



President

Bruce Mundie
703-405-7817

president@eaa80.org

Vice-President

Bob Dyer
402-740-9309

vicepres@eaa80.org

Secretary

Craig Tylski

secretary@eaa80.org

Treasurer

Steve Farner
402-690-8751

treasurer@eaa80.org

Membership Coordinator

Bob Condrey
402-651-0402

membership@eaa80.org

**Tech Counselors/
Flight Advisors**

Mike Howard
402-991-0403

&

Jerry Ronk
402-980-8973

&

Bob Condrey
402-651-0402

tech-counselors@eaa80.org

**Young Eagle
Chair**

Scott Pridie

youngeagles@eaa80.org

Newsletter Editor

Chris Halfman
402-618-3148

newsletter@eaa80.org

Web Editor

Dale Botkin
402-676-4086

webmaster@eaa80.org

News!

December 2021

On the Web: www.EAA80.org

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President's Corner

By Bruce Mundie



What a great year for EAA 80! We opened up our Oak View Mall facility, we awarded a Ray Scholarship, we flew Young Eagles, we got started building our Zenith 750, chapter fly outs, builders' visits, IMC and VMC clubs and so much more! 2022 promises to be just as busy. I am very much looking forward to an activity filled year, please join us!

Remember that EAA 80 is a 501(c)3 organization; any donation can be written off of your taxes. If you would like to make a donation (monetary, aircraft, project, tools, materials) please get with me or one of the officers before December 31.

Enjoy the Holiday Season! Sign up for our Annual Winter Gathering in January, and come learn, build, and fly with EAA 80!

Thanks and fly safe!

Bruce

EAA 80 Calendar of Events

Dec 13, Chapter meeting, ABLE ACE, Bob Condrey presenting on AirVenture, Election of Officers

NO January Chapter meeting

Jan 29, Christmas Party, Anthony's Steakhouse



Feb 14, Chapter meeting, ABLE ACE
Sep 24, STEM Day, with location TBD

EAA Chapter 80 Meeting Minutes November 2021

The chapter meeting was held on November 8th at the Able Ace Facility (Oakview Mall) and called to order at 7 PM by President Bruce Mundie.

Guests and New Members: Four guests were present. Bill Monniger and his grandson Miles attended. Also present were Brent Witz and son Derek. Brent is a retired Air Force crew chief.

Meeting Minutes: The October 2021 minutes were approved as written.

Treasurer's Report: The treasurer's report was provided in the November newsletter and approved as posted. The opening balance was \$15,162.67. The ending balance is \$14,995.19.

Membership: Bob Condrey reported 97 members (several more inactives dropped). Pictures are missing for 27 members.

Scholarship: Patrick Stolinski has been busy with school and flying has slowed down for now. Bruce announced that we will apply for a 2022 Ray Scholarship.

Tech Counselors: Nothing to report.

Young Eagles: The YE rally in October had numerous pilots and youth in attendance. There may be an impromptu rally in November, otherwise flights will resume next year in April.

Tools: No change.

Builder Reports: Ben and Bob Gilbert moved their RV10 to Millard.

Builder Meeting: Bill Haas displayed his Berkut project, housed at Eppley.

Chapter Build: Mike Howard reported good progress on the Zenith project. The engine, exhaust/intake, carburetor and various sheet metal work has been accomplished. He hopes to attach the wings by Christmas and the project will be using up more footprint in our mall facility with the wings and tail installed. Work is being done on Tuesdays and Thursdays from 1-5pm, with some weekend work, if you'd like to participate. Bob Condrey will bring the wing stands out to the mall to store the wings when not installed.

If you are interested in helping out on the project, please contact Bob Condrey or Mike Howard.

Fly-outs: Mike Howard had a flyout to Stearman Field in Wichita with 15 pilots in 10 airplanes participating. Another flyout to Yankton was not quite as successful.

Social Coordinator: Ed Kirker reported the holiday party is January 29th at Anthony's. Social hour starts at 5:30 with dinner at 6:30. Beef, chicken, or salmon will be served. An E-invite will be sent out for members to sign up. Bruce said the cost of the meal will be subsidized by the chapter to bring the member cost down to the next lower \$5 (expecting \$30/meal).

VP: Bob Dyer invited Ken Bahr to speak at this meeting. The Builder Meeting was done in October and he hopes to resume these meetings again in the spring.

PRESIDENT:

- Bruce is continuing to work the 10-year hangar proposal with the airport authorities.
- Elections will be held at the December meeting. Bob Condrey is not volunteering/running for the Membership office. Contact Bruce if interested in this position.
- Anyone who wants to make a donation to our chapter (501c3) should do so before the end of the year in order for the donation to be applicable in 2021.

Calendar:

Dec 13, Chapter meeting, ABLE ACE, Election of Officers

NO January Chapter meeting

Feb 14, Chapter meeting, ABLE ACE mall

Sep 24, STEM Day, with location TBD

Old Business: See President's notes.

