



# EAA Chapter 1612 Newsletter



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

Volume 5 Issue 4

3 April 2023

## From the Front Seat—President Eric Muehlberg

The February meeting was another well-attended Chapter 1612 gathering of the membership. Besides our normal activities and presentations we were grateful to receive two generous donations to our chapter. First, Jay Burgess donated \$500.00 to the chapter to purchase additional tools for our chapter tool crib. Jay was very active during the duration of the Chapter 24 Kitfox project. The building bug must have bitten him because he is now building an RV-8 when he's not flying for Southwest Airlines. The second donation was made by Larry Hinton on behalf of the Goldsby 3rd Saturday fly-in/drive-in breakfast crew. Over the past few years this group has raised and donated several thousand dollars to support local youth aviation programs and activities. They donated \$500.00 to help our chapter continue our youth aviation outreach programs. Again, thank you Jay and Larry for your donations and support of our chapter programs.



Jay Burgess

I would like to welcome three recent new members to our chapter family. First, Steve Hubbert is a long-time pilot and aircraft owner/builder/restorer (C-140A, KR-2, SA100 Starduster, Thorp T-18, and many more) who recently moved to the Cole Airpark. Second, Joe Christian is a pilot with commercial, multi-engine, instrument, and sailplane ratings and also holds an Airframe and Power Plant certificate. Joe currently owns a Grumman American AA-5A Cheetah. Third, Luisa Leno da Costa is currently a student at the University of Oklahoma. She is a student pilot and an active R/C model builder and

pilot. Welcome to our family of aviation enthusiasts.

On March 29th the Tuttle High School held an Aviation Career Day. We set up a chapter display table and several chapter members (see photo section for more) talked with the students about our aviation youth programs and future aviation career opportunities. The most popular were the Young Eagle flights and scholarship opportunities. I expect to see several of them participating in our chapter programs in the future. Thank you to all who helped with this youth outreach opportunity.



A quick note of congratulations is due Tucker Barbee, an OKC area Ray Scholarship recipient who passed his Private Pilot checkride on March 28th in a Cherokee 140 at Sundance airport (see photo). We all celebrate your accomplishment and welcome you to the fraternity of aviators.



Tucker Barbee

If you haven't participated in the EAA Webinar program, here is the schedule for the month of April. I highly recommend giving them a try. I have learned a lot over the years by viewing them. All webinars are at 7:00 pm CST unless otherwise noted. Webinars are free, but registration is required as space is limited. You can also review any of the previous webinars. To register for one of the webinars go to: [Webinars \(eaa.org\)](http://Webinars(eaa.org))

4/11 - The History of Steve Wittman - Chris Henry.

4/12 - The Nine Principles of Light Airplane Flying - Rich Stowell.

### Inside this issue:

MEETING LOCATION	2
FUNKY FUN PLANE	2
VMC CLUB QUESTION	2
WHAT IS IT?	3
CHAPTER MERCHANDISE	3
EVENTS & STUFF-4-SALE	4
Chapter Pictures	5
Meeting Minutes Oct	6
Chapter Leadership	7
Chapter Application	8

4/18 - Planning for International Young Eagles Day - David Leitinger.

4/19 - VNAV and Visual Approaches: Helpful or Hidden Dangers - Gary Reeves.

4/26 - All About Flying to the Bahamas, Caribbean, & Cuba - Jim Parker.

Our next regular chapter meeting will be on 8 April at 10:00 am at the David J. Perry Airport (1K4) terminal building. We'll have the usual VMC question and discussion, the "what is it" challenge, this month's EAA Chapter Video, a presentation or two that I'm sure you'll find interesting. Dennis will make sure there's 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**

# EAA Chapter 1612 Newsletter

## Meeting Location: David J. Perry Airport (1K4) Goldsby, OK

This month's meeting is at the David J. Perry Terminal building (1K4) on 8 April 2023 from 1000-1130. Chapter will supply donuts and coffee. If you have questions contact Eric Muehlberg at 405-923-6749 or smuehlberg@pdi.net.



