



# Harbor Soaring Society

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



## HSS PLANE RAP NEWSLETTER

HSS is the oldest AMA chartered R/C Soaring Club in the USA. Founded 1964.  
 Silver Leader Club since 2009, Gold Leader Club 2011-2013, 2015-2017.

August 2017

HSS IS NOW OVER 53 YEARS OLD!

Volume 54

**Sunday August 6<sup>th</sup> 2017, Fairview Park flying field will be closed from 7 AM to Noon for a 5 K race through the park. See P.20.**

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### Coming Events and Soaring Competitions

August - October 2017

- Tuesday August 1, 2017. HSS monthly meeting, Round Table Pizza, 11095 Warner Ave. General meeting, 7 PM. See P.14 for details.
- Saturday August 12, 2017. National Model Aviation Day will be sponsored by OCMA at Blackstarr field. Further details on P.3. See web site at [www.flyocma.com](http://www.flyocma.com).
- Sunday August 13, 2017. HSS hosts RES/woody glider competition at Fairview Park. See P.10 for details.
- Sunday August TBD. Sixth SC-2 soaring competition. Check with <https://www.sc2soaring.com>.
- Tuesday Sept. 5, 2017. HSS monthly meeting, Round Table Pizza, 11095 Warner Ave. General meeting, 7 PM. See P.14 for details.
- Sunday Sept. TBD. Seventh SC-2 soaring competition. Check with <https://www.sc2soaring.com>.
- Tuesday Oct 3, 2017. HSS monthly meeting, Round Table Pizza, 11095 Warner Ave. General meeting, 7 PM. See P.14 for details.



## **June 6 2017 General Meeting Minutes**

There were no minutes for the July 4 General Meeting, but we now have the minutes for 6 June 2017.

The General Committee meeting of HSS was held at Round Table Pizza, Fountain Valley, CA. The meeting convened on June 6 at 7:00 P.M. Joni Whitsitt, presiding.

Board and Steering Committee Members in attendance were: Mike Gaczkowski, Henry Smith III, Bruce Gale, and Fred Hesse.

The meeting began with the Pledge of Allegiance.

### **Announcements, by Joni Whitsitt**

#### **Fairview Park Steering Committee**

Joni encourages members who are residents of Costa Mesa to consider getting on the Fairview Park Steering Committee to help represent the interests of HSS.

#### **SC2 Content on Sunday, June 25, 2017**

This is a sanctioned event. The field is closed to public fliers and electric fliers. Please consider volunteering to assist with this event.

#### **No Meeting on July 4, 2017**

The next meeting will be held on August 1, 2017.

#### **Guest Speaker: Dick Odle presentation**

Dick's first career was designing housing for the military, and his second career was designing aircraft for Boeing. Dick shared that when designing an airplane – any airplane, one must consider the following:

- What's the mission?
- For what purpose is the plane being built?
- And... the "bean counters" drive design.

Design is an Iterative process, so try, try again.

Dick acknowledged HSS club members, who over the years, have contributed to instilling a love for flight in young people.

#### **Show 'n Tell**

Henry Smith III shared his Multiplex Fun (Piper) Cub XL. It has 10 channels, 6 servos, landing lights, and a bomb bay. It looked sharp, Henry - way to go!

#### **Special Drawing**

Joni held a special opportunity drawing for Imaginology Participants.

Ralph Seigfreid selected a Jenny JN4, and John Anderson, a Diablo plane.

#### **Opportunity Drawing:**

Item:	Winner:
Pliers	Ross Thomas
Cap 20 plane	Charlie Siegfroid
Screwdrivers	Jim Sonnenmeier
Pliers	Mike Gaczkowski
Streak plane	Ralph Siegfroid
Tweezers	Dick Odle
Tool holder	Ryan McMinimy
Baxter F.F kit	Ted Brogerg
Dubro ball joints	Kevin Koch



**June 6 2017 General Meeting Minutes (Continued)****Members in Attendance:**

Bruce Gale	Kevin Koch	Ryan McMinimy
Charles Siegfroid	Larry Koch	Ted Broberg
Dick Odle	Mike Gaczowski	Jim Sonnenmeier
Fred Hesse	Mike Fox	Mike Costello
Henry Smith III	Ralph Siegfroid	John Anderson
Joni Whitsitt	Randy Wilbur	Ross Thomas

The meeting was adjourned at 8:35 PM.

Respectfully,

Bruce L. Gale, Secretary - Harbor Soaring Society

**August 12, 2017, is National Model Aviation Day**

The Academy of Model Aeronautics has just announced plans for the annual National Model Aviation Day. Here is their report. In the past, HSS has participated in this event.

Every year, National Model Aviation Day grows. We invite all clubs to host an event on August 12 to celebrate the hobby and raise public awareness for their groups and our national organization. AMA has developed several resources to help make your event a success. This year the AMA Executive Council has selected the AMA Foundation as the national charity of support for the 2017 celebration. We are now accepting 2017 sponsorships.

OCMA will hold an event on Saturday, August 12th for National Model Aviation Day at their field. A new flyer will be published and the event will be open to the public. OCMA will be seeking help to run the event. They are planning several different types of flying events including an electric pylon race with P51's and drone racing and food. HSS and its members are also invited to participate and help where needed.

**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.

**Help Needed for Concerts In The Park – Community Service**

The 2017 series of Concerts In The Park is being scheduled by the Costa Mesa Foundation. Three concerts are planned, for July 11, 18, and 25, at Fairview Park. These are all Tuesdays. HSS has been invited to participate, so members are needed to staff the booth from about 4 to 8 PM. Contact Joni if you can help on any one or more concerts. Food and drinks will be available for purchase.

