



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 2011-2019.

September 2019

HSS IS NOW OVER 55 YEARS OLD!

Volume 56

TAG Open House event planned for September 14, 9 AM - 3 PM.
Static displays, demonstration flights, flight simulators, flight training. See pages 10-14 for event planning. Help is needed.
See what you can contribute to this event.

Plane Rap Index

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Coming Events and Soaring Competitions

September 2019 – November 2019

- Tuesday Sept 3, 2019. HSS Steering Committee meeting, 6 PM. Round Table Pizza, 11095 Warner Ave. Details, agenda on P.7, and location, see P.16.
- Tuesday Sept 3, 2019. HSS General Meeting, 7 PM. Round Table Pizza, 11095 Warner Ave. Details, agenda on P.9, and location, on P.16.
- Saturday Sept. 14, 2019. HSS open house and TAG flight training. See P.11--15 for more details.
- Tuesday Oct.1, 2019. HSS Steering Committee meeting, 6 PM. Round Table Pizza, 11095 Warner Ave. Details, agenda, and location, to be supplied.
- Tuesday Oct.1, 2019. HSS General Meeting, 7 PM. Round Table Pizza, 11095 Warner Ave. Details, agenda, and location, to be supplied.
- Friday-Sunday Nov 1-3, 2019. AMA Expo 2019. Los Angeles Fairgrounds in Pomona. See P.8 for more details.



August 6, 2019, HSS General Meeting Minutes

The August 6, 2019 HSS General Meeting was held at Round Table Pizza restaurant in Costa Mesa. Your secretary was on vacation so the following notes and comments are somewhat fragmented.

1. The meeting was called to order by President John Rittenhouse.. Officers in attendance included Vice president Henry Smith III, Treasurer Jim Hanson , and General Director John Anderson.
2. Members in attendance was not tabulated.
3. John R. conducted the pledge of allegiance.
4. A discussion of the up-coming TAG Open House event was held.
 - 4.1. Jim Hanson has committed to putting a notice on the kiosk.
 - 4.2. John Rittenhouse obtained the city permit for the event, and put a notice on the HSS Facebook page.
 - 4.3. John Anderson committed to having the CAP assist in providing the manpower for the event
5. Jim Hanson has been very diligent about recording activity surveys out at the field. His work has been a godsend for the club.
6. John Anderson has been following up some leads generated by the club website, he attended the most recent status meeting on Mile Square. John also presented two ideas on how to solicit more members.
7. Henry has continued mowing the field. Henry is in the process of talking to Cynthia about allowing the use of the "Weed Eater" line trimmers to remove the stubby shrubs that cannot be cut with the mower.
8. Henry has responded to Cynthia (FVP administrator) inquiries regarding some miss information she had received concerning the environmental impacts of our flight operations. Donald Wittenberg also provided some VERY scholarly research regarding some of the assertions.
9. John R. continued his ongoing negotiations with the FAA regarding our LOA. During the meeting, John circulated an article published in Aviation Space & Week Technology, that spoke of the FAA's intention to eventually equip all drones (model aircraft?) with transponders.
10. Jim was the guest speaker for the night. He spoke about his drone flights, and narrated two drone videos.
11. Raffle Winners and Show and Tell.

Below, is Henry Smith III with a profile foam stunt plane.

Not shown is Rob Askegaard who won the Radian XL.

At right is Ted Broberg and his P-61 Show and Tell.

12. John Rittenhouse concluded the meeting.



August 6, 2019, HSS Steering Committee Meeting Minutes.

The logistics of the upcoming "TAG" event were discussed.

On going maintenance of the runway and compliance with City environmental requirements were reviewed.

John Anderson submitted a page of comments that will be addressed in a later meeting.

The Action Topic list was not reviewed. this will be delayed until the August 6 meeting.

Note: The Action Topic List was not reviewed or updated on August 6.

Steering Committee Topic Report and Meeting Agenda for 3 September, 2019

13. **Closed. (25 June)** Plan Fairview Park Use Permit application. **Due by June 2019.**
Action: John R. to provide Power Point presentation used previously. Further plans will be made.
Application is being processed.
Conclusion: HSS received a one-year extension to the Use Permit.
18. Plan budget for HSS expenditures for 2019.
Action: Jim Hanson to prepare budget based upon inputs from officers. Final budget to be approved by Steering Committee.
Partial Conclusion: Jim Hanson has nearly completed the 2019 HSS Budget. However, he is limited by lack of an activity schedule, Item No. 19.
19. Plan an activity schedule for 2019.
Action: A draft Activity Schedule was prepared by Fred Hesse. Subject to Committee approval.
Further Action: An Activity Survey was sent out to all members to vote on proposed activities. Results of this poll was published in July newsletter. Steering Committee did not have time to discuss at 2 July Steering Committee meeting.
21. Complete club property inventory for 2019. Who, when?
Action: Fred H. volunteered to complete the club property inventory, but completion date is undefined, pending storage container inventory.
Conclusion: See Excel spread sheet file titled Preliminary HSS Shed Inventory 2019.xlsx reproduced in HSS Plane Rap newsletter dated June 2019. The final inventory was presented at 2 July Steering Committee meeting. Also see file titled HSS Video Library.doc in the June 2019 newsletter. An inventory of HSS DVDs will be prepared.
22. Review Newsletter Archives and Club Documents Inventory already prepared by Fred Hesse.
Action: Fred Hesse to send documents and files to John Rittenhouse for insertion on to web site.
26. **On Hold. (May 7) Review** John Anderson's two documents on proposed membership increases.
Conclusion: This action topic on hold.
27. **On Hold. (May 7)** Travis Black had been arranging manufacture of club T-shirts.



