

# EAA CHAPTER 80 NEBRASKA IOWA



# News!

Visit Our Web Site  
[www.EAA80.org](http://www.EAA80.org)

June 2010

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## Stuff

### The Electric-Powered Aircraft Technical challenges (from EAA Experimenter)

The thought of buzzing around the sky, quietly, with no carbon emissions is an enchanting one - and the promise of electrically powered airplanes. Just plug it in for a couple of hours and go flying. No carb ice, no oil stains, no \$5 per gallon avgas. But how close is this to becoming a reality? How developed are the technologies that are needed to make an electrically powered aircraft? David Ullman takes a look at the different types of components, their state-of-the-art technology, and what developments you can expect. For more info go to [http://www.eaa.org/experimenter/articles/2010-05\\_electric.asp](http://www.eaa.org/experimenter/articles/2010-05_electric.asp)



One of the few plane pictures from the Poker Run. Mike Howard and his trusty copilot. Photo by Doug Humble.

### From the EAA Homebuilding Community (From EAA online)

The Homebuilders Corner message forum at Oshkosh365 is as active as ever. Have a look at the list below. Go to [oshkosh365.org](http://oshkosh365.org) for more info.

#### Can You Help?

- [De-register, rebuild, re-register?](#)
- [Franklin engine experts?](#)
- [Frise ailerons on a Baby Ace](#)
- [Homebuilt avionics survey](#)

#### Interesting Discussions

- [What's inside my steel tubing?](#)
- [Help a 14-YO homebuilder choose a kit!](#)
- [Folding wings?](#)
- [Why didn't you choose Sonex?](#)

### Older mufflers may be dangerous (from AOPA\_epilot)

It is just a suggestion from the FAA, not an order, but you probably ought to replace mufflers that have been in service for 1,000 hours or more. A university study shows older mufflers are involved in a high percentage of accidents related to carbon monoxide (CO) poisoning. The FAA tasked Wichita State University to study the matter. The report shows that in carbon monoxide-related cases where the muffler was identified as the source of the CO leakage, 92 percent of the aircraft had a muffler with more than 1,000 hours of service. The suggestion is contained in a May 7 special airworthiness information bulletin (SAIB). When developing the SAIB, the FAA considered the NTSB investigation of an accident on Dec. 17,

2000, in which a Beech Model BE-23 aircraft crashed, killing the commercial-rated pilot, the sole occupant of the airplane. The NTSB determined the probable cause of the accident was in part “the pilot’s incapacitation due to carbon monoxide (CO) and a fractured muffler.”

## June Meeting Time & Location

This month’s meeting is Monday June 14th, 7:00 PM at Hangar One at Millard Airport. The airport is still located on South 132nd Street between Q and Harrison.

## June Program.

Our very own Bob Condrey will talk about building and flying his RV-10. He will display his pride and joy if the weather is good.

### Our 2010 Young Eagles Schedule

In case you missed the news, our schedule for this year is:

June 12	0800	Millard, NE
June 26	0800	Red Oak, IA (NEW)
July 10	0800	Millard, NE
July 19	1860	Council Bluffs, IA (NEW)
August 7	0800	Millard, NE
September 12	0900	Plattsmouth, NE
October 23	0900	Council Bluffs, IA

Please answer the Ping if you can help. For those who still get the newsletter by snail mail, please call Kathy if you can help on any of these dates.

