



# SCALE SQUADRON OF SOUTHERN CALIFORNIA

July 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 28-30, 2011**

West Coast Big Jolt Prado Air  
Park - Chino, CA

**December 4, 2011**

PVMAC Toys For Tots Prado  
Air Park - Chino, CA



Founders of the U.S. Scale Masters Championships  
[www.scalesquadron.com](http://www.scalesquadron.com)



FROM THE SPOTTER'S  
VIEWPOINT

MIKE GREENSHIELDS  
SCALE SQUADRON  
COMMANDER

MIKEGREENSHIELDS@GMAIL.COM



June was a spectacular month for the Squadron.

Obviously the giant achievement was the 5th Anniversary Fly-In. It was well attended with tons of pilots and spectators (including a HUGE turnout from the AZ Contingent including the 1/8th AF and Team Powers!). Even our vendors/exhibitors were impressed with the turn out!

Randy Wilbur headed up the effort with the support of the entire board. But, of course, the hard work and support didn't end there. A TON of volunteers made it happen. It is impressive to me that our club, which is obviously not the biggest, has such a giant percentage of members who volunteer and work together to make our event one of the premier scale events in Southern California.

And it didn't end there. Our fly-in is a co-club effort! PVMAC hosted the event and volunteered for the event as well. The Goodwine's brought out all of their awesome equipment and helped out in the trenches too. Thanks to the entire PVMAC club for the field, volunteers, and support of the scale community.

I was proud of our new effort, the Scale Seminar and our two leaders for this, Gordon Truax and Larry Wright. I'd like to add that Gordy truly did an amazing job organizing the presentation with a nice handout and concise presentation! With over 25 pilots in attendance (and more at the end than

the start!) it was clearly an interesting addition pilots enjoyed.

The hangar was THE place to be Saturday night. The banquet was a HUGE hit with great food, cool music provided LIVE by the AZ Contingent, a very successful auction, and of course ambiance un-matched in our modeling community. Ken, Sam, and Gordy were generous to host the banquet there and I KNOW that everyone appreciated their good will.

I also wanted to mention the sponsors. Goodwine Glass, Balsa USA, Horizon, Great Planes, Hobby People, Airtronics, Kyosho, Dynamic Balsa, Nick Zirola Plans, Castle Creations, Davinci Machine, Zap, Pro Mark Graphics, X-Tec Lights, Airborne Media, EMS, . . . And the GRAND-COOL-MAJOR prize, a ride in Yellow Peril. Thank YOU to Ken Wagner for this generous donation.

THANK YOU to everyone who helped to make this a successful, memorable event.

One of our members, Tim Cardin, put the 200th successful flight on his Byron P-51D this month. Tim is going to Scale Masters and I congratulate Tim on his achievements. During this month we also had several other club members maiden new aircraft and we've enjoyed some incredible flying weather already!

The club Cessna 195 is making big progress! It's already a group effort. Larry Wolfe has headed up the framing

efforts with the help of Phil Gross and several other members. Next up will be Paul Lee who is going to finish the color scheme, install windows, etc. The Cessna is shaping up now. Larry should have an update at the meeting.

I went out to the OCMA field last weekend with some of the gang. The improvements are awesome. We're lucky to have two such great fields (OCMA and PVMAC) that allow us to join and fly. If you need help signing up to fly at either of these fields, see Sam Wright about PVMAC or Tim Johnson about the OCMA).

Next up is the OC Fair in July and the PVMAC Big Jolt in August. If you want to volunteer for the Squadron OC Fair efforts, please see Joni. If you want to volunteer to help with the PVMAC Big Jolt, see Sam Wright or go to the next PVMAC meeting!

I'll be on Vacation with the family next week so Sam will run the meeting. It should be a good one!

Finally, I want to welcome our new members! I hope you enjoy the Squadron as much as we all do!

Enjoy the So CA Weather, get some flying in and have fun! Big Jolt and 1/8th Air Force Event will be here before you know it so get practiced and trimmed and ready to rock at these upcoming events!

