

NOVEMBER 2018



# Mountainland Flyer

EXPERIMENTAL  
AIRCRAFT ASSOCIATION  
EAA CHAPTER  
**17**  
KNOXVILLE, TENNESSEE

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Mark Scheuer

## Next Gathering

November 3, 2018  
6:00 PM

510 Building McGhee-Tyson

Max Burnette weighs in on W & B issue

Mark Scheuer reports on Remote Area Medical

## Message from your President

We had a very successful Annual Banquet luncheon on October 6<sup>th</sup> with John "Lites" Leenhouts, President and CEO of the Sun 'n Fun International Fly-In and Expo in Lakeland Florida. His message was so well received that many of our members have been moved to action to try to duplicate some of their successful programs like bringing aviation related Science, Technology, Engineering and Mathematics (STEM) programs to our local schools for example. Please read Bill Gibbens article concerning STEM. We will be discussing some of this at our next meeting. We have formed a committee of **Bill Gibbens, Pat Roush, and Greg Long** to head this up going forward.

Pat has already been involved with some local schools in Monroe County teaching STEM related courses. You can go to AOPA's website to learn more about these programs.



**Bill Gibbens, Marvin McGraw, Greg Long** and I had lunch with Chuck O'Donnell, who is a local ROTC instructor, concerning future Young Eagle events



with his motivated students. We feel that we will be more successful with high school students. Don't worry we will still conduct our once a year Young Eagle event at DKX.

At our meeting, we will have a short presentation from Mark Scheuer on RAM (Remote Area Medical). Mark is a board member of this nonprofit organization that uses their aircraft and those of volunteers to travel to remote locations throughout the world providing free medical treatment. RAM's founder, Stan Brock, died last month and several members attended his celebration of life ceremony.

Max Burnette will be making a presentation on Weight & Balance. I am sure many of us will have questions for Max on this subject.

The 2019 Officer voting is right around the corner. We have the #2 VP position open as Sam Robinson is stepping down to take a well-deserved break. Watch for an email from our chapter next month to vote on line. If you would like to put your name in the hat, please contact me or one of our other officers or board members.



John and Nancy Leenhouts enjoying the 2018 Banquet

How many of you have gone to our website recently and viewed our new Forum? It would be a good habit to at least view it once a week to stay informed on some of our local happenings. To make a post you have to be logged in to our site at [www.eaa17.org](http://www.eaa17.org).

Plan to attend our meeting at 6 pm to enjoy Shirley's Taco soup. As always, I encourage you to bring a dessert and or any other food you would like to share. See you this Monday evening.

George Douglas



Chapter 17 donated \$1,000 toward the recovery of Lakeland Aero Club PA-11 Piper Cub that coughed up a piston at AirVenture 2018



## STEM group. What do we want to do and why do we want to do it?

By Bill Gibbens

We were shown a high school devoted to training students for careers in aviation and aerospace, **Central Florida Aerospace Academy**. It prepares students for a high school diploma as well as employment in some aviation fields. Especially, preparing their students for entry into colleges with aerospace programs, taking them farther into Aerospace careers.

This is a **STEM** school. STEM is an acronym for **Science, Technology, Engineering, and Math**. I think of STEM as a label for fields that use one or more of these STEM elements.

STEM isn't a word we commonly use around our house.

I think if **Magnet School** was substituted for **STEM School**, it would make more sense to most of us. STEM is more accurate as magnet schools could be for the arts or music, or STEM curriculum.

**Central Florida Aerospace Academy** is a school that attracts students with dreams of being involved in Aviation. Dreams of flying.

### Where do we come in as an EAA chapter?

Young Eagles.

We helped put those dreams in their heads when we gave them their first airplane ride.

That was our mission.

### What can we do next?

Our small group is exploring to see if there is a way we could be a catalyst, to motivate and help school systems, develop magnet/STEM schools like Central Florida Aerospace Academy, into their school systems.

AOPA has developed a curriculum they can use for free.

The Aerospace Center of Excellence that is the umbrella organization that Central Florida Aerospace Academy is under, is spreading their concept around in Florida.

**In the mean time**, we are looking into working with ROTC programs in the area to help us fine tune our Young Eagles program follow up. They could help insure those ROTC students who we fly as Young Eagles, obtain and use their Sporty's Ground School, get their first flight lesson, and read the online version of our EAA magazine. We are not excluding non-ROTC students in any way. This is only where we plan to start.

## ADVERTISEMENT

### Dan Valle Chapter 17 Member offers Aircraft Certs

For VFR \$85, with Mode S VFR \$100...Less than 30 minutes

For IFR \$275, Mode S \$300...About 2 hours

If enough folks sign up for service, he will come to you, Or, if owners don't mind the short flight to TN44, he can handle here.

