

News!

July 2024

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Facebook: www.facebook.com/ea80

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President's Corner



Bruce Mundie

On my recent vacation to Virginia, I got poison ivy, Covid, and threw out my back. That's what I get for taking some time off! I hope your summer has started better than mine.

Air Venture is coming fast, I hope you have made your plans. Our chapter campsite is be managed by Dave Seeger. Please contact Dave ASAP if you need a spot. I'm planning on flying out the Nieuport 28 for its first appearance at Oshkosh. The Replica Fighter Association has adopted me and will be giving me a parking space at their display area.

The chapter will have a booth/ table area at the Offutt Airshow 24-25 August. I would like to have three homebuilt aircraft on display. I'm taking the Nieuport; the RV-12 flying club is a definite maybe; and I would like one more homebuilt if possible. Please reach out to me ASAP if you are interested. There is a bit of paperwork required to land at Offutt AFB. We will also need volunteers to man the booth. Friday set-up, Saturday AM, Saturday PM and Sunday AM and Sunday PM. Please volunteer to help spread the work about EAA and recruit new members; and enjoy the airshow in the shade of our canopies. Reach out to me to sign up for a shift.

Young Eagles is scheduled for 13 July. Please consider volunteering for to fly or as ground crew. See Scott Pridie for details. Use this link to register for EAA 80's Young Eagle Program: Youngeaglesday.org. Registration opens 6 July at 6:00pm.

The 2024 edition of EAA 80 t-shirts will be in soon. \$25 to show up to Oshkosh in style in you new EAA t-shirt.

Thanks, and fly safe!
Bruce

Miscellaneous Notes

2024 Rex Ekwall Memorial Scholarship Winner



EAA 80 is proud to announce a new scholarship for 2024. The Rex Ekwall Memorial Scholarship is in honor of Omaha's Rex Ekwall. Rex was a lifelong Nebraska resident who

passed away in the Fall of 2022. He owned Rite Way Oil & Gas Company, and was a lifelong aviation enthusiast and philanthropist. The Rex Ekwall Memorial Scholarship is a highly competitive scholarship that allows the recipient one year and \$11,000 to complete their Private Pilot's License. This year's winner is Joshua Hryn timer from Omaha, NE.

Josh is a rising Junior at Millard North High School and is working toward gaining an appointment to the United States Air Force Academy. As a Civil Air Patrol cadet, and a student pilot with 15 flight hours, Josh is already familiar with the joy of flying. His goal is to become an officer in the United States Air Force and make military aviation a career.

Vice President Bob Dyer

For the July 8 meeting at Oracle, we're going to grill some dogs and burgers starting at 6:30 pm. After we've had something to eat and drink and a bit of socializing, we'll have our regular business meeting.

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

Chapter Outreach



As noted in President Bruce's notes above, please volunteer to support the EAA at the Offutt airshow August 24-25.

Membership Rich Kolkman

- 87% 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 [EAA 80, c/o Richard Kolkman, 18058 Leavenworth St., Elkhorn, NE 68022].

Calendar of Events

July 8 Chapter meeting
July 13 Young Eagles
July 22-26 AirVenture
August 12 Chapter meeting
August 17 Young Eagles
August 24-25 Offutt Air Show
August 31 Millard STEM
September 9 Chapter meeting
September TBD Young Eagles
October 14 Chapter meeting
October 19 Young Eagles
November 11 Chapter meeting

EAA Chapter 80 Meeting Minutes

June 2024

The chapter meeting was held on June 10, 2024 at Oracle and called to order at 7 PM by VP Bob Dyer

Guests & New Members attending: Ryan Koeser, John McCardle

Meeting Minutes: Minutes from May were approved unanimously.

Treasurer's Report: As noted in the June Newsletter.

Membership: Rich Kolkman reported that the membership is at 147 with 84% Paid. Welcome New Members John Ferguson

Scholarship: 2023 Scholarship update Andrew Paneda - No Update

2024 Scholarship winners:

- The \$2,000 UNO Scholarship winner is Tatum Nawrkal, Tatum was present for an intro and talked about his goals.
- The Rex Scholarship winner is Joshua Hrynkow Jr, a student at Millard North. Josh is moving his training to Oracle.
- The Ray Scholarship winner is Jairo Anguiano-Adame, a student at UNO. Jairo stated his flight training will begin soon.

Tech Counselors: No update

Young Eagles (YE):

Next Young Eagle event will be June 15 starting at 8:30am.

Upcoming events, July 20, August 17, September 7 or 8 & October 19. 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. As of June all the tools that have been missing are still missing. The engine hoist is fixed.

Friends of EAA 80: No Report.

Builder Reports: Bill Haas found a garage and storage to store his plane while he determines next steps.

Builder Meeting: None

Chapter Build:

- Club RV 12: To be sold. Bruce is working towards getting it listed. Leadership will determine a price.
- Glastar needs a volunteer to lead on this project. Someone is needed to manage next steps.
- A Kitfox Classic IV: Glenn Roberts has inventoried everything and is organizing next steps. Reach out to Glenn to get involved in this project. No updates for June. Glenn was not present.

