



News!

March 2020

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Presidents Corner

By Bruce Mundie

Last winter was a rough and cold season. This winter is not really as bad, but it's still cold and windy here on the Great Plains. I have spent many a morning and afternoon at my hangar at Omaha Eppley braving the cold, fully knowing that time I spend now should equate to time flying when the weather gets warmer. If it got too cold, and the timing was right, I would drive the short distance to George Czarnecki's Central Cylinder and raid their coffee pot. Always hot coffee and great conversation to be had at George's.

We all should be pleased on how our flight plan into 2020 is turning out. Our Young Eagle program resumes on 14 March and runs all the way through 2020. Please sign-up and help out as Young Eagles is our primary chapter activity, and one of our best ways to reach kids interested in aviation in Eastern Nebraska and Western Iowa. Additionally, we have EAA's Ford Tri-Motor coming to visit Memorial Day weekend. This visit will also provide local area outreach and provide the chapter an excellent fund raising activity. Finally, let's support the members of our chapter who are also organizing events like Jim Beyer and Aviation Nation's STEM day on 13 June; and Bill Moore's 100th Commemoration of the continental air mail route on 10 September.

Many thanks to Chris Halfman for taking over the newsletter! I would like to assist Chris and add content to our newsletter. Here is how you can help: Firstly, take a picture or two of your current aviation project and provide a short blurb on what you are working on and any lessons learned. Finally, I might ask for you to be our member in the spotlight. I'll ask for a picture (preferably with your aircraft) and a short narrative on how you got started and what drives your passion for the EAA and aviation.

Warm weather is coming soon. Happy flying and I'll see you at Oracle on 9 March.

Bruce

Upcoming Planned Presentations:

March 9
Craig Tylski, Test Pilot Experiences

Member Spotlight: Craig Tylski



In 1972 I received my privates pilot license through ROTC at the University of Arizona where I graduated in Aerospace Engineering. I flew in the Air Force for 6 years in Air Defense Command. Afterwards I spent 25 years at Learjet (now Bombardier), flying all models of the Learjet and Bombardier Challenger, Regional Jet and Global Express as an experimental test pilot. Retired from Learjet in 2005 and continue today as an Engineering Flight Test Consultant test pilot. I've accumulated 12,500 hrs with more than 9,000 hrs in flight testing.

The presentation will give a genealogy of my journey as a test pilot, starting in college, through my time in the Air Force and early EAA build/test activities, then into my entry test pilot years at Learjet, with a progression into the big iron under Bombardier,

highlighting several major certification programs I have worked through these years, including military-use special mission aircraft experiences after leaving Learjet/ Bombardier. Lots of pictures and short video clips of flight testing that some may enjoy.

Membership Dues

It's that time of the year again. Membership dues are due to Bob Condrey. The dues are \$25/year.

Builder's Corner

I'll start the builder's corner segment with a situation I had with my Nieuport 28 project. The crux of the issue deals directly with the color coding of Adel Clamps. I learned over the last month that the color codes can be important. Does anyone know the difference between the following clamps?

Black are general purpose clamps. Blue are clamps that are petroleum resistant. White are clamps that are for high temperature areas.



I was using general purpose clamps to secure the throttle cable to the attachment point near my carburetor. This worked great until a little oil seeped onto the clamps, causing my throttle cable sleeve to slide fore and aft, limiting my ability to achieve full power. My annual this winter caught the error, and I now have blue coded clamps holding the throttle, mixture and carb heat cable sleeves.

Let's continue this segment and help each other build safe and reliable aircraft!
Thanks and happy flying.
Bruce

EAA Chapter 80 Meeting Minutes

February 2020

The chapter meeting was held on February 10th at Millard Airport, Oracle Aviation. The meeting was called to order at 7 PM by President Bruce Mundie.

Guests included three new members: Bill Moore (publisher of EVWorld.com and interested in electric airplanes); Kenny Thomason (UNO student just licensed and studying for his instrument rating); and Ted Drefs. Two additional visitors attended: Jack Lydle (past EAA80 member); and Jarod Gaborski (student gyrocopter pilot and gyro owner/restorer).

Meeting Minutes: The January 2020 minutes were motioned and approved as written.

