



# The ThunderWord

Thunderbird Field EAA Chapter 1217

October 2016

Scottsdale, Arizona

## **PRESIDENT'S CORNER**

Greetings from my corner of the hangar! At the September Chapter meeting, Gary Hertzler did a multipart program that first included information on the new subminiature ADS-B units that sell for a few hundred dollars and some of which can be assembled from a kit. Act two of the evening went through the design, construction and testing of the Silver Bullet propellers that Gary produces. Act three dealt with the design, construction, flight testing and records that he has accomplished with his VariEze. During this part of the presentation, he also gave us a background on the CAFE Foundation and the different flight challenges they offer to improve aircraft efficiency. It was an interesting and informative presentation and ranked in the top three presentations we have had in the past 17 years.

Be sure and mark your calendar for the Copperstate Fly-In on October 28 and 29. This year they have moved to Mesa's Falcon Field so it is a lot closer. Fly-In Chairman Steve Bass and his hard working volunteers are pulling out all the stops to make this the biggest and best Copperstate ever.

We still do not have a meeting place for after the New Year, so if you have any input or ideas please don't hesitate to contact me.

See you at the October meeting!

*Curtis*

## **OCTOBER CHAPTER MEETING**

The next meeting of Thunderbird Field EAA Chapter 1217 will be held on Thursday, October 20<sup>th</sup>, starting at 7 pm. The location is the Scottsdale Aviation Business Center, 15041 North Airport Drive. This month's guest speaker is Chapter member David

Kujawa, who has put together a double-sided program for our October meeting. One part will be on his visit to Mojave, California for the rollout of the new Space Ship 2 and the associated gala celebration. On the flip side will be a presentation on this year's AirVenture Fly-In with tons of pictures of all the cool planes. It will be interesting to see what made David's list of photo worthy planes.

Guests are always welcome.

## **SPECIAL EVENT**

### **AT NOVEMBER MEETING**

Chapter member Fred Gorrell will be presented with a very special lifetime achievement award at our November meeting. Ernie Copeland and Tina Buskirk from the FAA Scottsdale FSDO will be presenting Fred with the Wright Brothers Master Pilot Award for 50 years of service to the aviation community. We will be having cake and drinks to help celebrate. We will of course have an interesting program for what is probably our last meeting in the old FAA building.

## **COPPERSTATE AEROMART**

Chapter 1217 member Dan Muxlow has volunteered to be the Chairman of the Aeromart at the 2016 Copperstate Fly-In. This year's Fly-In is scheduled for October 28 and 29 at Falcon Field in Mesa. Dan would like to recruit some Chapter members who would be interested in helping out. It's a great job where you get free admission and food. You work your shift and are free to browse the flight line. Contact Dan at [N27dm@cox.net](mailto:N27dm@cox.net)



**Canadar CL-415 Amphibian to be built by Viking Air in Victoria, British Columbia**

## **VIKING ACQUIRES**

### **CANADAIR AMPHIBS**

Viking Air Limited of Victoria, British Columbia, has completed the acquisition of the Amphibious Aircraft program from Bombardier, including transfer to Viking of the Type Certificates for the CL-215, CL-215T, CL-415 aircraft and all variants.

Upon completion of the Type Certificate transfer, Viking is designated as the Original Equipment Manufacturer (OEM) for the amphibious aircraft fleet, including full manufacturing design rights for all variants. Viking also assumes responsibility for in-service product support for the fleet of 170 water bombers currently in operation in 11 countries worldwide.

“The completion of this acquisition is a significant milestone, and now allows us to fully engage with the operator group to understand their requirements,” said David Curtis, President and Chief Executive Officer of Viking and Chairman of Longview Aviation Capital. “Aerial firefighting capability is becoming increasingly important, and with our leadership in supporting utility aircraft, we look forward to working with operators to ensure these vital aircraft remain ready to

perform to their full potential protecting communities and critical infrastructure.”

Viking has over 40 years experience supporting a wide-range of utility aircraft, as well as the OEM for the Beaver and Twin Otter that they have put back in production. To learn more about this amazing company go to: [www.vikingair.com](http://www.vikingair.com)

### **COPPERSTATE FLY-IN INFORMATION**

October 28 & 29, 2016

Friday: 8:00am – 5:00pm

Saturday: 8:00am – 4:00pm

Admission: - \$25 All-Events, \$15 per person Friday & Saturday, \$13 Active Duty/Retired Military with ID, and 18 and under FREE

### **COPPERSTATE WORKSHOP**

#### **SCHEDULE FOR 2016**

Each COPPERSTATE Workshop is led by an experienced leader in the craft. The Workshops are an excellent way to get started learning a new skill. You’ll be introduced to the materials, the knowledge base and the guidance materials that you’ll need to continue your journey of self-education.

