



11 January 2024

# EAA Chapter 24 Meeting Items



Patriot paint job on Vans RV-14A



# Agenda



- Call to Order – Introduce Newcomers/Visitors

## Old / Continuing business:

Tri-chapter Christmas dinner 2 Dec 23 had a great turn-out, with over 70 people attending.

13 December meeting of the Oklahoma Department of Aerospace and Aeronautics recognized EAA Chapter 24 for our 5,000 Young Eagle Flights!

Gary Manning given a citation from Senator Adam Pugh for the 59<sup>th</sup> Aero Caucus





# Agenda



## Old / Continuing business: Young Eagles:

- 16 December Pancake Breakfast –thanks to our volunteers!
- Volunteer Recognition! Pins and certificates for:
  - Rebeca Velez
  - Gabe Velez
  - Victoria Stevens
  - Isabella Mayberry
  - Keara Schaffer
  - Antonin Stoddard
  - Vega Gamble





# Agenda



## Young Eagles schedule for 2024 – 4<sup>th</sup> Sat. of Month

March 23rd\*, April 27th, May 25th, June 22nd\*, none in July, August 24th\*, September 28th, and October 26<sup>th</sup>

- Dates include pancake breakfast at 0800, YE flights start 0900

## 2024 Air Academy at EAA Oshkosh HQ

- We have reserved one slot for a boy or girl, aged 12-13 for the EAA Young Eagles Camp Session 2, June 22-26, 2024. Will select candidate within 30 days.
- The lodge has 12 bunkrooms with four bunks per room and shared bathroom facilities. The EAA Air Academy Lodge is the hub of activity during your stay in Oshkosh. You'll eat, sleep and make new friends here!





# Old Business



## EAA Ray Aviation Scholarship winners – Status updates

- Vega Gamble – flying continues beyond solo.
- Gabriel Velez- our winner for 2022, has soloed, passed ground school, moved flight school, increased his flying working hard to finish.
- Tucker Barbee – **Passed his private pilot checkride! Joined the Air Force.**
- Antonin Stoddard – **Young Eagle pilot, prepping for college in the fall.**
- Lawson Laslo – **Passed his Instrument and Commercial Pilot check-rides. Dedicated Young Eagle Pilot.**



## *ANNUAL RAY SCHOLARSHIP APPLICATION TIME!*



- Because of our success thus far with the Ray Scholarships we have been offered a unique Chapter opportunity.
- We now have scholarships outside the competitive process by kicking in **25%** of the \$11,000 Ray Scholarship cost.
- HQ EAA will kick in 75%, our share will \$5,500 for two scholarships.
- Our Treasurer will cut the check when required.
- Applicants can start applying in January 2024 to our chapter.



## *EAA FLIGHT TRAINING SCHOLARSHIPS*



- EAA has a separate category of scholarships available as well
  - Flight training scholarships
  - Post-Secondary Scholarships (college flight training programs)
    - Includes additional ratings, aviation related programs such as aeronautical engineering, air traffic control, aviation management, or A&P maintenance.
- A total of 50 scholarships are available, and are competitive in nature
- Applications open 1 Nov 23, close 1 March 24
- Apply on-line at <https://www.eaa.org/ea/learn-to-fly/scholarships>
- Minimum age is 16. There is no maximum age!



# Young Eagles Build and Fly



## STATUS REPORT:

Pat Cohenour

- First flight successful!
- Model even useable for another flight!
- Thanks to all who helped build it and flew it
- Wintertime is a good time to build!
- Isabella, Vega & Victoria worked on the new Skynetics trainer
- Time to fly (snow optional!)



# Old Business



## Piper Colt Aircraft project Current Status report

- Project is now up for sale. Will advertise it on nation media.
- A member has offered to donate a Rans S-6 ES
  - History of damage, prop strike, will require some re-build & restoration.
  - Good News – not a certified aircraft so “anyone” can work on it!
  - Will require \$20K or more to restore.
  - Will need a chapter vote to explore further.





