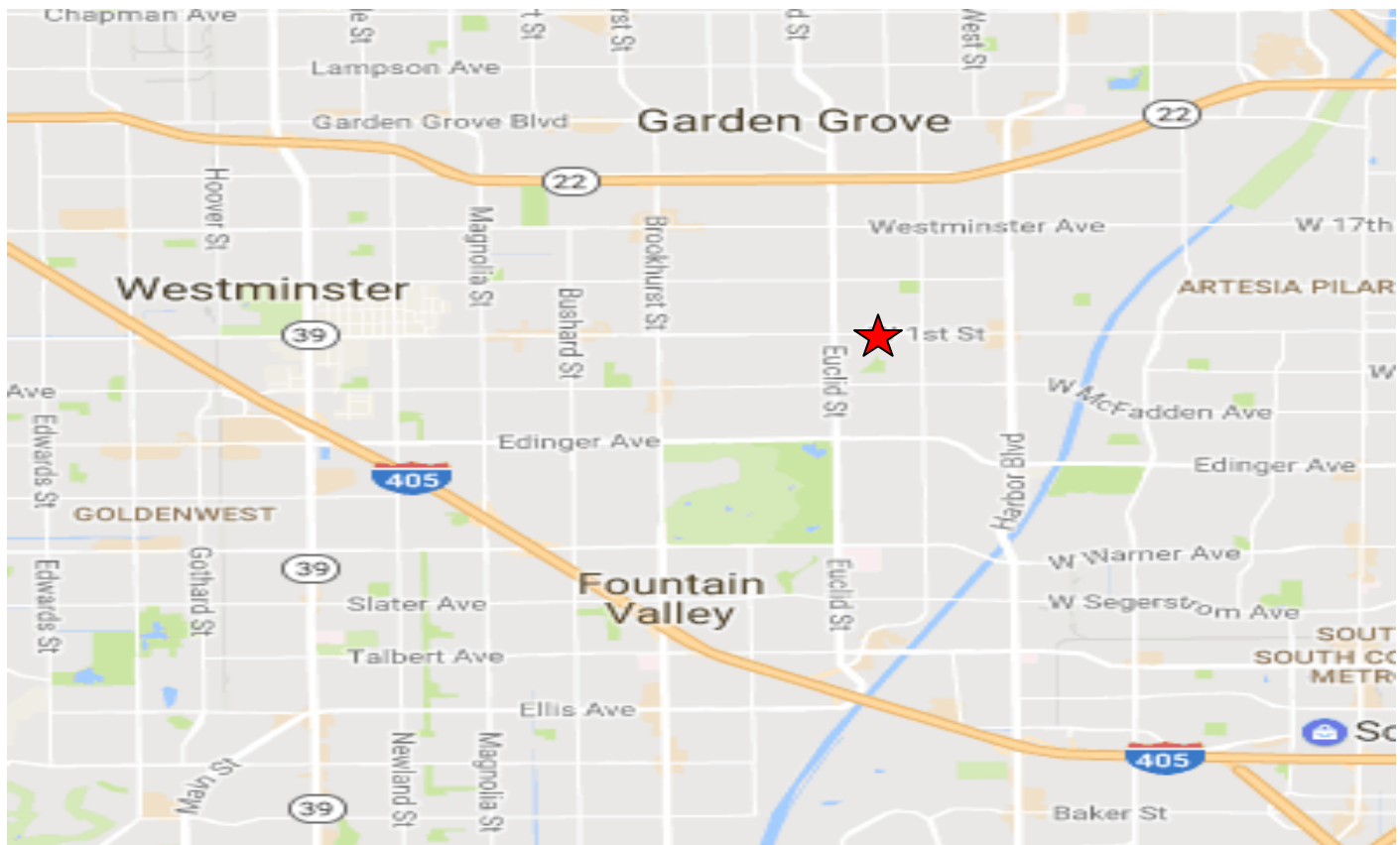
The FAA now has a page on its website [where you can fill out](#) a Registration Deletion and Self-Certification Form, which will delete your registration and get you a refund for your fee.

You must mail in the filled out form to the FAA at the address designated on the form to get your money back. The FAA web site to obtain the form is shown below.

https://www.faa.gov/uas/getting_started/registration_deletion/media/FAA_Registration_Deletion_and_Refund_Form_Instructions_FINALv2.pdf

September 5, 2017 Meeting Announcement

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 \$8.99. Fountain drinks are an additional \$1.59, 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. The location map is shown below. Note that Fred Hesse will present a slide show on solar powered flight. Topics will include previous successes, and design concepts for your own solar powered plane.



