



News!

December 2024

On the Web: www.EAA80.org

Facebook: www.facebook.com/ea80

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

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president@ea80.org

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vicepres@ea80.org

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Web Editor

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President's Corner

Bruce Mundie



--No Chapter Meeting in December--

--Christmas dinner party at Gorat's on 9 December

Winter is here and it is time to say goodbye to 2024 and start making plans for 2025. First, I want to wish everyone a Merry Christmas, Happy New Year, and the Happiest of Holidays! Remember that Santa has elves that are embedded with the local airport authorities; and I've heard that they will be checking hangars to see who has been naughty and who has been nice....but we won't go there....

Once again EAA 80 had a banner year. We flew 163 Young Eagles (increase of 6% from 2024) with David Zajac being the top YE pilot with 30 flights. We awarded a \$2000 UNO Aviation Scholarship to Tatum Navrkal, and a \$11,000 Rex Ekwall Memorial Scholarship to Joshua Hrynkow, and a \$11,000 Ray Aviation Scholarship to Jario Anguiano-Adame. We gained a chapter build project: a Kitfox, sold the finished Zenith project, and started building the wings for our Glstar. We relocated our Oak View Mall facility, had a chapter booth at the Offutt Defenders of Freedom Airshow, and we have once again seen an increase in total membership. I can't

thank the volunteers that made this happen enough!

Remember the December meeting will be our Holiday Party and dinner at Gorat's. Please check for the RSVP e-mail and respond ASAP! Thanks again to Ed Kirker for making this special event happen!

I want to personally thank the new chapter leaders that stepped forward this year: Chris Williams will be our new Vice President, Sarah Wollerman will be the new scholarship lead, and Shawn McInay will be the new newsletter editor.

Finally, I need to thank the following members for their excellent support to Chapter 80: Bob Dyer who just completed his run as Vice President and Chris Halfman as the Newsletter editor; both in office since 2020. Also, thanks to Cole Dostal for his run at Scholarship. Thanks again for supporting your Western Iowa and Eastern Nebraska EAA Chapter.

Thanks and fly safe!
Bruce

Miscellaneous Notes

EAA National Members' Survey

Please take the 2024 Chapter Member Satisfaction Survey put out by EAA.

Here is the link to Survey Monkey if you have not found the email sent by national:
[member survey](#).

Vice President

Bob Dyer

There is no December presenter.

Presentations to look forward to:

- Bill Moore on developments in Electric Flight
- Mike Howard on Experimental Amateur Built Aircraft Evaluation for the Non-builder
- Mark Gaffney from the Lincoln FSDO

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

Membership

Rich Kolkman

Welcoming one new member:

- Derek Schroeder, Lincoln, NE
- The 15 members who have not paid 2024 dues have been moved to an 'inactive' status and removed from our email lists.

2025 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].

Calendar of Events

December 9, 6 pm, Dinner at Gorat's
January 13 Chapter meeting at ABLE/ACE
February 10 Chapter Meeting
March 10 Chapter Meeting
March 15 Young Eagles
April 14 Chapter Meeting
April 19 Young Eagles

Member Spotlight

Sarah Wollerman

My husband and I made the move to Omaha



for work around two and a half years ago, having previously resided in Illinois. I currently work for the American Red Cross as a Disaster Program Manager, covering Red Cross activities and volunteers in 21 counties across

Nebraska and Iowa.

I joined the EAA shortly after moving as I was looking to get connected into the local aviation community. As a member of the EAA I have enjoyed helping out with the Young Eagles events and serving on the Scholarship Committee these past two years. I look forward to serving the Chapter as the Scholarship Coordinator.

I hold a Private Pilot's License, and am currently a member of the Skyhawk Flight Club based at Millard.

EAA Chapter 80 Meeting Minutes

November 2024

The chapter meeting was held on October 14, 2024 at Oak View and called to order at 7:00 PM by President Bruce Mundie

Guests & New Members attending: Isabella, Ben Carson

Meeting Minutes: Minutes from October were approved unanimously.

