



# SCALE DIMENSIONS

THE OFFICIAL NEWSLETTER OF THE SCALE SQUADRON OF SOUTHERN CALIFORNIA

AMA CHARTER 1520 - EST 1977

SCALESQUADRON.COM

November 2017



Tim Cardin enjoying a flight at the Fall OEAF fly-In with "Songbird"

## Commander's Corner

By: Mike Greenshields

November is all about Thanksgiving, the Turkey day, the day for pumpkin pie, when family and friends watch football and for many, enjoy a 4 day weekend.

Thanksgiving is incomplete without the "Thanks" part. The newsletter is my chance to give some thanks too.

We get together each month and talk about planes, share stories, get some modeling motivations, and enjoy some great comradery. Just wanted to give thanks to all you guys and your support of the club, modeling, the field, and each other. What other activity gives you the chance to set aside daily distractions and focus on the pure joy of modeling. And to do with friends is an uncommon gift.

We'll soon have a new (or somewhat new) board, a new AMA show, a new June event, and the chance for many more good-times, good-adventures and good fun. So, as the end of 2017 draws near, let's get those projects finished (or started) and let's have a fun holiday season and a strong start to 2018!

### AMA SHOW

We again have 2 booths. We'll need planes, displays, and help setting up Thursday and Friday morning, manning the booth Friday, Sat, and Sun, and tearing down Sunday night. A volunteer list will be coming around!

**AMA CONTEST ENTRY?** Do you have a scale model, ENTER IT!!!! I know most of you have some beautiful scale airplane, bring it out and enter it at the show!  
SETUP JAN 4, SHOW 5/6/7

**CHRISTMAS PARTY = FUN!!! BE THERE OR BE SQUARE!**

**WE HOPE YOU AND YOUR SIGNIFICANT OTHER WILL BE THERE DEC 11!!!**

We have the party in the same room and it's free!!!! Other clubs charge 25 dollars or more per person, you've all worked so hard all year, it's free for members and their wives/girlfriends/significant others.

Happy Landings, Happy Thanksgiving!

-Mike

## Inside This Issue

- Commanders Note
- Event Calendar
- Event Flyers
- Tips From the Bench
- About The Scale Squadron

## Event Calendar

### Toys 4 Tots FUN FLY - PVMAC

December 3, 2017  
Chino, CA

### Warbirds in Arizona

December 1-3, 2017  
Mesa, AZ

### OCMA Toy Drive

December 9, 2017  
Silverado, CA (OCMA Field)

### Squadron Christmas Party

December 11, 2017  
Fountain Valley, CA

### AMA Expo

January 5-7, 2018  
Ontario, CA



# Members In Action



Tim Cardin and Sam Wright with their aircraft on the flight line at the Fall One Eighth Air Force Fly-In. It was reported that the event was amazing, as always and the trophies were over the top. Tim brought his Cessna Bobcat known as "Songbird". Sam brought his highly detailed Horizon Hobby T-28, with a Vietnam era scheme.

## 2017 Warbirds and Classics Sponsors

### E-Flight

### John Wayne Licensing

**Wings West** (they sponsored the pilot numbers! THANKS!)

and several club members and guests including:

### Mike Greenshields

### Sam Wright

**Gary Glasband, DDS Gentle Dentistry (562)425-5511**

**Scott Whyte** (he may need some new planes, we think he donated most of his garage!)

**Paul Timpano - San Gabriel Valley Flyers**

**Pano Coromelas** - P.A. System for our events.



**THANK YOU to everyone who made this happen so pilots from all over the southwest could fly and have a great time!**



# Christmas Party

20  17



*Monday December 11*

*6PM SHARP!*

*Green Valley Adult Clubhouse*  
*17250 Los Jardines West, Fountain Valley, CA*

*Free to members and their guest*

*RSVP BY DEC 6TH TO Ed Woodson*  
*Phone: (714)545-8791 Email: SEULBERGER@SBCGLOBAL.NET*

