

March 2018



Mountainland Flyer

EXPERIMENTAL AIRCRAFT ASSOCIATION
EAA CHAPTER
17
 KNOXVILLE, TENNESSEE

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Next Regular Gathering

March 5, 2018

We meet the first Monday of the month at McGhee-Tyson 510 Center

Come early to visit and eat. The program starts at 7:00 PM.

See President's Message, page 2 for details on this month's program.

DEERFIELD RESORT INVITES CHAPTER 17 FOR COOKOUT 5 PM May 26.

Our chapter has been invited to attend a cookout at the Deerfield Resort airport (TN44) on Saturday May 26. This is the second time we have been invited, and was a joy to attend. Members there provided good food and hospitality at one of the hangar homes. Volunteers offered tours of the resort that has boating, golf, restaurant and homes and condos for their residents. Plan for 5 PM. They will provide main course meats and ask everyone to bring a dish to share and will gather at the "Club Freddy" hangar. Save that date for a fun day with flying.



Message from your President

Looks like the winter weather has finally broken, and flying weather has returned (between all the rain). I have been anxious to get back in the air as I am sure many of you are .

We have a nice lineup for our March meeting. New member **Joseph Simpson**, who is a Flight Surgeon in the ANG, will present on his Zenith build. Next up will be **Adam Tippin** with an update on his KR2S build. **Greg Long** will be sharing info on his Velocity avionics mods he has been doing over the last several months.

John Haynes and Linwood Stevenson have purchased an RV6A and will be showing pictures and sharing info on how they formed their partnership, their pre-buy inspection, and their transition training. I hope the partnership info will help others consider finding a partner and the right aircraft and get more of our members flying again. AOPA has some good info on this topic also.

Stephen Wickizer will be sharing info on his recent trip to the EAA Leadership Boot Camp held at Spruce Creek Airpark in Florida. Stephen is a past President of a chapter in Virginia. Stephen has also volunteered to serve as our new Membership Chairman. Due to our growth we felt a need for this newly created position. Now we have to work on the job description. Hopefully Stephen will lighten the work load on our secretary Gary Picou, as well as greeting and introducing new members.

If time permits I would like to show the video that our webmaster **Robert Berlin** produced on **Marvin McGraw's** RV14 certification that **Jim Auman** DAR and our Tech Councilor performed a few months ago.

At our social time before the gathering we will be serving Pizza and any deserts you may bring to share. I am looking forward to visiting with you at the TYS 510 Center. Bring a guest.

George Douglas

Chapter 17 President

MORRISTOWN RESUMES THEIR FLY IN BREAKFAST

Spring must be coming, as the local Morristown EAA chapter will begin serving breakfast this Saturday, March 3 at KMOR (only 32 miles from the Knoxville Downtown Island Airport). They were a busy destination last year for their First Saturday of the month Breakfast at Morristown but took the cold winter months off. Now is the time to dust off the airplane and warm her engine again for a destination with good food and camaraderie.

ANNUAL CHAPTER BANQUET SET FOR OCTOBER 6

George Douglas announced the dates for our 2018 banquet and speaker have been locked in.

We will be holding it on October 6th, 2018 at Bearden Banquet Hall. John (lites) Leenhouts President & CEO of Sun N Fun Expo Campus will be our speaker this year. The times and location are the same as last year. George was careful to schedule our banquet on an off weekend for the UT football team so there will be no conflicts.

AWARDS PRESENTED TO THE CHAPTER OFFICERS FOR 2017 SERVICE.

- Mark Scheuer as Vice President,
- Gary Picou as Secretary and Newsletter Publisher,
- John Haynes as Treasurer,
- Jerry Depew as Newsletter Editor,
- Robert Berlin as Webmaster,
- Greg Long for "Long On Safety",
- Max Burnette Technical Councilor, and
- George Douglas as President.



Others will be presented later. Thank You All for your contributions.



LONG on Safety

Carbon monoxide poisoning

By Greg Long

Carbon monoxide is a colorless, odorless, and tasteless gas that is slightly less dense than air, formed when a compound containing carbon burns incompletely because there is not enough oxygen. It is present in the exhaust gases of internal combustion engines and is very poisonous. Chemical formula: CO

Carbon monoxide has a very high affinity for hemoglobin in blood. Hemoglobin is responsible for transporting oxygen through the body. Carbon monoxide tightly binds to the hemoglobin, creating the compound carboxyhemoglobin, which prevents oxygen from binding. The result is hypoxia.

