



# SCALE DIMENSION NEWS

The Official Publication of the Scale Squadron of Southern California

## SCALE SQUADRON OF SOUTHERN CALIFORNIA

August 2011



### EVENTS & ACTIVITIES

**August 26-28, 2011**

The BIG JOLT West Coast RC  
Electric Experience  
Prado Airpark - Chino, CA

**September 3, 2011**

Hemet Model Masters Dawn  
Patrol/Golden Age Contest

**October 22-23, 2011**

One Eighth Air Force Fly In -  
Cave Buttes - Phoenix, AZ

**October 29-30, 2011**

Corona R/C Club Float Fly -  
Lake Perris, CA

**December 4, 2011**

PVMAC Toys For Tots Prado  
Air Park - Chino, CA



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[www.scalesquadron.com](http://www.scalesquadron.com)



FROM THE SPOTTER'S  
VIEWPOINT

MIKE GREENSHIELDS  
SCALE SQUADRON  
COMMANDER

MIKEGREENSHIELDS@GMAIL.COM



Who would have thought in July we'd still be running at full-speed, but here we are busy, active, and having a darn good time. For me, one of those activities keeping me busy was a very pleasant trip to the land of lost-wages, Las Vegas, for a needed family vacation. My family and I had a great time and shockingly enough, we didn't bake or lose all of our wages! This did cause me to miss the meeting for July (it was simply the only week my whole family could go on vacation, so I did have to miss the meeting regretfully). I want to thank everyone else for attending and running the meeting. I may have been on vacation, but I still missed being with the club!

July had lots of other activities too. First up, I want to congratulate Joni. Her hard work promoting this great hobby of ours was recognized officially this last weekend at the OC FAIR with a plaque presented by AMA District 10 VP Larry Tougas. Larry flew down to make this special presentation and did it right in our own booth at the fair. Joni deserves this recognition and I know she has MANY lofty goals for promoting R/C and Aviation in the next year.

And speaking of the Fair, WOW. We had yet another year showing off cool planes in a good looking booth setup by Joni and Randy and manned by Squadron members, PVMAC members, OCRCC members, and HSS members!

Our participation in the fair is now a inter-club joint-effort thanks to Joni and that sure makes it easier to both man the booth and to get newbies to the right clubs for training. I talked to MANY people at the fair during my shifts on Friday and Sunday who want to BUILD. Not just fly, but BUILD. That was encouraging in and of itself.

THANK YOU to Joni, Randy, and to every volunteer. It was great seeing you there and your hard-work is truly appreciated. Your passion for the hobby and aviation rang loud and clear and was infectious. I say that because the booth seemed PACKED almost all the time!

Shirts Shirts Shirts!!! Come to the next club meeting, they should be done!

There are several events that I want to point out. One near and dear to my heart is the upcoming PVMAC Big Jolt. This event is a fun sport event that will see everything from BIG scale electrics to high speed racers and everything in-between. As the hobby evolves electric power systems are paving the way to more reliable power plants that fit inside our scale models, and the BIG JOLT will have some of the best models and modelers in electric R/C. If you don't have an EP aircraft, at least come out and lend your support.

Also, if you have time to volunteer,

the PVMAC I'm sure could use the help and would appreciate your help. If you're not already involved with the PVMAC club, Sam can get you in touch with the right people if you do want to help out.

OCTOBER IS SCALE-MONTH HERE ON THE WEST COAST! October, which is NOT that far away, will keep you busy as there are lots of events!

-Scale Masters in the 6-9th of October and it's in FRESNO!

-The 1/8th is Oct 21-23 in AZ (always a fun-one!)

You should be practicing now, putting the finishing touches on your model, and clearing those weekends if you can because each of these events will be great!

And, I might add, we're flying at some of the best fields on the west coast, thus even Sunday flying has never been better! Prado continues to get updated and now features a beautiful building for food booth/cooking at the big events. The OCMA field with its improvements to the pits is a pleasure to fly at. The new surface is cooler, smoother, and nicer. AMAZING difference.

I'll see you at the field and at our next meeting August 8th!

