

News!

November 2024

On the Web: www.EAA80.org

Facebook: www.facebook.com/ea80

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

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President's Corner

Bruce Mundie



It was a busy Summer and Fall for EAA 80. For me, the biggest highlight was my trip in the Nieuport to Air Venture 2024. It was my first time back to Oshkosh since 1982, and I was impressed with all of the growth and changes.

The best part of the trip was the opportunity to meet up with chapter members who also traveled there, meet old friends from my time in EAA 186, Manassas, Virginia, and meet new friend along the way. The spectacle that is Air Venture did not disappoint either. I should start making plans for 2025....

Thanks to everyone who helped with the mall move! We had a very good turnout of help and we completed the move in just about three hours. Special thanks to Tom "TW" Wieduwilt for leading the removal of the central counter in our new space. It really made a difference for total usable space. It's volunteers like these that make this chapter successful. Many thanks again to all of our volunteers!

Elections are right around the corner, don't be surprised if I shoot you a text or give you a call to see if you are interested in a leadership position in the chapter. Positions include President, Vice President and Newsletter. Membership is also potentially

open if you are interested. Please consider lending your talents and energy to these very important offices in EAA 80. Please contact me directly if you have any questions on these positions.

Fall is usually the best flying weather on the Great Plains...get out and enjoy!

Thanks and fly safe!
Bruce

Miscellaneous Notes

Vice President Bob Dyer

The November 11 presenter will be Travis Arnold from Omaha TRACON.

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:

- Ben Nicola, student, Bellevue
- The 15 members who have not paid 2024 dues have been moved to an 'inactive' status.

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

November 11 Chapter meeting ABLE/ACE
December 9, 6 pm, Dinner at Gorat's
January 13 Chapter meeting at ABLE/ACE

Fun Stuff!!!

If you haven't checked out your November issue of Sport Aviation, you should. President Bruce made the cover and there's a great write-up inside. Congrats, Bruce!



(Magazine cover used without permission, but I think we'll be ok. © -Ed.)

EAA Chapter 80 Meeting Minutes

October 2024

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

Guests & New Members attending: Adam Horstman, Jeff Salisbury, Dave Lautz

Meeting Minutes: Minutes from August/September were approved unanimously.

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

Membership: Rich Kolkman reported that the membership is at 152 with 17 left unpaid. Beginning November 1, these 17 will be inactive.

Welcome New Members: Eric Hineman, Jeff Warren, Ryan Keck

Member Directory has been updated and released effective July 2024. Password to access the directory from the website is EAA80directoryPassword

Scholarship: 2023 Ray Aviation Scholarship update Andrew Paneda - Check ride is impending.

2024 Rex Ekwall Memorial Scholarship. Joshua Hrynkow Jr., First solo was previous week. Cross country will be up next. Check ride scheduled for December.

2024 Ray Aviation Scholarship, Jairo Anguiano-Adame, is on the verge of a solo.

Tech Counselors: Mike Howard said 30% of accidents happen on take off. Some are related to accelerated stalls.

TW spoke about deburring and using a deburring tool. Don't ask to borrow his.

Young Eagles (YE):

Next Young Eagles event will be October 19 starting at 8:30am. 20 kids are signed up.

Upcoming events, October 19 Young Eagles, November 11 Meeting at Oak View Mall, December 9 Holiday Dinner at Gorat's, January 13 Meeting at Oak View Mall. 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.

Friends of EAA80: None

Builder Reports: Bill Haas worked on wing repairs & did some engine start ups. Congratulations to Mike Stahl with the first flight of his RV.

Builder Meeting: None

Chapter Build:

●Glstar Contact Chris Williams if you want to be involved. Moved to new mall spot, no other updates.

●A Kitfox Classic IV: Glenn Roberts reported no further progress. Moved to new mall spot, no other updates.

Fly-outs: There were 2 airplanes that went to Austin, MN to visit the spam museum.

Social Coordinator:

Contact TW to be a part of Social Coordination. Help needed with food & drink for the meetings. Working on a rotation schedule.

A motion was made and seconded to have the chapter contribute \$10 towards members meal at the holiday party on December 9 at 6pm. The motion was put to a vote with 100% in attendance approving the motion. \$10 will be contributed to each members meal in attendance, but not for guests of the member.

IMC/VMC:

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

PRESIDENT: Bruce Mundie

Elections will be at the holiday dinner. Positions open are president, vice president, news letter & Ray Aviation & Rex Ekwall Memorial Scholarships

Calendar:

VMC Club off for summer, IMC Club Off for summer, Young Eagles August 17 & August 31, Offutt Air Show August 24-25, Millard STEM August 31, Chapter Picnic September 8, Chapter Meeting October 14 at Oracle.

