Founders of the U.S. Scale Masters Championships
www.scalesquadron.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 meetings. 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.

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

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!

- Mike Greenshields

One Eighth Air Force
Fall Scale Fly-In
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Sun Valley Fliers Club Field
Cave Buttes Park in Phoenix, AZ
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Commander Howard Kennedy 602-361-8475 bushpilot1443@yahoo.com

www.oneeighthairforce.org
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 into 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.
Squadron Invades 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 constructed directly behind the field location last year. Glen told us that the clay roles 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.
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.

By: Randy Wilber
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 Ba 349 reaches the attack altitude, the four rockets attached to the fuselage will be jettisoned 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.
Another 16-page sale flier is coming soon! Watch your mail box for money-saving DEALS in all R/C departments!

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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 2nd 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
Our UK Squadron Wing Commander Ted Cooke Enjoying the usual flying conditions in the UK

Thank YOU for your hard Work!

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