

THE SCALE SQUADRON
OF
SOUTHERN CALIFORNIA



Founders of the
US Scale Masters Championships

SCALE DIMENSION

Official Newsletter of the Scale Squadron of Southern California

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



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On the Cover

1. P-47 Thunderbolt flown by Nathan Stone about to grease another perfect landing.
2. William Vincent's Pitts Special S2 setting up for landing.
3. Frank Baker's Saab JAS 39 Griffin just settling in after another sortie.



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Sam Wright Commander

Make Model Aviation Great Again

Welcome to 2022 with caution. The Pandemic is still around, and I have had many friends, fellow workers and some relatives who have come down with the aching, pain, fever and all that. So, it is no wonder everyone is approaching the new year with caution.

So far, I haven't heard that it is in the air so being outside in this chilly weather is probably a safe bet. That means if you're out flying, you may be safer than inside where people are confined.

I hope everyone had a wonderful Christmas and New Year's. I know the time off was great.

I was at the OCMA field Thursday early afternoon and only four people were there with two flying. The field is greening up from the rain and looking beautiful, so I hope you will enjoy it. I will see most of you this **Saturday, January 8, 2022** for the first **OCMA Safety Meeting** to get safety stickers on our badges and the new gate key. (If you miss Saturday, you'll have another chance on Sunday, January 9.)

I have heard on a positive note that everyone enjoyed our annual **Christmas Party**. The food was great and thank you **Mike Greenshields** for that great dinner selection. **Joni Whitsett** and

Cyndy Wolfe for the great deserts and **Gordy Truax** and **Larry Wolfe** for the refreshments. Lots of raffle prizes and even goodies for the ladies. It was a great evening, and I couldn't be prouder of our Scale Squadron.

There are events on the horizon with **Winter Warbirds** in Arizona this month. I am planning on rolling the RV for that one. I hope those of you flying will venture out this year to different fields and clubs to enjoy the experience of our great hobby with others.

On a final note, congratulations to **Greg Stone** for becoming the new **District 10 Vice President**. I know Greg is excited and he is a mover and shaker so for the AMA and District 10 this is great news.

If you haven't renewed your Scale Squadron membership, you can do that online with PayPal.

Dues remain at \$30.00 and after that great Christmas Bash, the dues are certainly encouraged and helps get our treasury back on target for this year until our **Warbirds & Classics** event in June.

I will see all your happy smiles at the meeting and be sure to bring those projects for Show & Tell.

Stay healthy and fly something!

Sam

Sam Wright, Commander
Commander@ScaleSquadron.com

A Little R/C Humor...

The bride came slowly down the aisle, arm-in-arm with her father, until she reached the altar. There stood the groom, with a model airplane and flight box near his feet.

"What are those doing here?" she angrily demanded.

Surprised, he looked her right in the eye and said. "Why? This isn't going to take *all* day, is it?"

EDITOR'S NOTES

Happy New Year, everyone! I hope your holidays were everything you were expecting and you're all stoked up and ready to take on 2022.

There was a lot going on in December. Living in Southern California has its advantages this time of year. Black Star Canyon can definitely get little chilly in the winter but it's nice to not have to worry about snow, ice, and those other pesky weather conditions that the rest of the country has to adjust to. Even in non-drought years it's a pretty rare day that the field is rained out.

Having an active and engaged membership is also a plus. I can't think of a time when I've been to the field and no one else was there. I, for one, am looking forward to lots more flying and enjoying to company of other OCMA pilots. There are also a whole bunch of events coming up that should keep pretty much everyone busy.

OCMA Field Rules

Speaking of OCMA, I was talking with **Tim Cardin** a while back and he was lamenting on how so many flyers do some pretty odd things that are in violation of the OCMA field rules. This includes lots of minor and major infractions. Tim reminded me that, although OCMA has a great relationship with **Orange County Parks & Recreation**, there are no special privileges granted because of that relationship. There is a real possibility that infractions of the rules could lead to the loss of flying privileges for individuals or even loss of the field entirely. I have to admit that I was a bit confused by some of the rules (there are six pages of them) so I suggested to Tim that we include some information on the rules and why they're there. Take a look at **Page 16** for my first installment on this subject.

