



THE SPIRIT OF AVIATION

Chapter 1612

October 2023

Newsletter

Volume 5 - Issue 10



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EAA Chapter 1612 Newsletter



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

From the Front Seat—President Eric Muehlberg

We have had several great local aviation event opportunities over the last month. I hope everyone took the time to participate in few of them. At one such event several members of EAA Chapters 1098 and 1612 participated in the OKC 2023 Girls In Aviation Day event hosted by AAR, The Greater Oklahoma City Metro Chapter of the Women in Aviation International and many others on Saturday the 23rd of September. There were over 600 young ladies in attendance along with their parents and sponsors. Chapter 1098 pilots flew in 5 aircraft for display and members of both chapters manned our EAA information table. We had the opportunity to talk about the Young Eagle program, Ray Scholarships, the new AeroEducate program along with many other aviation related opportunities available to them as they stopped by our table. We also set up the “Cleco Challenge” to give them the opportunity to see how fast they could insert and remove 10 eighth inch copper clecos. The fastest time was 52 seconds by a young lady currently enrolled in the Aviation Maintenance program at the Canadian Valley Technology Center. No matter their time all receive one of the EAA Chapters Office’s “World’s Fastest Clecoer” badges. Everyone seemed to have a great time at the event and we look forward to attending next year’s event.

I made the trip again to Mexico, Missouri to attend the Annual Zenith Homecoming: Open Hangar Days & Fly-In Gathering held the 15-16th of September this year. Over 3 dozen Zenith aircraft flew in for the event with the high wing models dominating the flight line. There were numerous forums, presentations, hands-on workshops, factory tours, demo flights

and vendors of aviation related products all day long on both days of the event. A free Pancake breakfast prepared by EAA Chapter 944 of Chillicothe, MO was served both mornings of the event. The breakfast was sponsored by Wheels and Wings on Friday and Kitplanes magazine and Avemco on Saturday. Also a coffee bar with coffee, tea and all the fixings was provided both days compliments of K&S Aviation Services (Zenith transition training in the DFW area). Lunch was provided by several food trucks and EAA Chapter 944. Both evenings dinner was a large outdoor catered meal on the ramp followed by presentations, awards, door prizes and an evening bonfire. This is the type of fly-in where everything you need is available onsite. Even a bathroom with a shower is available 24 hours in the very nicely furnished terminal building. One of the really great things about the event is the opportunity to talk with fellow builders and exchange ideas and techniques. I’ll have to admit that I did “borrow” a few ideas that I saw incorporated on some of the completed CH 750 STOL aircraft. If your thinking of building a kit plane in the future, whether it is a Zenith or not, this homecoming is a great opportunity to learn a lot in a relaxed atmosphere.

As many of you may know the OKC Chapters did not fly the Young Eagle event the El Reno Fly-in and Airshow on 30 September. The chapter leadership from all three chapter felt that the gusty winds the mid 90 temperatures weren’t going to provide the positive experience we desire for our Young Eagle Rally attendees. We will attempt to work in a Young Eagle rally at El Reno later this year with hopefully better weather conditions.

The chapter T-shirt order finally arrived a few days ago. So if you ordered a T-shirt recently I will have them at available at the October meeting.

Our next regular chapter meeting will be on 14 October at 10:00 am at the David J. Perry Airport (1K4) terminal building. We’ll have the usual Chapter Video, the VMC question and discussion, the “what is it” challenge, and have a presentation or two that I’m sure you’ll find interesting. There will be hot coffee and donuts on hand. So come out and enjoy a bit of aviation centered conversation with friends new and old. Hope to see many of you this Saturday. Tailwinds,

