

# EAA Chapter 648

Longmont, Colorado 80503

Our next meeting is on Saturday, September 10th, 2016, beginning around noon and lasting into mid-to-late afternoon, held at the former property of Earl & Barbara Bolton in Eldora, just west of Nederland. Directions are in the body of this newsletter.

**September**

2016

[www.648.eaachapter.org](http://www.648.eaachapter.org)

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## Editor

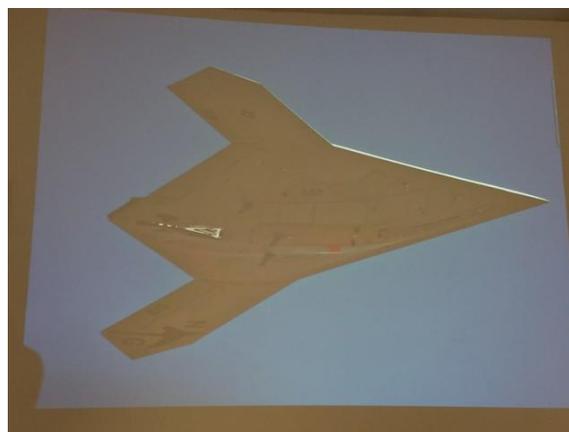
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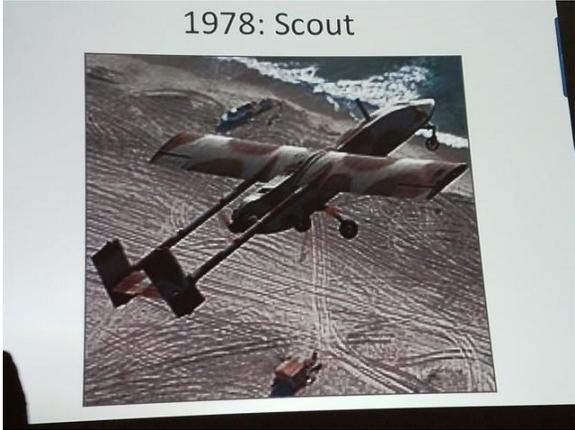
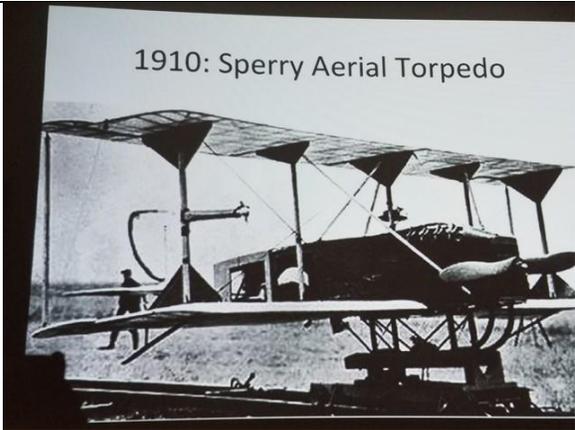
## August Meeting Photos:



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is this thing on?

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## August Program:

### *Unmanned Air Systems (UASs) History and Future Challenges*

We are in the midst of an explosion in the development and use of Unmanned Air Systems (UASs) or drones for military and commercial purposes. Rick Brennan presented a program on the history and use of unmanned vehicles going back into the 19<sup>th</sup> century. This was an excellent program of interest to pilots, model airplane enthusiasts and ordinary citizens. Also had some interesting comments and discussion on what's needed to operate a model airplane under remote control. Thanks, Rick, for a very interesting program on a subject that not many of us know much about and will become a larger part of our aviation paradigm in the future.

## A Message from the President

January 1, 2020 seems like a long way off but it's going to come faster than expected and hopefully Chapter members with airplanes will be prepared for the ADS-B requirement. At the seminar at KBJC a week ago, the Garmin representative presented an interesting set of numbers. If the requirement is not delayed, and knowledgeable individuals seem to think it won't be, the number of airplanes needing to be updated and the number of qualified shops in the nation that can do the work means that each shop, on average, will need to complete around 40 upgrades a week. Non-TSO'd solutions for experimentals should not be a problem and I'm sure many of us are holding off waiting for a more favorable costs to implement ADS-B capabilities. We had an interesting presentation a few months ago on picking up signals of other airplanes in the area and displaying the information on an iPad or similar device, and now we need to hear about options relating to the FAA mandate. Anyone with information,

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opinions, or ideas on this subject is invited to talk about it at our meetings, help arrange a program, or send in information for publication in the Chapter newsletter.

