



THE SPIRIT OF AVIATION

# Chapter 1612

May 2024

Newsletter

Volume 6 - Issue 5



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# EAA Chapter 1612 Newsletter



DAVID J. PERRY AIRPORT (1K4) GOLDSBY, OK

## From the Front Seat—President Eric Muehlberg

Our chapter's first Fly-in/Drive-in breakfast at the David J. Perry Airport was a big success. With over 75 folks attending we raised over \$500.00 in gross receipts toward our scholarship fund. Much of that success is attributed our chapter volunteers and especially to Larry and Millie Arnold's planning and preparation prior to the breakfast. This month's breakfast will start at 0800 and conclude at 0945 allowing us time to reconfigure the room for our regular chapter meeting which begins at 1000. If you would like to volunteer at the breakfast the show time is 0700.

Our Young Eagle Coordinators and pilots will again conduct Young Eagle flights during the breakfast. We flew 13 young Eagles last month and have several students from the Mustang and Lexington High School Aviation programs scheduled to attend this month. So come out and participate in all the fun and conversation prior to the meeting

Through a lot of hard work and perseverance on the part of Columbus Nobles we now have a Chapter 1612 Patch. It was made available for the first time at our April meeting. The patch is 3 inches in diameter and is incredibly detailed for its size. Of the 100 ordered 25 were sold at the meeting. If you would like to obtain one or more the price is \$7.00 per patch and they will be available again at the meeting from Columbus.

As many of you know I attended the EAA Chapters Leadership Academy at Oshkosh last month. Presentations by Jack Pelton, Rick Larsen, Charlie Becker, John Egan and the Chapter staff were informative and targeted to chapters and their members. Following the Academy I then attended the annual on site meeting of

the EAA Chapter Advisory Council (CAC). A number of initiatives and ideas were discussed among the attendees and EAA staff during the meetings. While at these meetings it wasn't all work and no play as we were allowed to tour the Weeks Hangar, the Sonex factory and other EAA facilities during the evenings. I will brief the chapter on some of the topics presented at this month's meeting and show some photos of the facilities we visited.

On a final note during the meetings at Oshkosh the chapter was finally able to secure the status of an IRS 501c3 Non Profit Corporation. Working with Patti Arthur, J.D., LL.M. (Tax) and Director and General Counsel for the Ray Foundation we were able to successfully complete the documents required to apply and gain the IRS 501c3 status for the chapter. This is an important status that will allow the chapter to receive donations and in many cases provide tax credit to the donating individuals and organizations.

This could mean significant income for chapter's aviation scholarships in the future.

Our next regular chapter meeting will be on Saturday 11 May at 10:00 am at the David J. Perry Airport (1K4) terminal building. We'll also have the usual VMC question and discussion, the "what is it" challenge, this month's EAA Chapter Video, an update from our Ray Scholar and a presentation or two that I'm sure you'll find interesting. Come out early and enjoy a great breakfast prior to the meeting and meet some new friends. So come out and enjoy a bit of aviation centered conversation and fellowship. Hope to see many of you this Saturday.

Tailwinds,

*Eric Muehlberg*



Aluminum Overcast

# Meeting Location

David J. Perry Airport (1K4) Goldsby , OK

This month's meeting is at the David J. Perry Terminal building (1K4) on 11 May 2024 from 1000-1130. The Chapter will supply donuts and coffee. If you have questions contact Eric Muehlberg at 405-923-6749 or smuehlberg@pldi.net.

## What If Drill...WACO Cootie 2

OK, this article is for Eric Muehlberg. Eric came to visit me in Dayton a few weeks ago and we went airport hopping. One of the stops was the WACO Museum in Troy Ohio where we saw the first WACO aircraft, the Cootie 1 replica. The Cootie's lifespan was very short as it was flipped during the initial landing with WACO chief test pilot Buck Weaver at the controls. Rather than build another monoplane, the WACO design team elected to build the Cootie 2 as a biplane and the rest is history for the Weaver Aircraft Company. So where am I going with this story? Well, Eric has always been interested in adding a biplane in his stable of aircraft and then came Bud Davisson's article on the Rose Parrakeet in this month's Sport Aviation started me thinking about crafting a Cootie 2 style LSA biplane. Here are my thoughts.