David J. Perry Airport (1K4)

## What If Drill...Full Size Bee

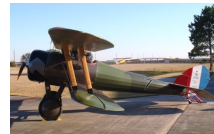
**“ FULL SIZE  
CLANCY LAZY  
BEE...PLEASE  
ALLOW ME THE  
FREEDOM TO  
THINK HOW ONE  
MIGHT  
CONSTRUCT  
SUCH AN CRAFT.  
“**

While you have this month's Sport Aviation magazine open, peek at Budd Davisson's "Shop Talk" starting on page 92 and his thoughts on scaling "up" an RC flyer into a full-scale aircraft. His example is on making the Clancy Lazy Bee RC slow-speed flyer into "funky non-conformist" fun full-size aircraft. Davisson mentions all the pitfalls of building such an aircraft; however, his allying call is that it can be done if "someone takes the Bee project to heart." Okay, while I am not suggesting that Chapter 1612 build such an aircraft, please allow



me the freedom to think how one might construct such an aircraft. Davisson suggests this needs to be a "clean-sheet" design, but I recommend starting with the Stewart Headwind as the basic airframe. The Headwind already has the shape of the Lazy Bee albeit a little smaller. The wings could be revamped to become cantilever which would require a deeper spar. I would change the Headwind airfoil from the NACA 4412 to a thicker 4415. Unlike the Lazy Bee, I would forego the dihedral wingtips and rudder-only turn control and retain the Headwind ailerons for 3-axis control. You may have to increase the size of the control surfaces by 5-10% to accommodate the slightly larger wing thickness and profile. The Headwind landing gear would remain; however, I would use the tires

and spoked wheels from the Aerodrome Aeroplanes Nieuport 17. For power I would use a Continental A-75 or Rotax 912 ULS (80 HP) with the optional 2.43 reduction gear (standard is 2.27) to spin a slightly larger diameter propellor. The Headwind has a limited fuel capacity, so I would place two 6.5 gallon tanks in the wings to help with the 4.5 GPH burn for the A-75 or extend the range based on the 3.25 GPH consumption of the Rotax. Covering would be uncertified polyester fabric painted with



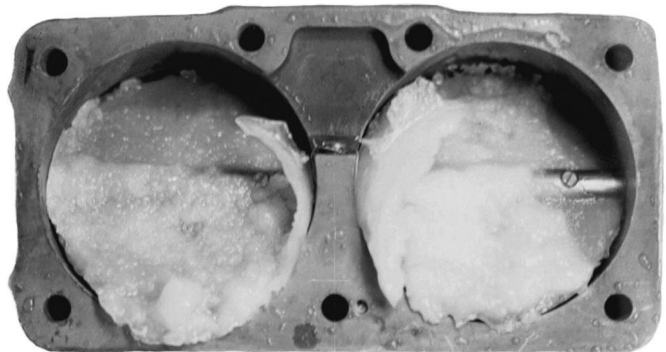
house paint as per the Weiner Dog Aero process. As for the extra windows on the Bee, I would simply paint them on the polyester covering. I estimate the performance of this modified Headwind would be comparable to the VW power original version—80 MPH maximum speed, 70 MPH cruise speed, and 300 FPM climb at gross weight. There you go. Tell me what you think at the next meeting.

Until then keep 'em flying.

dd

## VMC Question of the Month

Let's talk carburetor icing. What are the symptoms? When can you get carburetor icing—temperature and humidity levels? When are you most in danger of to getting carburetor icing? How do you clear the icing? Which aircraft engines are most susceptible to carburetor icing and why.



