



12 January 2023

## EAA Chapter 24 Meeting Items



1940 Cessna C 165 General Motors Special. It had an experimental GM X-250, a 2-stroke, water-cooled, 4-cylinder radial with each cylinder sharing two pistons. WWII stopped development. It now has a Warner radial installed. Only one was built. (Oshkosh 22)



# Agenda



- Call to Order – Introduce Newcomers/Visitors

**Old / Continuing business:** Many thanks to Gary Manning for hosting 80+ EAA family members at our tri-chapter Christmas feast

- Note: YE Coordinator **mandatory** web **training** before our first YE rally in 2023.
- **Young Eagles** : Sundance, Saturday 17 Dec, for STEM Aviation students from Deer Creek, Mustang, and Putnam City High Schools – 53 slots, 36 signed up, 23 showed up and flew
  - Part of the Oklahoma Aeronautics Commission's program to put the AOPA STEM pilot/mechanic/drone program in OK high schools.
  - **Many thanks to all our YE pilots – 9 airplanes and pilots, 15 flights!**
  - **Dennis Boren, Troy Chaddon, Pat Cohenour, Larry Danko, Scott Dorsey, Lee Holmes, David Johnsen, Lawson Laslo, and Antonin Stoddard!**



# Agenda



## Young Eagles dates for 2023:

- All are scheduled for the 4<sup>th</sup> Saturday of the month from March thru October with the exception of July (Oshkosh)
- Pancake breakfast starts at 8 AM, flying at 9 AM , finish by noon
- Dates are: March 25, April 22\*, May 27, June 24, August 26, September 23\*, and October 28.
  - \* these dates are the fourth Saturday in a month with five Saturdays





# Old Business



## EAA Ray Aviation Scholarship winners – Status updates

- **Tucker Barbee** – Latest Scholarship (19 hours so far!)
- **Lawson Laslo** – Private Pilot, Instrument rating check-ride passed
- **Antonin Stoddard** – Private Pilot, (15 Aug 22) now a Young Eagle Pilot!
- To learn more about the Ray Aviation Scholarship program and program requirements, visit [EAA.org/RayScholars](https://www.eaa.org/RayScholars). If you have any questions, please contact 800-564-6322 or [rayscholars@eaa.org](mailto:rayscholars@eaa.org).

## Sundance Aviation Scholarships – updates

- **Victoria Stevens** – Private Pilot! (12 May 21)
- **Bill Pickle** – soloed (10 Feb 22)
- **Jeff Drebes** – Private Pilot! (16 Oct 21)
- **Foster Becquet** – Private Pilot! (25 Aug 21)
- **Seth Johnson** – Soloed! (13 May 21)
- **Hannah Fortnoy** – Soloed (28 Feb 22), on way to finish
- **Craig Jackson** – Soloed! (16 Sep 21)



# *Old Business*



## Sundance Aviation Scholarships – updates

Emily Moore – Soloed! (27 Nov 21)

Michael Willman – Soloed! (9 Nov 21)

Robert Henson - Soloed! (5 Nov 21)

### Summary:

- 20 Candidates so far
  - One enlisted in the Navy
  - One enlisted in the Army
  - 12 have Soloed!
  - Five are now Private Pilots.
  - Seven other flying – no current data

**As of 1 January 2023, the Sundance Flight Academy has been sold.** The school will remain at Sundance airport.

- We are very grateful for all the support and Sundance scholarships we have had. It made a difference!



# Young Eagles Build and Fly



## Introducing the YOUNG EAGLES **BUILD & FLY** PROGRAM



### STATUS REPORT:

Pat Cohenour

- First flight successful!
- Model even useable for another flight!
- Thanks to all who helped build it and flew it
- **Next flight day...?**

### What's Included

The program kit includes a SIG electric-powered eKadet LT-40 kit, all building materials, electronics, and accessories; a Horizon Hobby Vapor indoor RC model, and a copy of the RealFlight 8 RC flight simulator.

