

# News!

## January 2025

On the Web: [www.EAA80.org](http://www.EAA80.org)  
Facebook: [www.facebook.com/ea80](http://www.facebook.com/ea80)  
Twitter: <https://twitter.com/ea80>

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## President's Corner

Bruce Mundie



Happy New Year!!! 2025 is our 58th year as a chapter and big plans are in the works: Ray Scholarship 2025-26, Oshkosh, Kitfox project, Glastar project and more! Even with the cold weather, EAA 80 continues to stay busy!

Thanks again to Ed Kirker for a fantastic Christmas dinner at Gorat's Steak House. It was a wonderful time and food as always was excellent!

Once again it is my privilege to announce our new Vice President Chris Williams; new Scholarship Lead Sarah Wollerman; and new Newsletter Publisher Shawn McInay. The remaining chapter officers have volunteered for another year of service. Please look ahead to 2026 and see if there is room in your schedule to take on a leadership position in EAA 80.

Please attend our meeting on January 13 at the Oakview Mall to hear about our plans for 2025.

A busy chapter is a happy chapter. Look for a very active 2025!

Thanks and fly safe!  
Bruce

# Member Spotlight



**Vice President**  
**Chris Williams**



All my life, I've been fascinated by things that fly. I knew I wanted to be a pilot somehow, some way and so I pursued a private pilot license which I earned in 2019. Last year I set

out in search of an alternative to high aircraft prices and maintenance costs which is where I discovered a new passion for experimental aviation. A new goal I've set for myself is to eventually build my own airplane. It is a lofty goal, but surely an attainable one which I'm certain resonates with many of our chapter's

members. Diving into builder resources, youtube videos, and books available from EAA, I began my journey to learn about amateur aircraft construction with the Van's RV training kit. Now, most Sunday afternoons, you'll find me at Oak View mall working on the chapter's GlaStar. I joined this organization to surround myself with like-minded people that share my goals, curiosity, passion, and drive to learn more about experimental aviation. I am excited to get to know each of you this year as the chapter's vice president.

## **Membership** **Rich Kolkman**

### [Membership & Renewal – EAA Chapter 80](#)

Welcoming one new member:

- **Derek Schroeder**, Lincoln
- **Jeffrey Hildenbrandt**, Omaha
- Pleased to have welcomed **21** new members to EAA80 in 2024.
- Starting the year at **139 active members**.
- **32%** of our members have paid their 2025 membership dues.
- Individual membership status emails are being sent in January.
- 2025 membership dues [\$25/adult, \$15/student] can be paid by cash, check, or Venmo (+\$1 to cover Venmo processing fee). Checks can be mailed to [EAA80, c/o Richard Kolkman, 18058 Leavenworth St., Elkhorn, NE 68022].
- For membership profile changes (contact information, EAA80 email lists, etc.) email updates to [membership@eaa80.org](mailto:membership@eaa80.org)

# EAA Chapter 80 Meeting Minutes- None

**Announcements:** Derek Schroeder is a new member and is interested in reaching our members to seek support for some engine installation and cowling work. Email him at dschroeder83@yahoo.com

## Next Meeting:

The next chapter meeting is January 13, 2025 @ 7pm (6:30pm Social) at ABLE/ACE.  
Future Presenters:

FAA FAAS Team Mark Gaffney

Bill Moore will talk about developments in Electric powered flight.



Our January presenter will be Mike Howard. He will be sharing insights on purchasing an Experimental Amateur Built aircraft, some of which would apply to certified aircraft as well.



A December Night at Gorat's

## Calendar of Events

- Jan. 16th 11am 3rd Thursday Pilot Lunch  
88 Tactical
- Jan. 18th EAA 569 Breakfast Fly In KCEK 8am
- Jan. 29-30 [Nebraska Aviation Symposium](#)
- Feb. 10th EAA 80 Chapter Meeting
- Mar. 1st ICEPORT 2025 10am-3pm Mille Lacs Lake, MN
- Mar. 10th EAA 80 Chapter Meeting
- Jun. 7th [Nebraska State Fly-In](#) KGRN (Gordon)

## →Koehler's Korner→



This month we will look at an issue I ran into on my Mooney a couple of months ago. The fuel system on my '63 M-20C has several sumps and drains in it, one of which is at the bottom of the fuel

selector, which is ahead of the pilot's seat on the floor between the pilot's legs. As part of preflight, one checks this fuel selector sump by pushing up a pinned cup from outside the fuselage below the pilot's seat. One day, as I did this, the fuel sump continued to leak fuel after the sump drain check. Clearly the O-ring in the drain was not seating correctly and needed to be replaced.

