



HSS is the oldest AMA chartered R/C Soaring Club in the USA. Founded in 1964.
 June 2020 HSS IS NOW OVER 56 YEARS OLD! Volume 57

HSS PLANE RAP NEWSLETTER

**Field closed by Orange County until further notice.
 Members are requested not to go to the field.
 All meetings cancelled.
 Scale Squadron Fly In Cancelled.**

Plane Rap Index

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Coming Events and Soaring Competitions.

June 2020 – July 2020

- All meetings are cancelled until further notice.
- The field is closed until further notice.
- All events for the next 60 days are cancelled.
- Events planned for after June 1, 2020, are postponed.



Field Status Update

To: HSS membership,

This note is intended to give members an update on progress with opening the field and renewing our agreement. Last week your club President and Vice President, (Henry Smith and Joni Whitsitt), had a phone conference with Cynthia D'Agosta (Fairview Park Administrator) and Andy Campbell (Chair of FVP Steering Committee). In summary, HSS and the Steering Committee will pick up where we left off with the agreement process. We hope to submit a draft new agreement to the committee by the end of this week.

HSS has also made a formal request to the city council asking for the current agreement be extended to the end of the year. Right now we can't predict how this will turn out. Suffice to say, the city council has a lot on their plate and this may not make it onto the agenda. We have however asked, which is important for protecting our presence in the park.

The situation is such, that no one is confident in predicting exactly when the field will be re-opened. The signs at park entrance say "Closed for Biological Surveys". The biologists are presumably counting birds and other wildlife. This seems like it will take some time to finish. In the meantime we wait.

As you can imagine, the runway/winch-line are in bad shape, and require a mowing and clean-up. To that end, this week, HSS will submit a proposal to perform the required maintenance.

We wish there was better news about Fairview. The field's at Blackstar, Trabuco and Prado are open but there are restrictions so check the appropriate website before going out. Rob's Hobbies has re-opened.

All comments/suggestions welcomed directly, or via the club's Facebook page (link below).

Henry A. Smith III
President, Harbor Soaring Society

Use Agreement

Hello all,
Lots happening today.

Cynthia has written to HSS saying she is working toward getting an extension of the agreement onto the consent calendar for June city council meeting. To this end Joni and I will have a phone conference with Cynthia and others on Wednesday, 3 June. We will report again after the conference.

Cynthia also wrote and informed us after the fact that the park benches have been removed from the field until the re-opening. This has been done to prevent people from using the benches for flying and other activities. The city has often noticed flyers in the park during the stay at home order. At Cynthia's request, I have put a sign in the kiosk saying the field is closed until further notice.

Joni and I are also in touch with the FVP Steering Committee about future revisions to the rules and agreement.

Stay Tuned.
Henry A. Smith III
Harbor Soaring Society



An Interesting Research Project

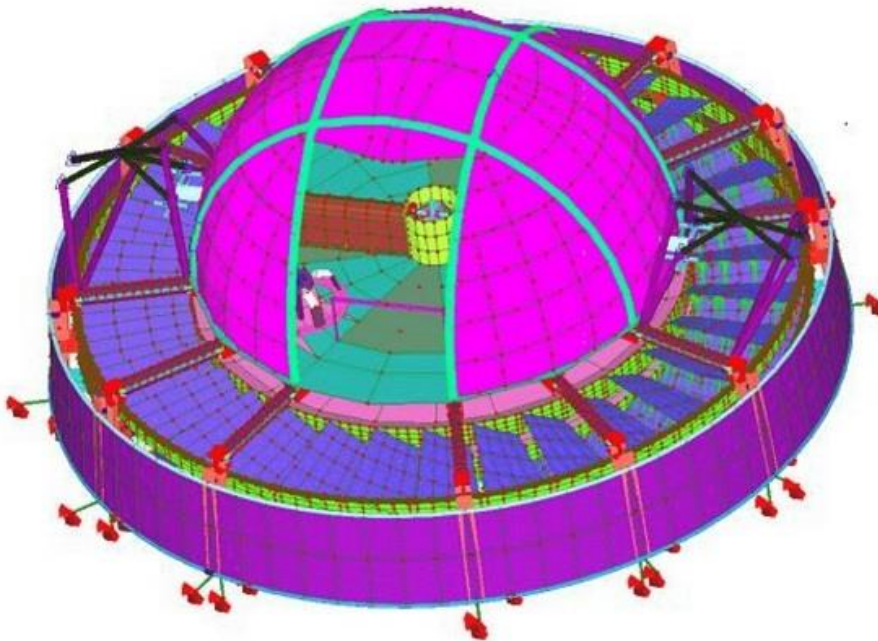
We recently received an E-mail from Edward Grau concerning a research project he has been working on for the past two years. It is basically a VTOL that he refers to as a flying car. Edward wishes to make a PowerPoint presentation at an HSS club meeting which should be quite spectacular considering the amount of research and analysis that he has done. Presently he has constructed a 1/3 scale model that is electric powered. The full size version is intended to carry two persons and is powered by two Volkswagen engines.

