
EAA Chapter 32 News

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

April, 2016

First Young Eagle Rally Was a Success!



Jeff Stephenson does his best airplane impersonation, but his audience doesn't seem impressed. For the first rally of the year, we were blessed with a nice day in between days of high winds and rain. We flew 36 Young Eagles and 4 parents. Thank you to all who came out for a ride, and thanks to all our volunteer workers!

We will see YOU at the ARC for the April meeting. April 16, 2016 at 10:00 am.

March Meeting Minutes

Dave Deweese



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

February meeting minutes approved.

Bill Bould, a new member in attendance, is building a Sonex. Chris became a new member, he's a transplant from Jefferson City. New members see Bill Doherty for door codes, if you're an existing

member and are not paid up your door code will become inactive.

Rick May addressed us regarding Young Eagles. First event is April 9, Joe Miano will be out with Rick Friday night setting up, Joe will be playing a bigger role in addition to being a pilot. We'll start taking signups at 8:00 a.m. Saturday. Much of last year's crew of pilots will be active again this year, and the RV project will be ready to fly in a month or so and will be giving rides soon. Please let Rick know if you're going to participate and have completed the online checks. Pilots need training and the background check, it's possible for ground crew to just do the training. This year we technically need two Youth-Protection trained on premises at each event.



We've got two new freezers and need to move the old unit out. (Though the broken unit still works as a great mouse-proof chip storage.)

We're setting up a separate fund and committee for handling memorial wall additions.

Chapter 32 will have a roughly 50x75' section at the air show and we'll give two seminars. We will need lots of volunteers to meet the public and recruit new members.

Joe Miano will take over Safety at the YE events, replacing the late Bob Kraemer.

Dave updated us on the RV project. Among other jobs they're filling the outside rivet holes with epoxy in preparation for painting. (Polyfiber Aerothane.) The plan is to set up a paint booth in the ARC. They're using a 16 gauge needle with two part epoxy for rivet after rivet. Avionics will ship next week. Further updates will be posted on the Yahoo board. Sign up if you're not a member, link is on the chapter site.

Dave turned the meeting over to Don to cover last year's expenditures and the projected expenses for 2016.



First 2016 Young Eagles Rally a Nice Success

The first EAA #32 Young Eagle Rally for 2016 was a great success last Saturday. While our guest attendance was not as great as in the past year's first rally, we still had a nice turn out. We flew 36 Young Eagles plus 4 eager parents. Laura had about 10 Boy Scouts for the Merit Badge class who all flew, plus a group of about 15 girls some who were from a Girl Scout group and some who came along to help celebrate one of the girl's birthday. Starting the morning out with temperatures below 40 degrees it was a cool day. The typical viewing from the fence line was at a minimum so everyone took turns looking through the closed garage door windows but everyone seemed to deal with the weather well. Actually with the clear blue sky plenty of sunshine and winds which were typically less than 5 mph it was a great day for flying.

I really want to thank all the volunteers and pilots for their support despite the cool temperatures and perhaps engines that were a little uncooperative first thing in the morning. We had 9 aircraft available and an additional 16 ground volunteers to allow the day to run very smoothly. Thanks again to all. Remember the May Young Eagles event has been pushed back one week to the third Saturday (May 21st) of the month instead of the typical 2nd Saturday of the month. There will be what should prove to be a really great air show the 2nd weekend of May at Spirit of St. Louis airport. (think Blue Angels)

See you at the ARC this coming Saturday for our regular chapter meeting.

Rick May

Young Eagles Coordinator





Friends and fellow aviation enthusiasts,

Welcome to Spring! The past month has seen unusually high winds and sloppy weather. It's put a damper on a lot of recreational flying activities. From here on out, weather is supposed to be more amiable to flying. With that comes numerous opportunities. Fly-ins with pancake breakfasts, Young Eagle Rallies, Air Shows, etc. Lots of fun for the aviation minded. It's time to dust off the wings and put some air under the tires. I look forward to the new seasons at hand. In addition to aviation activities, we want to continue our ARC Improvement activities. On this year's agenda are applying "EAA32" to the roof of our building to advertise who and where we are to those passing overhead.

