



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, 2015-2017.

April 2018

HSS IS NOW OVER 54 YEARS OLD!

Volume 55

Your help is needed at the Imaginology event at Orange County Fairgrounds. Contact Joel Jones. Details on Page 4.

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Coming Events and Soaring Competitions

April - June 2018

- Tuesday April 3, 2018. Round Table Pizza, 11095 Warner Ave. General meeting, 7 PM. See P.15 for details and location.
- Friday April 13 through Sunday April 15. Imaginology event at Orange County Fair Grounds. See Page 4 for details.
- Sunday April 15, 2018. Third SC-2 soaring competition of the 2018 season at Perris, flying site. See link on P. 11 of this newsletter.
- Tuesday May 1, 2018. Round Table Pizza, 11095 Warner Ave. General meeting, 7 PM. See P.15 for details and location.
- Sunday May 20, 2018. Fourth SC-2 soaring competition of the 2018 season at Victor Valley RC Club, Victorville. See link on P. 11 of this newsletter.
- Tuesday June 5, 2018. Round Table Pizza, 11095 Warner Ave. General meeting, 7 PM. See P.15 for details and location.



March 6, 2018 General Meeting Minutes

The General Meeting of HSS was held at Round Table Pizza, Fountain Valley, CA on Tuesday March 6, 2018. The meeting convened at 7 PM, and was conducted by President Joel Jones, who began with the Pledge of Allegiance, followed by a moment of silence honoring Dick Odle (recently deceased). Board and Steering Committee members in attendance were Joel Jones, President; Mike Fox, Vice President; Henry Smith III, Treasurer; and Fred Hesse, Editor.



President Joel Jones.

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Announcement concerning Imaginology.

HSS will participate in the Imaginology event to be held Friday April 13 through Sunday April 15 at the Orange County Fairgrounds. Joel reports that our assigned space will be the same, which is about one third of the "Hangar" building. Squadron 68 of the Civil Air Patrol will be joining us again, and will bring their cockpit simulator which was very popular last year. They will also bring a Blanik L-13 full sized glider with a 53' wing span. Orange Coast College will be a new participant. They plan to bring about 20 simulators with 48" TV displays, and will hang protective netting to create a safe flying area for demonstrations. With this number of simulators, we will be able to feature drones, power planes, and gliders. Members of HSS will be needed to assist in simulator operations. Detail planning will be done at our April 3 meeting. Joel reports that the Knights of the Round Circle will only participate on Friday. This is very unfortunate as their U-control flight training was very popular last year. John Anderson reports that Lyon's Air Museum may join our efforts.

Old Business.

We are having problems with keys for the storage shed and the charging station. Keys need to be made available to select members who are in regular attendance at the field.

New Business:

Past President Jesse Calleros suggested establishing permanent membership to worthy members. A movement was proposed and approved by club members at the meeting to establish this class of membership. Next, Jesse proposed that Dick Odle and Richard Baxter be nominated. This was approved by those in attendance. Next it was proposed that the club conduct a memorial fly-in. To be taken care of at next meeting.

Joel informed the club that there is a new phone app called "Triangulex" which aids in finding lost planes. Joel will write up a description of this program to be published in a future newsletter.

Mike Gaczowski says that club membership is up to 52 new and renewing members. This is far short of the approximately 90 members joining in 2017. New and old members are encouraged to join as soon as possible.

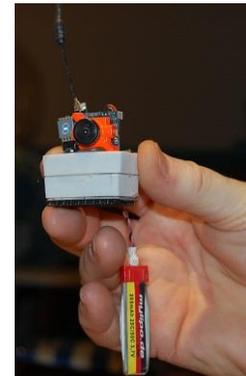
Presentation:

Joel Jones brought in two friends, Jeff Yang and Raul Odin to demonstrate first person view (FPV) flying wings that they fly mainly out of Kite Hill. Several of the flying wings were set up with high quality video cameras, and the telemetry link to display images. Jeff, who does product testing, emphasized the efforts to place video links on YouTube. He has prepared over 250 reviews for Hobby King, some of which have resulted in product



March 6, 2018 General Meeting Minutes

improvements. In all, Jeff has posted about 800 video clips. His YouTube address is 7DEMO7 He says it is difficult to make any money on YouTube. For example, if a posting was to receive one million views, that might yield \$5,000.