Contact Dan Valle Cell 313-539-9818

*A portion of the proceeds from members certification testing is returned to Chapter 17*

ACE Presentation from John "Lites" Leenhout:

By Bill Gibbens

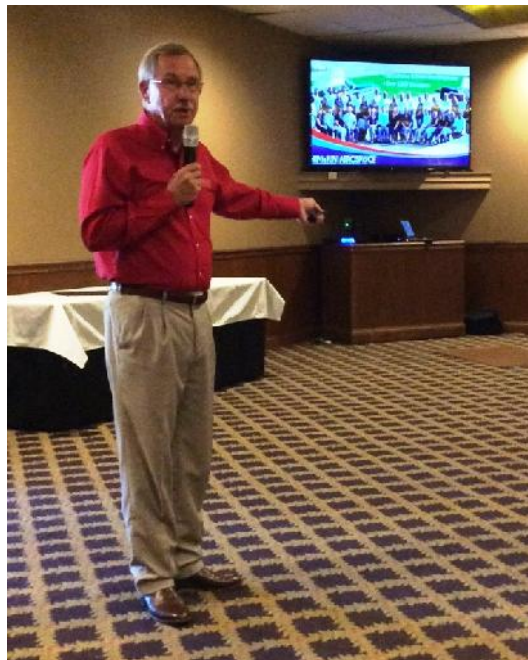
An accomplished retired Navy fighter pilot, holder of record for number of "traps" landing on aircraft carriers, Lites is now president and CEO of the Sun 'n Fun organization in Lakeland, Fla. gave a great multimedia presentation of The **Aerospace Center of Excellence, ACE**.

When Commodore John Leenhouts became CEO, S&F was making a couple million dollars at this one week event, but wasn't paying all the expenses of the grounds and year around expenses. His vision led him to turn the event into a year round series of events and the creation of the Aerospace Center of Excellence. For one example, his vision helped turn the museum into a learning environment, beyond just a room full of static displays.

With John's vision, under the umbrella of the ACE, a STEM or Magnet School was created, **Central Florida Aerospace Academy**. This school is a fully functioning STEM high school with a strong educational emphasis on Aviation and Aerospace studies. As well as class room education, they have JROTC and several extracurricular clubs and activities.

The school has strong active ties to Aerospace colleges such as Embry Riddle and Aerospace related industries. In addition, there is the Lakeland Aero Club, a flying club exclusively for young folks from 14 – 24 years old. The Lakeland Aero Club exists to provide an opportunity for local youth to get involved and make a future in aviation.

[www.flysnf.org/ace/](http://www.flysnf.org/ace/)



**AEROSPACE**  
Center For Excellence

## LONG on Safety

**Winter is almost here, and just a few reminders.**

- As the temperature drops, preflighting your aircraft requires a little more attention. Lower temperature may affect tire pressure, battery performance, and the viscosity of engine oil. Check for any animals nesting in the air intakes or engine compartment to escape the cold. Look for ice and frost buildup on wings and propeller prior to take off and remove.
- Ice and snow may require longer landing distances with less control.
- The winter season can produce stronger winds. Be aware that your airplane can slide sideways or even flip when taxiing on an icy runway in crosswind condition.
- In the winter, days are shorter. When planning cross country flights take into account the shorter days and get current for night flying.



## Surprise from the skies

By John Winter

On a recent trip to St Louis this past Fourth of July to see the annual airshow and take in the historic sites, including the Gateway Arch, and a side trip down to Mather Lodge; we stumbled upon a surprise from the skies. A little yellow crop duster in flight.

First I want to apologize for not having pictures of this little bird in flight. I really wanted to stop on the side of Highway 67 in Arkansas and watch this little guy at work but I was afraid that my wife would think I had lost my mind. See, she isn't really into aviation like me. In fact some would consider her the exact opposite when it comes to me and planes. I believe outsiders would call her normal. Hmm..... What would that make me? Never mind. Don't answer that. Let's get back to the story.



We began our trip with a stop in St. Louis to see the Gateway Arch and as with many of our adventures we stumbled across a festival at the arch that had, of all things, an airshow. Some of the acts I had seen before at Oshkosh such as the red and black Beech 18 and the Aeroshell team but there were also a few that I hadn't seen. I have seen many airshows in my time on this planet and while they are all pretty much the same, I love to watch the expressions on the faces of the people watching airshows. Aviation just has an incredible way of reaching into your soul and pulling out smiles. That said, I had to smile myself when I noticed that the shadow of the Gateway Arch was on the smoke trail of the Aeroshell team in one of my pictures. Completely unplanned but incredibly timed.

