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# News!

## November 2023

On the Web: [www.EAA80.org](http://www.EAA80.org)

Facebook: [www.facebook.com/eaa80](https://www.facebook.com/eaa80)

Twitter: [https://twitter.com/eaa\\_80](https://twitter.com/eaa_80)

### President's Corner

Bruce Mundie



Halloween has come and gone, Winter has arrived, and with it the Holidays! Scott Pridie and his team of volunteers finished Young Eagle rallies on the 15th of October and we are already looking forward to restarting in the Spring.

Thanks to Hague Howey for leading the Trick-or-Treat at the Oak View Mall event and letting local kids visit our Facility. Thanks to all the volunteers that hosted and assisted!

As Fall activities wind down, many of us will turn toward winter aircraft building projects and annual maintenance. Remember to utilize our tech counselors, Mike Howard and Bob Condrey, if you have any building or maintenance questions.

Remember the December meeting will be our Holiday Party at Gorat's. Be on the lookout for signup and dinner information from Ed Kirker.

EAA 80 will have several volunteer positions opening in 2024: President, Vice President, and mall facility manager positions will be available. New people, new ideas, and new leaders will help keep our chapter running smooth and healthy.

We are still looking for a project lead for the Glastar build. Let me know if you are interested.

Thanks, and fly safe!  
Bruce

## Miscellaneous Notes

### Vice President

**Bob Dyer**

The November 13 meeting presenter will be Mark Gaffney from Lincoln FSDO speaking about an accident report.

If you have any future presenter ideas, drop Bob Dyer a note.

### Membership

**Rich Kolkman**

We had one member join the Chapter last month:

New Members to report:

- Allan Lindsay, Papillion
- Dan James, Omaha
- Kevin Rose, Omaha

Returning Member:

- David Leslie, Omaha

## Calendar of Events

November 13 Chapter 80 Meeting, ABLE/ACE

November 14 VMC Club

November 16 IMC Club

December 11 Xmas Party

January 8 Chapter 80 Meeting

### Young Eagles

**Scott Pridie**

Last young eagles was October 14. Only a few pilots on hand but kids were happy and excited and overwhelming majority first timers.  
*[See photos starting on page 7. - Editor]*

## Social Coordinator

**Ed Kirker**

The Annual Christmas Party is coming up December 11. RSVP's will go out to members via email towards the end of the month. Hope to see you there!!

## →Koehler's Korner→



A while ago I wrote a proposed "Hints for Homebuilders" article for EAA on Curtis Fuel drain valves that are commonly found on most gascolators and Piper PA-28/32/34

fuel tanks. After quite a while, it finally got published and quickly got a couple of feedback responses from two guys that described themselves as A&Ps.

The first one went way over the top on my suggestion that we use Teflon tape to seal the pipe threads. He claimed that Teflon tape was banned from aircraft fuel systems and that many aircraft had crashed due to fuel system contamination from Teflon tape. The second letter to the editor claimed that the Curtis valves could be repaired in the field with an off-the-shelf O-ring and that he had done it many times. Let's take a look at these two assertions in this KK.

I am not sure where the old wives tale about never using Teflon tape on aircraft came from, but I have heard it several times from fellow A&Ps. We

banned Teflon tape in the Navy on 3,000 psi hydraulic systems, but there is no FAA ban on it that I know of. AC 43.13.1B approves its use on oxygen systems, but does not address it otherwise. As with any sealant, if misused, it can cause problems. Let me reiterate that,



ANY thread sealant, if used to excess, can cause blockages in the fuel system. However, the multiple screens (such as fuel selector, boost pump, gascolator, fuel metering system inlet, etc., if installed) between the fuel drain and the carburetor would surely preclude it blocking the passages in an aircraft carburetor or fuel injection system.

On experimental aircraft, one can use any sealant one wants to use, with the precaution that ALL must be properly used. However, Curtis specifically lists Teflon tape as the first recommended sealant for their pipe threaded fuel drains. I wrote the article looking at the "Curtis Superior Valve Wall Chart." You can view a copy at the Aircraft Spruce on-line catalog under "Curtis Pipe Thread Drain Valves," under tech data "Curtis Drain Valve Wall Chart." Curtis says "We recommend the following thread sealant: 1. Pipe Threads: 1/4" Teflon tape, Permatex 80632 threat sealant, Loctite 592 PST pipe sealant." This listing can be found in several places on the Curtis website [www.curtissuperiorvalves.com](http://www.curtissuperiorvalves.com). Put another way, the FAA says that on certificated aircraft, a Mechanic must reference acceptable data for the work performed. In this case, the manufacturer's data is the best available and lists first, Teflon tape. This came up at an IA renewal seminar a few years ago and the FAA folks there agreed that there was no ban on Teflon tape.