## *ANNUAL RECOGNITION*



### **Certificates and Pins for 2023 Awarded to:**

- Larry Eversmeyer – Vice President and Flight Advisor, VMC and IMC coordinator
- Lawson Laslo – Secretary
- David Wilson – Treasurer
- Alexandra Jennings – Web Editor
- Stephen Muehlberg – Tech Counselor
- Gary Manning - Tech Counselor
- Stephen Schmidt – Membership
- Pat Cohenour – Young Eagle Coordinator
- Mark Johnson – Scholarship Coordinator
- Victoria Stevens – Scholarship Coordinator
- Jim Putnam – President and Eagle Flight leader



# EAA Homebuilders Week

## January 22-26, 2024



**6 Webinars daily** at 11:30 AM, 1 PM, 2:30 PM, 4 PM, 5:30 PM, and 7 PM

- Register on-line at [eaa.org/aircraft-building/homebuilders-week](http://eaa.org/aircraft-building/homebuilders-week)
- Requires an internet connected device and speakers

**Monday** – Building an aircraft - what you need to know, Wiring basics, Welding basics, Sheet Metal Basics, Panel Planning and Wiring, Rotax 9 engines

**Tuesday** – Composite Construction, Nuts and Bolts, Fabric coving basics, Factory-Built to homebuilt: What's the difference?, Dynon Avionics, Painting your plane

**Wednesday** - Amateur-built certification process, Building on the cheap, Buying a Used Van's RV aircraft, Advanced Flight systems, Flight testing, Engine Break-in

**Thursday** - Homebuilt Accident Statistics, Lycoming engine Installation, Sonex aircraft, Garmin Avionics, Propeller selection, Wheels and Brakes

**Friday** – Top Homebuilding issues and impact of MOSAIC, Working with wood, Zenith Aircraft, Building from plans, Latex paint, Common Builder errors

# EAA VMC Club





# EAA VMC Club

Question of the Month



**Question:** How do  $V_x$  and  $V_y$  change as an aircraft climbs to higher altitudes? What is the altitude at which  $V_x$  and  $V_y$  are the same?





## VMC Answer



**Question:** How do  $V_x$  and  $V_y$  change as an aircraft climbs to higher altitudes? What is the altitude at which  $V_x$  and  $V_y$  are the same?

**Answer:** Pilots often use the published values for  $V_x$  and  $V_y$ , but for an aircraft with a normally aspirated engine,  $V_x$  *increases* approximately 1 percent per 1,000 feet of density altitude.  $V_y$  *decreases* approximately 1 percent per 1,000 feet of density altitude. The altitude at which  $V_x$  and  $V_y$  are equal is defined as the absolute ceiling. This is the altitude at which no excess power is available, and the aircraft is unable to climb.



EAA IMC Club

Question of the Month



**Question:** You are flying an instrument approach to a runway where the crosswind component is 20 knots. This runway is preferred due to the instrument approach available and the current low ceiling conditions. The airplane you're flying has a published demonstrated crosswind capability of 17 knots. Is it legal to use this runway, or are you operating outside the limitations for the aircraft?





## IMC CLUB ANSWER



**Question:** You are flying an instrument approach to a runway where the crosswind component is 20 knots. This runway is preferred due to the instrument approach available and the current low ceiling conditions. The airplane you're flying has a published demonstrated crosswind capability of 17 knots. Is it legal to use this runway, or are you operating outside the limitations for the aircraft?

**Answer:** Demonstrated crosswind capability is not a limitation of the airplane, so this is legal, but you might not be entirely off the hook. Should an accident occur during the landing, it might be argued that you exhibited careless and reckless operation.





# Chapter Video(s)





# Flying a Wide Pattern?



*AVweb*<sub>+</sub>



*Meet the Ascender!*



# One *Wild* DESIGN

Meet the *Ascender*





# *“Last Minute, or I Forgot”*



Grumman TBM Avenger Torpedo Bomber on display at the Museum Of the Pacific War, in Fredericksburg, Texas





# 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