Steering Committee Topic Report and Meeting Agenda for 3 September, 2019 (Continued)

Conclusion: This action item will be on hold until someone wishes to take responsibility for procuring T-shirts and/or coffee mugs.

37. On Hold. (May 7) Review John Anderson's documents and plan methods to increase HSS membership. Ref closed item 2 and topic 26. This action topic on hold.

39. Letter of Agreement. Comply with AMA message dated 4/26/2019 which discusses establishing a letter of agreement with local airports, in this case SNA.

Action: John Rittenhouse wishes to procure examples from other clubs. AMA Assistant Vice President Dave Meriwether will try to obtain guidelines.

40. Begin planning for TAG Open House. Program to be managed by Fred Hesse with Steering Committee approval of all tasks. Henry will act as event director and apply for city permit.

Action: Fred Hesse is preparing activity and advertising plans. Preliminary status report to be given to club members at September 3 General Meeting.

44. Closed. (June 25) Steering Committee to review draft Use Permit received from the city.

Conclusion: City Council approved one year extension to HSS Use Permit on 25 June 2019.

45. John Rittenhouse to prepare Letter of Agreement for SNA air traffic control office.

LOA draft sent to AMA for final format and approval.

46. Closed. August 6) A Radian XL was donated to the club. This is a 110" span motor glider not suitable for basic training. Committee to determine what to do with it. (Sell or raffle it off.)

Conclusion: Radian XL raffled off at August 6 meeting. Won by Rob Askegaard.

New topics include:

- Runway maintenance
- Park cleanup.
- Final club inventory approval.
- Participate in Horizon Hobby/AMA flight school. Appoint more instructors, sign into program, post onto web site.
- Consider an HSS "Worthy Student" program where HSS would annually gift a new model aircraft and radio to the most deserving and needy young student. This might fit in with flight school (above).

The above Action Item List will be the subject of the next Steering Committee meeting held 3 Sept. 2019.

Proposed Agenda for 3 September, General Meeting

The following is a suggested agenda for the next General Meeting, to be held on September 3, 2019.

- Pledge of allegiance.
- Opening Statements.
- John Anderson will discuss some of his CAP activities.
- Jim Hanson may have comments.
- Fred Hesse to report status of TAG Open House event to be held 14 September.
- Maybe discuss items of importance from the Steering Committee Meeting held one hour earlier.
- Fred Hesse to present HSS history contained in newsletters (If time permits.)
- Discuss need for runway maintenance, planned for early to mid-July.
- Raffle available items.

Adjourn General Meeting.



Seen Around the Field

These and the photos on the next page all courtesy of our club photographer, Rob Askegaard. Thanks, Rob.



Top left is George Pavey with his Extra 300. Top right is Stephan Steinberg with "Sportsman" by Horizon Hobby.



Above left are the glider guys.



Above right is Tony McMillan's Bush Mule by AVIOS



Above left is Tony McMillan's P-47.



Seen Around the Field (Continued)



Jack Ras assisted by his father.



Jack Ras ready to fly.



Henry Smith III with student.



Henry with Joey Hill, Brent Hill, and father Rick Hill.



Jim Hanson's "Timber Turbo" by Horizon.



Robby Robison (flying) with his dad, Glenn Robison.



AMA Expo Coming November 1-3, 2019**AMA Expo: Sign up now for the swap shop**

AMA Expo is right around the corner. It will be held November 1-3, 2019, and swap shop registrations are now being accepted for this year's show. Tables are \$50 each and will be assigned first-come, first-serve. To be held at Los Angeles Fairgrounds in Pomona.

Advanced Ticket Prices

One Day Member	————	\$11.00
Two Day Member	————	\$19.00
Three Day Member	————	\$25.00
Life Member One Day	————	\$6.00
Life Member Two Day	————	\$10.00
Life Member Three Day	————	\$13.00
Non Member One Day	————	\$13.00
Non Member Two Day	————	\$21.00
Non Member Three Day	————	\$29.00
Youth	————	\$5.00
Group (10 or more)	————	\$9.00

At-The-Door Ticket Prices

One Day Member	————	\$13.00
Two Day Member	————	\$24.00
Three Day Member	————	\$33.00
Life Member One Day	————	\$7.00
Life Member Two Day	————	\$12.00
Life Member Three Day	————	\$17.00
Non Member One Day	————	\$15.00
Non Member Two Day	————	\$28.00
Non Member Three Day	————	\$36.00
Youth	————	\$5.00
Group (10 or more)	————	\$10.00

** Does not include convenience or handling fees.*

Kids 12 years & Under – Free

Complimentary Admission: Active Military w/ID,

Uniformed Girl/Boy Scouts, Navy Sea Cadets, Civil Air Patrol



FAA and Other Clubs

Your editor trades newsletters with a number of clubs in Southern California. Of particular interest is the following from Silent Electric Flyers of San Diego (SEFSD). Their newsletter titled Peak Charge always opens with comments from their Chairman, Brad. In this case he addresses a number of FAA related activities that are similar to those of HSS.