**HSS Continues as a Gold Leader Club**

Joni Whitsitt reports the following good news.

Erin Dobbs from the AMA e-mailed me this morning and said Harbor Soaring Society is a Gold Leader Club for 2017.

Congratulations to all members. Again HSS is a Gold Leader Club for 2017.

Joni Whitsitt, President

Editor's Note: HSS has been a Gold Leader Club since 2011, except for 2014 when we failed to qualify because we had not maintained a subscription to Model Aviation magazine for a local school or library.



## 2017 Consolidated Schedule of RC Events

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

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

Rev: 28 June, 2017



**Congress Drafting Legislation for Model Aircraft**

The U.S. House of Representatives and the U.S. Senate this week released proposed legislation for FAA reauthorization. We are pleased to share that both bills preserve the Special Rule for Model Aircraft and even contain some of the new provisions AMA has been advocating for to further protect our hobby. And while the Special Rule remains in both bills, there are areas of concern that we will continue to address with Congress.

As you may know, the Special Rule for Model Aircraft was passed in 2012 and allows community-based organizations (CBO) like AMA to continue managing our community of hobbyists without unnecessary government regulation.

As we shared on our blog yesterday, the [House version of FAA reauthorization](#) provides a clear definition of a CBO and tasks the FAA with developing a process for recognizing CBOs, both items we asked the House to include. In addition, the bill expands the protections of the Special Rule to allow model aircraft to be used as a teaching tool for science, technology, engineering and math (STEM), as well as aeronautics. Throughout the weekend and into early next week, we will continue to petition refinements to the bill.

The [Senate version of the FAA reauthorization bill](#) will require a little more effort, and we are working with the Senate to improve it. We believe it is important the Senate adopt language similar to the House to define CBOs and create a path to identify CBOs. However, we are glad that the Senate included the Special Rule for Model Aircraft and created carveouts for CBOs. The Senate bill also directs the FAA to prioritize education efforts such as the Know Before You Fly campaign, an effort which AMA helped create in 2014.

**Government Relations Update, June 29, 2017**

AMA is working hard in Washington, D.C. to represent and protect our hobby. We want to share with you more information about our activities this week.

First, AMA President Rich Hanson attended two meetings of the FAA's Aviation Rulemaking Committee (ARC), which brings the industry together to provide recommendations to the FAA concerning a full range of aviation-related issues. Importantly, this includes the integration of UAS into our nation's airspace. For years, AMA has shared our experience managing the hobbyist community in these meetings, which play a significant role in shaping FAA policy.

Also, our Director of Government Relations, Chad Budreau, participated in the Domestic Drone Security Summit. The goal of this meeting is to facilitate engagement between industry and government around drone security issues, inspire understanding, discuss solutions, and find areas for mutual collaboration.

This week Chad also met with the Army Corp of Engineers to discuss a potential partnership that could allow AMA to open many new flying sites across the U.S. Although this opportunity is still in the discussion phase, we are excited about creating more places for you to fly.

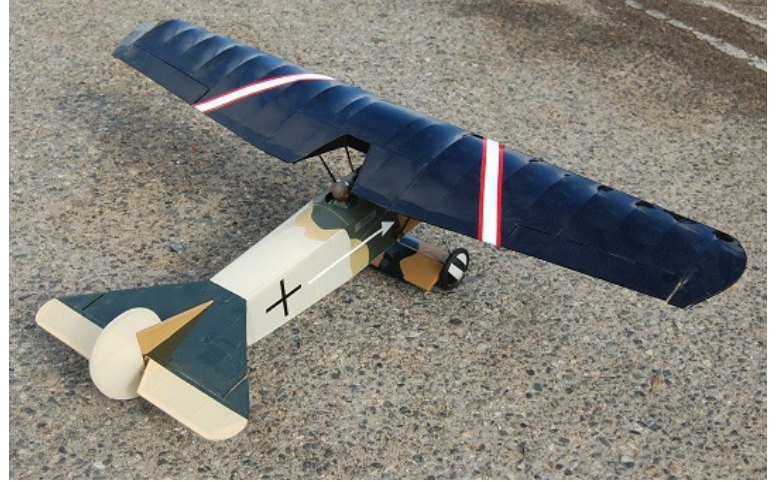
As always, we are committed to updating members on AMA's government relations efforts as frequently as possible, including our work to protect the Special Rule for Model Aircraft in FAA reauthorization legislation. The most up to date information is available on our website [www.modelaircraft.org/gov](http://www.modelaircraft.org/gov) and we encourage you to reach out with any questions.





**Model of the Month**

We happily nominate Bob Voss as Modeler of the Month for his beautiful Fokker DR-8, which he built from scratch! It has a 42 inch wing span, and uses an E-Flite 370 motor. The design is by Peter Fake. Bob has done a spectacular job with detail, as shown by Rob Askegaard's great photos. Thanks, Rob. - Ed.



**Editorial Opinion – TAG Grants**

The following feature explains one of the activities that the AMA sponsors. This is called “Take Off and Grow” (TAG), and the AMA offers up to \$1000 as a grant to promote model aircraft flying to the community. Back in 2003-2005, your editor applied for and received a \$500 grant for our “Adopt-A-School” program, then met youngsters at a number of local schools, and conducted flying lessons at our field. A total of 74 students participated. Your editor feels this is a worthwhile new program that would supplement our present training efforts. Rather than plan a one day event, we should take the funds and procure one or more training planes and one or more training radios with buddy boxes and use these on all of our flight training classes.

**Take-Off & Grow (TAG) Grants**

Do you want to introduce model aviation to your friends and neighbors and receive local recognition and financial benefits in return? If you answered “yes,” then you’ll want to know more about AMA’s Take-off And Grow (TAG) program.

