



The ThunderWord

Thunderbird Field EAA Chapter 1217

May 2015

Scottsdale, Arizona

PRESIDENT'S CORNER

Greetings from my corner of the hangar! Last month Pike Kelly entertained us with a presentation on what went into the making of a major motion picture where one of the stars was a Ryan STA. It was amazing the amount of work, number of people and money that went into making the one short scene the plane was in. Pike also gave a plug for his business doing repairs and restorations on vintage and aerobatic planes. Thanks again to Jack Pollack for setting up the April program.

It was really great to see so many Chapter 1217 members and friends come out for our annual May Day BBQ. A big thanks to Jack Pollack for serving as the host and donating his hangar. Also a big thanks to Dean Guilderooy who donated all the tables and chairs and John Levitz who donated his large grill. A special thanks to everyone who helped with the set up and cooking chores, the party couldn't happen without your participation. Plans are already underway for a similar event on the first weekend in May 2016.

See you at the May meeting!

Curtis

MAY CHAPTER MEETING

The next meeting of Thunderbird Field EAA Chapter 1217 will be held on Thursday, May 21, starting at 7 pm. The location is the Scottsdale Aviation Business Center, 15041 North Airport Drive. This month's guest speaker is Dr Chuck Crinnian who is going to talk about aeromedical issues effecting pilots, and will touch on the requirements to self certify for Sport Pilot. Thanks to Jordan Ross for setting up this month's speaker.

A little background on this month's guest speaker. Chuck Crinnian began his flight career at age 15 and has been involved in aviation in various capacities for the last 40 years. Currently, he is an Aviation Medical Examiner and Lead Neurohospitalist for Scottsdale Healthcare. Prior to changing careers to medicine, he was a professional pilot in the corporate area and was a founding flight instructor at Embry Riddle in Prescott. His last position was that of Chief Check Pilot for Flight Standards at ERAU. He flies a Mooney 231 and has been based at Deer Valley for the last 6 1/2 years. Chuck is also a FAAST Team representative.

Guests are always welcome at our meetings!

WELCOME NEW MEMBER

At the April meeting, John Warner joined Chapter 1217. John formerly owned a Citabria and is looking to get back into flying now that he has retired.

AIRVENTURE HAPPY HOUR

It has now been a 17-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 20, 2015, around 7 pm.

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



May Fly-In / Drive-In - Good Eats and Talk

WHAT'S NEW

AT OSHKOSH THIS YEAR

The excitement continues to build as EAA AirVenture Oshkosh 2015 gets closer! Here are just a few of the many features and attractions you won't want to miss:

- Dierks Bentley to headline opening day concert - Presented by Ford Motor Company
- F-35 makes Oshkosh its first civilian U.S. air show
- Rutan Legacy Day activities Tuesday, July 21
- 1,000 forums and hands-on workshops
- Technology and Innovations: **NEW!** 30-foot drone cage
- Give Flight Project: build 5 sets of wings in 7 days
- Celebrate Pitts 70th anniversary
- Valdez STOL demonstrations return
- Camping - Join 40,000 of your closest friends
- World-class air shows
- Concerts, movies, and informative programs

WIN A PIPER CUB

Attending AirVenture Oshkosh 2015 this year? Visit the Sweepstakes booth near the control tower for more chances to win! You'll have a chance to win one of these incredible items.

Grand Prize: Piper J-3 Cub

Proven to be popular in past Sweepstakes, this beautiful, fully-restored 1946 Piper J-3 Cub will take center stage once again as the fan favorite aircraft among aviation enthusiasts as our 2015 EAA® Sweepstakes aircraft. Boasting only 18 hours of flight time since its restoration, this aircraft is ready for you to enjoy with the following newly added features:

- Continental C90-12F, 90 hp engine
- B&C lightweight starter and battery
- Dakota Cub wings, each with 18 gallon fuel tanks
- Bracket air filter
- McCauley Propeller
- Dawley exhaust
- Goodyear tires
- Clyde "the Cub Doctor" Smith instrument panel

Second Prize: EAA AirVenture

Oshkosh 2016 VIP Package*

- Two weekly AirVenture wristbands
- One weekly AirVenture camping pass
- Two Bell Helicopter flight passes
- Two Ford Tri-Motor flight passes
- Two B-17 flight passes
- Two Flightline Pavilion passes
- Lunch for two at the Aviator's Club for one day
- VIP tour for two of AirVenture grounds
- EAA Lifetime Membership
- \$500 EAA merchandise voucher

NO PURCHASE OR DONATION NECESSARY. A PURCHASE OR DONATION WILL NOT IMPROVE YOUR CHANCES OF WINNING.