Our efforts to establish a Letter of Agreement with Lindbergh air traffic control continue. I would like to thank BOD members Quan, Steve, and Eric for their Efforts. Also a big Thank you to Steve Manganelli for his contributions and experience dealing with Government entities. Our LOA was submitted this week and we are waiting for a reply from the officials involved. While this process is underway we have not been instructed to cease operations, so we are still using our site. It is very important that we adhere to the posted guidelines at our site. Please make a STRONG effort to keep aircraft below 400 feet. Some folks have a harder time judging altitude than others - so If you think "I wonder if I am too high?" - You are too high and should not linger. Along these lines, Jeff has also reduced the motor run times for Electroglide to keep the gliders closer to our limits.

Late last month we had an Officer from the FAA visit our site. He was happy we were in talks with the tower, but was very unhappy that less than half of the models (Planes AND Multi-rotors) on site had FAA registration numbers displayed per the current legislation. While neither I nor the BOD members serve as FAA Police, and are not going to be inspecting your craft - I am motivated to state that the FAA requirement to register yourself and display your numbers can get you in hot water legally and the possibility of a hefty fine is not out of the question. 99% of us are grown-ups, Nuff said...

Your editor will continue to monitor the progress of SEFSD particularly since they are using the 400 foot altitude limit and yet are located very close to their major airport. I wonder what percentage of HSS members display their FAA registration numbers.

Passing of Todd McAndrew

We are very sorry to report that Todd McAndrew has passed away. He has been a long time member of Harbor Soaring Society, and an enthusiastic and capable thermal duration glider pilot. Todd's sister stopped by the field recently to provide this sad news, and noted that the family would like to hear our favorite stories about Todd. Contact her at DaneanHere@Gmail.com. Bruce Schaefer commented that Todd was only 58 years old but had been battling pancreas problems for years; always in pain.

New Drone Usage

Henry Smith III has suggested the following link showing new applications for drone observation.
<https://www.asme.org/topics-resources/content/7-invasive-species-hunting-drones>

Success of Young HSS Members

Henry Smith III has reported that Zeke Seraphen's mother came out to the field recently and told us Zeke will graduate in December, and will be a new 2nd Lt. in the Air Force. He has nearly completed 4 years at Long Beach State College, studying Civil Engineering. He has been with the ROTC and will continue with them in his future assignments, with the possibility of going to flight school.



Solicitation for Ideas to Grow HSS Membership

Club members are invited to submit ideas for expanding the membership base.

At times our club membership has approached 140 members. Today we are about half that number. This is your club, and your executive staff would like to hear from you as to what you would like to see in the way of goals and activities that would improve our club and encourage membership growth. Everyone, member and non-member alike, are invited to submit your thoughts. Come to a General Meeting and voice your ideas, or submit E-mails to any of the club officers shown on the last page of this newsletter. New ideas are solicited for competitions such as the Dollar Tree Foam Challenge, suggested speakers, video presentations, technology lectures, expanded raffles, inter-club events such as fun flies, return to the monthly glider competitions of previous years, and any other ideas that would attract participation and membership growth.

Fairview Park Weather Station

HSS members can utilize the very excellent weather station located near 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 2019 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.

FAA Registration Extension

When FAA registration was first required in December 2015, many of our members fulfilled the obligation and obtained their FAA registration, which is valid for three years. As the expiration date printed on the certificate approaches, these members have reached out to us to learn how to renew their FAA registration numbers. If you are a model aircraft owner who registered before December 12, 2017, and did not request to have your registration information deleted from the FAA's database, the FAA has extended the expiration date for you to December 12, 2020.