OCMA Safety Meetings

Don't forget that OCMA changes the locks on the field gates every year. To get your new key you must attend one of the upcoming safety meetings on **Saturday 01/08/2022** and **Sunday 01/09/2022 at 9:00am**. If you miss these you'll have to contact OCMA to arrange for a special safety briefing and key exchange.

OCMA Toys for Tots Event

The **Toys for Tots** event at OCMA was a huge success. There was no registration so it's not possible to give an exact number of pilots and planes but it was *definitely* a full house. If you



Eric Puchalski
Newsletter Editor

couldn't make it to the event this year you'll get an idea of what you missed beginning on **Page 5**. It's never too early to start making plans to be there next December.

New Tools

One of the things I thoroughly love about this terrific hobby is the chance to try out new tools on old problems. I recently purchased a new tool to help me get my little bits and pieces organized and I talk about it on **Page 16**. Now if only someone would invent a tool that would clean up my shop for me between projects.

Scale Squadron Holiday Party

I finally made it to my first ever Scale Squadron Holiday Party. It was a *lot* more than I expected. It was great to see everyone in a casual setting and the raffle prizes certainly didn't hurt. This event will definitely have a permanent spot on my December calendar. Take a look at the story on **Page 18** and you'll see what I mean.

Fw 190 A-8 Project

I didn't make much progress on this project in December. I have the usual excuses: holidays, parties, family, colds, trips, blah, blah, blah... Bottom line is that I made some progress but not enough to write about. I expect that to change in January.

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2022 OCMA TOYS FOR TOTS EVENT

by Eric Puchalski

The 2022 OCMA Toys for Tots event is in the books and if it wasn't a record-breaker, it came pretty darn close! This annual event is hosted by OCMA and is open to anyone flying any type of aircraft. This is a *very* worthwhile event and OCMA regularly collects *tons* of stuff for the **Toys for Tots** program. Last year alone, Toys for Tots delivered over 20,000 toys to nearly 10,000 families in Orange County.

This year the event was held on Saturday December 11. The weather turned out to be beautiful for the entire event. The capricious winds we normally get in the canyon decided to go somewhere else for a change. The sun was out and temperatures were in the mid-70's.

This is not an officially sanctioned AMA event and there were no pilot registrations, typical entry fees, or a CD. Everyone was asked simply to bring a new, unwrapped toy valued at around \$20. Cash donations were also accepted.

As always, OCMA popped for lunch for all pilots and their ground crews. Lunch included grilled hot dogs, sides, and cookies for dessert.

When all was said and done, participants had donated well over 100 toys and several hundred dollars in cash. All in all, this was an excellent showing and OCMA, the event organizers, and everyone who took time to come by and participate should be immensely proud.

Parking wasn't a problem, even without the usual contingent of parking directors. Good thing there's plenty of overflow space.



A Note on the Photos

There was a lot going on and I wanted to get a little flying in myself. People started packing up shortly after lunch so even though I took a lot of pictures, I didn't get to talk to everyone. Some of the following pictures show some terrific airplanes but unfortunately I didn't get all the specs on all of them. And since there was no registration, I can't match all the airplanes up with all the right pilots. Sorry for the gaps but drop me an email if you can fill in some of them.

Joni Whitsett and **Randy Wilbur** were everywhere and they worked hard to make sure everything came off flawlessly. They also hosted and played chef for lunch. This event would not happen without Joni and Randy.



Check out the toy haul! This is what it was all about. **Greg Stone** oversaw the packing up and he estimated around 100 toys total.



2022 OCMA Toys for Tots Event

There was no pilot registration so we'll never know exactly how many people participated. But we can safely say there were dozens of pilots and at least 100 airplanes of all kinds including basic trainers, competition scale models, sailplanes, and more. There were several people who took the opportunity to hook up the buddy boxes and get some training in.



12-year-old **Makenzie** getting some buddy box time with grandpa **Harry Middleton** on an **Aero Scout**. Harry says there's not much for him to do but take off and land—Makenzie does the rest! Makenzie had only flown a few times but she really enjoys it plans to keep at it until all Grandpa has to do is drive her to the field.



2022 OCMA Toys for Tots Event

Unfortunately, I didn't get the pilot's name but this very nice **Fairchild Republic A-10 Thunderbolt II** (AKA "Warthog") was flown FPV. This looks like the FMS ARF driven by twin 70mm ducted fans. It was redone in the "Arctic Thunder" livery from Callie Graphics and looked great in the air.