Removing the appropriate belly panels revealed the scene in the picture below:



The bottom of the fuel selector is the grey item at the top of the picture. If you look closely you can see the two wing tank feed lines on either side of the selector. Coming out the bottom of the selector is a nipple for the main fuel feed to the engine. It is connected by a piece of hose<sub>4</sub> to a short

section of aluminum tubing that has a blue B-nut in it connecting it to the electric fuel pump. Note that most of the hose is hidden behind the lateral fuselage frame between the selector and the B-nut.

To remove the bottom of the fuel selector there are four screws that are visible in the picture. The outer part of the selector is sealed by an O-ring, and the drain nipple points straight down. Trying to separate the bottom of the fuel selector from the rubber hose in such a confined area is difficult, so I loosened the B-nut and took the bottom of the selector, hose, and B-nut out as a unit. These are shown in the following picture:



After removing the hose assembly in the picture, I noticed the cracks in the hose. These were largely difficult to see, because of the fuselage frame in the area.

I immediately ordered up a one-foot piece of replacement hose. The next photo shows the cracking up-close.



The hose is a low-pressure type which has an inner tube, cotton reinforcement, and a rubber outer layer. Note that in this case the outer layer is so badly cracked that bits of the cotton reinforcement are clearly visible. This hose should have been replaced years ago. It was probably original, from 1962, making it 62 years old! When should it have been replaced? The generally recognized standard in General Aviation is for unprotected rubber hose in the engine compartment is that it is to be replaced every eight years. Newer type hose with Teflon and other better liners can last longer. Also the addition of Fire Sleeve will extend the life of a hose. Keeping in mind that the engine compartment is a much harsher environment, with heat and vibration, the unstressed, very low pressure fuel hose in this Mooney lasted much longer.

Unfortunately, these little pieces of hose are often forgotten about during inspections and general maintenance. Many planes have them in fuel tank vent lines (PA-28/32/34 series), fuel lines in general including at wing to fuselage fuel line connections, and low pressure lines in the cockpit. Do not forget to check them during periodic/annual inspections. Don't wait until the fuel starts leaking.

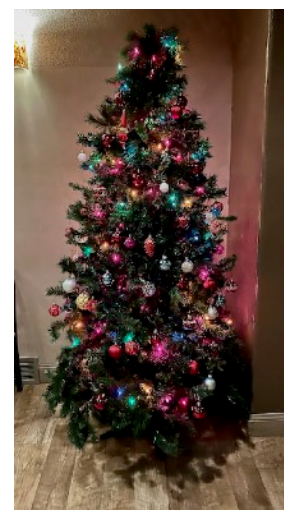
One last thought, be very careful when cutting off the old hose. I use the following technique with a pair of very sharp side-cutters.

Be extremely careful if you try to cut the old hose off with a razor knife or similar. I have taken more than one fellow mechanic to the emergency room from a slashing knife slipping off old hose on fuel and vacuum lines.



Hope this little discussion helps you more successfully maintain your plane and the parts on it.

Keep building, flying, and maintaining.  
Dick 12/2024



Christmas at Gorat's

## **A Note from Aviation stemAHA Hague Howey**

Executive Director Search:  
Executive Director, Aviation stemAHA;

Lead the emergence of a 6-year-old Non-Profit, all Volunteer organization to a full-time staffed NP. Must seize the challenge, love guiding youth to their exposure to career opportunities in STEM Aviation. Recent expansions in Aviation Education has created greater opportunities to grow this NP to be a fulltime staffed organization within 12 to 24 months. The current Co-Founder & President wants to continue expanding and developing programs plus widen the reach to youth, age 8 to 17. Recent inclusion programs have been developed to expand the reach to youth in the intercity where knowledge of opportunities is more limited but, the potential for finding critical labor to fill severe shortages in STEM Aviation has great promise.