New Business:

- There was a discussion to increase the chapter dues starting next year. A motion to increase the dues to \$30 was made but later rescinded, and the discussion deferred to allow more pro/con arguments be made as well as a discussion of our current financial situation and future needs. It was noted that the mall charges us \$150/mo for the build space, and our EAA national liability insurance has increased from \$250 to \$500/year.

Announcements:

- Jim Beyer is coordinating the sale of a partially completed and donated RV3 built kit. Jim is parting out the sheet metal and other items in the kit (including the Cleveland wheels and brakes and some instruments). Raw materials will be priced at approximately half the Aircraft Spruce list price and the parts are at a Millard hangar. Proceeds from the sale will go to the Chapter.
- The Halloween handout was very successful at ABLE ACE with the OmahaHawks R/C club, Stem Day, 99's and others participating. An estimated 600-700 trick-or-treaters came by.
- Jim Beyer announced that the next VMC Club meeting is Tuesday (Nov 9) at Council Bluffs airport. The next IMC

meeting is Thursday (Nov 11) at the ABLE ACE room.

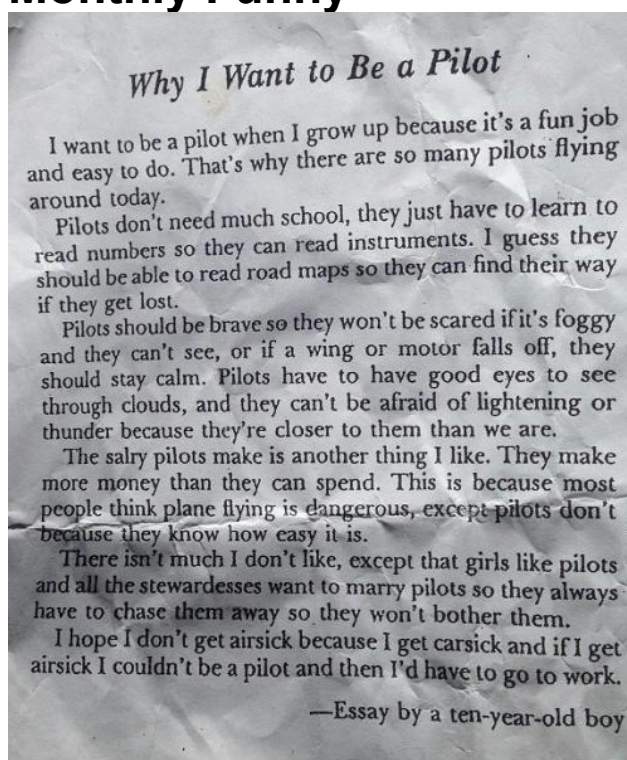
- Jim Beyer is coordinating with Iowa Western to develop a maintenance workshop for pilots (just the basics). They are targeting in 2022 after the holidays.
- Hague Howey indicated there will be an abbreviated Stem Day in February 2022 at the ABLE ACE mall location.
- Stevie Branch is providing flight lessons at the Plattsmouth airport.

Raffle Drawing: No raffle drawing

Presentation: Ken Bahr gave a presentation on two fly-in's he attended in Wisconsin last summer. One to Gilbert Field near Rio WI (private airport, public use), and the other to Sugar Ridge near Verona WI (private airport/use). Both were turf runways with decent attendance. Lots of interesting pictures and videos.

Next Meeting: The next meeting is December 13th at the ABLE ACE build site, Oakview Mall, at 7pm. *There will be elections and Bob Condrey will present on AirVenture, volunteering, and other discussion around those subjects.-ed* Note: Exterior mall doors are locked at 7pm.

Monthly Funny



Technical Advisor

→Koehler's Korner→



I just came back from doing three straight SportAir Electricity Workshops at Flabob Airport, Riverside CA. It was the first time we have offered three classes in a row,

Tuesday through Sunday, and, quite frankly, it was a bit too much but this marks the rebirth of the SportAir program following the China virus hiatus. There will be two sets of Workshops in Waco TX in early December and of course the big Workshop program in Oshkosh near the end of January is also scheduled. Closest planned Workshop to 186 this year will be in Norfolk on the weekend of April 4, 2022. You get more info and sign up now at www.sportair.com. These Workshops are the highest rated programs that EAA offers per the evaluation forms that are filled out by all participants. Aircraft Spruce and Consolidated Aircraft Coatings (Poly Fiber) heavily subsidize the Workshops with materials, so the cost is low compared to any similar program. We will even offer formal Workshops during AirVenture 2022. Hope to see you there.