The following are selected pages from his 94 page PowerPoint presentation. This begins with an isometric drawing, an overview discussion, a three view illustration of the engine powered version, a drawing of the 1/3 scale electric powered model, a photo of the electric model on his test bed, and a brief flyer on the modified Volkswagen engine planned for the prototype. For questions and further information, Edward can be reached at Edward Grau <edwardlgrau@yahoo.com>

Concept Drawing.

The isometric presentation shown below illustrates the structure with the upper fan. The two Volkswagen engines are deleted for simplicity.

Flying-S: VTOL Prototype Proof of Concept "Flying Car"



Copyright 2018, 2019, 2020 by
Real World Simulations, All Rights Reserved
Edward Grau
04/10/2020



An Interesting Research Project (Continued)

Overview

- Flying-S is a VTOL ~2400 lb. vehicle consisting of two co-axial 9.5 foot diameter contra-rotating fans each with 32 NACA012 airfoil blades at the outer 18" of their radii. This prototype design of the vehicle is to be powered by two rear to rear facing fore and aft high performance air-cooled VW engines from CB Performance engine shop and depending on the weight configuration of the test vehicle will be selected with power ratings of 175 to 252 HP each.
- Thusly, all applied vehicle Engine Roll reaction torques and Fan Yaw reaction torques can be made to cancel out via a built in and designed to (via calculations developed in Reference 2) slight difference in the upper fan (UF) and lower fan (LF) relative RPM's. Small imbalances in the overall vehicle Fan Yaw reaction torques will be cancelled out via control stick "feathering" of the Yaw control vanes described below.
- Vehicle control is accomplished via "Joy Stick" (JS) mechanically activated sliding "choke" panels inserted into the 18" wide x ~24" long annular ring air intake areas at the four "corners" of the vehicle's UF to spoil the thrust in these areas as needed to control the pitch and roll of the vehicle. Yaw control will be accomplished via mechanically rotating the JS to activate moveable control vanes at port and starboard locations at the LF air exit plane (and tilted in opposite angles on the port and starboard locations).

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Overview (cont.'d)

