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EAA Chapter 846 Newsletter - Wdsworth,

Ohio Issue: 3

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Chapter Location

Hangar M-1

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3071 Greenwich Road

Wadsworth, OH 44281

Meetings are held on the 2nd

Thursday of every month

@ 7:00 PM

www.chapters.eaa.org/ea846

www.flyskypark.com

MARCH CHAPTER MEETING:

Join us for the upcoming EAA Chapter 846 Monthly Meeting on **Thursday, March 10, 2022 @ 1900**. The meeting will be held in our **"TOASTY" Chapter hangar!** Social hour begins after 1800.

March Meeting Agenda:

- Welcome to our heated hangar!
- Officer Reports
- March Safety Topic—Density Altitude, Chris Sopko
- Ray Scholarship Update
- Monthly Program— Chapter members Greg Hackett, Glenn Krafcik, Ed Pavlovich and Tim Conway fly the Bahamian Islands. Presentation by Tim Conway
- Project Updates



In Like a Lion...

Will invisible airplanes ever be a thing?
(answer somewhere in newsletter)



Welcome, New Visitors!

Chapter 846 welcomes visitor Don Masarik who attended our last chapter meeting. Don is an aircraft mechanic, flight instructor and retired Air Traffic Controller. Having been out of aviation for some time, he's thinking about getting back in the game.

Way to Go, Abby!



Member Abby Donofrio gave a great presentation on Wake Turbulence at the February meeting.

Chapter Polo Shirts Available

We now have Extra-Large polo shirts, grey and blue! Medium and large sizes are available. These will be available at the March meeting. The cost will be \$25. A few blue polo and gray T-shirts are also available.



LOOK SHARP!

The February Program went "Total Supersonic"

Ray Castner, aerospace engineer at the NASA Glenn Research Center in Cleveland, Ohio gave an awesome presentation last month. Ray is the lead for the X-59 Low Boom Flight Demonstration aircraft. This aircraft will demonstrate quiet low boom flight over land to enable



the aircraft industry to build efficient and economically viable supersonic transport aircraft. Many thanks to Mr. Castner for a great informative presentation.

Dues Are Still Due...!

Gary Baker, Treasurer

We currently stand at 75 members who have joined or renewed their chapter memberships. We finished 2021 with 110 members, so there are still 35 folks who are not current. Please complete the 2022 Membership Form and bring that and your \$25 with you to the March gathering. As always, I will be glad to empty your wallet. Checks should be made payable to EAA Chapter 846. Another method of payment is using PayPal thru the chapter website:

[Ch 846 Join-Renew-Donate](#)

Dues can also be mailed to me at:

Gary Baker
770 Victoria Circle
Medina, OH 44256



I would love to add your name to the paid member list!

Thank you for your membership in Chapter 846!

Looking for Feathers...

Brian and Sarah Burke have started their quest to purchase their first airplane. They are looking at Cessna 172's, Piper Cherokees, or



similar aircraft. If you know of someone looking to sell, please let Brian know at 216-406-5607.

One guy talked all about engines. He emphasized the importance of new engine break in: Did you know the harder they can first be run, and quickly, the better? And not to use synthetic oil initially? Another presenter was a Designated Airworthiness Rep (DAR) that is authorized to do your final FAA inspection. He provided a long list of specific things he looks for, many easily overlooked items, like switch markings, placards, N-number requirements, safety wiring, the number of exposed bolt threads, and much more.



On Feb. 22, 23, and 24, they did similar programs devoted to Ultralights, of which I listened to about 5 of them. They too were very informative. For example, one program talked about operating your ultralight at conventional airports. (If the airport is federally funded, they almost have to allow ultralight operation, but conditions will apply). Another was about 2 cycle engines by an expert. One concluding remark he made was that due to the variation of engine loading, he did not recommend any 2 cycle be used for aircraft that can fly over 75 mph. These engines are great for powered paragliders but terrible for helicopters.

A very worthwhile EAA program, check it out!