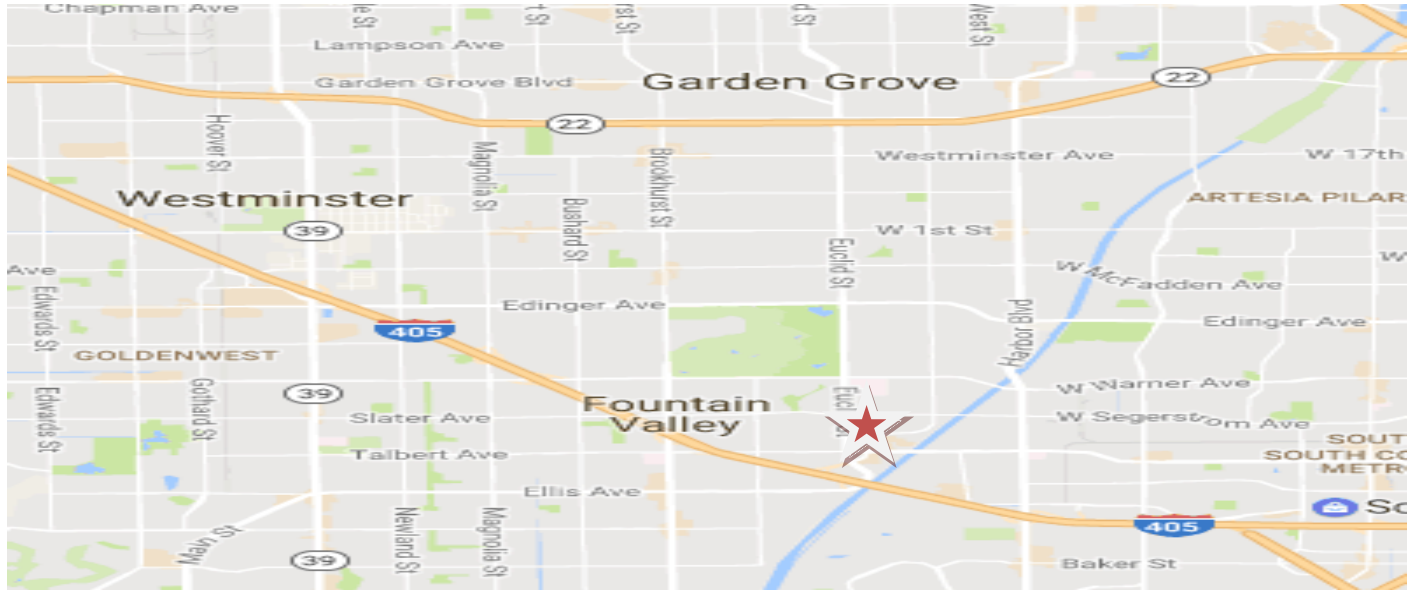
Donations For Club Raffles

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.



September 3, 2019 Meeting Announcement

Except for special occasions, we normally meet on the first Tuesday of each month 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. Bring your favorite plane for show-and-tell. Bring your wife, family, and friends. There will be a raffle. The location map is shown below.



Take-off And Grow Event Planning

In late January of 2019, your HSS officers submitted an application for a TAG (Take-off And Grow) grant from the AMA Education Department. We are pleased to announce that our submittal was approved, and that we have received a check for \$980 to conduct an open house and update our flight training equipment.

Preliminary planning has started. An event flyer is shown on page 16 of this newsletter. Preliminary event planning is shown below. This outlines some of the activities and club members who have volunteered (or may volunteer) to assist in the event. A lot of preparation is needed, but we have a formal date of 14 September for the open house, and we have a city use permit for the event. We plan to demonstrate winch launched gliders, discus launched gliders, aero tow glider launch, 3D stunt exhibition, motor gliders, scale and multi-motor planes, ducted fan jets, helicopters, drones, free flight rubber powered planes, and build and fly paper gliders. We will offer free flying lessons using the new equipment we will procure, and computer aided flight simulation classes. We are looking for members that would volunteer to demonstrate the various types of aircraft mentioned above. The CAP is expected to participate as arranged by John Anderson.

Event Layout and Schedule

Introduction to attendees by John Rittenhouse or Fred Hesse.

Enroll attendees.

Describe what is available and location of each activity:

Static displays. See different planes. Ask questions.

Demonstrations throughout the day.

Flight training. Four stage sequence. Issue check off name cards?

CAP contribution.

Refreshments and First Aid.

Paper glider build and fly?



Take-off And Grow Event Planning (Continued)

Static Display. Various models on display. Owners available to discuss features. Opportunity to demonstrate retract landing gear, flap positions, aero tow release. Solar Wonder?
Free flight rubber powered planes and gliders.

Emerald "Chuck" Herrington and Jesse Calleros both said yes to managing the displays.
Possible giant scale helicopter (Needs shade pop-up). Owner: V.P. Raghavan KG6LQP@gmail.com
Smaller helicopters? Dave Radell dradell@ca.rr.com Note: In E-mail communications to OCRCC Put HSS in subject line.

Demonstrations. Scheduled for 15 minutes? each throughout the day. Need announcer (John Anderson?) with Loud Hailer to explain what is going on. Need to set up winch (if used) and hi-start.

Possible young participants: Jack Ras(?), Jordan Lapin(?), Matt Price and son Hosea(?)
Justin Tam (?)

Large winch launched gliders. **May be cancelled?** Chris and Casey Adamczyk will assist..
Demonstrate duration thermal soaring and spot landing.

High start launched gliders.

Discus launched gliders. Tom Vincent (yes) and Doron Ben-Yehezkel (yes).

Motor launched gliders. Radian. Chris Adamczyk or Henry Smith? Erv Szego(?).

3-D stunt exhibition.

Ducted Fan jets. Jerry Smith (?). Jack Ras (?).

Scale and multi-motor planes. Don Whittenberg – WACO Biplane? Chris Madsen – F6F?

