
EAA Chapter 32 News

The official publication of Experimental Aircraft Association Chapter 32 - St. Louis, MO (Jim Bower, Editor)

June, 2017



**Ron Burnett flying some Young Eagles at our latest rally (June 10).
I think they liked it!**

We will see YOU at the ARC for the June meeting. June 17, 2017 at 10:00 am.



May Meeting Minutes

Dave Deweese

May's meeting began with the Pledge, Dave Doherty presiding.

Last weekend was our latest Young Eagles rally. Rick May reports a great day for flying, we got 39 kids airborne with 7 pilots. Rick's computer went

belly-up let him know if you volunteered but forgot to sign the volunteer roster. Next month, June 10, is the big national YE day. Kyle and Nicole (Schneider) are going to the academy. Note Nicole was a finalist in consideration for the Air Force Academy and will be starting at SLU this fall in the aviation program.

See Ron Burnett for food cards after the meeting.

BD-4 project is still for sale.

Oshkosh HQ reports that the Spirit of St. Louis is now airworthy, but they have no plans to tour it.

Our chapter is doing well with flying clubs, HQ has asked to have the RV-12 in the Young Eagles pavilion. Dave will give a talk on flying clubs at Airventure. The "6-Alpha Flyers" are getting started, working on the RV-6A Bob Pratt started. They've ordered an autopilot are in the process of installing it. Another local flying club is working on a Thatcher CH-5.

Next month we're planning to have an actual Oshkosh "Pink Shirt" to discuss flying in.

Last year attendees camped. Dave asked if anyone's interesting in camping in our chapter's compound. We've got 2, maybe 3 sites.

May 27 2:00 to 6:00, last Saturday in the month, will be a work session. Paint on the doors is scraping and peeling. Thanks to those who helped fill river rock between the sidewalk and the building.

The Greater St. Louis Business Aviation Association is meeting to discuss privatization of the ATC system. We've been invited and Dave will be on hand to express our views on the matter. Bill Doherty notes that many of our legislators are invited and will attend. The big concern here is user fees. We've seen this in Europe where it has hurt general aviation. Send thoughts to president@eaa32.org.

We've got a list of people for a welding class we're setting up. Don will take on organizing.

No speaker this month, if you're aware of anyone who'd make a good presentation let Dave know.

We forgot the treasurer's report at the beginning of the meeting but Don caught the omission and reported the checking and savings balances.

Jim Hall won the 50/50 donated his half of the \$78 back to the chapter. Thanks, Jim!

We got enough names on our name tag list to place an order, they'll be available at the June meeting.

We had discussed an Open House on June 3 but are postponing it until later in the year. We need someone to lead up a committee to plan. Dave McGougan volunteered to head up the group.

Ron Burnett asked about a TFR around the stadium, this is in effect whenever there's a game.

Dave received a postcard from HQ regarding a promotion about flying 25 Young Eagles this year in honor of the 25th anniversary of the program. The card includes a list of top YE chapters, EAA32 is 21/25.

Hangar cleanup continues following our recent rains. A few on the north end of the airport got water: several members have protected their tires and brakes with heavy-duty trash bags.

Don Jonas has been to his general practitioner, reviewed the list, and completed Basic Med.

This month's movie is 30 Seconds Over Tokyo, based on Ted Lawson's book.

Safety Tip of the Month

Joe Miano

Our third Young Eagle event took place on June 10th. It was a special event as it is International Young Eagles Day. So far this year, our Young Eagle events have been very successful because of everyone's support and participation.

At the events this year, I implemented some new and enhanced ground support rules directed at our ground crews. The purpose is to promote safety at our Young Eagle events, but it also makes the flight operations look more professional to our young participants and guests that come each month. Having our ground crews interact with the pilots and aircraft that they are assigned to is an important asset into making all the flight operations run so well and so organized.

As I have mentioned earlier in our previous safety briefings, some of the enhanced ground crew duties include:

- Escorting pilots and passengers on all the flight ramp areas
- Assisting in loading and unloading of aircraft
- Signaling the pilot when it is safe to start engines
- Directing and parking all aircraft using standard hand signals
- Observing for any unsafe condition with the aircraft during taxi operations so as to alert the pilot
- Watch for and direct all moving aircraft on the ramp area

Please review the hand signal supplement that I have printed out of the FAA airplane flying handbook chapter on ground operations. Everything is working out as planned with the ground operations and everyone involved appears to be feeling good about the importance of the additional responsibility and participation with all of the flight crews. If you have any questions, concerns, or ideas that you want to discuss, please contact me or any one of our officers or staff members.

During our monthly safety briefings before each Young Eagle event, I will review and amend all of the safety rules and operations as required with everyone's approval. Let us all continue to put forth our best efforts to make the our chapter's events a fun and memorable experience for the kids and parents who come to fly with us.

Thank you for all of your hard work,



Figure 2-12. Standard hand signals used to assist pilots in managing a safe departure from the ramp to the taxiway or runway.

Joe Miano

Safety Officer

Progress Report - Dave McGougan's Kitfox Project

The new wing, which is nearly complete, is on the left. The other wing is basically done. We are planning to start covering next week with the fuselage. I have a few minor details to take care of inside the cockpit, but a day at the most is all it will take. I think I am required to have an inspection before I cover the wings, so I am looking for some help in this area if anyone can remember.



