



FOR THE NOVEMBER MEETING

- **NOTE CHANGE:** The November meeting will be back at the CAF Hangar at 7:00 PM on Tuesday 11/28/17. The pre-meeting food (served at 6:00 PM) will be Pizza & soda for a \$5 donation.
- It's membership renewal time. A real bargain, your Chapter dues are still only \$20 per year. See Philip Buckalew to renew your commitment to Chapter 228 this month.
- This month we will not have a speaker, but we will have the election of chapter officers for 2018, and then perhaps catch up on one, or perhaps two, of the latest EAA videos. During the election of officers, there may be a number of committee positions that will need to be filled. Please

NOVEMBER 2017

CHAPTER OFFICERS

All phone numbers are area code 480 unless noted.

President	Steve Martin	857-3976
Vice President	Gary Hertzler	897-8167
Treasurer	Philip Buckalew	395-3686
Secretary	Mike Cycon	838-6353
News Letter Editor	Jim Timm	839-9187
Web Master	Mike Cycon	838-6353
Membership	Brian Briggerman	837-6510
YE Coordinator	Andy Elliott	985-2239
Socials	Brian Briggerman	837-6510
Flight Advisor	Andy Elliott	985-2239
Tech. Counselors	Gary Hertzler	897-8167
	Bob Greco	602-478-4403
DIRECTORS	Gary Christensen	897-8901
	Gordon Craig	329-7672
	Trent Heidtke	602-295-8546

CALENDAR

DATE	EVENT
Tues. 11/28/17 @ 7:00 PM	Chapter Meeting @ 7:00 PM
Saturday. 12/9/17 @ 6:30 PM	Chapter 228 Christmas Party
Tues. 1/23/18 @ 7:00 PM	AAL Maintenance Facility Tour @ PHX
Thursday Coffee	Warbirds Hangar @ 8:00 AM

consider filling one of these positions to help keep the chapter running smoothly, and successfully.

CHAPTER SOCIAL ACTIVITIES

In addition to the Thursday morning coffee at 8:00 in the Warbirds Hangar, a Chapter 228 monthly social with dinner at Vito's Italian restaurant happens on the 2nd Saturday of the month. To make reservations, please advise Brian Briggerman by the Thursday before if you are planning on attending. Dinner time is at 4:00 pm.

ELECTION OF OFFICERS

The election of chapter officers for 2018 will occur in the November meeting. We will be asking for nominations from the floor for the positions of President, Vice President, Secretary, and Treasurer. Please give consideration to filling one of these positions, and there are also a number of committee positions that will also need to be filled. We all need to step up and do our part in continuing to make Chapter 228 the successful and fun chapter it is. Make sure this November's meeting is on your calendar for the election of new officers!

EAA Chapter 228 Falcons
Membership Meeting Minutes Summary

October 24, 2017

The October meeting of the Falcons was held at the CAF hangar at Falcon Field, Mesa, AZ.

Vice President Gary Hertzler brought the meeting to order at 7:00 PM. There were 22 members and guests in attendance.

Before proceeding, Gary introduced Steve Bass, President of Copperstate. Steve said things are coming together for the event on this coming Friday and Saturday. They are making some changes to avoid problems they had last year, notably the tram breakdowns. They could use more pick up trucks to tow trams and are in need of more volunteers. Steve also asked for help tomorrow, Wednesday, to help set up tables and chairs in the exhibit area. They also need help Sunday morning to take everything down. Thanks Steve for the update and

for making Copperstate a success.

Gary asked for guests/new members to introduce themselves.

- Alan Schmuecker is trying to decide what to build and is interested in joining our chapter

Welcome to all our guests/new members!

A motion was made to accept the minutes of last months meeting as published in the Newsletter. The motion passed.

The treasurer reported that the balance at the end of September 2017 was \$3,059.05.

VP Gary Hertzler asked builders present tonight to give an update on their project. Todd B. reported that Jack's AirCam is nearing completion. Trent H. is close finishing his mods on his Prescott Pusher. Randy I. is coming along on his 601 after a short break. Larry J. (Lanair Legacy) is close to first flight. Pete W. is ready to close up the wings on his RV-12.