[Learn More >](#)



- New aircraft in the works – much more crash-worthy.
- Isabella and Victoria working on the new Skynetics trainer



# Old Business



## Chapter Aircraft project Current Status report

- JJ Johnson, an A&P Instructor at Metro Tech at Will Rogers looking into taking over the project.
- Eric Muehlberg standing down
- Alex Jennings, Jay Burgess waiting to help JJ with labor and scheduling





# ***Election of Officers***



- EAA requires a minimum of 4 Elected officers: **President, Vice-President, Secretary and Treasurer**
- Elections are slated for December, but with our Christmas Party, we hold Our election in January.
- Currently volunteers for the positions are:
  - **President:** Jim Putnam
  - **Vice-President:** Larry Eversmeyer
  - **Secretary:** Lawson Laslo
  - **Treasurer:** David Wilson
- Are there any others who would like to be considered for one of these positions?
- Nominations
- Discussion
- Vote





# ***New Business***



## ***EAA Chapters Gold Criteria***

1. Attends a chapter leadership training session – We hosted a chapter leadership boot camp
2. Growing or steady membership
3. Offers IMC or VMC Club programs – we do both
4. Participates in Young Eagle or Flying Start Programs – We do both
5. Has EAA approved Flight Advisor or Technical Counselor – We have a Flight Advisor and five Tech Counselors
6. Participates in EAA annual chapter member survey – reminder sent out by Chip in December
7. Participates in: Build and Fly, Young Eagles Workshops, send a youth to EAA Air Academy, or fully completes a Ray aviation scholarship program in 2022 – We do build & fly, we have had Antonin get this license in 2022 on a Ray scholarship.



# *New Business*



## *Gold Chapter Criteria (continued)*

8. Requests an EAA Chapter Blast e-mail- Did for flying start program
9. Hosts at least two public events each year – Held 7 pancake breakfasts and YE rallies for 2022, plus several other YE events on separate dates.
10. Owns/leases a facility – We have a hanger here at Sundance
11. Extra credit activity, such as a chapter build project, youth build project, chapter scholarship (aside from Ray Scholars), a chapter tool crib, IAC competition, etcetera – We had the Kit Fox project and now we have the Piper Colt project

For a chapter to achieve the gold level (about the top 7% of all chapters) we must achieve 9 or more of these criteria.



## *Time to Think about Winter Activities*



- Get Piper Colt underway
- Visits to projects underway – time to take a count of who is now building...a what? **Any Volunteers?**
- Sort, “treasure” and/or dispose of large collection of EAA and AOPA magazines and aircraft manuals in chapter Hanger
  - Some are collections of homebuilt magazines going back 20-30 years.
  - Need someone in charge to sort, box, index and dispose as needed. May possibly sell some at Oshkosh fly mart
- Fly dates for our R/C model aircraft and get more youth involved
- Other ideas? Fly-outs? Museum Visits? Youth activities?



# *EAA's New AeroEducate Program*



**AeroEducate is a free resource filled with age-based activities and clear pathways to aviation and aerospace industry careers where K-12 students can discover and ignite their curiosity in aviation.**

AeroEducate is a way for students, teachers, parents, and **EAA chapters** to interact with aviation in a whole new way. By signing up for a FREE AeroEducate account, you can find awesome web-based projects, experiments, and experiences that can earn points toward progressive AeroEducate Badges.



# *EAA's New AeroEducate Program*



It is designed to:

- Open the minds of kids from grades K-12 to new interests
- Let them explore careers in aviation (age-appropriate)
- Provide educationally vetted Grab and Go STEM Activities for Teachers

As a chapter, we can use the STEM aviation themed activities to **engage students before or after a Young Eagles Flight.**

- AeroEducate will walk you through each project with simple-to-follow instructions that can help you inspire a child's passion for aviation!
- Badges can be earned for chapter activities. As each activity is completed, points are earned toward badges.
- They earn credits in our online learning management system (LMS) to achieve new badges.



# EAA's New AeroEducate Program



## Talon Badge

**Grades K-2**

Activities range in length from 20 to 30 minutes with structured activity design where students follow a teacher's directions.



## Aviore Badge

**Grades 3-5**

In these 30-to-40 minute projects, teachers will be able to present a problem and provide resources while students get to make some independent choices about various stages of the activity.



## AeroPioneer Badge

**Grades 6-8**

Students get to explore their own innovative ideas as teachers pose a challenge and students design or improve a project independently in these 40-to-50 minute activities.



## AeroExpedition Badge

**Grades 9-12**

Designed to encourage more critical thinking, students can experiment with iterative or independently-driven activities that take about 40-to-60 minutes.



