



# EAA Chapter 1612 Newsletter



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

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9 November 2022

## From the Front Seat—President Eric Muehlberg

We're now into that winter transition type of weather. We still get a few nice days but they are far few than they were over the last couple of months. That back and forth weather really impacted the Texas National STOL event in Gainesville, Texas on the 28-29th of October. Rain shut



things down most of Friday, but they were able to finish the event under overcast skies on Saturday. Also, due to the forecast for

rain and soft ground, the Oklahoma AAA Fly-In and Car Show at the Pauls Valley Airport (KPVJ) scheduled for the 5th of November was cancelled.

**November 11th is the new date for the special screening of the Coleman Productions aviation movie "Inside The Sky" for the OKC EAA chapters.** You may have already received an EAA Chapter Blast e-mail about the event or have seen a Facebook post. The screening of "Inside The Sky" will still **take place at Gary and Karen Manning's hangar on the Twin Lakes Airport. The address is 13801 Chandelle Drive, Newalla, OK 73857.** Seating for this screening is space-limited to 100-120 seats on a first-come, first-serve basis. The event begins at 6:00 pm with a light dinner of hot-dogs, chips and sides served prior the movie. Everyone is asked to bring a side dish or desert to share. Popcorn and drinks will be served during the movie. There is no charge for this event. For more information contact Gary Manning at 405-664-7356.

Just for planning purposes, **our December**

**meeting will be the annual OKC Tri-Chapter Christmas dinner held at Twin Lakes at Gary and Karen Manning's hangar in early December.** This is always a well-attended event with fantastic food. We'll have more information to come on the dinner in our December newsletter.

This Saturday the 12th is our November chapter meeting at 10:00 in the David J. Perry airport terminal building. I realize the Fairview Fly-in is also taking place on the day of our meeting. I know some will fly up to Fairview if the weather allows and that's fine. We'll still hold our meeting on the second Saturday at our regular time. The "official" part of Saturday's meeting will include the usual VMC question and discussion, the "what is it" challenge, this month's EAA chapter video, and a couple of presentations that will be informative and interesting. Dennis will have the coffee maker working hard and donuts available before the meeting. I'm looking forward to seeing many of you this Saturday.

Tailwinds,

*Eric*



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# 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 12 November 2022 from 1000-1130. Chapter will provide donuts and coffee. If you have questions contact Eric Muehlberg at 405-923-6749 or smuehlberg@pldi.net.



David J. Perry Airport (1K4)

## Graham Lee Nieuport 17 — A What If Drill

OK, I am going to leak that Eric Muehlberg is looking at buying a 7/8th scale Graham Lee Nieuport 17. As I write this tome Eric is in a southern state examining the aircraft for purchase. I am excited for Eric and even more interested in Mr. Lee's construction technique for use in light aircraft. The airframe and wing are all built using aluminum tubing, aluminum gussets, and pop rivets—it is almost as simple as using wood.



Graham's construction methodology was a result of his experiences with ultralight aircraft design and allowed him to complete his prototype Nieuport design in under 11 months. So could we use the same construction method to build a light sport aircraft powered by a VW? I would say, Yes.

I believe one could take the Lee techniques and apply them to the VW-powered, oversized Legal Eagle concept I discussed a few months back. Rather than using steel for the fuselage, I would employ the 6061-T6 aluminum tube/pop rivet 2024-T3 gusset construction which is similar to how the Legal Eagle tail is constructed. One could determine the aluminum tubing size based on some simple mathematics or comparison to the Nieuport design. Lee's aircraft are stressed to +5.7/-2.8 Gs uli-

mate (+3.8/-1.9G safety factor), so strength should not be a concern. Further, the Nieuport uses a full-size 1700-1830cc VW engine of 65 HP which can be easily purchased from Great Planes aircraft supply.

The wing construction uses two tubular 6061-T6 spars—one for the leading edge and one for the trailing with simple bent ribs similar to the Aerodrome aircraft. A simple jib is used to bend the tubing into airfoil shape, and then more gussets



are used to attach the ribs to the spars. Lee even devel-

oped a small, simple biplane using the construction process called the Miranda that could be rapidly and easily built using simple hand tools.

I believe this process is not used enough in construction of light sport aircraft to help simplify the building process.

So give me your thoughts at the next meeting. Until then...

...keep 'em flying.

dd

**“GRAHAM'S CONSTRUCTION METHODOLOGY WAS A RESULT OF HIS EXPERIENCES WITH ULTRALIGHT AIRCRAFT DESIGN “**

## VMC Question of the Month

### The question:

You're planning a flight to an uncontrolled airport and will be landing after dark. What does it mean if following the field elevation on the airport data block of the sectional chart, you see a \*L instead of just an L?



