



SEPTEMBER 2024

CHAPTER OFFICERS AND STAFF

All phone numbers are area code 480 unless noted.

President	Don Croyle	442-0808
Vice President	Gary Christensen	225-9454
Secretary	Mike Cycon	213-8874
Treasurer	Dave Bankhead	928-533-9187
News Letter Editor	Jim Timm	839-9187
Director	Todd Bristol	755-4200
Director	Gordon Craig	329-7672
Director	Chuck Flint	602-980-3474
Director	Joe Goetz	415-5087
YE Coordinator	Steve Holt	540-798-7441
YE CO-Coordinator	Bill Worger	993-5959
Socials	Gary Hertzler	897-8167
Flight Advisor	Dave Bankhead	928-533-9187
Flight Advisor	Andy Elliott	985-2239
Tech. Counselors	Gary Hertzler	897-8167
	Bob Greco	602-478-4403

FOR THE SEPTEMBER MEETING

- **NOTICE!** The September chapter meeting will be at the California Aeronautical University (CAU) Hangar. Mike Cycon will issue the meeting location information with the Newsletter.
- **It's membership renewal time.** A real bargain, your Chapter dues are now only \$30 per year
- See Dave Bankhead to renew your commitment now to Chapter 228 ASAP.
- For the September meeting we will have a show and tell of your favorite tool(s). Be sure to bring your favorite tool to the next meeting. Andy will also have the usual very helpful safety briefing.

CALENDAR

DATE	EVENT
Tues.9/24/2024 @ 7:00 pm	In Person Meeting
Tues. 10/8/2024 @6:30	Board Meeting Webinare

Tuesday 10/22/2024	In Person Meeting
Thursday Coffee @ 7:30 am	In the Falcon Field Terminal Lobby

CHAPTER SOCIAL ACTIVITIES

The Chapter dinners at Vito's restaurant in Mesa on the second Saturday of the month are on hold because of lack of interest. If you would like to see them restart please contact Gary Hertzler (480) 897-8167

ARIZONA AIRPORT PASSPORT PROGRAM

Have you joined the Arizona Airport Passport Program yet ? To participate all you have to do is get the free AZAPP App. for your "smart phone" on the internet so you can scan the QR code on the passport placard at a participating location. Thus proving you have been there. The Arizona Airport Passport Program (AZAPP) program continues to grow as more and more participating airports, and businesses establish placard locations. Visit the Arizona Pilots Association website often to get the latest placard locations and photos of participating airports and businesses. If you have questions about the program go to the APA website AZpilots.org or contact Trent Heidtke.

PILOT DEVIATIONS

We had 18 deviations this past month which is significantly down a bit this month committed by Private thru ATP certificate holders, and of the 18 deviations there were 8 Brashers issued. It appears that there are many that still don't seem to understand what type of airspace they are flying in. Always remember, when you fly in controlled airspace, don't be creative, and do something without first talking to ATC. Always follow ATC instructions, and fly with care. Don't be a part of the problem by committing a deviation. See the latest APA Newsletter for all the latest pilot deviation details.

POSSIBLE AIRSPACE CHANGES

The Department Of The Air Force at Davis-Monthan Air Force Base has issued a request for comments to a proposal to modify the Special Use Airspace used by the Air Force to support their missions in Arizona, and New Mexico. Generally, as a minimum, this would involve the significant lowering of the floors of the MOAs, dropping flares at lower altitudes, and supersonic flight at lower altitudes in the MOAs. For more details contact Gary Christensen. The deadline for comments is October 9, 2024, and your concerns need to be documented.

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 new revised EAA Flight Test Manual is a comprehensive program for test flying your new experimental 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.

CHAPTER 228 WEBSITE

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

THINGS TO DO - PLACES TO FLY FOR BREAKFAST

The fly in breakfast at Coolidge Municipal Airport on the first Saturday of the month will restart in October.

On the second Saturday of the month, consider going to Ritchies restaurant on Ryan Field (RYN). They serve breakfast after 6 am every day of the week.

The Falcon Field EAA Warbirds Squadron may have a Fly-In Breakfast on the third Saturday of the month when the fly-in breakfasts restart in the fall.