## AeroEducate Badge

**Capstone Project**

Once the students have worked their way up through the AeroEducate program, they can earn the ultimate badge by submitting their goals and plan for their dream career in aviation. Career plans are reviewed in part by our aviation industry partners for additional networking and exposure.



# *EAA's New AeroEducate Program*



- Activities will include taking a Young Eagles flight, participating in Build and Fly programs, and much more!

## **Chapter Expectations from EAA**

We are going to need the help of chapters to make this program all it can be. We need chapters to help spread the word of AeroEducate and the many benefits to youth for getting involved. We are asking for your assistance in not only promoting and encouraging youth to participate, but, more importantly, the continuing support and encouragement of those kids. Needless to say, chapters are a vital part of AeroEducate.

**Purpose today:** expose our chapter members to this new program

More info at: <https://www.aeroeducate.org>

# EAA VMC Club







## VMC Question for January 2023



Question: You are contemplating a short, daytime over water VFR flight (sea level) in Class G airspace with overlying Class E airspace having a floor of 700 feet. The current conditions include a ceiling of 1,100 feet and 10 miles visibility. What is the highest altitude at which you can legally fly?



## VMC Answer



Question: You are contemplating a short, daytime over water VFR flight (sea level) in Class G airspace with overlying Class E airspace having a floor of 700 feet. The current conditions include a ceiling of 1,100 feet and 10 miles visibility. What is the highest altitude at which you can legally fly?

**Answer:** Although you might be tempted to fly higher over the water for safety reasons, you must remain below 700 feet to avoid entering the Class E airspace. Although in Class G airspace you need only remain clear of clouds, once in Class E airspace you must be at least 500 feet below the clouds. Once you cross the line into Class E airspace, you are in violation of cloud clearance requirements.

Reference: FAR 91.155



## IMC CLUB QUESTION



**Question:** What is the difference between a MOCA and MRA on a VOR federal airway?



## IMC CLUB ANSWER



**Question:** What is the difference between a MOCA and MRA on a VOR federal airway?

**Answer:** The MOCA (Minimum Obstruction Clearance Altitude) is the lowest published altitude between radio fixes on VOR airways, off-airway routes, or route segments at which obstacle clearance requirements for the entire route segment are met *and* which assures acceptable navigational signal coverage only within 25 statute (22 nautical) miles of a VOR.

The Minimum Reception Altitude (MRA) is the lowest altitude at which we can navigate the airway and also identify navigational fixes using the identified *off route navaids*. Note that the MOCA may be lower than the MRA, and an MRA could be higher than the minimum enroute altitude (MEA).

Reference: FAA-H-8083-16B, glossary



# AOPA Safety: VMC into IMC



Life expectancy of a VFR pilot flying into solid IMC clouds is 178 seconds

- Worst weather-related cause of general aviation accidents each year
- 86% fatality rate!
- AOPA's Safety Institute has top-quality safety on-line training on topics like this. Get a certificate for completing the training.
- Go to [airsafetyinstitute.org/VFRintoIMC/AvoidEscape](https://airsafetyinstitute.org/VFRintoIMC/AvoidEscape)





## LATEST NEWS



### **AP news: FAA NOTAM system failure grounds thousands of commercial flights across the USA**

- **FAA said outage traced to damaged database file**
- **System went down late Tuesday, 10 Jan 23 and not up again until Wednesday 11<sup>th</sup> at midmorning**
- **FAA took rare step of preventing any planes taking off for some time. 1300 flights were cancelled, 9000 more flights delayed**
- **Last time this big of a grounding was on Sep 11, 2001 (9/11)**

### **EAA News: Congressional Action Underway to Fix LODA issue**

- **FAA ruling in July 2021 required experimental aircraft owners to get a local letter of deviation authority (LODA) to allow them to be trained in their own aircraft, receive bi-annual flights, etc.**
- **Issue could be fixed by Congress as a measure within the national defense reauthorization bill working through Congress now.**



# Chapter Video(s)





# Chapter Video(s)





# *“Last Minute, or I Forgot”*





***Airshow coming to Tinker AFB!***



# SAVE THE DATE

## JULY 1-2, 2023

**Contact: Chris Moler,  
Community Partnerships  
(405) 517-5106 or  
[chris@staarsolutions.com](mailto:chris@staarsolutions.com)**



Last time we had three aircraft on display. We need to think about doing That again with a strong emphasis on Young Eagles and hand-outs.