The original Cootie 1 had a 22-foot wingspan with 4-foot chord equaling 88 square feet of wing area and flew successfully on 28 HP. The Cootie 2 biplane had the same 22-foot wingspan for the top wing and a 20-foot span for the lower wing adding up to 168 square feet of area. I would keep the same wingspan dimensions; however, I would use the NACA 2412 airfoil like that on the Rose Parrakeet for performance and stability. I would use steel cable to brace the wings, like that found on the Fly Baby Biplane. Doing so would avoid expensive flying wires. Furthermore, I would add 6 inches to the length of the fuselage and 2 inches to the width to accommodate today's larger pilots. Construction would use the aluminum tube and gusset process as employed by Graham Lee (Nieuport replicas) or Robert Baslee (Aerodrome Aeroplanes) as this process eliminates the drawbacks of using glue or welding. Eric and I visited with a Nieuport owner at Moraine Airpark in Ohio, and he swore by the construction method for strength (he had 800 hours on his aircraft).

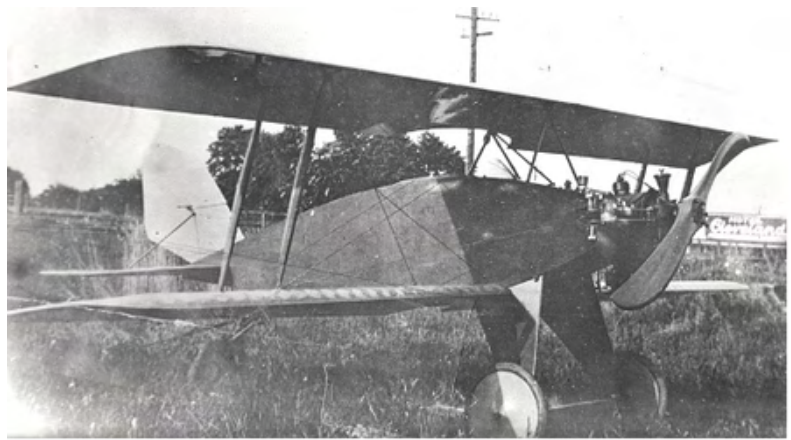
For power there are a few options. I would consider a Continental C-85; however, those are getting hard to find. The next option is the Verner Motors Scarlett VL5 of 60 HP or Scarlett 5S or 83 HP. If this is too pricey, which it would be, I would consider a Corvair

conversion from William Wayne. With any of these engines the estimated cruise speed would be 80 MPH with a range of 200 statute miles. That would be 2.5 hours of flying time with VFR reserves, which is more than enough time in a small airplane.

Overall, I believe it would be a fun little aircraft. Let Eric know what you think or drop me a text at 813-334-7309. Until then...

...keep 'em flying.

*Dennis D'Angelo*



## VMC Scenario of the Month

You are loading your aircraft for a cross-country flight and want the best performance from the aircraft. In this scenario should you load the aircraft with a forward or aft CG and why? What are the benefits and the drawbacks of the way you load the aircraft?



# What is it?

## April 2024 Aircraft

This is the F model of the B-17 – the B-17G was fitted with the nose gun turret. The Susie-Q was the first American Bomber crew to complete 25 missions. The Susie-Q flew its missions in the Pacific while the Memphis Belle was the first bomber crew to complete 25 missions in the European theater of operations. Information from the National Museum of the United States Air Force.



# Chapter Merch

Chapter 1612 T-shirts are now available in your choice of color and size. You can see an example in yellow. Price is \$20.00. We now also have chapter patches. Price is \$7.00 You can purchase either of these at your next chapter meeting.



## Tool Crib

Visit the Chapter 1612 website ([chapters.eaa.org/eaal612](http://chapters.eaa.org/eaal612)) to see the current list of tools in our tool crib and checkout policy



SCAN ME

**Chapter Socks Coming Soon.** We will be selling socks with the Chapter 1612 logo on them in the near future. The price will be reasonable. Be the first with your Chapter 1612 socks.

# Coming Events

## May

**4 May 2024** - Pauls Valley Hamburger Fly-in (KPVJ)

**5 May 2024** - Donuts & Coffee (Every Sunday) - 8-10AM Alva OK (KAVK)

**11 May 2024** - EAA 1612 Pancake Breakfast (1K4)

**17-18 May 2024** - Rod Trowbridge Memorial Fly-in (K50)

**24-25 May 2024** - Arklahoma STOL - Patriot Airpark



## July

**22-28 July 2024** - EAA AirVenture Oshkosh

## June

**1 Jun 2024** - Wings & Wheels Airshow & Car Show (KCHK)

**8 Jun 2024** - EAA 1612 Pancake Breakfast (1K4)

**22 Jun 2024** - Twin Lakes Airport BBQ 4:30PM (2OK2)



# Webinars

## EAA Webinars

These live multimedia presentations are informative and interactive, allowing the presenter to use slides and audio, while audience members can ask questions and be polled for their opinion.