Brian B. reports that there will not be a Thursday coffee this week due to Copperstate. The Christmas Party will be December 9th. We are joining with the Warbirds party this year in their hangar. You have to join the Warbirds (\$20) but the party is included free with membership. Either see Phillip B. or you can contact Monte at the Warbirds.

Jim Timm started off by saying that a committee is being formed to work on updating the airport master plan starting next month. This occurs about every five years and involves 4 meetings over a years span. The airport has asked Chapter 228 to be involved in the review process. If you are interested in this opportunity to represent the EAA, please let President Steve Martin know. Jim says there will be an airspace meeting next month. Let him know if you have any issues with TRACON or Bravo airspace. Also, there is a lot of airport construction going on so check NOTAMS before departure.

There have been five accidents since last month's report, one of which had two fatalities. The NTSB

also released findings on two accidents previously reported. The first was the AT6 fatal crash onto Greenfield Rd. The NTSB said the probable cause was the pilots inability to return to the airport following an unknown emergency. They could not find a mechanical cause for the emergency.

The second finding was on the C-172 that crashed in Payson. The pilot initiated a go-around with the flaps at about 20 degrees. The plane failed to climb and hit the ground. Both pilot and passengers got out, but the plane was destroyed by fire. The NTSB said the probable cause was that the pilot failed to consider the altitude and atmospheric conditions with respect to the aircraft's performance capability. The density altitude at the time was 8,255 ft.

The five new accidents were:

1. A Cessna Caravan hit a light pole while taxiing at Sedona during a busy fly-in.
2. A C-172 departed Prescott on a pleasure flight. While flying in the Verde River canyon, the aircraft struck the canyon wall about 200 feet below the crest. Both occupants were killed.
3. A Long EZ and a Piper PA-28 collided while maneuvering for landing at Ryan Field. Although the EZ had substantial damage, both planes were able to land.
4. A CJ 6 sustained substantial damage after an emergency landing near Buckeye. The pilot had serious injuries. The passenger had only minor injuries. The forced landing was caused by a fuel flow issue.
5. A Grumman Yankee struck power lines while landing at Millar Field in southwest Maricopa. Both occupants received serious injuries and had to be airlifted to a hospital.

Andy E. announced that the next YE event will be about 20 kids on November 18th at 7:30 AM. Andy needs about 8 planes and a few ground crew. Bill Worger will be taking over as YE coordinator next year.

Tonight's safety briefing was on Pilot Error. Most aviation accidents are attributed to pilot error. Pilots think they have to be perfect but we are all capable of mistakes. The key to minimizing accidents is to separate critical errors from non critical errors and how we as pilots react. For example, a door pops open in flight. How many times has this resulted in a serious accident when it should not have. A door opening in flight, in most aircraft, is not a critical error. Fly the plane!

Losing a non critical instrument, such as a tachometer, or busting Bravo airspace or speed is not a critical error, so don't over react. Mitigate critical errors with proper preflight planning. This is why we do a magneto check or a prop cycle check prior to take off. So recognize non critical errors and respond accordingly.

Before introducing our guest speaker, Gary announced that elections will be held next month. At this time, we do not have a candidate for President or Treasurer. Gary asked all to consider stepping up and help your chapter. Please see Gary or any chapter officer if you are able to serve.

Our guest speaker tonight is Bryan Seeger speaking about Model Jet Engines and Aircraft. Bryan has been interested in jet engines from a very young age. He gave a brief overview of the pulse jet engines that emerged during WWII and continued throughout the 50's and 60's. Early ones were straight tubular designs with a simple reed valve. There were several designs that were used by model plane builders. Later the valveless design (John Mellenrick) emerged. Eugene Gluhareff conceived a design that could be mounted on the blades of a helicopter. Raymond Lockwood made a U-shaped valveless pulse jet that was able to use the thrust achieved from both inlet and exit. He incorporated a shroud a short distance from the jet outlets to augment the thrust, much like a modern day turbofan engine.

Bryan got really serious about design and construction of a jet engine in 1978. His first design ran at 250,000 rpm and weighed about 10 lbs. After a brief hiatus to build his Dragonfly airplane, he resumed jet engine development in 1986. He re-engineered his 10 lb prototype engine and got it

down to 5.5 lbs. He ran this new engine at only 82,000 rpm. Now working at Garrett in Phoenix, Bryan got help from Jim Allen to design an airplane test bed and Bob Wahl to design and build an electronic fuel control. With Jim at the controls, the model successfully flew in 1988.