### EVENTS: (B) - Breakfast / (L) - Lunch

1st Sat	Chapter 1055 (B) (0800-1000)	York, NE
3rd Sat	Chapter 569 (B) (0800-1000)	Crete, NE
2nd Thursday	Aviation Movie hosted by Chapter 569 Lincoln, NE Joyo theater, 6102 Havelock Ave 7pm	
June 19	Fly-in (L) 1100-1300	Beatrice, NE
June 19	Fly-in (B)	Keosauqua, IA
June 20	Fathers Day Fly-in (B) 7-11	Harlan, IA
June 20	Fathers day Fly-in (B) 7-11	Creighton, NE
June 25-26	Vintage Plane Fly-in Gardner, KS	
June 26	Fly-in (B) 730-1030	Aurora, NE
June 27	Fly-in (B) 8-12	Ainsworth, NE
June 27	Fly-in (B) Fly-in (B) 8-12	Pender, NE
June 27	Fly-in 1000-1600	Grant, NE
June 27	Fly-in (B) 0600-1130	Marion, IA
July 4	Air Show 11:00 ~ 12:30	Seward, NE
July 10	Fly-in (B)	Chadron, NE
July 10-11	Fly-in (B) 7-10 11 8-12	Wayne, NE
July 11	Fly-in (B) 7-12 Koinzan Airfield (NE44) 33nm west Norfolk; north of Elgin, NE	
July 15-18	Parachute Boogie	Plattsmouth, NE
July 18	Fly-in (B) 7:30-1100	Norfolk, NE
Jul 26—Aug 1	OSHKOSH <a href="http://www.airventure.org">www.airventure.org</a>	
Aug 28-29	Defenders of Freedom Airshow	Offutt AFB, NE
Aug 28	ANUG	Central City, NE
Sept 4	CAF open House Fly-in (B)	Council Bluff, IA

## POKER RUN

Anybody know the results of the poker Run?

Can you help with **Young Eagle Education at Oshkosh**. If you have some spare time please contact Bob Meder at 468-8898 to volunteer.

### Proposed AD would require Rotax crankcase inspection

(from AOPA epilot)

The FAA has proposed an airworthiness directive (AD) for certain aircraft equipped with Rotax 912 A series engines that would require the inspection of crankcases for cracks and replacement of the crankcase if cracks are found.

The proposed AD results from a similar directive issued by the European Aviation Safety Agency (EASA) because of reports of cracks in the engine crankcase. The FAA estimates it would affect 60 products of U.S. registry. It would apply to all versions of Bombardier-Rotax GmbH 912 A, 912 F, and 912 S series engines; see the AD for a list of affected aircraft.

The AD is intended to prevent a sudden loss of power that could lead to a hazardous situation in a low-altitude phase of flight, the proposal states. Operators would be required to follow instructions laid out in Rotax Aircraft Engines Service Bulletin SB-912-029 R3. Pilots may comment on the proposed AD online under Docket No. FAA-2010-0522.

### New Automatic Dependent Surveillance – Broadcast (ADS-B) Rule

On May 27, 2010, the FAA published new rules (contained in 14 CFR §92.225 and §91.227) mandating airspace and avionics performance requirements after January 1, 2020. The avionics perform a function that is generally known as “ADS-B Out” which transmits precise location and other information about the aircraft to ground stations and other ADS-B equipped aircraft.

The ADS-B rule mandates ADS-B Out avionics performance when operating within the designated airspace, giving aircraft owners approximately 10 years to equip.

The ADS-B rule, like current transponder operating requirements, requires operators to have ADS-B Out avionics installed and operating in order to fly their aircraft in the busiest airspace, as described below:

- Class A, B, and C airspace.
- All airspace at and above 10,000 feet MSL (mean sea level) over the 48 contiguous United States and the District of Columbia.
- Within 30 nautical miles of airports listed in 14 CFR §91.225, from the surface up to 10,000 feet MSL.
- Class E airspace over the Gulf of Mexico from the coastline of the United States out to 12 nautical miles, at and above 3,000 feet MSL.

FAA Technical Service Orders (TSOs) describe the equipment approved for ADS-B operations. The ADS-B rule states that avionics must meet the standards of either TSO-C166b (for 1090ES link equipment) or TSO-C154c (for UAT link equipment). TSO-C166b is required in Class A airspace and either link can be used in all other airspace.

For more information about the FAA's ADS-B program, visit [www.adsb.gov](http://www.adsb.gov).

**EAA Chapter 80**  
May 10, 2010  
**Official Meeting Minutes**

The meeting was called to order by President Jim Ratte at 7:00 PM. Meeting was held at Hanger One, Millard Airport, Omaha, NE.

- Jim Ratte, President
- Bill Stromenger, Vice President,
- Don Meyer, Secretary
- Ed Haffke, Treasurer.

**Treasurers Report:**

- Motion to accept passed.

**Meeting Minutes:**

- Motion to accept passed.