After the airshow and a small break in the action, the local symphony started up with an excellent outdoor performance of classical music as well as newer pieces. We sat and listened to the music as the sun went down and watched as the sun began to cast an amazing golden reflection on one side of the arch.

The pictures just don't do it justice. It became brighter and

brighter as if the arch was going to melt. It was truly one of those memorable moments that will stay with me forever. And then it was over. This natural light show was then followed up with a firework show that was the standard fare but really didn't compare with the sun on the arch.

Following the festival, we headed south to Arkansas and Mather Lodge. That is when we had our encounter with the crop duster. Driving through northern Arkansas on Highway 67 you encounter farm after





farm. Each one with what appeared to be a beautifully manicured lawn with the color of Augusta National before the Master's golf tournament. At first we thought they were sod farms but because they were so flat and perfectly level, we figured there had to be something different about these fields. A quick Google search revealed that they were rice patties. After closer inspection we could see the sun shining off of the water and noticed the dikes surrounding the fields. Who knew that Arkansas was one of the top producers of rice in the United States?

Along with this crop, come low flying crop dusters performing an aerial dance. This dance began as we were driving along, when out of nowhere comes this little yellow bird dropping out of the sky and strafing these fields with its load of fertilizer or pesticide or both. Fast and low, it flew along the field maybe ten to fifteen feet above the tops of the rice plants. Once it reached the end of the field, the plane would shoot up at a 45 degree angle and do a wingover and drop back down and attack the field from the opposite direction. The back and forth, back and forth maneuver was mesmerizing. It reminded me of a pelican in flight. Not simply because the low wing crop duster resembles a pelican in that it is not a very aesthetically pleasing aircraft but by the way it flies along. Pelicans dive down and skim the surface of the sea similar to the crop duster. The pelican will even do a wing over when it sees fish but unlike the plane, it typically crashes into the sea to grab its meal. We saw this plane for only a couple of minutes but the experience stuck with me.

Once we passed the field and traveled about a mile, another crop duster, this time a red one, flew up next to us at about one hundred feet above the fields. His parallel track kept him moving with us but after several minutes he had advanced ahead and crossed the highway seeking another field to swoop over and repeat the entire process.



Later that evening as we sat and ate dinner at Mather Lodge, I looked out at the misty mountains and wondered if those pilots of those crop dusters knew that they had made my day by simply doing their jobs. Probably not, but is sure was fun to watch them work in those fleeting moments along Highway 67. So if you are ever traveling in the area of northern Arkansas, be on the lookout for the pelican of the agricultural world over the rice patties along the highways. And if you are looking for a weekend trip, give Mather Lodge a try. It's not far from Petit Jean Park Airport (MPJ) and well worth the trip.



John Winter

## CALENDAR OF EVENTS

Come join us for fun and education with other aviators.

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

- |                |   |
|----------------|---|
| November 3     | First Saturday Breakfast. Winchester (BGF) (135 miles from DKX)   |
| November 3     | First Saturday Breakfast and program. EAA Chapter 690 at Gwinnett Co. (LZU) (137 miles from DKX)  |
| November 5     | First Monday of the month EAA Chapter 17 meeting at 510 Center  |
| November 10    | Second Saturday Omelet Breakfast. Monroe Co (MNV) (41 miles from DKX)   |
| November 16-18 | The EAA B-17 "Aluminum Overcast" will offer rides and tours of the aircraft at Morristown (KMOR) (3 miles from DKX) For reservations call: 8C -359-6217 or go to <a href="http://www.B17.org">www.B17.org</a>   |
| November 15    | FAA SAFETY Next Gen Learning Event: ADS-B and Me presentation by Carpenter Avionics TYS 510 Center<br><br><a href="https://www.carpenter-avionics.com/events/ads-b-me-nextgen-learning-event-knoxville/">https://www.carpenter-avionics.com/events/ads-b-me-nextgen-learning-event-knoxville/</a> |
| November 17    | Third Saturday CAP Breakfast at Cleveland (RZR) (73 miles from DKX)   |
| November 24    | Fourth Saturday CAP Breakfast at Dayton (2A0) (68 miles from DKX)   |

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?

## MOONTOWN, ALABAMA FOR BREAKFAST?

Our chapter has been invited to fly down as a group for one of their Third Saturday monthly breakfast. They would then take us over to their hangar museum and give us a tour. More information will follow.



# EAA Chapter 17

EAA Chapter 17  
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Email: publisher@eaa17.org

**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 co-operative association to obtain instruction and education in aviation.

## 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 EAA Member # \_\_\_\_\_



Name: \_\_\_\_\_

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 \$ \_\_\_\_\_

