



The ThunderWord

Thunderbird Field EAA Chapter 1217

July 2018

Scottsdale, Arizona

PRESIDENT'S CORNER*

Greetings from my corner of the hangar! At last month's meeting we had Chapter member Brian Mitchell owner of R and E Oil Cooler Service. Instead of doing the normal power point presentation Brian brought several boxes of oil coolers, cut away coolers, and the parts that go into rebuilding coolers. He also brought several Vernitherms and showed how they tested them.

After finishing the Condition Inspection on my RV-8 the next thing on the list is to get it painted. It was never intended to be polished it just hasn't been painted. After talking to all the paint shops in Arizona and SoCal I have decided to use Master Aircraft in Wickenburg. I had two next-to-impossible criteria: 1- I wanted a fixed price, and 2- I wanted to get it done in the next six months. Only one company could/would do that. I am working with them on the scheme design now and the plane should go into the shop in early August.

As July rolls around its time to think about the annual Oshkosh pilgrimage. It will be great to see the newest innovations in flying as well as the products manufacturers think we can't live without. I have a kind of warped perspective on what's cool. Last year's highlight was a Fokker Triplane with a real rotary engine blowing a cloud of gas and castor oil behind it, sight, sound, and smell. I wonder what this year's highlight will be??

See you at the July meeting!

Curtis

JULY CHAPTER MEETING

The July meeting of Thunderbird Field EAA Chapter 1217 will be held on Thursday, July 19, beginning at 7 pm. This month's guest speaker will be Gustav Haussler from Master Aircraft Services in Wickenburg Arizona.

They offer a one stop service for paint and interior work for your aircraft. Gus is going to walk us through the process of getting your plane painted whether it's reshooting the stripes or a complete paint job.

I have also received some really great door prizes so bring your good luck and go home with a prize.

Guests are always welcome!

MEETING LOCATION

The location is Paradise Valley Community Center, 17402 North 40th Street. It is on the west side of 40th Street just north of Paradise Valley High School, basically 1/4 mile north of Bell on 40th Street. We will meet in the large multi-purpose room. You can park on the south side of the building and have more parking options that are closer to the door. Look for the signs!

AIRVENTURE HAPPY HOUR

It has now been a 20-year tradition of Chapter 1217 members attending the Oshkosh AirVenture Fly-In to get together one evening and compare sightings and stories. This year on the first day of the Fly-In, we will have our annual AIRVENTURE HAPPY HOUR AND FISH FRY at WENDT'S ON THE LAKE. Come and join us for some traditional Wisconsin food and libations. That's on Monday, July 23 2018, around 7 pm.

If you want to plug it into your GPS the address is N9699 Lake Shore Road, Van Dyne, WI 54979-9703 (920) 688-5231; www.wendtsonthelake.com. They are located 3.8 miles south of the seaplane base.

SHOW SALUTES MILITARY

AERIAL REFUELING AIRCRAFT

EAA AirVenture Oshkosh, the 66th annual fly-In convention for the Experimental Aircraft

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Association, is July 23-July 29 at Wittman Regional Airport in Oshkosh. The EAA will showcase many of the nation's top military aircraft on display and flying during AirVenture.

EAA is dedicating this year as the Year of the Tanker, saluting aerial refueling aircraft used in the military. It is also the 70th anniversary of the United States Air Force Reserve and its citizen airmen.

Three tankers will be on static display and flying during AirVenture, including a KC-135R, a KC-10, and a HC-130N. All three aircraft perform aerial refueling for other military aircraft in the U.S. Air Force, with the HC-130N providing refueling for both the U.S. Air Force and the U.S. Coast Guard.

Other aircraft that will be on both static display and flying during AirVenture include a B-1B, a C-5M, a C-17, an E/A-18G, an F/A-18F, and a HH-60G Pave Hawk. An E-4B flying command post will also be featured during AirVenture with fly-bys.

Aircraft on static display during AirVenture include an F-5, an F-15C, an F-16C, a C-12F Huron, an AH-64 Apache, and an MH-47 Chinook.

Additional military aircraft may be added to EAA AirVenture Oshkosh 2018 prior to opening day. Aircraft and arrival dates may change without notice.

406 ELT OR GROUNDED

The Mexican government has issued several advisories in the past few weeks to pilots who either have their aircraft in Mexico or are planning to travel there. Effective immediately, a 406 mHz ELT will be required on all aircraft flying in Mexico. There is zero tolerance with no warnings being issued.

Additional information has been provided by the Mexican FAA that as of end of day, June 30, any aircraft in Mexico that does not have a 406 ELT will be grounded. As incorrectly reported earlier, there will be no warning. The Mexican FAA states that they have given the flying community over 15 years of extensions

to allow time for all to add the required ELT and June 30, 2018 was the final deadline. There will be no more extensions.