The symptoms of carbon monoxide poisoning include headache, impaired judgment, shortness of breath, increasing drowsiness, blurring of vision, confusion and in higher concentrations, unconsciousness and death.

Causes of high levels of carbon monoxide in general aviation aircraft

While on the ground, CO produced externally can enter cabins via open doors and hatches. Poorly designed and/or maintained aircraft, as well as damaged aircraft can result in high levels of carbon monoxide. Most piston powered aircraft obtain their cabin heating by air flow over the engine muffler. If there are any cracks, holes or poorly fitting components in the exhaust system, then CO-rich exhaust gases can enter the cabin. Engine exhaust may also enter the cabin through inadequately sealed firewalls, wheel wells, etc.

How to detect and protect against carbon monoxide in your aircraft

The best protection against CO poisoning is to avoid exposure. This is achieved through good aircraft maintenance. Attention should be given to the heating and ventilation system, exhaust system components, and manifolds.

Because of the risk and severity of consequences associated with carbon monoxide poisoning, the use of carbon monoxide detectors should be seriously contemplated. Various types are available, from inexpensive single-use chemical spot detectors lasting a year (about \$5) to portable reusable digital devices (\$150 - \$+++).

Do not fall victim to carbon monoxide poisoning. Get a detector and keep your aircraft well maintained!



Example Carbon Monoxide detectors available from **Aircraft Spruce** (a Chapter 17 supporter)

L to R – Stick-on (\$3.95), Portable (\$131.95), and Panel mounted (\$479).

CALENDAR OF EVENTS

Come join us for fun and education with other aviators.

Visit www.eaa.org/calendar to access a comprehensive list of events that you can filter to match your location, range, interest and schedule.

- March 3 First Saturday EAA Chapter Breakfast at Morristown (KMOR) (32 miles from DKX)
- March 3 First Saturday Breakfast and program. EAA Chapter 690 at Gwinnett Co. (LZU) (137 miles from DKX)
- March 3 First Saturday Breakfast. Winchester (BGF) (135 miles from DKX)
- March 5 **First Monday EAA Chapter 17 meeting at 510 Center.**
- March 6 Spins and Loss Of Control at 7PM at TYS 510 Center given by Catherine Cavagnaro.
- March 10 Second Saturday Breakfast. Monroe Co (MNV) (41 miles from DKX)
- March 17 Third Saturday CAP Breakfast at Cleveland (RZR) (73 miles from DKX)
- March 17 Third Saturday Moontown, AL breakfast. (3M5) (168 miles from DKX)
- March 24 Fourth Saturday CAP Breakfast at Dayton (2A0) (68 miles from DKX)
- May 12 **EAA Chapter 17 YOUNG EAGLES at KDKX with May 26 as a rain date.**
- May 26 **Invitation to a Cook Out at Deerfield Resort (TN44) (44 miles from DKX)**
- October 6 **Annual Banquet Luncheon: Bearden Banquet Hall. John (lites) Leenhouts President & CEO of Sun 'n Fun Expo will be our speaker this year.**



Short Notice Aviation Plans (SNAP) Any weekday that the weather is good. Why wait for a weekend?

Ready to schedule:

- ➔ Trade A Plane Publishers in Crossville, TN
- ➔ Group Fly Out to the Tennessee Museum Of Aviation in Sevierville.
- ➔ Group Fly Out to Andrews, NC (KRHP) to see Jerry Stadtmiller and look at his Antique Aircraft Restoration and Repair operation. (53 miles from DKX)
- ➔ Fly Out to EAA Chapter 242 in Columbia, SC. Trade Airplane Rides

Guest Speakers ready to meet with EAA Chapter 17:

- ➔ Tom and Pat Roush flying balloons in Austria.
- ➔ TEMPEST Spark Plugs with Vince Bechtel.
- ➔ A continuation of ForeFlight training.
- ➔ Future plans include a seminar on Mountain Flying.
- ➔ Aerobatics Seminar?

Do **You** have a meeting suggestion?