-Mike Greenshields

SCALE SQUADRON OF SOUTHERN CALIFORNIA



# ONE EIGHTH AIR FORCE FALL SCALE FLY-IN

OCTOBER 22 AND 23, 2011

SUN VALLEY FLIERS CLUB FIELD  
CAVE BUTTES PARK IN PHOENIX, AZ  
CAVE CREEK RD. AND JOMAX RD.

A GOOD TIME FOR EVERYONE

SATURDAY NIGHT DINNER AT THE FIELD

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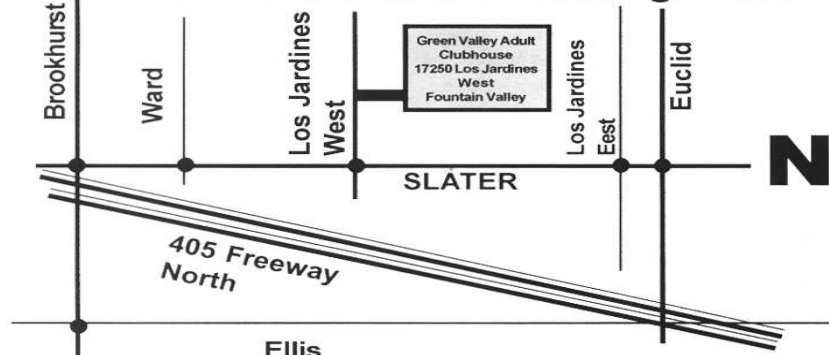
## WHAT IS THIS AIRPLANE?



Can you identify this airplane? That is great, but don't tell your buddies. At the next general meeting we will give you a piece of paper for you to write your answer on. Your answer will go in to a drawing for the night of the meeting. In the past Hobby People have donated prizes for this drawing.

The next Squadron newsletter will contain detailed information about this airplane for your reading pleasure.

### How to Get to the Meeting Place



From the South - 405 North, Exit Euclid, Turn Left at end of ramp, Left on Lite at Slater, Pass Los Jardines East, Turn Right at light on West Los Jardines. Go thru Stop sign with school on left. The Clubhouse will be 1/2 block on your right.

From the North - 405 South, Exit Brookhurst North, Turn Right at ramp light to Slater, turn right, Pass Silky Sullivan's on your left, FV Police Station on your right, Pass Ward, Left on West Los Jardines at the light, the Go thru Stop sign with school on your left. Clubhouse will 1/2 block be on your right.

### MEETING

Monday

August 8

2011

7:00 PM

Green Valley  
Adult Clubhouse  
17250 West Los Jardines  
Fountain Valley, CA 92708

## SCALE SQUADRON OF SOUTHERN CALIFORNIA

# There's a Storm Brewin'



## August 26-28, 2011

### Prado Airpark ★ Chino, CA

Open to all Electric Aircraft & EDF Jets

- ★ Premier Flying Site in Southern California
- ★ Beautiful 800 x 50 ft. Paved Runway, with large unobstructed over-fly
- ★ RV Dry Parking at Field
- ★ Electric Vendors
- ★ Food on Site
- ★ Night Flying
- ★ Hangar BBQ Saturday night
- ★ Pilot Raffle

An AMA Sanctioned Event Hosted by The Pomona Valley Model Airplane Club (PVMAC)  
For details, advance registration, hotels/motels, directions & pilot/vendor information, please visit:

[www.pvmac.com](http://www.pvmac.com)

CD Sam Wright sam-w@cox.net / Phil Goodwine phil@goodwineglass.com



# SQUADRON INVADERS CLEARLAKE

By: Randy Wilber

Joni and I were invited to tour the Clearlake Modelers beautiful field last week. We met with their president, Glen Widman, and he introduced us to 4-5 other members. Richard Bauchman is their VP. Steven Feuebacher, Tom Overton and Doug Bradford are some of the workers out of the 40 some members. Their field is located on a farm on Highway 29 north of Lower Lake and south of Kelseyville. Check their web site for maps and aerial photos. <http://clearlakemodelers.home.mchsi.com/index.html>

They have a great relationship with the farmer who has granted them rights to water and power for the field. The club has purchased 3 metal carport units, for shade, that keep the pilots and spectators cool and comfortable. These units are only pinned down to the ground. The club had to move everything when the pond was installed.