Steve Hannah flew his interesting **BJ Craft Eternity** precision aerobatic pattern plane. What makes Steve's different is the contra-rotating propeller system. Steve has been flying pattern for 30+ years and the Eternity in this configuration for about three years. He says it's a very smooth and stable flyer and he likes it a lot.



2022 OCMA Toys for Tots Event

I didn't get the names of these guys either but they brought along a pair of electric-powered eagles—the bird kind, not the F-15. Once airborne these looked like the real thing (at least they did to my tired old eyes). At one point, while thermalling around they were joined by a couple of the local turkey vultures.



Gene Serrano is an expert sailplane and classic pattern flyer. Here he's launching his **YODA F3K** discus-launch glider. It's amazing to watch this as he can get up to 200' of altitude on the launch. Thermals weren't the best this day but Gene still got in a lot of good flights.



Oldie-but-goodie **Kadet Senior** belonging to your editor. Rudder and elevator control, 84" wingspan powered by a NOS Magnum .52 2S glow engine.



Unknown pilot greasing a landing with a .30-size basic trainer. There were a lot of similar airplanes out for this event.



2022 OCMA Toys for Tots Event

Jaime Colley had finally “finished” the **Curtiss P-40 Warhawk** that he's been showing progress on for the past couple months. The model turned out very nice and it looks terrific in the air. As we all know, scale models are never really finished but Jaime decided it's finished enough and he's ready to move on to something else.



This **Republic P-47 Thunderbolt** was flown beautifully by **Nathan Stone**. I didn't get the specs on the airplane but it's a large model that looks great in the air. Nathan is a very accomplished pilot and knows how to make a model look like the real thing in the air.



2022 OCMA Toys for Tots Event

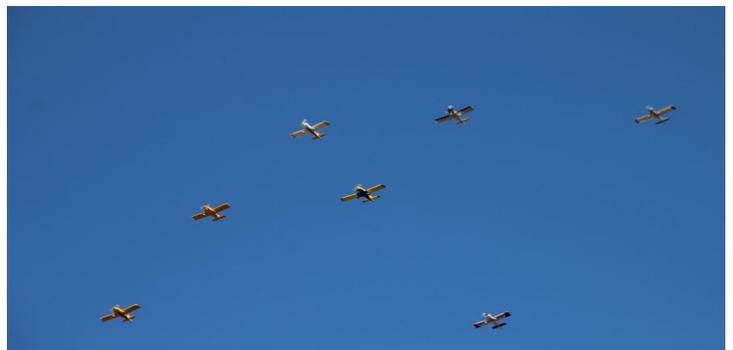
Harry Middleton, assisted by granddaughter Makenzie, prepping Harry's **North American P-51D Mustang "Blondie"** for a flight. This is a Top RC model spanning 89" and powered by a DLE 55. Harry has been flying this model for about two years and he really likes the way it performs.



William Vincent with his 55" **Pitts Special S2** from FMS. William has had this model since August and he thoroughly enjoys flying it. The battery is somewhat larger than it needs to be for the weight and size of the airplane but William is very good at throttle management and can get eight minute flights.



A surprise flyover by a formation of seven full scale **Van's Aircraft RV** aircraft out enjoying the beautiful weather.



2022 OCMA Toys for Tots Event

Frank Baker brought a couple airplanes including his **Saab JAS 39 Gripen** (Griffen). This particular model includes a vectored thrust system that Frank says can provide an “interesting” flight envelope. The model uses an 80mm EDF for power which provides about three challenging minutes of fun.



Brian Young flew his 1:5 scale **Mitsubishi J2M Raiden** (code named “Jack” by the Allies in WWII) with his usual skill and attention to scale performance. The model runs a DA 85 that moves it along at about 130MPH. Brian says this roughly conforms to a full-scale speed of 370MPH. The model is about three years old and won awards at last year’s Warbirds Over the Rockies event.



Sam Wright’s E-flite Air Tractor which is a model of the full-size Air Tractor AT-502B AG plane.



2022 OCMA Toys for Tots Event

...and there was *plenty* more:



HOW TO PAINT A CHECKERED PATTERN

by Jaime Colley

[Ed. Note: This is Part 1 of a two-part article where master detailer Jaime Colley explains how he produces some of the more complex painted details on his airplanes. In Part 1 Jaime will demonstrate the basic process of making a paint mask using off-the-shelf materials and using it on a flat surface. In Part 2 he will expand on the basics to show how to apply a paint mask to complex contoured surfaces like cowls and tail feathers.)

