



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 in 1964.
 Silver Leader Club since 2009, Gold Leader Club 2011-2013, 2015-2018.

July 2018

HSS IS NOW OVER 54 YEARS OLD!

Volume 55

**All of Fairview Park is a no smoking zone.
 If you see someone smoking anywhere in the park,
 Ask them to stop.**

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Coming Events and Soaring Competitions July - September 2018

- Tuesday July 3, 2018. HSS general meeting, 7 PM. Round Table Pizza, 11095 Warner Ave. See P.17 for details and location.
- Sunday July 15, 2018. Fifth SC-2 soaring competition of the 2018 season hosted by Inland Soaring Society at Riverside soccer field.
- Tuesday August 7, 2018. HSS general meeting, 7 PM. Round Table Pizza, 11095 Warner Ave. See P.17 for details and location.
- Saturday August 11, 2018. National Model Aviation Day. OCMA Blackstarr field?
- Sunday August 19, 2018. Sixth SC-2 soaring competition of the 2018 season hosted by TOSS. At new Thousand Oaks field. See P.11.
- Tuesday September 4, 2018. HSS general meeting, 7 PM. Round Table Pizza, 11095 Warner Ave. See P.17 for details and location..
- Sunday Sept. 16, 2018. Seventh SC-2 soaring competition of the 2018 season hosted by Torrey Pines Gulls. See P.11.



June 5, 2018 General Meeting Minutes

The HSS General Meeting was held at Round Table Pizza at Costa Mesa on Tuesday June 5, 2018.

The meeting was opened at 7 PM by President Joel Jones. Additional officers in attendance included Mike Fox, Vice President; Henry Smith III, Treasurer; Fred Hesse, Editor and acting secretary for this event.

The meeting was opened with the Pledge of Allegiance.

1. Joel reported that the city is concerned about a complaint involving powered model noise disturbing White-tailed Kites and Northern Harriers in Fairview Park. Details are given in Item 2 of the Steering Committee Meeting minutes which immediately follows this report.
2. HSS is hosting the next Southern California Soaring Clubs (SC-2) glider competition on Sunday June 17, at Fairview Park. Contest Director is Jim Sonnenmeier who would appreciate as much help as possible in conducting the event. HSS members are needed to set up winches, time flights, record results, and other activities that ensure successful execution of the event.
3. Greg Stone spoke on a number of topics including:
 - He is running for the position of AMA District X Vice President and would appreciate our support.
 - He commented on the annual giant scale fun fly held at Castle Airport, Atwater CA, on May 24-27. This is the second largest event of this nature held in the United States.
 - Greg reminded us to follow the Consolidated Schedule of RC Events, which is maintained by Bob Estrella of the Gilman Springs RC Flyers. A copy can be found elsewhere in this newsletter.
 - Orange County Modelers Association (OCMA) will conduct the AMA National Model Aviation Day, at their Blackstarr flying field on Saturday August 11. This event is intended to bring awareness of model aviation to the general public, and also to collect donations for the Semper Fi US Marines charity organization.
 - Silent Electric Flyers of San Diego (SEFSD) will hold a huge RC estate sale at 3569 29th Street, San Diego. Date is Saturday June 9th, at 9 AM.
 - The AMA Expo West is now relocated at the Pomona Fairplex facility on November 2-4, 2018. This is an expanded version of the annual AMA Expos held at Ontario in January. See details elsewhere in this newsletter.
4. Joel Jones has taken over the responsibility for the HSS web site and social media manager. Considering that he is club President and UAV/Drone instructor, Joel would appreciate any volunteer that would step in and take over these activities.
5. Joel recommends an excellent resin based spray paint called "Montana Black" which is available from the Art Supply Warehouse in Westminster.
6. Ryan McMinimy will be moving out of the area at the end of 2018. Since he is our Grounds Keeper at Fairview Park, we will be looking for a club member to fill that position.
7. Ralph Siegfried suggested that members could leave unwanted model magazines at one's doctors office. Put a label on them advertising HSS.
8. Raffle. A Samsung Virtual Reality game was won by Murry McDole.

Meeting was adjourned at 8 PM. Respectfully submitted, Fred Hesse - Acting Secretary.

Attendance:

Mike Gaczowski
Kevin Koch
Ralph Siegfried
Brian Schoenly
John Rittenhouse

Frank Baled (Guest)
Larry Koch
Ryan McMinimy
Fred Abdoh (Guest)
Jeff Green

Sid Hood
Charles Siegfried
Rob Askegaard
Murry McDole
Ted Broberg

Mike Costello
Mike Fox
Fred Hesse
Henry Smith III
Greg Stone



HSS Steering Committee Meeting 5 June, 2018

The Steering Committee meeting for 5 June, 2018 was held at Round Table Pizza, from 5 to 7 PM. In attendance were Joel Jones, President; Mike Fox, Vice President; Henry Smith III, Treasurer; and Fred Hesse, Editor and acting Secretary. Topics were as follows.

1. Joel met with Cynthia Acosta, Costa Mesa City Parks Department manager. He discussed how HSS might assist in providing education to city organizations concerning the models we fly, and how latest developments such as drones might be of use to the city.
2. Cynthia brought up her concerns about disturbing birds as a result of noise from power planes. Gliders are not a problem. A camera club/bird watching group has brought up this problem to the city. They feel that White-Tailed Kites and Northern Harriers are being disturbed by the noise. This has stimulated the federal government (Department of Wildlife, Fish and Game) to conduct a noise study. The time line for completion of this study is estimated at spring 2019. Joel suggests that HSS help with this study, so as to show "we care for the birds" This will be a long term episode, but initial ideas for mitigating the problem were brought up at the meeting. These included inviting bird watching specialists from the local Audubon Society to come speak at our meetings, relocating the field to a part of Fairview where the rodents don't populate (ground is too hard), disallowing powered planes during the nesting season (spring through summer) thus permitting gliders only, require pilots to fly with a "bird spotter", eliminate acoustic engine simulators, and other concepts to reduce noise.

