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News!

October 2020

On the Web: www.EAA80.org

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Twitter: https://twitter.com/eaa_80

Notes from the President

By Bruce Mundie



October finds EAA 80 in a position of a COVID-19 tainted Summer that is rapidly turning into a Fall that has come way too quickly. Fall brings the best flying weather to the Great Plains. Let's enjoy what Mother Nature brings, and hope that 2020 ends better than it began.

Even with COVID-19 precautionary and restrictions, EAA 80 had a relatively busy month. Our annual chapter cookout on 13 September was well attended with 10 aircraft and over 25 members and guests. Scott Pridie hosted a Young Eagles micro event on 19 September with several kids enjoying their first general aviation flights. Finally, Mike Howard hosted a fly out event to Beaumont, Kansas, to an amazing fly in hotel. You can still participate! If it is a ZOOM link to chapter meeting, or attending a get together using social distancing precautions, EAA 80 still has a lot to offer.

Remember that our upcoming meeting on not on the usual day. It will be on Thursday, 15 October as we will be hosting Representative Don Bacon. Additionally, on the horizon will be scholarship selections, and chapter elections. Even more opportunities to participate!

I'll be back in the Omaha area at the end of October, until then, fly safe and enjoy the great Fall weather.

Bruce

EAA Chapter 80 Meeting Minutes

September 2020

The chapter meeting was held on September 14th at Oracle Aviation as well as via Zoom On-Line Meeting. The meeting was called to order at 7 PM by President Bruce Mundie.

One new member, Don Nelson was introduced. Don has been out of flying for about 25 years, has 400hrs, and is looking into a homebuilding project. Previously involved in motor sports.

One guest was introduced, Robert Graham. He's been in aviation for over 40 years and is looking at the EAA and getting back into aviation.

Meeting Minutes: The August 2020 minutes were approved.

Treasurer's Report: Bob Cartwright's treasurer report was presented for September. The opening balance was \$13,939.81. Chapter receipts totaled \$249.00 (dues, 50-50, and T-shirt sales). Expenses were zero. The ending balance is \$14,188.81. The report was approved.

Membership: Bob Condrey stated there are 112 total members, with dues paid by 82% of the members for 2020. There are members that have not had their pictures taken for the directory, have not provided their EAA membership numbers, or have not provided their email addresses. Contact Bob if you want to be included on the E-Mail lists (General, Young Eagle, Fly Out, Builders).

Tech Counselors: Mike Howard had nothing for Tech Counselors, but did offer up information as the Flight Advisor. He recommended that anyone preparing for

a test flight/program to contact him for his services as an EAA Flight Advisor.

Young Eagles: Scott Pridie (via Zoom) indicated that there was a small group of Scouts (5) that were successfully flown in September abiding by the coronavirus rules with all wearing masks. There will be another group of 10 Scouts flown this Saturday and he's looking for pilot volunteers.

Tools: Mike Howard had an updated tools list that he went over with the membership. He will update this list with inputs during this meeting and will publish the list on the EAA 80 website. Significant items included: 8'1"x17' flatbed trailer, low rise weighing scales, two low-wing jacks, 10' sheet metal break (up to 1/4" thick), 5' sheet metal break, 5' sheet metal sheer, 6' aluminum ladder, pressure pot for bleeding brakes, heavy electric lug squeeze tool, tension meter for flight control cables, pull scale for deflection forces, 2 large C-frames for dimpling sheet metal, 4 casters for moving aircraft around the shop, a nose tire balancing tool, and more. Bruce Mundie is also willing to lend out some of the tools he has in his shop.

Builder Reports:

- Bruce M provided a slide with all known current builders: Bill Haas, Berkut; Ken Bahr, Sonex; Bob Gilbert, RV-10; Jim Beyer, RV-10; Jerry Cook (now Bob Condrey), RV-14; Kim Fostvedt / Tom Wieduwilt, Bearhawk; Aviation Nation, RV-12; EAA80, Zenith 750 STOL. To be added to list: Mark Miller, CH650; Brad Safford, CH750 STOL.
- Jerry Ronk inspected Brad Safford's CH750.
- Ken Shoemaker is building an RV-7A

Builder Meeting: The next builders meeting is TBD. Bob Condrey petitioned that visits start up again.

Chapter Build.

- The EAA80's STOL CH750 project is on hold and we're hoping to find a building location – still awaiting word if Oracle Aviation will let us use their hangar

corner. Mike Howard is heading to Mexico MO this Saturday to attend a Zenith Aircraft open house.

Fly-outs: Mike Howard reported there were three flyouts attempted: one to Audubon NE, cancelled due to weather; the others were to Fremont and Plattsmouth.

Social Coordinator: Bruce reported that the Plattsmouth flyout and BBQ was successful. Twenty-five people showed up as well as eleven aircraft.