As to the second question on repairing the Curtis drain valve in the field, on experimental aircraft, anyone can do maintenance, and unapproved parts can be installed, but this is not true for certificated aircraft.

Again, I wrote the article looking at the "Curtis Superior Valve Wall Chart" in my shop. Curtis says "Curtis Superior Valves do not use O-rings, we use a special flat molded seal, therefore, cannot be overhauled." I personally think their flat seal has a shallow P shape, but it is not available, so cannot be used to repair the valve, notwithstanding that field overhaul is not approved. This listing can also be found in several places on the Curtis website noted above. Again, the FAA says that on certificated aircraft, a Mechanic must reference acceptable data for the work performed. In this case, the manufacturer's data is the best available and says that field

overhaul of most Curtis valves is not approved.

This also came up at an IA renewal seminar a few years ago and those FAA folks agreed that using O-rings to repair/overhaul most Curtis fuel valves is not approved. Another problem with using O-rings is the material that they are made of. Many commonly available O-rings for oil and hydraulic systems are only moderately fuel resistant. The most fuel resistant rubber is Viton, which is what the Curtis seal is made of. Use of another type material, particularly if you use auto gas and run a chance of getting alcohol in the fuel is probably not a safe procedure.

Hope this puts some old myths to bed. It is always best to look up manufacturer's data.

Dick  
9/2023

## EAA Chapter 80 Meeting Minutes

### October 2023

The chapter meeting was held on October 9, 2023 at Able Ace, and called to order at 7 PM by Bruce Mundie.

**Guests and New Members:** Guests attended: Allen Lindsey, Jonathan  
New Members: Dan James

**Meeting Minutes:** Meeting Minutes from August were approved with no changes or modifications.

**Treasurer's Report:** The chapter has \$6,539 in the checking account and \$1,575 in Venmo.

**Membership:** Rich Kolkman reported that the membership is at 134 with 92% Paid. Reminder Rich needs pictures of some members for the membership roster.

Rich asked if it was OK to add the Member Roster to the EAA80 Website if it was password protected. The chapter did not have a quorum. This issue will be brought up again in November.

**Scholarship:** Andrew Paneda, 2023 Ray Scholarship is still trying to get his medical cleared with FAA. He has until October 30, 2023 or the grant will have to be sent back.

**Tech Counselors:** Vans laser cut pieces are an ongoing issue. The holes crack when they are dimpled.

MOSAIC has been released which will make changes for the Sport Pilots. It mainly centers around the clean stall speed of the aircraft approved for Sport Pilot.

**Young Eagles (YE):**

Upcoming events October 15, November 18. Text Scott Pridie at 832-489-2159 to volunteer as pilot or ground crew. See Rich Kolkman to get on the Young Eagles Email group.

**Tools:** Contact Tom Wieduwilt, your tools manager.

**Friends of EAA80:** October 21, 2023 at 10:00 am Hague Howey and Al Nelson will be presenting to anyone interested on starting a flying club around the Club RV. Share with your friends.

**Builder Reports:** NONE

**Builder Meeting:** No report.

**Chapter Build:**

- Zenith: There was a glitch with the transponder/EFIS. And an issue with the ignition. Otherwise the plane is complete and will be inspected October 24.
- Club RV 12: A meeting will be held October 21 at 10am to start a flying club to purchase the plane.
- Glastar needs a volunteer to lead on this project.
- Regarding the Metrotech RV no updates.

**Fly-outs:** There were no Flyouts in August due to weather. Planning a Flyout October 21 to the Beaumont Hotel.

**Social Coordinator:** Ed Kirker reported

Christmas Party 2023 December 2023 (Gorats)

**IMC/VMC:** IMC October 12, November 16

VMC October 10, November 14

**VP:** Bob Dyer, Tonight is Maj Gen (Ret) Scott Vander Hamm. Next month will be Mark Gaffney from Lincoln FSDO speaking about an accident report.