Editor's Note:

- Fairview Park is not a wildlife sanctuary.
 - These types of birds would have left long ago if noise was a problem.
 - While not technically "Endangered", the White-tailed Kite is listed on the California Department of Fish and Wildlife web site as "Fully Protected", and the Northern Harrier is shown as "Raptor Species of Special Concern". www.wildlife.ca.gov/consrvation/birds/raptors
 - Attention should be expressed concerning noise from the Police helicopter.
 - Fairview Park is not a popular birding location due to inappropriate habitat. Recommended locations include San Joaquin Wildlife Sanctuary, Bolsa Chica Ecological Reserve, and Seal Beach Ecological Reserve.
 - Our better sources of information are Sea and Sage Audubon Society, a local chapter available at www.seaandsageaudubon.org and <http://ebirds.org> .
3. The proposed Design, Build, and fly competition may be moved to late August or September to avoid the bird nesting season. The proposed Bent Wing glider competition will be moved to July/August.
 4. Ryan McMinimy will remove the majority of paint cans presently stored in the shed.
 5. Procurement of new club T-shirts is waiting for a quote from the manufacturer.
 6. The next Steering Committee Meeting is scheduled for Tuesday 3 July 2018 at 5:30 PM, just prior to the July General Meeting, at Round Table Pizza.

Meeting was concluded at 7 PM. Respectfully submitted - Fred Hesse, Acting Secretary

No Smoking Message

Cynthia Acosta, Costa Mesa City Parks Department manager, has notified Joel Jones that smoking around our runway and pits has escalated recently. All of Fairview Park is a no smoking zone, so if any HSS member sees someone smoking, ask them politely to put it out.



New Model Aircraft Speed Record

A new model aircraft speed record was recently established at 545 MPH. The astonishing part is that it was done with a glider by Spencer Lisenby using dynamic soaring techniques. Because of the constant turning, the wing loading is very high, requiring a phenomenally strong structure. A video will be available soon, at: <https://www.rcgroups.com/forums/showthread.php?3090816-New-World-Record-Spencer-Lisenby-Kinetic-Transonic-DP-545MPH>

The New UAV Business

Skyward, a Verizon Company, is a good example of new companies that are developing as a result of commercial use of Unmanned Aerial Systems (UAS) or drones. Here is a brief description of their services.

Skyward's drone ops management software and consulting helps companies stand up and oversee teams, equipment, projects, and flights and gives them the ability to fly in more ways and more places. Skyward is also focused on the near future of networked fleet deployments through a combination of industry-leading expertise, digital airspace access, regulatory advocacy, and LTE connectivity.

Just two years ago, most U.S. companies weren't allowed to fly drones commercially. In August 2016, the FAA passed Part 107 of the Federal Aviation Regulations, legalizing commercial drone operations. Since then we've seen the market for commercial drone services grow as businesses adopt the technology at increasing rates. Today, Skyward customers include some of the biggest companies in the world as well as highly specialized aerial data providers.

Skyward has contracted a survey which has resulted in a 2018 Industry Report titled "State of Drones in Big Business". Anyone interested in a copy can download it from <https://skyward.io>, or request it from the editor of this newsletter.

UAV Confusion

The Federal Aviation Administration (FAA) has recently come out with a concept for regulating commercial drone usage, referred to as Unmanned Aerial Systems (UAS). At a recent UAS Symposium, the FAA revealed that businesses submit more than 3,000 Part 107 waiver requests per week, making a backlog of up to 90 days for requesters to get a waiver request. To alleviate this problem, the FAA created the Low Altitude Authorization and Notification Capability (LAANC) program. LAANC will allow operations in controlled airspace through preselected airspace volumes (ground to 200 ft) that currently require waivers. These preselected airspace volumes are called UAS Facility Maps. In its final form, LAANC will allow an operator to plan a flight, submit that flight plan to the FAA, and receive automatic approval. On April 27, 2018, the FAA released some 200 new maps around airports throughout the United States. This means that soon, an unmanned aerial system will be able to fly up to the 200 foot ceiling without being required to apply for airspace authorization or coordinating with the local ATC. These additional airspace volumes will eventually be the basis for the automatic electronic approval system for LAANC. The FAA is publishing UAS Facility Maps for the entire United States. The goal is to establish areas where commercial drones may be operated up to 200 ft above ground level.

the attached article talks about the FAA UAS Facility Map concept (highlighted on pg.2) and the second file looks at some of the various apps and websites that display the data for Orange County. Jim Sonnenmeier has spent a lot of time researching the impact of these UAS Facility Maps on model aircraft. Jim's conclusion follows.

"I still believe that AMA members are covered under Sec 336 and not Part 107 to which these maps apply. Further the indications of flight 'hazards' above 200 ft is consistent with the limits placed on full size aircraft in the airspace as mentioned in the article as well as the "see and avoid" concept in Sec 336/AMA Safety code. Further, I interpret the advisories in the apps as strong warnings and NOT prohibitions from flying above 200 ft. Again this is consistent with Sec 336."



UAV Confusion (Continued)

https://www.faa.gov/uas/request_waiver/uas_facility_maps/

UAS Facility Maps

UAS Facility Maps show the maximum altitudes around airports where the FAA **may** authorize **part 107 UAS operations** without additional safety analysis. [The maps](#) should be used to inform requests for part 107 airspace authorizations and waivers in controlled airspace.

NOTE: These maps DO NOT authorize operations in these areas at the depicted altitudes – they are for informational purposes ONLY. Operators must still apply to operate in controlled airspace (Class B, C, D, or surface area E) by completing a Part 107 Airspace Authorization or Waiver Application in the *FAA DroneZone*. <https://faadronezone.faa.gov>