Developed to encourage our members and clubs to promote modeling as a positive recreational activity to those in their communities, TAG was the first of several programs implemented by AMA in 2007. Intended primarily to indoctrinate and welcome the general public to our hobby, TAG basically provides a one-day extensive introduction of model aviation with the intent of drawing new people into our hobby.

*Here’s how TAG works:* Clubs receiving a grant to host a TAG Model Aviation Day will be provided with a packet to assist them in hosting a successful event. The packet will include a document with ideas on promoting and advertising your event as well as an outline of possible activities to take place during the actual day of the event.

If your club is selected to receive a TAG Model Aviation Day grant, the AMA will provide up to \$1000 to use to set up your program. At the end of the event, items purchased are your club’s to keep as AMA’s way of saying “thanks for helping out.”

Remember, too, that the rewards are more than just the things listed above. Hosting a TAG Model Aviation Day is a great way to reach out to your community to give it a taste of a family-oriented recreational activity that all of us enjoy so much. In addition, you’ll be creating positive relationships with your neighbors that quite often can help when the time comes to keep or acquire new flying sites.

As with all of our developing programs, the AMA wants to provide the tools local clubs need to ensure the popularity of their hobby. It will require the cooperation of many to make it a success. Achieving that success will make our already wonderful hobby even better.

Interested? AMA has a limited number of openings. If your club would like to partner with AMA to promote model aviation and open the door to growing your membership, visit us at: <http://amaflightsschool.org/programs/TAG> for an application. All applications must be received by February 1<sup>st</sup>. Model aviation is a great hobby. Let’s tell others about it! The TAG Program is available to Free Flight and Control Line clubs as well.



**Editorial Opinion – TAG Grants (Continued)**

The following two pages show the instructions and application form for a TAG Grant. Copies are available from the AMA at: <http://amaflightschool.org/sites/default/files/TAG-PROGRAM-APPLICATION-2015-1t1.pdf>. or from your newsletter editor.



### **TAKE OFF AND GROW PROGRAM GRANT PROPOSAL/APPLICATION**

The AMA sponsors the Take off And Grow (TAG) grant program, administered by the Education Department and awarded by the district vice presidents.

AMA chartered clubs and chapters are eligible to apply under the following guidelines. Awards are made to an AMA club or chapter, which will also assume responsibility for the filing of all program reports with the AMA Education Department as outlined below. Each organization awarded a grant must agree to the following:

- 1) To provide a detailed write-up of the event's success, including a photographic record of the project's highlights.
- 2) To provide a general accounting of the expenditure of project funds and a statement concerning the planned expenditure of any unexpended project funds.
- 3) To retain any equipment purchased with AMA funds as property of the sponsoring organization or a local AMA club.
- 4) To allow the AMA to distribute and/or promote the project information through its membership services.
- 5) Grants are limited to a maximum award of \$1000. This grant is awarded in April after selection by the district vice president.
- 6) Proposals must be postmarked by February 1 of each year. Proposals may **not** be submitted electronically.





**Editorial Opinion – TAG Grants (Continued)****TAKE-OFF AND GROW (TAG) APPLICATION**

Club Name \_\_\_\_\_ Club Number \_\_\_\_\_

Club President \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ ZIP \_\_\_\_\_

Phone \_\_\_\_\_ Email \_\_\_\_\_

Club Website \_\_\_\_\_

What modeling activities are permitted at your club field (check all that apply):

☐ Park Flyer ☐ Helicopter ☐ 3-D ☐ Sport RC ☐ CL ☐ FF  
☐ Giant Scale ☐ Turbine ☐ Soaring ☐ Electric

\_\_\_\_\_  
President's Signature\_\_\_\_\_  
Date\_\_\_\_\_  
Officer's Signature (please indicate office currently held)\_\_\_\_\_  
Date**Written Summary**

Include a summary as part of each proposal. The summary will assist in the proposal's evaluation, as well as assisting clubs in preparing final project reports.

The summary should include information such as:

- Club size
  - Scope of TAG program
  - Goals/objectives
- The summary will also include the methods and activities to be employed in meeting the program's objectives.
- The summary should include an overview of the cost sharing and the amount requested.
- The summary should include plans for continuing contact with the participants.

Please send your proposal to:

Jessica Symmes  
5161 E. Memorial Dr.  
Muncie IN 47302



**HSS Annual RES/Woody Contest**

Harbor Soaring Society is sponsoring our Annual RES/Woody glider contest on Sunday August 13, 2017. This event is open to all HSS members, and guests. So, where is the discus launched glider class?



## Harbor Soaring Society Annual RES / Woody Contest

**Date:** Sunday, August 13, 2017  
**Field:** Dirt and More Dirt

**Location:** Fairview Park 2525 Placentia Ave. Costa Mesa, CA 92628  
 (Enter off of Canyon Dr. – see map)

**Contest Director:** Erv Szego  
 (714) 235-9052  
[ervszego@msn.com](mailto:ervszego@msn.com)

**Sign up:** 8:30AM  
**Pilots Meeting:** 8:55 AM  
**Contest Starts:** 9:00 AM

**Fee:** \$5.00 Each Class – RES (Rudder/Elevator/Spoiler), RES – WOODY

***No Flying over launch area or ANY area to the East of the launch area below launch height***

### TASKS:

4 Rounds of Precision Duration – flights each worth 950 points – landing 50 points – 1000 total per round.

*Rounds 1 & 2: 8 mins., Rounds 3 & 4: 10 mins. – For a total of 36 minutes* – Open flight order.

One Winch with retriever, approximately 450' to turnaround, landing zone behind winches on model runway.

