



Brian Young's built from plans  
LA-7 at the PVMAC Field.



## Commander's Corner

By: Mike Greenshields

Hello Squadron Members and Scale Model Enthusiasts Everywhere!

Happy New Year! I sincerely hope 2017 brings you good health, prosperity, great modeling projects as well as the time to finish them and go flying! Don't forget to get out and fly and get some exercise! I know I have a lot of Fruit-cake, Turkey, and Ham to work off!! (When my wife's not baking, my daughter in seems to be! I'm stuffed!!!)

2016 was a great year for the club. Great leadership from the board combined with amazing enthusiasm of club members resulted in another successful year. Maybe even a "stand out" year! Each event and meeting, large or small, was fantastic. The modeling projects many of you have undertaken this year were monumental tasks, great subject matter, and results are impressive. I think above all, and Sam Wright said it best, the Squadron is an open-door club made up of great people. I am proud to call you all friends and club-mates.

2017 is going to bring changes as every year does and even so, I expect this year to be fun, easy, and rewarding. We have some big shoes to fill after all the good stuff in 2016! I know it seems a world away, but June is coming!!!! We should have a GREAT Scale Event this June. It's already in the planning stages! And as always, our monthly meetings will be fun and informative.

**"2016  
was a great  
year"**

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## Event Calendar

AMA Expo West  
Jan 6-8, 2017  
Ontario, CA

Winter Warbirds  
January 13-15 2017  
Sun Valley Flyers R/C Field, AZ

Hemet MM Swap Meet  
January 28 2017  
Hemet Model Masters Field, CA

AMA Expo East  
February 24-26 2017  
Secaucus, New Jersey

Gunsmoke Qualfier  
March 24-16 2017  
Arizona Model Masters Field

Bomb Drop Competition  
April 8th 2017  
Menifee Valley Flyers, CA

Squadron Fly-In  
June 9-11 2017  
Silverado, CA (OCMA Field)



Best In The West Jet Rally, F9F on  
landing at Button Willow Field.

# 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 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 with a pair of round needle nose pliers. This finished off the spark plug end on the harness.



1/16th hole in them for the wire. length; I stripped the insulation and wire together and help make easier connector without kinking the wire. short piece of heat shrink tubing was placed over the end of the plug connector and cloth insulation. With it shrunk in place the bend was easy to make with a pair of round needle nose pliers. This finished off the spark plug end on the harness.

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.



# Commander's Corner Cont'd

**A renewed focus:** With new board members come new ideas. This year, Tim Johnson has challenged us, as a club, to grow our membership. He's got the right idea in my humble opinion. Our club would benefit from new people participating in scale modeling. We'll see new modeling projects and best of all, make new "RC" friends. Let's put our heads together and work on a continual, effective, membership drive throughout 2017. MORE TO COME ABOUT THAT (Stay tuned!)

## The 2017 Board

Mike Greenshields – Commander (President)

Scott Whyte – Executive Officer (Vice President)

Ed Woodson – Secretary

Tim Cardin – Treasurer

Tim Johnson – Newsletter

Larry Wolfe – At Large

Gordon Truax – At Large

Sam Wright – At Large (Last year's President is automatically on the board the following year according to our bylaws)

## Congratulations and THANK YOU for volunteering your time to the club.

AMA Exhibition January 6, 7, and 8 (setup is Jan 5).

We will be exhibiting as a club at the AMA show with TWO goals in mind.

1. Promote the Scale June event and thus, Scale Modeling in general

2. Promote and hopefully grow the club membership. Let's find new hobbyists who enjoy scale modeling just like we do and get them to club meetings and events!

The AMA effort will be lead by Gordy, Larry Wolfe, and Sam Wright (since he passed on announcing this year).

PLEASE! THE SQUADRON NEEDS YOUR HELP!!! THE BOOTH NEEDS VOLUNTEERS!

Please Email Me, Mike Greenshields [mikegreenshields@gmail.com](mailto:mikegreenshields@gmail.com) and let me know which days you can work the show!

## Reminders:

1. AMA SHOW Needs club member participation! Contact Mike Greenshields (me!) [mikegreenshields@gmail.com](mailto:mikegreenshields@gmail.com)

2. RENEW! RENEW! RENEW! RENEW!

-Renew your AMA membership through the end of 2017

-Renew your Scale Squadron Membership (Online is best!)

-Renew your OCMA or other flying field membership

-Renew your Scale Masters Membership!

3. January Club Meeting is January 9th 7pm! Same Bat Time, Same Bat Channel! PLEASE PLEASE PLEASE bring in your latest project, your cool-find at AMA, and/or other scale modeling "stuff". Show it off, teach us about it, it's what the meetings are all about!

I'm looking forward to being your commander and working with each and every one of you this year.

Now let's get going on those Rivets and Panel Lines!

-Mike Greenshields

Commander

[mikegreenshields@gmail.com](mailto:mikegreenshields@gmail.com)

# BOARD OF DIRECTORS

COMMANDER - Sam Wright  
 EXECUTIVE OFFICER - Mike Greenshields  
 TREASURER - Tim Cardin  
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## NEWSLETTER

EDITOR -Tim Johnson

# SQUADRON INFORMATION

## SCALE SQUADRON OF SOUTHERN CALIFORNIA

### MAILING ADDRESS

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## 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 it's 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 Potoga, 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**  
**JAN. 9, 2017**  
**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.