Eric Muehlberg

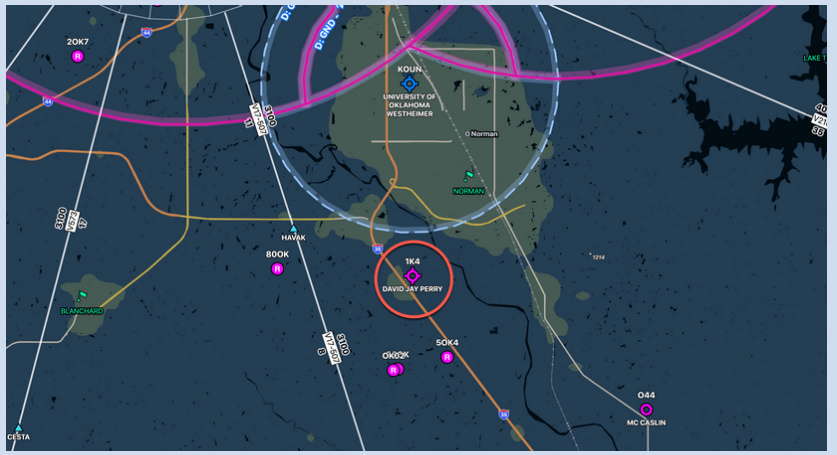


Row of Zenith's at sunset

Meeting Location

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

This month's meeting is at the David J. Perry Terminal building (1K4) on 14 October 2023 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...Stewart 265

Many of you may not be aware of a design by Don Stewart of Headwind and Foo Fighter fame called the 265. Don combined all the features of the aircraft he admired as a young boy into the 265, so the design is loosely based on a mixture of Ryan ST, Piper Cub, and Aeronca Champ. It is a low-wing, two-place side-by-side aircraft built to fly behind a small aircraft engine of 65HP (265 = 2 people + 65 HP); however, because of the scarcity of US aircraft engines in this power range, he used the Czech Mikron III engine of 75 HP. One example of the 265 was built, and Mr. Stewart stated that the aircraft cruised at about 90 MPH, stalled at 40 MPH, and handled very nicely. The engine burned 3.7 GPH which makes it very economical—especially with rising fuel costs. Don was concerned with people modifying the design, so he never developed plans and that is one of the reasons many of us don't know about the aircraft.

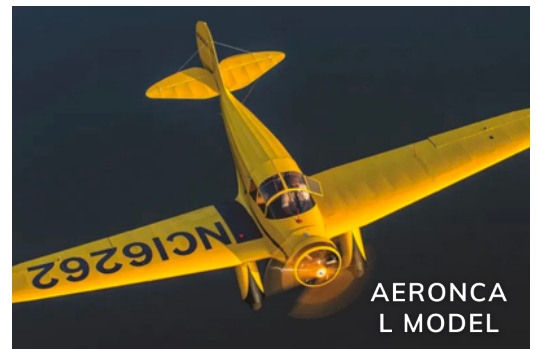
What if we took the Stewart 265 dimensions and the outline of the Aeronca LB as depicted by Paul Matt's drawing from the May 1969 American Aircraft Modeler magazine and designed our own 265? Unlike the Aeronca L, I would stick with Don Stewart's straight wing without any taper in chord or airfoil thickness. I would choose the NACA 4412 airfoil like other Stewart designs for good cruise speed, stable stall, and ease of building. For power, the Continental O-200 would be my choice as it provides ample power, and the engine is readily available in the USA. The wingspan would be 34 feet with a total wing area of 142 square feet. With the selected airfoil and wing area, the estimated top speed would be 130 MPH, cruise speed of 120 MPH, and stall speed 50 MPH while the 24-gallon fuel

capacity would enable a 400-mile range with reserves.

Overall, I believe the 265 characteristics mixed with those of the Aeronca L Model keeps the old-time look with good cruise speed and range of a more modern design. I guess the changes would make the aircraft a Stewart 2100 (two people + 100 HP)? Let me know what you think by sending an email to EAA48@aol.com.

Until then, keep 'em flying.

Dennis D'Angela



VMC Question(s) of the Month

You are flying to Clinton-Sherman airport for a fly in and landing behind a KC-135 that is part of the show. What steps should you take to avoid wake turbulence from the heavy jet landing ahead of you? At KCSM you will be landing on runway 17 which is 13503 feet long by 200 feet wide. The winds are 150 at 10 knots.



What is it?

September 2023 Aircraft

The “Cootie” was the Weaver Aircraft Corporation’s (WACO) second land-based aircraft—the designed team of Clayton J. Brukner, Harold C. Deuther, and Elwood J. “Sam” Junkin and previously developed a flying boat and a biplane known as the Scout. The Cootie was a high-wing parasol-type aircraft powered by a two-cylinder Lawrance A-3 engine of 28 HP at 1400 RPM. In February 1920, the “Cootie” was first flown by Buck Weaver (the Weaver in WACO) at the controls. Weaver flew the airplane around locally for about 20 minutes and the airplane flew very well. However, as Weaver came into land, one of the wheels settled into a frozen rut and he lost control and crashed. The airplane was badly damaged, and Weaver was badly injured as well. Work began on a second “Cootie;” however, was redesigned as a biplane. The airplane flew well but they were unsuccessful in finding a buyer.