Helicopters (If available?). Hans Walker cutter.hw@gmail.com (?)

Drones. Pilot needed (?).

Aero tow glider. Fred Hesse and Henry Smith.

Possible solar powered demonstration? Fred Hesse

Free flight gliders and rubber powered planes. Emerald "Chuck" Herrington. and Jesse Calleros both said yes.

CAP Activities: To be coordinated by John Anderson.

Uniformed cadets providing information and security, especially on flight line.

Participation in demonstrations. Plane types to be determined. Drones?

Bring cockpit simulator?

Flight Training – Ongoing all day. This is a four stage sequence as follows.

- Stage 1. Ground School. Old Apprentice trainer plane with prop removed. Ted Broberg(?) demonstrates control movement, and illustrates plane change in attitude or position. Emphasizes plane response when flying away vs. flying toward pilot. Explain how radio works, and how altitude telemetry is returned (show altimeter sensor if available).
- Stage 2. Flight Safety. Kevin Koch explains where flying is allowed. Flying precautions. Range check. Pre-flight preparation, check control linkages, prop, proper control movement. Takeoff into the wind., vocal calls for takeoff and landing.. Altitude limits. Note trainers have altimeters. Discuss Li-Po battery precautions, fire extinguisher, sand bucket.



Take-off And Grow Event Planning (Continued)

Stage 3. Flight Simulation. One or possibly two flight simulators to be operating. Ralph Siegfried using HSS lap top with new RealFlight V8.0, and Fred H. using his personal lap top with RealFlight V5.5 doing training. AC extension cord needed from kiosk charging station. Consider setting up HSS large screen TV.

Stage 4. Flight School. Henry Smith gives flight training with new Apprentice. Maybe Chris Adamczyk using a large glider or new Radian. Second (old) Apprentice used by Ted Broberg at Stage 1.

Build and Fly Paper Gliders (if featured):

John Anderson to manage this operation. May need to bring extra table.

Literature Handouts at refreshment table managed by Marge Hesse.

HSS Tri-fold brochure.

HSS Membership Applications?

CAP brochures.

Rob's Hobbies flyer with map, hours, phone, web site.

AMA Tri-fold brochures.

Refreshments. Cookies by Marge, and bottled water.

Emergency Care: RN (Retired) Nurse – Marge. Bring First-Aid kit.

Facility Set-up:

Six picnic tables available.

120 VAC power available at kiosk.

Six 12 VDC charging stations available at kiosk.

Flight School Station: Managed by Henry Smith III and second instructor at Western picnic table, outside pits. Assisted by Jim Hanson with Maule MR-7. Chris Adamczyk Radian(?).

Simulator Station: One or two RealFlight simulators set up at westernmost picnic table in pit area. Laptop computer(s) powered by AC extension cord from kiosk. Pop-up shade covering needed. Dark blankets or equivalent hanging from edges to eliminate reflection on video screens. Possibly use large (42") club flat screen TV. Managed by Ralph Siegfried?/Fred H.

Refreshments Station: One of center picnic tables in pit area. Managed by Marge. Pop-up shade cover required. Cookies and bottled water for guests. First Aid kit, and literature hand-outs. If tablecloth desired, bring tape to secure it. Maybe bring ice chest.

Flight Safety Station: Managed by Kevin Koch on one of center picnic tables in pit area. Support equipment to be determined. Use flying area map. Discuss fire extinguisher. Demonstrate range check process.

Ground School Station: Managed by Ted Broberg on the Easternmost picnic table inside pit area. Requires a trainer plane and radio (old Apprentice?). Possibly use battery powered mechanical flight demonstrators. this table also used for demonstration flight staging area.

Static Display Area: Managed by Chuck Herrington and Jesse Calleros. Uses Eastern picnic table outside pit area. Use dirt beside path for additional space as needed. May use this table for staging demonstration flights. Additional pop-up shade covering needed. V.P. Raghavan(?) owner of 6 ft giant scale helicopter will only bring it if shade is available.

Build and Fly Paper Gliders: John Anderson to manage this operation. May need to bring extra table, or squeeze onto another picnic table.



Take-off And Grow Event Planning (Continued)

Ground photography will be by Rob Askegaard. Aerial photography TBD?

Someone needed part time in parking lots (Canyon lot, and Fairview lot) directing parking and visitors.

Preparation Activities Scheduled for Friday 13 Sept

- Charge winch batteries and retriever batteries if they are used.
- Confirm Loud Hailer has fresh batteries and works.
- Bring extra shade pop-ups and store in container.
- Bring extra tables and chairs. Store in container.
- Make signs for flight training stages. Arrange support.
- Bring HSS banner. Make posts and stakes for banner.
- Bring hand-out brochures.
- Test run flight simulators.
- Bring Hi-start and aero tow line..
- Get old Apprentice for Ted. Charge flight and transmitter batteries. Get other flight demo aids for Ted. Bring wing panel with clear cover.
- Make an aero tow practice flight.
- Make a Solar Wonder practice flight.
- Bring fire extinguisher and sand buckets if not already on site.
- Clarify CAP preparation with John Anderson.
- Bring chargers.