Seen Around the Field

Photos and captions thanks to Rob Askegaard.



Charles Siegfried with his E-flite "Ascent" and Slow Stick.



Bob Davy with his "Extra 360SP."



Stefan Steinberg training on his "Calypso" with Bob Davy.



Kevin Koch and Bob Shourt with Kevin's biplane of unknown name.



Seen Around the Field (Continued)

Bruce Schaefer prepares his big thermal duration glider. Above, Rob Askegaard caught it in flight.



Dave Dangand holds his foam EDF DeHavilland Vampire. Gary Gullickson's Waco in a vigorous climb out.



Jerry Smith and his large foam T-28 with retracts.



2017 City Flying Permits Available

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 Members For 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 who wishes a high quality print or jpg file of their favorite plane should contact Rob, or your editor. Phone and E-mail contact information are shown on the last page of this newsletter.



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.

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>

Plane Rap Archives

Thanks to John Brown, a previous editor of Plane Rap, we have found out that four recent issues were not published, so we won't list them as missing from our Plane Rap newsletter archives. January, July, and December of 2000, and January of 2001 are non-existent. Again, if any one has any part of the issues listed below, we would love to add them to our archives (or at least a copy of what you have).

1964 through 1983: All issues missing.	1994: Nov missing.
1984: Jan through Sept and Nov missing.	1995: Aug missing.
1985: June missing.	1996: Feb, June missing
1986: May missing.	1999: Dec missing.
1987: Feb missing.	

Plane Rap issues from 1984 to present are maintained by our Secretary Bruce Gale. This is 33 years of HSS history. 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 to access any issues, contact Bruce Gale as shown on the last page of this newsletter.

Plane Rap Classified Ads and Services - For Sale

We are pleased to offer free advertising space for anyone who has items or services for sale.

- This month, Bob McKenzie has an "Apprentice" aircraft for sale. It is a foam trainer with tricycle gear. Bob is asking \$100, and may be reached at 949-644-0676.
- John Ostrowski has a Radian Electric glider with a DX6i transmitter for sale.
- John also has an electric powered Blaster 2e for sale.

This is a cousin of the Snipe. Contact John at driwo@yahoo.com if you are interested.



Above is Radian, and Blaster is at right.

Photos are stock from the internet, not the actual items.



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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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



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MEMBERSHIP APPLICATION 2017

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) (all ages): \$25.00
☐ Adult Member (Renewal Without Name Tag) (19 years and older as of July 1st): \$25.00
☐ Junior Member (Without Name Tag) (19 years and under as of July 1st): \$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 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 applicants, 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. I understand that my monthly newsletter will be delivered by E-mail unless the U.S. Mail request (shown above) has been selected.

SIGNATURE: _____ DATE: _____

Total Dues Owed and Attached: \$ _____

SIGNATURE OF CLUB OFFICER RECEIVING APPLICATION: _____

Revised: January 16, 2017 (FMH)



HARBOR SOARING SOCIETY OFFICERS FOR 2017

President	Joni Whitsitt	714-396-2523	whitsittjo@gmail.com
Vice President	Henry Smith III	714-322-6537	henry.smith.3@earthlink.net
Treasurer	Mike Gaczowski	949-632-1747	mgaczowski@cox.net
Secretary	Bruce Gale	949-394-3924	galebl@cox.net
Contest Coordinator	Bruce Schaefer	714-814-6412	metaterra@msn.com
Safety Officer	Jim Sonnenmeier	814-490-9957	irs36psu@gmail.com
Alternate Safety Officer	Vincent San Filippo Jr.	714-791-5588	vincsfjr@gmail.com
Grounds Keeper	Ryan McMinimy	714-948-0942	hotshotviper@hotmail.com
Editor	Fred Hesse	714-963-5838	fhesse@socal.rr.com
Publisher	Fred Hesse	714-963-5838	fhesse@socal.rr.com
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	tcbroberg@gmail.com

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 SEPTEMBER 5, 2017 AT ROUND TABLE PIZZA, 11095 WARNER AVE.

FOUNTAIN VALLEY, GENERAL MEETING 7-9 PM. LECTURE BY FRED HESSE (SEE P.4).

BRING YOUR FAMILY, WIFE, AND FRIENDS FOR DINNER. WE WILL HAVE SHOW AND TELL, AND A SPECTACULAR RAFFLE. SEE DETAILS AND INSTRUCTIONS TO LOCATION ON PAGE 15.

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

