

THE SCALE SQUADRON
OF
SOUTHERN CALIFORNIA



Founders of the
US Scale Masters Championships

SCALE DIMENSION

OFFICAL NEWSLETTER OF THE SCALE SQUADRON OF SOUTHERN CALIFORNIA

HAPPY HALLOWEEN



**PROUD SUPPORTERS & FOUNDERS OF
THE U.S. SCALE MASTERS CHAMPIONSHIPS**



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COMMANDER'S VIEW



Sam Wright

Commander

Make Model Aviation Great Again

Welcome members. I am at such a loss for words with many months of no meetings.

October is upon us and Home Depot pushed the Halloween stuff in a corner and now that area is covered with lit Christmas Trees. Pretty tough to get in the Christmas Spirit in the heat spell we are experiencing. That of course would bring up the question of our annual Christmas Dinner. So far, the Green River folks have not been approved to open yet. Add to that the governor wants us to wear a mask between bites. I cannot imagine he

said that and was shown many places without one.

Let's get through October and see where we stand on that situation and the board can weigh in at that time. We have missed so much including flying. I am not a big fan of this so flying has turned into building for me. I should be really ready for an event.

Note that the One Eighth Air Force is holding their event with some restrictions or modifications. I truly love this event and the people that attend it. This year unfortunately due to Top Gun moving the date because of the virus, it is the same weekend. I will be in Lakeland, Florida at Top Gun, but do encourage you to attend this event. It is well worth the drive.

In the meantime, I am hearing about some of you building or finishing an aircraft model, so I am so happy about that. Some are taking the down time to

remodel the house or garage, and in between model building in the shop, I have been adding features to the new to us.

The most important thing is that all of you are making sure your health and your family's health is taken care of.

As Pano said, this is a short newsletter and he is doing a great job keeping the newsletter alive. Any photos of your projects will help him and keep us all updated.

Until next month stay well, please, and see you all soon.

Sam

Sam Wright, Commander

sam-w@cox.net

EDITORS NOTE:

Hey Gang

No one sent in any submissions for *Show and Tell* or *What Members Are Building* this month. I have been busy with work and home life and haven't been able to put any time in building this last month. Still doing a lot of DIY around the house.

I want to make sure that you all know that you can send in submissions at any time. If you think it's too late in the month to send one in, don't worry I can use them in future newsletters. If not in time for the one I am currently working on I will hold on to them for the next one. Please feel free to send in your projects. When you do, please let me know if this is for show and tell or the what your building page. For show and tell please send me at least 2 pictures and a description of the plane. For What you are building please send at least 6 pictures and a description of each photo.