Happy Landings!  
Mike

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

OEAF'S UNIQUE AWARDS IN MANY CATEGORIES

ALL TYPES OF SCALE MODELS WELCOME

REGISTRATION STARTS SATURDAY AT 0730 HRS

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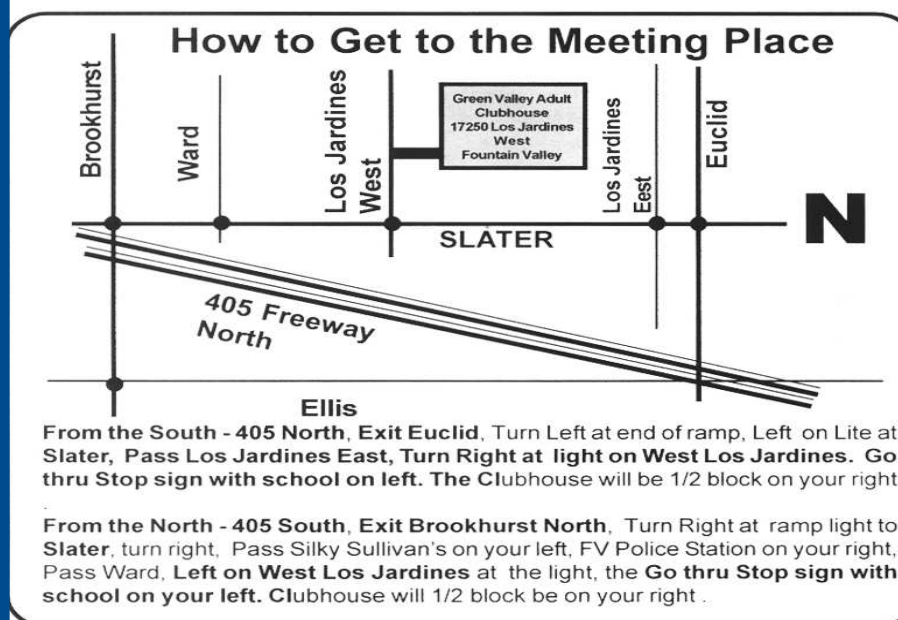


# WHAT IS THIS AIRPLANE?



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.



**MEETING**  
**Monday**  
**July 11**  
**2011**  
**7:00 PM**  
 Green Valley  
 Adult Clubhouse  
 17250 West Los Jardines  
 Fountain Valley, CA 92708

## SCALE SQUADRON OF SOUTHERN CALIFORNIA

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## R/C Car Show! Saturday July 16

**BRING THE WHOLE FAMILY!**  
 Saturday, July 16, 10 a.m. To 4 p.m.  
 Hobby People's Fountain Valley Store  
 18475 Pacific Street, corner of Ellis Avenue



**FREE! DRIVE A RADIO CONTROL CAR!**

**FREE! Hobby Dogs and Drinks!**  
 Saturday, July 16  
 11:30 Until They're All Dog-Gone GONE!

**FREE! Raffle Ticket**  
 Special Event Raffle Ticket  
 Your Chance To Win Prizes!

**FREE! SEMINARS**  
 Here Saturday, July 16!  
 • Getting Started in R/C Cars  
 • Taking It To The Next Level: R/C Racing  
 • How-To Program Your Computer Radio



# 5TH ANNUAL SQUADRON FLY IN 2011

Photos by: Robert Ramirez, Larry Wright



SCALE SQUADRON OF SOUTHERN CALIFORNIA

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Photos by: Robert Ramirez, Larry Wright



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Photos by: Robert Ramirez, Larry Wright



SCALE SQUADRON OF SOUTHERN CALIFORNIA

# 5TH ANNUAL SQUADRON FLY IN 2011

By: Randy Wilber

WOW!!!! Another Fun Fly is in the bag. Thank you all for helping to make this another success and fun event for the Squadron. We had 65 pilots entered over the two-day event and some 90-100 airplanes.

The event started months before the crowds showed up with making and distributing flyers. This happened at the AMA Convention and the RCXpo. A special thanks goes out to Joni, Tim and Mike for getting all the forms, dinner tickets, and banners printed up. You should all take the time to stop by your local Hobby People shop and thank them for providing all the pilot numbers and printing of flyers, forms,.... This was a great help and money saver to the club.

The actual event started on Thursday with the laying out of the field, Pounding posts, chalking lines and putting up canopies. Friday began with picking up 10 40 lb. bags of ice and getting to the field to finish the set up. The Pomona Valley Modelers i.e. (Phil and Kyle Goodwine, Thomas Marcure, Jim Stout and others) were a great help on Thursday and Friday stringing all the flags and putting up the canopies, P.A., tables, cones.....

