

# EAA Chapter 648

Longmont, Colorado 80503

Our next meeting is on Monday, April 10th, 2017, at 7pm. The meeting will be held at our usual venue, the Colorado Classic Aircraft office of Carol & Bob Leyner, located on the north side of the Longmont Airport.

**April**

**2017**

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

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**Editor**

Doug Sykes

720-684-8699

[taildragers4cd@hotmail.com](mailto:taildragers4cd@hotmail.com)



March Meeting Photos:



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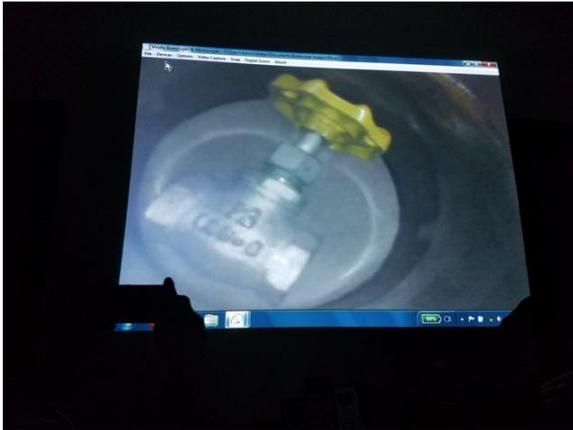
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the above are two views of a valve in a cylinder as seen from a borescope...



is this about over?

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## **March Program:**

Our March program was a technical demo/presentation and a video. Mike Gugeler brought in two borescopes and both videos and still photos taken with these devices. Priced anywhere from thousands, hundreds, and down to the thirty-dollar range, these devices allow for detailed inspection inside of hard to view or reach areas like cylinders and inside main engine areas. Current technology allows these devices to create visual logs of inspections. An interesting comment regarding oil analyses was discussed. A single oil chemical analysis is like a single blood pressure test. It may be a good indicator or it may be a bit of an anomaly. Best to maintain a series of any tests or examinations over time to detect immediate conditions and also trends. The borescope priced in the \$200 range had an interesting feature allowing the tip to be angled 180 degrees to look back on itself, essentially allowing for viewing in all directions. It's been suggested that the Chapter purchase one of these devices for use by members.

Our video presentation was a short introduction to a new experimental offering by Belite Aircraft on their new lightweight corrugated aluminum airplane.

Our appreciation to Mike and Haiko for the presentations.

## **A Message from the President**

If you are looking for company going to Oshkosh or looking for a ride to share, keep the Chapter posted. It's always fun to have company and sharing expenses is an added benefit. Let Doug or Dick know about your ride request or offer and we'll get it discussed and published.

We're getting close to formalizing our tool loan program which will be available to paid-up members of the Chapter. Doug Sykes will be coordinating the program which allow members to list tools or items they would be willing to loan on a short-time basis to other Chapter members. This would also include Chapter-owned items. Members will deal directly with each other, and the general guidelines are, "Return the tool on time in equal or better shape than when it was loaned out."

*Dick Socash  
President, Chapter 648*

## **NEWSLETTER QUIZ**

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Our next meeting is on Monday, April 10th, 2017, at 7pm. The meeting will be held at our usual venue, the Colorado Classic Aircraft office of Carol & Bob Leyner, located on the north side of the Longmont Airport.

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.

**March Question:** Cylinders can leak due to a bad intake valve seat, a bad exhaust valve seat and around the rings. How does one quickly check for these three possible leakage sites?

**March Answer:** With the cylinder pressurized, listen for a hissing sound indicating escaping air. An intake valve leak will cause air to escape from the air induction inlet port (air filter area). An exhaust valve leak will cause air to escape through the exhaust system, and leaking around the rings will cause air to escape through the breather pipe or oil filler tube.

**April Question:** Suppliers will often offer several different brake fluids in their catalogs. What is the primary difference between these different types?

## **April Meeting:**

I've been trying to coordinate with Brett Godfrey for a presentation on his experience with a double engine failure at night over the mountains. We're still trying to work out a schedule. He may be our April program, otherwise we'll show the film Haiko has on icing considerations put out by government aviation agencies, NASA, FAA, and AOPA.

## **New Idea for our Meetings**

Phil Brown came up with an excellent idea for a regular item in our usual meeting agenda. His suggestion: add a spot in the evening agenda for members to voice a question or thought. Two minutes max, even one minute, would suffice. But open the meeting to the floor, formally, at some point. Thanks for listening!