EAA Homebuilders Week

By Steve Bauman

The week of Jan. 24, the EAA sponsored the "EAA Homebuilders Week", numerous Webinar programs, each being 1hr and 15 minutes, running consecutively every 1.5 hours through much of the day for 5 days. The program was briefly mentioned at the January meeting. I participated in about a dozen of them and I found most of them to be highly informative. I took a lot of notes. If you missed seeing these, the recordings are available on the EAA website, <https://www.eaa.org/ea/aircraft-building/homebuilders-week>



EAA Chapter 846—Upcoming Calendar of Events

Thursday, March 10, 2022	EAA Chapter 846 Monthly Meeting	Monthly chapter meeting will be In the chapter hangar	7:00 PM
Monday, March 28, 2022	IMC Monthly Meeting	Wadsworth Airport (3G3) Administration Building	7:00 PM
Wednesday March 30, 2022**	EAA 846 Board Meeting	Board meeting will be held in Chapter Hangar	7:00 PM
Thursday, April 14, 2022	EAA Chapter 846 Monthly Meeting	Monthly chapter meeting will be In the chapter hangar	7:00 PM
Monday, April 25, 2022	IMC Monthly Meeting	Wadsworth Airport (3G3) Administration Building	7:00 PM
Sunday, May 1, 2022	Moraine Airpark (I73) Funday Sunday Fly-in!	Weather permitting!	8 AM – 2 PM
Thursday, May 12, 2022	EAA Chapter 846 Monthly Meeting	Monthly chapter meeting will be In the chapter hangar	7:00 PM
Sunday, May 22, 2022	Marysville (KMRT) Taco Fly-in!	Weather permitting!	10:30 AM– 3:30 PM

****NOTE— Chapter Board Meetings are subject to change. Please check [Chapter 846 Calendar](#) for last minute changes.**

Bahamas or Bust!

By Tim Conway



Chapter members Greg Hackett, Glenn Krafcik, Ed Pavlovich and Tim Conway flew the Bahamian Islands this

Glenn Krafcik & Ed Pavlovich



Cay, Long Island, The Exumas, New Providence (Nassau), Berry Islands and Bimini Islands.

We look forward to sharing our planning and experience with the chapter at an upcoming meeting!

Greg Hackett & Tim Conway



month in Ed's Beech Bonanza (BE36) and Tim's Cirrus (SR22). The total flight from Medina(1G5) to Naples Florida (KAPF) then off to the Bahamas and back was over 3500 miles, with just about 1200 miles flown at 1500-1800 feet above the Bahamian Island chain.


The Bahamian Islands include the islands of Grand Bahama, Great Abaco, Eleuthera, Cat Island, Rum

Ray Scholarship Update!

By Mike Guenther

Chapter 846 received some great news in the past few weeks with our Ray Scholarship program. After a very long and sometimes frustrating wait, Logan Cohara has finally received his FAA medical certificate. We were also awarded a full \$10,000 Ray Aviation Scholarship from EAA and the Ray Foundation for 2022. Logan will now use our newly awarded scholarship to begin his flight training! We are very excited to see him persevere through the FAA aeromedical process and begin his flight training journey. Our Chapter will now pursue a second Ray Aviation Scholarship for 2022 in the hopes of being able to award that later this year.

Abby Donofrio continues to prepare for her Private Pilot checkride coming up next month. She will be finishing her solo cross-country flights and getting ready to take the practical test in the coming weeks. Please wish her good luck as she closes in on the final chapter of her flight training."



"I just can't see them taking off"

Chapter 846 "Wall of Pride"

By Mary Baker

We have a lot to brag about: 2 young people that we have launched on their aviation journey via our mentorship and James Ray scholarship funds, and loads of Young Eagles participants, over 3,200, that we have introduced to aviation, but maybe we need to brag a little more about each other.

Have you seen our Builders' Wall? Now topped by a gorgeous sign courtesy of Tim Cochrane, and Greg Cantrell, we have a wall of plaques celebrating our members' proudest aviation achievements, the planes they have built or restored. 19 plaques crafted by Jay Waddell and Ron Lutz highlight members' beautiful airplanes. Luckily, they knew we would need a lot more than just 19 plaques. In fact, Chapter 846 members have built or restored over 50 aircraft, and we would like to recognize them all.

Have you completed a project? We want to celebrate your achievement. Send me a photo of your aircraft, (preferably 4" x 6") and all the details: your name, the airplane make, model, and year, date of first flight, type of build or composition, and N number. Send the information to my email, Mary Baker, at liblady_2@yahoo.com or bring the photo and information with you to the next meeting. We'll create a plaque to celebrate you and your aircraft.

Go ahead, brag a little!



Congratulations, Matt Tomscheck!

