



# News!

## July 2019

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## From the President

Hi, everyone!

The STEM day was a great success and thanks to all that participated. There is more on the event later in the newsletter.

Don't forget that AirVenture 2019 is July 21-28 in Oshkosh. I don't know who's going this year, but we'll look forward to hearing about your adventures at the August meeting.

The July presenter will be Charlie Daubs. He will talk to us about his experience flying the SR-71.

See you July 8, 7:00 at Oracle!

Chris Halfman

## Young Eagles

EAA 80 Young Eagle Program:

Thank you for your time and efforts on Saturday, June 8th! We flew 63 kids, which was a great supplement to what the Aviation STEM Day was offering with the static displays, information tables and pancakes. The YE flights were definitely the most attractive aspect and we actually had to turn many people away, so they'll probably be back at our next event on July 13th.

Special thanks to Josh Tocko! Josh has been a Young Eagle co-coordinator for a couple years now and unfortunately is moving out of town the first part of July. Next time you see him, please say thanks for all that he's done for EAA Chapter 80 and the Young Eagle Program!

Also, special thanks to Scott Priddle who has volunteered to step into Josh's place and co-coordinate with me. You'll see Scott a lot more in person at the events as with my seniority I can't get weekends off, and you'll see a lot more e-mails from me since I can do those from anywhere. Seems to be a pretty decent division of duties so that neither one of us is overburdened.

Back to the recent event. As with every YE event, we invite your comments on what went well and what can be done better. The biggest thing we're working on now is an MLE runway 12 pattern that balances safety and comfort. Safety by flying over suitable land-out sites with potential discomfort having to stay below the class C airspace in potentially turbulent air.

Kudos to the pilot who on 6/8 stopped flying YE flights when the conditions exceeded his personal comfort, which is a great thing!

The E in the FAA's PAVE checklist talks about external pressures and this pilot didn't let the external pressure of the YE flights push him too far...so this is a success!

To help foster timely communication of changes of an event, texting seems to be the most appropriate. There's a free site called RainedOut that we're going to use (and have used in the past actually). So if you would, please text the letters **EAA80YEVOL** to **84483** to sign up...no spam, just good information! You can also sign up for the public announcements which is: EAA80YE2019.

Fly safe!

-Jim

## Garmin General Aviation Equipment

Bob Negus of Oracle Aviation is offering discounted pricing on all Garmin General Aviation items, even beating any Internet pricing. He will also offer discounted pricing on the Redbird MCX simulator. You can reach Bob at 402-934-5300 or via e-mail at [bob.negus@oracleaviation.com](mailto:bob.negus@oracleaviation.com).

## General Aviation History

### Charles E. Taylor: An Aviation Maintenance Hero

Date: 28 July 2014  
Aviation Institute of Maintenance Blog  
Used with permission

Charles E. Taylor was the mechanical genius behind the Wright Brothers' triumphs. As such, he was the father of aviation maintenance. It's taken over 100 years for Taylor to gain widespread recognition for his contribution to aviation maintenance, but on May 22, 2014, the National Museum of the U.S. Air Force in Dayton, Ohio, unveiled a bronze bust of Charles E. Taylor to honor the first aviation mechanic.

### Taylor Was A True Pioneer

But back in the days of the Wright Brothers, there were no instruction booklets, manuals or handbooks, and they were flying by the seat of their pants, quite literally.

To many, Taylor is a pioneering icon, right up there with Thomas Edison and Henry Ford, and indeed he has inspired people way beyond his own field.

To most, Charles E. Taylor is a complete unknown. Even though the Wright Brothers would never have succeeded without his input and expertise, and he was practically the third Wright brother, his contribution to modern aviation maintenance is largely overlooked by the layman.

Taylor shunned the limelight, but when it came to celebrating the 50th anniversary of the airplane, the media interviewed him, and it was only then that his genius came to light. In fact, Taylor has been credited with many firsts related to aviation, including:

- Being instrumental in the first powered flight
- Becoming the first airport manager
- Helping to build the first military plane
- Engineering the first transcontinental flight
- Getting inducted into the USAF Museum as the first airplane mechanic

### The Early Years In Illinois

Born on a farm in Illinois on May 24, 1868, Charles E. Taylor didn't know he was destined for greatness, but he knew he liked to tinker. He

married in his 20s and had a son before moving the family to Dayton, Ohio, where he had relatives and prospects for work.

Taylor found a good job making farm machinery and bicycles for the Stoddard Manufacturing Company in Dayton, and he was destined to meet Wilbur and Orville shortly afterward; Taylor's in-laws owned a building there, and guess who rented the place for their bicycle shop?