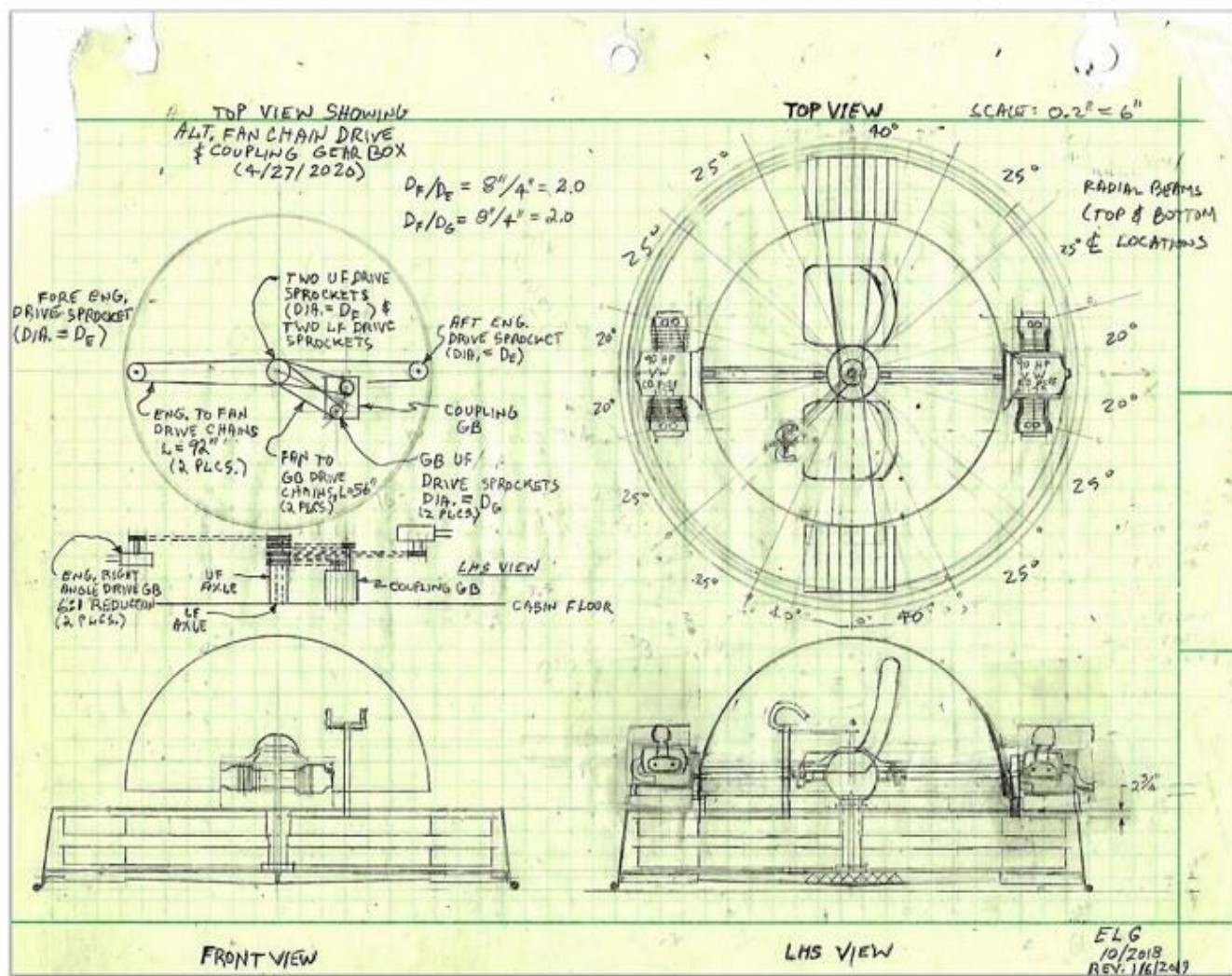
- The prototype vehicle will have a roll cage but no clear canopy and no access doors (two of numerous enhancements that a production version of this vehicle would have). It will be equipped with a safety parachute attached to the upper roll cage. It is designed to carry a pilot and passenger, 12 gallons of fuel with a total payload weight of about 520 pounds. A top speed of under 100 MPH is expected with a range of over 100 miles (which could be extended via larger fuel tanks).
- Power transmission to the fans will be via chain drive with a simple gear box used to couple the counter rotation of each fan to each other and thus achieve one engine out fail safe capability. Dual closely spaced clutch pedals are used to either activate both clutches at once with one foot (for engine startups), or to dis-engage the one failed engine via depressing just its clutch in order to eliminate this failed engine's resistance in the power train and thus allow the remaining good engine to safely land the craft in the event of this emergency situation.
- An electronic "off the shelf" drone control system (CS) will be adapted to use linear actuators (as opposed to their normal use with Electronic Speed Controllers (ESC's) for the rapid change of electric drone motor's RPM) to overlay this VTOL vehicle's mechanical CS's sliding panel motions in order to maintain the vehicle's pitch and roll attitude stability. Early flight testing of this "proof of concept" prototype vehicle will determine this need or not and in either case the linear actuators will be designed and built into the vehicle's mechanical CS linkages. If needed, signals from the electronic CS guided by inputs from its accelerometers, will rapidly move as needed, selected "choke" panels into and out of the UF air intake areas at their four locations to spoil the thrust force at these locations in order to maintain the mechanical CS's specified pitch and roll angular rates, attitudes, and the vehicle's overall pitch and roll stability.