Complex repeating graphic patterns, like Checkers or Lozenges, are challenging to paint. The paint masks for these patterns are made of multiple disconnected items, with corners that touch, and edges that are aligned (**Image 1**).

To me, cutting all the individual squares, and then transferring them, one-at-a-time, to a curving, non-square surface like the tail feathers of an airplane seemed like a recipe for frustration, and despair. It would take *forever*, and I *knew* I would never be able to get them straight across the entire area, and that would be a *bad thing*.

Instead I borrowed a technique used in the world of craft stenciling. It basically consists of cutting the complex pattern you want to affix (in my case, the entire mask) on a stable surface, so the parts of the pattern don't shift, and then transferring the entire pattern *as a unit*.

In order to accomplish this, I needed a mask material that would be sticky, but not too sticky, so it could be moved from one surface to another. It turns out that there is a vinyl material called **EasyLiner**, which is used to line shelves and has a non-permanently sticky backing (**Image 2**). As an added bonus, it comes in multiple colors and patterns as well as in a transparent version.

I found it at Walmart, and for a few bucks you get yards of the stuff, enough for multiple projects.

In my project I used the white vinyl for the masks so I could see what I was doing, and I stuck it to a cutting mat. An alternative to using the cutting mat could be a plate of glass. You need something rigid so you can cut the pattern accurately. I then printed the checker pattern and I taped it right over the vinyl (**Image 4**).

Next, carefully using the checker pattern as a guide, I cut through the vinyl on the mat (**Image 5**). When making the cuts, I used a sharp knife, and made sure I cut all the way through the vinyl on the first pass for each cut, otherwise I ran the risk of not getting a clean mask pattern. After all

Image 1: Classic checkered design consisting of crossed horizontal and vertical lines that form equally sized tiles.

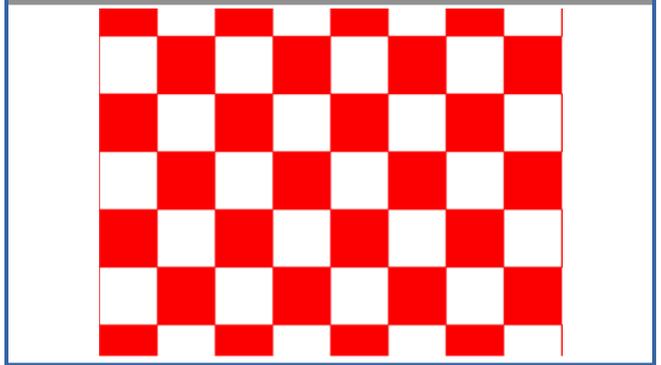


Image 2: EasyLiner material.



Image 3: Attach a piece of mask material to a cutting mat or other solid surface.



Image 4: Print your pattern and attach it to the mask material.



How to Paint a Checkered Pattern – Part 1

the cutting is done, and paper over the vinyl basically falls away, I removed any of the remaining paper and tape, leaving only the cut vinyl on the mat. Then, before I did anything else, I clearly marked the parts of the vinyl I needed to keep for the mask, and the parts I needed to remove (**Image 6**).

From here on out, I make extensive use of the two tools shown in **Image 7**.

You are probably familiar with the razor scraper, but maybe not so much with the weeder. The sharp, angled steel claw, the weeder, comes to us from the vinyl stencil crafting world, and it is used to remove the extra parts of vinyl which are not part of the mask's pattern. You can find this tool in Walmart, Target, Hobby Lobby, etc., in the vinyl craft section of the store. I use the scraper to carefully lift corners of mask pieces, and I use the weeder to remove the pieces I don't need without damaging those I do need (**Image 8**).

OK, now I have the mask pattern I want (**Image 9**), next I need to transfer it whole in one step. In order to do this, I'll lay a piece of clear EasyLiner over the entire mask (**Image 10**), this will allow me to (carefully) lift the entire mask as a unit. This where the razor scraper comes in handy (**Image 11**).