Demonstration Flights - Start 9:15 AM, Saturday Sept 14.

- 9:15 Thermal duration 3 meter gliders. Winch launch. Maybe attempt to catch a thermal. Maybe demonstrate spot landing after a 3:00 minute flight. .Chris Adamczyk Yes.
- 9:30 Motor glider launch. Demonstrate climb out, gliding with folded prop. Precision landing. Radian? Chris Adamczyk? or Henry Smith?
- 9:40 3-D pattern demonstration.
- 9:50 Giant helicopter flight?. Hans Walker cutter.hw@gmail.com of OCRCC. May have smaller helicopters. See V.P. Raghavan KG6LQP@gmail.com Dave Radell dradell@ca.rr.com of OCRCC.
- 10:00 Ducted fan jets.
- Jack Ras? with F9F.
- Jerry Smith with large TBD EDF?.
- Jordan Lapin with TBD?
- 10:20 Discus launched gliders
- Tom Vincent and Doron Ben-Yehzekel will demonstrate DHLGs.



Take-off And Grow Event Planning (Continued)

10:40 Large scale and/or multi-motor aircraft.

Don Wittenberg – WACO Biplane? Chris Madsen – F6F?

Tony McMillan Bush Mule twin? Tony McMillan P-47?

11:00 Drone.

11:15 Hi-start launch glider. Fred Hesse “Lite One” if necessary. Or Chris Adamczyk.

11:30 Aero tow. Henry Smith and Fred Hesse.

11:45 Solar powered demonstration? Fred Hesse

Interspersed throughout dead time: Rubber powered free flight and gliders.

Emerald “Chuck” Herrington and Jesse Calleros

Repeat above sequence beginning 12:00 noon until 3:00 PM.

If all goes well, we will have Rob Askegaard available to take photos of the activities, and possibly someone to take video from a drone. This photo documentation is part of the AMA grant management requirements that will accompany event reports and financial accounts.

All kinds of help needed. Contact Fred Hesse (Phone: 714-963-5838, E-mail fhesse@socal.rr.com.)

Need giant scale single or multi-motor planes, 3D pattern-stunt planes, drones with FPV, all for static display and flight demonstration Especially need young pilots for demonstrations – any type plane.

Free Plane Rap Copies

Rob Askegaard has free near new color copies of HSS Plane Rap newsletters from 2005 through 2017 that he would like to give away. Contact Rob at the monthly meetings or 714-968-1973. rmaskegrd@gmail.com .

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 35 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.

Take-off And Grow Event Flyer

The following page shows the flyer that has been prepared for the TAG Open House event.





Harbor Soaring Society

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



Takeoff-And Grow (TAG) Model Aviation Day Open House Sponsored By Harbor Soaring Society at our flying field

Date: Saturday, September 14

Time: 9 AM to 3 PM

Location: Fairview Park

2525 Placentia Ave. Costa Mesa, CA 92628

(Enter from Fairview Park main entrance, or Canyon Dr.)

Free open house to everyone. Young or old.

*Free flying lessons, free computer flight simulator,
 Free soft drinks and cookies*

Static Displays: See gliders, power planes, drones, helicopters. Ask questions. See how they work.

Flying Demonstrations:

Large gliders – Winch launched, catching thermals, spot landing

Discus launched gliders

Aero tow glider launch

3D stunt exhibition

Helicopters

Motor gliders

Scale and multi-motor planes

Ducted fan jets

Drones

*Learn to fly. Radio Controlled electric powered training planes for you to fly
 under the supervision of our Instructor Pilots.*

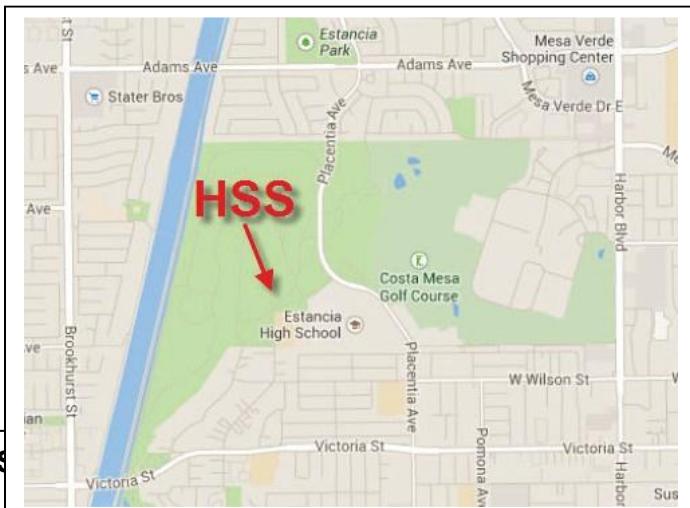
Try our computerized flight simulator guaranteed to recover after any crash.

Civil Air Patrol – Discover how you can be a part of the civilian air force.

Build and fly your own paper glider.

Academy of Model Aeronautics sanctioned event.