Grapevine is open full time, but the camping and cookouts have been discontinued for the summer. ***Grapevine, which lies within a National Forest, is heavily used by the Forest Service for fighting wildfires, and the Military for Special Training.***

There is a pancake breakfast on the last Saturday of the month at the Casa Grande Municipal Airport (CGZ). The breakfast is being put on by the Casa Grande Masonic Lodge (Pinal Lodge #30). Time is from 7:00 to 10:00 am, and the breakfast is being served in the air-conditioned terminal.

CHAPTER 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.

Dynamic Propeller Balancing

At KFFZ in Mesa, AZ

 Final vibration level 0.07 ips RMS or better guaranteed! (Usually we do much better.) We use ACES equipment.

Discount rates for EAA members!

Call Andy Elliott (N601GE) - 480.695.9568

Andy Elliott, CFI

Specializing in flight reviews in certified & experimental aircraft. Also recurrency, tailwheel endorsements & formation training. @KFFZ.

6530 E Virginia St, Mesa, AZ 85215
Ph: 480-695-9568
a.s.elliott@cox.net

Discounts for EAA members



Smith Mini Plane For Sale

(Bi-Plane Kit)

San Manuel, AZ

Subject: Materials List / Items Included

- * Fuselage is on Main Wheels (Front Struts attached - Need Fiberglass Covering)
- * Fuselage need covering (See Below)
- * Main Upper Wing and Ailerons Completed and Covered
- * Main Lower Wings (2) Completed and Covered
- * Flying Wires Included
- * Spring Front "Shock" Struts - Mounted
- * Firewall Mounted -Includes Motor Mount for O-290 Lycoming
- * Fiberglass Nose Cowl
- * Disk Brakes Mounted on Wheels / Included
- * Peddle Master Cylinders - Mounted
- * Included 17 Gallon - Aluminum Fuel Tank - Mounted
- * Control Stick - Mounted with imputed to Ailerons & Elevator Rudder Cables mounted.
- * Tail Wheel - Included & Mounted
- * Elevator Competed w/Stits Covering
- * Elevator Trim Control - Mounted
- * Rudder Included (Needs Covering)
- * 20 Yds. Fiberglassing Fabric Included
- * Throttle Cable, Miscellaneous Cable Controls Included
- * Miscellaneous - Other Gauges included: Basic Engine Gauges
- * Kit Plans included -

Total Price: \$2,750.00

If you have any Questions feel free to Contact me
Bruce Draft @ 520-954-2811 - I have Pictures



PARTS FOR SALE

New Cleveland 5" wheel & brake set,
p/n 199-15200. \$3,200 (Aircraft Spruce \$4,191)

New Aero Instrument 24V heated heated pitot tube,
p/n AN 5812-1. \$1,800 (Aircraft Spruce \$2,195)

Fuselage rotisserie for compost fuselage
construction. Mounted on wheels for mobility. \$500



Larry Jensen 480-939-1586
e-mail: larryrv4@yahoo.com



RV-9 PARTS FOR SALE

RV-9 Tail kit and Wing kit. Tail kit is mostly done. One wing is mostly done. One Wing is not started. All of these parts were produced way before the problematical laser cut parts.

Asking \$6,000. That includes more than \$1,000 worth of tools (pneumatic rivet squeezer, pneumatic drill, lots of clecos, bucking bars workbenches, etc.)

You can see it at Falcon Field, I can usually be available on a day's notice. Call or text Gene at 480-838-3730 (cell). Text is preferred.

EAA Chapter 228 Falcons Membership Meeting Minutes Summary August 27, 2024

The August meeting of the Falcons was an in person meeting at the CAU hangar. Vice President Gary Christensen brought the meeting to order at 7:00 PM. There were 25 members/guests present.

Gary reminded everyone that there is a new website, ValleyEAA.org, which has information on local valley EAA chapters. Check it out.

Gary noted one correction to the June meeting minutes: "fishing" should be "phishing" when referring to the scammers trying to access the EAA account.

The June meeting minutes were approved as published in the August Newsletter.

Gary asked for any guests to stand up and introduce themselves.

Tomas- is a student at EVIT and came at the invitation of Gary Hertzler. He is looking into a commercial pilot career and has not yet had a Young Eagle ride.

Jaden H.- was introduced by Chuck Flint. Jayden was our first Ray Scholarship recipient. He had to take a pause in his flight training but was able to resume and has received his PPL. He is currently in the UND aviation program and is

continuing with his flight training.
Congratulations Jayden.

Jessica was not here tonight so there were no updates on Falcon Field. See www.falconfieldairport.com web site for more information.