*❄ Awards ❄ Food*  
*❄ Drinks ❄ Music*



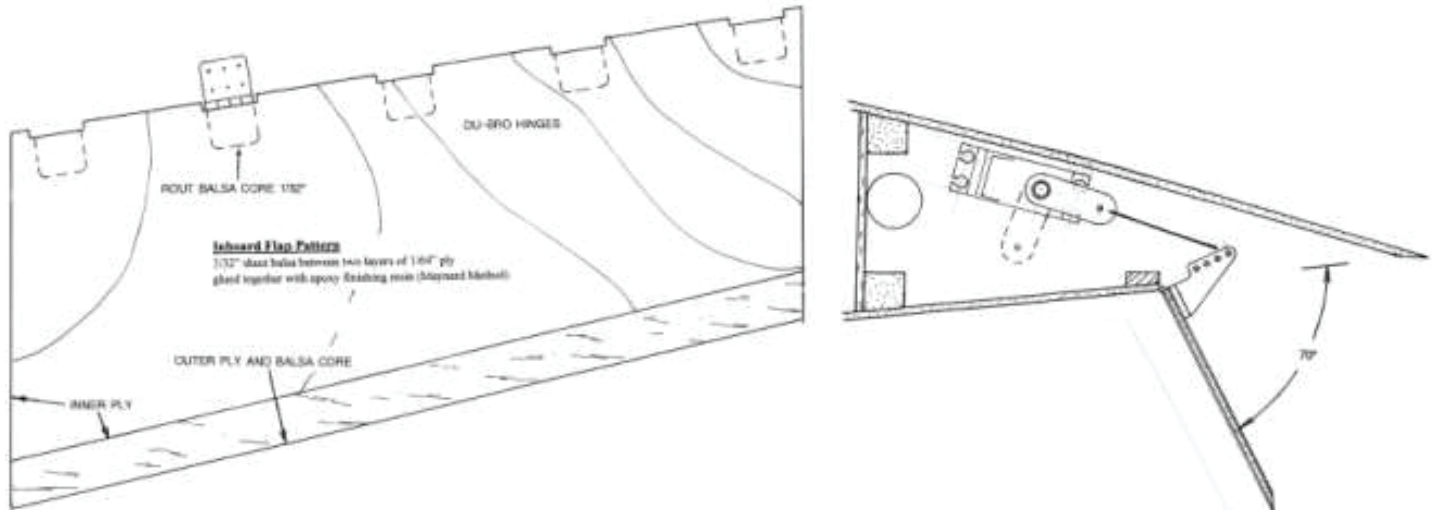
SCALE SQUADRON OF SOUTHERN CALIFORNIA



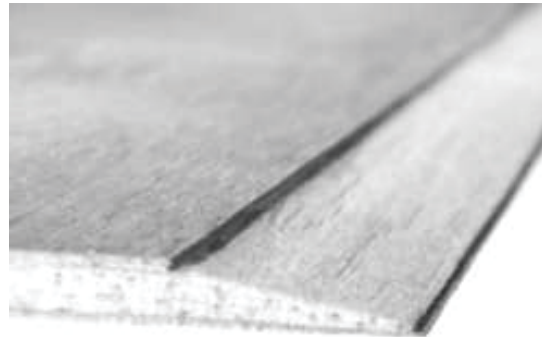
# Tips From The Bench

## Split Flap How-To

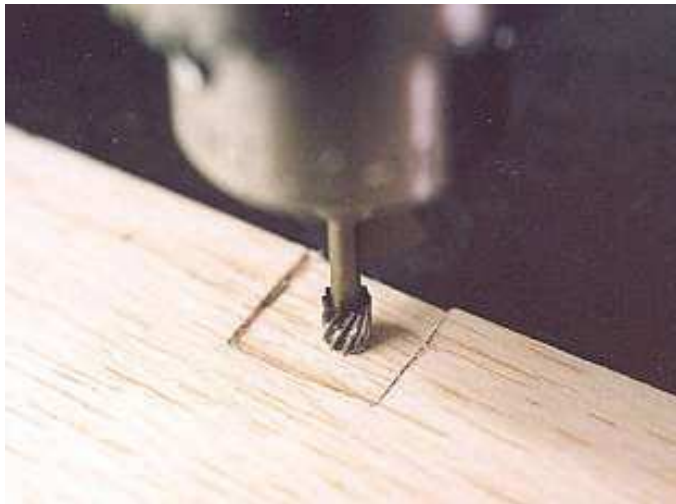
By: David P. Andersen  
mnbigbirds.com



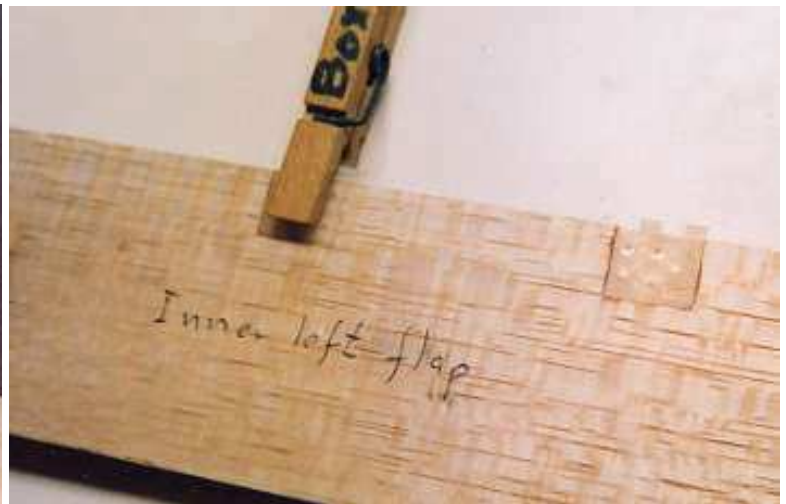
Split flaps on giant scale airplanes must be flat, stiff, light and strong. The method shown here achieves this by sandwiching a 3/32" balsa sheet core between two layers of 1/64" ply. These layers are glued together with finishing resin—a technique I learned from Roy Maynard. The result is light yet rigid.



Start by cutting the layers of balsa and ply per the plans. Bevel the flap core trailing edge. Note that the upper ply layer is slightly shorter in chord. This allows the final result to have a tapered trailing edge.



Rout out the balsa flap core 1/32" for hinges.



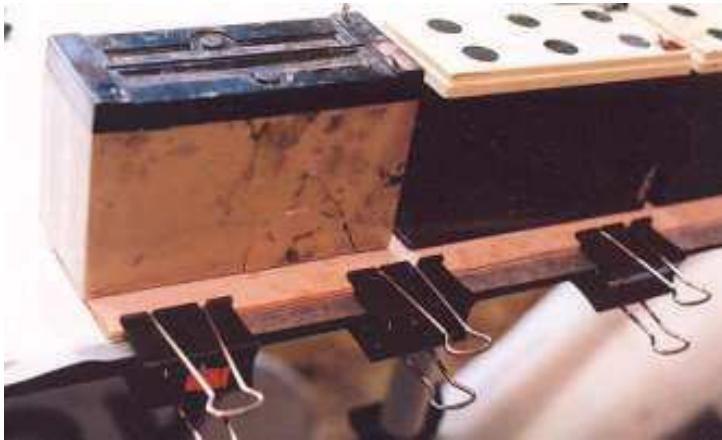
Remove and oil the brass hinge pins to prevent glue sticking to the pins. Glue the flap hinges to the balsa core.



# Tips From The Bench

## Split Flap How-To

CONTINUED



Brush epoxy finishing resin onto the 1/64" ply flap skins. Stack the skins and core on a layer of wax paper. Weight and clamp while the resin sets. This also seals the hinges inside. Another option is to clamp the assembly to a glass pane. Glass panes are very flat.



Rout hinge slots in a strip of wing sheeting. Reinstall the hinges and pins. Glue the forward half of the flap hinges to this strip.



Install the flap strip on the wing. Pin the flap hinge to the spar with a lite-ply backing.



Cover the flap hinge's outer surface with 1/32" sheet balsa. Sand smooth.



Install and test the flap horn and servo before sheeting the upper wing surface. Place the horn over a hinge to minimize bending of the flap during movement. For large flaps, a bolt-on horn is recommended.

Air load on the flap increases as the flap is lowered. Therefore, the servo arm should be pointing at the flap horn when in the fully down position. This causes mechanical advantage to increase as the flap is lowered and lock in the fully down position.

# Keeping The Spirit Alive

By: Sam Wright

## Bringing the Spirit Back Alive!

That was part of a phrase from the famous Frank Buck Jungle animal hunter!

What in the hell am I talking about? God, Religion, politics? No. I am talking about the fire we all had for scale modeling.

I am in the same boat and recognize how easy it is to not get involved or find an excuse for not getting involved.

I have heard them all, grand-kids! What happened to their parents? Medical or doctor's orders! Wife scheduled something! My plane is broke and has been for 6 months! Work! And other various reasons that can be avoided with good planning, such as putting event dates in your calendar!