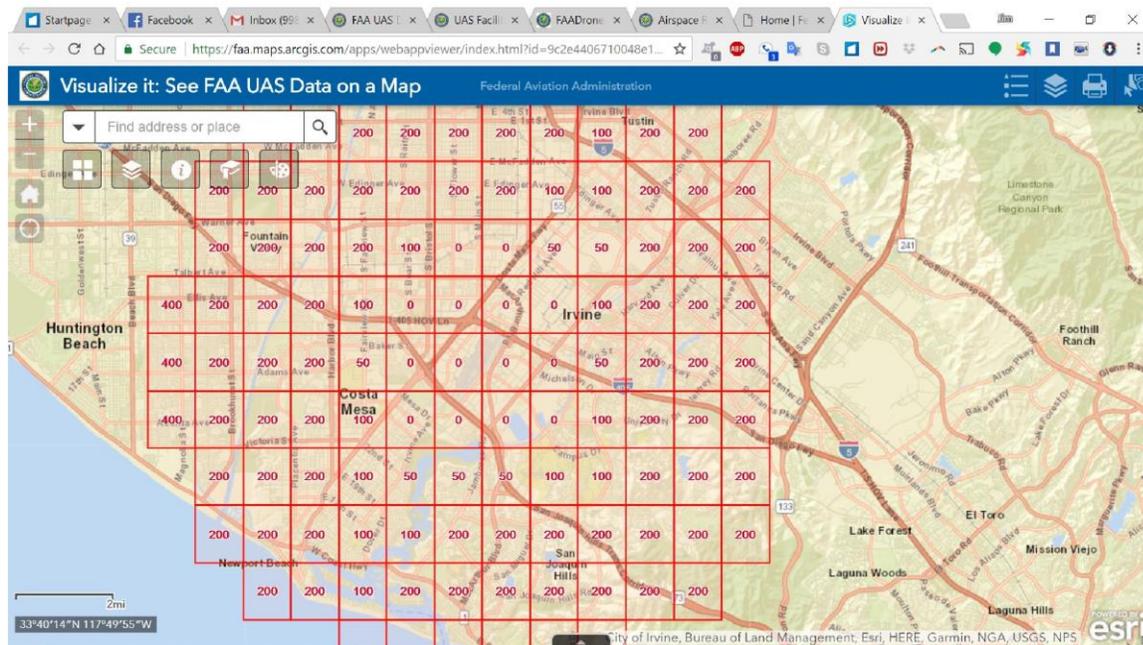
Individuals who request a part 107 airspace waiver and authorization are encouraged to consult the maps prior to submitting a request to determine locations and altitudes that can be approved quickly.

The maps will be published in phases, starting with Class E airport maps (published April 27, 2017).

For more information about UAS Facility Maps, please see these [Frequently Asked Questions](#).

The FAA does show a 200 ft limit in the park for UAS ops, which I take to mean Part 107 not Sec. 336.

<https://faa.maps.arcgis.com/apps/webappviewer/index.html?id=9c2e4406710048e19806ebf6a06754ad>

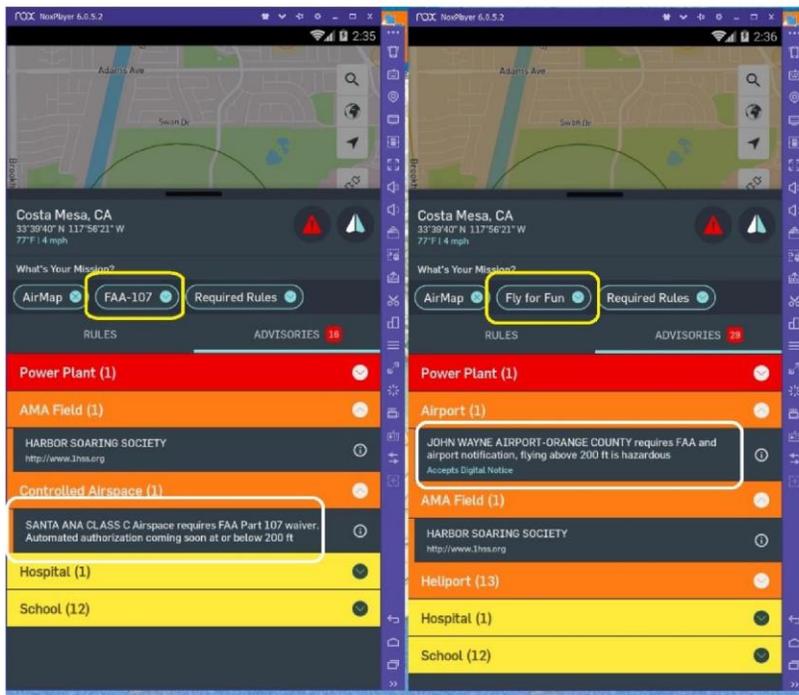
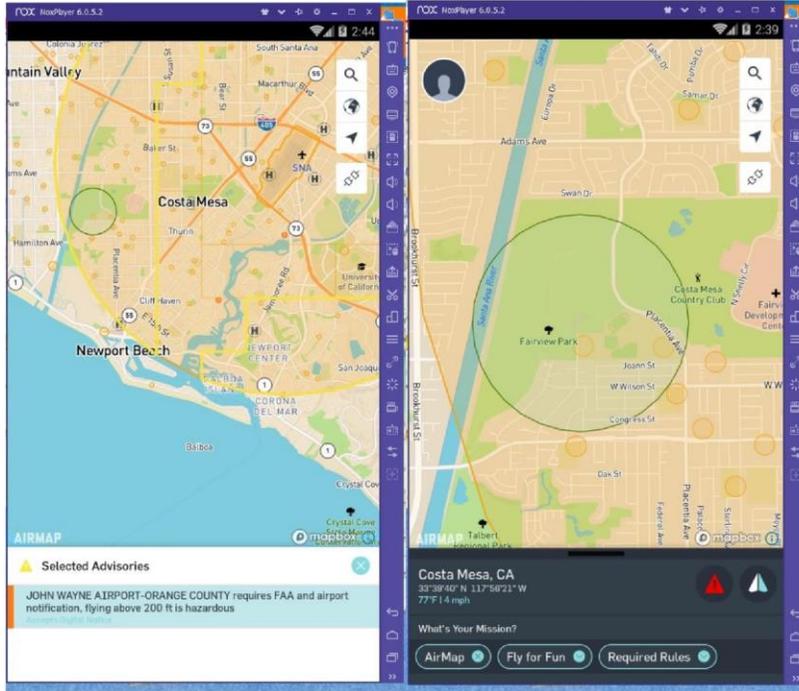


All the info is consistent with available apps



UAV Confusion (Continued)

