



SCALE DIMENSIONS

THE OFFICIAL NEWSLETTER OF THE SCALE SQUADRON OF SOUTHERN CALIFORNIA

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SCALESQUADRON.COM

March 2016

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Editors Note

By: Tim Johnson

The year is going by quickly. Or so it seems. The One Eighth Air Force Event is March 18-20. I will be attending that event. I hope more Squadron members plan to attend. I look forward to seeing OEAF members I haven't seen in a while.

Have you put any thought to putting together a tip to add to the newsletter? Tim Cardin has done just this. I would like to thank Tim for sending me this month's "Tip From the Bench" article. No matter how big or small your tip is, please submit your tip.

Take note that Warbirds and Classics event date has changed to June 10-12. This should be a super exciting event this year! Please get your registration done ASAP. You can register at www.RCflightdeck.com.

A few weekend's ago I was out at PVMAC field to fly and have fun. What I thought would be a typical in and out by noon kind of day, I ended up spending the whole day at the field! Including flying right up until the sun disappeared behind the hills. Some of the flying shots you see in this newsletter are from that fun day of flying. Take note in the newsletter of Squadron "Flying Days" Come on out to the field and fly! Don't let your thumbs get rusty!

I hope to see you at the field or our meeting!
-Tim Johnson



Team work at it's best! Dave giving the new P-40 an engine tune while Phil takes notes of the changes made to Michael's P-40.

Commanders Note From The Bench

By: Sam Wright

March is here! Wait, are you sure? It's amazing how quickly time will go by. Currently I am in Florida announcing for Frank Tiano's new "Red Flag" event. This is a new and exciting event where jet pilots from all over the world perform unique aerobatic routines. We have a few west coast hot rod pilots attending. People such as Ken McSpadden and Mike Adams and more. Stacked on top of that is Top Gun. This same weekend is RCX and I'm sure Scott and Gordy are making us look good at this show helping AirAge Media with their "Battle of the Builders". static competition. March 18-20 is the One Eighth Air Force USSMA Qualifier called Gunsmoke. Eighth Air Force USSMA Several Squadron Members will be attending this event such as Tim Cardin, Tim Johnson and a few others. We will be well represented at the qualifier. The OEAF gang all ways host a great event, I hope you attend.

" March 18-20 is the One Eighth Air Force USSMA Qualifier called Gunsmoke"



Flying at sunset can be fun and challenging. But you haven't lived until you have flown at sunset.



P-40 Over PVMAC, you would almost think it's the real deal.



Michael Fetyko's P-40, the first half second of his maiden flight.

Commanders Note From The Bench **Cont'd**

We have changed our Warbirds and Classics event date. The new date is June 10-12. Please adjust your calendar. You may preregister at www.rcflightdeck.com. Make sure you get your registration in early so you don't miss out on getting a shirt and banquet ticket. Speaking of banquet, the banquet will be at the field this time. We will still have the same exceptional food at last year, only this time we don't have to



Sam making good progress on his OV-10 Bronco project.

go anywhere to enjoy it. Please sign up asap. I expect to see a majority of our members to attend this year. Mike Greenshields and I have worked very hard to minimize the amount of volunteers needed for the event. This means that if you do volunteer, you will only need to spend a small amount of time helping and the majority of your time enjoying the event.

I am making good progress with my OV-10. Currently I am on the hunt for the right size engines. I hope to not have part of the non scale engine showing through the cowl. That is proving difficult, but I'm sure I will find the right engine soon.

Monday, March 14th is our monthly meeting. Please bring in your projects and show us what you are building or assembling. See you at the meeting!

Sam



Curtis Presented Larry a "Quilts of Valor" Quilt. Congratulations Larry!

Photos From The Field

By: Tim Johnson



Bobby Carbajal hunting for squirrels with his Fw-190.



Jobe on a high-speed photo pass at PVMAC field.



P-40 War Weary flying freely without the threat of the enemy at PVMAC.



Helping your fellow R/C Aviator is the key to success for all at the field!



Michael Fetyko gleeful after his successful maiden flight with the help of Doug.

Gunsmoke 2016

Radio Control Scale Model Airplane Contest



**Hosted By The
One Eighth Air Force**

March 18, 19, 20, 2016

Superstition Airpark, Mesa AZ

U. S. SCALE MASTERS QUALIFIER

Competition in five classes:

**Expert, Team Scale, Advanced, Pro-Am Pro,
Pro-Am Sportsman**

Friday: Static Judging - 10AM to 3PM

Sat & Sun: Flight rounds - 8:30AM to 3PM

Parking \$6.00 per Vehicle

Food Concession available Sat & Sun

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

Asst. Contest Director Austin Goodwin + 480 357-1816 + N451X@aol.com

1/8 th Air Force Commander: John Geyer + 602-810-1767 + jegeyer@centurylink.net

www.usscalemasters.org + www.oeaf.org + www.azmodelaviators.com

Tips From the Bench

Replicating Ignition Harness on Jacobs Dummy Radial

By: Tim Cardin

My first attempt at the ignition harness was hurried and inaccurate. With eyes squinted or you were standing 10' away it looked OK. However it didn't hold up very well and more importantly I located documentation that illustrated the real deal.

