

# WIND IN THE WIRES



The Newsletter of Chapter 26, Experimental Aircraft Association ❖ Seattle, WA ❖ Volume XXXI No. 1 ❖ January 2023

## President's Letter

A few months ago, Mark Owen gave a presentation about alternators and how they work and how to test them. Little did I know at that time that I would be dealing with a low voltage light that would keep me tied up with an electrical issue and on the ground since Thanksgiving. Of course this kept me from flying in the cold rain, snow, ice ... bad weather. However, I was able to fly the little Cessna a few times for practice, but it is best if you fly the Falco weekly to stay ahead of it. This month the program, or at least a good discussion, will be the saga of trying to troubleshoot an intermittent electrical problem. I was just about to seek the advice of **Jack Daniels**, but not quite ...!

The Aviation Trade Show in Puyallup is coming up next month. The weather should be getting better so people can get ready to fly and travel.

See you Thursday at 7:30.

~Dave

(Continued on page 2)

*This month:*

***Troubleshooting  
Intermittent Electrical  
Problems***

*By Dave Nason*

***IN PERSON AT BOEING  
FIELD***

***Thursday @ 7:30***

Terminal  
Building at  
Boeing Field  
7259 King County  
Airport Access Rd,  
Seattle, WA 98108

Second Thursday  
At 7:30 PM

## President's news (Continued)

## 2022 OFFICERS

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## Weird experimental aircraft



## EAA Webinars

**1/18/23 7 p.m. CST**

### **Engine Dehydration: Cheaper Than an Overhaul! By Matthew Dock**

Corrosion is possibly the greatest cost to aircraft owners. Most aircraft owners don't realize that the relentless impact of long-term corrosion could require a premature and expensive engine overhaul or even scrapping. There are direct correlations between humidity and corrosion rates and between corrosion and engine wear. Even when ambient humidity doesn't feel uncomfortable, the humidity level inside your engine can accelerate costly corrosion. This webinar will discuss techniques, procedures, and equipment that can reduce corrosion inside aircraft engines. Matthew Dock is a registered professional engineer, aircraft owner, and A&P/IA mechanic.

**1/23/23 11:30 a.m. CST**

### **Building an Aircraft — What You Need to Know By Charlie Becker**

This presentation will go beyond the actual building process to educate you on the FAA rules that apply to building your own aircraft, as well as insurance, liability, the repairman certificate, and much more. Join EAA Homebuilt Community Manager Charlie Becker to learn the things every builder should know about building your own aircraft.

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**1/23/23 2:30 p.m. CST**

### **TIG Welding By Charlie Becker and Earl Luce**

The ability to make aircraft quality welds opens up many aircraft designs for the homebuilder. TIG (tungsten inert gas) welding works well for building aircraft-quality parts. Charlie Becker and Earl Luce will cover the advantages TIG welding. Qualifies for FAA WINGS and AMT credit.

**1/24/23 11:30 a.m. CST**

### **Composite Construction Basics By Mark Forss**

Learn the basics of how to work with composites in aircraft construction projects. EAA's Mark Forss will share what you need to know to be successful. Qualifies for FAA WINGS and AMT credit.

## EAA News

### Funding Legislation Supports GA's Progress Toward Lead-Free Future

Work toward an unleaded aviation fuel received financial backing in the federal budget as Congress approved and President Biden signed comprehensive legislation that funds the executive branch for fiscal year 2023. The bill recognized the collaborative industry-government effort to move general aviation to a fleetwide, lead-free fuel solution by including \$10 million for continued unleaded fuel testing and evaluation.

In February 2022, aviation and petroleum industry leaders and the FAA established the joint EAGLE ([Eliminate Aviation Gasoline Lead Emissions](#)) program, focused on safely eliminating the use of leaded aviation fuel by the end of 2030 without adversely affecting the safety and operation of the existing piston-engine fleet. The funds allocated by Congress will support the EAGLE partnership and may be used to expedite fuel testing and evaluation for safe unleaded fuels being assessed in the Piston Aviation Fuels Initiative (PAFI) program, leading to fleet authorization. Two unleaded 100-octane fuel candidates, those developed by Afton Chemical/Phillips 66 and LyondellBasell/VP Racing, are currently undergoing testing under the PAFI program, with both showing progress.

Additionally, the funds may be used for field demonstration programs for fuels that have received FAA type certificate (TC) or supplemental type certificate (STC) approvals. General Aviation Modifications, Inc's., G100UL fuel received authorization via the supplemental type certificate path in September. Swift Fuels expects to receive STC authorization of its 100R unleaded higher-octane fuel in 2023.

The general aviation industry and the FAA are committed to working together under the EAGLE banner to ensure that a transition to an unleaded fuel is done safely and smartly.

# 2023 Northwest Aviation Conference & Trade Show

**February 25 - 26 | Puyallup,  
WA**

Event Hours:

**SATURDAY** 9:00 AM - 5:30 PM |

**SUNDAY** 10:00 AM - 4:00 PM

**FREE Parking Blue Lot**

**ADMISSION** is \$10/day.

Event is hosted at the Showplex Exhibit Hall, Washington State Fairgrounds, Puyallup, WA. [Map & Lodging Info here.](#)

## **FAST TRACK |** Attending both days?

Save time and MONEY by purchasing a 2 DAY attendee lanyard good for SAT/SUN. [Purchase online with the link below](#) and pick up at the entrance in WILL CALL when you arrive. **FREE PARKING BLUE LOT.**

For over three decades the Washington Aviation Association has been pleased to present the **Northwest Aviation Conference & Trade Show** at the Washington State Fair Events Center in Puyallup, Washington.

This event has grown to over 75 hours of safety seminars and 122,000 sf of aviation displays with an annual attendance of over 10,000!

**There are dedicated interest tracks for mechanics, students, aviation careers, aircraft owners -and- of course - pilots!**

## **A Great Speaker Year for the 2022 Conference**

We were pleased to welcome an impressive line up of speakers at the 2022 Conference in February. Seminars for aircraft owners, pilots, students and those who just like to enjoy beautiful photos or historical greats! Thank you to all the amazing contributors who have volunteered their time to participate in the event.





# NEWSLETTER



Chapter 26

EXPERIMENTAL AIRCRAFT ASSOCIATION

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The Newsletter of EAA Chapter 26

