



News!

April 2024

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Facebook: www.facebook.com/ea80

Twitter: <https://twitter.com/ea80>

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President's Corner

Bruce Mundie



The word is out and applications for the Ray and Rex Scholarships have already been coming in. Please continue to tell private pilot candidates that show a high potential of completing their rating in one year. We are offering two scholarships up to \$11,000 to potential pilots. From previous experience, the competition is steep! Previous demonstrated flying interest personal dedication are excellent qualities for candidates. Please check the flyers in this newsletter and online at EAA 80's website.

Please attend our meeting on April 8 at the Iowa Western Aviation Maintenance Campus at the Council Bluffs Airport. TW is bringing pizza so we will need your RSVP to know how much pizza to buy. Fill up on pizza and tour Iowa's premier aviation maintenance school!

Young Eagles is set to return on 20 April. We had to cancel April's event for gusty winds and only two aircraft available to fly. This program is immensely popular with the families of Omaha and Council Bluffs. 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 13 April at 6:00pm.

The Offutt Air Show returns 24-25 August 2024! I would like to plan for an EAA 80 display to highlight our organization and general aviation. Please plan on attending with your homebuilt aircraft!

Thanks, and fly safe!

Bruce

Miscellaneous Notes

Vice President

Bob Dyer

The April 8 meeting will be held at the Iowa Western Community College A&P training facilities at the Council Bluffs airport. Pizza will be served! An email from Tom "TW" Wieduwilt will be sent. Please reply to it so he can get an accurate head count for pizza purchasing.

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

Membership

Rich Kolkman

New Members to report:

- Joshua Hrynkow, student, Omaha, NE
- Sam Edmonds, student, Mead, NE
- Nicole Cullen, student, Tiffin, IA

- 75% 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].

AirVenture

Dorms-Mike Howard

I have 1/2 an air conditioned dorm room at the University of Wisconsin Oshkosh that will be available this year for AirVenture. I have

the room reserved from Sunday July 21 departing Friday July 26. Room cost will be 1/2 of \$825 for all 5 nights. I would be open to fewer nights if no one wants it for all 5 nights. There is a bus that runs from the airport to the dorm every 15 minutes and it costs \$5 round trip last year.

Call or text Mike Howard 402-677-8451

For Sale: RV-4 Kit

The chapter still has an RV-4 tailkit 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.

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

April 8, IWCC A&P tour, pizza

Tentative Young Eagles dates:

April 13
May 18
June 15
July 13
August 17
Sept TBD
October 19

Member Spotlight

Kenny Thomason



I was involved in aviation from a young age, going on my first flight as a toddler, and my first GA flight not long after. I even got to go to the Airventure in Oshkosh a few

years later. During high school I decided I wanted to study engineering, with the intention of working in the aerospace field. I also started working at the Strategic Air Command and Aerospace museum as a weekend job, and I became an EAA member in 2018. After a few years of studying engineering, I realized it wasn't the right path for me, and I took a short break from school.

After about six months, I decided that if I couldn't build the airplanes, I would fly them. I started flight training at Millard in 2019 with the intention of beginning an aviation career. After about six months of training, I completed my private pilot's license in the beginning of 2020. I simultaneously started school at the UNO aviation institute, and

immediately began working on my instrument rating. By fall, I had completed my instrument rating, and by fall of 2021 I had also completed my commercial rating. While at UNO, I joined the UNO Flying Mavericks Flight Team. There I got to compete in several events, such as aircraft recognition, power off 180 spot landings, and aircraft navigation. I was able to compete in these events against other collegiate teams at Regional competitions in Minnesota and Kansas, and a National competition in Ohio. While at UNO, I also joined the Southwest 225 cadet program, and was invited to Dallas to train with them on three occasions.

During the summer of 2022, I got my first flying job as a jump pilot for a skydiving operation, and shortly after that, I got my CFI and began teaching at Oracle Aviation. Soon after, I earned my commercial multi engine rating, and finally graduated from UNO in December of 2022. As part of the Southwest cadet program, I would instruct until I reached the restricted ATP minimums, and then I would be placed at one of their partners. For me, this happened in December, as I started training with iAero Airways. In March of 2024, I completed my training, and got my restricted ATP, with a 737 type rating. I am looking forward to flying with iAero, and flying more in general.



RAY AVIATION SCHOLARSHIP
\$11,000 Towards Private Pilots License

VISIT FOR MORE INFORMATION:

<https://www.eaa.org/eaac/eaa-chapters/eaac-chapter-resources/chapter-programs-and-activities/ray-aviation-scholarship-fund/scholar-eligibility-and-requirements>

E-MAIL FOR AN APPLICATION:

RECCEFAIP@AOL.COM

Wanted: Pilot Candidates

- Minimum of age 15 for glider training
- Age 16-19 for powered flight training
 - Born between 1 July 2005 and 1 June 2008
- Possession of a student pilot certificate
- Possession of FAA medical certificate (private pilot students)
- Begin their flight training within 60 days of receiving the award
- Complete training and FAA flight evaluation in one year or less

APPLICATIONS DUE:
16 APRIL 2024

EAA Chapter 80 Meeting Minutes

March 2024

The chapter meeting was held on March 11, 2024 at Able Ace, and called to order at 7 PM by Bruce Mundie.