Screen grabs from AirMaps app

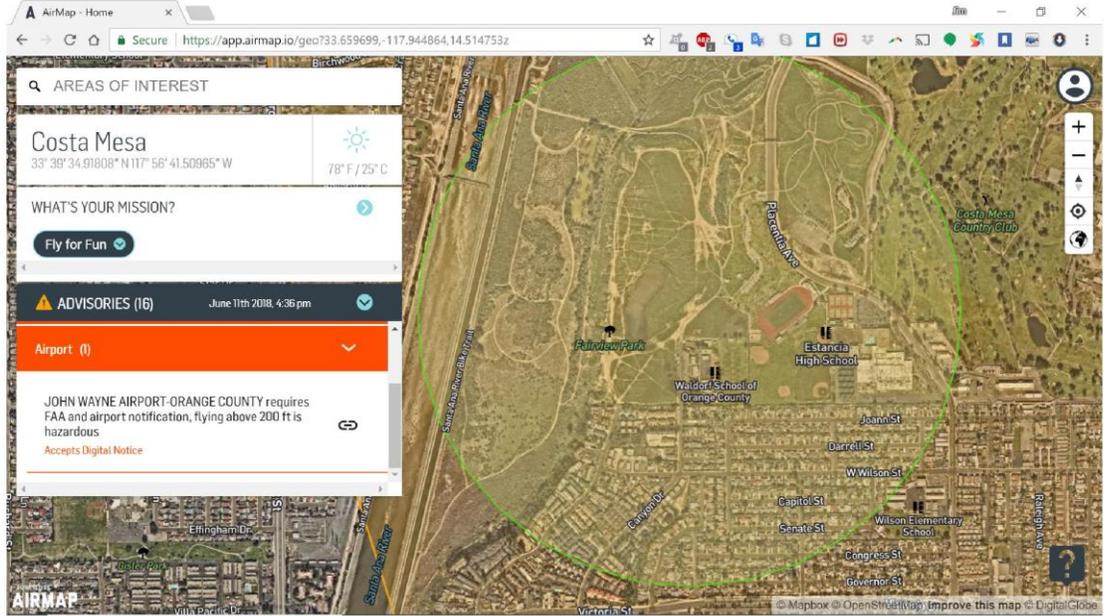


“Hazardous above 200 ft” is consistent with the article where fullsize ops are limited to above 200 ft in the marked areas **AND** that Section 336 ops must apply “**see and avoid**”. Further, the advisories are shown in **ORANGE** rather than **RED** which seems to suggest that this does not prohibit ops above 200 ft.



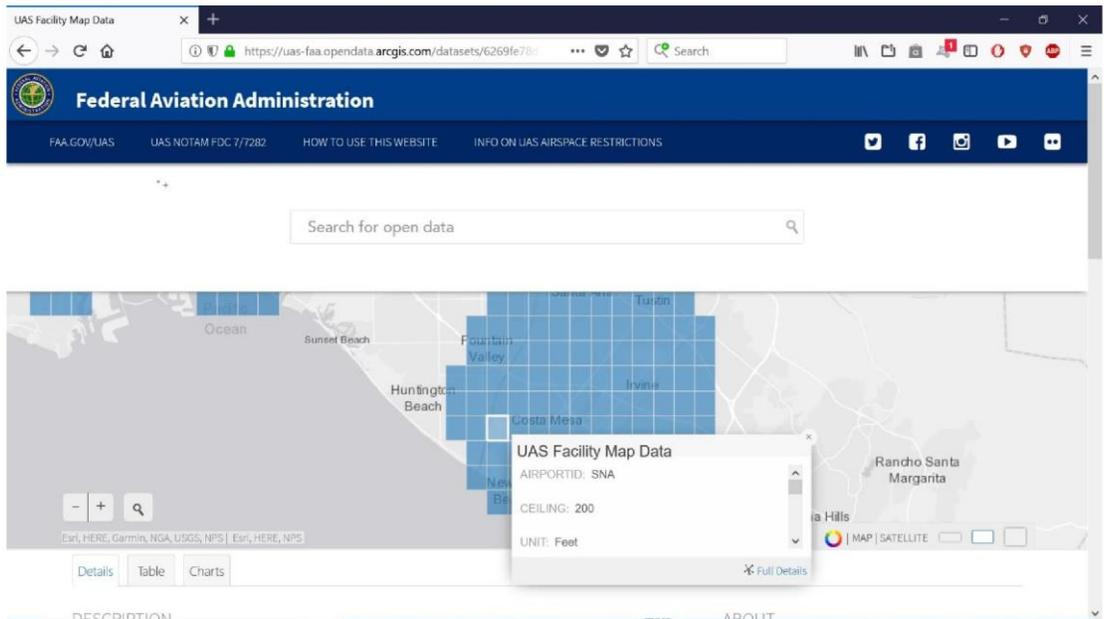
UAV Confusion (Continued)

Web version of AirMaps



Screen captures from FAA UAS Facility Maps website

https://uas-faa.opendata.arcgis.com/datasets/6269fe78dc9848d28c6a17065dd56aaf_0



SC-2 Competition Hosted by HSS

Harbor Soaring Society conducted the fourth Southern California Soaring Clubs (SC-2) soaring competition of the season on Sunday June 17, at Fairview Park. 26 competitors participated, with the results shown below.

Ed Aber-Song took some of the following photos, and had this comment: "Another great SC2 contest with world-class competitors challenged with variable air, terrific thermals and equally devastating downers. Attached are photos, please credit reproduced images to SC2, thanks, Ed Aber-song."

Jim Sonnenmeier reported that some of the pilots had radio issues. "Two pilots had airplanes go down from what appeared to be radio interference / lockout. three others said they had serious interruptions during flights - momentary loss of control then recovery and safe landing. All were visiting pilots, but we are not drawing any conclusions from that."

Strangely, Henry Smith III brought up the following points: "On the day before the contest the club Apprentice flew away. It was quite some long way west of the field (probably past the bluff) when it appeared connection was lost. Plane flew in circles at around 300 feet with wind slowly blowing it out of sight. No idea where it is now. 4 or 5 people searched all the way to the ponds at the bottom of the bluff and did not find it.

Training will continue using the Apprentice that Ted Broberg had. This airplane is now with me. I will make a few adjustments to this Apprentice and be giving lessons again this coming weekend.

This is probably unrelated to the problems at the contest. I am putting it out there for what it is worth. I am getting to be a bigger believer in telemetry every day. With telemetry you know if you have a bad connection.

Another thought. At future contests, out of town flyers should be encouraged to range check their airplane prior to the first launch. The electromagnetic environment at Fairview is probably much different than other fields."