New Business: Ray Aviation Scholarship applications are coming up next year.

Old Business: None

Announcements: Al Nelson is starting a Build & Fly RV-12 Club. RV-12 is hangared at Millard. Contact is 402-305-3941.

Presentation: David D Pares Chief Scientist of Space Systems with Quantum Electro Dynamics LLC. Mr Pares spoke on his research with Quantum

Next Meeting: The next chapter meeting is November 11, 2024 @ 7pm at ABLE/ACE

→Koehler's Korner→



Well, yes, I am still alive and kicking. This was a bad late summer for me. I caught something at AV24 that translated into acute sciatica which kept me basically in bed for

much of August and still is not completely over. Never had so much sustained intense pain in my life. However, it is steadily getting better, and I have done several little projects in the meantime so have a lot of material for KKs.

This month we will look at techniques for installing Plexiglas, specifically installing a replacement wing tip lens. It all started just before Oshkosh when I was doing some annuals. We were going to work on a PA-28 Cherokee and to maximize room in my hangar, I chose to put my Mooney in his hangar, while we worked on the Cherokee. Only one little thing I had not counted on was wingspan, 30 feet on the Cherokee and 37.5 feet on the Mooney. The owner had workbenches on both sides of the hangar, one with a big iron vise on it. I eyeballed the distances, went slowly, and still neatly kissed the big vise with the right wingtip, shattering the lens.



Fortunately, I had a spare right wingtip lens that I had purchased years ago when a helping friend had dropped the original lens. After getting the replacement, I figured out how to buff out the damaged area on the old

lens, so I kept the new lens in a box in a dusty corner of the shop.

The new lens had been pre-trimmed so it required minimal edge trimming to make it fit perfectly. Also, after the years of storage, it was not distorted or warped. I simply taped it in place with masking tape as a fit check.



Now came the issue of drilling the holes, which can be very tricky for Plexiglas. Plexiglas is quite hard and brittle, so if you use a standard twist drill that you use on wood or metal, it will bite into the Plexiglas and crack it. Similarly, if you press hard, like when drilling aluminum, the drill will punch through and probably create a huge crack. There are special drills made for Plexiglas with a pointier tip and a dumbed-off cutting edge that will not bite into the plastic. In essence, you want to drill Plexiglas by scraping out the hole instead of digging it out. The special drills are moderately expensive and a complete drill set is an unnecessary expense for my shop. One can modify a regular drill bit using a Dremel-like tool with a stone tool or perhaps a bench grinder by blunting the cutting edges of the drill bit, but this is a bit tricky and ruins the bit for regular use. I have found that a very good shop tool for drilling Plexiglas is the Step Drill or Unibit. It mostly cuts by scraping, and covers a series of sizes. Also, the tapered section between each size can be used to chamfer the hole, further relieving any stresses that could lead to cracks. Be sure to not push very hard with the drill bit, just let it scrape itself through. One thing about step drills is the tricky ability to judge the depth or size hole

while drilling. I like to mark my stop point with tape as below:



Another issue with step drills is that they do not pilot well by themselves, or said another way, you really need to drill a pilot hole for exact location before using the step drill. In my application, having the lens taped in place provided a perfect visual for hole location. I picked an old dull small diameter #30 bit and used it to match drill the required holes. It was smaller than the holes in the wing tip with the nutplates behind. The smaller drill bit did not damage the wingtip or the nutplates.



I then removed the lens and freehand drilled each of the holes to an oversize so that the screw threads would not contact the lens. Note using the taper for the next size to lightly chamfer the hole.



This was followed by gently cleaning up the holes using the step-drill in my hands, removing all sharp edges from both sides of the holes.



There remained only the requirement to install the lens using stainless screws and countersunk Tinnerman washers, salvaged from the original installation. Be sure to tighten the screws to barely snug. Over tightening can lead to cracking. The degree of over tightening will result in near or eventually long-term cracking. Resist the temptation to tighten.



Hope this little discussion helps you more successfully work with the Plexiglas parts on your plane.

Keep building, flying, and maintaining.
Dick 10/2024

A Note from Aviation stemAHA Hague Howey

Executive Director Search:
Executive Director, Aviation stemAHA;

Lead the emergence of a 6-year-old Non-Profit, all Volunteer organization to a full-time staffed NP. Must seize the challenge, love guiding youth to their exposure to career opportunities in STEM Aviation. Recent expansions in Aviation Education has created greater opportunities to grow this NP to be a fulltime staffed organization within 12 to 24 months. The current Co-Founder & President wants to continue expanding and developing programs plus widen the reach to youth, age 8 to 17. Recent inclusion programs have been developed to expand the reach to youth in the intercity where knowledge of opportunities is more limited but, the potential for finding critical labor to fill severe shortages in STEM Aviation has great promise. We have a storefront, in the Oak View Mall which serves as our main public interface

location however, our programs take us to where-ever we need to meet groups of youth to carry out our mission. We do a lot of Career Fairs, Presentations, Work Shops and anything that can engage youth. We are dependent upon design programs using our affiliates to carry them out. The best description of us is, we are Facilitators and Designers of Engaging STEM Aviation programs. While we do have a store front location that can be utilized as much as possible, a lot of work can be done from virtually anywhere. As we transition from Volunteer to Full Time paid staff, work commitment would be expected to ratchet up to meet increasing position demands.