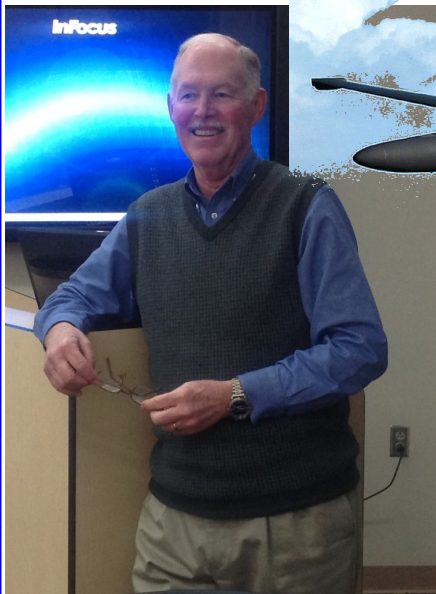
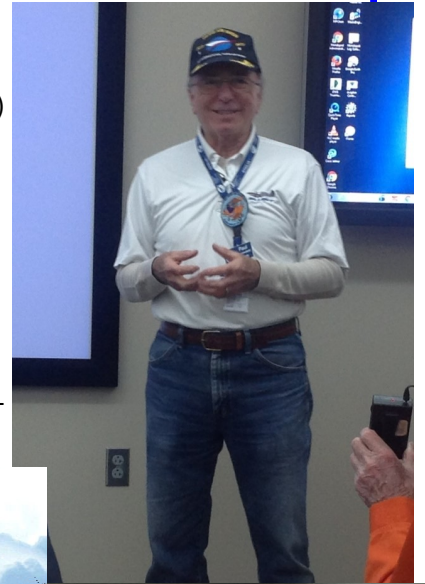
THE FEBRUARY MEETING Featured Two Guest Speakers, Food and Awards

By Jerry Depew

We had another great meeting at 510 Center for a fun filled meeting and stories of flying adventures in Paris, France and the near edges of space.

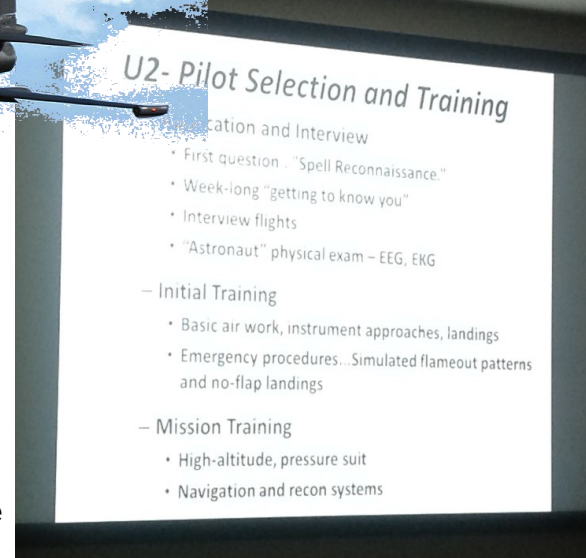
PAUL MERCANDETTI (former Vietnam Medivac Pilot and retired 737-767 pilot) spent the summer in Paris teaching Formation Flying with the local Swift organization in France. There they trained for a formation arrival to display their antique Swift airplanes at the Paris Air Show. His narration included many pictures of the flying, airports and club members. The occasion was an opportunity to share hospitality, good food and wine. It was a fun and informative presentation.

JIM ROBERTS (Director of Airport Operations at Knoxville TYS also a Swift owner, with 21 years in the USAF and U-2 pilot). Jim told of his experiences training for and flying



the famous U-2 high altitude spy plane. The U-2 is still in service today and is now in the -S suffix. It is relatively inexpensive and gives a lot of Bang for the Buck. Jim flew the "R" model that flew

in the



1970-80's.

Jim told some humorous stories working at high altitude in a space suit for as much as 12 to 14 hours with no refueling, like a heated tube of food exploding and instantly freezing to the upper canopy. Great, a sun shield but it thawed and dripped on the pilot (not him) covering everything with meat and gravy.



There were plenty of pictures of the airplane landing and taking off with the required chase car calling altitude over the runway. The first question for the U-2 Pilot Selection and training program was "Spell Reconnaissance".