Coupons must be addressed to: EAA Sweepstakes, PO Box 3117, Oshkosh, WI 54903-3117. Sweepstakes is sponsored by Experimental Aircraft Association, Inc. ("EAA"), PO Box 3117, Oshkosh, WI 54903-3117 ("Sweepstakes Address"). EAA encourages you to make a donation with your entry. All donations support EAA's mission to grow the next generation of aviators.



Bob Mohan (seated) talks with Old Friends

1st 100% MEXICAN PLANE NEARS COMPLETION

Mexico's aerospace industry, experiencing an annual growth rate of more than 14%, is on a roll and a small company in Oaxaca wants to be part of it. Oaxaca Aerospace has unveiled its prototype of an airplane completely designed and developed in Mexico, the Pegasus, a single-engine, two-seater plane that is agile, fast and inexpensive.

The father-and-son team of Raúl and Rodrigo Fernández began their project four years ago, developing what they describe as a completely different aircraft. A team of highly-qualified engineers has worked with them, using the latest computer software to design it.

"Most airplanes today are designs that were born in the 1950s, and they have only been modified in terms of avionics and engines that are more modern," says Rodrigo Fernández, who is general manager of Oaxaca Aerospace. "There has not been any basic modification to make them more efficient and aerodynamic."

The Pegasus is expected to have a range of 1,600 kilometers and a maximum speed of 400 km/h and fly at a maximum altitude of 16,000 feet. Its design makes it ideal for aerial surveillance, said Fernández, so potential clients are police services, surveilling drug traffickers, and armed forces. It could also serve for pilot training.

Although the Pegasus has not yet flown, the company hopes to build 12 of its planes in 2019, and sell them for US \$550,000. each. Their principal challenge is financial: the Fernández have invested \$3 million of their own money into the project, and assistance has also come from Conacyt, the National Science and Technology Council, and the business accelerator TechBA. Collaborative help has come from the National Polytechnic Institute, which has been participating in runway trials.

Certification of the airplane is also something of a challenge because the Mexican authority, the Director General of Civil Aeronautics, has little experience in that process. It is, after all, the first 100% Mexican plane, one that could well help propel the nation's aerospace industry to greater heights.

PILOT PARACHUTES TO HOSPITAL

A pilot who parachuted from a glider that broke up in flight last month managed to land safely on the roof of a hospital parking garage in Reno, Nevada. Television station KTVN reports that the pilot, Bob Spielman, had departed from Minden-Tahoe Airport on Sunday morning, April 9, and was returning to the field when he encountered strong winds. The pilot lost control after both of the aircraft's wings sheared off. According to the reports, only one wing had been recovered as of the following day.

Spielman bailed out of the disintegrating glider and parachuted to the top of a five-story parking garage in downtown Reno. The garage on which he landed belongs to St. Mary's hospital. Fortunately, he did not need to be admitted. He was reportedly examined and released at the scene.

As for the glider, the wing that has been found landed in a park in Reno, while the fuselage came down in an alley near the hospital. The wreckage reportedly hit several vehicles, but no one on the ground was injured.



Yet-to-Fly Example of Mexican Designed Pegasus Two-Seat Aircraft

AIRBUS E-FAN COMING TO OSHKOSH

General Ken McKenzie, Airbus’ senior vice president of strategy and corporate development, deputy chairman and first assistant to the president, proved that the European aerospace giant is definitely taking electrically powered designs seriously. He announced that Airbus, together with partner VoltAir SAS, would be building a large final assembly building in Pau, France. The plant will be dedicated to manufacturing the Airbus E-Fan 1.0, an electrically powered twinjet.

