

EAA SMILIN JACK CHAPTER 866



Greetings Members and Friends of EAA Chapter 866,

We really had a wonderful Annual Chapter 866 Winter Party last month! I hope you had the opportunity to attend the party and enjoy yourself and the company of friends. The food from LaCita was delicious, the live band that we had this year, *Fly By Night*, provided some fun and delightful entertainment, there was dancing and awards, and several people left with some very nice door prizes too! Many thanks go out to our chief Winter Party planner and Chapter Secretary, Kimberly Brennan for all her efforts!! Please let her know how much you enjoyed yourself when you see her.

There's an exciting opportunity coming up this month for friends of Chapter 866. One of our members, Kathy Anderson, has planned a Fly-Out!! She is actually calling it a "PIE-OUT", and the cargo manifest for each participating aircraft must include a Pie. Rumor has it that a *French Silk Scarf Pie* may arrive by open cockpit Pietenpol. Be sure to *Scarf* down a slice! This Pie-Out-Fly-Out is planned for Saturday February 9th, which is coming up fast! We will discuss it more at the next meeting, including any contingency plans in case of foul weather. There are more details later in the Newsletter, and you probably got an e-mail about it too. This should be a very fun event! And drive-ins are welcome too.

Well, departing the traffic pattern as your Chapter President proved to be a little more difficult than I had thought. At our January meeting last month, we discussed the details of the circumstances surrounding the December elections, and the membership had the opportunity to ask questions and comment. Afterward, a vote was taken to make everything official. I am honored that you chose me to stay on as your Chapter President for a fourth year. I do enjoy the job (well, most of the time), and I ALWAYS enjoy the camaraderie and friendship of all the great people in our chapter!! Our

lives are all enriched by getting together to share our common affection for the Sport of aviation and the hobby of homebuilding. I will continue to do my best to help the Chapter be successful.

Along those lines, and in the interest of trying to keep our monthly chapter gatherings fresh and interesting, we discussed an idea I brought forward last month. I'm calling it the "*President for a Day*" program, but it's really a way to tap into the amazing pool of talent and resources that we have right here within the ranks of our chapter membership. Rather than having me bring a video, or ramble on and speak about some of the same topics over and over again, the idea of "*President for a Day*" is to give some of our members the opportunity to take over the monthly program for one meeting, and either give a presentation, or find a guest speaker, or moderate some aviation discussion topics among our members. In this way, we will get to know some of our fellow members better, and hopefully get to hear about a more diverse set of subjects than what I might bring. Based on some early feedback, I think this has the potential to work nicely. We'll try it for a while, and then you can let me know what you think.

The logistics of "*President for a Day*" are simple. Just pick a month in 2019 to be in charge of coordinating a program for one of our Chapter gatherings, let me know about it, and then come to the meeting that month ready to moderate, present, or introduce a guest speaker. Need some ideas for meeting topics? We can help with that, See Below! Thus far, this is what the monthly sign-ups look like, and as you can see, there are still several OPEN slots available!

Meeting Date	2019 "President for a Day" Program
Jan. 2 nd	LES Boatright
Feb. 6 th	ED Brennan
Mar. 6 th	DAN Hillman
April 3 rd or 10 th ?	OPEN SLOT – (Date is TBD; Regular 1 st Wed meeting date conflicts w/ Sun-N-Fun)
May 1 st	OPEN SLOT
Jun 5 th	KIMBERLY Brennan
July 3 rd	OPEN SLOT
Aug. 7 th	ED Brennan
Sept. 4 th	OPEN SLOT
Oct. 2 nd	OPEN SLOT
Nov. 6 th	OPEN SLOT
Dec. 4 th	LES Boatright - (Officer Elections for 2020)

Possible Topics for Programs and Presentations at Chapter 866 Meetings:

1. Air traffic control – info regarding the airspace in our area
2. Trip reports - with photos
3. Project reports – detailed reports with photos
4. Winter/summer flying tips
5. How to make a flying video
6. Float flying - experiences
7. Weather flying - experiences
8. Traffic unique to X21 – episodes
9. What's new in avionics
10. Aviation History presentations – unlimited topics here !
11. ADSB Q&A
12. Raspberry Pi installations
13. How to use a data logger
14. Flight testing experiences
15. Flying taildragers
16. Long distance flight planning
17. Airspace details in Florida

18. Flying outside of the USA
19. Accident Reports and Case Studies
20. Aerobatic Flying
21. Mountain Flying
22. What is/was the Dunn Patrol?
23. Hints for Homebuilders videos
24. Videos from manufacturer's sites
25. Gadget Time - Share flying or building gizmos, gadgets, homemade tools & techniques
26. Fun places to fly in Florida
27. What an owner can and cannot do to maintain his certified plane.
28. I learned about flying from that - personal experiences and lessons learned.
29. Experiences with FAA Basic Med.
30. R/C flying and building – airplanes and drones
31. Great aviation books to read.