Presentation speaker Jeff Yang with racing wing.

His new Durafly T=28.

Run-Cam video system.

Jeff showed several racing wings from Hard Core (company). These are all set up with cameras, and capable of about 115 miles per hour. He also brought a new Durafly (brand) T-28 purchased from Hobby King for \$120. It has retracts, lights, servos, motor, ESC, and is receiver ready.

He uses a very slick video set up by Run-Cam that includes lens, CCD, signal processor, 5.8 GHz telemetry link, and all plugs into a 3.7 V battery. The camera can be mounted fixed, or located on a servo that allows scanning during flight. Jeff discussed aircraft and flight systems. Planes should not be susceptible to tip stall, and he uses a flight control system that will return and circle the launch site in the event that control is lost. Video link transmitters should be mounted well away from the main radio receiver to avoid interference.

Show and Tell:

Henry Smith III found an agro (dusting/spray) model at the field. The owner was notified and only wanted the return of the motor and radio.

Raffle:

Item	Winner
Guilow Spitfire rubber powered plane	Charles Siegfroid
Undefined RC	Mike Fox
Flying Shark (Helium balloon)	Ted Broberg
K Model airplane kit	Jesse Calleros
Book titled "Never Call Me a Hero"	Ralph Siegfroid
Dick Baxter biplane	Chuck Herrington

Attendance:

Joel Jones	Raul Odin (Guest)	Ralph Siegfroid
Charles Siegfroid	Sid Hood	Mike Costello
Ted Broberg	Ross Thomas	Chuck Herrington
Rob Askegaard	Fred Hesse	Mike Gaczowski
Jeff Yang (Guest)	Paul Tiuhy	Travis Black
Randy Wilbur	Jesse Calleros	John Anderson
Gary Dutra	Angela Dutra (Guest)	Mike Fox
Henry Smith III		

The meeting was adjourned about 8:45 PM. Respectfully submitted by Fred Hesse substituting for Joni Whitsitt, Secretary.



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.

2918 Imaginology at Orange County Fairgrounds

HSS has again been invited to participate in the 2018 Imaginology event at the Orange County Fairgrounds. This is an annual event and HSS has been very active over the last several years. In 2017 we teamed with Squadron 68 of the Civil Air Patrol, and the Knights of the Round Circle. Initial details are shown below, but this gives us plenty of opportunity to plan for this really fun event. Your help is needed in this community service effort. Sign up for a half day or more with Joel Jones or Joni Whitsitt.



Friday, April 13: 9 a.m. - 3 p.m.
 Saturday, April 14: 10 a.m. - 5 p.m.
 Sunday, April 15: 10 a.m. - 5 p.m.

Dynamic Soaring Lecture

Famed dynamic soaring enthusiast Spencer Lisenby has produced a 56 minute lecture on dynamic soaring techniques, at the link shown below. It appears that the new model aircraft speed record was recently set at 519 MPH, using a dynamic soaring glider.

<https://www.rcgroups.com/forums/showthread.php?3047118-Dynamic-Soaring-explained-56minute-lecture>



Fairview Park Fencing

As most are aware, the United States Fish and Wildlife Service (USFWS) has been assessing the San Diego Fairy Shrimp at Fairview Park. This is purported to be an endangered species, and the Service is convinced it can save them, at least at Fairview Park. This has triggered a flurry of fencing installation (beginning in December 2017), at least to the point of installing steel posts for the steel cable fencing. The City charged ahead, oblivious of the Fairview Park Steering Committee (FVP SC), or Measure AA which was an initiative approved by the voters of Costa Mesa that established the Steering Committee, and laws concerning what can be done by the city at Fairview Park.

Finally, the Steering Committee has come to life and brought the fencing project to a screeching halt. They have forced the city to remove a number of the fence posts, and are reviewing location and type of fencing construction. BUT WAIT!! One cannot simply remove a fence post. It takes a two page detailed procedure to properly direct a post removal.