**PRESIDENT:** Bruce Mundie

Elections are coming soon. Bruce Mundie and Bob Dyer are looking to relinquish their roles as president and vice president. Please throw your hat in the ring if you are interested in leading EAA Chapter 80 in the coming year.

The Fall Home Show is at Oak View Mall October 14 & 15.

**Calendar:**

October 15 Young Eagle event  
October 21 Flying Club meeting  
November 13 Chapter 80 Meeting  
November 14 VMC Club  
November 16 IMC Club  
December 11 Xmas Party  
January 8 Chapter 80 Meeting

**New Business:** NONE

**Old Business:**

Chapter Coffee Mugs and Koozies chosen, but not yet ordered.

**Announcements:**

Drawing Winners:  
Scott Vander Hamm - Tshirt  
Bill Haas - Chocks  
?? Poster

**Presentation:**

Maj Gen (Ret) Scott Vander Hamm

**Next Meeting:** The next chapter meeting is November 13 at Able Ace/Oak View Mall

# STEMaha

## Hague Howey

Aviation STEM Day, was held on September 2<sup>nd</sup> with about 350 youths attending with parents. Affiliates reported good traffic and good quality attendees. We had 27 Affiliates exhibiting. There were lots of air operations with helicopters being by far, the most watched and likes—LOTS OF NOISE. The Nebraska Air Guard canceled the day before so we lacked 6 interactive STEM hands on Modules—all said to be coming for the February 17, 2024 Mid-Year Event. Youth plane build was on display with tail feathers installed.

Our youth build team started the month of September with two students and subsequent to Stem Day we have picked up two additional builders. We now have:

(2) North High

(1) South High

(1) Graduate of Burke now in Pilot training at UNO

Doug Spurlock, A & P, continues to donate his time to lead the Build Team.



Burke High has completed their transition and changed designation as a magnet school to being called: Burke High School Air & Space Academy their new Director, Jenny Sexton. Attached you will find a log of their program offerings.

[https://drive.google.com/file/d/1z5IV10KqI2BVMXvq\\_oORdnUYHui6ldD6/view?usp=sharing](https://drive.google.com/file/d/1z5IV10KqI2BVMXvq_oORdnUYHui6ldD6/view?usp=sharing)



The fuselage was transported to Burke as well as Air Methods making their appearance to kick off the new programs.



Aviation stemAHA has launched and funds a new test program with Burke and 8 to 12 students, selected by teachers who will meet once-a-month for lunch, (remote from the school) in a group mentoring program. These sessions are designed with a program speaker to aid participants in navigating forward their career goals. Participating Professionals share their experiences and providing guidance.

### Program Plan:

- October:  
UNO, MCC, IWCC: Intro to their Aviation Offerings and Registration/Entry requirements: 10/27; 11:30 – 1:30 Big Feds
- November:  
Scholarships, Financial Aid, -- Education Quest as the Presenter: 11/17; 11:30 – 1:30 Big Feds
- December:  
CAP/ Airforce – Programs: 12/8; 11:30 – 1:30 Big Feds
- January:  
Army/ Navy: TBD
- February:  
Engineering Opportunities In Aviation: TBD
- March:  
Careers in Air Traffic /Flight Planning: TBD
- April:  
Careers in Meteorology: TBD
- May:  
Summer Planning -- prepping for next steps: TBD



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## EAA 80 MONTHLY TREASURER REPORT

Oct-23

<b>EXPENSES &amp; DEPOSITS</b>	No Deposits in October	
	Oak View Rent	\$150.00
	RV 12 Build Parts and Materials	\$630.84
<b>ASSETS</b>	Zenith (Book Value of Kit)	\$5,000.00
	RV 12 Project	\$13,000.00
	Glaster Project	\$25,000.00
	Shirt Inventory (est)	\$500.00
	Checking Account Balance	\$5,759.08
	Venmo Balance	\$1,575.39
	<b>TOTAL Assets</b>	<b>\$50,834.47</b>

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- Commercial Drone Training
- MCX Redbird Flight Simulator
- FAA Testing
- Pilot Supplies/Merchandise
- Aircraft Brokerage
- Aircraft Acquisition

KMLE 12916 Millard Airport Plaza Omaha, NE 402.934.5300 [www.oracleaviation.com](http://www.oracleaviation.com)



## Photos!

### Miscellaneous



Left:  
Major General (Ret) Scott Vander Hamm  
presenting on some of his missions and  
experiences in the Air Force.

