

THE SCALE SQUADRON
OF
SOUTHERN CALIFORNIA



Founders of the
US Scale Masters Championships

SCALE DIMENSION

Official Newsletter of the Scale Squadron of Southern California

**WARBIRDS &
CLASSICS
Preview
Special!**



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W&C 2021 Photo Review

Founders & Proud Supporters of
The U.S. Scale Masters Championships



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On the Cover

1. Jerry Smith's Mitsubishi A6M Zero on a high-speed flyby.
2. Wyatt Kahl enjoying another flight with his Pitts S-1S.
3. North American F-86 Sabre being flown by Lou Van Tilborg, about to touch down.





Mike Greenshields Commander

Squadron Members Past and Present, Family, and Friends Everywhere:

We have lost one of our own. **Ed Woodson**, our long-time club member, secretary, and above all, great friend, passed on May 27 at 4:00am surrounded by his wife, Jane and loving family. He will be sorely missed. Our good thoughts, prayers, and support, go out to his wonderful wife, family, and friends.

We know people in our own unique ways. For me, Ed was a pillar. A rock-solid, very up-right, solid person. In our club, he was ALWAYS dependable, honest, fair, and caring. He had a huge passion for our hobby and just loved airplanes, all sorts. Ed was a great modeler and pilot and yet always very understated (well, except for the very large airplanes he sometimes flew!) Ed's professional career was teaching and later in helping teachers! In fact he taught at Brookhurst Jr High—the junior high school I attended. He left the year I got there to teach at Western High School, my rival high school. (I went to Savanna - What a small world we live in!) We had so many great conversations about all the great teachers I had back then. He knew them all and shared so many great stories. You could always count on Ed for reliable and helpful, and sometimes very fun insights.

Ed will be missed by every one of us. The world is missing an amazing man.

Information on his services will be sent directly to club members. Contact me if you have questions: mikegreenshields@gmail.com

This week (May 26), we celebrated the life of **Sam Wright**. His wife Nancy and family created a wonderful celebration that allowed so many of his friends and family to express their stories as we shared in the glow of his life as we shared our sorrows. I felt honored to be in attendance and so happy to see so many club members and friends there giving the family their love and support.

It made me think of our lost member **Larry Klingberg** and the amazing love he had for this hobby and sharing it with others. I understand within the year, we're going to be able to view Larry's models at a local air museum (details to be shared as they become available). Losing three incredibly great and inspiring members this year has been nothing short of heart breaking for us all.

In this terrible loss, I am reminded we should all be incredibly thankful that we were able to know them and that they were a part of what we do. Three unique individuals, all served their fellow man, all promoted our hobby, and all were loving family members and friends.

I am honored to have known you, Mr. Klingberg, Mr Wright, and Mr Woodson. Their memory will be honored through Awards presented in their names at our upcoming Warbirds & Classics event.

Club members, this is all a lot to take in. And I apologize if I didn't express this all as well as I should. But in their memory, let's make sure we have a great event. I know that's what they would want.

We're looking forward to a fun weekend flying some great models with some even better friends from all over.

Thank you all and warmest wishes.

Mike Greenshields, Commander
Commander@ScaleSquadron.com



EDITOR'S NOTES

Welcome to the **2022 Sam Wright Memorial Warbirds & Classics Scale Fly-In Preview** edition of the newsletter!

That's quite a mouthful but W&C is worth it. We're going to shamelessly use whatever coercion methods we can think of to get you out to the event **this weekend**, one way or the other. We'd prefer, of course, that you bring something to fly (or just park in the pits), but we'd also just love to see you.

The 2021 W&C provided near-record participation by pilots and spectators alike. This was totally unexpected, given that the 2020 event had been canceled. Online preregistration for this year has been higher than average and expectations are high for a record turnout. To give you an idea of what to expect, you'll find a photo summary of last year's W&C beginning on **Page 6**. Take a look at that and then *go get your airplane ready!*

Ed Woodson

This past week we lost another pillar in the Scale Squadron community. **Ed Woodson** passed away at home surrounded by family. Ed was a great builder, pilot, mentor, coach, and all-around terrific person. He leaves behind an amazing legacy and will be missed by everyone.

Commander Mike Greenshields has provided a touching memorial for Ed. Be sure you don't miss Mike's *Commander's View* column.



Eric Puchalski
Newsletter Editor

Scale Masters Competition Training

The **Hemet Model Masters** are hosting a clinic put on by **U.S. Scale Masters** for anyone interested in improving their scale modeling presentation and flying skills. For only 10 bucks you can spend an entire day with experts who know all the ins and outs of scale model competition. (They even kick in lunch.) This is a terrific opportunity to get some tips and coaching from people who live and breathe this stuff. I know where *I'm* going to be on Saturday, August 6.

See the flyer in the *Upcoming Events* section for details and contact information.

What's the Dope?

And for those of us who suffer separation anxiety when we find ourselves more than 50' from a WWI scale model, I've included an interesting article about that thing we call "dope." I love to go through old model aviation magazines and I sometimes stumble across odd bits of information in the oddest places. Recently I found an article in an **Aeromodeller** magazine from 1965 explaining how dope became dope. Given my interest in vintage and WWI scale, this caught my eye and I thought I'd share it with everyone. Check it out beginning on **Page 13**.

