



The ThunderWord

Thunderbird Field EAA Chapter 1217 October 2017

Scottsdale, Arizona

PRESIDENT'S CORNER

Greetings from my corner of the hangar! Last month's guest speaker was Klaus Plasa who is a world roaming pilot of WW II aircraft. Besides learning about his past, he was able to give us a pilot's perspective on what it is like to fly the Focke-Wulf 190 and Messerschmidt ME-109 aircraft. He even had a cool video of flying a ME-163 replica. Thanks to Chapter VP Terry Emig for lining up Klaus to speak and providing chauffer service. Also experience has now taught us that we need to use a microphone in the future.

It looks like the hundred degree temperatures are behind us and the flying season is here. There have already been events in Sedona and Prescott. Wickenburg, Copperstate and Lake Havasu are just around the corner!

This month's speaker, Chapter member John Washington, is going to talk about the planes of Dr. Alex Strojnik that applied formulas of laminar flow to achieve great efficiency. In his homeland he first built a flying wing glider that he later crashed, He said he learned many lessons from it including he needed a helmet. Dr. Strojnik came to Arizona State University to develop the electron microscope in the late seventies. He taught freshman physics and I was lucky enough to have him as a professor. He was a tough SOB but was a different guy when you talked to him about airplanes and gliders. He wrote several books on aircraft design that are still required reading for airplane designers. The rumor always was the CIA had smuggled him out Slovenia.

See you at the October meeting!

Curtis

OCTOBER CHAPTER MEETING

The October meeting of Thunderbird Field EAA Chapter 1217 will be held on Thursday, October 19th, beginning at 7 pm. This month's speaker is Chapter 1217 member John Washington. John's program is going to focus on the aircraft designs of Dr. Alex Strojnik and John's flights as test pilot on the Strojnik S-2 Laminar Magic including setting an FAI speed record for Category C-1A/O. John will take us through the design, construction, flight testing, records, as well as what was learned and what the future holds.

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. We learned that 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!

NEXT MONTH'S MEETING

At our November meeting we will have a triple awarding of the Wright Brothers Master pilot award to three of our distinguished aviators. The FAA Safety Team will be on hand to talk about the award, the achievements and contributions each has made to aviation. We plan to have the meeting catered with drinks and food for the attendees.

COPPERSTATE FLY-IN

Friday and Saturday October 27 and 28 are the dates for the biggest Fly-In and Aviation Trade Show in Arizona. The event will be held at Mesa's Falcon Field and is just a short drive to the east valley. There will be literally

Continued on page 2



Strojnik S-2 Laminar Magic Aircraft

hundreds of display airplanes of every make and model. Several homebuilt and spam can manufacturers will have aircraft on display for you to try on and in some cases go for a test flight.

One of the large WW-2 hangars will have vendor set up inside of anything you could think of in aviation. Chapter 1217's own Dan Muxlow will be heading up the Aero Mart which is a large airplane flea market that has all sorts of unique stuff. To consign stuff to sell or if you want to volunteer in this specific area drop Dan an email at N27DM@cox.net.'

COPPERSTATE VOLUNTEERS

Call for Volunteers! The Fly-In is coming and we have several areas that need volunteers. Also, this year we have modified the trams and will be using pickups instead of the antique tractors to pull them. If you have a pickup and would like to volunteer, we need several more trucks and drivers to make this all work.

Actually, we need four more pickups and drivers to pull the trams and two pickups and drivers willing to work the water trailers to keep the parking lots damp. The week prior to the show we will deal with hitches required and COPPERSTATE can supply them as

required. Email Dennis McLain at volunteers@copperstate.org if interested and for more details.

Check out the website for volunteer opportunities:

<https://www.copperstate.org/volunteers/>

CHAPTER 1217 HOLIDAY PARTY

It's not too early to start filling in that Holiday Party calendar. A couple of changes have been made to this year's party to hopefully improve the turnout. The date is **Sunday** December 10th starting at **4 PM**. The one thing that stays the same is that Ron Landon and his wife Sherrie will host the event at their home in the Arcadia District. Hopefully more folks can enjoy sitting on the patio and enjoying the Landon's beautiful backyard and wildlife sanctuary.

FAA CERTIFIES WALMART GAMEBIRD

The FAA has certified the GameBird GB1 aerobatic airplane, clearing the way for the aircraft to be sold in the United States.

The GB1 will be manufactured by Game Composites in Bentonville, AR. The GB1 received EASA certification in May. The FAA validated the EASA certification for the airplane on August 29.. Continued on page 3



Aerobatic Game Bird GB1

Game Bird was founded in Great Britain, but the airplane will be manufactured in a 40,000-square-foot facility adjacent to Bentonville Municipal Airport, Aerobatic airplane designer Philipp Steinbach, one of the partners in Game Composites, said that the U.S. "is where the market is." His business partner, Stuart Walton, grandson of Walmart founder Sam Walton, lives in Bentonville, making that choice an easy one, he said.

