

THE TAILDRAGGER

JULY 2023

Presidents Message: By Grif Leary

Planes, Trains and Automobiles!! The reference is about our Chapter members. At our last Gumbo while visiting with fellow members and neighbors I realized how many of our friends will be headed to Oshkosh in a few weeks. Looks like there are many different ways of getting there but at the end of the day Lake Palestine 972 and AE will be well represented. I sure hope everyone has a safe and fun trip no matter the method of transportation.

As everyone knows we had to cancel our June YE event, as troubling as that is it was a good decision. I'm sure Gayla will be looking to schedule another event when the weather starts to cool a bit.

The chapter had another successful Gumbo in June! Thanks, to everyone who contributed to the effort either by getting supplies ready, set up and preparation, cooking and serving, and then cleaning it all up on a hot afternoon. The real appreciation goes to everyone that contributes with their generous donations to the chapter. We see those results with the young people we send to camp at Oshkosh. There is a lot of satisfaction with helping introduce young people to GA.

I look forward to seeing y'all at the July meeting on the 13th.

Bo



President, Grif (Bo) Leary
grifleary@hotmail.com

Vice President, John Kearney
johnkearney@att.net

Young Eagles Coord. Gayla Leary
gaylaleary@hotmail.com

Secretary, Leisa Robertson
leisa.robertson@aol.com

Treasurer, Jean Kearney
jeankearney@att.net

Webmaster, Les Homan
homanles@yahoo.com

Newsletter Editor, Les Homan
homanles@yahoo.com



Eagle's Nest



Hey Team, I know you all hated as much as I did having to cancel the June flight. It's always a tough call and I want to thank you all that backed me in the call. I feel it's just too hot for us to have a rain date till the weather cools a bit. Maybe September.

Hope you all received the pictures of Hudson as he left for and arrived at AirAcademey. His mom said he was really excited. I was pleased we got pictures and can't wait to hear about his adventure.

Amie has an evaluation on Monday so we may learn more about when she can finish.

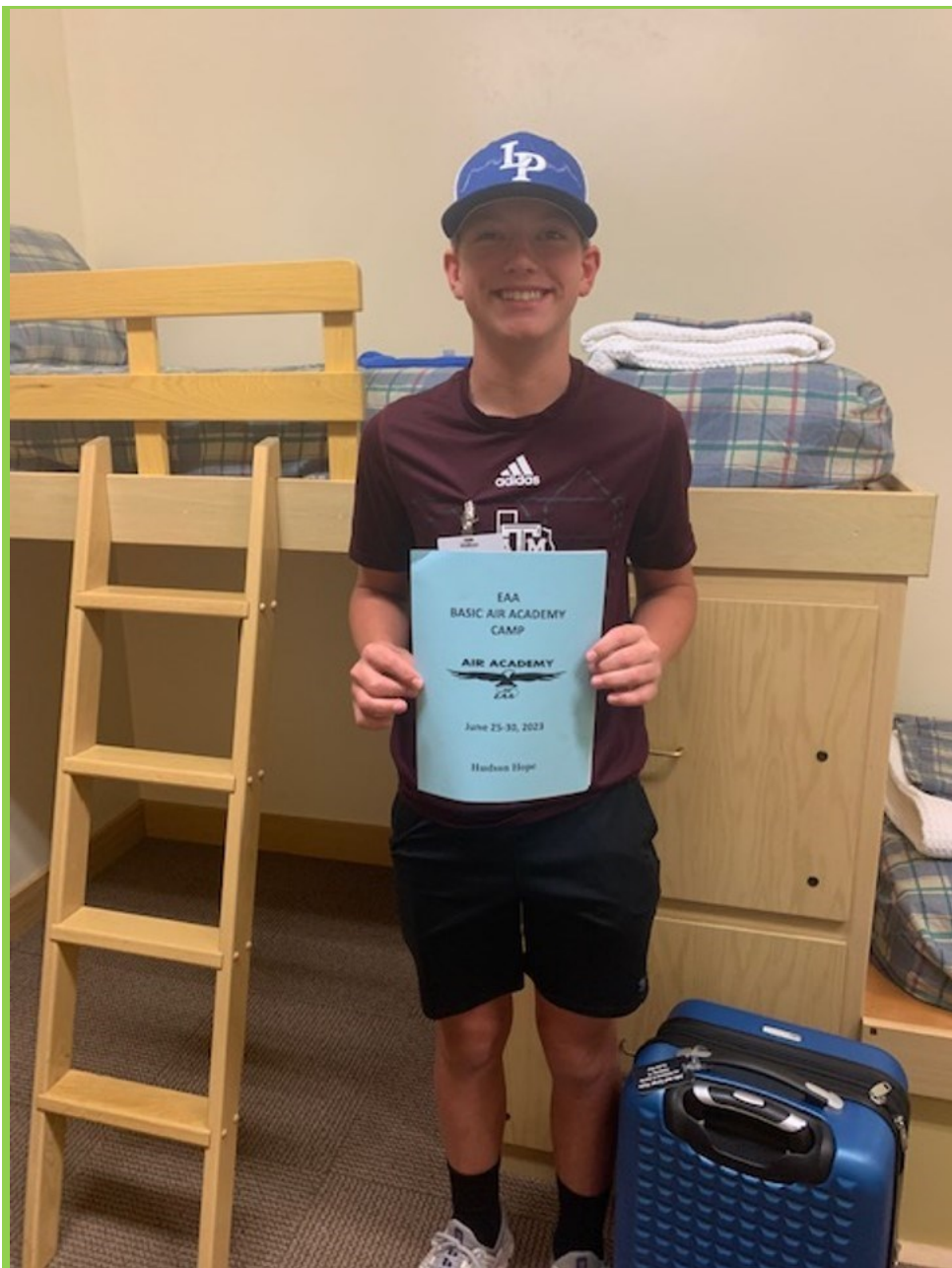
Caden has had 2 flights already. Connor, his instructor, has created a spread sheet for the flight and ground. I sure welcome the help.