See you at Warbirds & Classics!

Eric

roadkill1954@gmail.com

WARBIRDS & CLASSICS 2022

2022 is proving to be a tremendously challenging year. Why not leave it behind for a couple days and enjoy a great weekend flying scale with your friends at the Sam Wright Memorial Warbirds & Classics Scale Fly-In?

Last year's W&C event was a near record breaker and we have high hopes for doing even better this year.

We have expanded the reserved and free first-come-first-served pit areas. (We're doubling up to ensure EVERYONE has space!

The field is prepped. The first-rate paved runway, the 63 acres of "green" area is mowed and manicured. The tumbleweeds are gone and the stage is set for a beautiful event.

Blake's Place (www.blakesplacebbq.com), our new Banquet Caterer is ready with an award-winning, top notch dinner. Along with that, our Saturday night banquet will include the awards ceremony and a presentation in honor of our three members who have passed this year: **Ed Woodson**, our educator and Secretary, **Larry Klingberg**, one of our AMA Hall of Fame life members, and **Sam Wright**, the golden-voice of the hobby industry and past club president. In their honor, we will have THREE Commander's Event Awards in their name.

Saturday Lunch has been expanded because we're expecting even more spectators than last year. And this year, PILOTS eat FIRST.

Enjoy Free-for-pilots Friday and Saturday lunch and our Friday night Pilots-mixer. Expect good drinks and good eats.

We're back this year with more vendors. We're expecting several including our main sponsor: **ZAP/House of Balsa**.

Requirements & Restrictions

As usual, models must be representative of a full-scale prototype that actually flew at some time. Documentation is required for all aircraft but may consist of a single photo, drawing, or 3-view that proves the prototype existed. Turbines are not allowed but all other power systems are



fine. Smoke systems are also not allowed. Drones are not allowed except those cleared by the CD for taking photos or flight demonstrations.

This is an AMA sanctioned event so current AMA membership and proper FAA registration marking on your model are required.

Volunteers Still Needed

We are always very short on volunteers. If you could help with any of the jobs that must be done with an event like this (parking, registration, ground and air traffic control, set up,

take down, concessions, etc.) please contact **Randy Wilbur** or **Joni Whitsitt**. Even if you're a pilot, Joni and Randy are very good about scheduling so that your flying time will not be impacted.

Get Out There & Join Us!

If you've never attended Warbirds & Classics as a pilot, be assured that this is just about the most fun you can have in Southern California for only 40 bucks. The fact that a few meals are kicked in just sweetens the deal. Even if you only show up for a look-around you'll be amazed at the number of models, the quality of construction, and the superb piloting skills that will be on display. If nothing else, it will serve as an inspiration to get you more involved in scale modeling.

Fantastic pilots and planes from four states, a growing spectator crowd, RV Parking on-site, MORE free food for the pilots, a spectacular Saturday Night Banquet and Awards Ceremony, and new shirts for this year, at a fantastic flying field! Our 15th anniversary event is going to be great fun. We're truly hoping to see all of our scale flying buddies and friends this year. We truly hope you can attend.



WARBIRDS & CLASSICS 2021 - GALLERY

With 100+ airplanes at the event, it was impossible to include photos of them all. If you were at the event then you know how impressive it all was. If you weren't able to be there in person then here is a sampling of what you missed.

The Pits



2021 Warbirds & Classics – Gallery

During the traditional lunchtime line up on the runway center line, the models were arranged from one end of the runway to the other. That meant about **500' of airplanes** lined up wingtip to wingtip for close-up inspection. A lot of people took advantage of the opportunity to examine and photograph this amazing assortment of scale models up close.

Lunchtime Line Up



2021 Warbirds & Classics – Gallery

Boeing 737 Max 8 – Michelle Nolan



Boeing P-26a Peashooter – Jarred Pinn



Boeing B-29 Superfortress



Cessna 182 Skylane – Michael Calloway



deHavilland DH.82 Tiger Moth - Eric Puchalski



Douglas AD-1 Skyraider – Chris Wolfe



2021 Warbirds & Classics – Gallery

Fokker D.VII – Larry Staples



IAI Kfir F-21A Lion – Brent Hecht



Lockheed Martin F22 Raptor – Jared Pinn



LTV A-7E Corsair II – Chris Wolfe



North American T-6 Texan – David Hawkinson



Northrop T-38 Talon – Brent Hecht



2021 Warbirds & Classics – Gallery

Percival T.1 Provost – Keith Hedge



Power: DLA 32cc Origin: Scratch, Own design
WS: 84.5" Materials: Built up
Weight: 26 lbs Finish: Fiberglass, paint

Pitts Model 12 The Beast – Tony Tran



Power: Radial 4S Origin: ARF
WS: 80" Materials: Built up
Weight: 35 lbs Finish: Shrink film

Republic P-47 Thunderbolt – Jaime Colley



Power: Electric Origin: ARF
WS: 40" Materials: Foam
Weight: 2.8 lbs Finish: Custom paint