Guests & New Members New Members attending: Nicole Collin, Sam Edmonds, Joshua H; No guests stood up to be recognized.

Meeting Minutes: Minutes from February were approved unanimously.

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

Membership: Rich Kolkman reported that the membership is at 140 with 69% Paid. Welcome New Members Bryan Wall, Jonathan Fant, Armand Fondren, Bill Moore, Shana Condrey, Reagan Weeks.

Rich also shared the results of the chapter poll. an over all rating of 4.63 with a lot of great comments were shared.

Scholarship: Andrew Paneda, 2023 Andrew reported that he successfully soloed on February 28, 2024. That will release the next round of funding to continue flight lessons.

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: MOSAIC was briefly discussed. Which are proposed changes to the Sport Pilot Certificate and heavier/faster planes that could be considered legal for Sport Pilots. Mike Howard and Bob Condrey shared what they knew. The presumed timeline is that the FAA will release further information or guidance by the time of OshKosh 2024.

Young Eagles (YE):

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

Upcoming events April 20, 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 Widuwilt (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 Stahal will be flight testing his RV8 at Plattsmouth soon.

Mark Miller has rebuilt a Zenith 650. He's looking for a CFI to go flying with. Cole Dostal?

Builder Meeting: NONE

Chapter Build:

- Club RV 12: Discussion was opened to ask if the chapter should sell the RV12. No decision will be made until a later date. Think of your pros and cons of a best way forward for this kit.

- Glastar 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. He will be taking inventory of everything March 16 or 17. Contact Glenn if you want to get involved.

Fly-outs: 3 airplanes flew to Vermillion, SD

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

IMC/VMC:
IMC March 12
VMC March 14

VP: Bob Dyer, Tonight is Bill Moore. Keep bringing your suggestions for speakers.

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

by Treasurer. There was discussion of how to split the funds so that as one CD matures others are still seasoning. That way if the chapter needs to use funds not all of it would be tied up. Early withdrawal would cost minimal interest or penalty, Bruce Mundie made a motion to vote on allowing the finance officer to invest chapter funds in a CD as he saw fit. The motion was seconded & carried. A vote was made with all saying aye & no dissents. Officers in attendance were President Bruce Mundie, Vice President Bob Dyer & Secretary Al Nelson.

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

Announcements: Watch out for a Facebook



Rex Eckwall SCHOLARSHIP
\$11,000 Towards Private Pilots License

VISIT FOR MORE INFORMATION:

<https://www.eaa80.org/rex-eckwall-scholarship/>

E-MAIL FOR AN APPLICATION:

RECCEFAIP@AOL.COM



Wanted: Pilot Candidates

- Minimum of age 15 for glider training
- Age 16-19 for powered flight training
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- Begin their flight training within 60 days of receiving the award
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APPLICATIONS DUE:
16 APRIL 2024

New Business: Bruce Mundie brought to the floor for discussion to donate \$1000 of EAA80 funds to the Rex Eckwall Scholarship to make it the same amount as the Ray Scholarship. A motion was made to vote. Motion was seconded & carried. All in attendance were asked to say aye. All in attendance approved unanimously with no dissents. Officers in attendance were President Bruce Mundie, Vice President Bob Dyer & Secretary Al Nelson.

Bruce Mundie brought to the floor for discussion on investing up to \$50,000 of EAA80's funds in a CD. CD to be managed

announcement on Nebraska Pilots page regarding Owen Ensor, an AirForce Pilot about to leave on mission. His wife is taking care of a 3 year old with leukemia along with a newborn. A Go Fund Me page has been started.

Contact Bill Moore. He is interested in bringing an Electric powered Pipistrel for training to the area.

Presentation: Bill Moore speaking on the re-enactment of the 1920 coast to coast mail delivery flight in 2020.

Next Meeting: The next chapter meeting is April 8 in Council Bluffs at Iowa Western Maintenance Facility. Pizza will be provided. An RSVP will be sent via email to make sure enough food is ordered.

→Koehler's Korner→



I teach the EAA SportAir Electricity Workshop all around the country during the fall, winter and spring, having just taught at Lakeland (home of Sun N Fun) in February, and Fremont, CA in March. We'll be in Norfolk, VA in April. Specifically, if you are interested in attending a Workshop, Norfolk over the weekend of April 20-21 we will be offering four courses, Sheet Metal, Fabric Covering, Electrical, and Composites for RV Builders. The facility is a beautiful Tech High School.

Anyway, when I teach the class, I give out my e-mail address (rkoehler4@verizon.net) and often get follow-up questions. I would like to share one of those with you this month:

"Hi Dick, I was a student in your Electrical Systems course in Lakeland, Feb 10-11.