## What is it?



It is the Fly Nano Nano is a Finnish electric single seat seaplane, designed by Aki Suokas and produced by FlyNano of Lahti. The aircraft was designed to comply with the European aviation rules for deregulated class under 70 kg (154 lb.) empty weight. The aircraft is made from carbon fiber. Its 16-foot span wing has no flaps.

The initial plan was to produce several models with different powerplant options, including a two-stroke powered ultralight, a high-powered racing model and an electric model. The company has more recently announced that only the electric model will be produced, citing that "it's quiet, efficient, eco-friendly and it's easy to maintain". The aircraft wing can be removed for storage or ground transportation. I saw this at the Aero 2011 show in Friedrichshafen Germany.



Here is the December 2022 "What is it?"

## EAA and Chapter Merchandise

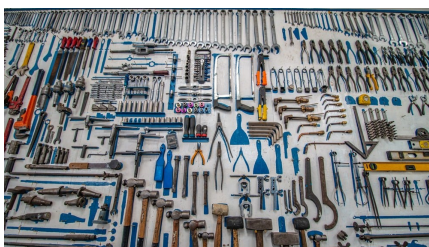
We will be selling merchandise to help fund chapter activities. These pictures are examples of what we plan to offer; hats and shirts with the Chapter 1612 logo.

Eric will discuss at the next meeting. *dd*



## Tool Loaner List—

Check our website for more info



## Don't Miss These Coming Events



11 Nov—Private showing of the movie “Inside the Sky” OK aviation. Gary Manning’s hanger at Twin Lakes airport 13801 Chandelle Drive, Newalla, OK 73957

12 Nov—World’s Oldest Free Fly-In Fairview Municipal Airport (6K4), Fairview, OK.

26 Nov—Super Breakfast with EAA Chapter 165 North Little Rock Airport (KORK), North Little Rock, AR

?? Dec—Annual OKC Tri-Chapter Christmas dinner held at Gary and Karen Manning’s hanger Twin Lakes airport 13801 Chandelle Drive, Newalla, OK 73957

*More coming next month.*



## Other Stuff For Sale

**Zenith CH 701 project** - Owner is asking \$5,000 and includes a Continental C-85. Project is located at KOUN. Contact the owner, Keith Layre at 405-629-9279 (request that you text him).



**Corben Baby Ace and Baby Ace Model D plan sets**. Plans were donated to the chapter and funds raised by from their sale will go to support chapter programs. The plans will be available for inspection at the July meeting. Price for either set is \$75.00.



**Chapter Meeting Pictures**



*One Beautiful Aeronca Chief*



*Scafe's C-172 at Cedar Mills Tx*



*Say "Hi" Jesse*



*Pacer at Cedar Mills Tx*



*T-6 Texan at Cedar Mills Tx*



*Jim Thomas*



*Jim and Darlene at Cedar Mills Tx*



*Gary Manning with his new homebuilt*



*Last of the warm weather*



*Did you read the entire newsletter?*



Check the chapter website for more pictures and information @

**1612.eaachapter.org**

## Chapter 1612 Meeting Minutes 8 October 2022

- Meeting brought to order by President Muehlberg at 10:15 AM. Twenty-seven members present
- There were 4 new members and they were introduced:
  - Dewayne Harp, Kim Fairbanks, Delbert Carlin, and Terry Neidel
- The chapter flew 4 Young Eagles before the meeting start
- VMC question on ASOS, ATIS, and AWOS. What they mean, data given, and how often they update was presented by President Muehlberg
- “What is it” aircraft the Baker MB-1 flying wing discussed
- President Muehlberg discussed the screening of “Inside the Sky” movie on aviation in Oklahoma to be presented at Gary and Karen Manning’s hangar on October 15,2022
- President Muehlberg discussed the possibility of starting a Chapter 1612 aircraft project with Chapter 24. Aircraft is a Piper Colt and chapter members would be working on control surfaces learning to cover
- President Muehlberg addressed purchasing Chapter merchandise for sale to membership. Good response
- Chapter Tool Crib was discussed and President Muehlberg showed what tools are available
- The October EAA Video viewed by membership
- President Muehlberg offered Baby Ace plans for sale. Proceeds to go to our programs account
- The Arkanstol flying event was discussed and President Muehlber show pictures of the activities during his visit
- Meeting closed at 11:30



## 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@pldi.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  
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Newcastle, OK 73065

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

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