Republic P-47 Thunderbolt – Brian Young



Power: 3W 220 Origin: Don Smith Plans
WS: 123" Materials: Built Up
Weight: 90 lbs Finish: Fiberglass, paint

Robinson R-22 – Thanh Chang



Power: Electric Origin: ARF
Rotor: 85" Materials: Fiberglass
Weight: 31 lbs Finish: Paint

Sopwith Pup – Don Aitken



Power: G-26 Origin: Balsa USA Kit
WS: 84" Materials: Wood
Weight: 13 lbs Finish: Solartex, paint

2021 Warbirds & Classics – Gallery

Spad XIII – Larry Staples



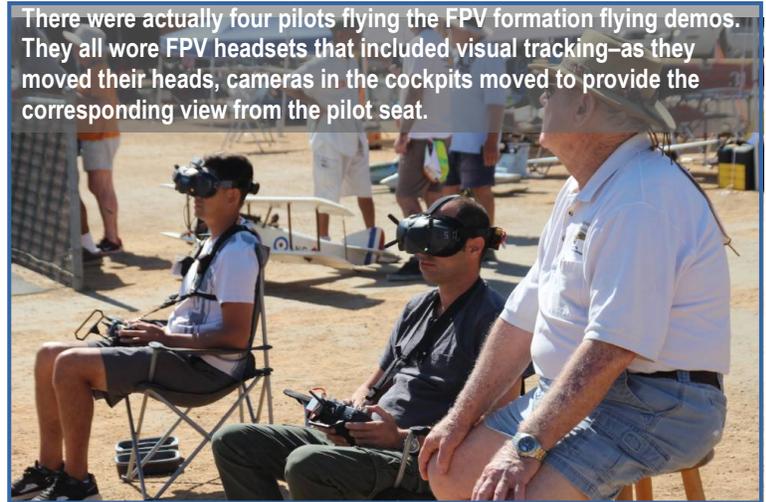
Stearman N2S-3 – Pat Schreffler



WACO – Harry Middleton



FPV Formation Flyers



FPV Formation Flying



2021 Warbirds & Classics – Gallery

...and there was *plenty* more:



HERE'S THE DOPE

[ed note: We've all worked with dope at one time or another and we've probably all wondered about the origin of dope and the odd name. I recently stumbled across an article in an old copy of Aeromodeller magazine that cleared it all up for me. The article is somewhat dated (February, 1965) but the information is still relevant. The author, Bruce Robertson, was a prolific writer and airplane historian. He wrote dozens of books about specific aircraft, materials, techniques, battles, and aircraft history.

I found the following article extremely interesting and informative—I hope you do, too.]

by Bruce Robertson

Reprinted from Aeromodeller magazine of February, 1965.

Much has been written on colour schemes for 1914-1918 war aircraft, but how precisely the colours were applied is seldom, if ever, detailed.

Apart from plywood panels on such aircraft as the DH.4, the main airframe covering of the period was fabric, linen or Egyptian cotton, stretched tight over the wooden framework of fuselage and planes. In order to give the maximum efficiency and to preserve both fabric and frame it was essential that air or water should not penetrate through the weft and warp of the material. Thus it was doped to provide a continuous cellulose film that would (fill the interstices of the fabric as well as tauten.

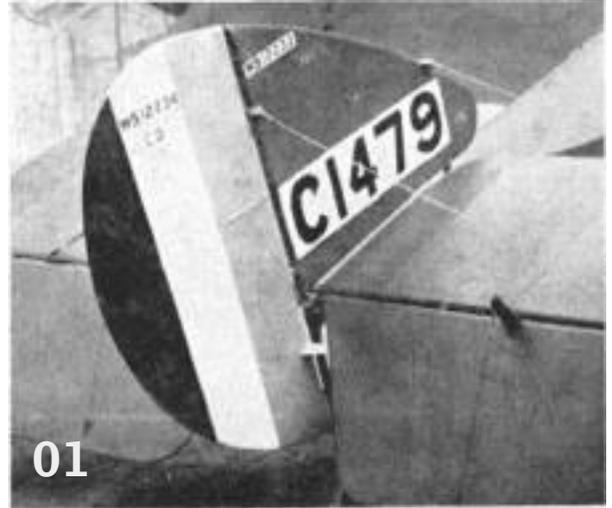
A good dope would also increase the tensile strength of the fabric. In fact the name “dope” actually came from the new, seemingly false, properties that its application bestowed using the word in its original American sense of false or

01: Identification markings on the vertical tail surfaces of a Sopwith Pup. C1479 is the aircraft serial number, in black on a white rectangle. Across the white stripe of the rudder, the number WS12234 signifies the part number, with W prefix for construction by Whitehead Aircraft, and on the fin the part number WS12233 is cased in a white rectangle. Beneath each, also in black lettering, are the letters CD. These signify that Cellon Scheme “D” was used for the dope finish. (Photos via F. Cheesman.)

confidential information. This was also apt in that manufacturers kept their production methods and ingredients a close secret. Prior to its general adoption various materials were tried, including shellac varnishes, beeswax and tapioca paste.

