



News!

June 2019

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

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From the President

Hello everyone!

As many of you know, the last Young Eagles event was canceled due to weather. There are likely to be a big crowd at the International Young Eagles Day and STEM event being held June 8th at Oracle. We will need everyone that can fly and help on the ground. Be looking for the e-mail.

The June presenter will be Dr. Victor Huang from UNO. He will be talking about UNO's UAS (Unmanned Aircraft Systems) program in the aviation department.

See you, June 10, 7 PM at Oracle!

Chris Halfman

STEM Day

The Greater Omaha Aviation STEM Day event (www.aviationstemday.org) is just around the corner on June 8th, 2019! This is a big day for EAA Chapter 80 since just right next door to the STEM event, we'll be giving Young Eagle flights as part of International Young Eagle day and if the weather is nice (please put in a request now for us...the more the better) then we expect a huge turn out. Also, if anyone would like to make a tax deductible donation (small or large) to the STEM Day event, please send me a quick note at jim.beyer@aviationstemday.org and I'll point you in the correct direction.

Could still use some volunteers to help with the the name tag project ... just drilling and squeezing of rivets is all that's required. Pretty simple all-in-all.

Here's a sample of the name tag:



Also need to give thanks to Mike Howard for making two jigs that helps make these name badges. This example still needs the label on it of course.

Jim

Garmin General Aviation Equipment

Bob Negus of Oracle Aviation is offering discounted pricing on all Garmin General Aviation items, even beating any Internet pricing. He will also offer discounted pricing on the Redbird MCX simulator. You can reach Bob at 402-934-5300 or via e-mail at bob.negus@oracleaviation.com.

General Aviation History

PIONEERING PILOT: LAWRENCE SPERRY

Date: July 3, 2018
Used with permission

Pioneering pilot Lawrence Sperry made countless contributions to the world of aviation, including an invention that can be found in nearly every airplane in the world: the autopilot. Born in 1892 in Chicago, Sperry was the third son of gyrocompass co-inventor Elmer Ambrose Sperry, who filed more than 400 patents in his lifetime. Taking after his father, Sperry used his innate inventive talent and interest in flying to transform the world of aviation forever.

From an early age, Sperry was fascinated with flying. While taking flying lessons at the age of 19, Sperry began working with his father on a "gyrostabilizer" device using a modified version of the gyrocompass. The device, which later formed the basis of the autopilot, integrated gyros into the aircraft's hydraulic control system to help maintain straight and level flight.

Recognizing the potential commercial success of their invention, Sperry and his father entered the autopilot device into the International Airplane Safety Competition in France in 1914. Sperry demonstrated the capabilities of the autopilot installed on his Curtiss C-2 biplane by flying above the crowd while holding his hands off the controls. On the second pass over the astonished crowd, Sperry's assistant walked onto the aircraft's wing while Sperry still had his hands in the air. On the third pass, Sperry walked onto the wing as the aircraft remained straight and level – without a pilot controlling it. Sperry was awarded first prize in the competition and earned national recognition for his invention.

Sperry continued developing remarkable new flight instruments and formed the Sperry Aircraft Company in 1917. His contributions include a self-contained parachute, retractable landing gear, an aerial torpedo, a gyroscopic artificial horizon, and a gyroscopic bank-and-turn indicator which is still used in today's aircraft.

In 1921, Sperry set out to build a compact sport biplane for the U.S. Air Service, named the Messenger. The light, inexpensive airplane was used for general service by the Army and civilian pilots. Sperry used the Messenger as his personal aircraft and equipped the plane with instrumentation of his own design. On December 23, 1923, Sperry disappeared while flying over the English Channel on route from England to Holland. Investigators later found that his aircraft suffered engine failure and crash landed into the English Channel, where his body was found weeks later. Sperry is remembered for his outstanding contributions to modern flight, including

inventing instruments that make flying safer and more accessible for everyone. He was enshrined in the National Aviation Hall of Fame in 1981.

<http://hartzellprop.com/pioneering-pilot-lawrence-sperry/>

Minutes

May 2019

The chapter meeting was held on May 13th at Millard Airport, Oracle Aviation. The meeting was called to order at 7 PM by President Chris Halfman.

Visitors included Christy Higgins and her husband from EAA Chapter 569, Lincoln.

Meeting Minutes: The April 2019 meeting minutes were approved as published.

Treasurer's Report: The treasurer's reports for May was presented. The opening balance was \$13,337.25. Chapter receipts totaled \$445 (dues and 50-50 drawing). Chapter expenses totaled \$100.11 (refreshments and CC fees). Ending balance \$13,682.14. The treasurer's report was approved as published.

Membership: Bob Condrey reported 101 members. Twelve of the 101 members need to pay dues for 2019. Bob still has 40 members that need head photo shots for the chapter directory (either have Bob take a picture or email him a picture).

Tech Counselors: Mike Howard built a jig to drill holes in the Young Eagles wings that will be riveted to a piece of aluminum for those that participate in STEM day June 8th.