The piece of vinyl that holds the pieces of the mask is called the "transfer tape." I next use the transfer tape to place the mask where I need it to go (in this case a test piece of foam), and I press down on the masks pieces to make sure I get good adhesion to the foam. As, I pull away the transfer tape (**Image 12**), I keep pressing down on the mask pieces, to make sure they don't release along with the transfer tape. If all goes well, the mask transfers successfully, with all the corners touching, and the edges straight!! (**Image 13**)

Finally, a bit of spray paint (**Image 14**), wait until the paint has fully dried, remove the mask pieces, and now I have a painted checker pattern! (**Image 15**)

OK, so this was an easy piece, it is flat,



Image 5: Cut through the printed pattern and mask material



Image 6: Identify and mark the parts of the image mask to be removed.



Image 7: Razor scraper and weeder tool used to prepare the final paint mask.

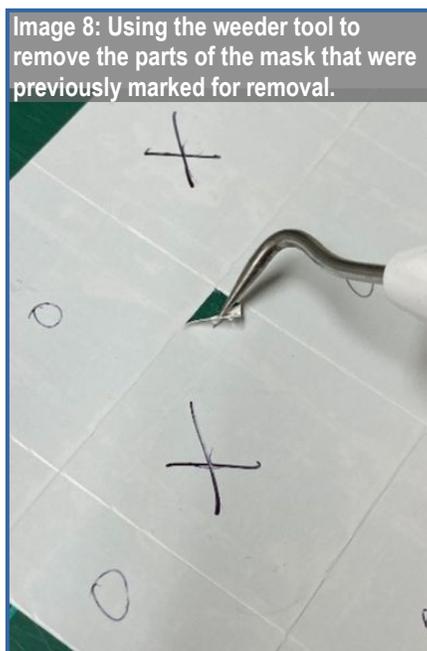


Image 8: Using the weeder tool to remove the parts of the mask that were previously marked for removal.

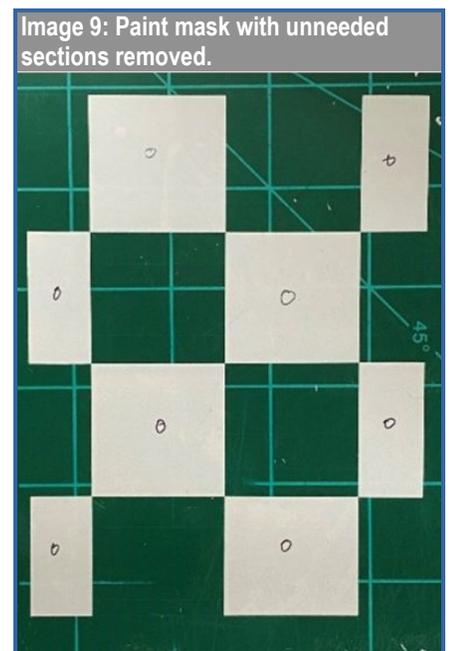


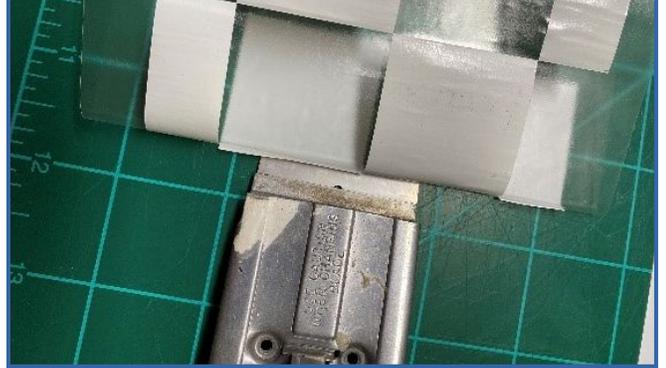
Image 9: Paint mask with unneeded sections removed.

How to Paint a Checkered Pattern – Part 1

Image 10: Cover the entire paint mask with EasyLiner to hold all the pieces in place for the next steps.



Image 11: Use the paint scraper to carefully remove the entire paint mask and transfer tape.



with straight edges. In order, to deal with three-dimensional contoured surfaces, like the tail surfaces of a P-40, we need to do something extra. Instead of a single piece of transfer tape, we need something that will bend without creasing; we need a *Transfer Web!!*

Next month I will show you how to expand on the basic process I have described here to make a paint mask that you can use to transfer your design onto all the curved surfaces we normally see on our airplanes.