Do not take your aircraft to Mexico after June 30 if you do not have a 406 mHz ELT installed. And you might be making plans to move your aircraft out of Mexico if it is there without one. The people with the most up to date information are the Baja Bush Pilots Association. They can be contacted at jack@bbp.org

SUBSONEX APPROVED FOR RENO AIR RACES

**Airplane Will Be Showcased At Multiple Events
Over The Summer**

Sonex Aircraft will collaborate with High Performance Aircraft Group to showcase the SubSonex Personal Jet. High Performance Aircraft Group debuted the SubSonex at this year's Pylon Racing Seminar, PRS, (also known as "Rookie School") June 7-10 at Reno Stead airport in preparation and training for the National Championship Air Races in September. The SubSonex was taken through various flight scenarios by three-time Reno Gold champion Pete Zaccagnino and exceeded performance expectations.

"The plane has been approved for racing, and now we have to get to work in preparation for training enough pilots to create a new race," Zaccagnino said. "I believe we got eight flights in and everyone loved it. It was a blast on the course."

During the four-day event, the SubSonex participated in formation flights with as many different aircraft as time allowed. This included fingertip, echelon, cross-unders, pitch out, rejoins, and recoveries. Due to runway construction at Stead airport, only Saturday and Sunday were available for track time during this year's PRS. Very high winds prevented all flights on Saturday, so all time on the track had to be accomplished on Sunday. "I did three flights on the track and everyone loved the SubSonex," Zaccagnino wrote.

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SubSonex JSX-2 Racer

Flights during PRS were conducted on the Jet/Unlimited course, however, Sonex Aircraft and High Performance Aircraft Group are hoping to gain approval for future testing and exhibition racing on the shorter courses, designed for aircraft closer to the SubSonex's speed envelope and level of maneuverability.

High Performance Aircraft Group will showcase the SubSonex Personal Jet at a variety of aviation events throughout the season, to be announced. Zaccagnino is flying SubSonex model JSX-2, the factory prototype number 2, also known at the Sonex factory as "Sharkie," for these racing and demonstration flights while JSX-2 factory prototype number 1 is on the airshow circuit for its third season performing day and night pyro aerobatic air shows around the nation by Bob Carlton of Vertigo Airshows. The SubSonex Personal Jet is offered to Sonex Aircraft customers as a Quick Build aircraft kit and is powered by the PBS TJ-100 turbojet engine. The airframe kit plus engine price is under \$100,000, the total cost to purchase and complete a SubSonex kit start at only \$108,000 for a jet.

XP-82 TWIN MUSTANG HEADED TO AIRVENTURE

The restorers of a North American XP-82 Twin Mustang, one of the most unusual fighter/escort aircraft ever deployed by the U.S. military, are aiming to make EAA AirVenture Oshkosh 2018 its first public

appearance to celebrate completion of an arduous 10-year restoration project.

The restoration project in Douglas, Georgia, began after aircraft restorer Tom Reilly discovered the complete airframe on a farm in Ohio. Reilly then scoured the earth seeking engines, propellers, and a multitude of other XP-82 parts to continue the restoration.

"The interest and enthusiasm for this restoration has been wonderful and gratifying," said Reilly, who has chronicled the restoration process online. "There is no better place than Oshkosh to make the first public flights of this aircraft, which is why it is our intent to complete the restoration and testing so we can be a part of AirVenture 2018."

The XP-82 restoration brings back a unique flying example of an aircraft designed late in World War II as a long-range fighter escort to accompany B-29 bombers for thousands of miles on missions over the Pacific Ocean. Based on the highly successful P-51 Mustang design, the XP-82 used twin fuselages and two specially designed Rolls-Royce, Packard-built Merlin engines to supply the speed, range, and armament needed for the task. Fewer than 300 of the airplanes were produced as the P-82. All but five were scrapped in the years after the Korean War as the military moved to jet aircraft.



XP-82 Being Made Ready for Display at AirVenture

UAVIONICS SKYBEACON NEARS CERTIFICATION

One of the most promising and affordable ADS-B solutions is the uAvionics skyBeacon that mounts to the wingtip of your plane and is powered through the position light circuit. It is affordable, easy to install and has the ability to be turned off with a simple turning off of your position lights. Here is the latest update from the company in their own words. Any capitalization errors are the company's.

What is the status of the skyBeacon certification?

FCC approval and FAA transmit licenses are approved. Environmental and performance testing is completed, and skyBeacon has exceeded all required standards.

When does uAvionix expect to complete the certification?

We will file our TSO by the end of June.

Summary

We are on the final stretch having achieved numerous major milestones in the skyBeacon certification process. Specifically, skyBeacon has seen rigorous environmental and performance testing, exceeding required

standards and ensuring compatibility with a wide variety of aircraft. We've worked with the FAA to gain a groundbreaking approval for integrating the modern microelectronics necessary to make skyBeacon a reality. Despite these successes, we haven't yet crossed the finish line. Over the last several months we've quadrupled our team, devoting significant resources to quickly complete the skyBeacon TSO.