Treasurer's Report: Bob Cartwright presented the treasurer's reports for February. The opening balance was \$13,692.88. Chapter receipts totaled \$1,040.34 (50-50 donation, YE reimbursement). Chapter expenses totaled \$398.14 (YE expenses and FDMS Fees). Ending balance \$14,335.08.

A large FDMS fee of \$119 was assessed this year due to insufficient credit card charge usage (total 2019 fees \$185.03). A motion to discontinue the use of this service was voted on and approved; and, a different credit card charging source will be investigated (e.g. Square). The treasurer's report was approved as published.

Membership: Bob Condrey reported 102 members. The chapter dues for 2020 are now due. Three new members joined at the meeting.

Tech Counselors: Nothing to report.

Young Eagles: Scott Pridie published a 2020 Young Eagles schedule. The first is March 14th, then April 18, June 3, July 11, August 15, September tbd (Plattsmouth), and October 17 (all rallies but the one at the Millard airport). Members that want to

provide ground support or fly are asked to sign up with Scott to ensure their EAA Youth Protection Program credentials are valid.

Tools: Jerry Ronk was not present to report. The trailer is at Bob Condrey's for a week (used for transporting the Aviation Nation RV12).

Builder Reports:

1. Bill Haas is working on his Berkut's electrical wiring.
2. Ken Bahr is building spars for his Sonex project.
3. Bob Gilbert is covering his RV10 cabin.

Builders Meeting: None scheduled, awaiting warmer weather.

Fly-outs: Mike Howard reported the Yankton SD trip had nine aircraft and thirteen aviation enthusiasts in participation. Mike is planning another fly-out this Saturday to Grain Valley airport (3GV) southeast of Kansas City.

Social Coordinator:

- Bruce is still requesting a volunteer to fill this position, which involves coordinating the summer BBQ at Plattsmouth and the Holiday party later in the year. Please contact Bruce for more information.
- The last Holiday party reportedly broke even (within \$200), but will not be able to return to the Air and Space Museum next year (lost our in-house contact).

Old Business:

- Mike Howard and Bruce Mundie presented a \$2,000 scholarship award to Efrain Jimenez to continue his commercial pilot training at Oracle Aviation through UNO. Six applications were received.
- Tom Ostlund and Mike Howard reported that the Tri-Motor will be here from Thursday May 21st through Sunday May 24th (which is Memorial Day weekend). There are forty (40) volunteer slots that need to

be filled (five slots each shift, two shifts a day). The first is 8am-1:30pm, the second is 12:30-6pm. Sign up with Mike Howard (sign-up sheets at the March and April chapter meetings). TomO is looking for a marketing representative to help promote the event with local corporations. He is hoping some members have a personal contact with local radio, TV, and newspaper people, and if so, please contact Tom.

- Bruce still needs of a refreshments volunteer for our meetings.

New Business:

- Bruce asked for interest in purchasing new EAA Chapter 80 shirts, and it was positive. Bruce will bring in a new design next month for consideration.

Announcements:

- Jim Beyer announced there will be an AOPA Rusty Pilots seminar here at Oracle on March 21st. This counts towards Wings credit, as well as towards your flight review. The entry fee is \$79, but free if you join AOPA (which also happens to be \$79).
- Kevin Marking announced that there will be an Oshkosh 2020 Aeronca fly-in this year.
- Bruce is going to attend the EAA Leadership training course on March 7th in Kansas City and welcomes anyone else that would like to attend the free event with him.
- Jim Beyer announced that June 13th is the next Aviation STEM Day.

Raffle Drawing: \$70 was raised for the raffle and the \$35 winner was Kevin Marking, who then volunteered a free round after the meeting at Joe's Duck Inn.

Presentation: Member Bob Cartwright gave a presentation on his experience as a builder and pilot of a Benson B-8M Gyro Copter. The project was started in 1967 and first flight was in 1968 from an eastern Oregon ranch (later flown in Weiser Idaho). A 2-cycle McCulloch 4-cylinder opposed engine was used to power the plans built craft. Several off-site "landings" were made

as Bob polished his skills learning to fly and taming the craft. The last flight was August 1968, having achieved a maximum altitude of 3,000'. Bob logged 20.45 hours and seemed to truly enjoy the experience he had with his Dad building and flying this machine. It was donated in 2002 to the Warhawk Air Museum in Nampa Idaho.

Next Meeting: The next meeting is March 9th, 7pm, at Millard Airport Oracle Aviation, with a presentation by Craig Tylski discussing his experiences as a Learjet Test Pilot.