About the Author

Jaime Colley has been building both balsa and plastic models for 50+ years; since he was six years old. He claims that some of his early model planes actually flew... for a bit. After college he designed, built, and flew electric-powered R/C gliders, flying wings, WWII scale, and other models. Like most of us, he took a hiatus from the hobby for family, work, and endless house remodels. When he came back to modeling, he worked on electric R/C ultra-micro WWI airplanes (Fokker D.VIIs and Spad XIII)s. The ARF phenomenon has provided an opportunity to start detailing WWI and WW2 aircraft, including Spad XIII)s, P-47s, P-51s, Corsairs, and his latest, a 1100mm P-40 which he totally redid in a scheme that required a checkered tail, which inspired this article. Jaime considers an out-of-the-box ARF as a canvas rather than a ready-to-fly model. He thoroughly enjoys learning new ways to make his models more realistic and he enjoys sharing what he has learned.



Image 12: Slowly remove the transfer tape while making sure the bits of masking material remain in position.

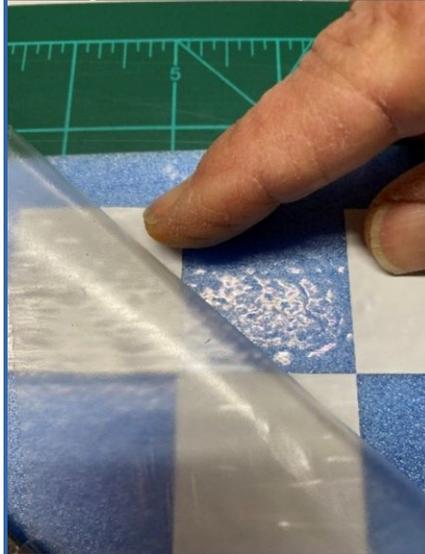


Image 13: The finished paint mask applied to the work piece.



Image 14: Applying paint to the masked surface.



Image 15: There you have it: A perfect checkered pattern.



A NEW GUAGE FOR A NEW YEAR

by Eric Puchalski

You don't hear much about New Year's Resolutions these days but here's one that all us modelers trot out about this time of year: *I'm going to get that shop cleaned up and organized!* Personally, I have my hands full just keeping my own workspace usable so I won't be able to help you with yours. But read on and I'll offer a suggestion for one thing that's helped me a lot.

We all have one of these (**Photo 1**); a box full of random nuts, bolts, screws, fittings, etc. that came off of broken projects we've taken apart, toys that didn't survive their repair surgeries, or things we find under the bench when we're looking for something else. It's just a bunch of stuff that needs to be sorted out and put away before it will become useful. (And the only reason we save it is because we know that someday it *will* be useful.) I don't know about you but I usually have *lots* of other things to do rather than go through this stuff and put it away.

I've long thought it would be great to have a tool ready to hand that would simplify classification of the standard stuff (screws, nuts, bolts and washers) which would mean I would only have to think about the really oddball items. I envisioned a tool that would be simplicity itself—probably just a piece of lite ply with a bunch of screws threaded through it and corresponding hex nuts glued on would do the trick.

I was at my friend **Jack Guiso's** house a few weeks ago and he had this device sitting on his bench (**Photo 2**) that looked suspiciously like exactly what I had in mind. I checked that my foil hat was solidly in place and no one could have stolen the idea directly from my brain. Then I decided to believe Jack when he said he got his from **Micro Fasteners**. (Which was pretty easy to fact-check since "Micro Fasteners" was laser-etched right into the plywood). I was kinda bummed that someone else had had the same idea as me and then had the audacity to actually do something about it, but I'm pretty much over it.

When I got home I went to the Micro Fasteners website and there it was: **Screw & Nut Gages - Metric & Standard**. The cost for both the metric and SAE tools was only \$15.00 plus a few bucks shipping, so I went ahead and ordered a set.

I have to admit that Micro Fasteners did a very nice job on these. The metric tool has nine screw and nut sets ranging from M1.5 to M6 while the SAE tool has 12 sets from 0-80

Photo 1: Everyone has one of these used hardware purgatories, right?



Photo 2: To the rescue! Micro Fastener's Metric & SAE ("standard") Screw & Nut Gauges.



Photo 3: From this...



Photo 4: ...to this in about 20 minutes!



A New Gauge for a New Year

through 1/4-20. There is also a length gauge etched into the plywood that makes it easy to quickly check the length of a screw.