Aviation stemAHA, (Non-Profit 501C-3)
Hague.Howey@AviationstemAHA.org
15206 Dorcas Circle
Omaha, Nebraska 68144-159
402-510-3528
(Store Front: ABLE ACE/Oak View Mall)

Photos! ABLE/ACE Move at the Mall



The old bay-cleaned out.



The new bay-all moved in!

Photos!

ABLE/ACE Move at the Mall (Continued)



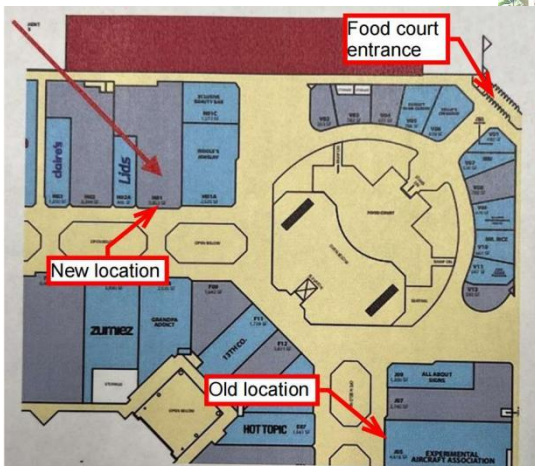
One of the bigger items to remove in the new bay was the checkout island in the middle of the store. How many people does it take to remove the counters, showcases, data cables, and electrical? A lot more than you'd think.

Can you ever have too much shelving?



Don't mind us.....

....just moving airplane parts through the mall.



Note the new location of the ABLE/ACE at the mall.

Photos!

Young Eagles, October 19, KMLE



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EAA 80 MONTHLY TREASURER REPORT

Oct-24

Income

Member Dues	\$75.00
RV Note	\$400.00
TOTAL INCOME/RECEIPTS	\$475.00

Expenses

Scholarship Expenses	\$2,892.16
Food and Drink	\$165.23
Oak View Rent	\$150.00
TOTAL EXPENSES/OUTFLOWS	\$3,207.39

Assets

Pinnacle Bank CD's	\$51,041.00
RV 12 Note	\$7,400.00
Glastar Project	\$25,000.00
Shirt Inventory (est)	\$500.00
Checking Account Balance	\$3,041.18
Venmo Balance	\$586.87
TOTAL ASSETS	\$87,569.05

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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

[Distrust and Verify](#)

Qualifies for FAA WINGS and AMT credit
Wednesday, November 6, 2024, 7 p.m. CST
Mike Busch

[Christen Eagles](#)

Tuesday, November 12, 2024, 7 p.m. CST
Chris Henry and Amelia Anderson

[Scanning the Gauges: Surviving VFR Into IMC](#)

Qualifies for FAA WINGS credit
Wednesday, November 13, 2024, 7 p.m. CST
Prof. H. Paul Shuch

[EAA Ray Aviation Scholarship – Update for 2025](#)

Tuesday, November 19, 2024, 7 p.m. CST
Chris Gauger

[IFR Departures: From Planning to the En Route Environment](#)

Qualifies for FAA WINGS credit
Wednesday, November 20, 2024, 7 p.m. CST
Tom Turner

[Chapter Tax Exempt Basics](#)

Tuesday, December 3, 2024, 7 p.m. CST
Patti Arthur

[Concierge Maintenance](#)

Qualifies for FAA WINGS and AMT credit
Wednesday, December 4, 2024, 7 p.m. CST
Mike Busch

[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 Leiting

[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

[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

[Fabric Covering Basics](#)

EAA Homebuilders Week
Qualifies for FAA WINGS and AMT credit
Monday, January 27, 2025, 2:30 p.m. CST
Nate Hammond

[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

Upcoming Webinars

Continued

[Hardware for Homebuilts](#)

EAA Homebuilders Week
Qualifies for FAA WINGS and AMT credit
Tuesday, January 28, 2025, 4:00 p.m. CST
Jon Cox

[Dynon Avionics](#)

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

[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

[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

[Gas Welding](#)

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

[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

[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

[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"/> 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"/>	<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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