I am in the process of upgrading my panel. Many years ago, I put in the King KCS-55 HSI, and have loved it ever since, having gotten rid of the vacuum driven DG that needed resetting off the magnetic compass about every 15 minutes. Now I am taking aim on the vacuum driven attitude indicator (AI). It is beginning to nutate a bit, indicating the bearings are wearing and I plan to put in the King (ex Tru Trak) Aero Cruz 100 autopilot, thus removing the vacuum driven old Brittan autopilot and making the need for any vacuum system unnecessary. So, with one fell swoop I hope to remove several pounds of "stuff" from Miss Mooney and at the same time evolve her systems into modern times. Let's look at the AI in detail this month. As I

looked at electronic replacements for my current vacuum AI, I really only found three good options, the RCallen Mini 6 at \$2945, the Garmin G5 at \$2395, and the UAvionix A-30-C at \$1995. I was looking for a "drop-in" replacement of the vacuum AI, with minimum panel redo. The RCallen seemed over priced for the capability, so I narrowed to the G5 and the AV-30. The G5 is a more complex system, part of a full package, with Buss interconnect architecture capability and was a bit more expensive. But more important, Garmin makes it difficult to do your own installs on certificated aircraft. They try to force you to go through their approved dealers and openly withhold the STC paperwork. That was the final straw for me. The AV-30-C was my choice for the new AI. By the way, it can be configured as either an AI or a directional gyro (DG), but cannot be switched in flight on a certificated aircraft. It must be installed as either an AI or a DG. Also, it is just a DG, not an HSI so there is no magnetometer. It's an electronic version of my old vacuum DG, when configured as a DG and magnetic heading must be updated in flight. I think an HSI version is in the works.



So, the plan is "out" with the 2.2 lb. vacuum DG and "in" with the 0.5 lb. electronic AI. Following will eventually be removal of the entire vacuum system. Note that the AV-30-C has a built-in battery that will power it for two hours, way more than the FAA required ½ hour for critical-to-flight items. I'll let you know how the install goes next month.

I hope this little discussion of evolving electronic technology was useful for you.

Keep building, flying and maintaining.
Dick 11/2021

Re-published with permission of Dick Koehler,
EAA 186

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EAA 80 MONTHLY TREASURER REPORT

Nov-21

Checking

Opening Balance **\$14,995.19**

DEPOSITS

No Deposits

EXPENSES

Rent ABLE/ACE \$150.00
EAA Liability Insurance \$583.00

Ending Balance **\$14,262.19**

Asset Accounting

<u>Date</u>	<u>Item</u>	<u>Value</u>	<u>Date</u>	<u>Item</u>	<u>Value</u>
6/17/2020	T-Shirts	\$125.00	5/22/2020	Zenith 750 Proj.	TBD
7/13/2020		\$100.00			
8/10/2020		<u>\$25.00</u>			
Total		\$250.00			

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- Pilot Supplies/Merchandise
- Aircraft Brokerage
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Photos



Left: 11/28 Fly Out to Playa Azul
in Beatrice

Below : Ramp at KBIE 11/28
(plus a Robinson)



Left: Ken Bahr presenting at
the November meeting

Right and Below: Bruce Mundie getting in
a couple Young Eagles flights.



Upcoming Webinars

Homebuilt Biplane Roundup

Homebuilders Webinar Series
12/7/21, 7 p.m. CDT
Budd Davisson

The Truth About Stalls

Qualifies for FAA WINGS credit.
12/8/21, 7 p.m. CST
Tom Turner

The History of EAA's B-25

Museum Webinar Series
12/14/21, 7 p.m. CST
Chris Henry and Ben Page

Flying Clubs – Growing Participation in Aviation

12/15/21, 7 p.m. CST
Timm Bogenhagen

Balky Alternator

Qualifies for FAA WINGS and AMT credit.
1/5/22, 7 p.m. CST
Mike Busch

Ground Reference Maneuvers — Practicing Precision Patterns

Qualifies for FAA WINGS credit.
1/12/22, 7 p.m. CST
Prof. H. Paul Shuch

Young Eagles Coordinator Orientation

1/18/22, 7 p.m. CST
David Leiting

Become a Better Chapter Leader – Presidents/Vice Presidents 2022

1/20/22, 7 p.m. CST
Charlie Becker

These are the current webinars listed on eaa.org. Please check the site at: www.eaa.org/en/eea/news-and-publications/eea-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.

Mail checks to:
 Bob Condrey
 1105 Kountze Memorial Dr.
 Bellevue, NE 68005

EAA CHAPTER 80

2021 APPLICATION FORM

www.eaa80.org
 www.facebook.com/ea80
 Twitter: @EAA_80

CONTACT INFORMATION										
NAME						EAA NUMBER				
ADDRESS										
CITY, ST, ZIP										
SPOUSE NAME										
HOME PHONE					CELL PHONE					
E-MAIL ADDRESS										
PROFESSION							RETIRED			

MEMBERSHIP PROFILE										
OWNED ACFT						N-NUMBER				
ACFT BUILDER			TYPE:				COMPLETE %			
PILOT LICENSE										
AIRPORT BASE			HANGAR #							
EMAIL GROUPS	FLY-OUT				BUILDERS			YOUNG EAGLES		
PUBLISH INFORMATION IN CHAPTER DIRECTORY					HAVE A NAME TAG			YEAR JOINED CHAPTER 80		
YOUNG EAGLE VOLUNTEER			YOUTH PROTECTION TRAINING CURRENT							

OFFICE USE: (DUES \$25 PER YEAR)														
2021			2022			2023			2024			2025		
PAYMENT	TYPE				AMOUNT				DATE					

Last updated: 1/3/2020