We have a storefront, in the Oak View Mall which serves as our main public interface

location however, our programs take us to where-ever we need to meet groups of youth to carry out our mission. We do a lot of Career Fairs, Presentations, Work Shops and anything that can engage youth. We are dependent upon design programs using our affiliates to carry them out. The best description of us is, we are Facilitators and Designers of Engaging STEM Aviation programs. While we do have a store front location that can be utilized as much as possible, a lot of work can be done from virtually anywhere. As we transition from Volunteer to Full Time paid staff, work commitment would be expected to ratchet up to meet increasing position demands.

Aviation stemAHA, (Non-Profit 501C-3)  
Hague.Howey@AviationstemAHA.org  
15206 Dorcas Circle  
Omaha, Nebraska 68144-159  
402-510-3528  
(Store Front: ABLE ACE/Oak View Mall)

## **December Photos from Gorat's!**









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## EAA 80 MONTHLY TREASURER REPORT

Dec-24

### Income

Rex Ekwall Memorial Scholarship- 2025	\$11,000.00
Member Dues	\$51.71
<b>TOTAL INCOME/RECEIPTS</b>	<b>\$11,051.71</b>

### Expenses

Scholarship Expenses	\$7,275.00
Gorat's (Net after chapter subsidy)	\$406.47
EAA National Dues and Insurance	\$656.00
Oak View Rent	\$150.00
Young Eagles- Projector	\$526.45
<b>TOTAL EXPENSES/OUTFLOWS</b>	<b>\$9,013.92</b>

### Assets

Pinnacle Bank CD's	\$51,500.00
RV 12 Note	\$7,200.00
Glastar Project	\$25,000.00
Shirt Inventory (est)	\$500.00
Checking Account Balance	\$8,502.08
Venmo Balance	\$413.42
<b>TOTAL ASSETS</b>	<b>\$93,115.50</b>

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# Upcoming Webinars

## [WWI Aviation featured in the Museum](#)

EAA Museum Series  
Tuesday, January 14, 2025, 7 p.m. CST  
Chris Henry and Amelia Anderson

## [Skybound Chronicles: A Half Century of Aviation Tales for Safer Skies](#)

Qualifies for FAA WINGS credit  
Wednesday, January 22, 2025, 7 p.m. CST  
Rod Machado

## [Building an Aircraft — What You Need to Know](#)

EAA Homebuilders Week  
Monday, January 27, 2025, 11:30 a.m. CST  
Charlie Becker

## [Fabric Covering Basics](#)

EAA Homebuilders Week  
Qualifies for FAA WINGS and AMT credit  
Monday, January 27, 2025, 2:30 p.m. CST  
Nate Hammond

## [Wiring Basics](#)

EAA Homebuilders Week  
Qualifies for FAA WINGS and AMT credit  
Tuesday, January 28, 2025, 11:30 a.m. CST  
Dick Koehler

## [TIG Welding](#)

EAA Homebuilders Week  
Qualifies for FAA WINGS and AMT credit  
Tuesday, January 28, 2025, 1:00 p.m. CST  
Charlie Becker and Shaun Walker

## [Getting Your Project Finished and Flying](#)

EAA Homebuilders Week  
Tuesday, January 28, 2025, 2:30 p.m. CST  
Vic Syracuse

## [Hardware for Homebuilts](#)

EAA Homebuilders Week  
Qualifies for FAA WINGS and AMT credit  
Tuesday, January 28, 2025, 4:00 p.m. CST  
Jon Cox

## [Dynon Avionics](#)

EAA Homebuilders Week  
Tuesday, January 28, 2025, 5:30 p.m. CST  
Michael Schofield

## [Flight Testing 101](#)

EAA Homebuilders Week  
Qualifies for FAA WINGS credit  
Wednesday, January 29, 2025, 11:30 a.m. CST  
Paul Dye

## [Composite Construction](#)

EAA Homebuilders Week  
Qualifies for FAA WINGS and AMT credit  
Wednesday, January 29, 2025, 1:00 p.m. CST  
Mark Forss

## [Buying a Used Homebuilt](#)

EAA Homebuilders Week  
Qualifies for FAA WINGS and AMT credit  
Wednesday, January 29, 2025, 2:30 p.m. CST  
Vic Syracuse

## [Advanced Flight Systems](#)

EAA Homebuilders Week  
Qualifies for FAA WINGS and AMT credit  
Wednesday, January 29, 2025, 4:00 p.m. CST  
Rob Hickman