Young Eagles

The March 14 rally is currently in need of pilots and ground crew. Please respond to the Scott Pridie if you can help.

EAA 80 Calendar of Events

March 14 Young Eagles, Millard

April 25 Young Eagles, Millard

May 16 Young Eagles, Millard

June 13 (Stem Day) Young Eagles, Millard

July 11 Young Eagles, Millard

August 15 Young Eagles, Millard



September 10 Air Mail 100th Centennial Commemoration, Millard

September 13 (Harvest Days) Young Eagles, Plattsmouth

October 17 Young Eagles, Millard



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



Bob Cartwright posing by the Gyrocopter he and his dad, Richard, built in 1967-68 as displayed at the Warhawk Museum in Nampa, Idaho.

BENSEN B-8M GYROCOPTER N1495 (February Chapter Presentation)

This Gyrocopter was built from plans by Richard A. & Robert A. Cartwright (father and son) of Weatherby, Oregon during the fall and winter of 1967 & 1968. The aluminum material was purchased from Pacific Metals in Boise and the surplus military target drone engine was purchased from an individual in Ontario, Oregon. The seat is salvaged from a Piper Cub. The motorcycle twist grip throttle and handbrake was purchased from the Yamaha dealer at the time in Ontario, Oregon. The Ford single barrel carburetor was purchased second hand. The fuel system is modified from an outboard motorboat. The manual pressure pump and crankcase pressurization system on the fuel tank was added after an in-flight engine failure caused by a stuck fuel tank vent. A concept was borrowed from model airplane technology at the time where the two-cycle engine crankcase was tapped and pressure obtained to pressurize the fuel tank. The rotor blades are made from glued wood with a mild steel spar. The cross-section of the airfoil was originally triangular in shape and it was milled with a custom homemade fly cutter mounted in a drill press. The blades were supported by a custom guide table fed through by two people to shape them. The original flight test was performed by Don Maxon at the Ontario airport in late winter of 1968. Subsequent flights were made from the Weiser, Idaho airport and from the Cartwright Ranch in Weatherby, Oregon. The aircraft has a total of about 22 hrs accumulated during the Spring and Summer of 1968 after which it was retired and stored until donated to the Warhawk Museum in 2002.

Want to see a glimpse of the gyro on display at the museum online? <https://warhawkairmuseum.org/>
Click: Explore+ --> Virtual Tour --> (left side menu) The Planes --> P-40N Warhawk and then pan to the airplane 4 o'clock and you can see the gyro on display.

Upcoming Webinars

Bolted Joints in Shear

3/4/20, 7 p.m. CST

Qualifies for FAA WINGS and AMT credit.

Mike Busch

Chapter Chat: Donations and Contributions to Chapters

3/24/20, 7 p.m. CDT

Patti Arthur

Stabilized Approaches and Go-Arounds

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

Qualifies for FAA WINGS credit.

Prof. H. Paul Shuch

Flying Clubs - Growing Participation in Aviation

4/22/20, 7 p.m. CDT

David Leiting, Chapter Field Representative II

ATC and You: Communicating With Confidence and Clarity

3/18/20, 7 p.m. CDT

Qualifies for FAA WINGS credit.

Richard Kennington and Bob Obama

Understanding Hypoxia in Aviation

5/19/20, 7 p.m. CDT

Qualifies for FAA WINGS and AMT credit.

Mike Busch

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 80 MONTHLY TREASURER REPORT

Mar-20

Checking

Acct. 310

Opening Balance \$14,335.08

Receipts

	FDMS Dep Dues		
2/11/2020	50/50	35+35=70	\$35.00
2/11/2020	Dues	Cash	\$300.00
2/11/2020	Dues	Chks	\$325.00

Expenses

	Y.E. Expense		
2/4/2020	FDMS Fee		\$4.95
	FDMS Discount		
2/11/2020	Scholarship		\$2,000.00
	Efrain Jimenez		
2/11/2020	Refresh		\$13.89
	Bruce Mundie		

FDMS is: First Data Management System
(Credit Card)

(Note: Credit Card amounts will be accounted on cash basis when recorded on bank statement)

Ending Balance \$12,976.24

AS INFO Mar 2019 \$13,034.91

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

EAA CHAPTER 80 2020 APPLICATION FORM

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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