SC-2 Competition Hosted by HSS (Continued)



SC-2 Competition Hosted by HSS (Continued)

SC2 Contest # 4		Hosted By HSS						Normalized Sort				Contest Entries	
Fairview Park, Costa Mesa CA June 17, 2018		Contest Director: Jim Sonnenmeier Scorekeeper(s): Les Ward										24	
Number Of Pilot Scores Entered →		24		24		24		24					

Place	PID	Pilot	Club	Class	L	Round 1, 8 mins.			Round 2, 8 mins.			Round 3, 10 mins.			Round 4, 10 mins.			Overall		LSF Points
						T1	L1	S1	T2	L2	S2	T3	L3	S3	T4	L4	S4	Overall	Norm	
1	117	Jolly, Larry	TPG	E	W	8.02	80	986.0	8.00	80	990.0	9.59	91	993.9	9.59	97	996.9	3955.9	1000.0	2400.0
2	145	Reagan, Mike	TOSS	E	W	8.01	96	996.0	8.00	86	993.0	10.03	0	945.3	10.02	78	985.8	3920.1	988.2	2272.9
3	223	Szego, Erv	HSS	I	W	8.01	40	968.0	8.05	73	976.6	9.49	0	932.6	6.48	0	646.0	3523.2	888.2	1953.9
4	142	Throop, Terry	SULA	E	W	8.04	29	956.6	4.27	0	528.4	8.05	70	802.9	9.56	72	979.7	3267.6	823.7	1728.9
5	107	Fillce, Gary	TOSS	E	W	8.01	0	948.0	8.03	93	990.6	6.44	67	673.2	5.23	0	511.4	3123.2	787.3	1574.6
6	125	Vera, Edgar	SWSA	E	W	3.47	65	481.8	7.58	0	946.0	7.08	0	677.7	9.56	77	982.2	3087.6	778.4	1478.9
7	126	Morjoseph, Mike	SWSA	E	W	8.09	76	970.2	6.16	0	744.2	6.55	38	676.1	4.08	60	422.7	2813.1	709.1	1276.5
8	136	Clerx, Ben		E	W	8.00	90	995.0	7.58	45	968.5	4.30	45	450.0	4.04	16	394.3	2807.9	707.8	1203.3
9	211	Cresger, Ronald	SC2	I	W	7.55	0	940.1	5.47	0	686.8	2.31	0	239.1	9.03	0	859.8	2725.7	687.1	1099.4
10	408	Schaefer, Bruce	HSS	Res	W	8.04	73	978.6	7.40	0	910.4	1.49	0	172.6	0.00	0	0.0	2061.6	519.7	779.5
11	103	Townsend, Craig	SULA	E	W	3.55	0	465.1	2.21	0	279.1	6.27	0	612.8	4.55	70	502.1	1859.0	468.6	656.1
12	411	Aber-Song, Ed	EDSF	Woody	E	3.35	0	425.5	1.57	0	231.6	6.36	0	627.0	5.43	0	543.1	1827.2	460.6	598.8
13	229	Campbell, Frank	SWSA	I	E	6.40	0	791.7	8.04	50	967.1	0.00	0	0.0	0.00	0	0.0	1758.8	443.4	532.0
14	401	Adamczyk, Adam	HSS	Res	W	0.00	0	0.0	8.06	0	938.1	3.22	77	358.3	4.46	0	452.8	1749.3	441.0	485.1
15	410	Sliff, Robert	HSS	Woody	W	5.59	0	710.5	3.16	0	387.9	2.50	0	269.2	3.23	69	355.9	1723.5	434.5	434.5
16	334	Swain, John	ISS	S	W	4.09	0	492.8	0.00	0	0.0	7.55	16	760.1	2.18	0	218.5	1471.4	370.9	333.8
17	433	Thomas, Ross	HSS	Woody	W	3.34	77	462.0	4.18	54	537.6	1.57	0	185.3	0.00	0	0.0	1184.9	298.7	239.0
18	2	Hess, Stephan	TPG	E	W	8.03	63	975.6	0.00	0	0.0	0.00	0	0.0	0.00	0	0.0	975.6	245.9	172.1
19	203	Stanton, Steve	ISS	I	W	8.01	0	948.0	0.00	0	0.0	0.00	0	0.0	0.00	0	0.0	948.0	239.0	143.4
20	109	Ward, Les	ISS	E	W	4.30	0	534.4	2.24	44	307.0	0.00	0	0.0	0.00	0	0.0	841.4	212.1	106.1
21	202	Tau, Manny	SC2	I	E	2.07	64	283.4	2.10	74	294.3	0.00	0	0.0	0.00	0	0.0	577.6	145.6	58.2
22	306	Smith, Paul	ISS	S	W	2.20	8	281.1	0.00	0	0.0	0.00	0	0.0	0.00	0	0.0	281.1	70.9	21.3
23	315	Willcox, Steven Sr.	SC2	S	W	0.00	0	0.0	0.00	0	0.0	0.00	0	0.0	0.00	0	0.0	0.0	0.0	0.0
24	313	Willcox, Steven Jr.	SC2	S	W	0.00	0	0.0	0.00	0	0.0	0.00	0	0.0	0.00	0	0.0	0.0	0.0	0.0

The following photos courtesy of Rob Askegaard. Thanks, Rob.



Fairview Park Weather Station

HSS members can 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> Click on the 10 day forecast to get detailed wind velocities and directions.

HSS Membership – Renew now if you haven't.

Our 2018 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 20 September, 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 16 of this newsletter.

SC-2 Competition Schedule

The preliminary schedule for the Southern California Soaring Clubs 2018 competition schedule is shown below. Locations and dates are tentative except for the February 18 event at Hemet. Firm dates will follow as listed on <https://www.rcgroups.com/forums/showthread.php?t=2806592&goto=newpost> or the following link:

<https://www.rcgroups.com/forums/showthread.php?3012166-SC2-2018-Southern-California-Soaring-Clubs-Official-Thread>

May	20	Victor Valley RC Flyers www.vvrcf.org	August	19	TOSS
June	17	HSS, Costa Mesa	September	16	TPG
July	15	ISS (Soccer field) www.gllideiss.us	October	21 -	SWSA

All event information and competition results will be found on these links.

Here is a recent description on the new flying field for Thousand Oaks Soaring Society (TOSS).

From: Mike Reagan
 Subject: Thousand Oaks club has a new field.