Pano Coromelas, Editor



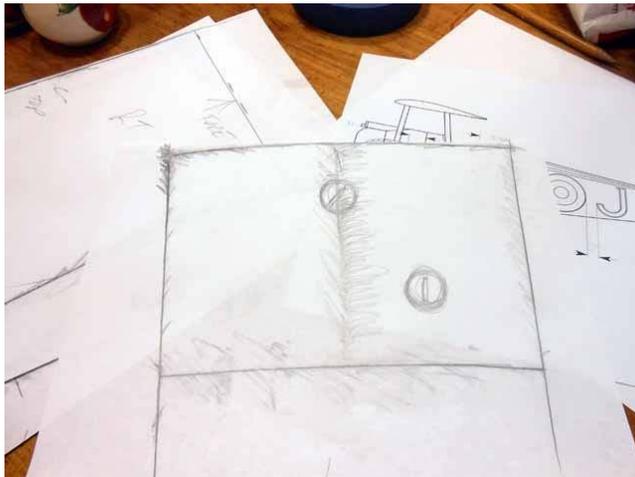
TIPS FROM THE SHOP

SCALE WW I FINISHING TECHNIQUES — APPLYING PLYWOOD PANELS



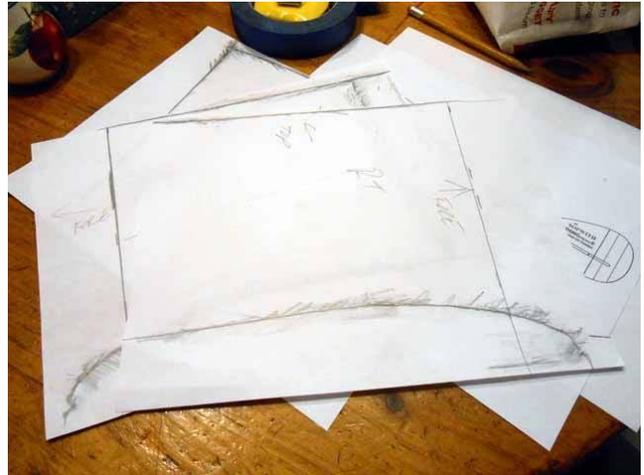
When it comes to any model of a Sopwith Camel (and some WW I German aircraft), there are some plywood panels that give the airplane its characteristic look. It was always part of my overall finish scheme to include these side and top panels. Since they are added after the model has been covered and painted, you can add them whenever you like before flying. Yes you could do without them all together and just cover the areas with fabric, but then you are missing a lot of eye candy the plane has to offer.

Getting Started



After your model has been covered. Tape a sheet of paper over the area where you will apply a plywood panel. Use a pencil and

lightly trace the outer edges as show above. I use tape to define edged that are not as sharp. Here's the top aft panel that's just aft of the cockpit opening. It was used to cover the fuel tanks in the full-size airplane.



Here's one of the two side panels. it is done in the same way.



start with 1/64-inch plywood sheets from the hobby shop and I use a spray adhesive to lightly tack the paper template onto the plywood sheet. You can use a shape pair of scissors to cleanly cut the panel to size. I then rub on some MinWax stain and let it set for a few hours. My panels are stained with Red

TIPS FROM THE SHOP CONT.

Maple stain using a cloth to rub on two coats of the stain. After the stain has dried, I spray on 2 to 3 light coats of fast drying MinWax acrylic gloss clear. I use a green Scott pad between coats to smooth the finish.



While the stain and clear coat dry, the plywood panel tend to bend in the desired direction making them easier to apply. Yes, I still have to cut the gas cap openings in this panel. I should have done that before staining.



After cutting the two 1 inch diameter openings in the gas tank panel, I applied these bits of aluminum tape to the model.



When the panel is glued into place, this is what it will look like. The caps still have to be made.



Mark off the area where the panel will be placed and apply a coat of WeldWood contact cement from DAP. Where you want a straight edge, place some tape, apply the cement and remove the tape right away.

TIPS FROM THE SHOP CONT.



Apply a coat to the underside of the panel and allow the cement on the model and the panel to set for 15 minutes. Then carefully align the panel edges and firmly press the panel into place. Be very careful, if you get the placement wrong, removal of the panel is almost impossible. It will be badly damaged if you try to pry it off of the model.



I start with the top aft gas panel and then I do the side panels. This way you can align the top edges of the side panels for straight tight seams. The panel around and over the cockpit, was already glued into place when I

was building the cockpit hatch cover. All the other panels butt up against its edges.



Here's the top aft gas tank panel is glued into place.



The areas forward of these plywood panels will be covered with metal, (or metal looking), panels which are next in this ongoing project. If you get any contact cement smears you can remove them easily with products like Goo Gone or Crayon remover from the hardware store.

TIPS FROM THE SHOP CONT.



And here is the finished top aft gas tank panel, with some details added like the cockpit combing and the petrol gas caps and decals, the finished Sopwith Camel looks great!

The decals by the way are from CalGrafx.com

Gerry Yarrish

Updated: February 20, 2020

MODEL
Airplane
NEWS

WHAT OUR MEMBERS ARE BUILDING

This P51 Mustang is from our Commander Sam Wright, This P51 has an interesting story.



This is an older Hangar 9 P51D 80 "wingspan, 1.50 ARF. The kit is no longer available. Should weigh 13-14 lbs., when finished. The previous model was 19 lbs.

I bought it originally at a One Eighth Event in Arizona from Jim Spice with a Saito FS36 Gas 4-Stoke and Century Retracts. I cleaned it up and Tony Quest did the trim flight for me and it flew very well, but was heavy. Apparently maybe before Jim had it, it had been crashed and the wing was glassed like a surfboard. Later Tim Cardin added a CH ignition for me,

tuned the engine and did a trim flight. Again it flew well and Tim said if you pull the power it will hunt for the ground like a homesick dog.

One day at OCMA Harry Middleton said, hey I have a buddy that has one in the box, same airplane. So, I scrapped the original one and started on the new one. Another guy had started on the wing and it needed serious work to make the two halves meet. This one was an Olive color which I liked better and I knew it would be a ton lighter. Plus, it had Robart Electric Gear. The new assembly is coming along nicely, and you can see from the photos how the wing was joined with a spar and glass cap on top and bottom. The retract module was fried and after installing the new one from Robart it is now an electric Retract airplane.