## What is it?



It is a Minicab. The Minicab is a two-seat light aircraft designed by Yves Gardan and built in France by Construction Aeronautiques du Bearn (CAB) in the years immediately following World War II. The Minicab is a conventional, low-wing cantilever monoplane with fixed tailwheel undercarriage, powered

by a Continental A65 engine. Its design was a scaled-down version of the aircraft that Yves Gardan had designed for SIPA, the SIPA S.90. The pilot and passenger sit side-by-side and access to the cockpit is via a one-piece perspex canopy that hinges forward. Gardan's intention was to produce a low-cost, easy-to-fly, easy-to-maintain aircraft.

Max speed on 65 HP was 115 MPH and cruise was 100 MPH.

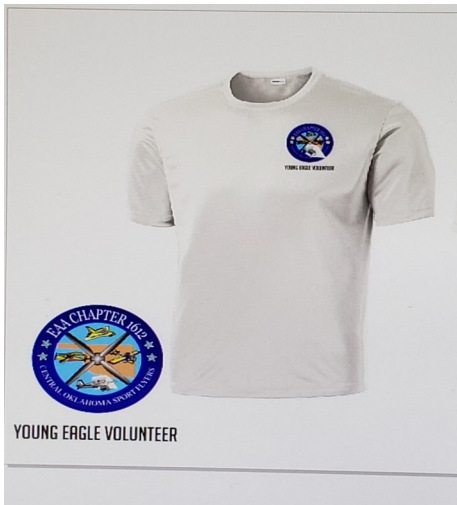


Here is the May 2023 "What is it?"

## Chapter 1612 Merchandise

Chapter 1612 T-shirts are now available in your choice of color and size. 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.

dd

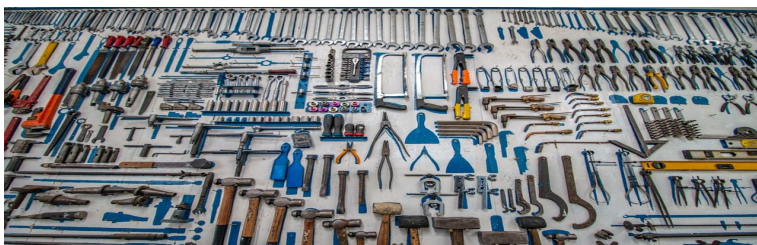


Chapter logo available full-size on shirt back



## Tool Crib

Visit the chapter 1612 website (<https://chapters.eaa.org/ea1612>) to see the current list of tools in our Tool Crib and checkout policy.





## Coming Events



**6 Apr 23**—Oklahoma Pilot's Association Monthly meeting. C.E. Page Building at Wiley Post Airport 1830-2100

**15 Apr 23**—Aviation Booster Club Fly- or Drive-In Breakfast 0800-1100 David J. Perry Airport (1K4)

**6 May 23**—Oklahoma Antique Aircraft Assoc. Lunch meeting. 1100-1300 Pauls Valley Airport (KPJV)

**6 May 23**—Ponca City Aviation Foundation December Fly-in/Drive-in Breakfast 0800-1000 Ponca City Regional Airport (KPNC)

**20 May 23**—Flying Start Program at the Gordon Cooper Vo Tech Center Shawnee airport 0800-1600. We need Chapter 1612 support

**27 May 23**—EAA Chapter 24 Young Eagles Flight, 0900-1200 Sundance Airport OK

**3 Jun 23**—Chickasha Airshow, Chickasha Int'l Airport Chickasha OK



## Other Stuff For Sale

**Corben Baby Ace and Baby Ace Model D plan sets.** Plans were donated to the chapter, and funds raised from their sale will go to support chapter programs. There are two sets of plans available—Corben Baby Ace and Baby Ace Model D. Price for either set is \$75.00.