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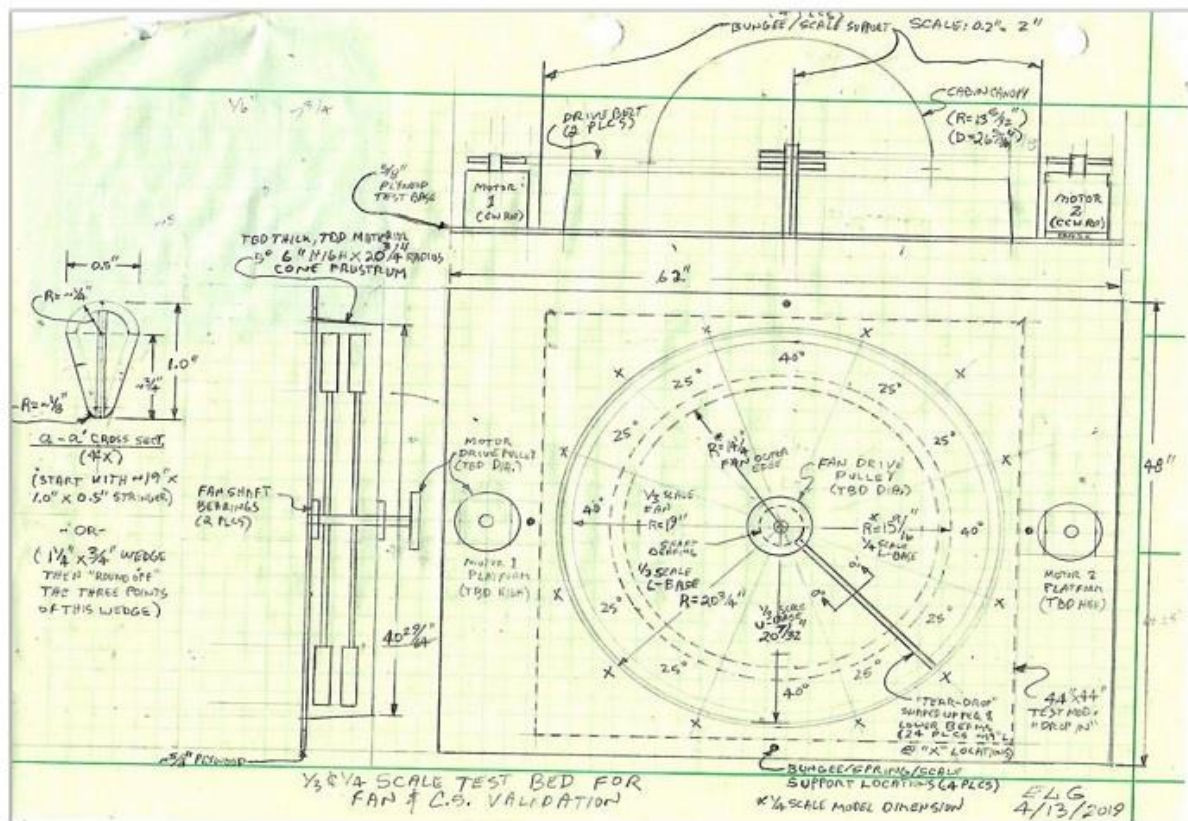
An Interesting Research Project (Continued)

Flying-S Three Views with Motors & Alternate Fan Chain Drive & Coupling GB



An Interesting Research Project (Continued)

1/3 Scale Model Test Bed Layout for Aero Testing of the Contra-Rotating Fans



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An Interesting Research Project (Continued)

1/3 Scale Model Test Article (Vertical Access Configuration with UF and LF Test Data Instrument Panels & RPM Speedo's Shown)