Should you care, go to: <https://www.costamesaca.gov/ftp/fairviewparksteeringcommittee/agenda/2018/2018-02-14/Item5a.pdf> procedure to for the fascinating description. Surely, more to come.

Fairview Park Weather Station

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

Team USA F3J Thread for Romania World Championship, July 2018

It is my great pleasure to announce the Selection of 6 outstanding Pilots, 2 Towers and the Team Managers for the USA to battle the World at Brazov, Romania in the summer of 2018. The Senior Pilots are Neal Huffman, Bob McGowan and Jody Miller. The Junior Pilots are Stoil Avramov, Noah Myers and Luke Glaab. The Team Manager is Gordon Buckland and the Junior Team Manager is Josh Glaab. We have selected Kelly Johnson to be the Tow Captain and Mark Browning and Dave Bradley as the Towers. This is a fabulous team loaded with talent and has a terrific opportunity to take Gold in Romania. Please congratulate the Team members and let's get behind this Team to make sure they have the best opportunity to represent this country with distinction.

[Team Page is here. www.teamusaf3j.com/?page_id-1843](http://www.teamusaf3j.com/?page_id-1843)

We will be starting our fundraising early with the biggest Raffle ever seen in RC Soaring and a nice range of apparel ready for you to order for Christmas. We are currently looking for Team Sponsors. If any of you have any worthwhile item or service to offer the Team we would love to include your donation as a prize in the raffle. Anything of value will be accepted so please contact me directly at gordon@teamusaf3j.com if you can help. We will promote the raffle and its sponsors on this thread and also on the [FaceBook Page](https://www.facebook.com/teamusaf3j) here www.facebook.com/teamusaf3j

We have some new sponsors this cycle with Peter Goldsmith Designs and Plane Quiver along with some very generous companies you need to support because of their extraordinary generosity such as Horizon Hobby.

Please go to the Raffle Page and purchase Tickets. We have a great EARLY BIRD DECEMBER Special with a free Team F3J T shirt for all Ticket buyers who spend \$100 or more in December 2017 AND 4 tickets for the price of 3. Get in early and grab your best chance at some incredible prizes.

(Early Bird shirts are not in stock yet but they will ship as soon as they are received)



Richard Odle

We are very sorry to report that Richard Odle passed away. Please refer to the link below for a tribute to Dick.
<http://obits.ocregister.com/obituaries/orangecounty/obituary.aspx?n=richard-calvin-odle-rofly&pid=188356547>

Richard Calvin "ROfly" Odle

Richard Calvin Odle

It is with great sadness that we share with you that Richard Calvin Odle has caught his final thermal on Wednesday, February 21st, 2018 in Huntington Beach, Ca. Dick lived a rich life, was a brilliant man, and was highly successful in whatever venture he pursued. The heart of Dick's life was spent running an Architectural firm, but his soul was always in the sky. Dick loved to fly, loved to design, loved to drive fast, loved his Jack, and he loved and cherished his family and the so many friendships he has made over his lifetime. He is well known in the glider community for his design of the RO-8 glider, the "gorilla winch", and most recently, helping to develop the class of gliders known as hand launch. Dick retired from Boeing as an aircraft designer, immensely enjoying his work on the Blended-Wing-Body design. He is survived by his son, Scott Odle; daughter, Laurie Lombardo; sister, Jean Marinick; and companion Mary Butts. God speed ROfly.

Published in Orange County Register on Mar. 4, 2018.

Rob Askegaard has provided a wonderful photo of Richard holding his most recent 2 meter glider.



From RTL Fasteners

Joni recommended running this announcement.

Dear Club Officers and Members,

RTL Fasteners has been supporting RC clubs for many years; donating raffles items and other prizes. We are reaching out to ask that you give us your mailing address and contact info so we can send your club some of our products for you to distribute at your next meeting or event.

We also need your support! Please remind your club members that we are out here and running some great discount offers online. All of our current discounts are available to view on our homepage. You can follow this link to our website: <http://www.rtlfasteners.com> or Google RTL Fasteners.