Restroom available on site



Club President: John Rittenhouse

johnritt@yahoo.com

714-222-8660

Event Director: Fred Hesse

fhesse@socal.rr.com

(714) 963-5838

See Harbor Soaring Society website for
 more info:

<https://www.harborsoaringsociety.org>



HSS Property

The HSS officers have completed the inventory of club property. This includes property in the container shed, club documents, Plane Rap newsletter archives, laptop computers, projectors, and DVD disks. If anyone has any club property in their possession, please turn it over to a club officer.

A preliminary Inventory was published in the June 2019 issue of Plane Rap, pages 13-14. This has been updated with the TAG procurements, and is shown below.

Harbor Soaring Society Club Container Inventory		Rev: 24 June 2019	
Item		Cost	Value
1	9 ft. by 9 ft. by 30 ft. Steel Container with 2" by 8" ramp for mower.	\$1,700	\$200
2	MTD Yard Machines Riding Lawnmower. Incl. 3 drive belts.	\$1,400	\$500
3	2.5 gallon plastic gas container with lid.	\$20	\$10
4	1.0 gallon plastic gas container with lid.	\$10	\$5
5	Four drawer gray steel file cabinet.	\$175	\$30
5-A	One drawer contents: Battery cables.	\$50	\$20
5-B	Two drawers contents: Winch parts.	\$100	\$50
6	Seven each 12 volt winches plus parts. (\$300 each)	\$2,100	\$1,000
7	Five each 12 volt retrievers plus parts. (\$200 each)	\$1,000	\$500
8	Six each 12 volt deep cycle batteries.	\$480	\$120
9	Flat wagon to carry winches, retrievers and batteries.	\$260	\$100
10	Two each battery chargers, 110VAC to 12VDC with timer.	\$130	\$50
11	Wood work bench with three overhead shelves.	\$145	\$20
12	Battery tester.	\$75	\$20
13	Loud hailer. Needs 8 C size batteries.	\$100	\$20
14	Shop vacuum.	\$80	\$20
15	Three each 10 ft. by 10 ft. pop-up sun shades.	\$90	\$30
16	Two each fire extinguishers, dated 2015.	\$60	\$10
17	Two each winch line turn-arounds.	\$250	\$40
18	A frame 8 ft. aluminum ladder.	\$40	\$10
19	Hand truck.	\$25	\$10
20	Three each one gallon containers of distilled water for batteries.	\$5	\$2
21	Four wheel light flat wagon.	\$20	\$5
22	Eight each quart containers of motor oil.	\$20	\$10
23	Six each electric extension cords. (25 ft. to 50 ft. length)	\$60	\$30
24	12 each spools of winch line.	\$290	\$60
25	5 gallon partial full bucket of Behr external paint for container.	\$50	\$20
26	5 gallon partial full bucket of roofing sealer.	\$50	\$10
27	100 ft. roll of surgical (high-start) rubber tubing (deteriorated).	\$100	\$20
28	Four each trash picker-uppers.	\$60	\$20
29	Four orange safety cones (Worn). Scrapped.	\$0	\$0
30	Measuring wheel.	\$85	\$10
31	Garden tools: 6 shovels, 3 rakes, 4 push brooms,	\$255	\$85



HSS Property (Continued)

	Item	Cost	Value
32	18 cans of spray paint.	\$75	\$10
33	Misc. paint supplies: paint roller, roller tray, brushes, tape.	\$50	\$5
34	New Master lock with 2 keys.	\$15	\$10
35	Misc. hand tools. Screwdrivers, wrenches, plyers.	\$100	\$20
36	Battery powered tire pump.	\$15	\$5
37	Misc. small pieces of rebar.	\$20	\$0
38	Thirty assorted landing tapes.	\$90	\$5
39	8ft. by 2 ft. by 1.5 ft. steel locker for battery storage.	\$125	\$5
40	Gas powered weed whacker	\$150	\$50
41	Two ft. by 8 ft. fabric club banner.	\$60	\$5
42	Wheeled chalk marker.	\$50	\$5

Note: 3 cans of chalk had hardened, and were disposed.

Removed from Container or in off-site storage.

43	Airtronics 72 MHz CH 14 transmitter with 5 servos.	\$200	\$35
44	47 inch flat screen TV with large metal support frame.	\$550	\$100
45	Elipsoid motor glider, 110 " span, with brush motor, ESC, Hitec 555 72 MHz Ch 54 receiver, 4 servos.	\$500	\$75
46	Elfi 39" span sport flyer, brush motor, 2 small servos. (Raffled 6/4/19)	\$100	\$0
47	2 meter slope glider. obechi on foam. (Raffled 6/4/19)	\$120	\$0
48	Laptop PC.	\$190	\$100
49	Digital projector.	\$556	\$100
50	RealFlight model flight simulator program, Version 5(?), with controller, runs on laptop PC.	\$125	\$20
51	Charging station on kiosk. Provides multiple ports of 12 VDC.	\$1,540	\$20
52	New Apprentice S 15E BNF with AS3x stabilization and battery	\$283	\$283
53	Old Apprentice S 15E. Beat up from about 4 years of flight training	\$283	\$40
54	Old Spektrum Dxe 4 channel training transmitter.	\$70	\$20
55	New Radian PNP motor glider, needs receiver	\$180	\$180
56	9 channel receiver with AS3X stabilization and altitude telemetry.	\$230	\$230
57	Master Transmitter for Radian, DX6e 6 Channel with telemetry. Student Transmitter for Raddian and Apprentice with wireless	\$200	\$200
58	link.(2)	\$140	\$140
59	RealFlite RF8 computerized flight simulator with wireless dongle.	\$140	\$140
60	Various flight batteries (3).	\$105	\$105