Young Eagles: Josh Tocko reported that on May 11th 25 YE's were flown. On May 18th the remaining Boy Scouts are scheduled to be flown (approx. 20-25). Josh is looking for a volunteer to fly or drive up to Tecumseh Ne on Saturday morning, May 18th, to talk about the Young Eagles to the Cub Scouts there. Contact Josh if you can help. June 8th, 8am-12, is STEM day and the next YE flights for the general public.

Tools: No report

Builder Reports:

1. Bill Haas reported that he has mounted the engine on his Berkut.
2. Tom Wieduwilt has his 2-seat Bearhawk covered, on the mains in Ken's garage, and they will be installing a Lycoming O-360.
3. Ken Bahr is building an "A" model Sonex and has received a lot more parts out of his Colorado source.

Builders Meeting: None scheduled.

Fly-outs: Mike Howard reported numerous fly outs recently to hot spots like Pella IA, Newton KS, Mead NE, Nebraska City NE, and Barnstormers in Norfolk.

Social Coordinator: The Lincoln EAA Chapter 569 has invited our chapter to a joint Christmas party at the SAC Museum on December 7th. The charge is \$30 per person. The

invitation will be taken under consideration.

Old Business:

1. Josh Tocko did not report on the status of the signage board.
2. 501c(3) application - awaiting an IRS response.

New Business: None to report

Announcements:

1. A pedal plane world record attempt will be attempted this year at Oshkosh AirVenture.
2. Sport Aviation ran an article featuring the Fremont Nebraska flooding this spring, and our local aviation support.
3. Ed Siudzinski brought in a box of amp meters (circa 1945) to give them away.
4. Tom Wieduwilt mentioned a crimping tool he found for electrical terminals.

Raffle Drawing: The 50-50 raffle total of \$84 was won by Ken Shoemaker (\$42 prize).

Presentation: Mike Howard presented information on the basics of airfoil design, terminology, and what impacts lift and drag. The bottom line was that builders and pilots should not be tinkering with airfoil shapes / selection unless they are familiar with the science behind airfoil shapes. But at least now we have the baseline terminology to communicate with on airfoils.

June Meeting: The next meeting is June 10th, 7pm, at Millard Airport Oracle Aviation.

May

An In-Depth Examination of Slips, Skids, Spins, and Crossover Speed

Wed, May 29 – 7 p.m. CDT

Presenter: Gordon Penner | *Qualifies for FAA WINGS credit.*

[Register Now >>](#)

June

Rush to Judgment

Wed, June 5 – 7 p.m. CDT

Presenter: Mike Busch | *Qualifies for FAA WINGS and AMT credit.*

[Register Now >>](#)

EAA Flying Clubs - Growing Participation in Aviation

Thurs, June 6 – 12 p.m. CDT

Presenter: David Leiting

[Register Now >>](#)

Tips for Flying into EAA

AirVenture 2019

Tues, June 11 – 7 p.m. CDT

Presenter: Fred Stadler | *Qualifies for FAA WINGS credit.*

[Register Now >>](#)

AirVenture 2019 Ultralight/ Homebuilt Rotorcraft Arrival Procedures

Wed, June 12 – 7 p.m. CDT

Presenter: Mark Spang | *Qualifies for FAA WINGS credit.*

[Register Now >>](#)

Managing Energy and Developing Style: A Beginner's Guide to Advancing in Aerobatics

Tues, June 18 – 7 p.m. CDT

Presenter: Aaron McCartan | *Qualifies for FAA WINGS credit.*

[Register Now >>](#)

EAA AirVenture 2019 Features and Attractions

Wed, June 26 – 7 p.m. CDT

Presenter: Rick Larsen/Dennis Dunbar

[Register Now >>](#)

July

A Matter of Policy

Wed, July 3 – 7 p.m. CDT

Presenter: Mike Busch | *Qualifies for FAA WINGS credit.*

[Register Now >>](#)

How to Start a Type Club

Wed, July 17 – 7 p.m. CDT

Presenter: Robbie Culver

[Register Now >>](#)

These are the current webinars listed on eaa.org. Please check the site at <https://www.eaa.org/en/eaa/news-and-publications/eaa-webinars> to see if there are other webinars available.

EAA 80 MONTHLY TREASURER REPORT

Jun-19

Checking

Acct. 310

Opening Balance \$13,682.14

Receipts

4/11/19 FDMS Dep \$165.00

5/13/19 50/50 44/44=88 \$44.00

5/13/19 Dues Chks \$150.00

5/13/19 Cash \$75.00

Expenses

5/3/19 FDMS Fee \$4.95

5/3/19 FDMS Discount \$4.35

5/14/19 Doug.Co.Treas. Trlr Lic. \$26.00

5/24/19 Jim Beyer Y.E. Mail \$4.25

FDMS is First Data Management System
(Credit Card)

Refresh

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

Ending Balance \$14,076.59

AS INFO June 2018 \$16,034.57

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

EAA CHAPTER 80

2019 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 %			
LICENSE									
SKILLS <small>1/SOME - 3/LOTS</small>	WOOD		METAL		TUBE/FABRIC		COMPOSITE		
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)									
2017		2018		2019		2020		2021	
PAYMENT	TYPE				AMOUNT			DATE	

Last updated: 11/17/2018