VP: Bob Dyer reported that Don Bacon is scheduled as our speaker at the October meeting on Thursday, October 15th. The November meeting will be at Central Cylinder (Eppley airport) at 5:30pm, with pizza to be served. Bruce Mundie stated that since we are a 501c(3) we cannot politically support any political candidate (with respect to Don Bacon the candidate for Congress), and will keep his visit focused on aviation related subjects.

Calendar:

- YE, Millard, Sep 19th, Oct 17th
- EAA80 Meetings: Thursday, Oct 15th; Tuesday Nov 9th at Central Cylinder; Dec 17th Millard Oracle Aviation
- Holiday party, January TBD, Anthony's Steak House

Old Business:

- Tom Wieduwilt has the old PA system and has not gotten rid of it yet.
- Mike Howard has updated the master tool list.

New Business: Bob Condrey offered to host a workshop for those interested in sharpening their aircraft building skills. He sent an email out to those on the Builders List. Contact him if interested.

Announcements: A motion was made and accepted for a \$2,000 scholarship to be awarded to an eligible UNO aviation student this year. Mike Howard has initiated this effort. The judging committee is made up of Mike, Bob Condrey, and Bob Cartwright. Bruce Mundie indicated that EAA National has

matching funds for this type of scholarship and he will take care of applying to National.

Raffle Drawing: No raffle this month.

Presentation: Dave Bentley made a presentation on his experience with aerial surveying using NADIR and Oblique imaging techniques. The entire process is highly technical with amazing results. It includes aerial surveying for natural disasters (insurance estimates), county assessors (taxes), forests for harvesting trees and cutting roads, farmland nitrogen levels, pipeline patrol, power transmission line routings, and more. He currently has a livery of Cessnas and Aztecs performing this work with these highly sophisticated cameras and he had one of his Cessnas in the hangar on display.**Next Meeting:** The next meeting is Thursday, October 15th, 7pm, at Millard Airport, Oracle Aviation. .

Technical Advisor

Koehler's Korner

In the process of a recent annual inspection, we checked all the lights and found the beacon on top of the vertical tail to be inoperative. It was a self contained strobe light with the front half red and the aft half white.

I looked up the data for repair and found Whelen does not make the strobe



anymore and there were no replacement parts (like strobe light bulb) available!

Let's pause here and mention that there are at least three different requirements out there for strobe light coverage, depending on when your plane was produced. For this 1965 Cherokee 180, the single strobe met the requirement, and without it operating, the plane could not legally operate at night. If you finish a homebuilt now, the requirement is much more extensive, requiring strobes with a certain minimum power level and 360-degree

coverage above and below the horizon. Make sure you use a compliant system.

Anyway, back to the Cherokee. The strobe was mounted in a pod on the top of the vertical tail, as with many other Cessnas and Pipers of that era. Units from that era came in two base sizes, 2.6" and 3.75" diameter. We could have put in a modern strobe light system, with tail and wing tip lights, but the cost would push \$2000!

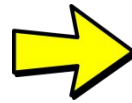
After some research, I found that Whelen made a couple of modern LED replacements, the 9052001 series and the Orion 360 series. Both come with 2.6" or 3.75" mounting bases and in all red, all white or split red and white. They also come in 14 and 28 volt versions, so there were many to sort through for the correct unit. In this case, we were looking for a 14 volt, split red and white, with a 3.75" base. The 9052001 was an exact form/fit/function replacement with the same external aerodynamic profile. The Orion 360 version was identical, except it was 60 percent lower, meaning it had about 60 percent less drag! We went with the low-profile Orion 360 unit, calculating that it would increase the speed about 0.02 knots! Notice the comparison of the two units.

Installation was child's play. The unit is mounted with three 6-32 screws around the perimeter and a power and ground lead. I took the time to put in a Molex connector for the power and ground, but the entire install, done on the top of a ladder took less than 30 minutes. The new strobe was beautifully made, but the big bite was it cost about \$700! Paperwork was easy since it was a FAA PMA replacement for the old strobe. We might have been able to find a less expensive solution, but we may have spent a lot more time reengineering the installation.

Re-published with permission of Dick Koehler, EAA 186

EAA 80 Calendar of Events

October 12-No Meeting. See October 15.



Thursday, October 15,
Monthly Meeting, US House
Representative **Don**
Bacon presenting



October 17 Young Eagles, Millard

November 9, Meeting (and maybe pizza!) at
Central Cylinder

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.