Fly-outs: August 3 plan to fly to KCBF for the CAF pancake feed.

Social Coordinator: Updates for Harvest Festival TBD. Contact TW to be a part of Social Coordination. Help needed with food & drink for the meetings.

IMC/VMC: Off for the summer

VP: Bob Dyer, Looking for speaker ideas. Reach out to Bob

PRESIDENT: Bruce Mundie
Not present.

Calendar:

VMC Club off for summer, IMC Club Off for summer, Young Eagles June 15, Chapter Meeting July 8, Young Eagles July 20, AirVenture July 22-26, Chapter Meeting August 12, Young Eagles August 17, Offutt Air Show August 24-25, Millard STEM August 31.

New Business: NONE

Old Business: Determine the price of the RV-12.

Announcements: Hague Howey said they are looking for an Ultralight to display for Millard Stem day.

Presentation: Oshkosh prep presented by Bob Condrey.

Next Meeting: The next chapter meeting is July 8 @ 7pm at Oracle (*Grilling will start at 6:30 pm. - Editor*)

→Koehler's Korner→



The last few months I've been drawing on my recent experience putting in autopilot systems. I'll do the same this month. Our subject will be a tool to help with the installation of

nutplates or anchor nuts.

Nutplates or anchor nuts are very useful on many places on our aircraft. They allow you to install a nut that is permanently attached to the back of the back sheet in a joint. They can be structural or not, depending on the application. The beauty is that you just insert the threaded fastener from the front and torque it in place. You do not have to have access to the backside of the structure to tighten the fastener, which is usually a screw or small AN bolt.



I will use the generic term "nutplate" for all blind nut systems that involve riveting the nut in place. Some places refer to them as



anchor nuts and others use the term "plate nut".



Common nutplates come in two basic sizes, standard and miniature. The most common type is called "double-wing standard," which has two wings or tabs attached to the nut with 3/32" holes in them to rivet them in place. There are also configurations that have one big wing on one side only, called "single wing," with two rivet holes in the one wing. Another version is for use in corners, so the two wings are at 90° to each other rather than directly across. Further, the nutplates can be fixed or on a floating frame, and they can be

low temperature with a nylon insert, or high temperature rated. Obviously, they also come



in all the common sizes for smaller fasteners, including #6, #8, and #10 screw threads plus $\frac{1}{4}$ ". Note that #10 is $\frac{3}{16}$ " and is threaded in the same thread pitch as AN3 bolts. Ditto for $\frac{1}{4}$ " where the threads match AN4 bolts. So, you can see that nutplates are extremely versatile and useful. Common applications see them in cowlings, fairings, and avionics installation. I used floating #8 nutplates for mounting the servo brackets of my new autopilot.

This brings us to the issue of how to install a nutplate. If you do not have the Drill Jig that I will discuss next, then usually the best way is to use the nutplate itself as a jig. As you are assembling the part, simply use the fastener to hold the nutplate in place. You may have to hold it with a pair of pliers until the screw has pulled the nutplate tightly in place, and then using a #40 drill and one of the holes in the plate as a guide, drill a hole for one of the mounting rivets. I then put a cleco or, alternatively, a spare -3 rivet in this hole so that the nutplate cannot move, and then drill the second hole. Almost always you will need to counter sink the mounting rivets on the face opposite the nutplate. Once everything is cleaned up and deburred, drive the two -3 rivets to mount the nutplate permanently. If you have a rivet squeezer, this is an easy and



consistent process.

To make this job easier and even more consistent, I strongly suggest you buy a "Plate Nut Drill Jig." You can purchase them



from most major aircraft supply businesses such as Aircraft Spruce and Aircraft Tool Supply (ATS). Expect to pay around \$50 for a new one. Remember that there are many variations of fastener (screw) size and nutplate configuration, so to avoid having to buy a lot of jigs, try to standardize on one configuration for your homebuilt. Note that the

jig has a larger pilot pin, which is the book listed size for the screw being used. This pin is on both sides of the jig block, and on the other side is both this big pin and a 3/32" pin spaced perfectly for the hole for one of the rivets. The hole for drilling is precisely spaced on the opposite side of the jig. The block itself is made from a high carbon steel, so that drill hole wear is minimized.



To use the jig, put the single pin side in the predrilled screw hole and align the jig for the first 3/32" drill hole. Then clamp or hold the jig firmly in place and drill the first 3/32" rivet hole with a #40 drill bit. Once the first 3/32" hole is drilled, simply flip the jig over, aligning the two pins in the two existing holes. This picture shows the backside of the plate with the two pins in the holes. Then it is simply a matter of clamping the jig and drilling the second 3/32" anchor hole. All that's left to do is to clean up the holes, countersink the rivet holes on the matching face for the attached panel, and drive the rivets. I usually use a rivet squeezer, but in any case, be careful to not damage the nutplate. With a little preplanning, a good tool, sharp drills and a bit of repetition, you can put in beautiful nutplates.

