



# THE FALCONS MARCH 2013

## FOR THE MARCH MEETING

- The March meeting will be at the CAF Hangar at 7:00 PM on Tuesday 3/26/13. Enter through the south door. The pre-meeting food (served at 6:00) will be Pizza & soda for a \$5 donation. (Note the 6:00 serving time.)
- Now is the time to renew your membership. With everything else going up in price, your Chapter dues are still only \$20 per year. See Mike Cycon to renew, join or update your personal information. Please renew your commitment to Chapter 228 this month
- For the program this month, Andy Elliott will have a safety briefing and report on the FFZ open house and Y/E event that was held on March 23rd. Todd Nuttall will have a report on the El Centro open house that was on March 16th.

### CHAPTER OFFICERS

All phone numbers are area code 480 unless noted.

President	Todd Nuttall	988-3662
Vice President	Gary Hertzler	897-8167
Treasurer	Mike Cycon	838-6353
Secretary	John Vick	602-803-5026
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	Mike Andresen	983-8928
Tech Counselors	Gary Hertzler	897-8167
	Bob Greco	602-478-4403

<b>Directors:</b>	Gary Christensen	897-8901
	Don Mc Gettigan	964-9236
	Gordon Craig	329-7672

### CALENDAR

Date	Event
Tues. 3/26/13 @ 7:00 PM	Chapter Meeting CAF Hangar
Tues. 4/9/13 @ 6:30 PM	Board Meeting (IHOP)
Tues. 4/23/13 @ 7:00 PM	Chapter Meeting (CAF)
Every Thursday @ 8:00 AM	Coffee at Hangar JJ6

EAA Chapter 228 Falcons  
Membership Meeting Minutes Summary  
February 26, 2013

The February meeting of the Falcons was held at the CAF hangar at Falcon Field, Mesa, Arizona.

Pizza and soda were available for \$ 5.00 prior to the meeting. Thanks go to Todd Nuttall for picking up the pizza and Dave Searle for providing the drinks.

President Todd Nuttall called the meeting to order at 7:02 PM.

Tonight's program was a safety briefing by Andy Elliott and a discussion led by Todd Nuttall on fuel system design for his Zenith 750.

Treasurer's report:  
As of January 31st, the treasury balance is \$1,621.80.

Attendance:  
There were 23 members and one guest in attendance.

Old business:  
Mike Cycon made a correction to the January minutes. The chapter insurance increased by \$200 due to use of a storage shed.

New business:  
President Todd Nuttall reported on a meeting on Feb12 with the EVIT advisory committee regarding the proposed Teen Build program using the Waiex kit donated by Tom Nicoud. We are targeting a September 2013 start date and will need the go ahead from EVIT as soon as possible so we can raise the money to finish the airplane.

Jim Timm announced the Antique Aircraft fly in on March 2nd at Casa Grande. Also, there may be a package delivery service starting up at Deer Valley (DVT) using 727 aircraft. This could be a noise impact if these jets are not using the newest engines or noise suppression. Charlie Brown cautioned pilots landing at DVT that the

approach ends have been modified to stop aircraft that overrun the landing zones and this will destroy your gear.

Gary Christensen asked about the B-29 (Fifi) display at Gateway. Dick Exler provided the following dates: Feb 29 to Mar 4 at Gateway, moving to DVT on Mar 4 where it will remain until Mar 7.

Andy Elliott presented details of the YE event at the FFZ open house on March 23. A sign up sheet was passed around. Also, pilots can get a \$1/gal rebate on fuel purchased from Phillips 66 if you are flying YE's at any time. Download the form from the YE web site and submit with your fuel receipt.

Andy presented the monthly safety briefing on Aeronautical Decision Making. All actions have some risk and risks are the result of some hazard. No two people perceive a hazard the same way. We are influenced by personality, education and experience. Andy reminds us that "it's better to be on the ground wishing you were flying than flying and wishing you were on the ground".

Assess the risk:  
1) is it safe?  
2) is it legal?  
3) does it make sense?

If you can't answer yes to these questions you should probably not fly.

