

# THE TAILDRAGGER

AUGUST 2023

## Presidents Message: By Grif Leary

Well, there hasn't been much going on the last week of July around AE, we all know why. A significant number of our chapter members and AE folks have been gone. There hasn't been much activity, hangar doors shut, side by side and cart traffic slow and not much airplane noise. The weather may have had a bit to do with it!! Oshkosh was the main reason; I am glad that our members and neighbors that made the trip all made it home safe. I am sure we will hear some stories at the next chapter meeting. Most of you know that Gayla made arrangements for the meeting to be at Saltgrass in Tyler. That should be a nice (cool) change of pace. There are several good articles in the works for this month's news letter so I'll stop this one short and plan on seeing everyone next Thursday the 10<sup>th</sup> at Saltgrass.

Bo Leary



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## Eagle's Nest



Hey Team, IT'S HOT!!! I haven't been up in 2 months and 2 weeks. I just can't seem to get myself up in this Heat. I would have to get both planes out and put both planes up. Bo says he'll help but I really don't want his sitting in the heat all day. Anyway. What's your excuse?

What an exciting time at Oshkosh. I had the pleasure to meet so many YE Coordinators from all across the US. Most of them from Texas. Some of the smaller chapters are not using the YEDay.org yet. I'm guessing technology is not their thing. I can't imagine not using it anymore. It has made the Young Eagle program so much easier. They have been working to expand the program to be used by other programs such as Eagle Flights, Workshops. Endless uses.

Amy had to have a second surgery to remove some scar tissue from the first surgery. Poor kid. She said the recovery shouldn't take as long. The Ray Scholar Fund Board is being very understanding and crossing my fingers they hang on and let her finish. I know she only has 1500.00 left but she does have access to a couple of simulators. I know it's not the same but at least she can try before getting in the plane. She keeps asking about the scholarship so I know she wants to finish.

Caden has flown quite a bit, June he flew 4.0 hours, 2 hours ground. July he flew 3.0 hours and 3.5 hours ground. He and his parents went to Oshkosh and now they are ALL hooked. Caden met up with the folks in the Blue Barn, Christopher Gauger, one of the administrators of the Ray Scholarship fund. I sent Les a picture and I'm sure he will share.

Cliff and Sandra are Caden's parents and now they have voiced to interest in learning to fly. This is huge for our chapter. We just keep on influencing the right people.

Alexia and Rusk Co is looking into getting us the use of a newly build hanger for the up coming workshop. I have told her to look at October 7th or 21st. Yes I know about Reklaw. We have at least 1 full kit from the last time and will only have to purchase 1 more kit. These kits are for 10 kids at a time. I think 20 -25 kids will be more than enough. We can split them and rotate them. The ladies can feed them. We can gather the logistics next month.

I'd like for us to get at least one more flight before the end of the year. Maybe November.



Caden finds the Young Eagle Airplane





Caden with Leonard Milholland designer of the Legal Eagle. Leonard was celebrating his 99th Birthday and this is the 25th Anniversary of the Legal Eagle.

From the Vice President

Hello All,

I'm still trying to recover from the travel to and from Oshkosh. This is the first year that I did not have an agenda, or was looking for something specific, either training or parts. That will probably change when I get back into building the kits that I have in storage.

Our speaker this month will be Randy Gentry, one of our new AE residents. Randy flew helicopters in the Army and was rated as both an instructor pilot and DE on many different helicopter platforms.

Now for the good news coming from Oshkosh,

Gayla, Jean and I met with the EAA chapter legal advisor and when we approve our new bylaws and get them registered with the State, she will handle the 501(c)3 issues with the IRS.