If you work at something in earnest, I've found that you generally get more out of it than what you put into it, even if what you get back is not easily measurable. So, let's all work together in 2019 to make our chapter get-togethers just a little more interesting. At Chapter 866, we may be small in number, but we are big on talent!

Keep on Building, Flying, and Flippin those *Smilin'-Flap-Jacks!*
 Les Boatright
 EAA Lifetime #563003
 President, EAA Chapter 866
 The *Smilin' Jack* Chapter

Les Boatright

Valiant Air Command Youth STEM Program Update



About two weeks ago, I attended a planning meeting over at the VAC museum to discuss their efforts to establish a Youth Aviation STEM program. STEM = Science Technology Engineering & Math. Aviation is a pursuit which touches all of the STEM fields and even more than those. Thus, like many museums around the nation, the VAC museum is a perfect venue for educating young folks about the role of aviation in our history and at the present time. At a couple of our recent Chapter meetings we've briefly discussed how Chapter 866 might be able to participate in the VAC Youth STEM activity. One of their enthusiastic and energetic members even spoke to us about it back in November. They have a noble goal, it has just needed some clear direction and focus. Like a rocket that is all thrust and no vector, it will not get very far without a clear vision and some steady guidance.

After attending their recent planning meeting, I believe the VAC program is starting to come together more clearly and has some great potential. They now have a number of volunteers from the museum, the schools, and the community who are willing to participate and contribute their time. The museum also has a terrific library setting upstairs at the museum, which would be great for hosting youth presentations of 15-30 young folks at a time. At the current time, their challenge is getting the word out and getting a group of interested young people who will commit to regularly attending for a period of weeks.

So, how does Chapter 866 fit in? Don't worry, I haven't committed the chapter or any members to do anything. What I have committed to is helping them get the word out. They will be giving us some posters that we can hang up at our monthly pancake breakfasts, and we can pass the word about their program with notes in our Newsletter. Surely some of our members know a young person in junior high or high school who might like the opportunity to participate in such a program. Also, I have committed to putting together a 45 to 60 minute presentation on "What is EAA, and What is Homebuilding?" I believe this is our

area of greatest strength, and we have plenty of resources to put together such a presentation, to include a number of hands-on items to show, such as specialty tools, examples of blueprints and building materials, example parts and work pieces to show, and even quite a few photos of completed aircraft projects.

The VAC plans to have a display tent at their upcoming Warbird Airshow to advertise and promote their Youth Aviation STEM program. If you go to the show, stop by and take a look. They are looking for people with good ideas !

- *Les Boatright*

“... I find working with EAA a lot like church work. You have to believe, and when you BELIVE, great things become possible.” - EAA Founder Paul Poberezny, *Sport Aviation* February 1965 issue

Some News from NASA



The NASA Commercial Crew Program continues to make progress toward re-establishing the capability to launch U.S. Astronauts from the Florida Space Coast again. Hopefully 2019 is the year we see that. If you're interested, I found a few open source videos that show some of the progress happening just across the river from us.

Recent view from SpaceX's new Crew Access Arm at Launch Pad 39A:

<https://www.youtube.com/watch?v=ZxneDvnWQF8>

SpaceX Crew Dragon Demonstration Mission 1 Gets Closer to Flight Test (**Un-Manned**):

<https://www.youtube.com/watch?v=IIXncOC2TbU>

Inside Boeing's Starliner Mockup with 360 degree camera! (Pan & Zoom during the Video!)

<https://www.youtube.com/watch?v=ye2TKpILqp0>

NASA Commercial Crew Program Video (from last August) –

https://www.youtube.com/watch?v=z-0M3h_saiA&feature=youtu.be

A Peek inside NASA's ORION Spacecraft Mock-up:

<https://www.youtube.com/watch?v=wVYwFFzaPp0>

Finally, this week, NASA remembers the fallen crews from Apollo 1, STS-51-L (Challenger), and STS-107 (Columbia). Having personally participated in the Columbia investigation, and having personally found small pieces of debris from the vehicle in remote fields in Texas, it's hard to believe that it has already been 16 years since that Saturday Feb 1st morning in 2003 when we awaited Columbia's twin sonic booms that never arrived.