Their runway is about 900 feet x 100 feet with 12 pilot stations. During our visit there was a work party wetting and rolling the field. The farmer gave the club the left over clay/sand mix from the new pond that was construct-



ed directly behind the field location last year. Glen told us that the clay rolls out and turns as hard as asphalt. This is a good surface for the summer but it does get a little soggy in the winter.

We have a standing invitation to visit and fly at their field any time we want. The field is a little bit off the beaten path but well worth the journey. Thank you again to Andy Bandy, Glen Widman and all the other members that were so nice and receptive to us big city dudes.

It's nice to see that at the end of the day, sitting with your friends in the shade is what it's all about.



## SCALE SQUADRON OF SOUTHERN CALIFORNIA

# SCALE SQUADRON OF SOUTHERN CALIFORNIA

Photos by: Robert Ramirez, Larry Wright



Bill Hart happy to show up his Tiger Cat



Squadron Vice President Sam Wright filling in at the July meeting



Randy Wilber showing off his progress on his T-28



Larry Klingberg has made great progress with his scratch built Church Midwing



Art Rosene reporting on his progress on his scratch built Banshee



Larry Wolfe showing off progress on the Squadron Club project.

## SCALE SQUADRON OF SOUTHERN CALIFORNIA



# SCALE SQUADRON OF SOUTHERN CALIFORNIA

Photos by: Robert Ramirez, Larry Wright, Sam Wright

Sam Wright's grandson Zachery Byrd visiting from Raleigh, North Carolina on the sticks with Squadron member Tim Johnson as the instructor. Zack is a good 1/8th scale RC car driver and this was his first time on the sticks other than the flight simulator. By the 3rd flight he was doing loops and low level passes with the Phase 3 Phoenix II electric glider. Mike Greenshields from Hobby People graciously loaned us the glider and Airtronics RD-8000 with the trainer transmitter. Zack got three great flights in and is now an AMA 2011 Jr member. Sam's daughter Sharon, a proud mom in the background. Sam of course was one proud grandfather.



Zack's dad passed away last year, so this was a tremendous thrill for Sam and of course Zack. These photos were shot at the OCMA field. Note the new poly pavement pits and the runway was resurfaced as well.



Sam Wright a happy Grandfather with his Grandsons.



Josh Justus and his mom enjoying the Squadron meeting.



# SCALE SQUADRON OF SOUTHERN CALIFORNIA

# SQUADRON LANDS THE OC FAIR

By: Randy Wilber

Unfortunately the Squadron weekend is over. We had three days of meet and greet with the public and once again we were a huge hit. A personal thank you to Hobby People for their support. The most enjoyable and popular item at our booth was the 42" plasma which we ran a RealFlight R/C simulator on. Some of the planes on display for the public to view were, a couple of P-51's, a Mosquito bomber, a foam glider (Phoenix II), plus my 1/5 scale Corsair from Hobby People which drew a lot of attention. We also had a 32" monitor showing R/C videos. The booth had a lot for the public to see and lots to take home with them. We gave away 10 cases of model magazines, AMA information and information about some of the local clubs in the area.

The high light of the weekend was on Saturday when Larry Tougas, our District X Vice President, came from Northern California to the show and presented Joni Whitsitt with an "Exemplary Service" award from the AMA. I think you will agree with me that she is well deserving of this award.

Members of the Scale Squadron and PVMAC manned the booth on Friday. The Harbor

Soaring Society covered it on Saturday and the Squadron was there on Sunday. After their time in the booth everyone had fun at the fair.

Joni and I would like to thank all those members that participated and gave their time and energy to the betterment of the hobby. A big thank you to the following who supported this yearly event; Larry and Rose Klingberg, Ray Young, Kevin Pullin, Larry and Karen Casey, Bob Wood, Mike Greenshields, (Commander)

Tim Greenshields, Randy Wilbur, Ed Woodson, Paul Lee, Debbie and Josh Justus, Gordon Truax. Tom Marcure, (PVMAC).

Harbor Soaring Society; Jim Hanson, Ted Broberg, Chris Adamczyk, Hank Smith (President), Fred Hesse, John Rittenhouse, Karl Hawley, Chris Hill, Bill Lawrence, and Larry Tougas, District X Vice-President.

The Orange County Fair Management said we have an open invitation for next year.