Treasurer's Report: As noted in the November newsletter.

Membership: Rich Kolkman reported that the membership is at 136 with 100% paid. Welcome new members: Ben Nicola

Password to access the membership directory from the website is EAA80directoryPassword

Scholarship: 2023 Scholarship update Andrew Paneda - Getting ready to fly XC Solo

2024 The Rex Ekwall Memorial Scholarship. Joshua Hrynkow Jr., Needs to fly XC

2024 Ray Scholarship, Jairo Anguiano-Adame, completed his first solo at 31 hrs.

Tech Counselors: If you have any questions or problems with your build, call Mike Howard- 402-677-8451

Young Eagles (YE):
Next Young Eagle event will be March 2025.

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.

Upcoming events:
December 9 Holiday Dinner at Gorats,
January 13 Meeting at Oak View Mall.

Tools: Contact Tom Wieduwilt (TW), your tools manager. If you have any chapter tools, let TW know what you have.

Friends of EAA80: NONE

Builder Reports: Mike Stahl has about 11 hrs on his RV-8.

Builder Meeting: None

Chapter Build:
Glastar Contact Chris Williams if you want to be involved. 479-857-7878

A Kitfox Classic IV: Glenn Roberts. Contact Glen to get involved 402-580-1390

Fly-outs: Fly out to Beatrice for lunch with 5 people and 3 airplanes.

Social Coordinator:
Look out for the RSVP for the Holiday dinner December 9 at Gorats. Chapter is paying \$10 towards the members' meal, not their guests. Meals are paid directly to the chapter and the chapter will pay Gorats. Cash, Check or Venmo.

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

PRESIDENT: Bruce Mundie
Elections were held and confirmed for president, vice president and Ray & Rex Scholarship. Bruce Mundie will take president one more year. Chris Williams will be Vice President. Shawn McInay and Sarah Wollerman will chair the scholarships. Al Nelson will remain secretary. Steve Farner will remain treasurer. Newsletter Shawn McInay.

Two complete BD-5 kits are for sale in Lincoln. Kelly Spaulding.

Calendar:
December 9 Gorats
January 13 Chapter Meeting
February 10 Chapter Meeting
March 10 Chapter Meeting
March 15 Young Eagles
April 14 Chapter Meeting
April 19 Young Eagles

New Business: Ray Scholarships applications are coming up next year.

Old Business: None

Announcements: A motion to use \$120.00 chapter funds for the GlaStar wing jig was proposed and passed unanimously. \$120 was approved for said use.

For the GlaStar chapter build, updates and build days are announced through the chapter builds google group. Rich can add anyone who wants to get involved to the group. Typical build days are Sunday 3 pm-7 pm at Oak View.

Presentation: Travis Arnold with TRACON

Next Meeting: The next chapter meeting is December 9, 2024 @ Gorats. The January meeting January 13 @ 7pm Oak View Mall ABLE/ACE

→ Koehler's Korner →



This month we will look at an issue I ran into at an annual a few months ago. We were working on a Cessna 182 with a Continental O-470 engine. The engine had been warmed up and we were removing the top spark plugs for a compression check. I looked down into



the spark plug recess in the top of the #3 cylinder (middle on right side) and spotted a washer on its side. I glanced at the recently removed plug and noted it did not have a washer on it. The gasket that was next to the spark plug hole is pictured below.



The gasket was distorted in a very strange fashion. Spark plug gasket washers are made of soft copper and are designed to slightly deform to completely seal the plug to the cylinder. We will talk later about proper installation of the spark plug. Turning over the found gasket showed even more odd marking on it as seen in the next picture:



For comparison I got a fresh used gasket as shown in the next picture. Obviously the found gasket had not been installed correctly. In fact, using an old spark plug allowed me to finally figure out what had happened.