Steinbach said that the design work will continue to be done in Europe, with manufacturing and completions done in Bentonville.

EASA certification came less than four years after the airplane was initially conceived. The full composite airplane is designed for full aerobatic flight up to +/- 10g. It has two seats in tandem configuration and can be used for aerobatic training and competition in all aerobatic levels, according to an EASA news release announcing the certification in May.

Steinbach flew the GB1 from Arkansas to AirVenture in Oshkosh, WI this summer. The airplane has a base price of \$400,000, and the company says it has sold 11 so far.

BOEING SPONSORS

GO FLY CHALLENGE

The jetpack has been something of a "Holy Grail" of aviation. And while some have come close, developing a practical, working jetpack has also been an engineering challenge that has yet to be solved.

Enter Boeing and the GoFly Challenge, which calls on all inventors and doers to make human flight a reality by building the world's first personal flying device for anyone, anywhere. Over the next two years, teams will compete to win \$2,000,000 in prizes, creating revolutionary technology and accessing the top minds in aerospace.

According to the GoFly website, the device must be safe, useful, and thrilling, but the design and function of the device is up to teams, which will have access to the top names in aerospace and aviation, engineering, design, finance, and law. The GoFly Masters and Mentors are available to help all teams as they bring their devices to life, offering one-on-one guidance and regular seminars. Each EAA Chapter will have a Go

Continued on page 4

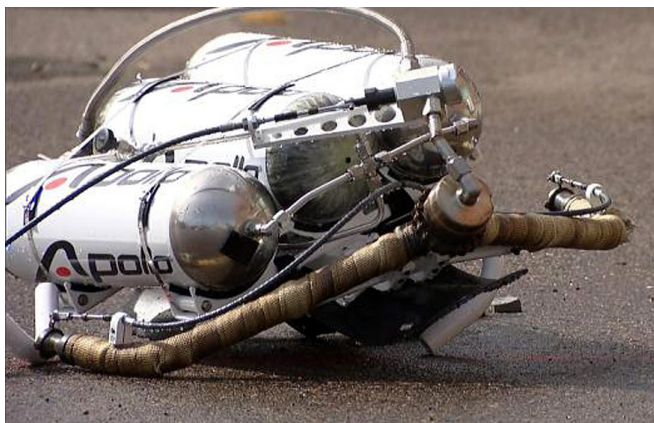
Fly Master designated to help Chapter members, our Mentor is Bernie Gross.

The GoFly Prize will culminate in a Final Fly-off where all teams will debut their personal flying devices—and make history.

Boeing has come onboard as the "Grand Sponsor" for the challenge. "The GoFly Prize competition aligns with our company's goals of inspiring people across the globe and changing the world through aerospace innovations," said Greg Hyslop, Boeing's chief technical officer. "We're Excited to see how the visionaries of the future will take on this ambitious and exciting challenge."

Additional sponsors include The Vertical Flight Technical Society, AUVSI, AIAA, SAE International, GAMA, The Society of Experimental Test Pilots, the Royal Aeronautical Society, EAA, and AOPA.

For more information: goflyprize.com



**Boeing to sponsor Jetpack development.
With hopefully Better Results than this.**

AIRVENTURE ADDS \$170 MILLION TO OSHKOSH ECONOMY

EAA AirVenture Oshkosh, the world's largest annual fly-in gathering and one of Wisconsin's tourism crown jewels, is also an economic powerhouse for the state. A new University of Wisconsin Oshkosh study concludes the annual event contributes \$170 million of economic benefit to the state's Fox Valley region each year.

The UW Oshkosh Business Success Center conducted the study during EAA AirVenture

Oshkosh 2017. Dr. David Fuller from the UW Oshkosh department of economics led the study team, which surveyed hundreds of guests and exhibitors regarding their spending patterns during the weeklong event.

The study showed direct spending by AirVenture visitors and exhibitors totaled \$121 million in the five-county Fox Valley region (Winnebago, Fond du Lac, Outagamie, Calumet, and Brown counties). That spending created additional spending of nearly \$50 million for area business, based on established and recognized regional economic models. In addition, EAA AirVenture supported more than 2,000 jobs in the region. Additional AirVenture-based spending through the rest of Wisconsin contributed millions of dollars of added economic benefit statewide.

The benefit to Wisconsin is magnified as approximately 70 percent of all AirVenture attendees come from outside the state, bringing "new money" to Wisconsin. Lodging and camping account for 35 percent of the average daily spending per day for each visitor, and includes those staying in hotels, campgrounds, college dormitories, and private housing. Food, entertainment, clothing/retail, and fuel are also major benefactors of the economic impact, along with unexpected spending in such areas as event staffing, landscaping, and many other linked industries.

"EAA AirVenture is a major reason that Oshkosh is branded as 'Wisconsin's Event City,'" said Amy Albright, executive director of the Oshkosh Convention and Visitors Bureau. "This new information reinforces the impact that AirVenture has on the city and the surrounding region, and brings worldwide visibility to Oshkosh."