A year ago, we were just starting to enlist people for a flying club to build an RV-12. A lot has happened since then. The club (Spirits of St. Louis Flying Club, LLC) has been formed and chartered. There are six equity owners in the club, and work on the RV-12 has been brisk. Much of it has been built and assembled in our Chapter 32 Aviation Resource Center (ARC). All the kits have been delivered from Van's Aircraft. The structural components are completed and have been assembled for a trial fit. Engine and avionics are partially installed. The next step in the schedule is to prepare and paint the plane. A nice paint scheme has been developed, and the painting of the plane will be done this month. After that, final assembly of the engine and avionics happens. Then come the inspections and first flight. Our goal is to have the craft flying by the end of May. Excitement is building. It's going to happen.

Part of our chapter charter with Missouri states our mission is "to Promote, encourage, and facilitate recreational aviation activities that provide educational opportunities". To that end, EAA Chapter 32 is participating in the 2016 Spirit of St. Louis Air Show and STEM Expo being held May 14-15 of this year. It goes without saying that the event will be held at the Spirit of St. Louis Airport (KSUS). Our chapter will have the opportunity to provide seminars about EAA and Aviation. We have several seminars scheduled; 'Building your own airplane' is one, 'Becoming a pilot' is another. We have other opportunities to hold seminars. Among possible candidates are; 'What Makes an Airplane Fly (no, not money)', 'What is EAA all about', 'Forming a Flying Club for affordable flying'. In addition to seminars, EAA Chapter 32 has an area to park and display our aircraft and/or projects. On our grounds, we'll have our 10' X 20' tent and several pop-up tents. We plan on having our (and hopefully more) flight simulator(s) and activities for kids to do, such as build a wing rib. This is one of the big events for the year. We need lots of volunteers. The air show promises to be a really good one

President's Corner

by Dave Doherty

featuring not only the Blue Angels flight demonstration team, but the Canadian Snowbirds team, Canadian F/A-18 demonstrators, WWII Warbirds, static display of aircraft, and much, much more. A lot of work has gone into this event by a lot of people. Students will be there to get exposed to Science, Technology, Engineering, and Math (STEM). Our chapter is counting on its members to set aside time for this event, and help make it something people will learn from, talk about, and remember for a long time. Hopefully, we can introduce people to the world of recreational aviation. Come on out to the event. Volunteer. We need your help.

In line with the upcoming air show, guest speakers at our April 16 meeting will be Phil Bissonette, Director of Tac-Air at Spirit Airport, and Laura Bissonette, heavily involved with the air show activity. They'll discuss in detail all the things going on at this show. Please come out to our meeting and hear what they have to say. Meeting time is 10:00 AM at our ARC located at Smartt Field (KSET). Address is 6410 Grafton Ferry Rd, Portage Des Sioux, Mo 63373. I don't think you'll be disappointed.

For the past several years, EAA Chapter 32 has hosted a "Movie of the Month" on the last Saturday of the month. It's a social event, with a pot-luck dinner as part of the activities. We were going to start the movie season last month, and advertised it to start on March 31. One of our wise spouses informed us that the next day was Easter Sunday. Oops. We postponed the start of our movie season to be on April 30. The opening movie is a classic movie, "The Flying Tigers" starting John Wayne. These events are usually a lot of fun. We enjoy each other's camaraderie, share a meal, and enjoy a movie at the ARC using our big screen. Unlike the movie theater, everyone's welcome to offer comments as the movie goes along. It's a lot of fun. If you haven't gone to one of these, try it. You'll have a good time. Come on out, bring your other half. They need to get out too. See the movie promotion elsewhere in this newsletter.

Here are some aviation activities going on in the near future:

- **April 9** Young Eagles Event. This will be held at our home base, Smartt Field (KSET). We will need volunteers to fly, do ground crew and safety chores and help with food prep.
- **April 16** Chapter 32 Regular Meeting. We'll discuss current activities and upcoming events we need to prepare for. Big on the agenda is the Spirit Air Show and STEM Exposition happening on May 13-14. For more info check out www.spiritairshow.com
- **April 30** Monthly "Movie at the ARC" season begins. Our Premier showing this month will be "Flying Tigers", starring John Wayne. See the movie promo elsewhere in this newsletter.
- **May 7** Quincy Regional Airport (KUIN) in Quincy, IL. The Quincy University Aviation Club is hosting an all you can eat pancake and sausage flight breakfast. \$6.00 for adults and \$3.00 for children 12 & under in the Great River Aviation hangar from 7:30 AM to 11:00 AM. Great River Aviation is also offering a 50 cents off per gallon of Avgas or Jet A for all those who fly in during this event. The second event is the 2016 Illinois Pilots Association Annual Meeting starting at 11:00 AM inside of the Great River Aviation hangar at the Quincy Regional Airport (KUIN). consists of an introduction from IPA's President, Mr. Dave Claxton, a guest speaker from the Illinois Department of Transportation, and an FAA Safety Seminar presented by Mr. Warren Smith from the SPI FSDO. This Safety Seminar will be a FAA Wings Approved seminar.