So I know we all talked about this with Amie and some said to just use our EAA normal bank account. I have been advised by EAA headquarters and a Tax Account to use a separate account. As soon as we have an officers meeting where minutes can be recorded we will add the account and Jean and myself will be signers. This will be so much easier to keep monies separate. I can also let Julie at Johnson's bill a debit card directly instead of using my CC.

I have signed up to help at Oshkosh and will drive there the weekend prior. I will be helping with the Ray Scholarship corn roast and the Ray Scholar Banquet which Caden will be able to go as well. I am so excited we will have a student at AirVenture this year. If you see him or his family there, give them a shout and let them know they are part of 972. I will see you all at "The Blue Barn".



Hudson got dropped off yesterday at camp! He was super excited to be there! I can't wait to hear all about it from him! Thanks again for your chapter's generosity



From the Vice President

Hello All,

Lake Palestine Chapter 972
Meeting Minutes
8 June 2023

Those in attendance:

Jeff Hancock	Dennis Teicheira
Patrick Moseley	Eddie, & David Moseley
Jim Jepson	Tom Boothe
Cliff Boucher	Caden Boucher
Tommy Boudreau	Mark Whiddon
Pat Rhoads	Joy Meadows
Jeff Bowen	Randy Gentry
Lindy & Brent Willets	Diane & Lucas Wagenaar
Sue & Walt Eastland	Gayla & Bo Leary
John & Jean Kearney	Leisa & Doug Robertson

The meeting was called to order at 6:15 by Bo Leary, President.

May Minutes were immediately approved by Walt Eastland, and seconded by Jeff Bowen.

A huge congratulations to everyone on how successful our gumbo events have been, thus far - this year. May's event brought in... (drumroll)... over \$700, gross!!

We will have one more gumbo (24th of June) before taking our regular two month break, and resume 23rd of September.

Jean Kearney, Treasurer, gave the treasury report. (Chapter 972 members - see attached.)

A "Scholarship" bank account will be added to our chapter's bank accounts listing, with Jean, and Gayla on the signature cards. This account will be used, specifically, as the name implies.

Gayla Leary, Young Eagles Coordinator, gave an update on Amie; she had surgery, shouldn't require physical therapy.

Hudson is excited for Camp, and already planning on his report to our chapter once he returns home. (We have received word from his parents, since our meeting, that Hudson was dropped off at Camp - and super-excited about everything, and that he and his parents are grateful for our chapter's generosity.)

Caden Boucher is, officially, a GO from EAA Headquarters. He has had his 1st flight training lesson, and plans to proceed with two lessons a week. He & his parents are looking forward to attending the Scholarship Banquet at OSH in July.