So, since I have a pile of oddball nuts and bolts and stuff to sort out, I figured I'd give the new tools a try. I'm pretty happy with the result: I went from the pile of stuff shown in **Photo 3** to a neatly sorted bunch of piles (**Photo 4**) in about 20 minutes. The gauges can only be used to sort machine screws, of course, but by getting those out of the pile, I was able to make short work of the rest. Also, by actually testing each screw and nut I was able to keep the M3's from finding their way into the pile of very similar 4-40's.

All in all, I have to say that I really like these gauges. Even though I didn't personally make them, I've forgiven Micro Fasteners for taking my idea and making something useful of it. It's nice to know it really was a good idea.



Photo 5: A "three-fer"! M4 blind nut, washer and cap screw all classified in one step.



OCMA Field Rules -

It's important for everyone who flies at OCMA Field remember that our ability to use the field there is not a right, but rather a privilege granted at the discretion of the **Orange County Department of Parks & Recreation**. Everyone who uses the field must be aware that the field rules are not in place to prevent anyone from enjoying this wonderful hobby. Rather, the rules are in place to satisfy requirements put in place by OC Parks & Recreation. The following is the first in a series of discussions on why certain rules are in place.

Rule 2C(b): *If multiple pilots are flying, in the fixed wing area, pilots should fly the "race track pattern" or clockwise circuit around the field after takeoff, or counterclockwise depending on which way the wind is blowing. Pilots practicing "Pattern Flying" usually fly in a box, "back and forth" pattern, so be aware of them.*

Applies to: Anyone flying from the main runway; does not apply to rotary aircraft or drones flying in the rotary-wing section of the field.

Purpose: Unless a special event is going on (scale contest, pattern event, pylon races, etc.) the field is usually used by average sport flyers with some of them practicing skills other than sport flying (pattern, scale, 3-D, etc.). Most of these pilots tend to follow a normal clockwise or counterclockwise pattern (depending on wind conditions). The purpose of this rule is to ensure that random aircraft don't show up unexpectedly in unlooked-for locations, thereby causing a serious distraction for other pilots.

Consequence: Ignoring this rule can have multiple consequences. Worst case, a mid-air collision will ruin everyone's day. Aside from that, those who are practicing specific exercises will have their focus and concentration interrupted resulting in wasted time. And finally, it will make the offending pilot look like an amateur who needs to go back to basic flight training.

Penalty: Repeated verbal warnings about violations of this rule can result in the loss of field privileges for the person ignoring the rule. Field Safety Officers are empowered to retrieve the OCMA member card and key from anyone who repeatedly and intentionally ignores this rule.

SQUADRON 2021 HOLIDAY PARTY

by Eric Puchalski

Traditionally, the December Squadron meeting is set aside for the annual **Scale Squadron Holiday Party** and the December 2021 meeting was no exception. Squadron members and their guests got together for an evening of hanging out and enjoying the food and company—and of course the annual Show & Tell Raffle.

Commander Sam Wright was in charge of selecting the raffle prizes for the guys and there were plenty of prizes to hand out (**Photo 1**). The ladies in attendance weren't ignored either (as if they *could* be). **Lisa Taylor**, who has made gift baskets for every Christmas Party for the last five years came through in style again. The ladies had their own separate raffle that included several of Lisa's handmade gift baskets (**Photo 2**).

Mike Greenshields organized the dinner menu which came from **Stonefire Grill** (**Photo 3**). There was something for everyone with steak, chicken, and all the usual sides.

It wouldn't be a Holiday Party without dessert and **Joni Whitsett** and **Cyndy Wolfe** came through in that area in a *big* way (**Photos 4 & 5**).

Gordy Truax and **Larry Wolfe** demonstrated that they have a particular knack for setting up a very nice bar. They included the typical soft drink options as well as a full range of adult beverages. There's nothing like a very complete (and *open*) bar to help ring out the old and ring in the new!

Photos 6 through 10 will give you an idea of the size of the crowd and how they were enjoying themselves.

Sam recognized the 2021 **Squadron Board of Directors** by making up some very cool, personalized plaques. Assisted by his wife, **Nancy**, he provided some gracious comments as he introduced each director and presented them with their plaques (**Photos 11 & 12**).

Photo 1: There was no lack of prizes for the Show & Tell Raffle.