This airplane, which first flew in public at last year’s Farnborough International Airshow, is scheduled to fly at this year’s EAA AirVenture in Oshkosh, Wisconsin. The E-Fan 1.0 is strictly a demonstrator and a testbed airplane, dedicated to systems analysis. Its max takeoff weight is 1,433 pounds, its max cruise

speed is 86 knots, and its landing speed is 60 knots.

A follow-on design, the E-Fan 2.0, is a two-seat trainer for the European market. Its entry into service is set for 2017. Meanwhile, the E-Fan 4.0 is aimed at the American market as a four-seat training and touring airplane. It will be certified to FAR Part 23 certification standards. McKenzie said that Airbus will use VoltAir’s U.S. subsidiary to build a new construction facility for the 4.0 in the United States, although he wouldn’t say where. A \$60 million project, McKenzie said.

The 4.0 will have an “overall price that’s better than other airplanes in this market segment.” First deliveries should be in 2018, although record flights in Europe using a prototype should occur in the coming months.

EAA Chapter 1217 Personnel

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Airbus E Fan Aircraft is Scheduled to Fly at EAA AirVenture



Photo by Jordan Ross

**Denny Myrick's RV-12 and Lynn Miller's new RV-8A at Payson for breakfast.
Jordan Ross got ride in both planes that day**



**John McIlvennas RV-12 getting painted
Painter was evicted from this hanger the day after final color was applied!**

ThunderAds

FOR SALE, ETC.

2010 VAN'S RV-12 ELSA

155Hrs. T.T. A&E, Garman SL-40, GTX-327, 496 GPS, Dynon D-180 w/AP-74 Auto Pilot, A&P Built, Professional Paint, Located DVT \$85,000., Contact Paul for photo's via e-mail pmshep@live.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 O-290-D2 \$3,000 or \$16,000 for both Bill Refrow 602 843-9862, w7lov@cox.net

ZENITH STOL CH 710

Estate sale. Aircraft close to finishing. Located in Yuma, AZ. Contact Bob Carter for more information BobC@buildersguild.com

VANS AIRCRAFT RV WHEEL PANTS

Pressure recovery wheel pants. New never used, painted, or drilled \$400. Jack 480 695-4441

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

PULSE AUTOCYCLE

FAA got you grounded? Want a fun project that captures the thrill of flying? Jim Bede designed Pulse Autocycle for sale \$22,000., Arizona title and current registration. Curtis 602 710-4494 azskybum@aol.com

LYCOMING O-360 A1A

Engine built up for RV project that never got off the ground. Invested \$50,000. Price is very firm at \$25,000. Martin Del Giorgio delgiorgiopels@gmail.com

CURTISS REED PROPELLER

Model 55511. 82" SAE 1 taper shaft. (Warner, Ranger, Maytag 604) Make me an offer, I want it gone. Patrick McGarry: 602-430-0140

PROJECTS FOR SALE

Protech, PT-2, folding wings & trailer, 82 hp Mosler engine. & Gere bi-plane, about 75% complete, built from magazine plans, circa 1932, completely rebuilt Model A engine. Pat Wall 928-851-2244.

ESTATE SALE

Chapter member Marty Williams has flown west and his family is selling his Zenith 701 kit. Contact his son Keith at 480-998-4873.

SERVICES

OIL COOLER REPAIR AND SALES

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

ANNUALS

Owner Assisted. Jim Moss 520-440-2191 www.northside-aviation.com

FLIGHT INSTRUCTION, ETC.

Fred Gorrell Designated Pilot Examiner: Airplane: Private, Commercial, Instrument, ATP, and ME. Lighter than Air: Private and Commercial. 602-942-2255, Cell 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

AIRMEN PHYSICALS

Dr. Henry Givre AME, Chapter member and RV-4 owner. 520-836-8701

MACHINE SHOP

High quality parts fabrication for homebuilts at a reasonable price. David Leverentz 520-898-4321

Want to see your aircraft-related ad here in the Thunderword?

Send an E-mail to: EAChapter1217@aol.com

Newsletter Addendum

A Couple of Additional Aircraft Seen at the May Day Fly-In / Drive-In



Larry Keeling and his RV-4



Jeff Overby's Harmon Rocket