## ***EAA Announces Inaugural Learn to Fly Week – May 15 to 20***

Aspiring aviators will have the opportunity to discover multiple pathways to becoming a pilot as EAA presents its inaugural Learn to Fly Week on May 15-20. Beginning May 15th, expert flight instructors and representatives from various aviation organizations will present free, interactive webinars. These webinars will cover topics from starting flight training, saving time and money in flight training, preparing for the FAA written exam, to passing the checkride, and so much more. While the live showing of these presentations will be open to the public, the recordings will be archived for EAA members to view at their convenience. Learn to Fly Week will conclude on Saturday, May 20, with Flying Start events hosted at chapters across the country. EAA's Flying Start program allows EAA chapters to welcome, encourage, and educate new aviation enthusiasts about the fun, freedom, and accessibility of personal aviation in their local area. Following a short presentation about learning to fly, attendees will be offered a free introductory Eagle Flight to experience the spirit of aviation firsthand.

***Full webinar schedule and more details on Learn to Fly Week can be found at [EAA.org/LTFWeek](http://EAA.org/LTFWeek).***

## Chapter Pictures

### *Tuttle High School Aviation Career Day*



*Victoria—Women in Aviation*



*Start of the day—Team Tri-Chapters*



*Antonin with potential YE*



*Victoria and Antonin*



*End of a long productive day*



*OC-ALC Tinker at the meeting*



*Tinker AFB's Abbey Charlow*



*We read the newsletter, you should too!*



Check the chapter website for more pictures and information @

[1612.eaachapter.org](http://1612.eaachapter.org)

## Chapter 1612 Meeting Minutes 11 March 2023

- 1000 meeting called to order by President Eric Muehlberg
- Attendance: 38 members and guests in attendance
- VMC question—Runway Markings
- “What is it?” aircraft discussion by VP D’Angelo—Minicab
- VP D’Angelo discussed wood aircraft designs Jungster I and II
- Tool Crib received a \$500 donation from Mr. Jay Burgess—thank you Jay!!
- Young Eagles program received a \$500 donation from Mr. Larry Hinton and the David J. Perry Aviation Booster Club. Thank you Larry and the Booster Club!!
- David J. Perry Aviation Booster Club Fly- or Drive-In Breakfast 0800-1100 David J. Perry Airport (1K4) President Muehlber asked the Chapter to provide support to the 18 Mar 23 and future events
- President Muehlberg discussed his Oshkosh WI trip to attend the EAA Leadership Council meeting
  - Modernization of Special Airworthiness Certificates (MOSAIC) was discussed and future Chapter Programs from EAA
- EAA Chapter Video presentation
- EAA B-17 discussed by President Muehlberg
- President Muehlberg discussed instrument hole cutting and demonstrated two methods
- Meeting ended by President Muehlberg at 1155







## Who is EAA and Chapter 1612?

**W**e 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 us today!

### **President**

Eric Muehlberg  
405-923-6749  
smuehlberg@pdi.net

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

## Chapter Leadership and Contacts

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# EAA Chapter 1612 Membership Form



Date \_\_\_\_\_

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

Name \_\_\_\_\_

Email \_\_\_\_\_

Address \_\_\_\_\_

Phone \_\_\_\_\_

(Annual chapter dues are \$20.00)

**Optional information** \_\_\_\_\_

What are your aviation interest / goals? \_\_\_\_\_

Are you a pilot? (Yes) (No) If yes, what ratings do you hold? \_\_\_\_\_

Do you hold a maintenance rating? (Yes) (No) If yes, what ratings do you hold? \_\_\_\_\_

Have you built / restored or are you building / restoring an aircraft? (Yes) (No) If yes, what type(s)? \_\_\_\_\_

Are you contemplating building or restoring an aircraft? (Yes) (No) If yes, what type(s) interest you the most? \_\_\_\_\_

Do you own or have you owned an aircraft? (Yes) (No) If yes, what type(s)? \_\_\_\_\_

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

**Chapter mailing address is;**

EAA Chapter 1612  
954 Redbud Lane  
Newcastle, OK 73065

**Chapter Meetings are the 2<sup>nd</sup> Saturday**

**Chapter President - Eric Muehlberg**  
405-923-6749