International Young Eagles Day scheduled for Saturday, 10th of June. We will be at Cherokee County Airport, weather permitting; volunteers - please plan to arrive about 8:15 for a prompt start at 9am. (We wound up having to cancel due to weather. No plans, as of this writing, to reschedule.)

Due to a legal issue, NOT INVOLVING our chapter, but another group using our name, we have been advised to change our chapter name; the chapter listened to a few ideas, and agreed (with a majority vote) to change our name to Lake Palestine Chapter, as is reflected at the top of these meeting minutes, as well as our website, and chapter newsletter. Gayla, and John Kearney plan to travel to meet with EAA's legal team, to ensure our chapter's integrity.

Welcome to our newest member, Randy Gentry!! Mr Gentry stood up, introduced himself and told us a little of his background. We're so happy to have him out at Aero Estates, and as a member of our Lake Palestine Chapter.

Meeting was adjourned at 7:15.

Thank you, everyone, for all the wonderful assortment of foods that were brought and shared at the meeting, and all who helped with setting up, organising (the food on the tables), putting everything away, and cleaning up. Y'all are The Best!! It's our awesome family-like, team spirit that makes everything work so well, and lends to the outstanding success we have with all of our events. Thank you so much.

Our next meeting will be Thursday, 13th of July, at the Robertson's hangar (on Chandelle Lane/Taxiway Hotel). As hot and humid as our weather's been these last couple weeks (and, it's only *June*), I, Leisa Robertson - Secretary, cannot imagine wanting anything hot/warm to eat at this next meeting... so - how about salads and ice cream...? Doug & I will supply plenty of Blue Bell assorted vanilla flavoured ice creams, if ya'll will bring ice cream toppings... and a couple salads (green, fruit, chicken, etc) so we can all still claim to eat "healthy". 😊

Minutes respectfully submitted by Leisa K Robertson, Secretary.

TECH COUNSELOR REPORT

Engine cooling issues

Engine cooling seems like a simple concept, stick the engine into the airstream and it should cool. That will work for the most part but there are some other things to consider.

What about drag? When designing a cooling system there are two things we want; 1. excellent cooling especially in the Texas summer, 2. Low drag or even a negative drag.

If my memory serves me right, the P51 designers claim that the cooling system even adds some thrust. The theory is that because the air temp on exit is higher than the intake temp and therefore exits at a faster rate than the surrounding air adding some positive effect on performance. On a side note: when one calculates the efficiency of a jet engine, the intake and exhaust temp are measured and the higher the delta the better the engine will perform. Of course there are more factors that play a role but without a Delta Temp there will be no thrust. At the same time our conventional reciprocating engine produces lots of heat which needs to be extracted by our cooling system, and the more heat we extract from the engine the better it is, resulting in a cooler running engine.

If we look at the old designs of the cooling air intake, see the size of the intake on a Piper Comanche. That will cause some drag



Now compare that to a LoPresti cowling on the same aircraft and how the opening is probably a quarter size compared to the original size



On the LoPresti cowl they also use a Plenum, which has a much tighter air seal than a regular baffling and cowling design.

The next part of the cooling design is the exit air. The designers also like to keep the air pressure between the top and the bottom of the engine as low as possible (Delta Pressure). I am not sure that this should be a primary design objective. Without a Delta Pressure there is no airflow from

the top to the bottom and we want high levels of air flow. Not only will increased pressure increase the flow of air over the engine, higher pressure will cool better (there are more air molecules to absorb heat). Therefore, a small opening (in the case of LoPresti) creates less drag and increases pressure above the engine, resulting in more flow, and better cooling.

Now if we can introduce the exit air back into the airstream at the right speed, then we have the best cooling at the lowest drag. Hence the size of the exit opening is important, some high-performance airplanes manage this with adjustable cowl flaps.

Save Flying

Lucas Wagenaar A&P IA

2023 UP COMING EVENTS

Here is a Calendar so far.

July 13th, Meeting , at Robertsons Hanger (24576 Chandelle Lane)
at 5:30 pm.

July 13th, Thursday, at 5:30 pm Meeting

July 24th thru 29th Oshkosh EAA fly-inn

August – 2023 – Meeting

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

October 2023 – Reklaw

November - 2023 – Meeting – Tentative YE Rally

December – 2023 – Christmas again

There will be opportunity Eagle Flights

MEAL will be ???

THURSDAY, JULY 13th AT 5:30

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.