

# EAA CHAPTER 80 NEBRASKA IOWA



# News!

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[www.EAA80.org](http://www.EAA80.org)

## July 2014 Newsletter

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### What Will ADS-B Do For Me?

Kevin Faris gave the members a look at an important piece of the FAA's NextGen technology, ADS-B (Automatic Dependent Surveillance-Broadcast). ADS-B is the glue used to transform air traffic control from the current radar based system to a satellite based system. ADS-B uses GPS signals along



with aircraft avionics to transmit the aircraft's location to ground receivers. The ground receivers then transmit that information to controller screens and cockpit displays on aircraft equipped with ADS-B avionics.

ADS-B will allow pilots to see what controllers see; other aircraft in the sky around them. Pilots are also able to see and avoid bad weather and terrain. Temporary flight restrictions can also be received.

The improved accuracy, integrity, and reliability of satellite signals over radar means controllers will be able to safely reduce the mandatory separation between aircraft. ADS-B will provide greater coverage, since ADS-B ground stations are so much easier to place than radar. Remote areas without radar coverage, like the Gulf of Mexico and parts of Alaska, are now covered by ADS-B.

ADS-B is projected to cost approximately 40 billion although the GOA sees the

costs being much higher. Full ADS-B implementation is scheduled for 2025 with 2020 being the deadline for having the required avionics installed in the civil aircraft fleet. There is a wealth of information on the FAA website about the requirements, cost, current status of implementation, etc. Lots of reading material.

Please watch the youtube video below, **Gate to Gate** for a much more comprehensive understanding of ADS-B and what it will do for you.

<http://www.youtube.com/watch?v=ZX15tBHeC1E>

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### Next Meeting

The next chapter meeting will be held on July 14, 2014, 7:00 PM, Hanger One, Millard Airport. Hope to see you there. Program for the meeting is still under discussion.

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### Chapter 80 Meeting Minutes June 9, 2014

The meeting was called together by President Tom Mann at 19:00. Meeting was held in Hanger One, Millard Airport. There were 43 members present and 3 guests.

- **Minutes:** Motion to approve the minutes from previous meeting was placed, seconded, and passed.
- **Treasurers Report:** Treasurer presented his report. A motion to approve was placed, seconded, and approved.
- **Membership Coordinator:** Nothing new to report.
- **Tool Committee:** All tools accounted for.
- **Young Eagles:** Rally held May 17, 2014, Flew 24 kids and two adults. Next rally planned for June 21. Will be looking for ground support help.
- **Tech Counselor / Fly-Out:** Nothing to report.
- **Flight Advisor:** Nothing new to report.

- **Social Coordinator:** TW planning for possible picnic event in August, maybe include young eagles rally.
- **Builder Reports:**
  - Chris Halfman still working on RV7A..
  - Mike Howard's RV-12 is ready to fly..
  - Tom Mann is still working on the Velocity.
  - Josh working on his RV - 14.
  - TW working on the Bearhawk, brought a metal sample.

A member described to us an engine failure he experienced on his gyrocopter.

- **Old Business:** Brake and shear which was newly acquired will stay where they are in Hanger One. Omaha Airport Authority responded to our request for a storage space at the end of one of the T-Hangers. The price would be \$80 / month and will be held to the same strict restrictions as exist for the T-Hangers.
- **New Business:** No new business.

Raffle was won by Kevin Marking.

**Announcements:** Dan from Central Cylinder, had an unfortunate accident about a month ago and is recovering at home now. Our prayers are offered for his full and prompt recovery.

Program was Kevin Faris enlightening the members about NextGen and ADS-B and what it means to us.

Next Meeting July 14th, 2014, 7 PM

Meeting adjourned at 20:07.

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

Secretary, David Silchman

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### Interesting Videos

<http://vimeo.com/89526883> (Jim Rush)

<https://www.facebook.com/photo.php?v=10201870505357473> (RManarin)

## PIREPS

### Nebraska Department of Aeronautics

York Airport (JYR) EAA Chapter 1055 Fly-In breakfast (free with donation) on the 1st Saturday of every month, 8:00 - 10:00.

Crete Airport (CEK), EAA Chapter 569 Fly-In breakfast on the 3rd Saturday of every month, 8:00 - 10:00.

Seward Airport (SWT), Midwest Aerobatic Club has regular meeting on 3rd Saturday of the month..

July 11 thru 13 - Tarkio Airshow in Tarkio, Missouri  
July 12 & 13 - Wayne (LCG), Fly-In breakfast & chicken show

July 13 - Norfolk (0FK), Fly-In breakfast from 7:00 am to 10:00 am. PIC eat free. Sponsored by EAA 918, for more information contact Bill Squire at 402-841-5567.

July 19 & 20 - Defenders of Freedom Open House and Air Show will return to Offutt.

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### EAA SportAir Workshops

**EAA SportAir Workshop:** Waco, TX, Aug 23 - 24, 2014.

**EAA SportAir Workshop:** Dallas, TX, Sep 6 - 7, 2014.

Come and gain the knowledge and hands on experience you need to see your dreams take flight.

Course offered in Waco: **Van's RV Assemble**, 2 days, \$349/389\*.

Courses offered in Dallas: **Composite Construction**, 2 days, \$349/389\*.

**Fabric Covering:** 2 days, \$349/389\*.

**Sheet Metal Basics:** 2 days, \$349/389\*.

**Electrical Systems & Avionics:** 2 days, \$349/389\*.

**What's involved in Kit Building:** Evening, \$25/25.

(\*member/nonmember)

For workshop info, go to:

<http://www.sportair.com/workshops/> and select the workshop you are interested in. E-Z pay is now available. Call SportAir hotline at 1-800-967-5746 to register.



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Tom Mann - Chapter 80 President  
Currently working on a Velocity



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