Dick Socash  
President, EAA Chapter 648

## **NEWSLETTER QUIZ**

Each month, we will ask a "question" in the newsletter. Answers are given at the meeting referenced in the newsletter. At the end of the year, there will be a prize to the person who has the most correct answers. Some will be easy and some difficult.

**August Question:** A piston is positioned top dead center and the cylinder is pressurized. A moving air sound is heard at the breather pipe exit point. What does this indicate?"

**August Answer:** A cylinder can leak air at the intake valve, the exhaust valve, or from around the rings. Leakage around the rings will enter the sump and exit out the breather pipe.

**September Question:** What is the difference between an "Impulse Magneto" and a "Non-Impulse Magneto?"

## **Upcoming Event (September Program)**

### **Annual Chapter Picnic: Saturday Sept 10, 2016**

September is our month for the annual picnic in Eldora at the ex-home of Earl and Barbara Bolton. It is scheduled for Saturday, September 10<sup>th</sup> and will begin around noon and go for a few hours in the afternoon or until food, drinks, and conversations run out. To get to the picnic, take the road out of Nederland heading toward Central City. A short way out of town there will be a sign for Eldora and a road off to the right. Proceed on this road past the High School and into the town of Eldora. Watch for the Chapter EAA banner on the left side of the road. When you see it, you've arrived. The Chapter will furnish drinks, ice, and set-ups. Bring your choice of main course to grill and a dish to share with the group. Note: Last year our drinks included soft drinks, water, juices, beer and wine, and we even had music. Plan on attending. Guests are welcome so bring along that special person, friend, or fellow aviation enthusiast. For those that haven't attended a 648 picnic, please come this year. This is a

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chance to informally get together in a beautiful setting, enjoy good food, and get to know fellow members, spouses, and friends.

**Bob and Carol Leyner will be on a Navy Carrier and unable to attend, so will someone in the Longmont area who's planning on attending please bring the Chapter Banner.**

**Attention: I've been told Nederland and Eldora police monitor traffic closely so please watch your speed.**

## Other Items of Interest

### **AIRPLANE PICTURE(S) OF THE MONTH #26**

Another picture from Bill and Mary Mitchell's collection. I confess, I have no idea what this is. I'm sure the Cessna sign is not relevant. Bill and Mary Mitchell are in the picture and I will let them explain what the vehicle is.



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Editor's Note: The aircraft/car pictured above is called the Aerocar, designed and built by Molt Taylor of Longview, WA. As mentioned in an earlier newsletter, while living in Tacoma in the late 70's, I had the privilege of meeting Mr. Taylor and discussing both his Aerocar and another of his designs I was considering building, the Mini-Imp. It was a mid-engine, driveshaft-powered pusher with an inverted v-tail, made from paper and resin. Quite advanced for its day, but never became available. It will be interesting to hear Mary & Bill's story regarding the aircraft in the photo. Doug

ANYONE WHO HAS A PLANE AND HAS NOT SUBMITTED A WRITE-UP AND PICTURE(S), PLEASE DO SO. THESE ITEMS FORM AN INTERESTING ADDITION TO OUR NEWSLETTER.

## Member Activities:

Looking forward to reports and pictures from visits to Oshkosh's AirVenture events.

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**To members, friends and aspiring authors.** Get published! Send in Your Newsletter Items: **DON'T FORGET!!!** We need to get submissions from the members to include in future newsletters. I'm starting to run out of ideas and lies!! Let's hear from you!! Need "Plane of the Month", trip reports, technical tips, hangar tales, "beautiful planes", and aviation slanted "fish stories." NOTE: To all who have sent in articles. **THANK YOU!!**

## Chapter Officers:

- **President:**
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- **Newsletter Editor:**
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