



EAA Chapter 1612 Newsletter



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

Volume 5 Issue 6

1 June 2023

From the Front Seat—President Eric Muehlberg

We we're sending out our newsletter a week early this month because there are two big events this Saturday, 3 June, for the Chapter 1612 membership. First thing Saturday morning is the Annual Chickasha Wings and Wheels Airshow (see page 9). Chapter 1612 will once again fly Young Eagles at the event. Last year we flew over 70 Young Eagles and could have flown more if we had additional planes and pilots. We really do need planes, pilots and ground support folks this year. A few of our regulars won't be able to attend this year's event, so we really need some new faces to step up. We'll be flying Young Eagles from 8:30



to 11:55 this year. The Young Eagle Pilot safety briefing is at 08:15 near the registration table. The airport airspace closes and the airshow begins

at 12 noon. Airshow is scheduled to end at 2:30 pm with the airspace reopening at 3:00 pm. We have included the event schedule elsewhere in the newsletter. I want to thank everyone again who made last year's Young Eagle Rally such a success.

Besides the Airshow, our second chapter event this Saturday afternoon is the OKC Tri-Chapter Summer Dinner gathering at Twin Lakes Airport. You won't want to miss this one either. This is a family event so bring the spouse and kids or someone who might be interested in learning more about EAA and aviation in general. As in the past it will be held at Garry and Karen Manning's hangar at the Twin

Lakes Airport on 3 June at 4:30 PM. The Manning's address is 13801 Chandelle Drive, Newalla, OK 73857. This is a fly-in or drive-in event, and everyone is asked to bring a side dish or desert to share. The chapters will provide the meat, drinks and everything else. No one ever leaves this gathering hungry!



Just a month later is the Tinker AFB airshow 1-2 July this year. We

won't be flying any Young Eagles at this airshow, but it will be a great event to attend and is also a free event. There will be an EAA Oklahoma City Chapters spot/booth at the event with a few display aircraft. If anyone would like to display their aircraft or project at the airshow, please contact Garry Manning at 405-644-7356 for additional information.

Brian Stenseth is the first chapter member to use our aircraft scale set to weigh his Excalibur project. Larry Arnold has them reserved right behind Brian for his Zenith 701 STOL project. It looks like we'll have a couple of newly completed aircraft real soon. Looking forward to seeing both of them take flight.

Our next regular chapter meeting will be on 10 June at 10:00 am at the David J. Perry Airport (1K4) terminal building. It is International Young Eagles Day and weather permitting, we'll be flying a few Young Eagles before and after our meeting. If you know of any kids 8 to 17 that might have an interest in aviation, bring them to the meeting. We'll start flying them at 0830 and break for the meeting at 1000. Anyone we don't take up prior to the meeting we'll fly after the meeting. We can always use airplanes and pilots to help make this successful. As far as the meeting goes, we'll have the usual VMC question and discussion, the "what is it"

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challenge, this month's EAA Chapter Video, and 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 for the Airshow and Dinner, then next Saturday for our regular meeting.

Tailwinds,

Eric



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

This month's meeting is at the David J. Perry Terminal building (1K4) on 10 June 2023 from 1000-1130. Chapter will supply donuts and coffee. If you have questions contact Eric Muehlberg at 405-923-6749 or smuehlberg@pldi.net.



David J. Perry Airport (1K4)

What If Drill...Super Termite

“AS WITH MOST HOMEBUILDERS OF THE TIME HE DESIGNED THE TERMITE USING CHALK ON THE BASEMENT FLOOR.”

OK, by now you may have noticed I have a propensity to search for old homebuilt aircraft from the 1950-60s and upgrade them for today's larger aviators. Maybe I am a little off, but it is fun to comb old aviation magazines for the one-off flier. So, this month is no different as we look at the Smith Termite and upgrade this diminutive design into the Super Termite.



Designer Wilbur L. Smith was an experienced

wooden construction aircraft homebuilder, having built a Pietenpol Sky Scout in 1930. As with most homebuilders of the time, he designed the Termite using chalk on the basement floor. What he drew on the floor was a braced parasol wing monoplane with all-wood construction using spruce as the structural material with birch plywood covering. The spars are from an Aeronca K, and the controls are modified from a Piper Cub constructed from wood. The aircraft is powered by an Aeronca E113 of 36 HP. The design resulted in a wingspan of 23 feet, a Clark Y airfoil, a length of 16.5 feet, empty weight of 394 pounds and a gross weight of 628 pounds. Top speed was 93 MPH and the aircraft cruised at 80 MPH—not bad for 36 HP!!