New TOSS field location. The gps is 34 12' 28" N 118 49' 47" W . Sapwi Trails Community Park. You can bring it up on Google earth and the most recent sat pics show the winch pad, parking area and (fake) grass landing pad. It is just off North Westlake Blvd up from Avenida De Los Arboles. A note about our landing area. It is not good to use skegs on. Your plane will stop fast and even possibly crack a joiner. Rubber skids like what work on the SWSA carpet are best for our turf and you won't slide as much. We also are not allowed to fly down wind over and past Westlake for safety reasons, mainly busy 50mph street and expensive houses. This is too bad because the big lift is on the top of the hills and in Santa Ana winds a solid wave forms over the south ridge. But don't worry, we have a ridge that runs along the north edge of the field that is almost parallel with the prevailing wind that creates lots of turbulence for landing. Hope everyone can make it out on Aug 19.

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.



2018 Consolidated Schedule of RC Events

June 9/10 th	Hemet Model Masters 3D Event "Hucking in Hemet"
Wednesday, June 27 th	Chula Vista Model RC Club Float Fly at Otay Lake
Wednesday, July 4 th	Corona Radio Control Club Member Appreciation
Saturday, July 7 th	Gilman Springs RC Flyers Summer Night Fly
Saturday, August 4 th	Menifee Valley Flyers "Hot August Nights Club Appreciation"
August 11/12 th	Hemet Model Masters "Warbirds at Hemet"
Saturday, August 11 th	Gilman Springs RC Flyers Mid-Summer Night Fly
Saturday, August 18 th	Circle City Flyers Scale Fly-In
Wednesday, August 22 nd	Chula Vista Model RC Club Float Fly at Otay Lake
Saturday, September 8 th	Hemet Model Masters Autumn Swap Meet
Saturday, September 8 th	Menifee Valley Flyers Annual Poker Fly
Saturday, September 8 th	Corona Radio Control Club Electric/Gas Fun Fly
Saturday, September 8 th	Gilman Springs RC Flyers End-of-Summer Night Fly
Saturday, September 15 th	Gilman Springs RC Flyers "Warbirds Over Gilman Springs"
October 6/7 th	Hemet Model Masters "IMAC Regionals"
Saturday, October 13 th	Gilman Springs RC Flyers Fall Swap Meet
Saturday, October 20 th	Chula Vista Model RC Club Float Fly at Otay Lake
Saturday, October 27 th	Corona Radio Control Club Float Fly at Lake Perris
November 2/3/4 th	AMA EXPO WEST at the FAIRPLEX Pomona
Saturday, December 1 st	Corona Radio Control Club Christmas Party & Toys for Tots
Saturday, December 8 th	Menifee Valley Flyers "Spark of Love Fun Fly & Toy Drive"
Saturday, December 15 th	Hemet Model Masters "Holiday Event/Toy Drive"

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. This is 34 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 our secretary as shown on the last page of this newsletter.



Annual AMA Convention – New Time, New Location



**AMA Expo West
Attend the Largest Indoor and Outdoor RC Model Event!**

The Fairplex in Pomona, CA, is the new home for AMA Expo West this November 2-4, featuring more than 100 model aviation exhibitors with outdoor flying day and night. Bring your favorite airplane or helicopter and fly each day and night. See and shop the latest in model aviation products from more than 100 manufacturers. Watch drone racers compete for the AMA Expo West Cup. See product flying demos and special flying events. Advance tickets on sale now!

ADVANCE TICKET PRICES

One Day Member_____	\$13.00
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Non Member Three Day_____	\$33.00
Youth_____	\$ 6.00
Group _____	\$11.00

Purchase advance tickets at www.amaexpowest.com

AT-THE-DOOR TICKET PRICES

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Non Member One Day_____	\$17.00
Non Member Two Day_____	\$32.00
Non Member Three Day_____	\$41.00
Youth_____	\$ 6.00
Group_____	\$12.00

MEMBERS USE CODE "AMA1936" WHEN CHECKING OUT.



Seen Around The Field (Photos courtesy of Rob Askegaard)



Flight instructor Henry Smith III with students (L-R) Arman, Jordan, Jack Ras and Patrick.



Patrick (who has some experience) with his Mustang



Henry giving instruction to student Jack Ras.



Young pilot, Jordan with P-51 Mustang.



Nice foam Mustang.



Government Affairs Update From AMA, May 17, 2018

Over the past few months, the AMA Government Affairs Team has been hard at work at the federal, state and local level to protect and preserve our longstanding hobby. Just last month, the House of Representatives passed its version of the FAA Reauthorization Act of 2018. While much of what we fought for was included in this bill – including the preservation of Section 336, also known as the Special Rule for Model Aircraft — there are also some provisions in the bill that concern us and would create further ambiguity for the recreational community. Our team has been busy preparing for the next step in the legislative process.

We want to thank the thousands of AMA members who participated in our “Call to Action” in April to let Congress know about the importance of protecting our hobby. Your efforts during this critical time made a significant impact, and we appreciate your support.

Here is a glimpse at some of our most recent activities:

Federal Government Relations

Our team has attended several meetings with legislators on protecting the Special Rule for Model Aircraft as the Senate prepares its own version of the FAA reauthorization bill. In addition, we met with stakeholders in the manned and unmanned aircraft communities to gather support for our hobby. Moving forward, we will continue to work with Congress on a long-term reauthorization bill that will strengthen the Special Rule for Model Aircraft and affirm the role of community-based organizations in managing the model aircraft community.

We also recently met with the U.S. Army Corps of Engineers (USACE) to discuss possible solutions for eight of our clubs that have lost flying sites on USACE maintained properties.

State and Local Government Relations

At the local level, AMA continues to engage with legislators on problematic bills in various states. Recently, we have reached out to local communities in Oceanside, California and Greenwood Village, Colorado to assist with legislative issues. We also provided guidance to the National Institute of Health (NIH) in Bethesda, Maryland to help draft a practical UAS ordinance.

Other Recent Activities

In April, members of AMA’s Government Affairs Team attended the [64th Toledo Show: R/C Model Expo](#) in Toledo, Ohio, North America’s largest and longest running R/C model expo. The team spoke with AMA members about flying model aircraft safely and answered questions regarding the latest on federal, state and local regulations.

