



MAY 2021

CHAPTER OFFICERS AND STAFF

All phone numbers are area code 480 unless noted.

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DIRECTORS	Gary Christensen	225-9454
	Gordon Craig	329-7672
	Todd Bristol	755-4200

FOR THE MAY MEETING

•NOTICE! The Board of Directors have decided that we will continue holding in-person chapter meetings. The meetings will be held at the CAF. As before, enter from the south side of the building. Pizza and drinks for a \$5 donation will be available from 6:00 to 7:00 pm with the meeting at 7:00 pm. There will not be a webcast of the meeting.

•**It's membership renewal time.** A real bargain, your Chapter dues are still only \$20 per year. See Don Croyle to renew your commitment to Chapter 228 ASAP.

•For the May meeting, Andy will have an informative Safety discussion and will also have a presentation on the installation of the Electronic Fuel Injection (EFI) system in his airplane.

CALENDAR

DATE	EVENT
Tues. 5/25/2021 @ 7:00 pm	In Person Meeting
Tues. 6/8/2021 @ 6:30	Board Meeting Webinar
Tues. 6/22/2021 @ 7:00 pm	In Person Meeting
Thursday Coffee @ 8:00 am	Falcon Warbirds Ready Room

CHAPTER SOCIAL ACTIVITIES

The chapter social activities are on hold for the moment because of the Coronavirus, and will resume when the crisis has passed.

EAA Chapter 228 Falcons Membership Meeting Minutes Summary

April 27, 2021

The April meeting of the Falcons was an in person meeting at the CAF hangar. President Trent Heidtke brought the meeting to order at 7:00 PM. There were 25 members/guests present.

Trent opened the meeting with a few announcements. First, he is working with the Falcon admin to get a chapter specific message on the new electronic marquee at the airport entrance. We have received several applications for the Ray Scholarship and if you know a possible candidate have them apply now. The 2021 Oshkosh NOTAM is available on line and there are significant changes in the arrival procedures this year. Please read it if you plan to fly in.

Next was an update on Falcon Field as provided to Trent by Lynn Spencer from the administration. New access cards and rules for tenants are coming soon. There is also a plan to scrape and resurface 4/22L. The south runway will be closed for about 8 days. A start date has not been established. The tenant bathroom remodel has started but is behind schedule. If you have a hangar inspection coming up, expect to be told to replace your fire extinguishers (due every 5 years). Falcon Field Administration is limited to telephone support only due to the Corona virus. Other airport businesses are open but may have limited hours. Please try to support them in these difficult times.

Construction of new hangars on the north side is moving along. They have made good progress in the past six months.

EAA calendars are available for \$12 each. If you would like to purchase one, see Trent. We also have received EAA "Oshkosh 2020" merchandise (hats, shirts, pins and patches) and they are available for purchase. Contact Don Christensen.

This months shout outs go to Young Eagle pilots Libby P, Rick B, Alan K and Gary H. Also,

congratulations to Aaron Walker who added a CFII rating.

The Treasurer reports that the account balance is about \$5200. Your Chapter dues are needed.

Next Trent gave an update on members build projects.

- | | |
|--------------|--|
| Glen D. | Dyke Delta – has not started but still plans to build. |
| Don H. | Onex - has been working almost daily. He has the controls installed, brakes bled and rudder pedals installed. |
| Keith P. | Velocity - can't drive out of Canada due to COVID restrictions. |
| Lewis M. | RV-8 - his plane is pretty much done. He has run the engine several times and is satisfied with his custom exhaust that looks like an ME 109. Just needs to finish the fiberglass work on the elevator/rudders. |
| Alex and Kim | RV-7 - have been working on baffling and exhaust. Finishing up the wiring to the instruments. They are using a Slick mag on the left side and a Pmag on the right. Almost done with the firewall forward work. Hoping to get into a hangar in the next two months. |
| Aaron W. | RV-10 - still working on the pilot door. |
| Sandy D. | VK-30 - moved into new hangar. Working on gear and air stair. Made his own jacks for gear swing testing. Has an issue with servicing oil due to location on the IO-540. Recommended he check with Les and Dean at Lycon. |
| Keith D. | Rotoway - made a new dolly/tow bar. Showed a video of his helicopter flying. |

Social dinners on hold but may resume soon as restaurants are opening back up. Thursday coffee (8:00 AM) in the newly revamped Warbirds ready room. Come check it out.