AIRPORT COURTESY

By Jerry Depew

During my wintertime annual inspection on the Bonanza, I had occasion to review an old AD that requires me to inspect the elevator control brackets that are made of Magnesium. They are subject to cracking from strong winds from the rear or perhaps an engine start from a nearby airplane parked on the ramp. I realize now that I have been guilty of that myself when I start my plane in the tie down space instead of pulling it forward and pointing my propeller blast away from airplanes parked behind me. I realize now that I was not only rude, but also perhaps contributing to an expensive or unsafe condition. I resolve not be "That Guy" ever again.

As a side story, I have told of taking my wife camping at an airport at Gainesville Georgia when the Fire-cracker Fly In was a two-day event. We set up a tent that had aluminum poles in those days and returned later to discover our tent bent and tattered when my neighbor departed. We no longer had a place to spend the night and had to pack our gear and return home.



Extreme prop wash? No, but all airplanes are creatures of the wind, and can be devastated by inappropriate application.

FUTURE CHAPTER 17 FLY OUT AND COOKOUT

George Douglas has been working with the airport manager Tom Mc Cosh at the Monroe County airport (MNV) as a destination for a chapter event. Tickets will be sold for a meal that will be prepared for us and we can socialize with our many members, and again trade airplane rides with other pilots. This will be an opportunity to ride in an airplane that you may be interested in building or flying.

OAK RIDGE AIRPORT UPDATE

Gathered from an Oak Ridger story written by Ben Pounds.

The City of Oak Ridge is working with the Metropolitan Knoxville Airport Authority to be built on Department Of Energy land on the former K25 site. Neither Roane County nor the City of Oak Ridge will contribute financially, but will benefit from the added value of the adjacent industrial parks.

The airport will be owned by and managed by the Metropolitan Knoxville Airport Authority, who now manages McGhee Tyson and Downtown Island airports.

According to The *Oak Ridger* newspaper, the FAA will not grant a waiver for the distance between the runway and Highway 58. The FAA also would like the airport to be expandable to accommodate larger business class jets like the Lear and Gulfstream.



EAA Chapter 17

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EAA Chapter 17's mission is the promotion of education in aeronautics, flying safety, navigation, amateur or home-built aircraft, antique aircraft restoration and construction, and related aero-sciences. To foster aviation, education, and progress in light aircraft development and other closely related phases of aviation. And to maintain a non-profit cooperative association to obtain instruction and education in aviation.

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Your EAA Membership

Chapter 17 maintains our membership records. This is important for two reasons. First, and most important, we use the info to correspond with our members. Second, we are required to provide EAA Headquarters with a current chapter roster each year. To help update our records, we are asking everyone to please provide the following:

Name, Address, Phone Number, Email Address, and EAA member number.

Finally, **we can't emphasize enough the importance of full EAA membership.** This is especially critical in the current climate of proposed GA user fee increases and other threats to your freedom to fly! For \$40 a year for a single EAA membership or \$50 a year for family membership, you can add your clout to the battle, as well as get a great magazine in *Sport Aviation* each month and lots of other member benefits. **If you are not a current member of the international EAA organization, please join or renew your membership.** Go to <http://www.eaa.org/memberbenefits.html>, or call 800-843-3612.

In the words of Vintage Aircraft Association President, Geoff Robison, "Let's all pull in the same direction for the good of aviation. Remember, we are **better** together. Join us and have it all"

CHAPTER 17 MEETINGS ARE NOW ON THE FIRST MONDAY OF THE MONTH, UNLESS OTHERWISE POSTED!

EAA Chapter 17 Membership Renewal



Name: _____ EAA Member # _____

Address: _____

Email: _____ Phone: _____

Project or current aircraft or interest: _____

Annual Dues run from January 1st to December 31 each year.

Type of Registration: Regular: (\$20) Family: (\$20), list names: _____

Student (Free for [EAA Student](#) members):

Address, email, and phone info is used to update CH 17 records, is voluntary, and is not shared outside of CH 17. EAA Member # is required for our annual EAA Chapter renewal.

Please print, fill out, and bring to the next meeting, or mail to CH 17 Treasurer, at the below address. Please include a check for \$20.00 made to EAA Chapter 17.

Online registration (<http://www.eaa17.org/EAA17membership.htm>) available using a credit card or Pay Pal

Thanks for your continued support!

Renew online or by mail to:

Chapter 17
C/O PS Engineering
9800 Martel Road
Lenoir City TN 37772

Total amount of check \$ _____