Jessica Alonzo can be reached at 480-644-4450.

Gary asked our treasurer Dave Bankhead for his report. We have \$10,664.98 which includes the \$443.39 reimbursement from the EAA for items purchased with YE credits. We still have \$686.61 in unallocated YE credits. We are looking at some hand held radios to use at YE events and shirts/hats for the YE pilots. Don also said that the EAA will reimburse about 30% of the cost of any tools we buy to use for teaching kids fabrication methods.

Gary did not have much info on build projects. Eric said he is working on his RV-10 and expects to be done in about 18 months. Someone else reported that Larry J. is making good progress on his RV-12iS.

The Vitos dinner is on hold and Gary C. reports that the Thursday coffee starts at 7:30 AM but set up usually starts about 7:00 AM. Come join us in the admin lobby.

If you want to get on the Saturday fly out list, see Tim Yoder. For the Sunday list, see Ron Peters.

There is little fly out activity in these hotter months. There is still a pancake breakfast at Casa Grande on the last Saturday of the month. Check the APA web site for other events.

There were several accidents to report. A helicopter lost a skid. Two planes exchanged paint on the ground. A Cessna 172 had an inflight electrical fire and a 182 ran off the runway. A Piper Seminole had a gear up landing at Casa Grande and Piper Archer hit lawnmower.

There were the usual amount of pilot deviations this past two months with several more Brashers being issued. Pay attention to where you are flying and listen to ATC instructions.

Andy Elliott's safety briefing tonight covered Aircraft Marshaling Signals. Andy noted that most ramp personnel and pilots don't know how to correctly use or

interpret hand signals to move aircraft on the ground. The various signals are shown in the AIM.

The biggest mistake the marshaller makes is standing directly in front of the airplane. For a lot of planes, the pilot can't see you. Stand left of center so the pilot can see you. If you want a plane to turn left, hold your right arm out and point to where you want the plane to go. The left hand is waved. Slowly wave for normal, wave faster if you want the plane to move quickly. If in doubt what the marshaller wants you to do, stop and shut down to get verbal clarification.

Thank you Andy.

Member Dave Wilcox gave tonight's presentation/demonstration on CAD design and 3D rapid prototyping. To print a 3D part you need a 3D CAD drawing in a suitable file format (.STL), a slicer program and a 3D printer. When rapid prototyping started more than 20 years ago, the systems used a liquid resin bath that was exposed to a laser that caused the part to grow one layer at a time. Today's machines use spools of filaments in various plastic materials that are melted and deposited on a moving platform. The cost of these machines has dropped so that many hobbist are able to afford them.

Dave showed various parts he has made for his Jabiru and was able to print a small part while he gave his presentation. Dave walked us through the steps he used to create the CAD drawing of the part he was printing. This is probably the most challenging part, that is, learning how to make 3D CAD drawings. Dave recommends using a "space ball" instead of a mouse as it is much easier to draw with and is compatible with CAD programs. Dave uses Alibre Design Pro and the ELEGOO 3D printer. You also need a heated pad to build the 3D object on to prevent curling as the layers are cooling. Part orientation is also important as any overhanging features will need a support to keep them from sagging. This creates a lot of extra work to clean up the finished part.

The most popular material for printing is PLA which melts at about 250 C but is not the best for hot engine compartments. ABS is better but may be difficult to work with. These materials are supplied as small diameter filaments which are fed into a nozzle and melted. The process is called FDM- fused deposition

modeling. Another type of modeling is called mSLA-masked stereo lithography. It can make very accurate parts but the printer needs a lot of maintenance as you are using liquid photopolymer to build the parts.

The 3D models can also be used to make parts on a CNC machine. You need a different type of file format (.DXF) and a program (Vectric) to establish the tool path. Dave has built wood airplane models on his CNC machine and a propeller for his Jabiru.

Thank you Dave for a very informative presentation.

Before adjourning, Gary did a shout out to Gary Hertzler for being featured in the September issue of Kit Planes magazine. Gary's VariEze was on display all day Monday at Oshkosh as part of the 50 year anniversary of the Rutan canard designs. Gary built his VariEze 44 years ago, and has flown it for more than 5000 hours. He holds records for straight line, closed course, non-fueled distance, and the CAFE Challenge in aircraft efficiency.

The next meeting will be on September 24, 2024. The meeting adjourned at 8:40 PM.

Respectfully submitted
Michael Cycon, Secretary