By 1912, the Emaillite firm, which enjoyed something of a monopoly on dopes in France, had started on an English factory, with Cellon, having that year obtained Government contracts, a close rival. Early in 1914 Cellon, watching the growing interest in model aircraft, produced their No. 14 dope specially for the model market.

Soon after war was declared, steps were taken by the Government to conserve stocks of cellulose acetate, so essential to dope manufacture. In October, 1915, the Royal Aircraft



Factory, controlling the specification for their designs (e.g., BE.2c, FE.2b, RE.7, SE.4) decreed that dope to their specification No. D.94 would be used with a final transparent varnish Specification V.II4 and invited tenders from dope manufacturers. Unfortunately, the tetracholorethane element of D.94 caused a number of fatalities. When private manufacturers produced equally effective non-poisonous dopes it was agreed that these, and a new R.A.F. nonpoisonous tightener (known appropriately as Raftite) could be used provided they met the requirements of the Aeronautical Inspection Directorate.

Each manufacturer had their recommended scheme of application. A typical factory and air park scheme was one using an initial thinned coat of three parts of dope to one of acetone, to ensure penetration to impregnate the canvas and give a better adhesion to the two full strength coats which followed.

Raftite and the proprietary dopes were virtually colourless. To give the characteristic khaki-green, a preparation officially known as PC.10—Pigmented Cellulose Specification No. 10—was used. This was nothing more than dope containing pigments, and two coats sufficed to give the camouflage colour of British warplanes

Here's the Dope

1916-1919. Produced by the various dope manufacturers, there has been much controversy over its precise shade: there is no doubt that it varied from green to brown. In the Camouflaging of Aeroplanes Trials at Orfordness in July, 1917. PC.10 was described as khaki on one machine and as brown on another. To quote an American officer sent to British units to report on dopes: "PC.10, this is an olive-green dope, sometimes called khaki paint." Normally it was applied to the upper surfaces and fuselage sides, leaving the undersurfaces their natural colour, but protected by two coats of V.114—Varnish to Specification No. 114—which in reality was more of a finishing dope than a varnish.

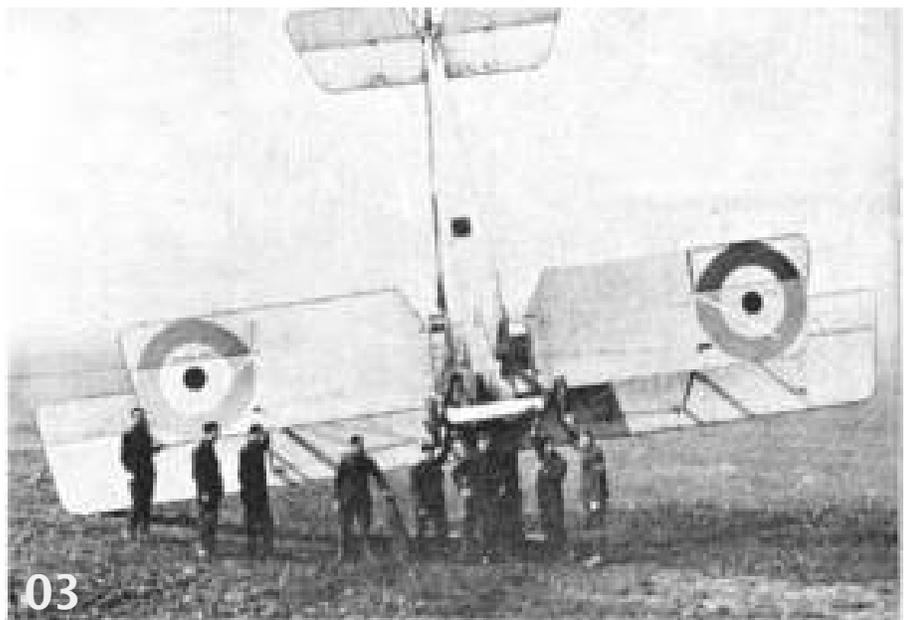
A coding system was instituted in August, 1916 for marking on doped surfaces in not less than 1" characters. Such a check system was necessary as for example, Emallite would not take on Cellon or vice versa. Letters were allotted for dope manufacturers as follows:

- A "Armoid Dopes" by the Standard Collar Co.
- B "Britannia Dopes" by Robert Ingham Clark.
- C Cellon, Ltd.
- E British Emallite
- N "Novellon" by Siebe, Gorman & Co.
- R "Raftite" by the Royal Aircraft Factory
- T "Titanine" by the British Aeroplane Varnish Co.

This initial was followed by a second letter allotted alphabetically for the firm's own scheme on official

acceptance. An example is BA the first scheme (A) with Clark's "Britannia" (B) dope for trainers introduced in April, 1917, which involved initial doping, a silver glaucous cover of one part silver colouring to four parts of dope and a final protective varnish. Their second scheme (BB) involved the standard doping coats, PC.10 and V.114. The dope identity letters were in black or white to contrast, except for nitrodopes, introduced from late 1917 due to shortages of cellulose acetate, which were marked in colours to denote a flammable material. Aircraft so marked were restricted to non-operational areas. Two symbols were also used—a cross for a thinned dope and a triangle for full strength.