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Not every workshop has the same structure. Each workshop leader is authorized to schedule and run the workshop as they see fit. You may contact the leaders via email prior to the event. Plan two hours for each workshop.

Composites is a two-session workshop. A lecture is first delivered one hour prior to the workshop schedule in one of the forum tents. It is then followed by the hands-on layup work in the workshop tent.

The schedule for the workshops include:

### **Friday and Saturday**

Composites 11:00 am Forum Tent 3  
12:01 pm Workshop

Sheet Metal 9:00 am  
2:00 pm

### **Workshop Leader Biographies**

#### **Sheet Metal: Doug Combs**

Doug has restored and repaired Luscombe sheet metal aircraft for 40 years. He is well known for his efforts in the preservation of Luscombe aircraft. Doug has trained many sheet metal mechanics and organized the work of the Luscombe. Advance scheduling for this seminar is recommended at 602-790-7240 or [mr.luscomb@luscombesilaire.info](mailto:mr.luscomb@luscombesilaire.info).

#### **Composites: Gary Hertzler**

Builder of the VariEze composite aircraft which has over 4,000 flying hours and currently holds the CAFE Challenge efficiency award plus a World's Record closed course distance record. Gary manufactures high performance propellers for high speed Amateur Built aircraft. Just two sessions will be held for composites, so plan ahead. [hertzler@yahoo.com](mailto:hertzler@yahoo.com)

#### **Composites: Terry Schubert**

Terry grew up with model airplanes and began flying at 15. He built a Long-EZ, which made its first flight in 1986. He is the 25-year editor/publisher of the international canard type Central States Association newsletter. He has hosted many discussions on

efficiency modifications to his Long-EZ, accumulated a world altitude record and flown it over 4,000 hours. [jschuber@juno.com](mailto:jschuber@juno.com)

### **EAA SURPASSES 200,000 MEMBERS**

EAA has reached a major milestone, as the association has surpassed 200,000 members. It appears that more and more pilots are finding EAA represents their kind of flying more than ever before.

“We reached this milestone by building on the legacy established by our founder, Paul Poberezny, more than 60 years ago when he stated that all who wish to participate are welcome,” according to Jack J. Pelton, EAA CEO and chairman of the board. “Paul understood the basic desire for the freedom of flight, and the dedication from EAA’s members, chapters, and staff have made it possible to grow the organization to new levels. I thank every EAA member who has contributed through the years to EAA’s achievements. We celebrate this milestone together.”

Pelton added that EAA’s value and growth are especially notable as a counter to a decreasing number of active pilots in the U.S. Fewer than 600,000 active pilot certificates are now held by U.S. residents, a number that EAA and its members have sought to reverse with programs to meet the organization’s mission, which focuses on “growing participation in aviation by sharing The Spirit of Aviation.”

Among EAA’s popular outreach initiatives is the Young Eagles program that introduces youth ages 8-17 to aviation by offering free demonstration flights hosted by members and chapters.

EAA continues to expand its programs for members involved in homebuilding and restoration of aircraft. We’ve also created partnerships with other aviation-minded organizations, such as the Soaring Society of America, IMC Clubs, and the Academy of Model Aeronautics. These cooperative ventures are discovering ways to work

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together to inspire interest in all forms of flight, including emerging unmanned aerial technology or “drones,” as well as creating pathways for people to engage in and enjoy aviation in various ways in their own hometowns, whether it is directly through flight or other educational activities.

“EAA’s success is based on a basic principle of sharing the knowledge, information, and passion for aviation,” Pelton said. “Our organization is also dedicated to getting it done – breaking down barriers that keep people from pursuing their own dreams, and encouraging innovation to take us over the next horizon of flight.”



### **Junkers F13 Replica on first flight over Switzerland**

#### **JUNKERS F13 MAKES FIRST FLIGHT**

A project to bring back the Junkers F13 reached a significant milestone September 15, 2016. The official first flight of the replica took place in Dübendorf, Switzerland, almost 100 years after the launch of the ‘mother of all commercial aircraft’. With the take-off, what was constructed under the project name ‘Rimowa F13’ became a veritable Junkers F13 - extending the legacy of the visionary professor Hugo Junkers. The aircraft was named ‘Annelise 2’ as a nod to one of the first Junkers F13 planes.

The aircraft smoothly lifted off in just over 650 feet. Its engine delivers 450 hp and a cruising speed of 95 knots. Screens on the airfield displayed live images from the cockpit. The replica features significantly more technical equipment than the cockpit of an original Junkers F13.

Like the original 100 years ago, the Junkers F13 has an open cockpit that was occupied by test pilot Oliver Bachmann, along with Rimowa President & CEO, Dieter Morszeck, who has been a private pilot himself for 34

years. The Junkers F13 touched down smoothly and was met with sustained applause. “This is a dream come true for me,” said Morszeck after the flight. “The Junkers F13 is back in the air and I was fortunate enough to experience its official first flight as a member of the crew! What more could I ask for?”