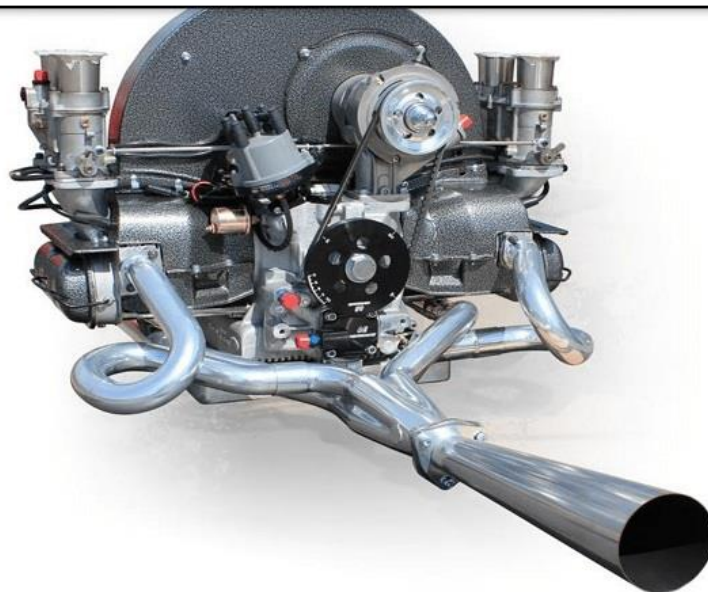


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An Interesting Research Project (Continued)

Engine Choice #1 for 2400 lb. Prototype Vehicle (207 HP @ 6800 RPM; 170 Ft-Lbs @ 5400 RPM)



2387cc Turnkey Engine

COMPLETE TURN-KEY ENGINE: \$8,889.95

Made 207hp @ 6800rpm
170 ft/lbs of Torque @ 5400rpm

Features:

86 stroke x 94 bore
Ultra Wedge Port heads
#2289 Eagle Racing Cam
48 Weber IDA Dual Carb Kit
1.4:1 Ratio Rockers
9.5:1 Compression
1 3/4" A-1 Low-Down Exhaust
MS-Digital Ignition

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The fine print in the illustration is reproduced below.

2387 cc Turnkey Engine

Complete Turnkey engine: \$8,889.95

Made 207 hp @6800 rpm
170 ft/lbs of Torque @5400 rpm

Features:

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Calendar of Events

Thanks to John Rittenhouse for the preparation of the following Calendar of Events. Note this has been updated since last published in March 2020. Some of the activities have not been cancelled yet, but are subject to cancellation at a moment's notice.

Repeating activities include:

- Monthly General Meetings - 7 to 9 PM on the first Tuesday of each month. Held at Round Table Pizza restaurant. 11095 Warner Ave. Costa Mesa. **Cancelled.**
- Monthly Steering Committee Meetings - 6 to 7 PM on the first Tuesday of each month. Held at Round Table Pizza restaurant. 11095 Warner Ave. Costa Mesa. Additional meetings to be planned as required. **Cancelled.**
- Flying field maintenance on an as-needed basis.
- Quarterly meetings with the Orange County Parks Department. Coordinated by Theresa Sears.

Singular events:

- September 2021 FAA agreement with HSS expires.

Annual Events:

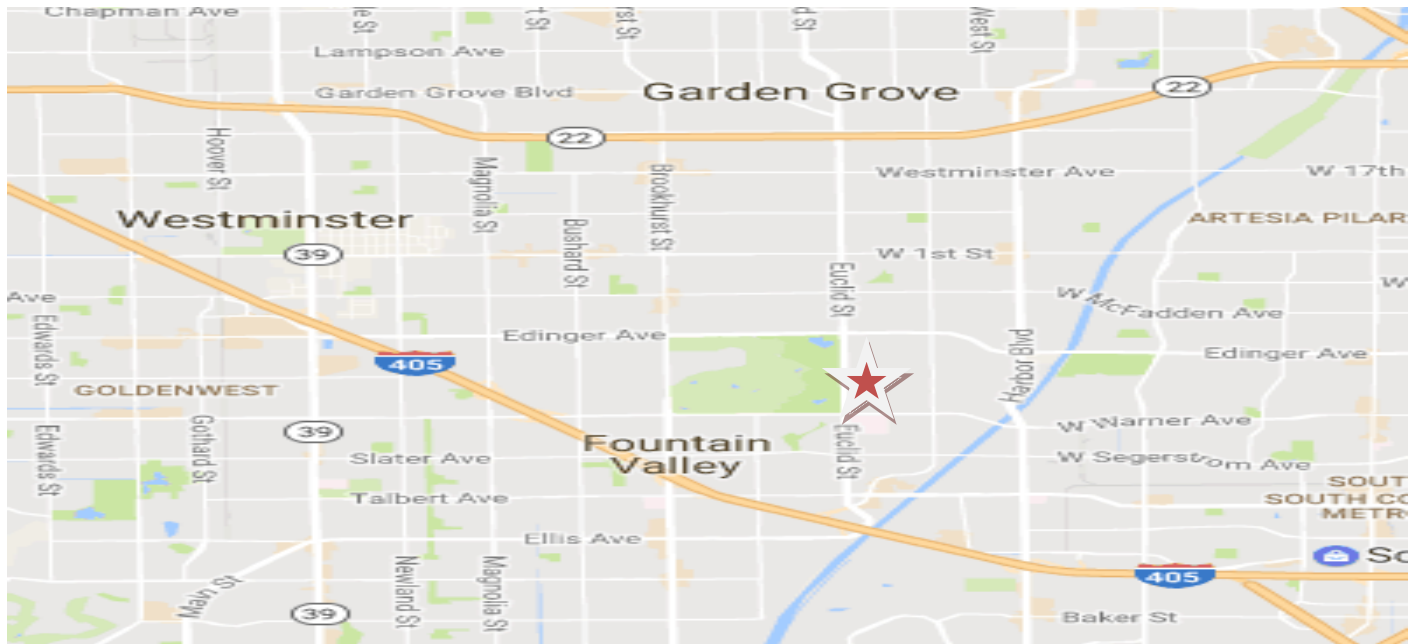
- February Wix, website management and domain name re-registration payment due.
- March Network Solutions, website domain name re-registration payment due.
- March AMA charter and "Gold Leader Club" renewal.
- March Club must purchase "Certificate of Liability Insurance" from AMA.
- April Imaginology - This is a public service event held at the Orange County Fairgrounds. HSS provides booths containing static displays of model aircraft, build and fly paper gliders, and model flight simulators. **Cancelled.**
- June Southern California Soaring Clubs (SC-2) glider competition. HSS hosts local glider clubs, for one of the monthly events held throughout Southern California.*
- July Concerts at the Park - Three evenings on Tuesday nights in July at Fairview Park. Music is sponsored by the City of Costa Mesa. HSS supports this public service event with a pop-up sunshade, and static display of model aircraft.
- July Bent Wing Glider Competition. This event is open to all club members and guests.*
- August National Model Aviation Day. Open house, demonstrations, free flying lessons, and acquiring donations for charity.*
- August Dollar Foam Design/Build/Fly competition. Tentative schedule is Original designs are electric powered RC models made from a single sheet of paper backed 1/4" foam. Performance criteria to be determined.
- September Electric Fun Fly Competition. Tentative schedule is Multiple events are planned for club members and guests.
- October Pumpkin Festival/Scarecrow Competition. This is a public service activity for HSS. It is planned by the city, to be held at the Orange County Model Engineers railroad facility in Fairview Park.
- October Nominations made for new club officers.
- November New club officer election. General Meeting.
- December Christmas party and new club officer installation. Location to be determined.

* Note: Historical events are not currently scheduled, and are included for reference purposes only!



Next Meeting POSTPONEMENT

HSS meetings will be postponed until the existing government directives are recalled. At that time we will return to our normal schedule where we 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.

**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.

HSS Membership – Renew now if you haven't.

Our 2020 HSS membership enrollment season is running full speed. 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 2020, 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 15 of this newsletter.