Apart from the officially approved schemes which



02 & 03: Unfortunate RE.8 of No. 13 Reserve Squadron based at Dover, in 1917. Aircraft A3817, upended when being flown by Major Acland. M.C. His misfortune is our luck for it afforded these two excellent views to be taken, showing the PC.10 upper surfaces and V.114 undersurfaces. Dope scheme details are minutely marked in the whites of the roundels. (Photos via F. Cheesman.)

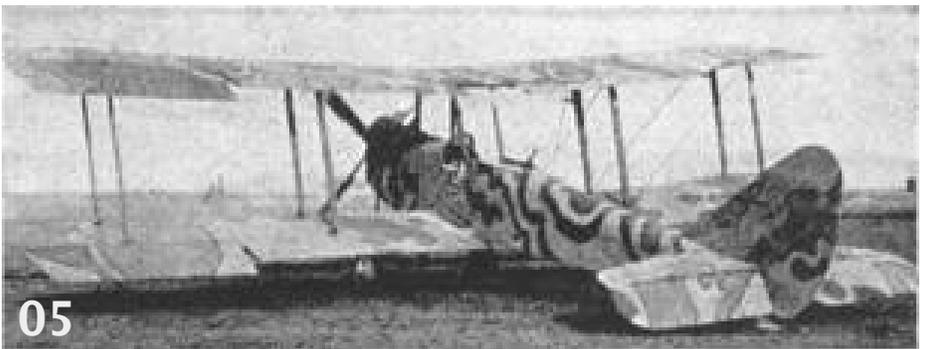
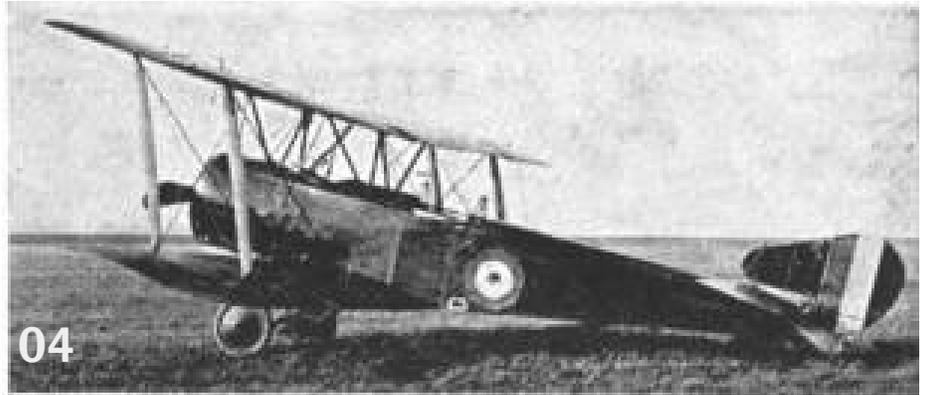
Here's the Dope

practically all involved three to four coats of dope, two of PC.10 for upper-surfaces and two of varnish for under-surfaces, units in the field had their own modifications to the scheme. One DH.4 squadron, disregarding instructions to the contrary, varnished over the PC.10 to cut down skin friction and achieved an extra mile an hour at the cost of a reduced camouflage effect since the wings would then glint in the sun. Once so varnished, it could not be treated with PC.10 as this would not adhere. It could be painted, but khaki-paint was not a standard issue.

Schemes varied from three coats upward; the heaviest service scheme recorded being an eight-coat scheme by No. 6 Air Park at Ochey during a shortage of Cellon, when six coats of Raftite were applied before the two of PC.10 to the DH.4s being processed for No. 55 Squadron. For night bombers, the Handley Page 0/400s in particular, lampblack was sometimes applied to darken the shade.

On active service, the doping processes were not so easy to carry out, as to be efficient the material had to be clean and dry and the dope evenly applied in a warm atmosphere with sufficient time allowed between coatings for drying. The paint spray gun, already widely used in America, was tried for dope application, but due to clogging in trials was not generally adopted.

Pigments were supplied for roundel colours, but most of these markings were special aircraft paints, and the familiar squadron markings of white bars and circles were often of whitewash or chalk. With all the different brands of dope and the various formulas issued by their manufacturers, small wonder that a colloquialism should have been engendered—"What's the dope?"



04: A **Sopwith 1-1/2 Strutter** with the fuselage roundel and markings on the fin partially obscured by lamp black. The metal cowling is painted black. Across the white rudder stripe is the number R.P.5415 CC to signify that the rudder was made by Ruston Proctor and the dope is Cellon Scheme "C."

05: A camouflage experiment on an **Armstrong Whitworth FK.3**. Roundels on the upper wing are unequal in size, the larger one to port, but each has the same centre point position forward of the aileron root end. All doping codes have been obscured on this "special."

06: **Bristol Scout** 7053 with a synchronised Vickers gun. The rudder part number is marked across the central white stripe, but there is no suffix to identify what was most probably "Raftite" colourless dope on the unbleached linen covering as commonly used prior to introduction of PC.10.