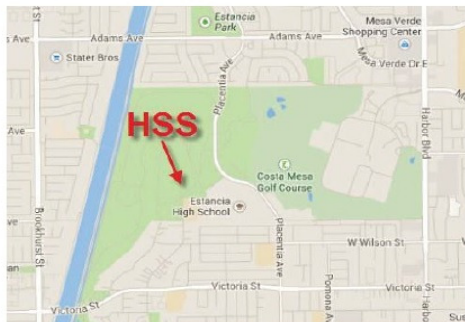
Electric launch is allowed parallel to winch corridor. E-launch height is limited to 150 meters by limiting device.

**Medals:** RES, WOODY – 1st thru 3rd place

**RULES:** AMA membership required

All 2017 SC2 Rules apply

Restroom available on site



GPS 33°39'37.11"N, 117°56'25.55"W

The field will be open at 7:30 AM and the winch will be set up by approximately 8:00 AM for practice or fun flying. The winch will be shut down at 8:55 AM for the pilots meeting.

See HSS website for more field info:

<http://www.harborsoaringsociety.org/#!/flying-sites/c8a3>



### WOODY Class:

All flying surfaces to be built-up from wood

No restriction on spar construction or materials

No molded D-tube type leading edge construction

No carbon-capped ribs

Fuselage can be wood, molded fiberglass or carbon boom

No restrictions on wingspan



**P-47 First Flight June 22, 2017 since May 8, 1945**

Rob Askegaard has provided the following article.  
Some or all photo credits to Jim Racder (SP?).

During World War II, this P-47 crash landed in a lake in Austria on May 8, 1945. At right, it is being lifted out in 2005 after 60 years under water.



Shown at left is the facility in Caldwell Idaho, where Mike Brashears took the aircraft. It took six years to restore.

To confirm airworthiness after the restoration, the FAA required the P-47 to fly around the field at Caldwell for 25 hours. Subsequently, the plane will be flown to Chino CA, where it will be kept in Mike Brashears hangar. Bottom right shows the team. From left to right, Bob Nightingale, who removed it from the lake in Austria in 2005, me (Jack), Mike Brashears who restored the aircraft, and John Maloney who flew the test flight and is building up the hours on it.





## Solar Powered Aircraft Developments

Jim Sonnenmeier has provided these interesting press releases. Thanks, Jim.

Facebook reached another milestone in its Aquila program on May 22 with the completion of a successful second full-scale test flight of the aircraft, which flew for 1 hour and 46 minutes, and landed without incident on the prepared landing site at the Yuma Proving Ground in Arizona.

More information available at:

<http://www.aerospacetestinginternational.com/news.php?NewsID=86276>



Facebook is developing Aquila, a solar powered long endurance loitering aircraft intended to extend communication.

In late June 2017, first tests of China's Solar powered plane called Caihong, were completed. It is planned to stay airborne at "near space" levels for months if not years. During a top secret test flight in northwest China last week it reached an altitude of 65,000 ft. That is 31,800 feet lower, and 16 years later than Paul MacCready's Helios flying wing. More information at <https://www.youtube.com/watch?v=HUKKW9ehQk8>



## Interesting Links

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

NASA Langley Celebrating 100 Years: A Storied Legacy, A Soaring Future.

<https://www.youtube.com/watch?v=ks1SRA6Sljw&feature=share>

Hingeless flying surfaces. <http://www.jaromuller.com/models/elasto-31-38-m/>

A beautiful place to slope soar in Europe.

[https://www.facebook.com/Paritech/videos/1093809770733037/?hc\\_ref=ARSRmxmsnQGzl06q3IN04L0WlQfISMQXT4k08mITVdxreW3jLejkixpSUNF5DGuVcw&pnref=story](https://www.facebook.com/Paritech/videos/1093809770733037/?hc_ref=ARSRmxmsnQGzl06q3IN04L0WlQfISMQXT4k08mITVdxreW3jLejkixpSUNF5DGuVcw&pnref=story)





**More Interesting Links**

Rob Askegaard sent in an interesting link showing blowing stuff up at the Navy China Lake ordinance testing facility. <https://www.youtube.com/embed/dN1SeHA15E>

Another good recommendation from Jim Sonnenmeier is Google Street View exploration of the International Space Station: <https://techcrunch.com/2017/07/20/google-street-view-now-lets-you-explore-the-international-space-station/>

Also from Jim Sonnenmeier is a discussion as to the right of USAF to shoot down drones,

[http://aviationweek.com/defense/usaf-wants-authority-down-drones-after-f-22-near-miss?NL=AW-05&Issue=AW-05\\_20170713\\_AW-05\\_306&sfvc4enews=42&cl=article\\_1&utm\\_rid=CPEN1000001531351&utm\\_campaign=10891&utm\\_medium=email&elq2=9d9712ae4c0e436a9211647045181a25](http://aviationweek.com/defense/usaf-wants-authority-down-drones-after-f-22-near-miss?NL=AW-05&Issue=AW-05_20170713_AW-05_306&sfvc4enews=42&cl=article_1&utm_rid=CPEN1000001531351&utm_campaign=10891&utm_medium=email&elq2=9d9712ae4c0e436a9211647045181a25)

<https://www.suasnews.com/2017/07/dji-condemns-unsafe-mavic-flying-near-tel-aviv-airport/>

Also, a drone buying guide.

<https://img.newatlas.com/dji-roundup-13.jpg?auto=format%2Ccompress&dpr=2&fit=clip&h=670&q=40&w=1000&s=64e910051d4857615fc5466ad38f0d82>

**Finally, the FAA Registration Refund**

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

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

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

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

[https://www.faa.gov/uas/getting\\_started/registration\\_deletion/media/FAA\\_Registration\\_Deletion\\_and\\_Refund\\_Form\\_Instructions\\_FINALv2.pdf](https://www.faa.gov/uas/getting_started/registration_deletion/media/FAA_Registration_Deletion_and_Refund_Form_Instructions_FINALv2.pdf)

**Gary Gullikson's Left Knee Replacement Surgery**

Long time HSS member Gary Gullikson recently had knee surgery that is going well. Here is Gary's report.