### Taylor Meets The Wright Brothers

By 1901 Taylor was working at the Wright Cycle Company, repairing bikes, minding the store and – of course – tinkering. When the Wright Brothers started working on a flying machine, they needed a powerful but lightweight engine. Taylor said he was up to the task, and he was. It took just six weeks for Taylor to create an engine that met their specifications, and he did it with just the tools in the Wright Brothers' bicycle shop: a 26-inch band saw, 20-inch drill press, 14-inch lathe, 6-inch bench grinder and a primitive wind tunnel. On Dec. 17, 1903, the Wright Brothers made history with their first flight – with much help from Charles E. Taylor. Taylor's work was just beginning. He spent the next decade working for the Wright Brothers, upgrading engines and repairing the airplanes. When the brothers established the world's first airport in nearby Huffman Prairie, Taylor was appointed as the first airport manager, and he became the father of aviation maintenance. Soon after in 1907, the Wrights won a contract with the U.S. Army to develop the first military plane, it was Taylor who designed and developed the engine.

### The First Transcontinental Flight

The story of Charles E. Taylor and the first transcontinental flight is fascinating, as it was prompted by a contest sponsored by publisher William Randolph Hearst: A prize of \$50,000 was offered to the first pilot who could fly across the entire country in 30 days or less.

An adventurous lad named Cal Rodgers took the challenge, but had the good sense to hire Orville Wright as his flight instructor and Charles E. Taylor as his chief mechanic. After

taking off from Sheepshead Bay, NY on Sept. 11, 1911, Rodgers made his shaky way across the United States, with Taylor following close behind in a car.

After landing over 70 times and crashing about 15 times, the plane limped across the finish line in Pasadena, CA on Nov. 5. The flight set new records and took aviation to the next level, but it took too long to win the prize.

Once again, Taylor avoided the limelight and received little credit for keeping Rodgers' plane afloat for this groundbreaking voyage. That was just fine for Taylor. He preferred to stand in the wings as he ushered in greatness, allowing the Wright Brothers to become household names and the inspiration for millions of dreamers who came after them. But who inspired the Wright Brothers? Charles E. Taylor.

<http://www.aviationmaintenance.edu/blog/aviation-maintenance/charles-e-taylor-aviation-maintenance-hero/>

## Looking for a Static Display Aircraft

One of our members, Jon Vanderhoof, has a friend who is trying to find an old taildragger aircraft that is not flyable so he can hang it from the ceiling of his building. The friend runs a nonprofit organization for disadvantaged kids in North Omaha and wants them to be able to see the airplane. Does anyone know of a plane that can be had for very little money that can be purchased, even if it needs to be assembled or fixed up a bit? Contact Jon at [Jon.Vanderhoof@childrens.harvard.edu](mailto:Jon.Vanderhoof@childrens.harvard.edu).

## Minutes

### June 2019

The chapter meeting was held on June 10<sup>th</sup> at Millard Airport, Oracle Aviation. The meeting was called to order at 7 PM by President Chris Halfman.

Guests included the speaker Dr. Huang, and Jim Arbuckle (B35 Bonanza at KMLE).

**Meeting Minutes:** The May 2019 meeting minutes were approved as published.

**Treasurer's Report:** The treasurer's reports for June was presented. The opening balance was \$13,682.14. Chapter receipts totaled \$434 (dues, FDMS deposit, and 50-50 drawing). Chapter expenses totaled \$39.55 (trailer license, YE mail, and CC fees). Ending balance \$14,076.59. The treasurer's report was approved as published. Note: the trailer registration (if needed) is in the can in the front of the trailer.

**Membership:** Bob Condrey reported 102 members. Eleven of the 102 members need to pay dues for 2019. Bob still has 44 members that need head photo shots for the chapter directory (either have Bob or Mike Howard take a picture, or email him a picture). There are 18 members that need to provide their national EAA membership numbers.

**Tech Counselors:** Mike Howard had nothing to report.

**Young Eagles:** Neither Jim Beyer or Josh Tocko were present. Josh may be moving away and Scott Pridie has volunteered to help with YE.

**Tools:** One of the aircraft jacks is out.

**Builder Reports:**

1. Bill Haas reported that he is working on the engine baffle seals.

2. Tom Wieduwilt reported that he knows someone with an RV3 build that would like to sell the project. Plans build, not a kit. Has a Lycoming O-320. If interested, contact TW.

3. Bill Gilbert has received his fuselage kit and inventoried the parts.

**Builders Meeting:** None scheduled.

**Fly-outs:** Mike Howard reported a recent flight of three aircraft to Albany Missouri. Planning an RV fly out to Boone IA on Saturday, 6/15/19.

**Social Coordinator:** Bruce Mundie brought up the possibility of attending both the Lincoln SAC Museum party in December as well as having our own in January. No further decisions made.

**Old Business:**

1. No report on the status of the signage board.
2. 501c(3) application – no change, awaiting an IRS response.

**New Business:** None to report

**Announcements:**

1. Tommy Ostlund reported the Tri-Motor is in Hastings, NE this weekend.
2. Jim Condrey reported the sad news regarding Jim and Trina Beyer's grandson that was stillborn at birth, perhaps due to an infection.