Some reminders about upcoming events:

Date	Calendar Event	Place/Info
Feb. 2 nd	OUR Chapter 866 Monthly Pancake Breakfast	Building 10 / 8-10 am
Feb. 6 th	Regular Chapter 866 Monthly Meeting	Building 10 / 7 pm
Feb. 9 th	“PIE-OUT” Event !! – See Details below!	Massey Ranch Airpark (X50)
Feb. 18 th	President’s Day Federal Holiday	
Mar. 2 nd	OUR Chapter 866 Monthly Pancake Breakfast	Building 10 / 8-10 am
Mar. 6 th	Regular Chapter 866 Monthly Meeting	Building 10 / 7 pm
Mar 15 th -17 th	Valiant Air Command Warbird Airshow Weekend https://www.valiantaircommand.com/	Space Coast Regional (KTIX)
Mar 18 th - 22 nd	SPRING BREAK for Brevard Public Schools	
Apr 2-7 th	45 th Annual Sun-N-Fun Fly-In 2019 https://www.flysnf.org/sun-n-fun-intl-fly-expo/	Lakeland Linder Arprt (KLAL)
Apr ??	Regular Chapter 866 Monthly Meeting	Building 10 / 7 pm
Apr ??	OUR Chapter 866 Monthly Pancake Breakfast	Building 10 / 8-10 am
May 1 st	Regular Chapter 866 Monthly Meeting	Building 10 / 7 pm
May 4 th	OUR Chapter 866 Monthly Pancake Breakfast	Building 10 / 8-10 am
July 22- 28	OSHKOSH – EAA AirVenture 2019 https://www.eaa.org/en/airventure	Wittman Regional Arprt (KOSH)

PLEASE SEND IN in any additions / updates to the Calendar of Events.
We’d like to keep it current and accurate!

“PIE-OUT” FLY OUT Flyer



Pie Out

Saturday February 9th

Dunn Airpark X21 to

Massey Ranch X50



Bring a pie and a friend, have your plane ready for takeoff, then meet at the EAA 866 building at 9am. All take offs by 9:20

Fly to X50, park near the fuel tank area. Grab your pie and walk to the Viking Aircraft Engine Hangar C3

EAT

Tour the facility, fly home

(questions? Call or text Kathy 321-795-8810)

Massey Ranch Airpark





*"Flying is not just some Pie-In-the-Sky hobby, there's people in them there skies too!"
-Les Boatright*

Party Pictures



Pres. Les and First Lady Amy



Trophy goes to Richard!









Christina's Happy Dance



Pictures by Chief Party Planner



Kimberly

This Months Flying

Don't have much flying to talk about this month. Been playing around with slow flight some, playing around with regions of reverse command. Turn Coordinator quit again so I'm grounded till that's overhauled.

Question: In your airplane, while maintaining altitude, what is your power setting for the slowest possible airspeed?

This question was asked of me when taking the oral portion of the CFI flight exam. ...If you haven't heard this one before just think about this for a while and let me know what you think the percentage of power available needed would be in your plane.



Larry

Hint: If we want to fly slower, the drag increase is such that we need to add more power and this is Slow Flight. The bottom limit of Slow Flight is the Stall.



Interesting isn't it that power setting for fastest and slowest airspeed seem to be the same?

Figure 11-14. Power required curve.

New Young Eagle writes appreciation note.

In December Les and I were involved with this 9 yr old and made a Young Eagle of him. He has applied and rec'd the ground school course for pvt pilot and is working on this! The note below was written by him thanking the chapter for the opportunity.

Larry

Thanks so much for giving me the flight. It has largely shaped and reshaped my dreams in becoming a pilot. I hope to have more flights with you, and I will do anything to help that.

Sincerely
Whit
Isaiah Kincaid

Dunn Airpark

Larry Gilbert

Good news for the turf runway users! The runways (04/22) may soon have visible markers. TICO Operations mgr Justin Hopman has shared some pictures of runway markers that they are considering for the turf runways. The ones I saw are cone shaped and are big enough to be easily seen. That's really good news!

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Airport Marking Cones

- High Visibility
- Large [Size](#)
- Easy Installation
- [Maintenance Free](#)

Cones are 36" in diameter and 24" tall. Installation is easily done by inserting (3) 80 penny spikes into the ground.

Cones are made from a High Molecular Weight Polyethylene (HMWPE) with a U.V. inhibitor for [protection](#) from the sun's rays. The material is completely maintenance free and is flexible, which helps minimize damage if struck by a lawn mower or aircraft.



Chapter officers

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Chapter Breakfast

Sat. Feb 2, 8:00 am

Bldg. 10 Dunn Airpark, Titusville, Fl

Chapter Meeting

Weds Feb. 6, 7:00 pm

Bldg. 10 Dunn Airpark, Titusville, Fl

Fly out/Pie out

To Massey Ranch (X50)

Sat. Feb 9 (see flyer in nsltr for details)