We are humbled by the response and continued support of our customers who have partnered with us to help shape a unique vision of aviation.

We hope to see each and every one of you at AirVenture. We will either bring skyBeacon to sell and install on your aircraft, or a dunk tank for our certification lead.

BALLY'S BOMBER

HEADED TO OSHKOSH

Jack Bally and test pilot Richard Kosi, have announced their plans to bring Jack's remarkable 1/3-scale B-17, named Obsession, but best known as the Bally Bomber, to EAA AirVenture Oshkosh 2018.

Jack, who worked for decades as a carpenter, started on the project in 1999, working from a

set of plans for a 1/9-scale RC model. After scaling up the plans, he started toiling away at his home in Dixon, Illinois, estimating that the project would be finished in about five years.

Seventeen years, 25,000 rivets, and approximately 40,000 man-hours later, the airplane made its first flight in November of 2016. As that flight was unintentional — an unexpected gust turned it from a taxi test to a takeoff — the video that was shot that day doesn't actually show the airplane in the air, a fact that proved especially tantalizing to the

thousands of enthusiasts who'd been watching the project for years. With the airplane on display at AirVenture, thousands of followers will finally get the chance to see it in person.

“The Bally Bomber embodies the spirit of homebuilt innovation and creativity,”

The Bally Bomber is expected to be on display all week, alternating between the Boeing Plaza and the Replica Fighters Association, with exact details to be announced.



Bally's Bomber

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Chapter Website: www.ThunderbirdField.com



Jack Pollack's Swick T
The plane was painted by Master Aircraft who is our guest speaker this month



The Arizona pilots who attended the Stearman Gathering at San Diego in May
Kurt Gerhart, Travis Major, Bob Jefferies, Larry Dustman Terry Emig and Billy Walker

ThunderAds

FOR SALE, ETC.

COOL PLANES FOR SALE

Only flown by little old ladies to church on Sundays. <http://captainbillywalker.com/aircraft-for-sale/aircraft-for-sale>

BAKENG DUECE

On gear, most of structural fabrication complete, wings, ailerons, flaps, tailfeathers and fuselage 90 percent done. No engine but dynafocal ring for a 0-320, new cleveland wheels and brakes. Located in hangar at Prescott \$3500, Charlie 602-377-2271 cdmichael1@gmail.com

Mooney for Sale

Terry Emig has a friend in New Mexico who is selling his Mooney. For more info, call Terry at: 520-836-7447 or email terry@valleypumpandmachine.com

Piper Cub Wings

Rebuilt with new spars. One wing ready for cover the other wing soon. Pat Battle A&P/IA DVT 602-274-2434

Completed RV-7A tail kit.

Completed and zinc chromated. Nate D'Anna 602 891-4771 Email Natedanna@q.com

CESSNA 172'S FOR RENT

Two IFR Cessna 172s for rent at Chandler. Owned by Chapter member Pat McGarry. Contact Chris Hoel for more information and to schedule birdganqft@gmail.com

'65 MOONEY

Very clean, 4000TT, 22 hours SMOH, \$41K with new annual, Goodyear hangar, Joe Hobbs joseph.hobbs@cox.net for more information

RV-4 PARTIALLY BUILT KIT

\$13,500 Lycoming 0-290-D2, kit for \$3,000 or \$16,000 for both. Bill Refrow 602-843-9862 w7lov@cox.net

LYCOMING 0-360 A1A

Engine built up for RV project never completed. Invested \$50,000. Price very firm at \$25,000. Martin Del Giorgio delgiorgiopels@gmail.com

GARMIN GDL39 PORTABLE GPS

ADS-B Receiver with free Weather and Dual-Link Traffic. Battery Pack with extra Battery included. Works with all Apple Products. Brand new in the box, \$400. Ken Roth 602-228-5000, or e-mail: RothDevCor@aol.com

SERVICES, ETC.

High-Perf Tailwheel & Akro Instruction

Pitts, Skybolts, all experimental tailwheel aircraft. 46 years experience. Scottsdale Airport Budd Davison, Plus-5 Aviation, 602-738-2045, www.airbum.com, buddairbum@cox.net

OIL COOLER REPAIR AND SALES

Chapter member owned. R & E Cooler Service 800-657-0977 www.oilcoolersvs.com

ANNUALS

Owner Assisted. Jim Moss had to move to Alaska to care for sick parents. He may be back later.

FLIGHT INSTRUCTION, ETC.

Fred Gorrell Designated Pilot Examiner: Airplane: Private, Commercial, Instrument, ATP, ME and Lighter than Air: Private and Commercial. 602-942-2255, 602-418-2045, fgorrell2@cox.net

HOME BUILT AIRCRAFT CERTIFICATION

ABDAR Gary Towner 928-535-3600

ANNUALS, RESTORATIONS, FABRIC WORK

Eloy Airport Julie White 520-466-3442

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Send an E-mail to:
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