Went to Anaheim Regional on May 13<sup>th</sup> for left knee replacement surgery. After-words, I transferred to Coventry Court Health Center for physical and occupational therapy, and came home yesterday 6/29. There was considerable pain early on, to get the knee bending and to straighten it out, but pain diminished quickly and mobility came back to where I can get around easily with a walker now. I will be doing a lot of walking and other exercises to get left knee strong and working normally. A nurse and therapy person will visit my home 3 times per week for a few weeks. I will go in for surgery and rehab on the right knee sometime in late November and eventually will be able to walk normally and resume normal activities. I hope to be able to do some flying in the next few weeks when I can drive, and I'll probably use my trusty old electric scooter until my right leg is fully functional. I'll be starting a build of Pat Tritle's new DC-3 design kitted and available from Brodak.

This is all good news, Gary. We hope the remaining surgery goes well, and look forward to seeing you out on the flying field soon. Ed.



## **Jetex Revival**

Years ago, we all must have messed around with the Jetex motors. Here are some links to those who are attempting to revive the Jetex and Rapier rocket motors. Thanks to Jim Sonnenmeier for the information.

Roger Simmons (who knows everything about the old Jetex and Rapier motors) comments on the Makerlabs X-1 motors. These are NOT Dr Zigmund's Rapiers, but newly-developed 'low thrust long burn motors of a similar size and performance to L-2s. (Rapier)

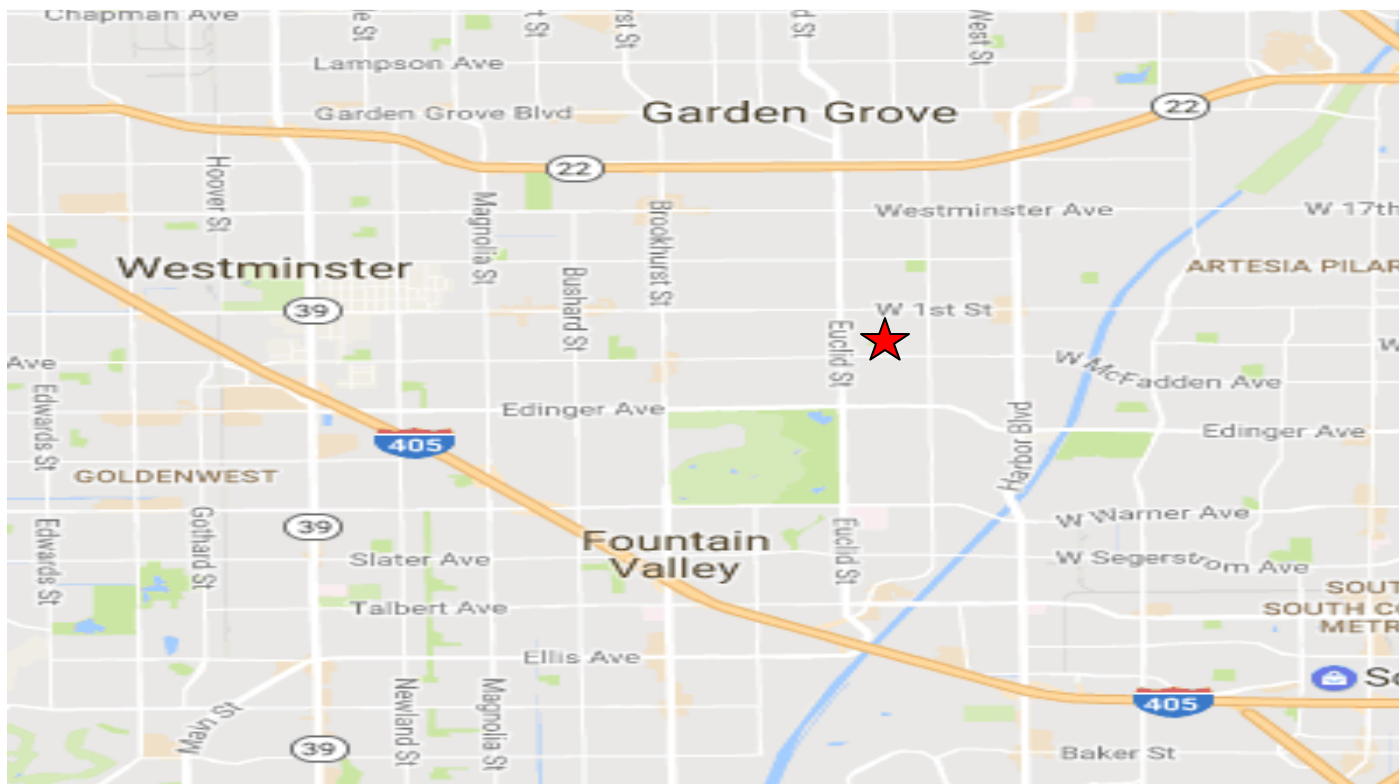
See his blog on [jetex.org](http://www.jetex.org):

<http://www.jetex.org/jetex-blog/entry/rapier-l-2-type-motors-in-the-usa.html>

Roger and Howard Metcalfe have been advising, and working with, Chris Sorensen of Maker Research Labs for 18 months or so, and have tested two batches of his 'X-1' motors. They look promising and similar to a Rapier L-2, but needed some refining. Chris is working towards having these X-1 types licensed in the US and is aiming at the youth market (for STEM education for example), though Roger and Howard feel Chris would be better to look to us old guys.