In the meantime, you and your club members may use code **club318** to receive 20% off any order over \$25. Please forward this to your club members so they can take advantage of this special club discount. Thank you, Meghan - RTL Fasteners [1\(800\) 239-6010](tel:18002396010)
<http://www.rtlfasteners.com>



Modeler of the Month

Jerry Smith is nominated as our modeler of the month for allowing us to feature two of his most recent planes. Below is Jerry with his new Northrop P-61 Black Widow which has a 60" span and is produced by Dynam Models. This model has contra-rotating props, which require a total of four motors. It runs on 4 cell, 5200 mA 5 cell batteries. Photos are courtesy of Rob Askegaard who reports that it flies well. Thanks, Rob. Jerry's second plane is an ME-262 electric ducted fan, produced by Free Wing.



Modeler of the Month (Continued)



Seen Around the Field



A foam Oracle Pitts biplane. Unknown owner. Gene Favilla shows his scratch design and build WWI look alike.

At right is a foam F-18F Super Hornet by FMS. It has a 34" span and 70 mm EDF. Unfortunately no name given. Below left is another view of the F-18F. Below right is another photo of the Oracle. Photos courtesy of Rob Askegaard, who really tries to identify owners.



Bernoulli 3515 Integrated Motor

Here is a new twist for electric powered planes. The Bernoulli company has integrated the motor and electronic speed control into a single package. Check this out.

Shave hours off your build process with this 3-in-1 motor solution, Shipping Today!

The Bernoulli 3515 comes with built-in ESC and RGB Nav-Lighting in one powerful and intuitive solution. With the built-in direction switch, Nav-LED switch and XT30 connector no soldering is required. Simply mount, plug-in and you are ready to fly!

Stop worrying about the reliability of your motors, the Bernoulli 3515 is engineered for extreme durability and reliability and is capable of performing in nearly any condition. The internal ESC is conformally coated to protect from wet conditions.

Out-of-the-box, Bernoulli 3515 will work with any flight controller. The built-in ESC is pre-tuned for maximum performance and efficiency. The programmable navigational light is a must for line-of-sight flying and allows for enhanced visibility and awareness.

Specs:

- Motor Size: 3515
- RPM per Volt: 500 kV
- Shaft Size: 4 mm
- Weight: 167g
- Input Voltage Range: 10V - 25.5V
- Recommended Battery: 4s - 6s LiPo (14.8v - 22.2v)
- Continuous Current: 20 Amps (500W)
- Burst Current: 35 Amps (875W)
- Mounting Bolt Pattern: 16x19, 19x25, & 25x25



Recommended Prop*:

- Multirotor: 12-inch to 15-inch Diameter, 3-inch to 5-inch pitch
- Fixed Wing: 9-inch to 13-inch Diameter, 5-inch to 9-inch pitch

Recommended Aircraft Weight*:

- Multirotor: Up to 1.5 KG (3.3 lbs) per motor
- Fixed Wing: Up to 4 KG (8.8 lbs) per motor

Each Bernoulli comes with:

- Bernoulli 3515 Integrated Motor
- Prop Adapters: 6 mm Threaded Post and T-Style
- 50 cm Long Pre-Soldered Power Cable w/ XT30
- 30 cm, 50 cm, or 75 cm long Signal Cable (specify above)
- Mounting Screws
- Signal Cable Length: 30 cm (12 in)

Unit Price: \$99

www.inspiredflight.com <https://www.inspiredflight.com/products/bernoulli-3516-integrated-motor?variant=991685148678>

Ever Wonder?

Why is it that Doctors call what they do 'practice'?

Why is lemon juice made with artificial flavor, and dishwashing liquid made with real lemons?

Why is the man who invests all your money called a broker?

Why is the time of day with the slowest traffic called rush hour?



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.

Alberto Donna has generously donated four airplanes to the club for raffle prizes. Each are new or in very good condition and need only some small amount of TLC (remounting servos, gluing on a fin, installing new motors or basic radio installations.) There are two larger gliders, one smaller glider and one small park flyer type.