2020 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: A 6 month permit costs \$25 for Costa Mesa residents. \$28 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 pictures/videos 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 the last page of this newsletter.



Plane Rap Classified Ads and Services - For Sale

Mike Costello has a spectacular Pilot (brand), Reiher 3300 (3.3 meter/ 11') glider with fiberglass fuselage, all-wood wings & tail. All-flying horizontal stab. Built in the late 1970s and was hanging in the Hobby Shack/People store since then. Needs recovering, as over the years, the MonoKote has become quite brittle and has numerous holes. There are 2 servos installed and an Airtronics adjustable towhook. I flew this model once in an HSS contest back in the day, as well as Scott Miller.

Asking price is \$300 or best offer. Contact Mike Costello, 714-875-7994, MikeFTRE@gmail.com

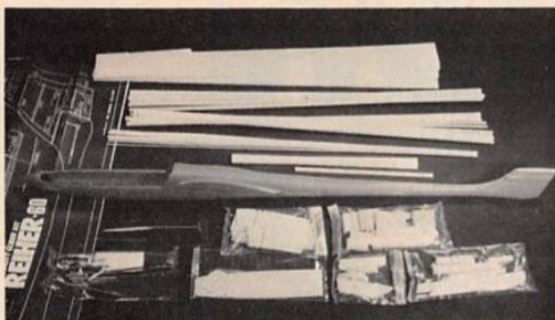
On the following page is a write-up published in RCM (Radio Control Modeler?) when the model was first introduced.

Editor's note: This is a beautiful model, in good structural condition.



Plane Rap Classified Ads and Services - For Sale (Continued)

RCM PRODUCT TEST

Hobby Shack
REIHER 3300

The Reiher-3300 is manufactured by Pilot, and available from Hobby Shack. The kit comes with a fiberglass fuselage, all balsa and hardwood that will be needed to build. The hardware includes everything required, including a pre-formed canopy, wing wires, control rods, clevises, etc. Opening the box is really one pleasant surprise after another. What really makes the whole thing so nice is not only the completeness of it, but the really exceptionally fine quality of the component parts. Pilot has really packaged everything beautifully, too. Outstanding quality material, and packaging. But you want to know how it goes together, looks, and flies, right? Well, Pilot and Hobby Shack haven't let you down. This is a really going concern in all departments, and the Reiher-3300 kit is, indeed, a lovely way to go.

For instance, ribs, bulkheads, canopy tray and all the other pieces that are such a chore to do, are already done --- and sanded to the exact size and shape necessary, and sealed in their own clear plastic envelopes. You say you want more? Well, every individual rib, bulkhead, etc., is not only cut out and sanded for you, it also has a code number lightly imprinted on it! What does that do? Well, look at the plans, find the part with the imprinted number that matches what you are looking at on the plans, and there you are --- half way home! And speaking of plans, these are very good indeed, so good, that separate instructions are not used. Conventional as well as perspective drawings assure an easy to follow blueprint for your building pleasure.

As mentioned earlier, the fuselage is fiberglass, and rates excellent in quality, finish & appearance. Color is moulded in, but if you wish, you can, of course, paint it in your own pet scheme and design.

And speaking of design, this sleek, polyhedral sailplane rates right at the top of the class when it comes to outright competition, or just fun-hunting thermals. Our only modification that would improve its' contest performance, would be the

IMPRESSIONS	E	G	A	F	P	IMPRESSIONS	E	G	A	F	P
Packaging	●					Pre-Shaped Parts	●				
Plans		●				Parts Match to Plans	●				
Written Instructions			NA			Overall Parts Fit	●				
Quality of Hardwood	●					Ease of Assembly	●				
Quality of Fiberglass						Fidelity to Scale			NA		
Other Materials		●				Flight Performance	●				
Accessories		●				Overall Appeal	●				
Die-Cutting			NA								