# SCALE SQUADRON OF SOUTHERN CALIFORNIA



## VIDEO LOG



Sunderland Airshow 2011 Highlights



Duxford Spring Airshow Highlights 2011



Lucas Films has created a good looking movie called "Red Tails". Here is a preview of the movie



Cambrai Tiger Meet Airshow 2011. \*50 minutes



Breitling Wingwalkers - Best short video you may ever watch.



The Best A-10 Warthog video - A lot of in cockpit  
CAN YOU FIND LADY ALICE IN THIS VIDEO?

**SCALE SQUADRON OF SOUTHERN CALIFORNIA**

## BACHAM BA 349 "VIPER"

The Bachem Ba 349 Natter was probably one of the strangest airplanes ever designed and built during the Second World War. Nicknamed "Viper" by the Allied Forces, this WW2 German aircraft was designed specifically to successfully intercept large formation of Allied bombers which during that time were continuously pounding Germany daily with bombs.

The Ba 349 followed a simple design that even semi-skilled labor could construct one unit in less than one thousand working hours. The design of the wings of this WW2 German aircraft was very simple that they were just plain rectangular slabs made of wood. The wooden-wings did not have any flaps or control devices. The control devices to make the Ba 349 roll, pitch and yaw were installed in the cruciform tail which is made up of four fins and control surfaces. The four control surfaces in the cruciform tail were connected to guide vanes which augmented the control of aerodynamics.



The main engine of the Ba 349 "Viper" was a Walter 109-509A rocket motor that can generate up to 3,740 pounds (lb) of thrust. However, the Ba 349 weighs more than 4,000 pounds when fully-loaded that is why this WW2 German aircraft was installed with four Schmidding 109-533 solid fuel rockets that were bolted two per side to the aircraft's fuselage. The installation of the additional four rockets to the fuselage made it possible for the Ba 349 to take off vertically and to quickly rise to a suitable attack altitude for intercepting bombers.

The weapons system of the Ba 349 Natter consists of twenty four (24) 2.87-inch Fohn unguided rockets that could be launched in a full volley. The cockpit of this single crew aircraft is heavily armored to protect the pilot long enough to intercept bombers. The principle of the use of the Ba 349 Natter was to be a semi-expendable plane where only the pilot and the four rockets of the fuselage were to be saved after every mission. The idea was to launch this WW2 German aircraft vertically as the Allied bombers get close enough. As the the Ba 349 reaches the attack altitude, the four rockets attached to the fuselage will be jet-tisoned and the pilot will fire-off a volley of 24 unguided rockets to the closest bomber in the area. The pilot would then set the aircraft's course to ram another bomber as the pilot ejects out of the plane



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# SCALE SQUADRON OF SOUTHERN CALIFORNIA



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## ***Advancing and 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 the Scale Squadron.

Our members have diversified interests in all facets of aviation history, from the first aircraft to fly at Kitty Hawk to the modern day jet. Advancements in technology have provided us with ready-to-fly kits, on-board cameras, in-flight telemetry, multi-cylinder engines as well as high powered miniature jet turbines that burn real jet fuel. 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 out perform that of its 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 every member makes a scale masterpiece. That's OK too! Whatever pleases you is what counts. Whether

club that embraces all facets of scale aviation R/C modeling and the related community.

Scale Squadron Club Meetings are held on the 2<sup>nd</sup> Monday of each month at the Green Valley Adult Clubhouse, 17215 Los Jardines West (just north of Slater) in Fountain Valley, CA. The meetings start at 7PM and last about 2 hours. Our meetings throughout the year include the usual club business as well as Member Show-and-Tell, Modeling How-To's, 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. Like-minded visitors are always welcome. All members and visitors alike are encouraged to bring their latest scale models and projects!



you're kit-bashing, volunteering at charity aviation events, or making molds from scratch for Scale Masters or AMA National Championship competition scale aircraft, Scale Squadron is a



Thank  
YOU  
for your  
hard Work!

Jerry Ortego, Squadron Founding-Member after a nice flight with his FW-190 at OCMA Field

Larry Klingberg,  
World Famous, Award Winning  
Scratch-BUILDER

Our UK Squadron Wing Commander  
Ted Cooke Enjoying the usual flying  
conditions in the UK

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