With a total attendance of 590,000 from 80 countries this year, EAA AirVenture Oshkosh remains one of Wisconsin's largest annual tourism attractions. Although the comprehensive study tracked only economic

Continued on page 5

impact inside the five-county Fox Valley region, cities and counties throughout Wisconsin benefit from the annual EAA convention.

“The results of this study show that the overwhelming economic benefits of EAA AirVenture are not on the event grounds itself, but in the businesses and communities of the Fox Valley region and Wisconsin,” Pelton said. “We know that Wisconsin’s

leaders and policymakers understand the value of having this event in the state. We will continue striving to make the attendee experience even better, so our state and region and can see even more benefits in the future.”

Planning is already underway for EAA AirVenture Oshkosh 2018, which will take place on July 23-29.



**Jack Pollack’s new project, a Bakeng Duce.
Picture taken before he bought it**

MAHALO UNITED

FINAL BOEING 747 FLIGHT

'Friend Ship' Will Recreate The Journey Of The First United 747 Flight From 1970. In celebration of United Airlines retiring the Boeing 747 from its fleet, United flight 747, on Tuesday, Nov. 7 from San Francisco to Honolulu will be the airline's farewell flight to the 747 fleet.

This journey will serve as the ultimate throwback for customers, employees and

invited guests as it recreates the first 747 flight operated by United in 1970. From a 1970s-inspired menu to retro uniforms for flight attendants to inflight entertainment befitting of that first flight, passengers will help send the Queen of the Skies off in true style. The original United 747 aircraft that first made this journey from San Francisco to Honolulu was named the "Friend Ship," the same name bestowed on this farewell flight.

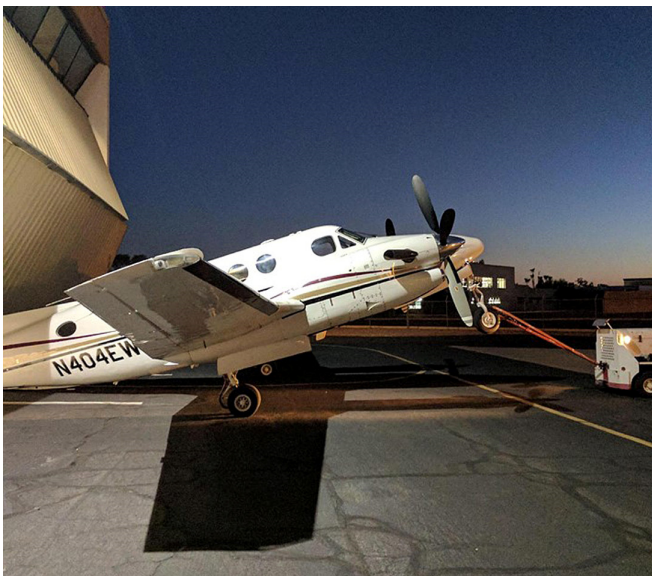
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Seats on this special, one-way trip, United flight 747, are available for purchase now at united.com or through the United app. The seats in the upper deck will not be sold, giving all guests the opportunity to spend time in this iconic space.

Customers seated in United Polaris first class and United Polaris business class will be entered into a drawing that will take place at the gate prior to boarding for an opportunity to occupy one of a select number of seats in the upper deck during the flight.

The journey will begin with a gate celebration at 9 a.m. local time at San Francisco

International Airport, featuring a Boeing 747 gallery, remarks from United employees and executives, as well as refreshments. The flight will depart San Francisco International Airport at 11 a.m. local time, landing at Honolulu International Airport at 2:45 p.m. local time. Upon landing in Honolulu, local employees will welcome the aircraft with final festivities to close out the historic day. Customers and fans of the Queen of the Skies are encouraged to use the #UA747Farewell hashtag in social media posts. Early on the morning of November 8 the plane will depart Hawaii for Victorville, California, its final resting place.



**Accident at SDL Air Commerce Building
Never Trust Door Cables**



**Jerry Lane Trying out Curtis' RV-8.
He said it's faster than His Taylorcraft**



**These derelict airframes are all that's left of two of the oldest homebuilts in Oregon.
The one with the yellow nose was Curtis' Dad's Storey Special. They will fly again!**

ThunderAds

FOR SALE, ETC.

VANS RV-12 EMPENNAGE KIT

Paid \$2495 obo; Fasteners for the entire kit, paid \$285 obo; Avery/Cleveland RV-12 Tools, paid \$1800 obo; RV-12 kit and tools are in new/unused condition; All reasonable offers. Thomas Harper 480-268-5499 Tm00harp@yahoo.com

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 birdgangft@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

HOMEBUILT AIRCRAFT CERTIFICATION

ABDAR Gary Towner 928-535-3600

ANNUALS, RESTORATIONS, FABRIC WORK

Eloy Airport Julie White 520-466-3442

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

**Thunderbird Field
EAA Chapter 1217
5450 East Voltaire
Scottsdale, Arizona 85254**