**Young Eagles:**

- Kathy has had business cards printed with YE dates for 2010.
- Next event May 22, CBF 9:00 am

**Builder's Reports:**

- TW (Tom Wieduwilt) has 25 hours on aircraft, needs 40 hours so TW can fly it.
- Kevin Farris RV-7 is back from paint shop. Looks fantastic!
- Chris Halfman working on his RV-7. The tail wings and aft fuselage are done.

**Tech Counselor / Flight Advisor:**

- Lowrance is out of aviation GPS business

**Fly-Out Report:**

- Planning spring fly-out/poker run, a summer chapter picnic and a fall poker run.

**Social Coordinator:**

- Poker run on May 29 @ Wahoo hanger. Pilot meeting at 9:00 first plane off at 10:00. Lunch will be after last plane returns.
- Chapter picnic late summer, maybe late August.

**Old Business**

- Discussed what chapter members would like regarding format for membership directory.

**New Business:**

- A memorial for Bill Duran former president of chapter 80 will be held on June 5, 2010.
- Mike Howard pointed out the need for a maintenance day for the Wahoo Hanger. Need to replace some windows and a door. Windows are an odd size, anyone that could help locate windows to fit a 44"x46" opening please contact Mike

**Librarian Report:**

- None

**Membership Report:**

- Updated information now on computer.

**Tool Report:**

- Engine hoist in Ronye McKay's hanger                      Trailer: AHQ                      Scales: TW
- Jacks: Ron Wood                      Brake Bleeding Set: Ron Wood                      Grills: At AHQ

**Web Site:**

- [www.eaa80.org](http://www.eaa80.org)

**Program:**

- Andy Alexander, retired Army Ranger, gave a presentation on the August 25, 2010 plans for a night to honor all Vietnam Veterans at Rosenblatt Stadium.
- Bill Stromenger shared a webinar from the EAA that featured an interview with Sully Sullenberger and Jeff Skiles, Pilots of the US Airways flight that landed in the Hudson River. They discussed their experience and how they were able to land the plane without any casualties.

Meeting adjourned.

Don Meyer  
Secretary

Call Ron Wood if you **need a plane to fly** or are looking for a less expensive way to fly. He is selling his Cessna 150 for \$17,000. Contact him at 402-333-7160 or [rwood90641@aol.com](mailto:rwood90641@aol.com)

Larry Geiger has bought a **dynamic balancing unit** and is willing to help members (for a reasonable fee) to dynamically balance their experimental aircraft. If interested give him a call at 402-430-6977.

For sale **1/4 ownership in a 1956 Cessna 172** four seat plane. Aircraft is hangared at Millard-(MLE). Aircraft has an STC for auto-gas. Share cost is \$7500.00, hourly rate is \$25.00 dry. Hangar rent (\$150.00 a mo.) and insurance (\$750.00 approx.yr.) are shared between 3 owners (for now). An ideal trainer/first aircraft or time builder. If interested, call Ken Bahr at 402-559-0133

For sale a 3hp sears **air compressor** for \$150. 240 volt. and a small glass bead **cabinet for cleaning** metal parts or aircraft spark plugs.\$50. Call Tom Wieduwilt at 734-6580 or [tewied@cox.net](mailto:tewied@cox.net)

1998 VAN'S RV-6 • FOR SALE • TT hrs Airframe 415 & Engine 415 SMOH, Lycomng O320E2D, Sensenich 70CM Propeller, Panel Mounted Lowrance AirMap 2000 GPS, RMI Engine Monitor, King Mode C Transponder, Valcom Nav/Com Radio, Electric Flaps, Electric Elev & Aileron Trim, Dual Brakes, VFR Day/Night, Hangared, Prof. Paint & Custom Interior -- Omaha, NE Contact (402) 598-6787 evenings. [broberts130@gmail.com](mailto:broberts130@gmail.com) See picture in the May 2010 Newsletter.



Experimental Aircraft Association -  
Chapter 80 C/O Hangar One  
12916 Millard Airport Plz.  
Omaha, NE 68137-4280



Members having fun at the Poker Run. I do not know who won, but these guys look like they came to have fun. Photos by Doug Humble