Here is the current outlook for fly outs:

5/01-Coolidge breakfast

7/26- 8/1 Oshkosh

10/11-13 Page and Bryce Canyon CTLS group fly out (see Todd B)

Trent gave the airspace and accident news.

Be aware of the parachute activities from Coolidge to Tucson. The Mobile glider field is now being used for military parachute training and is extremely busy.

Jim Timm reports that pilot deviations are increasing. Be vigilant and make sure you hear/comply with ATC instructions.

There were several accidents to report:

A C-150 had a hard landing at Marana with substantial damage. A Cirrus SR-22 made an off airport landing after engine stopped and parachute failed to deploy. Possible low oil condition and/or fuel contaminations suspected. A PA-22 ground looped at Cottonwood. There were also two controlled flight into terrain crashes involving a C-140 and a Swearington. Finally, there was a C-182 accident at Sedona.

The next YE event will be Dianna's summer group on June 5th. An EVIT and Mesa schools event is planned for Oct/Nov.

Andy Elliott gave his safety briefing on Trial and Error.

If you wanted to get a multi engine rating, would you go up in a twin by your self and try to teach yourself how to fly it? Probably not, but this is the way most of us approach learning to use complicated avionics. Andy gave his own personal example of how this is not the best approach.

Andy recently installed a GNC 375 GPS COM. After reading the manual and watching a few youtube videos, he went off to try making a VNAV approach to RWY 05 at Casa Grande. He entered all of the required info for the approach and entered

the stack. Everything went fine during this day flight. The airplane flew the approach perfectly.

He attempted this scenario three more times, including a night approach and he could not get it to work. Finally after many more internet searches and youtube videos, he finally called Advanced Flight Systems and talked to an actual expert. His advice was to go back and read the manual. It turns out, the issue involved the MINS bug was not set correctly. The system would not let him fly the approach with the parameters set in.

Bottom line, the best way to learn a new piece of equipment is to thoroughly read and understand the manufactures operating instructions. If you use on line tutorials, make sure they are presented from someone with the right qualifications (best to use tutorials from the equipment manufacturer). Train before you fly.

Thank you Andy.

Tonights program presented by Gary Hertzler was on the use and interpretation of borescope readings. Gary started off by reviewing the recommendations of Lycoming and Continental for pass/fail for differential cylinder pressure readings, commonly called the leak test. Lycoming considers 70/80 or higher acceptable and <60/80 requires cylinder removal. Continental says you can go to 42/80 with a satisfactory borescope evaluation. In fact, they recommend bore scoping cylinders annually.

A leak test can reveal three common leaks: induction leak, exhaust leak and a crankcase leak (usually piston rings). A borescope will help you identify the source of leaks and check the condition of cylinder walls and exhaust valves. Gary uses the Oasis Scientific rigid borescope with articulating head. The probe is installed in a spark plug hole and manipulated to examine cylinder walls and exhaust valves. Normally cylinders should show cross hatching marks from the manufacturing process. Glazed cylinders indicate improper break in. Scratches or scoring indicate ring damage or contaminates. Oil puddles indicate blow by due to poor rings as well.

Gary showed pictures of what exhaust valves can look like. Normal patterns are concentric circles with reddish color in the hotter center and more grey near the cooler edges. Non uniform coloring

indicates damage and green zones indicate excessive temperatures and emanate valve failure. (From Gary: this is an excellent and very complete presentation on using a borescope to evaluate aircraft engine condition. It is about 1 hour long but well worth the time invested in viewing).

https://www.youtube.com/watch?v=Dk5o4__0y-4

Thank you Gary.

The next meeting will be on on May 25th. Trent closed with a reminder to keep current by learning.

The meeting adjourned at 8:35 PM.