## **2017 Dues Due!**

Don't forget. If you have not yet paid your 2107 dues, please see Haiko at the meeting or contact him at [Heritmail@AOL.Com](mailto:Heritmail@AOL.Com). To all members, thank you for your support.

## **Other Items of Interest**

### **AIRPLANE PICTURE(S) OF THE MONTH (#34)**

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*NOTE: Even if your airplane was included in an earlier newsletter, don't hesitate sending in another/different picture. We'll keep showing these classics, but I don't want to squeeze out member photos. Dick*

Here's another of Bill and Mary's Pictures of Classic Airplanes. This looks like a Great Lakes but we'll need Bill Mitchell to verify that. I'll take a wild guess and say I think that's Bill in the cockpit. We'll get an update at our meeting.



**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**

**The following link**, provided by Steve Beach, will take you to an FAA website to make an easy search for notams. Thanks, Steve

<https://notams.aim.faa.gov/notamSearch/nsapp.html#/>

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Also from Steve Beach regarding aviation spark plugs:

## **Continuing Spark Plug Education**

As a follow-up to Connie's good primer on spark plugs here are two places that you can go to further your understanding about plugs and what can and has gone wrong. I have been following Mike Busch and his studies of plugs for a few years. Last year when the Mooney was due for new plugs, maybe overdue, I followed Mike's advice and bought Tempest. The engine now starts better and runs smoother. Of course some of that could be a perception thing to justify the cost of the new plugs.

Nevertheless, the first link below will take you to EAA's webinar on spark plugs that Mike gave back in September of 2012. He points out the issues that he had discovered through the years that led to a determination that Champion plugs had a problem. This is not a short video but very enlightening.

Dave Shenk put me onto the second link which takes you to an article written by Mike in March 2015 for AOPA. It is a follow-up to his earlier webinars and articles that collaborates what he has been saying for years. Champion did in fact finally discover a flaw in their design and has quietly changed to a plug that looks almost identical to the Tempest. If you don't have time for both I would recommend reading this article.

EAA Webinar:

<http://www.eaavideo.org/video.aspx?v=1826468805001>

AOPA Article: (Thanks to Dave Shenk for discovering this article)

<http://blog.aopa.org/opinionleaders/2015/03/19/champion-from-denial-to-acceptance/>



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## 2017 Dues Due!

With the start of the New Year, our annual membership dues are once again being collected for the Chapter's ongoing fund. Also, related to dues, at the end of April, the Chapter's Tool Loaner List will be made available to all paid members. To all members, thank you for your support.

An engine search by a **Pueblo Chapter** member:

*I am looking for a mid-time Continental O-200A or D (100hp), with FWF if possible, mags, carburetor, key starter, alternator, fuel pump, heat box, exhaust, carb heat box. It needs to have log books and its history. It will go on a Zodiac CH 601 HDS that I am building.*

Jon Fredricks, EAA Chapter 808  
Pueblo West. CO  
719-547-7537  
[WA9SBX@aol.com](mailto:WA9SBX@aol.com)

## Young Eagles

No action has been taken regarding restarting our Young Eagles Program. The intention is to talk to Chapter 43 in the coming months to learn what their experiences are with regards to the new regulations.

**Also, if you get time, send a note to Bill Truax. His address is:**

Crown Crest of Parker  
Room 313  
9398 Crown Crest Road  
Parker, Colorado 80138

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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!!**

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## Chapter Officers:

- **President:**
  - Richard Socash      303-499-3169      [rege.so@gmail.com](mailto:rege.so@gmail.com)
- **Vice President:**
  - Bill Mitchell      303-427-4025      [billyav8r@yahoo.com](mailto:billyav8r@yahoo.com)
- **Secretary:**
  - Connie Socash      720-890-7763      [csocash@hotmail.com](mailto:csocash@hotmail.com)
- **Treasurer:**
  - Haiko Eichler      970-344-4599      [heritmail@aol.com](mailto:heritmail@aol.com)
- **Tech Counselors:**
  - Bill Hannahan      303-618-7921      [wfhannahan@yahoo.com](mailto:wfhannahan@yahoo.com)
  - Doug Sykes      720-684-8699      [taildraggers4cd@hotmail.com](mailto:taildraggers4cd@hotmail.com)
- **Newsletter Editor:**
  - Doug Sykes      720-684-8699      [taildraggers4cd@hotmail.com](mailto:taildraggers4cd@hotmail.com)
- **Flight Advisor**
  - Bill Mitchell      303-427-4025      [billyav8r@yahoo.com](mailto:billyav8r@yahoo.com)

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