## Photos!

### Young Eagles



# Photos!

Young Eagles (cont.)





# Upcoming Webinars

## Miracle in Sioux Falls

Qualifies for FAA WINGS and AMT credit.

11/1/23, 7 p.m. CST

Mike Busch

## EAA Ray Aviation Scholarship – 2024 Update

11/2/23, 7 p.m. CST

Christopher Gauger

## Cloudy With A Chance of PIREPs

Qualifies for FAA WINGS credit

11/08/23, 7 p.m. CST

Prof. H. Paul Shuch

## The DC-3

Museum Webinars Series

11/14/23, 7 p.m. CST

Chris Henry

## Solid Edge Modeling 101

11/15/23, 7 p.m. CST

Muhammad Sajjad

## Hosting a Young Eagles Rally – Advanced Best Practices

11/16/23, 7 p.m. CST

David Leiting

## Three Strikes and You're Out: A Practical Strategy for Stopping the Accident Chain

Qualifies for FAA WINGS credit.

11/29/23, 7 p.m. CST

Kenneth Solosky

## Deadly Switches

Qualifies for FAA WINGS and AMT credit.

12/6/23, 7 p.m. CST

Mike Busch

## The Clyde Lee and Earl Iverson Story | Museum Webinars Series

12/12/23, 7 p.m. CST

Amelia Anderson and Chris Henry

## Starting a Flying Club

12/20/23, 7 p.m. CST

Timm Bogenhagen

These are the current webinars listed on [eaa.org](http://eaa.org).

Please check the site at:

[www.eaa.org/en/eeaa/news-and-publications/eeaa-webinars](http://www.eaa.org/en/eeaa/news-and-publications/eeaa-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

### NEW MEMBER APPLICATION FORM

#### CONTACT INFORMATION

NAME:	<input type="text"/>	EAA #:	<input type="text"/>
HOME ADDRESS:	<input type="text"/>	SPOUSE NAME:	<input type="text"/>
E-MAIL ADDRESS:	<input type="text"/>	HOME PHONE #:	<input type="text"/>
PROFESSION:	<input type="text"/>	CELL PHONE #:	<input type="text"/>
RETIRED? [ <input type="checkbox"/> Yes <input type="checkbox"/> No ]		STUDENT? [ <input type="checkbox"/> Yes <input type="checkbox"/> No ]	

#### MEMBERSHIP PROFILE

OWNED AIRCRAFT? [ <input type="checkbox"/> Yes <input type="checkbox"/> No ]	TYPE:	<input type="text"/>	N-NUMBER:	<input type="text"/>
AIRCRAFT BUILDER? [ <input type="checkbox"/> Yes <input type="checkbox"/> No ]	TYPE:	<input type="text"/>	% COMPLETE:	<input type="text"/>
AIRPORT BASE:	<input type="text"/>	HANGER:	<input type="text"/>	
PILOT LICENSE/RATINGS: <input type="text"/>				
JOIN E-MAIL GROUPS: [ <input type="checkbox"/> Fly-Out <input type="checkbox"/> Builders <input type="checkbox"/> Young Eagles <input type="checkbox"/> AirVenture <input type="checkbox"/> Chapter Build ]				
YOUNG EAGLE VOLUNTEER? [ <input type="checkbox"/> Yes <input type="checkbox"/> No ]		YOUTH PROTECTION TRAINING CURRENT? [ <input type="checkbox"/> Yes <input type="checkbox"/> No ]		
OK TO PUBLISH INFO. IN CHAPTER DIRECTORY? [ <input type="checkbox"/> Yes <input type="checkbox"/> No ]	DO YOU HAVE A NAME TAG? [ <input type="checkbox"/> Yes <input type="checkbox"/> No ]	YEAR JOINED EAA80? <input type="text"/>		

#### ANNUAL DUES – \$25 (\$15 STUDENT)

PAYMENT FOR YEAR(S):	[ <input type="checkbox"/> 2023 <input type="checkbox"/> 2024 <input type="checkbox"/> 2025 <input type="checkbox"/> 2026 <input type="checkbox"/> 2027 ]		
PAYMENT DETAILS:	TYPE: <input type="text"/>	AMOUNT: <input type="text"/>	DATE: <input type="text"/>

#### MAIL CHECK TO:

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

#### FOR MORE INFORMATION:

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