It took seven years of research, planning and approvals between the initial idea and the aircraft’s maiden flight. Three strong partners joined forces to accomplish this project: JU-AIR, the Association of Friends of Historical Aircraft (VFL), and Rimowa.

The Junkers F13 was the world’s first all-metal commercial aircraft. It was developed by the German entrepreneur, engineer and visionary Hugo Junkers in 1919. The F13 achieved an altitude record of 22,145 feet on September 13, 1919, which was an incredible feat at the time. The first aircraft made of duralumin was manufactured at the Junkers plants in Dessau until 1933.

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The team comprising the companies Kälín Aero Technologies, MSW Aviation, Naef Flugmotoren AG, AeroFEM GmbH and JU-AIR spent 24 months building the Junkers F13. The F13 team performed research in numerous archives spread across multiple countries in order to develop the construction

plans. A Junkers JL6 at the Museum of Air and Space at Le Bourget in Paris proved to be especially valuable. It was measured using lasers and the data was then fed into state-of-the-art 3D construction software. For more information and pictures go to [www.junkersf13.de](http://www.junkersf13.de)



Photo taken by Amy Lilavois who was backseating in Mike Lynch's CJ-6 on the Sedona Air Fair trip 9-17-16. Chapter member Jordan Ross was riding in Tom Mitchell's T-34. Another Chapter member Lynn Miller was flying his yellow RV-8, as they flew over the red rocks of Sedona



**Lynn Miller in his Yellow RV-8**



## DYNON D10/D100 REBATE OFFER

Do you have a D10/D100 series equipped aircraft that you've been thinking about upgrading to a SkyView or an AF-5000 series system? Or perhaps you are thinking about your 2020 ADS-B Out compliance plan? Dynon Avionics wants to thank its loyal customers and at the same time avail them of the latest Dynon ADS-B technology.

They're thanking their D10/D100 customers with a limited time offer.

Upgrade to a new SkyView or AFS system with 2020-compliant ADS-B Out between September 26 and November 30, 2016, and Dynon will rebate 75% of the price of eligible D10/D100 series instruments you already own when they are traded in. All the details can be found on the Dynon website: [www.dynonavionics.com/rebate/](http://www.dynonavionics.com/rebate/)



**Chapter member Tod Dickey in his Grumman Widgeon was the last arrival on Thursday evening at the Clearlake Splash-In, Lakeport, CA**

### THUNDERBIRD FIELD EAA CHAPTER 1217 CONTACTS

|                          |                     |                    |  |
|--------------------------|---------------------|--------------------|--|
| President .....          | Curtis Clark .....  | 602 710-4494 ..... | <a href="mailto:EAACChapter1217@aol.com">EAACChapter1217@aol.com</a>                   |
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| Young Eagles .....       | POSITION OPEN ..... |                    |  |
| Technical Counselors     | Dan Muxlow .....    | 480 563-4228 ..... | <a href="mailto:N27DM@cox.net">N27DM@cox.net</a>                                       |
|                          | Chapter Website:    |                    | <a href="http://www.ThunderbirdField.com">www.ThunderbirdField.com</a>                 |

# ThunderAds

## **FOR SALE, ETC.**

### **Completed RV-7A tail kit.**

Completed and zinc chromated. Nate D'Anna  
602 891-4771 Email [Natedanna@q.com](mailto:Natedanna@q.com)

### **T-34 MENTOR PARTNERSHIP.**

This is a turn-key, established partnership in a very nice Beech T-34. Plane is hangered at Falcon Field. Contact Lynn Miller 602 448-7487 or 602 585-0795 e-mail [LynnMiller777@gmail.com](mailto:LynnMiller777@gmail.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](mailto:birdgangft@gmail.com)

### **'65 MOONEY**

Very clean, 4000TT, 22 hours SMOH, \$41K with new annual, Goodyear hangar, Joe Hobbs [joseph.hobbs@cox.net](mailto: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](mailto:w7lov@cox.net)

### **LYCOMING O-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](mailto: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](mailto:RothDevCor@aol.com)

## **SERVICES, ETC.**

### **OIL COOLER REPAIR AND SALES**

Chapter member owned. R & E Cooler Service  
800-657-0977 [www.oilcoolersvs.com](http://www.oilcoolersvs.com)

### **ANNUALS**

Owner Assisted. Jim Moss 520-440-2191  
[www.northside-aviation.com](http://www.northside-aviation.com)

### **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](mailto:fgorrell2@cox.net)

### **HOMEBUILT 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

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[EAChapter1217@aol.com](mailto:EAChapter1217@aol.com)

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