## **August 1, 2017 Meeting Announcement**

Our monthly general meeting is held on the first Tuesday of each month. We meet at Round Table Pizza, 11095 Warner Ave. & Euclid (North-east corner) in Fountain Valley, at 7:00 PM. Phone number is (714) 839-0276. The Family Night rate is all-you can-eat pizza, plus one salad bar, for \$8.99. Fountain drinks are an additional \$1.59, self-service, or \$2.99 per liter. Beer and wine are available. Time will be allowed for show-and-tell of your favorite plane. Bring your wife, family, and friends. There will be a raffle. The location map is shown below.



**Seen Around the Field**

Photos and captions thanks to Rob Askegaard (who will try to provide last names if possible).



Above is newcomer Tom with his Apprentice S.



Emily gets a lesson from Don on their E-Flite Apprentice S. Emily is an experienced "real" airplane owner and pilot.



Gary Mayfield holds his Horizon Hobbies "Valiant". This late model 48" foam Spitfire also belongs to Gary.



Dave with his Me-262 twin 70 mm EDF, runs on 4 cell 5 AHr batteries. 60 " span from Dynam. Flies very well.





**Seen Around the Field (Continued)**

Jim Hanson's high tech drone. It does everything.



Dave and his Yak-131 electric ducted fan.



Bruce Schaefer snags the training glider.



Someone's Apprentice S coming in for a landing.



This is Jerry Smith's beautiful F-16 EDF. It has 45" span and is 58" long. It has scale landing gear which gives trouble on rough runways. Jerry says we need to get together and shape up our runway.





**HSS Membership – Renew now if you haven't.**

Our 2017 HSS membership enrollment season is in full swing. Note that the new membership rate of \$25 per year is now in effect. PayPal will no longer be accepted as the cost and inconvenience did not justify the service. The latest membership application, dated 16 Jan 2017, is included in the last pages of this newsletter. These can be mailed to our post office box shown on the last page, or given to a club officer. Alternately, HSS and AMA membership applications can be obtained from any club officer, or available on our club web site at [www.harborsoaringsociety.org](http://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](http://www.modelaircraft.org), download document No. 902 from the publications page. Or you can apply on line. If you renew your AMA membership online, be sure to print the receipt that they provide as proof that you joined. And, don't forget your City of Costa Mesa Flying Permit. Details are shown on page 18 of this newsletter.

**AMA District X Web Site**

AMA District X Vice President Lawrence Tougas wants to invite AMA members from all districts to enjoy District X's new website. "We have a lot of great articles in our blog, plenty of pictures in our photo albums, and a spot where you can learn more about our associate vice presidents and myself," says Lawrence, District X VP. All of the information is at [www.ama10.org](http://www.ama10.org). Why not consider helping your district with its website.

**Fairview Park Weather Station**

Jim Sonnenmeier suggests that HSS utilize the very excellent weather station located at Waldorf School. Try this web site as it has an amazing amount of detail, both historical and predictive. There is even data that suggests good flying days and hours for slope soaring. This link will also be featured on our web site.

<https://www.wunderground.com/cgi-bin/findweather/getForecast?query=pws:KCACOSTA18>

**SC2 Competition Schedule for 2017**

Jim Sonnenmeier has provided the following tentative schedule for 2017. Several new clubs may be added. All dates will be Sundays unless otherwise specified.

February 26 – Hemet Model Masters - *Location:* Intersection of Warren and Simpson Road, Hemet.

March 19 – Silent Wings Soaring Association (SWSA) – [www.silent-wings.org](http://www.silent-wings.org)

April 30 – Riverside RC Club – Perris - [www.riversidercclub.org](http://www.riversidercclub.org)

May 21 – Victor Valley RC Flyers (VVRFCF) – [www.vvrcf.org](http://www.vvrcf.org)

June 25 – Harbor Soaring Society (HSS) – [www.harborsoaringsociety.org](http://www.harborsoaringsociety.org)

July 16 – Inland Soaring Society (ISS) – [www.glideiss.us](http://www.glideiss.us)

August?

September?

October ?– Torrey Pines Gulls (TPG) – [www.torreypinesgulls.org](http://www.torreypinesgulls.org)

November ?– Rain Date

To be added:

Thousand Oaks Soaring Society (TOSS) – [www.toss.freesevers.com](http://www.toss.freesevers.com)

Big Bear? Palomar? Bakersfield?

Gone for good?

Soaring Union of Los Angeles (SULA) – [sula.club.org](http://sula.club.org)

Downey Soar Heads (DSH)



**4<sup>th</sup> SC-2 Competition Results**

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

Disregarding the above comments, Jim Sonnenmeier has provided the results of the 4th SC2 competition hosted by Victor Valley RC Club. This was held on May 21, 2017. Note: No HSS participants.

**Speaker for the HSS August 1, 2017 Meeting**

Joni Whitsitt and Jesse Calleros have arranged for Clint Brooks to be the guest speaker at our August 1 General Meeting.

Clint designs rubber powered planes and Joni has encouraged him to bring some of his designs to our August Meeting. Following is Clint's comments on the presentation.

I have my own laptop. If there is a projector and USB cable to connect to my laptop that would probably be enough. If not, I could mail the PowerPoint file to whoever would be hosting a computer for your meeting.

I have no real agenda to share. I've been a modeler all my life and come from the traditional modeling background where you built your own models or you didn't participate. Most likely I would just detail how my interests came to be and the efforts over the years to design model airplanes of all types, plus the recent years where I've been marketing free flight models under CB Model Designs. I won't be there to market per se, but I will promote my activities if that's okay with you.