**Raffle Drawing:** No raffle this month.

**Presentation:** Dr. Victor Huang, PhD, University of Nebraska Omaha Aviation Department, UAS Program, provided the presentation. Dr. Huang was a China CAAC air traffic controller, has an FAA Private Pilot's license, is a ground school instructor, and is a UAV pilot. The UNO Aviation Department was founded in 1996 and has 210 major students. They have 6 full time faculty, 15 part-time, and two staff members. UNO offers a Bachelor of Science in Aviation that includes studies for: Professional Flight Pilot, Air Transport Administration, and Unmanned Aircraft Systems. Dr. Huang has been at UNO for

one year and provided a very interesting presentation on the use of UAS for aerial surveillance, farming, floods, and sporting events; as well as the study and design of UAV's, systems, and flight controls. All are welcomed to contact him and visit the school.

**July Meeting:** The next meeting is July 8<sup>th</sup>, 7pm, at Millard Airport Oracle Aviation.

## June

### EAA AirVenture 2019 Features and Attractions

Wed, June 26 – 7 p.m. CDT

Presenter: Rick Larsen/Dennis Dunbar

[Register Now >>](#)

## July

### A Matter of Policy

Wed, July 3 – 7 p.m. CDT

Presenter: Mike Busch | *Qualifies for FAA WINGS credit.*

[Register Now >>](#)

### Adventures in Examining: One DPE Confesses All

Wed, July 10 - 7 p.m. CDT

Presenter: Prof. H. Paul Shuch | *Qualifies for FAA WINGS credit.*

[Register Now >>](#)

## **Aerobatics: Basic Through Advanced Maneuvers Training**

**Tues, July 16 at 7 p.m. CDT**

Presenter: Mike Lents | *Qualifies for  
FAA WINGS credit.*

## **How to Start a Type Club**

**Wed, July 17 – 7 p.m. CDT**

Presenter: Robbie Culver

[Register Now >>](#)

## **August**

## **I Wanna Sue Someone**

**Wed, August 7 – 7 p.m. CDT**

Presenter: Mike Busch | *Qualifies for  
FAA WINGS and AMT credit.*

[Register Now >>](#)

## **What is Scenario-Based Training: How to Use it In Your Everyday Flying**

**Tues, August 20 – 7 p.m. CDT**

Presenter: Tom Johnson | *Qualifies for  
FAA WINGS credit.*

[Register Now >>](#)

## **September**

## **Double Standard?**

**Wed, September 4 – 7 p.m. CDT**

Presenter: Mike Busch | *Qualifies for  
FAA WINGS and AMT credit.*

[Register Now >>](#)

These are the current webinars listed on [eaa.org](http://eaa.org). Please check the site at <https://www.eaa.org/en/eaa/news-and-publications/eaa-webinars> to see if there are other webinars available.

**EAA 80 MONTHLY TREASURER REPORT**

Jul-19

Checking

Acct. 310

Opening Balance \$14,076.59

Receipts

5/16/19 FDMS Dep \$25.00

50/50

6/12/19 Dues Chks \$50.00  
Cash

Expenses

6/8/19 Y.E. STEM Brkfst Exp \$112.00

6/4/19 FDMS Fee \$4.95

6/4/19 FDMS Discount \$0.76

6/10/19 Battery Repl. Exp \$13.74

Chris Halfman

6/13/19 Y.E. Prt Ink & Labels \$48.48

Jim Beyer

Refresh

FDMS is First Data Management System  
(Credit Card)

As Info the Y.E. Expenses Should be  
Reimbursed by Nat'l in January

(Note: Credit Card amounts will  
be accounted on cash basis when  
recorded on bank statement)

**Ending Balance** \$13,971.66

AS INFO July 2018 \$16,032.11

Mail checks to:  
 Bob Condrey  
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# EAA CHAPTER 80

## 2019 APPLICATION FORM

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CONTACT INFORMATION			
NAME		EAA NUMBER	
ADDRESS			
CITY, ST, ZIP			
SPOUSE NAME			
HOME PHONE		CELL PHONE	
E-MAIL ADDRESS			
PROFESSION		RETIRED	

MEMBERSHIP PROFILE										
OWNED ACFT						N-NUMBER				
ACFT BUILDER		TYPE:					COMPLETE %			
LICENSE										
SKILLS <small>1/SOME - 3/LOTS</small>	WOOD		METAL		TUBE/FABRIC		COMPOSITE			
EMAIL GROUPS	FLY-OUT		BUILDERS			YOUNG EAGLES				
PUBLISH INFORMATION IN CHAPTER DIRECTORY			HAVE A NAME TAG		YEAR JOINED CHAPTER 80					
YOUNG EAGLE VOLUNTEER					YOUTH PROTECTION TRAINING CURRENT					

OFFICE USE: (DUES \$25 PER YEAR)									
2017		2018		2019		2020		2021	
PAYMENT	TYPE				AMOUNT			DATE	

Last updated: 11/17/2018