## [EAA Advocacy Update: Top Homebuilding Issues and the Impact of MOSAIC](#)

EAA Homebuilders Week  
Thursday, January 30, 2025, 11:30 a.m. CST  
Jack Pelton, Sean Elliott, and Rob Hackman

## [Amateur-Built Aircraft Certification Process](#)

EAA Homebuilders Week  
Thursday, January 30, 2025, 1:00 p.m. CST  
Joe Norris

## [Gas Welding](#)

EAA Homebuilders Week  
Qualifies for FAA WINGS and AMT credit  
Thursday, January 30, 2025, 5:30 p.m. CST  
Budd Davisson

## [Staying Alive-Analysis of Homebuilt Fatal Accidents](#)

EAA Homebuilders Week  
Qualifies for FAA WINGS credit  
Friday, January 31, 2025, 11:30 a.m. CST  
Dave Nelson

## [Liability of Selling Your Homebuilt](#)

EAA Homebuilders Week  
Friday, January 31, 2025, 1:00 p.m. CST  
Kathy Yodice

## [Zenith Aircraft Kits & Plans](#)

EAA Homebuilders Week  
Friday, January 31, 2025, 2:30 p.m. CST  
Sebastien Heintz and Roger Dubbert

# Upcoming Webinars

Continued

## [Weight and Balance](#)

EAA Homebuilders Week  
Qualifies for FAA WINGS credit  
Friday, January 31, 2025, 4:00 p.m. CST  
Joe Norris

## [Common Builder & Maintenance Errors](#)

EAA Homebuilders Week  
Qualifies for FAA WINGS and AMT credit  
Friday, January 31, 2025, 7:00 p.m. CST  
Vic Syracuse

## [Risk Assessment: Tips, Strategies, and Techniques](#)

Qualifies for FAA WINGS credit  
Wednesday, February 12, 2025, 7 p.m. CST  
Ken Solosky

## [Stick and Rudder Flying Skills](#)

Qualifies for FAA WINGS credit  
Wednesday, February 26, 2025, 7 p.m. CST  
Gordon Penner

## [Flying to and Around Alaska](#)

Qualifies for FAA WINGS credit  
Wednesday, March 19, 2025, 7 p.m. CST  
Vic Syracuse

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

*EAA Chapter 80 is classified as a Non-Profit Charitable Organization per section 501(c)3 of the Internal Revenue Code. As a result, we are eligible to receive tax-deductible contributions in accordance with Code section 170. Your contributions will go towards such things as:*

- ✓ *Aviation scholarships*
- ✓ *Scholarships to send kids to EAA's Air Academy in Oshkosh, Wisconsin*
- ✓ *Helping promote Young Eagles events and rallies for the community*
- ✓ *Many other events that promote aviation in the Eastern Nebraska and Western Iowa region.*



*EAA 80 is a 100% volunteer organization, there are no paid members to the staff. Our only funding comes from chapter dues and occasional fund raising. Please visit our website [eaa80.org](http://eaa80.org) or contact an officer to inquire about making a tax free donation.*

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# EAA CHAPTER 80

## RETURNING MEMBER RENEWAL FORM

### MEMBER KEY CONTACT INFORMATION

NAME:

E-MAIL ADDRESS:

MOBILE PHONE:

### MEMBERSHIP PROFILE UPDATES

REQUESTED  
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MEMBER  
PROFILE?:

*NEW MAILING ADDRESS, PILOT RATING, AIRCRAFT OWNERSHIP/BUILD, EAA80 EMAIL LIST, ETC?*

### ANNUAL DUES – \$25 (\$15 STUDENT)

PAYMENT FOR YEAR(S): [  2025    2026    2027    2028    2029 ]

PAYMENT DETAILS: TYPE:  AMOUNT:  DATE:

### MAIL CHECK TO:

EAA80 MEMBERSHIP  
C/O RICHARD KOLKMAN  
18058 LEAVENWORTH ST.  
ELKHORN, NE 68022

### VENMO PAYMENT:



PLEASE ADD  
**\$1.00** TO  
COVER  
PROCESSING FEE

### FOR MORE INFORMATION:

[MEMBERSHIP@EAA80.ORG](mailto:MEMBERSHIP@EAA80.ORG)  
[WWW.EAA80.ORG](http://WWW.EAA80.ORG)  
[WWW.FACEBOOK.COM/EAA80](http://WWW.FACEBOOK.COM/EAA80)  
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