In addition, AUVSI held their annual [XPONENTIAL](#) show May 1-3 at the Colorado Convention Center in Denver, Colorado. While there, the AMA team engaged with industry stakeholders concerning the latest innovations and discussed how to safely integrate UAS into the national airspace.

As part of International Drone Day, the Minnesota Department of Transportation held their first annual [Minnesota Drone Day](#) in partnership with the Federal Aviation Administration and the Minnesota Drone Advocacy Council. AMA President Rich Hanson spoke at the event, providing information to the community on the latest drone regulations.

As the FAA reauthorization legislative process progresses, it is important to remember that it may take months for Congress to arrive at a consensus. We may ask for your help to alert lawmakers on the importance of the hobby during this time, so please continue to monitor your emails, social media and modelaircraft.org/gov for the latest information. You can view how legislation that includes the Special Rule for Model Aircraft is moving through Congress [here](#).

Thank you again for your support!

Sincerely,
AMA Government Affairs Team



The Periodic Table Of Stupid

Here is an interesting collection of experiences we all can identify with. Courtesy of Jim Sonnenmeier. Thanks, Jim.

I'm just a few years into this addiction, but I feel like I'm doing a pretty good job of ticking all the boxes of Mandatory Disasters. I'm even making the sport my own, inventing what I believe are some all-new DLG catastrophes. Anyway, I'm posting a list here so I don't forget all the fun I'm having. A list I'll be adding to for sure.

- 'Fly someone else's plane' in a thermal, augering your own.
- Arriving at the field with no transmitter.
- Leave the field with your transmitter on roof of your car.
- Completely incinerate two competition DLGs, and an Audi, with a 1s Lipo.
- Completely snapping a pod off on launch and then, 0.015 second later, have the jagged remainder loop around to stab you in the head.
- Oh yeah, and also: Trying to use a windicator, stabbing yourself in the eye with it on launch, then nearly losing the plane stumbling around screaming.
- Slip and fall during a launch.
- Completely overdo a very simple wing repair, ending up with a *%& Bihedral wing.
- Smugly weeping thin CA into cracks in your pod, not knowing that you just glued all your servo wires down forever under the servo tray.
- Assuming that cracking sound is just, you know, the peg settling in.
- Pre-maiden checklist is complete but you still have a throw reversed somewhere.
- Breaking the menu and/or trim buttons on your X9D the night before EVERY single contest.
- The reversed controls I did on a B3 a few years ago - did manage to fly it ok and even caught a thermal and decent ride - was tough on the brain though.
- Others of note:
 - Dropped transmitter on launch. Plugging in RX backwards and burning out brand new servos AND RX (JR ones are not cheap ha ha). Missed a bolt in 3 bolt wing connection - wing folding on launch.
 - Forget to check plane is ON. Wrong model selected in TX.
- Completely misjudging a hand-catch and at the last moment having to physically 'duck under' and dive for the ground, and then have to somehow orchestrate a landing from a totally prone position!
- Reposition the battery connector/anchor, getting epoxy inside the JST connector in the process, which then causes the plug to slide out, (but only during launch), resulting in a lawn-dart style power fail!
- Proudly (and very casually) strolling up to a landed glider whilst admiring one's own handy-work in orchestrating such a miraculous landing, whilst failing to notice a light-speed dash across the park by a nasty attack-mutt, which then proceeds to devour the model for breakfast!
- and then expecting the beast's owner to give a toss!
- Forget to take finger OFF launch switch.
- Say the fatal words, "One more flight".
- Run your Rx battery too low and launch again.
- Allowing oneself to be distracted whilst flying, (in order to admire the flying skills of an approaching bird), and then failing to recognize the impending doom, missing the timing window for executing evasive maneuvers, resulting in a totally demolished tail assembly .. mid-flight!
- Flying until the battery is dead and watching it go in.
- Launching without plugging in RX.
- Stepping on 2 Snipes to pick up an old piece of scotch tape- Don't be a litter bug!
- Fried servos with reverse polarity.