So, what would a Super Termite look like? I would lengthen the fuselage by 6 inches and 2 inches in width. I would increase the wingspan to 27

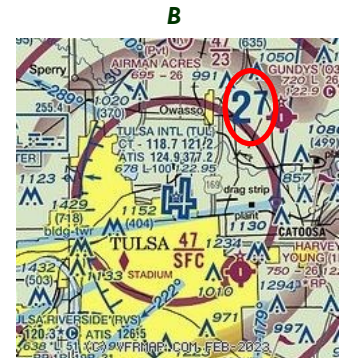
feet by adding 2 feet per wing panel. I would power the aircraft with a William Wayne Corvaire 2700cc conversion of 80 HP. This displacement will yield 100 HP according to William; however, I would keep the power down for better fuel economy. I would install a 10-gallon fuel tank in the fuselage ahead of the pilot and a 5-gallon tank in the wing for a total of 15 gallons. This should give ample flying time with the mighty Corvaire up front. I would keep all wood construction using metal sparingly; however, I would add Matco brakes and a homebuilt tailwheel—the original Termite had no brakes and

a tailskid. I anticipate the aircraft would have about the same speeds, but the gross weight would increase by 120 pounds, so you would have the ability to carry a 220-pound pilot with a full fuel load. The Super Termite would be a simple, fun aircraft to build and fly. So, give me your thoughts on my concept at the next meeting. Until then keep 'em flying.

dd

VMC Question(s) of the Month

You are on a VFR cross country flight from Willie Post (KPWA) airport to Allen County airport (K88) and your flight path will take you right over Stillwater Regional (KSWO)—see picture A below. Your flight plan for 3500' MSL. Do you have to contact SWO tower to transit? OK, one more. What does the 27 mean next to the Tulsa Int'l Airport (KTUL) airspace—see picture B below?



What is it?



It is the Electric Motor Glider (EMG)-6 a one- or two-seat electric airplane designed to be reconfigurable for operation as either a glider or a powered motor glider designed and built by Brian Carpenter.

The EMG-6 has folding wings, and is designed to be operated either

as a glider or as an electric motor glider with propulsion options of either two wing-mounted tractor configuration motor/propeller units or two wing-mounted tractor motor/propeller units and a third fuselage mounted pusher motor/propeller unit. The EMG-6 also incorporates a ballistic parachute and provisions for being towed aloft by a tow plane. Initial flight testing in late 2013/early 2014 has used a four-wheeler and different types of automobile to tow the glider aloft. A Polini 250cc two-stroke internal combustion engine prototype was also tested.



Here is the July 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.

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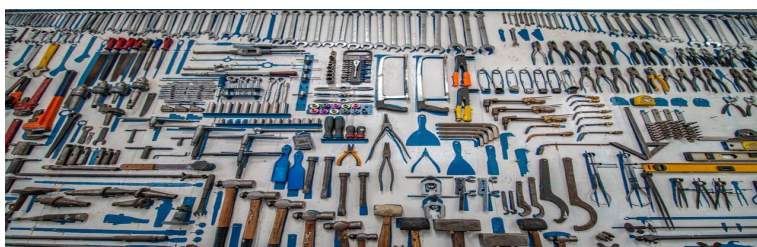


Chapter logo available full-size on shirt back



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



1 Jun 23—Oklahoma Pilot's Association Monthly meeting. C.E. Page Building at Wiley Post Airport 1830-2100 hrs.

3 Jun 23—Chickasha Wings and Wheels Airshow, 0800-1700 hrs. Chickasha Int'l Airport Chickasha OK (See page 9 for details)

3 Jun 23—OK Tri-Chapter Summer Dinner Gathering, 1630 hrs. Gary and Karen Manning's Hangar, 13801 Chandelle Drive, Newalla, OK 73875. Bring a side dish or dessert

3 Jun 23—Oklahoma Antique Aircraft Assoc. Lunch meeting. 1100-1300 hrs. Pauls Valley Airport (KPJV)

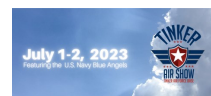
3 Jun 23—Ponca City Aviation Foundation December Fly-in/Drive-in Breakfast 0800-1000 hrs. Ponca City Regional Airport (KPNC)

17 Jun 23—Aviation Booster Club Fly- or Drive-In Breakfast 0800-1100 hrs. David J. Perry Airport (1K4)



24 Jun 23—EAA Chapter 24 Young Eagles Flight, 0900-1200 Sundance Airport OK

1-2 Jul 23—Tinker AFB OK Air Show.



Free Admission. Gates Open/Close 0800-1700. Aerial acts 1100-1500 both day. OKC EAA Chapters will be at the event.

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 toward supporting chapter programs. There are two sets of plans available—Corben Baby Ace and Baby Ace Model D. **Plans have been SOLD!**



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.