Having established himself as a designer of small jet engines, Bryan started his own company M-DOT which later became AZMARK. He is designing and building small jet engines for drones and other DOD projects.

The meeting adjourned at 9:03 PM.

Respectively submitted
Michael Cycon, Secretary

CHAPTER CHRISTMAS PARTY

This year's Christmas Party will be on December 9th and it will be held at the Falcon Warbirds Hangar on Fighter Aces Dr., Falcon Field. The dinner is being planned to be catered, the attire is casual to business casual. At this point the time will be from 6:30 to 11:00 pm. Specific details have been a bit difficult to "nail down" so far, but we will sent out an e-mail the end of November - the first of December with the final details. Because this years Christmas party is planned to be combined with the Falcon Warbirds party, those planning on attending the party must be a member of the Warbird Chapter. Their membership application has been sent out, so please fill it out and bring it to the November meeting if you are planning on attending. If you can't find a copy of the application, contact Mike Cycon or Phil Buckalew.

JANUARY MEETING / AAL TOUR

For our January meeting we will be taking a tour of the American Airlines Maintenance Facility at Phoenix Sky Harbor Airport. Because PHX is a major hub for AAL, they have a major maintenance facility located here. So I would suggest being prepared to do a bit of walking to take it all in, and it should be very interesting to see what all they do here. We would like to know approximately how

many members would like to take the tour so we can advise AAL in advance of the size of our group. They have given us a sign in sheet to speed up the sign in process, but last minute sign ups can be taken at the time of the tour. To sign in, all that is needed is your name and phone number, and a governmental form of ID, (a drivers license). The ID will be exchanged for a company ID badge for touring the facility, and returned at the end of the tour. The facility is located on the east side of the airport, across from the east side cell phone lot. There is some visitor parking in front of the facility, or you can park south of the building. This should be an interesting opportunity, so don't miss it.

ATC PRIVATIZATION

The proposal to privatize air traffic control still hasn't make it to the floor of the House of Representatives for a vote as planned. Apparently the proponents are still trying to secure enough votes to assure passing the privatization bill. Remember, while "privatization" sounds good, this is not really privatization, and the free enterprise system of checks and balances would not exist. Only the motives of the board would drive the direction of this new corporation, and the majority of the board would certainly not have the best interest of general aviation in mind in their dealings.

Privatization would be devastating for G/A. Please continue to contact your U.S. legislators ASAP, and continue to tell them you are in opposition to ATC Privatization! Only persistence will pay off in the end!

CHAPTER 228 WEBSITE

Check out the new chapter website 228.eachapter.org and please give us your thoughts.

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 or get your order in for polo shirts.

NEWS LETTER REQUEST

We would very much like to have a monthly submission from a chapter member on a notable flying event that has recently happened or what may be coming up or perhaps a new or "different" building project that is under way.

PLACES TO FLY FOR BREAKFAST

The fly in breakfast at Coolidge Municipal Airport (P08) is on the first Saturday of the month.

The Falcon Field EAA Warbirds Squadron fly in breakfast and car show is on the third Saturday.

The third Saturday of the month there is a fly in breakfast at Benson (E95) at Southwest Aviation. (There are special fuel prices for breakfast attendees.)

Also on the third Saturday, around noon, a lunch is made available by APA at the USFS Grapevine Airstrip next to Roosevelt Lake.

The last Saturday of the month there is a fly in breakfast at Casa Grande Municipal Airport (CGZ). The Airport's restaurant, Foxtrot Cafe, operating in the Terminal Building, is open 6:30am to 2:00pm Monday thru Saturday, and on the last Saturday of the month they have a "Fly in Breakfast Special".

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PARTNERSHIP AVAILABLE

We are looking for a 4th partner in a Zenith 701 based at Falcon Field. It has a Rotax 912ULS - 100HP with only 130 Hours on it. Flies Great. Contact;

Todd Bristol <djtoddb@yahoo.com>

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.

FOR SALE

2 place Sonex - Tri Gear. Amateur Built LSA.
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