SC-2 Competition

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>

February	18	Hemet	July	15	ISS (Soccer field)
March	18	SWSA	August	19	TOSS
April	15	Perris	September	16	TPG
May	20	Victorville	October	21 -	SWSA
June	17	HSS, Costa Mesa			

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

HSS History

Harbor Soaring Society is approaching its 55th year as the oldest AMA chartered soaring club in the USA. Members come and go, and very often miss the astonishing history of accomplishments that make this club what it is. Richard Odle has assembled a 31 page slide show covering barely the frosting of this club. Your editor is continuing a multi-month feature in this newsletter that will show part of this history each month. In the November issue we showed slides 1 through 5. Here are slides 24 through 30. We hope you do enjoy. For those of you that wish to research more on HSS, check out our archives.

**Harbor Soaring Society at Fairview Park
Community Benefits – Flight Training at The OC Fair**



Happy Family Flying Simulator



Teaching the basics of Flight



Mike Fox Making Lady Smile



Young Man Concentrating!

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HSS History (Continued)

**Harbor Soaring Society at Fairview Park
Community Benefits – Introduction to the Miracle of Flight**



Ted Broberg with Art, Doing Well !



Future Airline Pilots Learn from a Pro !



Model Airplanes... A Family Affair !



Tina After First Flight, Big Grin !

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**Harbor Soaring Society at Fairview Park
Community Benefits – A Hobby that Lasts a Lifetime !**



Frank Colver, A Founder, Dedicated !



A Waldorf Mom Flying The Simulator



Ground School Over... Time to Fly!



A Hobby for Kids of All Ages !

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HSS History (Continued)

**Harbor Soaring Society at Fairview Park
*Community Benefits – Educational Outreach***

During it's 50+ years existence... the members of the Harbor Soaring Society have spent countless hours instructing the next generation of engineers and pilots...



HSS member John Anderson, teaching the "next generation" of Engineers !



Future pilot looking skyward, success !

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**Harbor Soaring Society at Fairview Park
*Community Benefits – Educational Outreach***

HSS members... Fred Hesse, John Anderson, Joni Whittsit, Dick Baxter and others spend quality time teaching local students the elements of aircraft design !



Davis, Whittier and Wilson schools have all benefited from HSS taught aeronautical programs.

STEM (Science – Technology – Engineering – Mathematics)
HSS members are also actively pursuing the creation of STEM curricula for local High Schools.

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HSS History (Continued)

**Harbor Soaring Society at Fairview Park
Community Benefits – HSS Educational Outreach and Support**



The UCI 2012/2013 DBF Team briefing our membership on their success, **First Overall** at the AIAA World Heavy Lift Competition out of 80 teams entered, kudos !

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**Harbor Soaring Society at Fairview Park
Community Benefits – Respect for the Environment
and the joy of soaring with our friends in the sky**

Gliders sharing a thermal with White Pelicans... thanks good friends, soaring is a joy...
(Fear not, they are way above the gliders, so no interference is involved)



