



The ThunderWord

Thunderbird Field EAA Chapter 1217 September 2017

Scottsdale, Arizona

PRESIDENT'S CORNER

Greetings from my corner of the hangar! Last month's guest speaker was Chapter 1217 member Bill Unternaehrer who gave a great presentation on testing UAV aircraft flying in the national airspace system. Bill went through each mission's goal, briefing, flying the test card and debrief. It was incredible the amount of work that goes into computing the algorithms the ADS-B systems used. As usual a big thanks to Jack Pollack for working with Bill to put together the power point presentation.

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.

BasicMed is a topic that's on a lot of our member's minds as they think about their future flying. I am trying to line up a Doctor to come in and speak, but haven't had any luck yet. If you have done the required training and examination please drop me a note.

Earlier this month I took a trip up to Port Townsend Washington to the Wooden Boat Festival. Besides sixty-five degree weather and hundreds of cool boats there were lots of free workshops. Of particular interest to Chapter 1217 members who use the System Three Epoxy is that Amazon has all their products in stock and can be ordered online with free shipping to Prime members. It turns out that the Amazon Fulfillment Warehouse is right next to the System Three factory in Kent Washington. I also got some much needed

dual instruction on table saw safety and techniques.

See you at the September meeting!

Curtis

SEPTEMBER CHAPTER MEETING

The September meeting of Thunderbird Field EAA Chapter 1217 will be held on Thursday, September 21st, beginning at 7 pm. This month's speaker is Klaus Plasa who travels around the world performing test flights on Focke-Wulf 190 aircraft. Plasa is a pilot in the modern Luftwaffe and a graduate of the National Test Pilot School in Mojave, California, He has a lot of experience flying vintage WWII German aircraft types including ME-109, ME-163 (replica) and is Flugwerk's main test pilot. He is also a regular on the European air show circuit. Thanks to Chapter VP Terry Emig for lining Klaus up to speak.

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 last month 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!

MODIFIED MUSTANG

SETS SPEED RECORD

At 5:30PM Mountain Daylight Time 9/2/17 Steve Hinton Jr. flew a highly modified P-51 Mustang to a New World Speed Record of

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531.53 MPH, thereby achieving the goal of becoming the Fastest Piston Engine Propeller driven Airplane in the World. The fastest lap reached a Speed of 554 mph.

The Airplane is owned by Bob Button and was sponsored by Joe Clark and Aviation

Partners Inc. of Seattle. The Aerodynamics for the Wing modification were designed by Aviation Partners Inc., known as The Winglet Guys. The record was achieved at Clark's Ranch in a remote part of Central Idaho.



Klaus Plasa takes a spin over the Arizona Desert in a Focke-Wulf 190

AIRBUS PERLAN II SETS WORLD RECORD

Airbus Perlan Mission II, the world's first initiative to send an engineless aircraft to the edge of space, made history Sunday in the Patagonia region of Argentina by soaring to 52,172 Feet, Breaking a record set by Perlan 1 In 2006. This set a new world altitude record for gliding.

"We are celebrating an amazing victory for aerospace innovation and scientific discovery today, and we're so thankful to all the

volunteers and sponsors whose years of tireless dedication have made this achievement possible," said Ed Warnock, CEO of The Perlan Project. "We will continue to strive for even higher altitudes, and to continue our scientific experiments to explore the mysteries of the stratosphere. We've made history, but the learning has just begun."

"With every Airbus Perlan Mission II milestone, we continue to learn more about how we can fly higher, faster and cleaner.

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Another View of the Focke-Wulf 190 being flown by Klaus Plasa

But we also learn that aviation still has the power to surprise us, thrill us, and motivate us to find new frontiers of endeavor," said Tom Enders, Airbus CEO. "Perlan's outstanding aviation success is the result of bold thinking. It's this kind of thinking that is the cornerstone of our vision for the future of Airbus, which we hope will inspire a new generation of aerospace explorers and innovators."

Chief pilot Jim Payne and co-pilot Morgan Sandercock completed this historic Perlan 2 flight from Comandante Armando Tola International Airport in El Calafate, Argentina, surpassing the previous 50,727-foot world record for glider altitude that was set in the unpressurized Perlan 1 by The Perlan Project founder Einar Enevoldson and lead project sponsor Steve Fossett in 2006.