I will reinstall that trusty Saito, have Tim put his magic hands on it again and I am sure he and I will be pleased with it being almost 4 lbs., lighter. That is my story and I am sticking with it.

Most of the servos are installed in the underneath mid-section of the wing, basically that is the only place they will go. 8 servos, 1 channel for Electronic engine cut off and 1 channel for Robart electrical gear.

MONTHLY MEETING NIGHT

Monday

October 12, 2020

7:00pm

**OCTOBER
MEETING**



As we continue to monitor the rapidly evolving situation around the coronavirus (COVID-19), our first thought is for the safety and well-being of our members impacted by these difficult circumstances. In these unprecedented times, it is important that we come together to support all those impacted.

MARK YOUR CALENDARS

**MORE EVENTS TO VISIT OR PARTICIPATE IN
COMING UP!**

OCTOBER EVENTS

October 30 – November 1, 2020 FALL 2020 Scale Fly-In
ONE EIGHTH AIR FORCE

October 28-November 1st, 2020 – Top Gun

<https://www.franktiano.com/top-gun>

**WAITING TO SEE WHAT EVENTS ARE GOING TO
BE RESCHEDULED.**

I WILL KEEP EVERYONE POSTED.



THERE CAN BE ONLY ONE.



NEW FOR 2020!
EDF Black Ducted Fan Class, sponsored by



~~April 29 - May 3rd~~
NEW DATE
Oct. 28 - Nov. 1st
LAKELAND, FLORIDA



- Non-stop R/C Flying at its Best!
- Huge Hobby Vendor Area
- Major Team Demos @ Noon Air Show
- Open Pit Policy
- Meet & Mingle with 130 of the World's greatest pilots



Located at "Paradise Field" on W. Pipkin Rd, @ 4999 Air Show Rd. Lakeland, FL.

ONE EIGHTH AIR FORCE

FALL 2020 SCALE FLY-IN
OCT. 30 - NOV. 1
SCALE MODELS OF ALL TYPES WELCOMED



FEATURING
-OEAF'S UNIQUE AWARDS IN MANY CATEGORIES
-SATURDAY NIGHT DINNER AT THE FIELD
REGISTRATION STARTS SATURDAY @ 0730 HRS
\$30 PER PILOT - AMA REQUIRED



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SCALE SQUADRON OF SOUTHERN CALIFORNIA

Advancing and Promoting the Hobby of Remotely Controlled Scale Miniature Aircraft

Many people from all walks of life find it fascinating to produce a miniature working replica of a full-size object be it a doll house, sailing ship or operating steam locomotive. In our case it is our passion for Flying Machines that motivates the Scale Squadron.

Our members have diversified interests in all facets of aviation history, from the first aircraft to fly at Kitty Hawk to the modern-day jet. Advancements in technology have provided us with ready-to fly kits, on-board cameras, in-flight telemetry, multi-cylinder engines as well as high powered miniature jet turbines that burn real jet fuel. Today as scale modelers we pursue nearly every possible aviation subject with the confidence that not only will our project be successful, but

that it may outperform that of its scale counterpart.

Squadron members delight in the pursuit of authenticity for scale projects. This requires research and documentation of specific aircraft and their variants. Many of the flying replicas thus created are of "Museum Quality" and our members take to the skies with these flying miniatures regularly and successfully. On the other hand, not every member makes a scale masterpiece. That's OK too! Whatever pleases you is what counts. Whether you are kit-bashing, volunteering at charity aviation events, or making molds from scratch for Scale Masters or AMA National Championship scale aircraft, Scale Squadron is a club that embraces all facets of scale aviation R/C modeling and the related community.

Scale Squadron Club Meetings are held on the 2nd Monday of each month at the Green Valley Adult Clubhouse, 17215 Los Jardines West (just north of Slater) in Fountain Valley, CA. The meetings start at 7PM and last about 2 hours.

Our meetings throughout the year include the usual club business as well as Member Show & Tell, Modeling How-To's, Aviation and Industry Presentations, and good ol' time social gathering to help enlighten and encourage our membership to push the boundaries in the art of Miniature Aircraft Replication. Like-minded visitors are always welcome. All members and visitors alike are encouraged to bring their latest scale models and projects!