I am flying a Rans S-6 with an ADVANCED AIRCRAFT ELECTRONICS, INC. (<http://www.advancedaircraft.com>) dipole antenna mounted at a diagonal within the tube and fabric fuselage. It works well even though everything I read seems to point to vertical installation being the best and a curved "C" shape being a runner up.

I am building a Rans S-7 and looking at the AAE comm and transponder antennas. The comm antennas (43" long) would be mounted in a C-shape due to the size of the fuselage, and spaced by 24+". The transponder antenna is only 5.5" long and would be mounted 6" or so from the first comm antenna.

Do you have any experience with AAE antennas in a tube and fabric aircraft? I appreciate any advice you may offer. I am not opposed to external antennas, but like the idea of a clean aircraft.

Thank you,"

My response follows: "The AAE antenna is a premade dipole antenna designed to be embedded in a composite aircraft. While I have not personally ever worked with an AAE antenna, I have heard nothing bad about them. They have been around for at least 20 years, so I assume they work.

However, putting a dipole antenna in a composite plane requires careful placement. Since VHF comm radio waves are vertically polarized, the antenna should be vertically oriented for best results. Orienting the antenna on a diagonal tilt or bending the ends in a 'C' shape should hurt performance. Also, it is usually critically important that the last 1/2 to 2/3 of each pole be away from any metal items, such as control cables, hinges, and aircraft structure. Therefore, I am surprised that the antenna in your S-6 works, but I cannot argue with success. If the spacing of the steel tube fuselage formers is greater than the 1/4 wavelength (about 24 inches) of the VHF comm then perhaps the antenna can work, as it seems to be working on your S-6.

Ideally, on most steel tube fuselages, we just externally mount a standard 1/4 wave external antenna on a piece of metal plate or platform attached to the tube fuselage. For these antennas, the metal aircraft structure is 1/2 of the dipole, and the external antenna is the other half. These antennas work well, and other than the very minor drag, present no particular issues.

Per AC43.13-2B, the drag on the VHF comm antenna on my Mooney at a Vne of 189mph is only 1.3 pounds! On your S-7 at 118mph (normal cruise), the drag calculates as 0.5 pounds! I doubt you can detect it in an on/off flight test.

Ditto this discussion for the transponder antenna, except it should be mounted vertically on the bottom of the fuselage. Do not mount it inside the steel tube fuselage. It will irradiate you! Also, it should be mounted ideally at least 1/4 wave length from the comm antenna, or at least 23.5" away. Also, the coaxial cable for the transponder antenna should be no longer than about 8 feet (due to losses), which is why we tend to mount the

transponder directly below the box, usually on the forward fuselage on the "boot" cowl area, on the bottom side.

Hope this helps. Get back with any additional questions/issues."

Hope this little story helps you better lay out the antennas on your plane. The moral is to never mount any antennas on the inside of a metal structure aircraft, such as is shown on

the plans of certain metal kit aircraft where the ELT antenna is located in the baggage compartment or in the fairing between the horizontal and vertical tail. They will not work, are in violation of the TSO, and are, hence, an unsafe installation.

Keep building, flying, and maintaining.

Dick 03/2024

Photos!

Right: Bill Moore presenting on the coast to coast Air Mail 100 event at the March 11 meeting.



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EAA 80 MONTHLY TREASURER REPORT

Mar-24

Income

Ray Scholarship Income	\$4,400.00
TOTAL INCOME/RECEIPTS	\$4,400.00

Expenses

Oak View Rent	\$150.00
Ray Scholarship Expense	\$3,000.00
TOTAL EXPENSES/OUTFLOWS	\$3,150.00

Assets

Pinnacle Bank CD's	\$50,000.00
RV 12 Project	\$13,000.00
Glstar Project	\$25,000.00
Shirt Inventory (est)	\$500.00
Checking Account Balance	\$18,917.37
Venmo Balance	\$0.00
TOTAL Assets	\$107,417.37

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- Flight Training
- VA Approved Flight Training
- 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



Upcoming Webinars

[Fueling VFT - Learning from Mistakes to Prevent a Tragedy](#)

Qualifies for FAA WINGS Credit
Wednesday, April 17, 7 p.m. CDT
Keith Clark

[Mr. Bearhawk's Wild Ride: A Surprise Encounter With Extreme Turbulence](#)
Qualifies for FAA WINGS Credit
Thursday, April 18, 7 p.m. CDT
Russ Erb and Karl Major

[Four Ways to Save Fuel, Time, and Money with Better Flight Planning](#)

Qualifies for FAA WINGS Credit
Wednesday, April 24, 7 p.m. CDT
Andy Matthews

[Borescope Initiative](#)

Qualifies for FAA WINGS and AMT Credit
Wednesday, May 1, 7 p.m. CDT
Mike Busch

[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

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

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

These are the current webinars listed on eaa.org. Please check the site at: 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 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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WWW.FACEBOOK.COM/EAA80
 TWITTER: @EAA_80