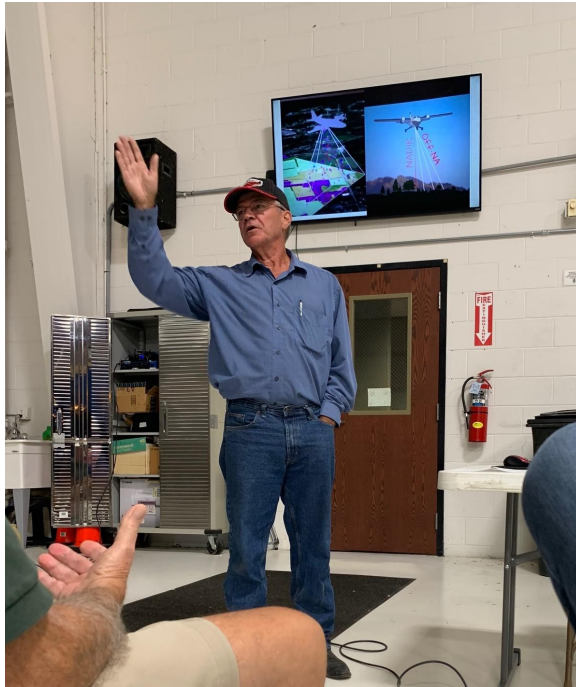
Your contributions will go towards such things
as:

- ✓ 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 office to inquire about making a tax free donation.

Photos



Dave Bentley presenting on the method the cameras use to get all the data gathered. See more detail in the September meeting minutes.

Photos from the Fly-In and Burger Burn at Plattsmouth, September 13, 2020



Group photo at the Fly-In/Burger Burn. Thanks all that attended!

Upcoming Webinars

Strategies for Limiting, and Protecting Yourself from, Liability as an Aircraft Owner or Renter

10/14/20, 7 p.m. CDT

Jack Harrington, Paul Herbers, Alan Farkas, and Jim Anderson

Emergency Bailout Procedures for Pilots and Survival Equipment

Qualifies for FAA WINGS credit.

10/20/20, 7 p.m. CDT

Allen Silver

Flying Clubs – Growing Participation in Aviation

10/27/20, 7 p.m. CDT

David Leiting

Van's RV-14

HOMEBUILDERS WEBINAR SERIES

11/3/20, 7 p.m. CST

Greg Hughes

Your Engine's Lifeblood

11/4/20, 7 p.m. CST

Qualifies for FAA WINGS and AMT credit.

Mike Busch

The International Aerobatic Club Turns 50 Years Old and It's a Golden Birthday!

11/10/20, 7 p.m. CST

Mike Heuer and Lorrie Penner

True or Magnetic?

11/11/20, 7 p.m. CST

Qualifies for FAA WINGS credit.

Prof. H. Paul Shuch

Cockpit Power Management

11/18/20, 7 p.m. CST

Phil Lightstone

RANS S-21 Outbound, All Metal, All Purpose

HOMEBUILDERS WEBINAR SERIES

12/1/20, 7 p.m. CS

Randy Schlitter

Good Eyes, Great Catch!

12/2/20, 7 p.m. CST

Qualifies for FAA WINGS and AMT credit.

Mike Busch

It's Baffling

1/6/21, 7 p.m. CST

Qualifies for FAA WINGS and AMT credit.

Mike Busch

Avionics Options for your Homebuilt Aircraft with Dynon

HOMEBUILDERS WEBINAR SERIES

2/2/21, 7 p.m. CST

Michael Schofield

These are the current webinars listed on eaa.org. Please check the site at:

www.eaa.org/en/ea/news-and-publications/ea-webinars to see if there are other webinars available.



<https://www.centralcylinder.com/>

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EAA 80 MONTHLY TREASURER REPORT

Oct-20

Checking

Acct. 310

Opening Balance \$14,188.81

Receipts

50/50

T-Shirt Sale

9/14/2020 Dues Cash \$50.00

9/14/2020 Dues Chks \$175.00

Expenses

Y.E.Expense

9/14/2020 Bruce Mundie(Picnic) \$255.84

9/24/2020 A/C Spruce \$228.93

Able Scope VA-400

Refresh

Ending Balance \$13,929.04

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		\$25.00			
Total to Date		\$250.00			\$0.00

AS INFO Oct. 2019 \$14,201.96

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- AvGas, Jet A
- Aircraft Rental

- Flight Training
- VA Approved Flight Training
- Commercial Drone Training
- MCX Redbird Flight Simulator

- FAA Testing
- Pilot Supplies/Merchandise
- Aircraft Brokerage
- Aircraft Acquisition

KMLE

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Omaha, NE

402.934.5300

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 1105 Kountze Memorial Dr.
 Bellevue, NE 68005

EAA CHAPTER 80

2020 APPLICATION FORM

www.eaa80.org
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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)									
2020		2021		2022		2023		2024	
PAYMENT	TYPE			AMOUNT			DATE		

Last updated: 1/3/2020