The Friday night mixer was kept to just the out of town guests and the volunteers. The hangar was once again the venue for this and the Saturday night banquet. Speaking of the banquet we had over 65 people and only 50 dinners. Last year we had over 80 pilots and

only 47 for the banquet. These things are never predictable. That's what makes it so exciting. We were able to accommodate all and the evening was very enjoyable. We ended the evening with an auction that included servos, scale tires, motors, and airplanes.

Ed Woodson was my lead on the food booth. This was the first time for him and he pulled it off like a pro. Joni Whitsitt was his right hand man and was able to round up several women to help all weekend. Phyllis Ortego, Cyndy Wolfe, Nancy Wright, Debie Justus and Jane Woodson. Ed McCormick and Phil Gross stayed on the grill all weekend and we thank both of them for that. They both were scheduled for a two-hour shift but once they got that spatula in their hands they wouldn't let it go. The other (slave) I mean volunteer was Ray Young. He was the chip cookie soda guy for the whole weekend.

Tom Marcure was my flight boss. He did an outstanding job of keeping things under control. Thanks to Tom's suggestions we will have some new equipment and hand signals for next year's event. I apologize for not educating Tom properly on how to run the flight line and for all the stress I caused him. Thank you for all the PV-MAC guys that helped Tom out.

Chuck Pozanac and his crew of PVMAC members did a wonderful job of running the parking. They stood out in the sun all weekend

and collected \$2 a car for us.

Tim Johnson was in charge of lining up vendors and getting raffle prizes donated. The raffle was held only on Saturday so that we had no shipping to do. Larry and Rose ran the raffle booth all day and were assisted by Keith Howard, Larry and Karen Casey. I know there were more people but I forget.

Sam Wright was in charge of procuring the plaques for the event as well as announcing and running the hangar parties. Tim also announced the show both days and cooked fries at the hangar.

Last but not least was our own commander Mike Greenshields, who headed up the Scale Masters Seminar. This was something new for us this year. This seminar was hosted by Bill Hart and Curtis Kitteringham of the Scale Masters Association, as well as, our own Larry Wright and Gordon Truax. They detailed the requirements of competing in a scale qualifier. This discussion was well attended and received many accolades. We will definitely be doing this again next year.

I once again would like to thank all the members of the Squadron and of PVMAC that helped to make this event what it was. I did not get the chance to list all who helped but I do thank you.

The list of awards and the winners is posted later in this newsletter.

SCALE SQUADRON OF SOUTHERN CALIFORNIA



# 5TH ANNUAL SQUADRON FLY IN 2011

Photos by: Robert Ramirez, Larry Wright



## 2011 SQUADRON FLY IN WINNERS

### People's Choice

1. Kyle Goodwin & Frank Harris  
F4F Wildcat
2. Rick Powers  
Savoia-Marchetti SM.79
3. Steve Gamble  
P-40 Warhawk

### Best Military

1. Kyle Goodwin & Frank Harris  
F4F Wildcat
2. Rick Powers  
Savoia-Marchetti SM.79
3. Bob Mabli  
Mitsubishi A6M Zero

### Best Civilian

1. Tim Cardin – Beach Stagerwing
2. Kyle Goodwin – Extra 260
3. Al Case – Midget Mustang

### Best Realistic Flight

1. John Deacon  
Piper L-4A "Grasshopper"

### Best Detailed ARF

1. Kenny Thorton  
Republic P-47 Thunderbolt

### Best EP Prop

1. John Bayshore  
Grumman F8F Bearcat
- Best EDF Jet**  
1. Chris Wolfe  
Vought A-7 Corsair II

### Best of Show

1. Brian Young  
Mitsubishi A6M Zero

### Commanders Award

- The Goodwin Family

# CAC CA-15 "KANGAROO"

At the time of its construction the CAC Boomerang mounted the most powerful power-plant in Australia - the licence-built 1,200 hp Pratt and Whitney Twin Wasp R-1830 radial engine. The combination of the Twin Wasp and the sturdy design of the Boomerang resulted in a highly manoeuvrable fighter aircraft.

In fact, the Boomerang's tests in 1942 were so promising that plans were initiated to design an improved version with a more powerful engine. However, subsequent investigations revealed that the basic Boomerang airframe would not take the extra weight without considerable modification and so the project was cancelled.

Nevertheless, the RAAF requirement for a long-range, medium altitude, high performance fighter still remained. Throughout 1943 and 1944, conferences were held between the RAAF and CAC, and in 1945 the CAC design was accepted for the specification under the company designation CA-15.