It turns out that the best scenario we could come with is as follows. At the last annual, a year ago, the person installing the top spark plugs after the compression check allowed the gasket to fall off and sit sideways in the recess for the top spark plug in the midst of all the cylinder cooling fins. Not noticing the washer was off, the installer routinely started the plug with fingers and then properly tightened the plug with a torque wrench. The

plug pinched the gasket and swaged it under part of the plug flange. The rest of the gasket bent and formed around the plug.



The amazing thing about this incident is that the spark plug worked correctly for about 90 flight hours since the last annual. There was absolutely no gas leakage and no damage to the spark plug hole. And, obviously, the plug functioned correctly.

Let's at this point review the proper procedures for installing spark plugs and their gaskets. Most of the manufacturers recommend replacing the spark plug gasket every time you install the plug. Spruce sells them for about \$.70 a piece, which, in the grand scheme of things, is really not very much. The 182 would cost about \$16.40 for all new washers. However, there are several folks that advocate reusing old gaskets, but annealing them with a propane torch to rejuvenate them. You can find examples of how to do this on the internet, but basically, you heat the washer to cherry red, and then let it slowly cool to room temperature. This will leave the gasket soft and pliable and able to conform to the small imperfections in cylinder heads and spark plug flanges. The argument is that once a gasket is used and

the plug torqued against it, it begins to become more brittle, which, if allowed to persist, will cause the gasket to eventually crack and fail.

After some 35 years of working on GA aircraft I have found that spark plug gaskets are readily reusable without annealing, provided you install the plug with proper anti-seize and use a proper torque wrench. If tightened with a good torque wrench, the gaskets do not embrittle and can be reused for the life of the plug. On most Lycomings, the spark plug torque is 30 to 35 foot-pounds, and on most Continentals it is 25 to 30 foot-pounds. I use a Craftsman bending beam type torque wrench, which takes some technique, but never goes out of calibration, whereas the currently popular click-type torque wrenches are notorious for being grossly out of limits. Be sure your click type is regularly sent in for calibration and is kept in a clean environment, not bouncing around in the bottom of your toolbox. I torque to a pound over the lower limit and have never had a problem removing such a plug. If you torque by the armstrong method, standby for problems. If you overtorque and mess up the spark plug hole, you run a high possibility of having to pull the cylinder!

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

Keep building, flying, and maintaining.

Dick

11/2024

Photos!



Members checking out the new bay at the Oak View Mall before the November meeting.

The 2025 chapter officers:
-Al Nelson, secretary
-Chris Williams, vice president
-Bruce Mundie, president
-Steve Farnier, treasurer



2025 chapter board members:
-Shawn Ilney, newsletter editor
-Sarah Wollerman, scholarship coordinator

Travis Arnold from Omaha TRACON fielding questions during a Q&A session with the chapter members at the November meeting.



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EAA 80 MONTHLY TREASURER REPORT

Nov-24

Income

Ray Scholar	\$4,400.00
Member Dues	\$200.82
RV Note	\$200.00
TOTAL INCOME/RECEIPTS	\$4,800.82

Expenses

Scholarship Expenses	\$1,200.00
Food and Drink	\$107.31
Oak View Rent	\$150.00
Wing Jig for Glastar	\$93.85
TOTAL EXPENSES/OUTFLOWS	\$1,551.16

Assets

Pinnacle Bank CD's	\$51,232.00
RV 12 Note	\$7,200.00
Glastar Project	\$25,000.00
Shirt Inventory (est)	\$500.00
Checking Account Balance	\$6,240.02
Venmo Balance	\$637.69
TOTAL ASSETS	\$90,809.71

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- Pilot Supplies/Merchandise
- Aircraft Brokerage
- Aircraft Acquisition

KMLE 12916 Millard Airport Plaza Omaha, NE 402.934.5300 www.oracleaviation.com



Upcoming Webinars

[The Piper Cubs](#)

EAA Museum Series

Tuesday, December 10, 2024, 7 p.m. CST

Chris Henry and Amelia Anderson

[All About Spins](#)

Qualifies for FAA WINGS credit

Wednesday, December 11, 2024, 7 p.m. CST

Catherine Cavagnaro

[New Young Eagles Online Registration](#)