Things today couldn't be easier to get involved. Take the new generation of ARF's. Larger, better built, and more scale! Much easier to peel and glass, add panel lines or paint them with your scale color scheme and decals. Most events such as the Scale Master Qualifiers, and even Top Gun have created classes to encompass the new era of the better ARF's.

Competition is not your bag? No problem, but own something everybody else doesn't have even if you must build it! There is nothing like the thrill of showing up at your home field or any field with something new or that no one else has, and then you fly the wheels off it to make it a great day. There is no medicine or therapy that can rival that feeling.



So, my humble intent here is to set the fire alive that drew you to scale model aviation in the first place. Yes, age does bring its baggage and in some cases some medical issues, but if you cave into that and accept it you have chosen the path you want to be on. Look or google the topic the "Law of Attraction" What is that? See the explanation below and I know I will be stepping on some toes here, but if your guilty, your guilty period!

The law of attraction is the name given to the *m a x i m* "like attracts like" which in New Thought philosophy is used to sum up the idea that by focusing on positive or negative thoughts a person brings positive or negative experiences into their life.

There are many links that you can go further in depth on the topic, but the short phrase above sums it up and should not be that difficult to understand. I had to grab myself by the shirt sleeve and get back to building, fondling Balsa Wood, sticking my fingers to the bench with ZAP, and all the other things that we love to do. The amazing thing is that our small band of scale enthusiast have produced some beautiful airplanes and we have unlimited talent in our group whether large scale power models or rubber powered. The rubber powered scale has really lit some fires and exciting to see what model's you guys are bringing to the meeting. It is still scale, and you're still building. That is exactly my point! Find the spirit to go forward!



# Keeping The Spirit Alive

continued

Look, the bottom line naturally brings with it the easiness of a sedentary life style as we mature, and all the reasons you can't build or go to a scale event.

Now here is a recent example and I know he won't mind me using his name. My friend and outstanding scale builder and pilot, Tim Carbook on the health issues he has his hands and be fine with everywhere and recently Air Force event in Phoenix in California. Tim even re-annual Top Gun Invitational that alone is a big undertaking. That is the spirit and Tim as you should!



members are invited as well. Squadron Members made at Cave Buttes RC Field last the guys that came over from Classics! Go figure!

Several other squadron Incidentally, only two Scale the One Eighth Scale Event month, and that is 4 short of there to our Warbirds and

As I said, I probably stepped on some toes and hopefully jerked your chain to get up off the chair, get into the shop and get re-enthused about the passion that got you here in the first place. In other words, get that spirit back and sweep all the reasons that have kept you from there aside.

We have a ton of experience in the Scale Squadron to help you, and all that is required is to just ask, plus the internet and YouTube today are a wealth of information on every subject of our scale passion.

So that being all said with no holds barred, what is holding you back? Get that spirit back and get back to scale building, flying and traveling out of your comfort areas to other events. Look at the event calendars and you will see there is no shortage of events and an opportunity to meet new friends as well share the same love of scale miniature aircraft as you do or once had!

About the Author Sam Wright:

*RC Scale and Jet Announcer nationwide and some countries for the past 32 years, including full size airshows. Avid scale modeler, and has competed and qualified recently for the US Scale Masters Championships.*



## BOARD OF DIRECTORS

COMMANDER - Mike Greenshields  
EXECUTIVE OFFICER - Scott Whyte  
TREASURER - Tim Cardin  
SECRETARY - Ed Woodson  
BOARD MEMBERS - Larry Wolfe  
- Sam Wright  
- GORDON TRUAX

### WEBSITE

WEBMASTER - Mike Greenshields

### OCMA REPRESENTATIVES

PRIMARY DELEGATE - Ed Woodson  
BACK UP DELEGATE - Sam Wright

### NEWSLETTER

EDITOR - Tim Johnson

## SQUADRON INFORMATION

### SCALE SQUADRON OF SOUTHERN CALIFORNIA

#### MAILING ADDRESS

P.O. Box 8074  
Fountain Valley, California 92728

EMAIL: [Commander@ScaleSquadron.com](mailto:Commander@ScaleSquadron.com)

### ABOUT THE SCALE SQUADRON

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 8th 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 to over 25.

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.

**MONDAY**  
**Dec 11, 2017**  
**6:00 PM**

**CHRISTMAS PARTY!!!**

**BE SURE TO RSVP WITH ED WOODSON**

