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# News!

## May 2024

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



Mid Spring means scholarships. Make sure you make it to our May meeting as EAA 80 will be announcing the winners of the Ray, Rex Eckwall, and UNO Flight Scholarships! Many thanks to all of the volunteers that help make the awarding process fair and equitable. As a chapter we should be proud of announcing the winners of scholarships amounting to over \$24,000.

Young Eagles are scheduled for 18 May. We are in need of a few more volunteer pilots as the demand for flights always out weighs the ability to provide flights.

Thoughts go out to our general aviation friends who were affected by the tornado at Omaha Eppley. I would like to make available any services and resources that EAA 80 could provide to help those who lost irreplaceable aircraft and projects in the storm. Please reach out if you are in need of assistance.

Finally, the Summer is just around the corner. Please make sure that when you go fly that you do it in a manner that is as safe as possible. Unnecessary risks lead to preventable mishaps. I recall a day at Eppley when I was test flying the Nieuport. I taxied to

the runway and the tower called winds out of my limits. I had a few planes in queue behind me and I felt the genuine pressure to takeoff in sequence. I rejected that pressure and taxied around the waiting aircraft back to the T-Hangar. Make the right call when it comes to you safety, the safety of your passengers and the safety to those around you.

Thanks, and fly safe!

Bruce

## Miscellaneous Notes

### LNK FFAST Meeting at ABLE/ACE

The Lincoln FAA Safety Team will be presenting at the monthly IMC meeting, May 9, 7 pm at ABLE/ACE, Oak View Mall, where they will be covering 5 Nebraska aviation accidents that involved loss of control. Click here to register:

[Activities, Courses, Seminars & Webinars - Online Seminar and Webinar Registration - FAA - FFASTeam - FAASafety.gov](#)

### Vice President

**Bob Dyer**

The May 13 meeting presenter will be Chris Beran. He will be talking about paramotor flying.

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

### Membership

**Rich Kolkman**

New Members to report:

- Alex Deane, student, Omaha, NE
- Jairo Anguiano-Adame, student
- Jim Dockins, Elkhorn, NE
- Christopher Williams, Omaha, NE
- 77% of members have paid their 2024 membership dues.
- 2024 membership dues:
  - [\$25/adult, \$15/student] are due now and 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].

## Young Eagles

**Scott Pridie**

Young Eagles flew on March 13th. We only had a couple of airplanes running but managed to get 20 kids in the air, most were first timers. Tom Ostlund had his C150 pulled out and Bruce Mundie received a blessing to fly it, after a lesson from Tom. Bit breezy but a good time for all. Lot of help with organizing on the ground. Shout out to all the volunteers who continue to make this special for the kids.

## AirVenture

### Dorms-Mike Howard

I have 1/2 of an air conditioned room at the University of Wisconsin Oshkosh dorm available for July 21 thru 26 for \$400. You're going to be jealous when it's 95 degrees in your tent.

The Room comes with towels and bed linens. There is a bus from AirVenture to the dorm for \$5 round trip. (2023 price)

Call or see Mike Howard 402-677-8451

## Chapter Swag!

Tan tee shirt order going in soon! Please place your order soon. Anticipating \$25.00

Chapter Coffee cup order going in soon too! Let us know how many you would like. Anticipating \$7.00



## Calendar of Events

May 13 Chapter meeting  
May 18 Young Eagles  
June 10 Chapter meeting  
June 15 Young Eagles  
July 8 Chapter meeting  
July 13 Young Eagles  
August 12 Chapter meeting  
August 17 Young Eagles  
September 9 Chapter meeting  
September TBD Young Eagles  
October 14 Chapter meeting  
October 19 Young Eagles  
November 11 Chapter meeting

### For Sale

Following is a list of misc RV parts that were donated to the chapter that can be used in a project. Most have RV-6 part numbers but are also used in several other models. The deal is the same as with the aluminum supply - price is half of the current list price with proceeds going to the chapter.

Contact me if there's something here you need.