Brian Meyers, a well-known Ohio aerospace engineer designed and built a replica of the Cootie from WACO Museum picture archives. He successfully flew the aircraft for 5 years before donating to the WACO Museum in Troy Ohio. The picture you see is of the Cootie as it hangs in the WACO Museum today.



Chapter Merch

Chapter 1612 T-shirts are now available in your choice of color and size. The t-shirt will have the small Chapter 1612 logo on the front left, and you may add one line of text under the logo. The back of the shirt will have a large chapter logo. Order forms will be available at the next meeting. Price is \$20.00



Tool Crib

Visit the Chapter 1612 website (chapters.eaa.org/ea1612) 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

October

21 Oct 2023 - Coffee & Donuts Fly-in - McKinney, TX (KTKI)
21-22 Oct 2023 - Cushing Fly In Fair - Cushing Airport, OK (KCUH)
27-29 Oct 2023 - Reklaw Fly-In 2023, Flying M Ranch, Reklaw TX (7TA7)

November

3-4 Nov 2023 - Lonestar STOL - Sulphur Springs (KSLR)
4 Nov 2023 - OAAA Fly-in and Car Show - Pauls Valley (KPVJ)
11 Nov 2023 - Fairview, OK Fly-in - Fairview Municipal Airport (6K4)
18 Oct 2023 - Coffee & Donuts Fly-in - McKinney, TX (KTKI)

December

Coming soon!

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 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

or scan the QR code below for a list of available webinars



Chapter Pictures

Zenith Homecoming



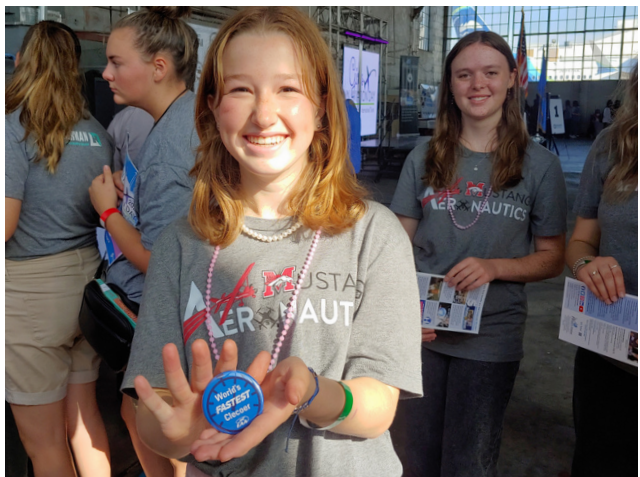
Check the chapter website for more pictures and information

1612.eeachapter.org



Chapter Pictures

OKC 2023 Girls In Aviation Day



Check the chapter website for more pictures and information

1612.eeachapter.org



Chapter 1612

Meeting Minutes

9 September 2023



- 1000 meeting called to order by President Eric Muehlberg
- Attendance: 30 members
- Jerry Calvert and Victoria Stevens are the 2023 Okie Derby Winners
- VMC Question of the Month: Navigating over Military Training Routes
- What is it? Waco Weaver Cottie
- EAA Chapter Video Presentation
- Discussion of Vans Aircraft laser cut and punched parts and review of examples in a PowerPoint presentation
- Coming events for September, October, and November reviewed from newsletter
- EAA Webinars Info reviewed in newsletter
- Westheimer Aviation Festival coming up on 23 September 2023
- Petit Jean State Park Arkansas Swap Meet & Fly-in on 6-8 October 2023



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!

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Visit the chapter website at
1612.eaachapter.org

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EAA CHAPTER 1612 MEMBERSHIP FORM



Name: _____

Phone: _____

EAA Member#: _____

E-mail: _____

Address: _____

Date: _____

What are your aviation interests / goals?

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

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

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

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

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

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

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

Chapter mailing address is:
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