### **System Requirements for Attendees**

You can easily attend a session from anywhere, anytime, using a compatible computer or mobile device! To get the most out of GoToWebinar, you can download and install the full-feature desktop software on your Windows and Mac computer.

See Download GoToWebinar for your download options. You can also check your system's compatibility automatically.

Some EAA Webinars qualify for credit in the FAA's WINGS or AMT awards program. Visit [www.faasafety.gov](http://www.faasafety.gov) for details.

## FAASTeam Webinars

The FAASTeam sponsors thousands of aviation safety seminars and webinars throughout the country each year. These interesting and informative seminars and webinars include a variety of important safety topics designed to reduce risk and increase the level of safety in aviation operations.

You can find these webinars at <https://www.faasafety.gov/spans/events/eventlist.aspx>

Visit [rb.gy/352l9](https://rb.gy/352l9)  
or scan the QR code below  
for a list of available webinars



# Chapter Pictures

## *EAA Chapter Leadership Academy*



Check the chapter website for more pictures and information

**1612.eaachapter.org**



# Ray Scholarship

## *Jayden's Update*

Over the past couple of weeks, my flight training has been a bit sporadic due to busy schedules and weather constraints. Despite these challenges, I managed to get up in the air twice, making the most out of each opportunity. One significant milestone was completing my first cross-country flight on April 23rd, navigating from Sundance (HSD) to Clinton Sherman (CSM). It was a nearly two hour flight and weather conditions were great. While progress to my solo has been a bit slower than I hoped, due to time restraints, I am confident it is right around the corner!! As high school is nearing its end, I am eagerly anticipating more free time to dedicate it to flying!



Check the chapter website for more pictures and information

**[1612.eeachapter.org](http://1612.eeachapter.org)**



# AIRCRAFT



Aircraft: 1978 PA38-112 PIPER TOMAHAWK

Engine: Lycoming O-235-L2C

Seats: 2

# \$34,900



- Stored in hangar
- Fresh Annual
- Lycoming O-235-L2C
  - TSMOH 2310(2400 TBO)
  - 7262 TTSN
- Skytec Starter
- SureFly electronic ignition
- Engine heater
- GT50 clock G meter
- AGM-battery

Contact Michael McCurdy  
(405-202-9941)



# Chapter 1612

## Meeting Minutes

13 April 2024



- 1000 Meeting called to order by President Eric Muehlberg
- Attendance: 41 members
- 82 breakfast attendees - \$575 donated
- 13 Young Eagles flown
- New chapter patches on sale
- VMC Question - 60/1 Rule (60 knots = 1 mile a minute)
- What is it discussion - B-17 Susie Q
- EAA Chapter video presentation
- Tool show and tell - rivnut tool from tool crib
- Aircraft project donation discussion
- Review of recent eclipse viewing party flyout
- 1130 Meeting adjourned



# Who is EAA and Chapter 1612?



We are the Experimental Aircraft Association (EAA) a growing and diverse organization of members with a wide range of aviation interests and backgrounds and a mission of growing participation in aviation to include antiques, classics, warbirds, aerobatic aircraft, ultralights, helicopters, and contemporary manufactured aircraft.

EAA and Chapter 1612 enables you to share the spirit of aviation with the most passionate community of recreational pilots, builders, and restorers. We are an association that offers the fun and camaraderie of participating in the flying, building, and restoring of recreational aircraft with the most passionate community of aviation enthusiasts. Come join use today!

**President**  
Eric Muehlberg  
405-923-6749  
smuehlberg@pldi.net

**Visit the chapter website at**  
**[1612.eaachapter.org](http://1612.eaachapter.org)**

## Chapter Leadership & Contacts

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# EAA CHAPTER 1612 MEMBERSHIP FORM



Name: \_\_\_\_\_

Phone: \_\_\_\_\_

EAA Member#: \_\_\_\_\_

E-mail: \_\_\_\_\_

Address: \_\_\_\_\_

Date: \_\_\_\_\_

What are your aviation interests / goals?

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Are you a pilot? If so, what rating do you hold?

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Do you hold a maintenance rating? If so, what rating do you hold? \_\_\_\_\_

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Have you built / restored or are you building / restoring an aircraft? If yes, what type(s)? \_\_\_\_\_

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Are you contemplating building or restoring an aircraft? If yes, what type(s) interest you the most? \_\_\_\_\_

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Do you own or have you owned an aircraft? If yes, what type(s)? \_\_\_\_\_

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What type of presentations would you like to see at future meetings? \_\_\_\_\_

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**Chapter Meetings are the 2nd Saturday**  
**Chapter dues are \$20**

*Chapter mailing address is:*  
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