- **May 14 -15** Spirit of St. Louis Airport Air Show and STEM EXPO. Great air show. We have some prime real estate for our activities. Huge crowds are expected, and our Chapter 32 is expected to participate. This is our big event to reach out to the general public and let them know what we do.
- **May 21** Young Eagles Event. At our home base at Smartt Field (KSET). Note the date. It's the 3rd Saturday in May. This will most likely be a huge event. We are working on getting some participation and possible help from EAA HQ (stay tuned).
- **May 28** Chapter 32 Regular Meeting. Also note the date. It's the 4th Saturday in May.
- Movie at the ARC later on May 28.

We're doing our best to keep EAA Chapter 32 one of the very best in the area. Thanks to all who help make it happen.

Please come to our April meeting at our Aviation Resource Center located at 6410 Grafton Ferry Rd, Portage Des Sioux, Mo (Smartt Field) and see what we've been doing, and what our plans are for the next few months.

Meeting Date: April 16, 2016

Meeting Time: 10:00 AM

Blue Skies to all,

Dave Doherty

2016 Membership Roster

Everyone on the newsletter mailing list should have received a "final" copy of the new membership roster. You all had a chance to look it over to make sure your information was correct. In case it is still incorrect (and you haven't already told me), please let me know. Also, if you change anything during the year (address, phone number, etc.), please let me know so I can keep everything current. Thanks for your cooperation!

Jim Bower

EAA Chapter 32 Newsletter Editor

Learning as we Go

Safety First...Then Let the Fun Begin mr. bill

Last time we chatted we talked about PRE-FLIGHT habits.

WEATHER: Seeing that weather is ALWAYS changing and the cute blonde on TV has to tell us “their” version of the National Weather Service Official Forecast, it may be best to watch the trends on the weather channel days before the flight ourselves.

Weather occasionally does not move out of an area as fast as the computer models depict. So prepare for a later start on days when the fog is supposed to burn off in the morning. If the weather is BAD then just go to the alternate or alternate plan, DRIVE or AIRLINE. Like the next story we examined before. In the current issue of Flying Magazine, in its Aftermath article, it has the transcripts from the actual flight of a Mooney pilot who tried to fly into Colorado Springs, CO. The weather was near “zero visibility and zero ceiling” with ice in the clouds. Sad ending to a flight with a “above average” pilot.

FUEL: The old saying is, “The only time you have too much fuel is when you are on fire!” First off, never trust fuel gauges. The gauges are made to read the most accurate for the last amounts of fuel in the tank. That is why they move faster towards EMPTY. Even my fuel level sight tube in the Sonex can be off. Mr. Fred K, a fine homebuilder had his prize homebuilt flying machine up for an EAA Photo shoot when it ran out of fuel and landed in a field. HOW? The sight tube had insects stuck in it that trapped fuel in the line making it “look” like the tanks were full.

One thing learned from past “Flying” stories that affects my preflight of the fuel system, is to FIRST, drain the sumps of the airplane BEFORE you move or rock the plane. Moving the machine could cause any water to move around in the tank.

Also KNOW how much fuel you have. There was a flying club that required you to top off the fuel tanks of the clubs Pitts Special aircraft. Sadly the last pilot that flew the airplane did NOT refuel the aircraft and a friend took it up. You know the REST of the story when the plane ran out of fuel. The Friendly Aviation Assistant asked at the hearing, “How much fuel did you have at takeoff, sir?” Ahh the last guy forgot

In most airplanes there are tabs in the fuel tanks for you to determine how much fuel is inside. Sporty’s Pilot shop sells measuring sticks for most airplanes to determine how much fuel actually IS in the tank. Cheap insurance.

LET THE SPRING FUN BEGIN

It was 18 years since the last Spring Fling and this one was just as GREAT as then but this time my body was a bit older. Thursday dawned and no assignment from the Crew Scheduling Guru so it was onto the DFW to Tampa, Florida Super 80 flight. Quickly going to Hertz for a rental car (discounted by EAA) and I am on the road to Wauchula, Florida for the SunState Bensen Days Flyin. Rolling in at the airport at 1230, twenty-five gyros were flying all over the sky doing their special landings.