I'm looking forward to meeting with your group. I've been in several R/C clubs in the past (R/C Bees of Santa Cruz County & Redding Radio Control Club). I flew for a long time at Whittier Narrows and not as much at Mile Square. My main focus in R/C was Pattern, Sailplanes and scale. My current club is the SCAMPS FF group and I'm the newsletter editor for many years for them.

It's all fun!

Clint

**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.



**2017 City Flying Permits Available**

A permit to fly radio-controlled model aircraft is required to operate model aircraft at Fairview Park. This permit can be obtained by going to [www.costmesaca.gov](http://www.costmesaca.gov) and downloading the file Model Airplane Fly Permit 2014.pdf. You must also show proof of adequate liability insurance in the form of a current Academy of Model Aeronautics (AMA) membership card or a current homeowners/personal liability policy specifically covering model aircraft operation with a minimum limit of \$500,000. Rules and regulations for flying the model aircraft can be found in the City of Costa Mesa Municipal Code, Title 12, Chapter II, Articles 2 & 3.

**Permit Fee:** \$25 per year. Learner's Permit for youths 6-14 years old - \$15 per year.

**WALK-IN** Costa Mesa City Hall (77 Fair Drive, Costa Mesa 92626), 3<sup>rd</sup> Floor Recreation Counter Tuesday through Thursday from 8:00 AM – 4:30 PM (excluding City-observed holidays),

**MAIL-IN** Mail your renewal packet (see list below), to include full payment, to:

Recreation Division – Fly Permit

City of Costa Mesa, P. O. Box 1200, Costa Mesa, CA 92628

Renewal Packet must include **ALL** of the following:

- Permit Application (filled out and signed).
- Copy of your drivers license.
- Copy of the AMA Membership Card (showing the required year) or homeowner's/personal liability insurance policy (specifically covering model airplane/aircraft flying with a minimum limit of \$500,000).
- Renewal Fee (\$25); payment by Check (payable to City of Costa Mesa) or charge to Credit Card (filled out and signed).

Note: Current permit holders with email addresses on file with the City will receive renewal packet via email.

If you have questions or need additional information, please call the Recreation Division at (714) 754-5300.

Note that to fly at Fairview Park you need the above permit, liability insurance (preferably AMA), and you need to follow City of Costa Mesa Ordinance No. 07-01, City Regulations for Issuance, Suspension and Revocation of Permits to Fly at Fairview Park, Academy of Model Aeronautics Safety Code, and the Fairview Park Flying rules posted at the flying site.

**Invitation To Members For Contributions To The Plane Rap Newsletter**

Your editor would love to hear from club members. If there is anything you would like to share with the rest of us I want you to send it to me. I will add it to the next newsletter. My favorite things to publish are items sent in by members!! These can be anything like reviews of your plane or equipment, links to good videos, links to articles and things you have built or created. Bad spelling and/or grammar gladly accepted. Anything from a picture with a caption to a full blown build/review article is good. Letters-to-the-Editor are always welcome as well. Tell us what you think. Please help make the newsletter and website more interesting with your submissions. Embarrassing pics/vids are the best. I look forward to hearing from you.

Fred Hesse - Plane Rap Editor - [fhesse@socal.rr.com](mailto:fhesse@socal.rr.com).

**Photos of Your Planes**

We are very fortunate to have Rob Askegaard as our club photographer. Rob has a high degree of talent, and supplements that with an excellent camera. His well composed and very realistic photos taken at ground level and his remarkable stop action in-flight pictures are superb. Rob's contributions are what make our newsletter really spectacular. We try to feature everyone and their planes, so if you haven't seen yourself in our newsletter, look for Rob just about any morning and pose for him.

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



**Plane Rap Classified Ads and Services - For Sale**

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

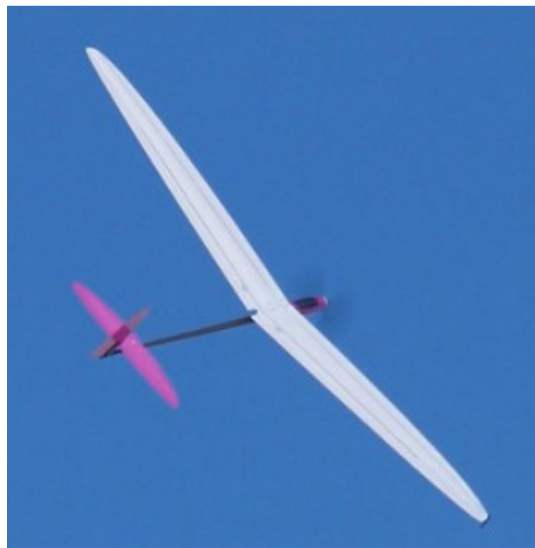
- This month, Bob McKenzie has an "Apprentice" aircraft for sale. It is a foam trainer with tricycle gear. Bob is asking \$100, and may be reached at 949-644-0676.
- John Ostrowski has a Radian Electric glider with a DX6i transmitter for sale.
- John also has an electric powered Blaster 2e for sale.

This is a cousin of the Snipe. Contact John at [driwo@yahoo.com](mailto:driwo@yahoo.com) if you are interested.



Above is Radian, and Blaster is at right.

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

**Field Closure****Fairview Model Airport Closure****Sunday, August 6, 2017****7:00 A.M. to 12:00 P.M.**

Costa Mesa Parks and Recreation and Estancia High School Cross Country Teams are holding their 20<sup>th</sup> Annual OCTC Pancake Breakfast 5K Run on Sunday, August 6, 2017 from 7:00 am to 12:00 pm. Please abide by this City notice.

During this time, Fairview Model Airport will be closed to all model flyers at the request of Justin Martin, Parks & Recreation Manager and Robert Staples, City of Costa Mesa.