Respectfully submitted
Michael Cycon, Secretary

PILOT DEVIATIONS

Per a report from the FAA, there were fifteen pilot deviations committed by pilots this past month. These are not being committed by students but by all types of certificate holders. Pilots are entering controlled airspace without permission, not following controller instructions, and not observing runway markings, etc.. The list goes on. Please use care when flying and don't commit a deviation.

228 FLYING CLUB

While our EAA Chapter would like to continue with plans on starting a flying club, the virus pandemic has pretty much caused everything come to a halt. Because of the pandemic, those that had an interest have been distracted with more serious concerns, and once we get thru this present virus situation and things get more normalized, we can re-engage our flying club activity. In the meantime, if you have any questions, please contact; Philip Buckalew at philip@pmbuckalew.com or Don Croyle at (480) 442-0808

CHAPTER 228 WEBSITE

Check out the chapter website <https://chapters.eaa.org/ea228> and please give us your thoughts.

FLIGHT TEST MANUAL

If you have completed your airplane project and are preparing to make the first flight, and subsequent test flights, you really need to get the new EAA Flight Test Manual. The EAA is accepting orders; the member price is \$17.95 and \$22.95 for nonmembers. Order now and the shipping is free.

The EAA Flight Test Manual is a new, comprehensive program for test flying your new airplane. Unique to the EAA's system are test cards that take you through each test flight point-by-point and allow for easy data collection.

Builders who use the EAA Flight Test Manual will complete the program with a thoroughly tested aircraft, a full understanding of their craft's performance, characteristics, and limitations, and have enough data to easily build a comprehensive operating handbook for the airplane.

EAA 228 CHAPTER APPAREL

Do you have Chapter 228 apparel for the upcoming flying events? If not, get your's on order now. Caps with our logo are available. See Mike Cycon to get your caps. To get your order in for polo shirts, contact Don Croyle. We have shirts available for sale in the following sizes, White 2 XL and 2 2XL.

Cost \$25 for the grey and \$15 for the white.

PHOTO OF POLO SHIRTS AVAILABLE



THINGS TO DO

PLACES TO FLY FOR BREAKFAST:

The fly in breakfast at Coolidge Municipal Airport (P08), is on hold for the summer. It will restart in the fall.

On the second Saturday of the month, Ritchies restaurant on Ryan Field (RYN) is serving breakfast after 6 am.

The Falcon Field EAA Warbirds Squadron fly in breakfast, and car show which was on the third Saturday of the month is on hold until the fall. They are still awaiting approval from the City of Mesa to restart.

Grapevine is open full time, but the 3rd Saturday group camping has paused for summer. **Always check for TFRs because Grapevine, which lies within a National Forest, is heavily used by the Forest Service for fighting wildfires and the Military for Special Training.**

The City of Casa Grande has refurbishing the food service area in their Airport terminal area and are having to get all the change permits approved before they can start issuing a requests for quote for someone to provide food handling services. Hopefully the Casa Grande Airport will soon again have a fly in breakfast available.



NEWSLETTER WANT ADS

Listing in the monthly news letter; If you want a picture included in your adv., send it as a JPEG attachment to your request. Also, when you have an adv. placed, please advise when you want it modified or removed. Otherwise, it will run for 3 months as submitted then it will be removed.

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Ph: 480-695-9568

a.s.elliott@cox.net

Discounts for EAA members

Aircraft Parts For Sale

Call Brian Briggerman (602)999-4956
email: blb703@cox.net

Trio EZ-2 Altitude hold system with Gold Standard servo. \$900.

Warp Drive 66" inch 3 blade propeller, SAE-1 hub. \$500.

Spinner, 10 inch 3 blade composite \$100,

Zeftronics voltage regulator #R15V00 Rev A (new) (fits a Continental O-200). \$100.

Bendix King AV80R ACE GPS. \$100.

Pneumatic pulled rivet gun. \$100.

Misc. Items For Sale

I have several small tools for sale that are all in like new condition:

Avery vise grip dimplier, flutter, seamer, and a Goodyear cold flex rubber air hose with quick connect couplings.

"Make reasonable offer for all".

Also I need a piece of phenolic scrap .25 thick by 3" x 3" (or large enough to cover those 3x3 dimensions).

Thanks,
Bob Smith

Please Call Me At; 480-220-3252