MAY 2022 SQUADRON MEETING

Commander Mike Greenshields kicked things off with an update on the upcoming Warbirds & Classics event. Mike encouraged everyone to come and support the Squadron and to bring a friend. He also mentioned the need for volunteers and passed around a sign-up sheet. There was some general discussion and the usual business items were dispensed with in the usual efficient manner. Mike reminded everyone that bringing something for Show & Tell earns the presenter a ticket for the Christmas Dinner raffle. Following the break, it was time for what everyone *really* came for: Show & Tell.

Larry Wolfe brought along two Guillow's models he's been working on. In building the **Curtiss P-40 Warhawk**, Larry went to extremes to keep the weight to a minimum. This includes reducing the number of ribs, removing some structure from the empennage, thinning the material for trailing edges, fuselage crutches, etc. He also made his own markings from tissue. He's working on balancing the spinner and that should be the last of the work required.



Tim Cardin always has something up his sleeve and this month it was an **Angry Bird Egg**. This model is made by RTC Project, Ltd. in Ukraine and sold through TowerFoam.com. The finished model has a 23" wingspan and weighs in at about 11 oz., depending on battery, motor, and other equipment. Tim flew the model a few days after the Squadron meeting and he described it as "fun to fly and hilarious to watch."



May 2022 Squadron Meeting

Ed McCormick has been providing regular updates on his RAF SE5a and it looks like he's getting near the end. He brought along his "thinking board" that he uses to visualize the features and details he wants to include in the finished model.

He's using the Stits Poly Fiber system to cover the model. He also showed the method he's using to simulate rib stitching.



Jaime Colley brought in the Sopwith Camel project he's been working on. This model was in pretty poor shape when he acquired it from a friend and he's made great progress on getting the model finished. Particular challenges included removing warps from the wings, straightening the overall structure, and repairing the covering. He talked about the challenges associated with getting the colors right.



Sam Wright Memorial Warbirds & Classics Scale Fly-In

Register Now at:

<https://www.scalesquadron.com/warbirds-and-classics-annual/>

Flying, Fun, Food! Friday Night Party, Saturday Night Banquet, Awards, Reserved Pit Areas, On-Site R/V Parking, World-Class Raffle & More! Supporting the USMC Semper Fi & America's Fund.



A DAY AT THE FIELD

New Squadron member, **John Schleif**, decided this was a good day to get a first flight on his **Pilatus PC-21**. This model is from Phoenix Model and has a 70" wingspan. John chose an E-Flite Power 160 motor. He made numerous changes to the model including cockpit detailing and electric retracts. He bought this model a few years ago and finally got around to finishing it.



12-year old **Wyatt Kahl** brought out his **Pitts S-1S**. Despite the blustery winds, Wyatt put on a one-man airshow. When asked if the wind was a problem for a 5 oz. airplane, he said "No, that just makes it more fun." He likes that it's fast, small, and aerobatic. He highly recommends it to anyone with intermediate pilot skills (which he's already attained in his *one month* of flying RC models).



A Day at the Field

Jerry Smith flew his **Mitsubishi A6M Zero** from Phoenix Model. This was the Zero's second flight and it was made "interesting" by the fact that it was a bit tail heavy. Wingspan is 68" and all up weight is about 18 lb. Jerry saw one of these at the field and decided he had to have one. They're out of production so it took a while to round one up but he finally found one for sale about two months ago. This one is powered by an E-Flite 160 motor.



This **F-86 Sabre** from Freewing Model is a favorite of **Lou Van Tilborg**. Lou purchased the model with a high performance fan that he drives with a 6S 5,000 mAh pack. Flying at about 70% throttle provides 3-1/2 minute flights with enough power left over for a few go-arounds. The plane is around 3-1/2 years old. Lou flies it regularly and still loves it. It was recently clocked at 114 MPH.



MONTHLY MEETING NIGHT

**Monday
June 13, 2022
7:00pm**

The June 2022 Meeting is On!

The June meeting will be held two weeks after **Warbirds & Classics** so expect to be informed about how everything went. There will be pictures, stories, and probably a few models that flew at the event. You won't want to miss the opportunity to hear the details first-hand and add your own comments and observations.

Keep in mind that visitors are always welcome so don't be shy about bringing someone. *And remember that anyone with anything for Show & Tell will receive a raffle ticket for special prizes to be raffled off at the Squadron Annual Banquet in December.*

Meeting location is the **Green Valley Adult Clubhouse**. The address is:

**17250 Los Jardines West
Fountain Valley, CA 92708**

Directions from the South:

- From I-405 North, exit at Euclid
- Turn **Left** onto **Euclid** at the offramp
- Turn **Left** onto **Slater**
- Go *past Los Jardines East*
- Turn **Right** at the light onto **Los Jardines West**

The Clubhouse is on the right about a half block past the school on the left.

Directions from the North:

- From I-405 South, exit at **Brookhurst North**
- Merge onto Brookhurst and turn **Right** onto **Slater**
- Turn **Left** onto **Los Jardines West**

The Clubhouse is on the right about a half block past the school on the left.