Totals \$15,547 \$4,945



2019 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, plus \$5 Administration fee.. 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 would like 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.



Raffle Prize For September 3 Meeting

This months main raffle prize is donated by Jordan Lapin. This is a Great Planes Sportster converted to electric. Includes motor, ESC, servos. No receiver. Needs some minor repair.



HSS CD Inventory

The following are CD discs that are part of the HSS property inventory.

Disk No.	Content	Comment
1.	Many HSS files.	Club operational files, all 2005.
2.	How-To videos.	7 files all dated April 2006.
3.	Many HSS files.	30 club operational files. 1999 to 2002.
4.	Bank Checking files.	All from 2005. Unreadable file format?
5.	Nov 2004 Spreadsheet.	240 entries, may include SC-2 pilots?
6.	HSS Photos.	All 2005. Some aerial photos.
7.	Model 3 view files.	Manuals of 7-10 models from 2005.
8.	HSS Word and PCC files.	25 Word files, many (unreadable?) PCC files.
9.	HSS Logo and field sign	Latest logo with Costa Mesa. Field sign is (unreadable?) CDR format.
10.	HSS field sign	2 files. One is (unreadable?) CDR format other is WHF format 3' x 4' size.
11.	HSS Banner.	May be unreadable CDR format.
12.	Many HSS Files	10 folders containing some history from 2006 to 2016. Also many operational files from 2016.
13.	G2 RealFlight Simulator	Includes serial number on jewel case.
14.	RF-8 RealFlight Simulator	CD version purchased with TAG Grant funds. Includes Spectrum WS1000 wireless dongle which allows DXe transmitter to control program.

These discs are stored in plastic tubs with newsletter archives and HSS documents.



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
[9690 Telstar Ave.](http://9690TelstarAve.com) Suite 226 El Monte, CA 91731 Phone: 626-656-3121

ROB'S R/C HOBBIES

Sales / Parts / Repair

Radio Control Airplanes, Helicopters, and Cars.

15071 Goldenwest St. Huntington Beach

S.W. Corner of Goldenwest & Bolsa Ave

(714) 372-3777

All HSS Club members with proof of club membership, will get a 10% discount on most parts and accessories. Discount does not apply to plane kits, helicopter kits, radios, and other already marked down products. Please ask staff if you have any further questions.

Robsrchobbies.com

robsrchobbies@earthlink.net



HSS Sponsors (Continued)

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Managing Director

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(949)294-8365
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MEMBERSHIP APPLICATION 2019

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:

September 2019



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HARBOR SOARING SOCIETY OFFICERS FOR 2019

President	John Rittenhouse	714-222-8660	johnritt@yahoo.com
Vice President	Henry Smith III	714-322-6537	henry.smith.3@earthlink.net
Treasurer, Membership	Jim Hanson	949-294-8365	hss.org60@gmail.com
General Director	John Anderson		
Secretary	Fred Hesse	714-963-5838	fhesse@socal.rr.com
Contest Coordinator	To be determined		
Safety Coordinator	Kevin Koch	714-651-1246	kev380@yahoo.com
Grounds Keeper	Sid Hood	714-963-4964	sidlhood@yahoo.com
Editor/Publisher	Fred Hesse	714-963-5838	fhesse@socal.rr.com
Club Photographer	Rob Askegaard	714-968-1973	rmaskegrd@gmail.com
Social Media Manager	John Rittenhouse	714-222-8660	johnritt@yahoo.com
Lead Flight Instructor	Henry Smith III	714-322-6537	henry.smith.3@earthlink.net

Web site at www.harborsoaringsociety.org, our YouTube site at <http://www.youtube.com/user/hssletsfly>,
Facebook at www.facebook.com/harborsoaringsociety and E-mail at hss.org60@gmail.com

NEXT CLUB MEETING WILL BE:

**TUESDAY SEPTEMBER 3, 2019, AT ROUND TABLE PIZZA, 11095 WARNER AVE. COSTA MESA.
GENERAL MEETING 7 TO 9 PM. STEERING COMMITTEE MEETING 6 TO 7 PM.**

**BRING YOUR FAMILY, WIFE, AND FRIENDS FOR DINNER. WE WILL HAVE A RAFFLE. BRING
YOUR FAVORITE PLANE FOR SHOW AND TELL. SEE DETAILS AND INSTRUCTIONS TO
LOCATION ON PAGE 11.**

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