June Movie at the ARC

When? Saturday June 24, 2017

Where? EAA Chapter 32 Aviation Resource Center (ARC)

6410 Grafton Ferry Rd. (At Smartt Field), Portage Des Sioux, MO (St. Charles County)

Pot luck dinner at 6:30...bring a side dish, meat supplied by the Chapter. Movie starts after dinner



Learning as we Go

“Ready for Takeoff - We Got Fuel, What about Fire?”

mr. bill



Two months ago in this article we were at the end of the runway readying ourselves and the airplane for take-off. With the previous month chats we know we have enough fuel for the flight. At the end of the runway for takeoff we will do our BEFORE TAKE OFF Checklist. For most of us it will have us set and check all the flight instruments:

- Airspeed indicates- Zero
- Artificial Horizon- set for our eye level to level
- Altimeter- set to within 75 feet of the field elevation
- On the IFR (Instrument charts) we can read the touchdown zone elevation.
- Turn Coordinator- no red flag. Remember this is an electric gyroscopic instrument. Red flag means this instrument has NO POWER to it so it is NOT working
- Heading Indicator- check it against the Magnetic Compass or a known direction
- Vertical Speed Indicator- this instrument should be indicating zero because you are not climbing or descending
- Tachometer- should indicate at least 750 RPM's which is about the lowest you want to go for idle rpm
- Oil Pressure gauge- show be no lower than 35 psi (pounds per square inch) or higher than 90psi
- Oil Temperature gauge- should be above 100°C before we do an engine runup.
- Ignition (Magneto) Switch- should be in the both position.

Do you know the positions of the ignition switch?

OFF- puts all the electricity produced by the magneto's to (electrical) ground so no electricity flows to the spark plugs.



R- in the R position the magneto's electricity is flowing from the right magneto to the spark plugs. Which plugs does the R magneto fire? Depending on the manufacturer, it fires the TOP plugs on the Right side and the bottom plugs on the Left side.

L- in the L position the magneto's electricity is flowing from the left magneto and fires the other set of spark plugs.

On most engine installations an Impulse Coupling is installed on the Left magneto to delay the firing of the left magnetos spark plug until TDC (Top Dead Center). TDC is the point when the piston is at its top travel. You can tell if you have an Impulse Coupling by the snap if you should ever turn the propeller thru TDC.

The wire to ground the electricity to make the magnetos work is secured on top of each magneto. It is called a “**P-lead**”.

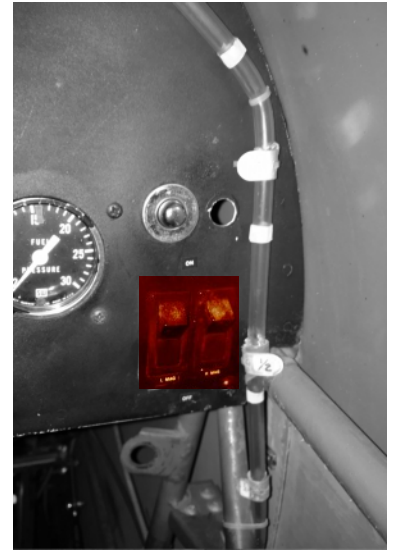
How does a pilot know if the ignition switch is working?

After the pre-take off runup is complete and with the throttle at idle you can quickly move the ignition switch to OFF and there SHOULD be a momentary power interruption if the wiring is correct.

How about the “SAFETINESS” of this ignition switch?

Here we have our clear tube fuel gauge and the LEFT and RIGHT magneto switches!

All righty, we have full fuel, we know about the ignition system, it is good and we have assured it is in good working order. So with plenty of air around.....have we taken care of everything? Tune in next week when we discuss the airflow situation.



A&P Mechanic Needed

I am looking for an A&P to work with me on an annual condition inspection and supervise work on my Pazmany PL4. If you are an A&P or can recommend one, please contact me at (314) 452-0067. Thanks.

Don Doherty

Headsets for Sale

Rich Jimenez has donated his C-172 to Wings of Hope. He has two headsets for sale:

ASA Model HS-1A...originally \$110.00, asking \$50.00. Only used about 5 hours.

David Clark...originally \$326.00, asking \$163.00.



Check out our fantastic Web Pages at
WWW.EAA32.ORG
 Laura Million, Web Designer
 While you're there, take time to join the
 Yahoo Groups to help you stay abreast of
 Chapter happenings!

TO:

EAA CHAPTER 32 NEWS
 Jim Bower, Editor
 10350 Toelle Ln.
 Bellefontaine Neighbors, MO 63137



Officers and Committees

<u>President</u>		
Dave Doherty	636-240-5982	president@eaa32.org
<u>Vice President</u>		
Bill Doherty	314-378-1229	vicepresident@eaa32.org
<u>Secretary</u>		
Dave Deweese	636-939-3974	secretary@eaa32.org
<u>Treasurer</u>		
Don Doherty	636-397-4713	treasurer@eaa32.org
<u>Flight Advisors</u>		
Bill Jagust	314-494-3987	vp2boy@gmail.com
Tim Finley	314-606-7501	tfinley@semkeconsulting.com
<u>Tech Counselors</u>		
Gale Derosier	636-578-3856	kgderosier@gmail.com
Tim Finley	314-606-7501	tfinley@semkeconsulting.com
<u>Communications</u>		
Newsletter: Jim Bower	314-869-8971	newsletter@eaa32.org
Webpage: Laura Million		webmaster@eaa32.org
EAA Hotline:		
<u>Safety</u>		
Joe Miano	314-895-1754	lmiano24@sbcglobal.net