UPCOMING EVENTS

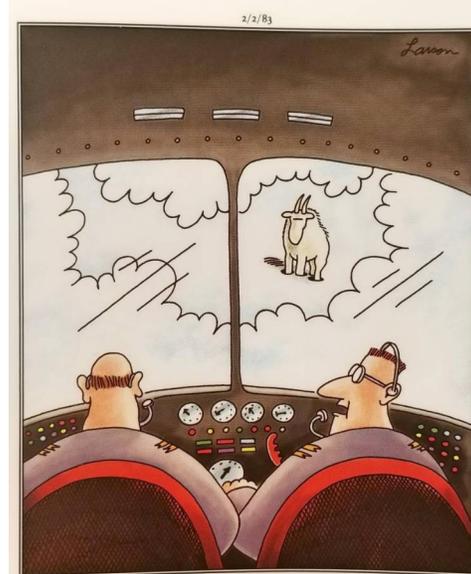
Special Note Regarding Events

A list of upcoming scale events that are easily reachable from Southern California is included here. We encourage everyone to participate in as many of these events as possible in order to show support for clubs that have gone through the same difficulties that the Scale Squadron has experienced recently. Remember that when you attend any of these events, ***you are an ambassador of the Scale Squadron.*** Be sure to mention your affiliation with the Scale Squadron and represent us well! (Also, bring back lots of photos and get them off to **Eric Puchalski** so they can be included in the next newsletter.)

Date	Host & Location	Event & Summary
June 3-5	Scale Squadron OCMA Field	15th Annual Warbirds & Classics World-famous scale fun-fly. All types and sizes of anything that looks like a model of a full-scale prototype (no turbines or drones). \$40 pilot fee for any number of models. RV dry camping available with reservation.
Jul 27-31	Tri-Valley RC Modelers Santa Maria, CA	Central Coast Giant Scale Fly-In Giant Scale ONLY until 1700. Jets & 3D OK. Landing fee \$30 (includes pilots raffle & lunch on Sat) Dry camping \$10 per night. 500 x 50 paved runway, shade canopy, power available in the pits. Santa Maria style BBQ Sat eve. Pre-reg requested.
Aug 6	Hemet Model Masters Santa Maria, CA	Scale Masters Clinic Beginners' workshop hosted by U.S. Scale Masters. Bring your own model & learn skills required to be confident & competitive. \$10 landing fee, includes lunch. Class starts at 8:00am & covers all aspects of model selection, documentation, presentation, briefing judges, flying, etc.
Oct 19-23	Arizona Model Aviators Superstition Airpark, Mesa AZ	2022 US Scale Masters Association Championships Details on this event are a little sparse right now but there should be more information as the event gets closer.

Errors & Omissions:

If you note any errors in any information in this list or the flyers on the following pages, please contact **Eric Puchalski** or any of the members of the Scale Squadron Board of Directors. If your club is hosting a scale-themed event that's not on this list, contact Eric to get the event added to the list. If you have flyers, an informational website, or online registration page we would be happy to include that in this section as well.



"Say ... what's a mountain goat doing way up here in a cloud bank?"

Scale Modelers, Pilots & Fans!

Public
Welcome!

FREE for
Spectators!



AMA Sanction No. 12894

JUNE 3-5, 2022
OCMA IRVINE LAKE AIRFIELD

Sam Wright Memorial Warbirds & Classics Scale Fly-In OCMA Field (Irvine, CA)

Paved 600ft Runway, Friday Night Party, Saturday Night Banquet (Blake's BBQ), Reserved Pit Areas, On-Site R/V Parking & More! In Support of USMC Semper Fi Fund

ENTRY FEE: \$40.00 per Pilot (Scale Aircraft Only)

Includes 3 Days of Flying, Friday, Saturday & Sunday Lunch.

Event T-Shirts Available Online & at the Event.

Free R/V Parking Available (No Hookups, Reservation Required)

Pre-Registration: www.ScaleSquadron.com

Contest Director: [Randy Wilbur](mailto:rwilbur@videotecheng.com) (rwilbur@videotecheng.com)

- ◆ Saturday Night Banquet: \$25.00/person
- ◆ Pit Reservations: \$25.00/pilot (OK to share)
- ◆ AMA membership required
- ◆ FAA UAS registration required & must appear on plane
- ◆ Pilot-supplied fire extinguisher required in each pit
- ◆ No dripping fuel. Must catch & recycle all fuel
- ◆ No Turbines
- ◆ No Hovering or 3D flying

Friday - Sunday, June 3 - 5, 2022



Join us for the
10th Annual



Central Coast Giant Scale Fly-In

July 27th - 31st 2022

Hosted by the Tri-Valley RC Modelers of Santa Maria, Ca.
AMA Gold Leader Club #170

The facts:

- ◆ Landing Fee: Only \$30. Includes 5 days of flying, lunch on Saturday, & raffle ticket;
- ◆ Dry camping for \$10/night, first come, first served;
- ◆ Only Giant Scale planes until 5pm; (Mono 80", Biplanes 60");
- ◆ Proof of current AMA required;
- ◆ Epic Pilot's Raffle on Saturday.

The fun stuff:

- ◆ World Famous Santa Maria Style BBQ dinner on Saturday night;
- ◆ Beautiful Santa Maria weather;
- ◆ Hotels available nearby;
- ◆ 500' asphalt runway and expanded shade cover,
- ◆ Open flying after 5pm;
- ◆ Camping's open July 26 - Aug. 1st

Please call Chuck Barnes at (805)886-7921 or email him
at CDBarnes10@comcast.net to preregister for this event.