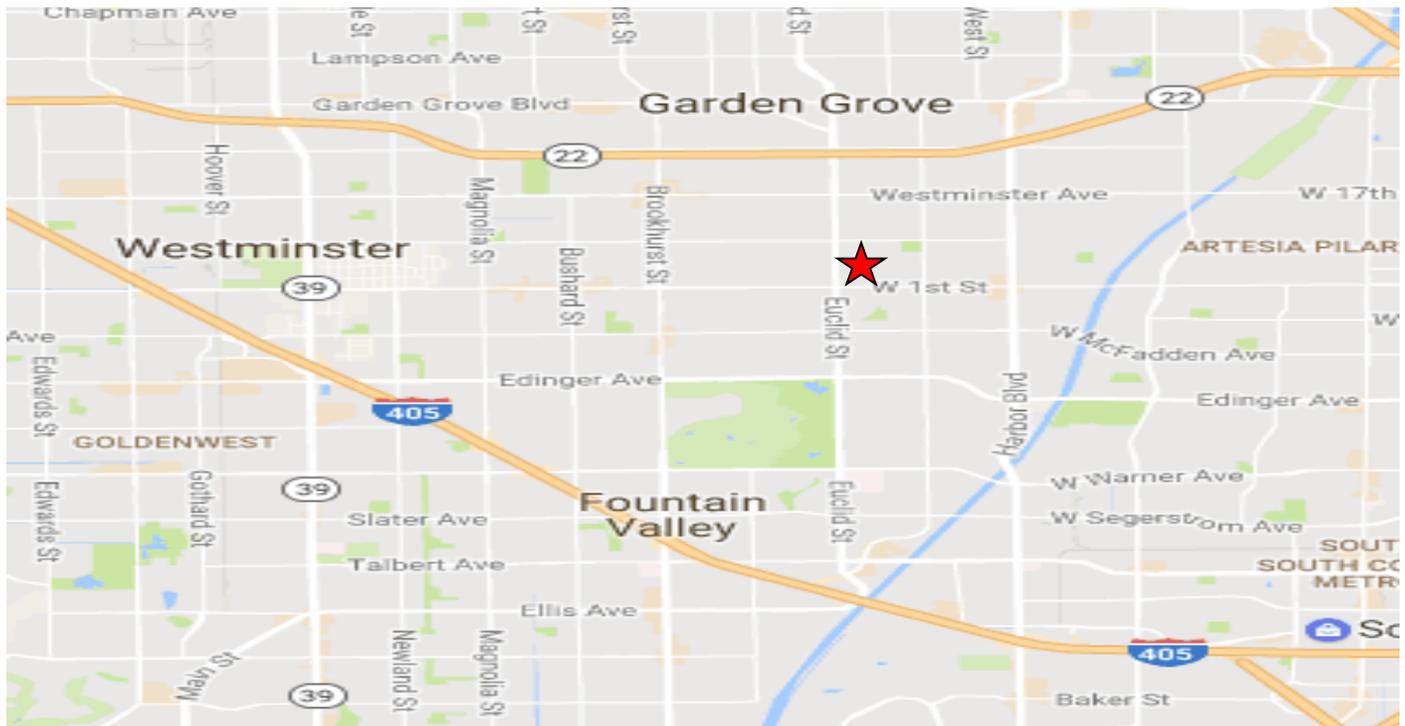


The Periodic Table Of Stupid (Continued)

- Melting a wing while trying to steam out some dings.
- Thinking to myself, wow, 13 rounds of competition and nobody had a mid-air during this contest. Yep, I had one a minute later.
- Self proclaimed contest goal- Don't land out this weekend. Land out first flight of round 1.
- Arriving after a long drive, grabbing the glider for a long-awaited relaxing fly and failing to notice the in-progress, outright assault campaign by a group of angry local birds, one of which swoops me whilst ascending an embankment while carrying the plane. The resulting fall damages my back for weeks ... as well as the plane! (Another score for the birds!).
- Spending an afternoon repairing a wing at a friend's house. Putting said wing in my car while the friend asks if door will close without crunching wing. Sure thing. Got home, parked on a hill and while taking the wing out, the door slammed shut on it. DUH!
- Finding out the hard way that your wing cores and CA are not friendly.
- I have plenty of altitude to clear the barbed wire fence.
- No way that fence would be electrified.
- CA will hold that Kevlar together for one more launch.
- I did just the opposite; I launched my new Revolution with the Transmitter OFF! I had to cut the nose cone off just to disconnect the battery. Wing is broken and I busted the tail off again.

July 3, 2018 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. We will meet our new officers for 2018 and have show-and-tell of your favorite plane. Bring your wife, family, and friends. There will be a raffle. The location map is shown below.



2018 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: \$50 per year for Costa Mesa residents. \$55 for nonresidents. Learner's Permit for youths 6-14 years old - \$TBD 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 driver's license.
- Copy of the AMA Membership Card (showing the required year) or home owner's/personal liability insurance policy (specifically covering model airplane/aircraft flying with a minimum limit of \$500,000).
- Renewal Fee 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 information is shown on 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.

- Curt Nehring has the following planes and equipment for sale. Maxa 3.5 (this particular plane won Visalia by Ben Clerx). It's white with orange highlights, has good servos throughout and is \$1200. A white and blue Shadow and a green Shadow with orange trim, both are \$750 each. A Pike at \$1500, and an Explorer 4m (red & white) \$1600. A few Wing bags available at \$75. These planes are flown, not hangar queens. They have fuselage scrapes from landing on our gravel runway and some with minor hangar rash that's been repaired as well as possible. Also, a JR 9303 Xmtr. \$200 and a Futaba 10CHP Xmtr \$150. ---- All prices FIRM!!! Questions call Curt @ 949-525-3038.
- Your newsletter editor has a long shaft Ford starter motor and relay suitable for winch or retriever use. Motor is free to any party. See contact info on last page of this newsletter.

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.

AirPixel Technologies/FrSky Distributor

I just wanted to reach out on behalf of FrSky, as we are working directly with the manufacturer to do some community outreach to aviation clubs that are close to us here in Southern California, as provided by the AMA Club list. If anyone who happens to be a part of your club or organization is looking to purchase any number of **FrSky radios, receivers, gimbals, or other FrSky products**, we would love to assist in fulfilling these needs. During this outreach, we will be **lowering our prices to assist local clubs** in obtaining the necessary gear to get members flying as soon as possible. If you or anyone in your club is looking for products of this variety to assist in your RC aspirations, please do not hesitate to contact us via email or at our office phone number, which I will attach below, where we can answer questions regarding sales and warranty questions, and assist with any and all FrSky product related technical difficulties that you or your club members might run into.

Thanks so much for keeping the hobby alive and I look forward to hearing from you! -Brock

Brock Nelson <Brock@airpixeltek.com> sales <sales@airpixeltek.com>

AirPixel Technologies: North American FrSky Distribution and Service Center
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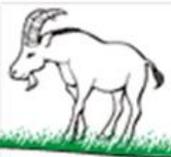
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MEMBERSHIP APPLICATION 2018

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 _____

- Checkboxes for membership options: 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: September 20, 2017 (MJG)



HARBOR SOARING SOCIETY OFFICERS FOR 2018

President	Joel Jones	949.378.7393	simpleamps@me.com
Vice President	Mike Fox	714-421-1556	mlfox46@yahoo.com
Treasurer, Membership	Henry Smith III	714-322-6537	henry.smith.3@earthlink.net
Secretary	Joni Whitsitt	714-396-2523	whitsittjo@gmail.com
Contest Coordinator	Bruce Schaefer	714-814-6412	metaterra@msn.com
Safety Coordinator	Jim Sonnenmeier	814-490-9957	jrs36psu@gmail.com
Alternate Safety Officer	Vincent San Filippo Jr.	714-791-5588	vincsfjr@gmail.com
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Editor/Publisher	Fred Hesse	714-963-5838	fhesse@socal.rr.com
Club Photographer	Rob Askegaard	714-968-1973	rmaskegrd@gmail.com
Social Media Manager	Joel Jones	949.378.7393	simpleamps@me.com
Lead Flight Instructor	Henry Smith III	714-322-6537	henry.smith.3@earthlink.net
Certified UAV/Drone Instructor	Joel Jones	949.378.7393	simpleamps@me.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 JULY 3, 2018, AT ROUND TABLE PIZZA, 11095 WARNER AVE.
COSTA MESA, GENERAL MEETING 7-9 PM.
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 17.
SEE THE COLOR NEWSLETTER SENT BY E-MAIL AND AVAILABLE ON OUR WEB SITE.