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

Keep building, flying, and maintaining.
Dick 06/2024

For Sale: \$0

I have 2 used, but good main tubes and 1 new (2017 date code) and 1 used nose wheel tube from my RV-7A. I always carried 1 of each (main/nose wheel) with me as a spare. Give me a holler if you are interested. Otherwise, in another couple weeks, they will be relegated to the Sarpy County Landfill.
Chris Halfman, chris.halfman@gmail.com

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.

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.

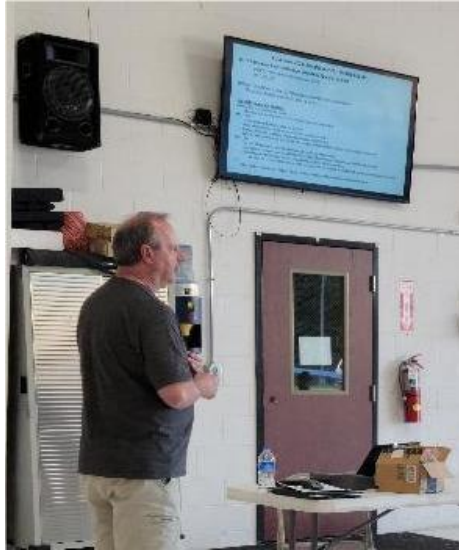
Contact me if there's something here you need.

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

Photos!



Bob Condrey at the June meeting presenting on the updates to expect at AirVenture 2024.

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



The 'distressed' logo for the new t-shirts!

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EAA 80 MONTHLY TREASURER REPORT

Jun-24

Income

Member Dues Check	\$125.00
OSH Camping Reimbursement	\$355.00
Member Dues Cash	\$75.00
Member Dues Venmo	\$49.84
TOTAL INCOME/RECEIPTS	\$604.84

Expenses

Oak View Rent	\$150.00
Ray & Rex Ekwall Scholarship Expenses	\$5,132.84
TOTAL EXPENSES/OUTFLOWS	\$5,282.84

Assets

Pinnacle Bank CD's	\$50,000.00
RV 12 Project	\$13,000.00
Glastar Project	\$25,000.00
Shirt Inventory (est)	\$500.00
Checking Account Balance	\$7,165.13
Venmo Balance	\$323.01
TOTAL Assets	\$95,988.14

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- Aircraft Brokerage
- Aircraft Acquisition

KMLE

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Upcoming Webinars

[Tale of Two Prebuys](#)

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

[Unaffordable/Unavailable](#)

Qualifies for FAA WINGS and AMT credit
Wednesday, August 7, 2024, 7 p.m. CDT
Mike Busch

[Young Eagles Online Registration - An Introduction to the New Tool](#)

Tuesday, August 13, 2024, 7 p.m. CDT
David Leiting

[Introduction to Mountain Flying Concepts](#)

Qualifies for FAA WINGS Credit
Wednesday, August 14, 2024, 7 p.m. CDT
Loren French

[Balancing Act: Loading Your Airplane Safely](#)

Qualifies for FAA WINGS Credit
Wednesday, August 28, 2024, 7 p.m. CDT
Catherine Cavagnaro

[Can't Sign It Off?](#)

Qualifies for FAA WINGS Credit

Wednesday, September 4, 2024, 7 p.m. CDT
Mike Busch

[The Airborne Law Enforcement Response](#)

Wednesday, September 11, 2024, 7 p.m. CDT
Ken Solosky

[1927 Fairchild FC-2](#)

EAA Museum Webinar Series
Tuesday, September 17, 2024, 7 p.m. CDT
Chris Henry and Amelia Anderson

[Safe Aircraft Ground Operations](#)

Qualifies for FAA WINGS Credit
Wednesday, September 18, 2024, 7 p.m. CDT
Prof. H. Paul Shuch

[The Importance of Ring Gap and Cylinder Life](#)

Qualifies for FAA WINGS Credit
Wednesday, September 25, 2024, 7 p.m. CDT
Bill Ross

[Why Annual Inspections?](#)

Qualifies for FAA WINGS and AMT credit
Wednesday, October 2, 2024, 7 p.m. CDT
Mike Busch

These are the current webinars listed on eaa.org. Please check the site at: www.eaa.org/en/eaanews-and-publications/eaawebinars 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 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"/>
		HOME PHONE #:	<input type="text"/>
E-MAIL ADDRESS:	<input type="text"/>	CELL PHONE #:	<input type="text"/>
PROFESSION:	<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-	<input type="text"/>
		NUMBER:			
AIRCRAFT BUILDER?	[<input type="checkbox"/> Yes <input type="checkbox"/> No]	TYPE:	<input type="text"/>	%	<input type="text"/>
		COMPLETE:			
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		YOUTH PROTECTION			
VOLUNTEER?	[<input type="checkbox"/> Yes <input type="checkbox"/> No]	TRAINING CURRENT?	[<input type="checkbox"/> Yes <input type="checkbox"/> No]		
OK TO PUBLISH INFO. IN		DO YOU HAVE		YEAR JOINED	
CHAPTER DIRECTORY?	[<input type="checkbox"/> Yes <input type="checkbox"/> No]	A NAME TAG?	[<input type="checkbox"/> Yes <input type="checkbox"/> No]	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"/>	<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

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