Todd Nuttall began a discussion about the fuel system on his Zenith 750 project. There are several engine choices available in the 100 to 130 HP range. Todd has been considering 130 HP which would mandate a high pressure fuel injection system. Todd showed several slides of what other people have been doing and asked for feed back from the group. Most agreed to use the best quality hose material and AN type hardware (not brass). Use fuel lube on pipe threads and not Teflon tape (which can plug up.) Clamped rubber hose can work and flexible hose is probably better for a light aircraft that will flex more on landing than a heavier plane where aluminum hard line up to the firewall is

generally used.

Fuel injection pumps put heat into the fuel and most production aircraft bring the excess fuel return back to the main tanks where it gets cooled. A small header tank under the seat may not provide adequate cooling.

The risk of developing an injected system with an unproven engine was debated. Several members urged Todd to stick to a simple gravity feed carbureted aircraft engine such as the 0-235 or 0-233. Couple this with a Power Flow exhaust system to maximize horsepower and perhaps a small header tank (above the engine fuel inlet) to combat fuel starvation at high angles of attack. If you do pursue an injected design, be prepared for a long failure-redesign cycle over the life of the aircraft.

Todd thanked everyone for their input and asked to email him with similar discussion topics to include in future meetings.

The meeting was adjourned at 8:35 PM.

Respectfully submitted:  
Michael Cycon/Treasurer

## CHAPTER 228 TEEN FLIGHT PROGRAM

If you are an experienced builder or A&P and would like to mentor the WAIEX build project at EVIT, please contact Dave McNeill (480-626-4048 or [d1m34077@gmail.com](mailto:d1m34077@gmail.com)). We need about 6 mentors. The first month, probably September 2013, you will be needed for four Saturdays. In the following months, you will only need to commit to 2 Saturdays (tentatively 10:00 AM to 4:30 PM). The primary job of the mentors is quality control to insure high standards of workmanship.

NOTICE: Effective April 7 through April 20, a Temporary Military Operations Area is being established over Roosevelt Lake, including Grapevine Airstrip, in the Tonto National Forrest. This temporary MOA is being established in support of the annual Air Combat Command

Exercise ANGEL THUNDER. The exercise is designed to provide Combat Search and Rescue (CSAR) training for combat aircrews, para-rescue personnel, intelligence personnel, battle managers and joint search and rescue center personnel. The execution of the exercise allows combat air forces to practice effective integration/application of air and space power in the search and rescue mission.

The ROOSEVELT LAKE Temporary MOA will be activated during Exercise ANGEL THUNDER for aircraft and parachute operations involved in the CSAR exercise. Aerial activities will consist of typical MOA flight operations to include tactical combat maneuvering by fighter and transport fixed and rotary wing aircraft, freefall and static line parachute operations, non-standard formation flights, rescue escort maneuvering, and aerial helicopter refueling. Grapevine Airstrip may also be included in the training exercise.

Given the amount and type of training being planned for the MOA, it would be highly recommended that the designated MOA area and Grapevine Airstrip be avoided during the Angel Thunder Exercise. The times of use will be by NOTAM. Altitudes: 500 feet AGL to 9,000 feet MSL.

The Controlling agency is; FAA, Albuquerque ARTCC.

## NEWSLETTER WANT ADS

If you have anything aviation related you would like to sell, buy, or trade, or aviation service to offer, submit the necessary information 2 weeks before the monthly meeting (Please submit via e-mail to; [jtimm@amug.org](mailto:jtimm@amug.org)) and it will be placed in the WANT ADDS listing in the monthly newsletter. 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

I have a used Garmin 327 for sale ; complete kit. \$1200. I just replaced the unit with a TRIG mode S unit.

Contact Dave McNeill  
[dIm34077@gmail.com](mailto:dIm34077@gmail.com)  
480-626-4048

A self-contained battery operated starter for 85-100 HP Continental and Lycoming engines (STC and PMA).

Must have impulse coupler on Mag to operate. Contact Safe Start Systems Harold Hamp ([safestart1936@yahoo.com](mailto:safestart1936@yahoo.com) or 989-463-1762).

The complete kit costs \$1850 plus \$50 S&H. Installation at their facility (7350 Osborne Rd, Elwell, MI 48832) is available for \$500.

## Dynamic Propeller Balancing



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