Bob Condrey

qty	part	desc	RV Models
24	alum angle	.625 x .625 x 18.5"L (.025)	Misc
2	E-602PP	elevator spar	6,7*
2	E-603PP	end rib	6,7*
2	E-604PP	counterbalance rib	6,7*
1	E-605PP	elevator root rib	6,7*
1	E-606PP	trim spar	6,7,8
1	E-607PP	trim tab spar	6,7,8
1	E-609PP	elevator root rib	6,7*
2	E-610PP	spar reinforcement plate	6,7,8
2	E-611PP	spar reinforcement plate	6,7,8
2	E-612	elevator fiberglass tip	6,7,8
2	E-613PP	counterbalance skin	6,7*
4	E-614	lead counterweight	6,9,10,14
1	E-615PP	trim access reinforcement plate	6,7,8,9,10
1	E-616PP	trim access cover plate	6,7,8,9,10
1	E-617PP	trim attach bracket	6,7*
2	E-619PP-1-020	trim tab skin (.020)	6,7,8
2	HS-615	horizontal stab fiberglass tip	6,7
1	WD-615-L	elevator horn - left	6,7,8,9,10,14
1	WD-615-R	elevator horn - right	6,7,8,9,10,14

7\* = early RV-7s

### For Sale: RV-4 Kit

The chapter still has an RV-4 tail kit for sale. See last month's newsletter for more details or contact chapter member Ron Hansen at 402.960.3740 for more information or to arrange in person viewing in Plattsmouth, NE.

## EAA Chapter 80 Meeting Minutes

### April 2024

The chapter meeting was held on April 8, 2024 at Iowa Western A&P School and called to order at 7 PM by Bruce Mundie.

**Guests & New Members** New Members attending: Tyler, Larry, Hunter, Alex ; Hosts Nicole, Brian & ?

**Meeting Minutes:** Minutes from March were approved unanimously.

**Treasurer's Report:** As Noted in the March Newsletter.

**Membership:** Rich Kolkman reported that the membership is at 143 with 75% Paid. Welcome New Members Nicole Cullen, Sam Edmonds & Joshua Hrynkow

**Scholarship:** Andrew Paneda, 2023. No report from Andrew.

Applications for the Rex Eckwall Scholarship and Ray Scholarship are due by April 16, 2024. If anyone is interested in being a part of the nominating committee contact Bruce Mundie. Applicants can apply for one or the other or both. It recommended candidates apply for both. The nominating committee is applying the Ray Scholar standards to both scholarships.

**Tech Counselors:** No report.

### Young Eagles (YE):

Next Young Eagles event will be March 16 starting at 8:30am.

Upcoming events April 13, May 18, June 15, July 20, August 17. 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 (TW), your tools manager. If you have any chapter tools, let TW know what you have. He is taking account of inventory.

**Friends of EAA80:** No Report.

**Builder Reports:** Glenn Roberts & Ron Hansen are starting a BearHawk Companion. They are looking for a couple more partners and folks to help build.

TW is working on a Rans S21

Mike Stahl will be having an open house at Plattsmouth Airport to show off his build.

**Builder Meeting:** None

**Chapter Build:**

- Club RV 12: The chapter unanimously voted to sell the kits as is. Chapter Leadership is working towards a price.
- Glasstar needs a volunteer to lead on this project. Someone is needed to manage next steps.
- A Kitfox Classic IV: Glenn Roberts has volunteered to be project lead on this plane. Contact Glenn if you want to get involved.

**Fly-outs:** No Report

**Social Coordinator:** Ed Kirker says Harvest Festival is asking if EAA80 wants to participate in conjunction with the festival. Details TBD.

**IMC/VMC:**

IMC April

VMC April

**VP:** Bob Dyer, Thanks Iowa Western for hosting our meeting.

**PRESIDENT:** Bruce Mundie

Chapter Leadership positions are opening up for 2025. See Bruce for more information.