The CA-15 airframe was originally designed to use a radial engine, the 2,300 hp Pratt and Whitney R-2800 with a turbo-charger. However, this particular engine became unavailable at the time and, late in 1945, it was decided to fit an in-line Rolls Royce Griffin Mk 61 as an interim measure pending the interaction of a Griffin with a three-speed super-charger.

Another program centred around the armament installation and various combinations of 20mm cannons and 0.50 machine guns were considered before it was decided to produce the first aircraft with six 0.50s with provision for 250 rounds per gun.

The CA-15 was the second fighter to be completely designed by CAC and, in comparison to its predecessor, the tubby Boomerang, it had an exception-



ally pleasing appearance. The aircraft was rolled out in 1946, and taxiing tests commenced on 12 February 1946.

Test pilot Jim Schofield carried out the first flight on 4 March 1946, and company tests continued until the end of June. On 2 June 1946, the CA-15 was allocated to the RAAF as A62-1001, and on 27 June 1946 the aircraft was delivered to No 1 Aircraft Performance Unit at RAAF Laverton.

Familiarisation flights were carried out, and calibration and performance tests were commenced with APU pilots Wing Commanders J.H. Harper and G.D. Marshall, Squadron Leaders D.R. Cuming, G.C. Brunner, C.W. Stark and G.H. Shields, and Flight Lieutenant J.A. Archer.

The tests continued until the CA-15 was forced to crash-land due to hydraulic failure on 10 December 1946. The aircraft was extensively damaged, and in June 1947, it was returned to CAC for repairs. Meantime, plans were underway to introduce jet-engined fighters to replace the RAAF Mustangs, and the CA-15 project lost its original priority.

Consequently, almost a year elapsed

before A62-1001 was delivered back to the RAAF on 19 May 1948. A limited test-flying program continued until 1950 when it was decided to cancel any further development. On 1 May 1950, the CA-15 was transferred from Aircraft Research and Development Unit to No 1 Aircraft Depot for conversion to components.

In retrospect, the CAC CA-15 (which at one time was unofficially known as the CAC Kangaroo) was quite a remarkable aircraft. In addition to its thoroughbred lines, it possessed a flying performance well in advance of many contemporary fighters.

APU pilots found the CA-15 a pleasant, uncomplicated aircraft to fly with no apparent vices. Climbing and range trials were well up on expectations, and maximum speeds of 448 mph at 26,400 ft in combat power and 432 mph at 32,700 ft compared favourably with fighters of similar design and power rating. Although superseded by the Vampire and Meteor, the CA-15 was, nevertheless, an outstanding aircraft that was a credit to Australian designers and technicians.

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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



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

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

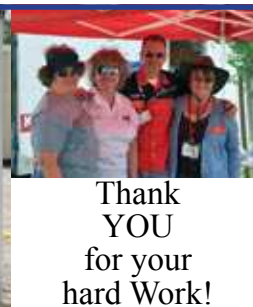
Replication. Like-minded visitors are always welcome. All members and visitors alike are encouraged to bring their latest scale models and projects!



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



Larry Klingberg, World Famous, Award Winning Scratch-BUILDER



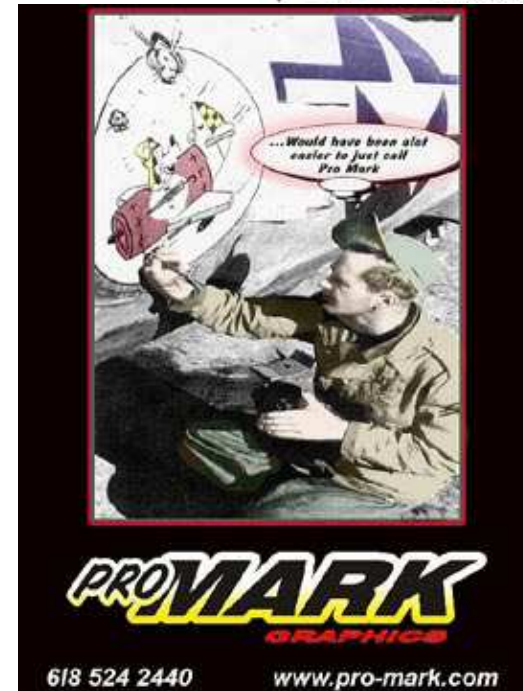
Thank YOU for your hard Work!



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

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