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Plane Rap Archives

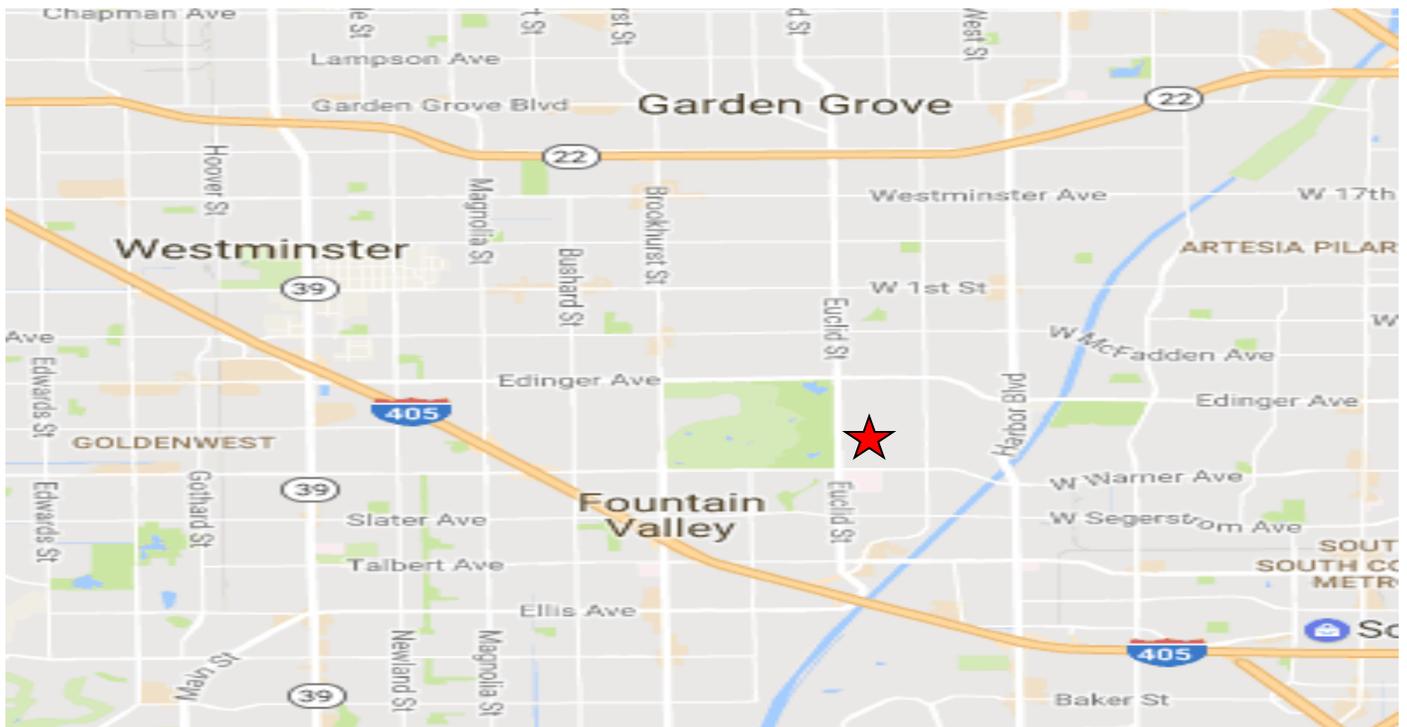
Thanks to John Brown, a previous editor of Plane Rap, we have found out that four recent issues were not published, so we won't list them as missing from our Plane Rap newsletter archives. January, July, and December of 2000, and January of 2001 are non-existent. Again, if any one has any part of the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

April 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.



AMA Clarification Letter

The AMA recently sent a clarification letter to the International Civil Aviation Organization in Canada. Here is the content of that letter, sent by AMA President Rich Hanson.

March 5, 2018

The Honorable Dr. Fang Liu

Secretary General

International Civil Aviation Organization

999 University Street

Montréal, Québec

Canada, H3C 5H7

Re: Airspace Safety and the Regulation of Recreational UAS

Dear Secretary General:

As you are aware, the Flight Safety Foundation recently penned a letter to you regarding recreational unmanned aircraft systems (UAS) and expressed a concern about airspace safety. On behalf of the Academy of Model Aeronautics (AMA), the world's largest association of model aircraft and drone hobbyists, representing nearly 200,000 members across the United States, I would like to correct the misinformation in the Foundation's letter.

To be clear – there are already rules and a federal framework in place that recreational UAS operators must follow. In addition, the Federal Aviation Administration (FAA) has full enforcement authority over all operators in the nation's airspace per P.L. 112-95 Section 336 (b), 14 CFR Part 107, and existing aviation FARs such as 14 CFR 91.13.

All UAS operators must follow one of two paths to fly legally in the U.S. The default regulatory mandate for all drone pilots is the FAA's 14 CFR Part 107, also known as the Small UAS Rule. This requires both recreational and commercial drone operators to secure a remote pilot certificate from FAA. The only exception to Part 107 applies to individuals who are active participants in, and operate within the safety programming of a community-based organization such as the AMA. This is called the Special Rule for Model Aircraft, which is codified in 14 CFR Part 101, Subpart E. These are the only two options to fly legally – Part 107 or Part 101. In addition, all drone pilots must register with the FAA before they take flight.

Airspace safety has been one of AMA's top priorities since our founding in 1936. For eight decades, we have successfully managed our community of responsible model aircraft hobbyists, who notably have operated and continue to operate safely alongside manned aircraft. Our members follow a strict set of safety guidelines and they know where and how to fly. We also inform members of the latest developments in drone policy and notify them of any local restrictions, such as Temporary Flight Restrictions. Importantly, our members are afforded a \$2.5 million liability insurance policy, establishing financial responsibility.