Airbus Perlan Mission II is an initiative to fly an engineless glider to the edge of space using weather phenomena called stratospheric mountain waves, rising air currents that are significantly heightened a few times a year in only a couple places on earth by the polar vortex. The area around El Calafate, nestled within the Andes Mountains in Argentina, is one of those rare locations where these rising air currents can reach the stratosphere.

Because of its engineless design, the Perlan 2 glider is a unique platform for scientific discovery, and is carrying aloft on every flight experiments ranging in focus from factors influencing climate change to radiation effects on pilots and aircraft at high altitudes.

Following the completion of the mountain-wave gliding season in Argentina, Airbus Perlan Mission II will return to Minden, Nevada, where the all-volunteer team will modify and enhance the Perlan 2 glider based on information acquired in this year's test flights. Ultimately, the Perlan Project will attempt to reach 90,000 feet, a world altitude record for any wing-supported flight, with or without an engine.

RV-12iS UNVIELED AT OSHKOSH

At this year's AirVenture, Van's Aircraft had their latest model of the RV-12 on display. They have made several upgrades to their popular RV 12 model, starting forward of the firewall and continuing back through much of the airplane.

The most obvious of the changes is the installation of the Rotax 912iS engine. The new engine produces more torque which improves the climb rate and cruise. In "eco" mode, the airplane is showing fuel savings of

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between 25 to 30 percent with the iS engine. Other changes include improved stress limits and landing gear, which will be welcomed by flight schools. The fuel tank has been redesigned, and the baggage limit has been increased. It's also easier to get to the baggage area. The throttle has been moved down into a throttle quadrant between the seats, a change suggested by customers and

builders. These refinements will add some cost to the airplane. The engine itself is about \$5,000 more. But the company worked diligently to keep the "delta" as low as possible.

When asked what he thought about the new RV-12, Chapter 1217 member Denny Myrick said it's nice they put cup holders in it!



Manfred and Kelly Kreiselmeier visited the Red Bull Hangar 7 in Salzburg Austria

FAA FSDO's DISBANDED

The FAA's organizational restructuring of its Flight Standards Service has been much publicized, but will not change how pilots and others directly connect with the offices throughout the country. The FAA implemented the restructuring to "allow it to operate with greater accountability, better use of resources, and more readiness to adapt to change." The updates change the names, structure, and alignment of offices and personnel within Flight Standards Service, but not how and when you contact the local FSDO.

The goal of the reorganization is to make these offices more efficient in both external and internal interactions. Under the updated structure, the Flight Standards District Offices (FSDOs) are functionally aligned under the Office of General Aviation Safety Assurance. Certification, surveillance, and certificate management of general aviation operations will be the primary responsibility of these offices. The FAA's responsibilities in regard to airman education, compliance and enforcement, designee management, and accident investigation and prevention will also

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fall under the General Aviation Safety Assurance office.

On the policy level, the EAA government advocacy team is familiarizing itself with the reorganization efforts of both the Flight

Standards and Aircraft Certification Services within the FAA. EAA will continue to leverage relationships with senior FAA staff to ensure major policy reform efforts are unaffected by the changes.



Another View of the Red Bull Hangar 7 in Salzburg Austria

PRESCOTT FLY-IN & AIRSHOW

Mark your calendars for Saturday, October 7, as Embry-Riddle Aeronautical University and the City of Prescott will co-host Wings Out West, which will feature an aerial demonstration, numerous static displays, an aeronautical tech fair, and a regional fly-in. A variety of food vendors and concessions will also be on site.

Fly Prescott is currently looking for volunteers so please check out following link: www.flyprc.com/volunteer or contact Guy directly.

Guy Roginson, Event Director

Fly Prescott - FlyPRC.com

Direct: [310-745-4711](tel:310-745-4711)

Email: iFlyPrescott@gmail.com

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Jordan Ross and Denny Myrick at the Thunder over Flagstaff Fly-In 8/26/2017



Fly-Over by Multiple RV's from EAA Chapter 856

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.

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

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