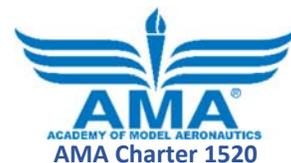


SCALE SQUADRON OF SOUTHERN CALIFORNIA

THE SCALE SQUADRON
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SOUTHERN CALIFORNIA



MEMBERSHIP APPLICATION



Membership in the Scale Squadron is open to all AMA members who are interested in safe, formal, and informal flying, including the research, building and flying of Scale R/C Miniature Aircraft. Membership Annual Dues are \$30.00 covering January 1 through December 31. Membership begins after verification of your current Academy of Model Aeronautics (AMA) Membership Card and receipt of Scale Squadron membership dues. Membership in the Scale Squadron includes a monthly newsletter and Squadron name tag. Meetings are the second Monday of each month at 7:00pm.

NEW RENEWAL Recommended by _____ DATE _____
Name _____ Spouse _____
Address _____ City _____
State _____ Zip Code _____ Email _____ Birthday _____
Home Phone _____ Work _____ Ext _____ Mobile _____
AMA# _____ FAA _____ USSMA _____ FCC/Ham _____ EAA _____

MODELING INFORMATION

Years in R/C _____ Modeling Level: New Intermediate Expert Need Help

Interest Area: WW1 WWII Golden Age Civilian Vintage Jets

Private or Commercial Pilots License & Type Rating _____

Are you interested in Scale Competition? Yes No Would Require Assistance

How did you hear about the Scale Squadron? _____

GENERAL INFORMATION

Meeting Preferences. Check all areas that you would like to see at the monthly meetings

How To Videos Guest Speakers Scale Techniques Scale Contest Prep

Your Ideas _____

Would you be willing to assist at Scale Squadron Events? Yes No Maybe with Help

Registration Gate Flight Line Judging Scoring Cooking

Comments _____

NOTICE: This information is only for the Scale Squadron Data Base and will not be shared or sold to any outside agencies. Your information may be used in a Scale Squadron Membership Guide available only to paid members.

ABOUT THE SCALE SQUADRON

SCALE SQUADRON OF SOUTHERN CALIFORNIA

Officially AMA
Chartered on
April 7th, 1977

1977

WHERE IT ALL BEGAN

Scale Modeling is the accurate recreation of aircraft in aviation, from the early biplanes to the latest jets of the 21st century. Whether it's built from scratch, a kit or an ARF, scale modeling strives to recreate the airplane as historically accurate as possible. Paint schemes, rivets, windshield glass, and even pilots are faithfully painted and built to exacting specifications. The end result is a flying recreation of the original full-size airplane.

Our members all have one common goal - to share their knowledge of aviation, aviation history, and scale modeling.

Our monthly meetings are open to everyone, and often feature "how to" seminars on building and flying model aircraft.

Each year the Scale Squadron hosts and participates in numerous events, with the overall goal of bringing together modeling

enthusiasts from all over the world. Events our members historically and perpetually attend are:

- Top Gun
- U.S. Scale Masters
- Warbirds Over the Rockies
- Arizona Electric Festival
- Best in The West Jet Rally
- One Eighth Air Force Fly-in
- Battle of the Builders

The Scale Squadron also hosts their own annual event known as The Scale Squadron Warbirds and Classics. This year will be the 9th year running of the Squadron event.

The Scale Squadron dates back to the early 70's. Harris Lee, Bert Baker and Bob Olson were the original founders of the Scale Squadron and members of the Orange Coast RIC Club. Their interest in scale modeling brought them together regularly at Lee's home. The word soon got out, and their numbers quickly grew. Scale modeling became the hottest new interest within the R/C community.

The first official scale modeling club was formed in 1973 with events held at Mile Square Park.

Scale modeling was in its infancy yet immensely popular as attested to by the large participation at each of their events. Harris Lee devised a plan for sanctioning a series of local qualifiers around the country and then having a fly-off to determine the national champion. Out of this idea the U.S. Scale Masters was started and is the premier scale competition in the country today. Pat Potaga, of Scale R/C. Modeler Magazine, helped to put this program on the map. His articles and front-page color photos helped fuel the fire of scale modeling. The modeling world owes these visionaries a debt of gratitude. Thank you Bert Baker, Bob Olson, Jerry Ortega with special thanks to Harris Lee.