This is important as Lucas has acquired complete factory BD4 (less engine I think) for the chapter to build. Now we need a place to store (or build) it. We want to partner with a school to build it then we can sell it or sell it to 972 club. (All TBD and all ideas welcome)

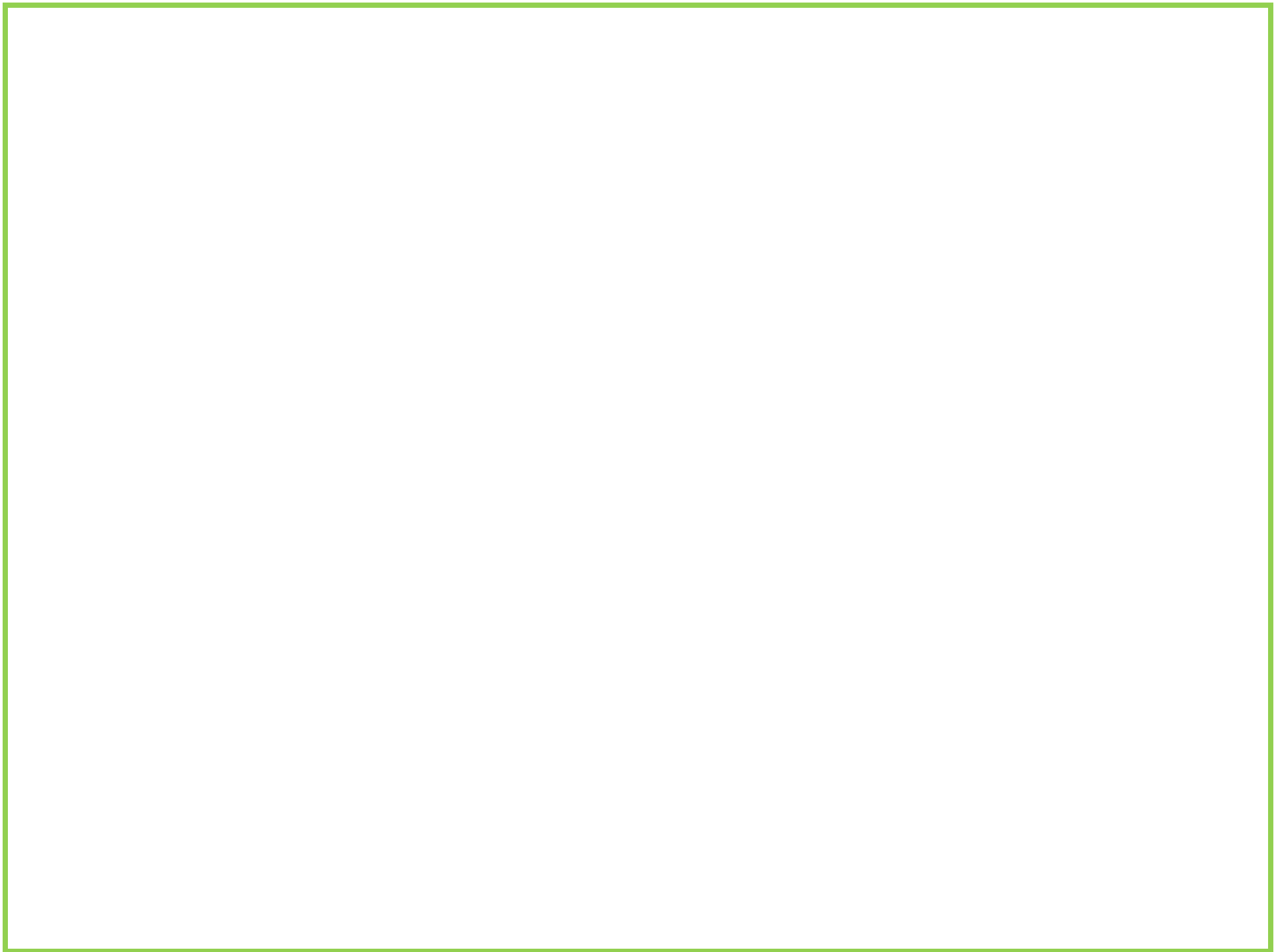
Also, I met with Gary Reeves (PilotSafety.org) and he has reserved Thursday January 11 to be our speaker. I need to confirm location and our anticipated attendance. but he is sorry for missing last year's opportunity. He says if we can get about 50 attendees, he will put out on his web site and send an email blast that will bring at least 50 more.