After browsing the wire section at a local electronics store and eventually finding the braided metal shielded wire I was looking for I quickly discovered



Murphy and his annoying laws knew I was coming. The empty spot where the size wire I needed was quickly confirmed, they were out of stock. I knew the braid needed to be painted black to match my documentation and looked for the next best thing, cloth insulated multi strand 18ga wire. So I bought the minimum 10' and was on my merry way.



The harness is a substantial ring on the front of the engine with each plug wire routed through a tube that attaches to the ring with the connector end screwing on to the spark plug. Originally I built the 7 cylinder Jacobs radials using Williams Brothers 9 Cylinder Wasp kits and have lots of parts left over. Using the spark plugs/connectors in the kit I started putting my idea to work.

Taking the plug connectors I drilled a 1/16th hole in them for the wire. Cutting the cloth insulated wire to length; I stripped the insulation and tinned the wire. This was to keep the wire together and help make easier to put the 90 degree bend at the plug connector without kinking the wire. After gluing the wire into the connector a short piece of heat shrink tubing was placed over the bare wire and extending over the end of the plug connector and cloth insulation. With it shrunk in place the bend was easy to make. This finished off the spark plug end on the harness.



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The insulation was also stripped on the ring end of the wire. Here I soldered a 2-56 nut and tinned the exposed wire. Another piece of heat shrink tubing put a finished look to the connector and helped simulate the nipple on the ring the harness screw on to.

The harness ring was simulated using a piece of fuel tubing cut to the appropriate length and painted chrome silver. The plug harness ends were painted copper and the insulation painted black to simulate the full scale counterpart.

With the ring attached to the engine front housing, a small hole was drilled to accept the tinned wire extending past the 2-56 nut, holding the wire in position while the plug connector was glued in place. I am quite pleased with the finished result and feel it is a much better representation of the correct ignition harness.



Free for Spectators! Public Welcome!



REVISED DATES! DATE CHANGED TO JUNE 10-12, 2016

ENTRY FEE: \$25.00/Pilot (Scale Aircraft ONLY)

NEW! Saturday Night ON-SITE Banquet:

\$25.00/person

Dry Camping: FREE

Prizes and Awards

Food Available - OCMA Fund Raiser

Details at scalesquadron.com website

Pre-Registration: RCFlightDeck.com

Event Location: OCMA BlackStarr Field

5305 Santiago Canyon Road

Follow Blue Diamond Road to the end

Field GPS Coordinates:

33deg 46'18.07 N

117 deg 41'52.79 W

<http://www.flyocma.com/Directions.htm>

More INFO: scalesquadron.com

Calendar of Events



Photo by: Tim Johnson

Doug Anderson's P-47 on a hot pass at the PVMAC field.

MARCH 2016

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
		1	2	3	4	5
Squadron day at the field, OCMA 6	7	8	9	10	11	RCX at the OC Fair & Event Center 12 Corona RC Club Warbirds Event
RCX at the OC Fair & Event Center 13	14	15	16	17	18 OEAF GUNSMOKE, scale qualifier, Mesa, AZ	19 OEAF GUNSMOKE, scale qualifier, Mesa, AZ
20 OEAF GUNSMOKE, scale qualifier, Mesa, AZ	21	22	23	24	25	26
Squadron day at the field, OCMA 27	28	29	30	31		

Squadron Meeting Photos



March 18-20 OEAF Gun Smoke
This is an USSMA Competition Qualifier
At the Arizona Model Masters field

This is a USSMA Qualifier event. Have your routine cards and documentation ready. If you are flying in the ARF class, static documentation isn't necessary.

APRIL 2016

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
					1	Menifee Valley Flyers Swap Meet 2
3	4	5	6	7	8	9
10	11	12	13	14	15	Gilman Springs RC Flyers "Dawn Patrol Over Gilman Springs" 16
17	18	19	20	21	Hemet Qualifier, Hemet, CA 22	Hemet Qualifier, Hemet, CA 23
Hemet Qualifier, Hemet, CA 24	25	26	27	28	Planes of Fame Chino Airshow 29	Planes of Fame Chino Airshow 30

Club
Newsletter
NEWS
January
2016

HAPPY NEW YEAR
2016

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December 2015 Club Newsletter Ad from Hobby People.

hobbypeople.net





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# _____ NASA _____ 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.

BOARD OF DIRECTORS

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

WEBSITE

WEBMASTER - Paul Lee

OCMA REPRESENTATIVES

PRIMARY DELEGATE - Ed Woodson
BACK UP DELEGATE -

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

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
March 14, 2016
7:00 PM

Show & Tell is for our members to show their scale aircraft project in any stage from plans, or framed up to a completed model. Scale ARFs or full bore scale models are welcome.

Visitors are always welcome.