[Tutorial](#)

Tuesday, December 17, 2024, 7 p.m. CST

David Leiteng

[Rotax 9-Series Engines and Sonex Aircraft](#)

Qualifies for FAA WINGS and AMT credit

Wednesday, December 18, 2024, 7 p.m. CST

Mark Schaible and Casey Cooper

[The End of Supervised Maintenance?](#)

Qualifies for FAA WINGS and AMT credit

Wednesday, January 8, 2025, 7 p.m. CST

Mike Busch

[WWI Aviation featured in the Museum](#)

EAA Museum Series

Tuesday, January 14, 2025, 7 p.m. CST

Chris Henry and Amelia Anderson

[Build-A-BFR: Designing Your Own Flight](#)

[Review](#)

Qualifies for FAA WINGS credit

Wednesday, January 15, 2025, 7 p.m. CST

Prof. H. Paul Shuch

[Become a Better Chapter Leader –](#)

[Presidents – Vice Presidents 2025](#)

Tuesday, January 21, 2025, 7 p.m. CST

John Egan

[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

[Sheet Metal Basics](#)

EAA Homebuilders Week

Qualifies for FAA WINGS and AMT credit

Monday, January 27, 2025, 1:00 p.m. CST

Mike Dooley

[Fabric Covering Basics](#)

EAA Homebuilders Week

Qualifies for FAA WINGS and AMT credit

Monday, January 27, 2025, 2:30 p.m. CST

Nate Hammond

[The Need for Speed – Kitbuilt Options](#)

EAA Homebuilders Week

Monday, January 27, 2025, 4:00 p.m. CST

Mike Dooley

[Panel Planning and Wiring](#)

EAA Homebuilders Week

Qualifies for FAA WINGS and AMT credit

Monday, January 27, 2025, 5:30 p.m. CST

Marc Ausman

[Rotax 9 Series Installation & Operation](#)

EAA Homebuilders Week

Qualifies for FAA WINGS and AMT credit

Monday, January 27, 2025, 7:00 p.m. CST

Phil Lockwood

[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

Upcoming Webinars

Continued

[Dynon Avionics](#)

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

[Designing the Perfect Paint Scheme and its Impact on Budget](#)

EAA Homebuilders Week

Tuesday, January 28, 2025, 7:00 p.m. CST
Craig Barnett

[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

[Engine Selection Basics](#)

EAA Homebuilders Week
Qualifies for FAA WINGS and AMT credit
Wednesday, January 29, 2025, 5:30 p.m. CST
Dick Koehler

[Data-Driven Diagnosis of Engine Issues](#)

EAA Homebuilders Week
Qualifies for FAA WINGS and AMT credit
Wednesday, January 29, 2025, 7:00 p.m. CST
Mike Busch

[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

[Sonex Highwing Update](#)

EAA Homebuilders Week
Thursday, January 30, 2025, 2:30 p.m. CST
Mark Schaible

[Garmin Experimental Avionics Solutions](#)

EAA Homebuilders Week
Thursday, January 30, 2025, 4:00 p.m. CST
Brad Brensing

[Gas Welding](#)

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

[Van's RV Aircraft Kits](#)

EAA Homebuilders Week
Thursday, January 30, 2025, 7:00 p.m. CST
Greg Hughes

[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

Upcoming Webinars

Continued

[Zenith Aircraft Kits & Plans](#)

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

[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

[Become a Better Chapter Leader – Secretary - Treasurer 2025](#)

Tuesday, February 4, 2025, 7 p.m. CST
John Egan

[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. 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:	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"/> 2025 <input type="checkbox"/> 2026 <input type="checkbox"/> 2027 <input type="checkbox"/> 2028 <input type="checkbox"/> 2029]			
PAYMENT DETAILS:	TYPE: <input type="text"/>	AMOUNT: <input type="text"/>	DATE: <input type="text"/>	<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
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 PROCESSING FEE

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