Joni Whitsitt, President  
Harbor Soaring Society





**HSS Sponsors**

The following companies are proud sponsors of Harbor Soaring Society. They give us special offers, and make contributions to our monthly raffles. In return, please support them, and mention that you saw them advertised in the HSS Plane Rap newsletter.



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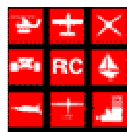
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All HSS Club members with proof of club membership, will get a 10% discount on most parts and accessories. Discount does not apply to plane kits, helicopter kits, radios, and other already marked down products. Please ask staff if you have any further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

[Robsrchobbies.com](http://Robsrchobbies.com)



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## MEMBERSHIP APPLICATION 2017

## Harbor Soaring Society

AMA Chartered Club #128 - AMA's Oldest Chartered Soaring Club

P.O. Box 1673 Costa Mesa, CA 92628



I understand that by applying for membership in the Harbor Soaring Society I must be a current member of the AMA (Proof of status required, may be photocopy of membership card or AMA receipt of fees paid)

Name \_\_\_\_\_ AMA # \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Home Phone \_\_\_\_\_ Work Phone \_\_\_\_\_

Date of Birth \_\_\_\_\_ Email \_\_\_\_\_

- ☐ New Applicants (Without Name Tag) (all ages): \$25.00
- ☐ Adult Member (Renewal Without Name Tag) (19 years and older as of July 1st): \$25.00
- ☐ Junior Member (Without Name Tag) (19 years and under as of July 1st): \$10.00
- ☐ Family Member (Without Name Tag) (At Same Address): \$5.00
- ☐ Optional or Extra HSS Name Tag: \$15.00
- ☐ I hereby give my permission to publish my [Name], [Address], [Phone], [Email Address] in the monthly Newsletter. **Strike out those not to be published.** Note that the Newsletter is published on the club Website (<http://www.harborsoaringsociety.org>)
- ☐ I request a printed copy of the monthly Newsletter by U.S. Mail. Printing and Mailing: \$20.00/year

My primary interests in radio control flying are? Check all that apply. Show future interests with the letter F.

Thermal Duration Gliders _____	Slope Soaring Gliders _____	RES Gliders _____
Large Scale Gliders _____	Hand Launched Gliders _____	Electric Motor Gliders _____
Park Flyer Electric _____	Acrobatic Electric Planes _____	Scale Electric Planes _____
Electric Drones / Multi-rotor _____	Indoor Electric Planes _____	Electric Helicopters _____

In accordance with the Federal Equal Opportunity Act, this organization prohibits discrimination against anyone on the basis of race, color, religion, national origin, sex, marital status, age, individuals with disabilities or veterans. New applicants making application between November 1st and December 31st will pay the annual rate indicated above and such dues will make the new member paid in full for the following year. Applications for adult members submitted between July 1st and October 31st will pay a reduced rate of \$15.00 (name tags extra). A signature is required from all Harbor Soaring Society applicants, agreeing to comply with the current AMA Safety Code, the current HSS and Costa Mesa City General Field Rules, and FAA rules and regulations applicable to the flying of RC model Aircraft.

**The undersigned attests that: I will operate my model using only radio frequencies for the control of fixed wing or multi-rotor aircraft, and/or data transmission, on equipment certified and approved for such use by the AMA, FAA or FCC as applicable. I understand that my failure to comply with the above restrictions will result in nullification of liability coverage for damages caused or claimed. I understand that my monthly newsletter will be delivered by E-mail unless the U.S. Mail request (shown above) has been selected.**

SIGNATURE: \_\_\_\_\_ DATE: \_\_\_\_\_

Total Dues Owed and Attached: \$ \_\_\_\_\_

SIGNATURE OF CLUB OFFICER RECEIVING APPLICATION: \_\_\_\_\_

Revised: January 16, 2017 (FMH)

August 2017



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**HARBOR SOARING SOCIETY OFFICERS FOR 2017**

President	Joni Whitsitt	714-396-2523	<a href="mailto:whitsittjo@gmail.com">whitsittjo@gmail.com</a>
Vice President	Henry Smith III	714-322-6537	<a href="mailto:henry.smith.3@earthlink.net">henry.smith.3@earthlink.net</a>
Treasurer	Mike Gaczowski	949-632-1747	<a href="mailto:mgaczowski@cox.net">mgaczowski@cox.net</a>
Secretary	Bruce Gale	949-394-3924	<a href="mailto:galebl@cox.net">galebl@cox.net</a>
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Alternate Safety Officer	Vincent San Filippo Jr.	714-791-5588	<a href="mailto:vincsfjr@gmail.com">vincsfjr@gmail.com</a>
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Lead Flight Instructor	Ted Broberg	714-235-6430	<a href="mailto:tcbroberg@gmail.com">tcbroberg@gmail.com</a>

See our web site at [www.harborsoaringsociety.org](http://www.harborsoaringsociety.org), our YouTube site at <http://www.youtube.com/user/hssletsfly>, and Facebook at [www.facebook.com/harborsoaringsociety](http://www.facebook.com/harborsoaringsociety)

**NEXT CLUB MEETING WILL BE:**

**TUESDAY AUGUST 1, 2017 AT ROUND TABLE PIZZA, 11095 WARNER AVE.  
FOUNTAIN VALLEY, GENERAL MEETING 7-9 PM. LECTURE BY CLINT BROOKS (SEE P.18).  
BRING YOUR FAMILY, WIFE, AND FRIENDS FOR DINNER. WE WILL HAVE SHOW AND TEL, AND  
A SPECTACULAR RAFFLE. SEE DETAILS AND INSTRUCTIONS TO LOCATION ON PAGE 14.  
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