Photo 2: A very nice selection of holiday-themed gift baskets went to the ladies in attendance.



Photo 3: There was no excuse for anyone to go away hungry.



Photo 4: There were plenty of goodies to satisfy everyone's sweet tooth.



Photo 5: Check out the custom paint job on that cake!



Squadron 2021 Holiday Party

Nancy and Sam Wright are *long-time* supporters of all things Scale Squadron. Sam and Nancy emceed the entire evening and oversaw the general organization of the event.

All in all, it was a terrific evening and everyone who attended had a great time. In addition to the general program and Show & Tell Raffle, pretty much anyone who wanted to take home leftovers was able to do so. As always, squadron members weren't shy about chipping in to help with setup and take down. Tables, chairs, and decorations appeared and disappeared as if by magic. In these goofy times where we're never sure from day to day whether we'll even be able to put on an event like this, it's nice to see it come off flawlessly.

**Happy
Holidays,
Everyone!**
We'll see
you all
next year!



Photo 6: People enjoying themselves.



Photo 7



Photo 8



Photo 9



Photo 10



Photo 11: Sam and his wife, Nancy, emceed the entire evening, including the raffles and Board awards..



Photo 12: Sam Wright presented recognition awards to the 2021 Squadron Board of Directors.



MONTHLY MEETING NIGHT

**Monday
January, 10
7:00pm**

The January 2022 Meeting is On!

The first Scale Squadron meeting of the 2022 will be help on schedule. We're looking forward to seeing everyone and checking out all the new toys that came in over the holidays. Whether you're a recent addition to the Squadron or an old pro, you won't want to miss this first meeting of the new year.

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
Jan 15-16, 2022	Coachella Valley RC Club Thermal, CA	10th Annual Desert Warbirds Event open to all warbirds and Golden Age aircraft, including turbine jets with waiver. \$30 pilot fee (includes both days). Awards on Saturday, open flying on Sunday. Proceeds help benefit our wounded veterans. Grab your warbirds and join us!
Jan 24-26, 2022	Sun Valley Fliers Phoenix, AZ	Winter Warbirds 8 Warbirds of all eras in military schemes will be flown. WWI to modern jets, static & performance awards for all eras.
Feb 19, 2022	Pomona Valley Model Airplane Club Chino, CA	Eliminator Air Racing This event will be our opening event of the 2022 Eliminator Air Racing Series. We will be featuring 3 classes. An entry level "Run What You Brought" class, Warbird Silver – the most competitive class, and Warbird Gold – the fast class.
Mar 18-20, 2022	One Eighth Air Force Mesa, AZ	Gunsmoke 2022 Overnight parking available Thursday - Saturday night, call to reserve a spot. Trailers can be left overnight, security by club. All classes will be judged. \$40 entry. Static Friday - Saturday AM

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.

Remember the Microhenrys...



GunSmoke 2022

A Scale Masters Qualifier

Hosted by the One Eighth Air Force March 18, 19, 20, 2022

Competition in 5 classes

Expert, Team Scale,

Advanced, Pro Am Pro,

Pro Am Sportsman

+++++

Friday: Static Judging

10AM to 3PM

Late Arrival Static Judging

Saturday 8:00 AM.

Sat & Sun: Flight rounds

8:30AM to 3PM

+++++

Awards Ceremony Following the Flight Rounds

Sunday

Entry Fee: \$40

Spectator Parking \$6.00 per Vehicle

Overnight Parking available by

Reservation, Thursday, Friday & Saturday night

ONLY

Food at Concession Stands

available Sat & Sun

Pizza & Wings Friday Night

+++++

Contest Director: Paul Goldsmith 602-323-7753 PT19Nut@aol.com

Asst. C. D. Noel Hunt 586-799-3041 rcstrutter@gmail.com

1/8 TH Air Force Commander: [Jim Spice](mailto:JimSpice) 224-374-2696 coptercptn@gmail.com

John Geyer 1/8 TH Air Force Liaison: 602-810-1767 jegever@centurvlink.net

www.uscalemasters.org + www.oaaf.org +

www.azmodelaviators.com



F4B

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.

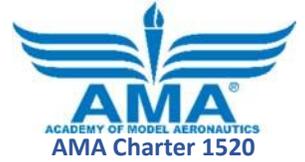


SCALE SQUADRON OF SOUTHERN CALIFORNIA

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.