EAA Webinars sponsored by **Aircraft Spruce & Speciality Co.**

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.

EAA gratefully acknowledges the support of Aircraft Spruce and Specialty Co. for their generous sponsorship of EAA webinars.

Registration is required, and space is limited.

Date	Time	Title	Presenter(s)
6/6/23	7 p.m. CDT	Flying With AOA Qualifies for FAA WINGS credit.	Paul Dye
6/7/23	7 p.m. CDT	Mechanics Credit Qualifies for FAA WINGS and AMT credit.	Mike Busch
6/13/23	7 p.m. CDT	The Thorp T-18 Museum Webinar Series	Chris Henry
6/14/23	7 p.m. CDT	Time for Flying Into EAA AirVenture 2023 Qualifies for FAA WINGS credit.	Fred Steiler
6/20/23	7 p.m. CDT	How to Celebrate International Aviation Day Qualifies for FAA WINGS credit.	Gordon Penner
6/21/23	7 p.m. CDT	EAA AirVenture 2023 Features and Attractions	Rick Larson
6/22/23	7 p.m. CDT	International Aviation Day: What's It All About? Qualifies for FAA WINGS and AMT credit.	Patty Wagstaff
6/28/23	7 p.m. CDT	Ultralight/Homemade/Robocraft Arrival Procedures - AirVenture 2023 Qualifies for FAA WINGS credit.	Mark Spang
7/5/23	7 p.m. CDT	FAA: How to Sign Qualifies for FAA WINGS and AMT credit.	Mike Busch
7/11/23	7 p.m. CDT	918H - The New Rotax Engine Homebuilders Webinar Series	Nino Tasio
7/12/23	7 p.m. CDT	How to Draw an Airframe Qualifies for FAA WINGS and AMT credit.	Paul H. Paul Shuch
11/08/23	7 p.m. CDT	Cloudy With A Chance of PIREPs Qualifies for FAA WINGS credit	Paul H. Paul Shuch

Chapter Pictures



Check the chapter website for more pictures and information @

1612.eaachapter.org

Chapter 1612 Meeting Minutes 8 April 2023

- 1000 meeting called to order by President Eric Muehlberg
- Attendance: 31 members, including 2 new guests
- President Muehlberg presented the EAA Chapter 1612 Banner to the members and the fact the Chapter gained Gold Chapter status
- VP D'Angelo addressed the upcoming (1-2 Jul 23) Tinker AFB Air Show. Gary Manning addressed OKC Tri-Chapter participation at the event with aircraft flying in on Friday before the show as part of the static displays.
- VMC question—Use of oxygen in unpressurized aircraft was presented by VP D'Angelo
- “What is it?” aircraft discussion by VP D'Angelo—Terrill Racer
- EAA Chapter video presentation made by President Muehlberg
- Member Jerry Calvert made a super presentation on the ADS-B system and how and when a pilot must use the system. This was an excellent presentation — Thank YOU Jerry!!
- Remember the David J. Perry Aviation Booster Club Fly- or Drive-In Breakfast is 0800-1100 David J. Perry Airport (1K4) on 17 Jun 23
- Meeting closed by VP D'Angelo at 1130





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 us today!

President

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405-923-6749
smuehlberg@pdi.net

*Visit the chapter website
at 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 2nd Saturday

Chapter President - Eric Muehlberg
405-923-6749



2023 Wings & Wheels Airshow

Chickasha, OK

03 June 2023



current as of 5/23/23 Rev 0

(FOR PUBLIC RELEASE)

<u>Time</u>	<u>Event</u>
8:00	Gates Open
8:00	Car Show Begins – Registration free
8:00	Young Eagle Flights Begin – Registration Free Ages 8-17
10:30	Car Show Ends
11:00	STOL Aircraft Demonstrations
11:30	Car Show Awards
11:55	Opening Ceremony
11:55	Young Eagle Flights End
12:00	Airspace Closes
12:01	Lone Star Jet Team / National Anthem
12:27	Falcon Flight Formation Team
12:47	Leland Kracher - Christian Eagle Aerobatics
1:01	Kyle Franklin – Super Cub Deadstick Aerobatics
1:13	Jeremy Holt – Pitts Model 12 Aerobatics
1:28	Falcon Flight Formation Team
1:43	Mike “Spanky” Gallaway – Extra 300 Aerobatics
1:57	Airshow Ends
2:30	Airspace Reopens

Schedule is subject to change without notice due to mechanical considerations, weather conditions, and other matters beyond the control of the Event.

Airspace will reopen to transient aircraft traffic as soon as the last performer finishes.

We hope that you enjoy the show!