Watch this Youtube:

<https://www.youtube.com/watch?v=GAoK9zM8FFQ&nhtml5=Falses>.

A flight was taken in the new PICT 10 gyro for some



PICT 10 Auto Gyro

touch and goes and to relive the “auto rotation” landings.

After chatting with CFI Chris (who was the youngest man there, other than his three teenage kids) I was put in the front seat so I could knock off some rust. The gyro flies like a tail dragger until you come in for an autorotation “drop in” landing. “Do ya see that right turn off taxiway right below us on the runway?” (We are at the pattern altitude of 800 feet right over the runway.)

Yes sir! "Make it happen!" So I just ease the control stick back until the airspeed goes to "zero," then lower the nose, kick a little rudder to get the wind to push the gyro backwards down the runway. At the precise altitude you start the flare and round out which, with the 20 mile per hour wind blowing, has the Gyro hovering over the same spot we were flying over just moments ago. After the smooth touchdown, the nose wheel touches and we

THE SUN N FUN AIRSHOW

Debut of the Sonex "B" with bigger cockpit and engine cowlings.

Well that is all the Safety and Fun for this issue boys and girrrls! Next month: aircraft systems and Young Eagles!

Q? How many Van's RV's have been built?

A: Over 9,300 to date.

Q? How long was the Record East Coast Hang glider flight from Wallaby Ranch?

A: Dave S. flew to Valdosta, GA, 212 miles in 7.5 hours!

Average speed was.....47 miles per hour!



add power to taxi up to "that" taxiway and turn off the runway. Pretty cool!

After that fun it was time to head up the road 25 miles to Jack Brown's Seaplane base to do some Piper Cub on floats flying. Nothing like the feel of a Piper Cub and landing on the waer!

After some water fun it was back in the rental car to drive another 22 miles to the Hang glider Guru, Mr. Malcomb at Wallaby Ranch, in Davenport, Florida. While the 200 acre ranch is still isolated, businesses and warehouses are starting to build up around the exit off Interstate 4 to the ranch. Due to the high winds no Wings are out for flying. So back on Interstate 4 and into Lakeland for.....



Sonex "B" with the wide cockpit





Did you know the Flying Tiger logo was created for the AVG by the Walt Disney company?



The shark mouth paint job was intended to instill fear into the Japanese pilots.



A "blood chit" issued to the American Volunteer Group *Flying Tigers*. The Chinese characters read: "This foreign person has come to China to help in the war effort. Soldiers and civilians, one and all, should rescue and protect him." (R. E. Baldwin Collection)

MOVIE AT THE ARC THIS MONTH

Flying Tigers

When? Saturday, April 30

Where? EAA Chapter 32 Aviation Resource Facility (ARC)

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

Jim Gordon is the head of a group of American pilots working for the Chinese government against the invading Japanese two years prior to Pearl Harbor. Hothead Woody Jason joins them but despite being a hotshot flyer, he's also a liability. When he causes the death of veteran pilot Hap Smith, the rest ostracize him and only an ultimate sacrifice will wipe the slate clean.



The opening scene shows a Japanese air raid and in the aftermath a crying child is sitting alone amid debris. This scene virtually duplicates a famous photo taken in 1937 and published in Life magazine following a Japanese air raid on Shanghai.



Goofs:

Noticeable air scoops on the P-40's top cowling are shown in scenes of the aircraft parked on the ground and during taxi. Up-close engine starting and flying sequences show a clean cowling, without the air scoops.



aircraft one after the other

During the night patrol, Jim (John Wayne) finds that he replaced Woody. Hap replies, "Too immediately looks to the left to notice the Japanese planes, as though he saw Hap's gesture - however they are in different planes, flying at night and there is no way Jim would see Hap pointing.



When the burning cargo plane (Capelli XC-12) is waved off at the Rangoon airport, it has only the right landing gear down. Moments later the pilots are shown raising the left landing gear

When Capt. Jim Gordon releases the three containers of nitroglycerin (over the bridge) he looks back into the cargo area of the plane and we see all three of them release simultaneously. Then we cut to the right side of the cargo plane and we see them drop through the bottom of the

orders Hap back to base over the radio when he late" and points to the left of his plane. Jim



Release date:

October 8, 1942

Director: David

Miller

Running time: 106 minutes

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