E=Excellent / G=Good / A=Average / F=Fair / P=Poor

SPECIFICATIONS

Name	Reiher-3300
Aircraft Type	Thermal Glider
Manufactured By	Pilot — for Hobby Shack
	18480 Bandiller Circle
	Fountain Valley, California 92708
Mfg. Suggested Retail Price	\$79.99
Available From	Hobby Shack
Mfg. Recommended Usage	Thermal Glider
Wing Span	128 Inches
Wing Chord	7½" (Avg.)
Total Wing Area	960 Square Inches
Fuselage Length	52 Inches
Radio Compartment Dimensions	(L) 12" x (W) 2¼" x (H) 2¼"
Wing Location	Shoulder Wing
Airfoil	Flat Bottom
Wing Planform	Double Taper
Polyhedral	5" each panel
Stabilizer Span	33 Inches
Stabilizer Chord (incl. elev.)	5" (Avg.)
Total Stab Area	165 Square Inches
Stab Airfoil Section	Symmetrical
Stabilizer Location	Top Of Fuselage
Vertical Fin Height	10 Inches
Vertical Fin Width (incl. rud.)	6 Inches
Mfg. Rec. Engine Range	NA
Recommended Fuel Tank Size	NA
Landing Gear	NA
Recommended No. Of Channels	2
Recommended Control Functions	Rudder & Elevator
Basic Materials Used In Construction:	
Fuselage	Fiberglass
Wing	Balsa
Tail Surfaces	Balsa
Hardware Included In Kit	See Text
Plan Size	25½" x 55½" (1 sheet)
Building Instructions on Plan Sheets	No
Instruction Manual	No
Construction Photos	No
Kit Includes	Shaped Parts
Mfg. Rec. Flying Weight	Not Given
Wing loading based on rec. flying wt.	6-8 oz./sq. ft.

RCM PROTOTYPE

Weight, Ready To Fly	40 Ounces
Wing Loading	6.35 oz./sq. ft.
Covering & finishing materials used	Super KwikCote & D.J.'s

addition of spoilers. It's a smooth, easy flyer capable of contest winning. It'll win your eye when you see it --- we know, it won ours. □



Plane Rap Classified Ads and Services - For Sale (Continued)

We recently received the following E-mail from Bela Kenessey, offering four gliders for sale. These are very high performance gliders by today's standards. Contact Bela if you are interested.

From: Bela Kenessey <btk56@icloud.com>

To: harborsoaringsociety@gmail.com

Subject: Gliders for sale

Mr. Henry Smith,

I am an ex-member of the Santa Clarita Soaring Club. Our club has disbanded many years ago due to the loss of our flying field. Currently my wife and I are in the process of downsizing and relocating. As a result, I would like to find a home for 4 very nice gliders in excellent condition (2 Onyx, 1 Topaz). I would consider some very low offers. The attached photos show 3 of them and a typical storage box for these three. The fourth one has a zippered carrying case. Please let me know if any of your members would be interested.

Bela Kenessey



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.](#) [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.comrobsrchobbies@earthlink.net



MEMBERSHIP APPLICATION 2020

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: _____



HARBOR SOARING SOCIETY OFFICERS FOR 2020

President	Henry Smith III	714-322-6537	henry.smith.3@earthlink.net
Vice President	Joni Whitsitt	714-396-2523	whitsittjo@gmail.com
Treasurer, Membership	Don Wittenberg	714-321-3944	drwittenberg@verison.net
Secretary	Fred Hesse	714-963-5838	fhesse@socal.rr.com
Contest Coordinator	Bruce Schaefer	714-814-6412	metaterra@msn.com
Safety Coordinator	Kevin Koch	714-651-1246	kev380@yahoo.com
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SUBSEQUENT CLUB MEETINGS ARE CANCELLED FOR INDEFINITE DATE.
WHEN RE-INSTATED, THEY WILL BE AT ROUND TABLE PIZZA,
11095 WARNER AVE. COSTA MESA. GENERAL MEETING FROM 7 TO 9 PM.
BRING YOUR FAVORITE PLANE FOR SHOW AND TELL.
BRING YOUR FAMILY, WIFE, AND FRIENDS FOR DINNER.
SEE DETAILS AND INSTRUCTIONS TO LOCATION ON PAGE TBD.
SEE THE COLOR NEWSLETTER SENT BY E-MAIL AND AVAILABLE ON OUR WEB SITE.

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