Unfortunately, as drones have become more popular in recent years, there has been a significant amount of misinformation about the existing laws recreational UAS pilots must follow. Even those who work on drone policy sometimes inaccurately characterize the current regulatory regime governing UAS. This is why AMA has worked diligently for years to educate the public on the laws, as well as the basic guidelines for flying responsibly.



AMA Clarification Letter (Continued)

We strongly believe that education is the best and most effective way to ensure the safety of our airspace. Importantly, if UAS pilots do not follow these drone laws, they must be held accountable by the authorities. We have urged law enforcement and the FAA to issue civil and criminal penalties, as well as pursue jail time, against reckless pilots. There must be consequences for not following the law.

In response to the Foundation's claim that near misses and collisions with manned aircraft are increasing, we point you to a recent report released by the Unmanned Aircraft Safety Team (UAST), co-chaired by the FAA, in December 2017. A working group within the UAST was formed with representatives from the UAS community, including those from the FAA, the Aircraft Owners and Pilots Association (AOPA), DJI, the Air Line Pilots Association (ALPA), as well as AMA, to review and analyze the FAA's data on drone sightings

The UAST's final report concluded that the vast majority of the drone sightings are of little to no risk. "First, perhaps most significant, a relatively small percentage of analyzed sightings were categorized as being of risk," the Working Group wrote in its report. "There is general consensus that some of the sightings are potentially high risk and need to be mitigated, but the majority of sightings are not necessarily high risk." In addition, the report found that the FAA's drone data is "too inconsistent and not standardized" and that the data must "be considered within its appropriate context."

The findings and recommendations of the UAST are consistent with AMA's prior analyses of the FAA's drone data dating back to September 2015 (Our most recent analysis can be found here, from May 2017).

We strongly urge ICAO to consider the full picture as you create Standards and Recommended Practices for drones, and when making recommendations to the United States on UAS regulations. If we can be of assistance to ICAO in this regard, please do not hesitate to ask.

For our part, AMA will continue to advocate and educate the public – and correct any misinformation about drone policy when we see it. For existing drone laws to work, they must be followed. And if they are not followed, there must be consequences. Increased education for the public and increased enforcement against careless and reckless operators is critical.

Sincerely,

Rich Hanson

President of the Academy of Model Aeronautics

Ever Wonder?

Why isn't there mouse-flavored cat food?

Why didn't Noah swat those two mosquitoes?

Why do they sterilize the needle for lethal injections?

Why don't sheep shrink when it rains?

If con is the opposite of pro, is Congress the opposite of progress?



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.

- Your newsletter editor is looking for new or used Airtronics (made by Sanwa) 2.4 GHz receivers. Size can be 4 to 8 channels. Preferred part number for a 6 channel receiver is 92224, or 92824 for an 8 channel receiver. These need to be compatible with FHSS-1 which interfaces with analog servos.

I have an Airtronics RD8000 transmitter that I really prefer, but with the demise of Hobby People, sources for this brand of radio are drying up. I will offer fair market value. Contact Fred Hesse, fhesse@socal.rr.com or 714-963-5838. Thanks.

- Larry Koch has a three meter glider wing, shown below, that he wishes to give to someone who can use it. It resembles a Gnome wing. Contact Larry at LL K larrykoch@gmail.com if you are interested.



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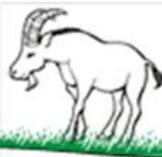
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MEMBERSHIP APPLICATION 2018

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 _____

- 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		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
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Certified UAV/Drone Instructor	Joel Jones		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

<p>NEXT CLUB MEETING WILL BE:</p> <p>TUESDAY APRIL 3, 2018, AT ROUND TABLE PIZZA, 11095 WARNER AVE.</p> <p>COSTA MESA, GENERAL MEETING 7-9 PM.</p> <p>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.</p> <p>SEE THE COLOR NEWSLETTER SENT BY E-MAIL AND AVAILABLE ON OUR WEB SITE.</p>
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Harbor Soaring Society
 P.O. Box 1673
 Costa Mesa, CA 92626