Managers are needed for the club's RV12 & Glasstar

**Calendar:**

VMC Club March 12, IMC March 14, Young Eagles March 16, Chapter Meeting April 8

**New Business:** NONE

**Old Business:**

- The chapter unanimously voted to sell the kits as is. Chapter Leadership is working towards a price.
- Contact Bruce Mundie if you want a coffee mug and/or T-shirt.

**Announcements:** None

**Presentation:** Those in attendance were able to tour the facilities and see the airplanes students get to learn and develop repair skills on.

**Next Meeting:** The next chapter meeting is May 13 @ 7pm at Oak View Mall

→ **Koehler's Korner** →



I have finally gotten a TruTrak (Aero Cruze 100) autopilot for my Mooney after a four-year wait! Actually, I got two and first installed one on a friend's Mooney, and then

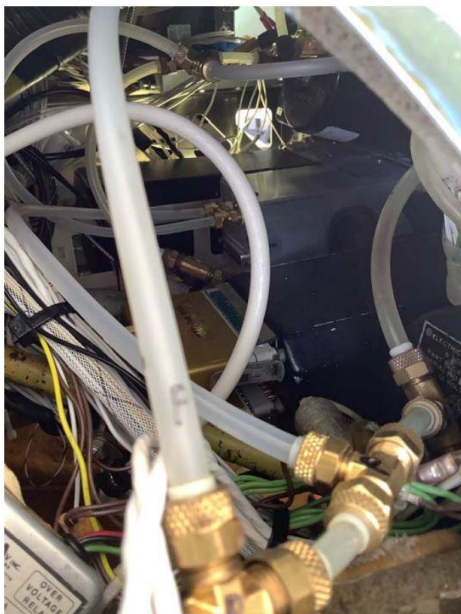
having practiced on his, am doing mine. I'll go into more detail perhaps next month, but part of installing all the newer, modern, avionics displays and systems involve providing pitot and static air pressure inputs, which we will chat about this month.

On my Mooney, in its early days it had a pitot input to the airspeed indicator and a static

input also to the airspeed, plus the altimeter and rate of climb indicators.

Then I added a mode C encoder and it needed a static input. Next, I added an altitude hold feature to my Brittan autopilot system and had to splice in a pitot input. Next, when I added ADS-B it required an external activation switch so that it would change power levels from low to high at about 40 knots, so another tap-in to the pitot and static systems was required. Then things got busy with the replacement of the vacuum attitude indicator with an all-electronic display (weighing 1/5 the weight) from uAvionics which also required both static and pitot inputs. Finally, the new autopilot control and display also requires both a pitot and static input. A look behind the left side of my panel shows the myriad of tubing to support these, with the autopilot box in the middle having attachment nipples and tubing connected.

If you install any modern displays, such as the Garmin G3X or G5, expect to have to make pitot and static connections.



There are several fitting systems one can use to connect the tubing in your aircraft. Most aircraft use a 1/4" OD plastic tubing, usually either Nylaflo or Poly-Flow. I prefer the Poly-Flow in that it is generally cheaper and rated to a higher pressure (up to 1200 psi). Think in terms of about 50¢/ft.

Fittings for this tubing come in plastic and brass. I prefer the brass ones that are referred to in the Aircraft Spruce catalog as

Brass Poly-Flo Fittings. In other places on the internet, I have found them listed as Parker Poly-Flow Fittings. There will be a three-digit number to designate what the fitting is, such as 268P-04X02 for a male connector having the 1/4" tubing on one end and 1/8" pipe threads to screw into the back of the instrument/display. Another example of a commonly used fitting is a union tee having three tube connections for splicing into an existing system, such as 263P-04 for a Union Tee in 1/4" tube.