Gayla is working on organizing another Aero Educate workshop like we had last year. She will fill us in on the details as they get worked out. Thanks Gayla!

It looks like next year is going to be filled with exciting activities.

#### THIS MONTH IN HISTORY

- ✦ 1 August 1907 (USA) — The Aeronautical Division of the United States Army Signal Corps is created. Their goal is, "to study the flying machine and the possibility of adapting it to military purposes."
  - ✦ 12 August 1946 (USA) — President Harry Truman signs a bill authorizing an appropriation of \$50,000 to establish a National Air Museum in the Smithsonian Institute in Washington, D.C. The small museum eventually becomes the National Air and Space Museum — the most visited museum in the world.
- 26 August 1959 (USA) — President Eisenhower replaces his airplane with a jet, a USAF VC-137A, which is a modified Boeing 707 jet-airliner. The switch allows the President to cut his travel time in half.



## **TECH COUNSELOR REPORT**

### **What about the oil in your engine**

The oil in your engine performs several functions, the most important one of course is lubrication between dissimilar metals that are rubbing against each other. The oil forms a barrier that prevents the materials from touching and therefore reducing wear, it also reduces friction just like as if you were rubbing your hands together you will feel friction (it may even get warm) but when you put some oil on it a barrier forms and your hands slide together much better without resistance.

What else does the oil do; it keeps the engine clean, it carries off lead-salt, carbon, sulphur, unburned fuel, and combustion by-products that are blown by the rings. The oil keeps these contaminants in suspension and deposits them in the oil filter. That is why when you have an oil filter it pulls out much of these contaminants and the oil can be used for a longer period of time (25 vs. 50 hrs).

The third function of the oil is for cooling. For example the melting point of your aluminum piston is about 1280 degrees Fahrenheit, and you've seen your exhaust gas temperatures between 1400 and 1500 degrees Fahrenheit. Question is, why don't these gasses melt the aluminum pistons? Well, there are a few reasons; the piston is cooled by spraying oil against the bottom of the piston. This is important especially in turbocharged engines where we see even much higher EGTs. Of course, the top of the piston is exposed to these high temperatures only for a short period of time, then cooler air/fuel mixture is being reintroduced while at the same time the piston is cooled from the bottom with cooler oil, hence, the piston survives these high temperatures. However, improper leaning can cause much higher temps without the cooling benefit of the extra fuel, and in extreme cases can destroy pistons. One owner of an engine shop told me once that, after the introduction of the "Lean of Peak" process his engines business grew considerably.

Next month Mineral or Synthetic, Monograde or multigrade

Safe Flying

Lucas Wagenaar A&P IA

## 2023 UP COMING EVENTS

Here is a Calendar so far.

August 10, Meeting , at the Saltgrass Restaurant, Tyler at 5:30 pm.

Sept – 2023 – Meeting – Runway Gumbo – Tentative YE Rally

October 2023 – Meeting and Reklaw

November - 2023 – Meeting – Tentative YE Rally

December – 2023 – Christmas again

**There will be opportunity Eagle Flights**

NEXT Meeting will be at the Saltgrass in Tyler

Saltgrass Steak House

7214 S. Broadway Ave.

Tyler ,TX 75703

Saltgrass.com

903-561-8316

**We have a Chapter Website: The URL is:**

<https://chapters.eaa.org/ea972>

We are working on updating and modifying the website to meet our chapter needs and persona. We need to add pictures of members projects, and projects they are working on, building and or flying as well as the aircraft we fly. The EAA makes this available to all EAA chapters and each chapter can then modify to make it what they need. We can use this to help announce YE flights, runway Gumbo, Poker run, Events and past news letters. By the way, if you have any old information, newsletters, ETC involving the chapter please get it to me and I can add to website so all can see out past chapter happenings.