2021 Pilots



www.trivalleyrcmodelers.com

We will prepare you for your first scale contest



Open to all a/c types** and power source

SCALE OPEN

SCALE MASTERS CLINIC

HEMET, CA

PLACEMENT ★ PRECISION ★ REALISM

AUG 6, 2022

IMPROVE SKILLS & CONFIDENCE!

Practice Flying In Front of Judges

Bring your favorite scale model and we will teach you additional skills to be confident & competitive



What is Static Judging?

Beginners Workshop

will focus on the entry-level class

Craftsmanship judging available for improving your scores

Landing Fee: \$10

Class Starts at 0800 | Lunch available at 1100

Subjects include: (as time permits)

- Most Often Asked Questions & Misconceptions
- Selecting Best Model Based on Skills and Class Entered
- Preparing Documentation for Model of YOUR Choice
- Learn to Brief Flight Judges & Selection of Flight Maneuvers
- Understanding Relationship w/your Caller
- Score Sheets / Judging Your Model / Contest Flying Basics
- Q&A Session w/instructors, judges, coaches

Learn About the Different Classes:

- EXPERT TEAM
- ADVANCED*
- PRO/AM PRO*
- PRO/AM SPORTSMAN* (*ARFs allowed)
- (**No 3D flying)

AMA Required to fly | Turbines: waiver required

Clinic Run By
U.S. SCALE MASTERS
www.uscalemasters.org

C.D./ Contact: Curtis Kitteringham
cak11@cox.net
(760) 807-5519

Hosted by
HEMET MODEL MASTERS
www.hemetmodelmasters.net

ARIZONA MODEL AVIATORS

PROUDLY PRESENTS

U.S. SCALE MASTERS ASSOCIATION

41st



2022



National Championships

Model Aviation's Most Prestigious Annual Event



Reigning Grand Champion

LTV A-7 Corsair by Chris Wolfe

Mesa Arizona

October 19 - 23

*Spectators
Welcome!*



At Superstition Airpark Meridian rd. & Levee dr.

R/C Scale Contest

Pilot's Compete for Prizes and National Recognition

Tim Dickey - tdickey2@icloud.com | Paul Goldsmith - pt19nut@aol.com
480-540-7553 602-323-7753

www.usSCALEmasters.org

www.azmodelaviators.com

Advancing & 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 Scale Squadron members.

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 well outperform that of its full-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 everyone wants to make a scale masterpiece. That's OK, too! Whatever pleases you is what counts. Whether you are kitbashing, volunteering at charity aviation events, or making molds from scratch for Scale Masters or AMA National Championship competition 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

second Monday of each month at:

Green Valley Adult Clubhouse
17215 Los Jardines West
Fountain Valley, CA.

Meetings start at **7:00PM** and last about 2 hours.

Our meetings throughout the year include the usual club business as well as Member Show & Tell, Modeling How-Tos, 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. Visitors are always welcome. All members and visitors alike are encouraged to bring their latest scale models and projects!



JOIN US!

Membership Requirements

Membership in the Scale Squadron is open to all Academy of Model Aeronautics (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 AMA membership card, your FAA Small UAS Certificate of Registration, and receipt of Scale Squadron membership dues.

The Scale Squadron Board reserves the right to deny or delay new membership approval.

Membership Benefits

Membership in the Scale Squadron includes:

- ◆ A subscription to the *Scale Dimension* monthly online newsletter.
- ◆ Squadron membership card and name tag.
- ◆ Advance notice of scale aircraft events.
- ◆ Annual Holiday Banquet for members and one guest.

Membership Meetings

Meetings are the second Monday of each month at 7:00pm. The December meeting includes the Annual Holiday Banquet and raffle drawings for anyone who presented a topic at any of the monthly meetings.

See the *Who We Are* section of this issue for details on the meeting location.

How to Join

If all this sounds like something you would like to be a part of, you can join us in a couple ways:

1. See the last page of this issue for a membership application. Fill out the form and submit it along with the required supporting documents.
2. Use the [Online Form](#) on the Squadron's website to provide basic information and pay the membership dues. A copy of the online form will be sent to you via email. Print this out and submit it with the required supporting documents.

How to Submit Your Application

All membership application submissions must include:

- ◆ A hard copy of the membership application form
- ◆ If the membership dues were not paid online then include a check for \$30.00 made payable to "Scale Squadron." Dues are not prorated if you join after January 1.
- ◆ A photocopy of your AMA membership card
- ◆ A photocopy of your FAA Small UAS Certificate of Registration

Mail these to:

Scale Squadron Membership
PO Box 8074
Fountain Valley, CA 92728

You will receive your membership card and instructions for how to obtain your key to the OCMA field by return mail in about a week.

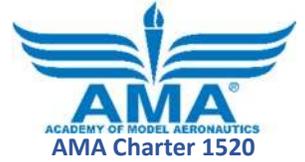


SCALE SQUADRON OF SOUTHERN CALIFORNIA

THE SCALE SQUADRON
OF
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.