Note that this type fitting has an inner brass sleeve to hold the tubing open while the plastic compression sleeve squeezes the tubing from the outside as the nut is tightened. By-the-way, the proper connection torque is to tighten the nut and sleeve to finger tight and then tighten 1/4 turn with a proper wrench. For the 1/4" tubing we use, the compression nuts need a 7/16" wrench and the body of the Tee can usually just be held with your fingers (unless you are over torquing the nut) or it can be held with a 5/16" open end wrench. The following picture shows the tubing, some fittings and the wrenches needed. There is a short piece of tubing on the Tee to show how



it fits over the inner brass support tube.

The usual problem with connecting this tubing is that ultimately you'll have to do some of the fittings behind the panel. As seen in the first photo, getting access is often the greatest challenge. Plan your hook-ups accordingly. Do the hard attachments prior to mounting the components, and, hopefully, all that are left will be relatively easy access.

Hope this little discussion helps you build, maintain, and upgrade your bird.

Keep building, flying, and maintaining.

Dick  
04/2024

# Photos!

## Young Eagles

Various photos from the April 13 Young Eagles rally



## Photos! (cont.)



Above: Builder's meeting: Bill Moore, Bob Condrey, Kevin Faris, and builder Michael Stahl. Michael is showing off his RV-8 build.

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## EAA 80 MONTHLY TREASURER REPORT

Apr-24

### Income

Member Dues Venmo	\$25.41
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<b>TOTAL INCOME/RECEIPTS</b>	<b>\$25.41</b>
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### Expenses

Oak View Rent	\$150.00
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Food & Drink (Pizza)	\$281.65
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EAA Signage "Property Of"	\$61.06
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KitFox Supplies	\$147.52
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<b>TOTAL EXPENSES/OUTFLOWS</b>	<b>\$640.23</b>
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### Assets

Pinnacle Bank CD's	\$50,000.00
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RV 12 Project	\$13,000.00
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Glastar Project	\$25,000.00
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Shirt Inventory (est)	\$500.00
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Checking Account Balance	\$18,076.97
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Venmo Balance	\$225.58
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<b>TOTAL Assets</b>	<b>\$106,802.55</b>
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# Upcoming Webinars

## [Slip Slidin' Away – All About Uncoordinated Flight](#)

Qualifies for FAA WINGS Credit  
Wednesday, May 8, 7 p.m. CDT

## [Solid Edge Synchronous and Ordered Modeling](#)

Wednesday, May 22, 7 p.m. CDT  
Doug Stainbrook

## [Building Your Dream Airport](#)

Wednesday, May 29, 7 p.m. CDT  
Gary Stevens

## [Minimally Invasive](#)

Qualifies for FAA WINGS and AMT  
Wednesday, June 5, 7 p.m. CDT  
Mike Busch

## [Rose Parrakeet](#)

Museum Webinar Series  
Tuesday, June 11, 2024, 7 p.m. CDT  
Chris Henry & Amelia Anderson

## [Zeppelin: The First Airliners](#)

Wednesday, June 12, 2024, 7 p.m. CDT  
John Mellberg

## [Tips for Flying Into EAA AirVenture 2024](#)

Qualifies for FAA WINGS Credit  
Wednesday, June 19, 7 p.m. CDT  
Fred Stadler

## [Ultralight/Homebuilt Rotorcraft Arrival Procedures - AirVenture 2024](#)

Qualifies for FAA WINGS Credit  
Wednesday, June 26, 2024, 7 p.m. CDT  
Mark Spang

## [Tale of Two Prebuys](#)

Qualifies for FAA WINGS and AMT Credit  
Tuesday, July 9, 2024, 7 p.m. CDT with Mike Busch

## [CFIT - Avoiding Controlled Flight Into Terrain](#)

Qualifies for FAA WINGS Credit  
Wednesday, July 10, 2024, 7 p.m. CDT  
Prof. H. Paul Shuch

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

## 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"/> 2024 <input type="checkbox"/> 2025 <input type="checkbox"/> 2026 <input type="checkbox"/> 2027 <input type="checkbox"/> 2028 ]		
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

### VENMO PAYMENT:



PLEASE ADD  
\$1.00 TO  
COVER  
PROCESSING FEE

### FOR MORE INFORMATION:

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