By Matt Tomscheck, DAR-F, DAR-T, A&P, IA

DESIGNATED AIRWORTHINESS REPRESENTATIVE (DAR)

Many, if not most of our members have heard of a DAR. DAR's perform almost all of the same tasks as a FAA Aviation Safety Inspector (ASI). DAR's perform tasks from either the Flight Standards (FSDO) or the Manufacturing (MIDO) lines of business of the FAA. The difference being is that FSDO ASI's perform recurrent certifications (maintenance), identified as a DAR-T and MIDO ASI's perform original certifications (manufacturers), identified as a DAR-F. There is cross utilization in some areas, primarily in the Special Airworthiness classification, Experimental category. However, some tasks are exclusively performed by the respective line of business.

What does this mean for the chapter members? The primary responsibility for certifying an EAB aircraft falls upon the DAR-F, original certification. However, this is one of the tasks that falls under cross utilization for the lines of business. A DAR-T can also do EAB certifications. Any type of recurrent Standard Airworthiness classification is performed by a DAR-F. These types of airworthiness certifications would include: import, export, replacement, amended, etc. I have been a DAR-F for several years and have certificated several EAB aircraft in the chapter. I was recently appointed a DAR-T by the Cleveland FSDO. Now that I have my DAR-T, I can assist you if you lose your standard airworthiness certificate or if your current airworthiness is no longer legible (mutilated). Also, if you are looking to buy an aircraft from another country, such as Canada, I can issue the US standard airworthiness certificate. There are many more tasks that can be accomplished by either a DAR-F or DAR-T, but the most relevant for our chapter members is in the area of airworthiness certification. Please don't hesitate to contact me if you have any questions regarding either of these designations or the tasks that can be performed.



Mark Your Calendars!

Annual Chapter 846 Young Eagles Day!

By Gary Baker

Our annual Young Eagles Day will be held Saturday, June 11, 9 am-2 pm, at Wayne County Airport (KBJJ). All chapter members are asked to participate. More details will be coming in the next few months.



Pilots need to be current in the EAA Youth Protection Program. The training is good for three years. More information can be found at <https://www.eaa.org/ea/youth/youth-protection-policy-and-program>.

Young Eagles Credits!

Every year EAA provides each chapter credits in the amount of \$5 for every Young Eagle flown. Because of Covid, credits from 2019 were rolled over into 2021 and combined with the 2020 credits. Our chapter received \$895 in credits, which were applied to the partial cost of \$1,605 of this year's Air Academy Camp.

We were recently advised that we also received credits of \$890 for last year. These credits will allow us to pay off the balance due of the camp. It also gives us monies that can be used for youth activities. Thanks go to all volunteers and pilots who helped fly kids over the past three years!



THE BUILDING CONTINUES...

Builder	Aircraft	Builders Log	Notes
Mike Baker	Sonex		Fitting cowling
Randy Brooks	Rans S-21	Builders Log	<i>(See article below)</i>
Jeremy Cowgar	Bearhawk LSA	Builders Log	<i>(See article below)</i>
Mike Guenthner	RV-8	Builders Log	<i>(See article below)</i>
Paul Hanchek	Steen Skybolt		The seats have been welded in
Dale Holmes	RV-7		<i>No Update</i>
Dale Housley	Volmer VJ-22		Purchased a project and a new set of plans
David Kopanski	Spezio Tuholer		<i>No Update</i>
Paul/Ron Lutz	Rans S-20	Builders Log	<i>(See article below)</i>
Bernie May	Zenith CH 750 Cruiser		<i>(See article below)</i>
Curt Speck	Zenith CH 750 SD		<i>No Update</i>
Joe Stefanini	SubSonex JSX-2		Recently started
Matt/Josh Tomsheck	Just Highlander		<i>(See article below)</i>
Rob Trout	RV-14		Working on the tail cone, riveting skins
Joe Walker	RV-7		Received Panel
Barry Wawrin	RV-14A	Builders Log	<i>(See article below)</i>
Brad Wurst	Wittman Buttercup		Recently purchased project
Jim Yurichak	Kolb Fire Fly		<i>No Update</i>
Jeff Zink	RV-7		<i>No Update</i>

[Members' Projects on the Chapter 846 website!](#)

Note– Project updates won't change from month to month unless updates are received.

If you have a builders log on-line (EAA builders log, KitLog, etc.) and wish to share, send me the URL- Karl

Zenith 750 Update:

By Bernie & Aaron May

We are currently working on the panel.





**Bernie May's
Zenith 750
Cruzer**

Highlander Project:

By Joshua Tomsheck

After running about 18" short on fabric on the roll to finish the top of the last wing we were able to get the fabric we needed to get fabric on all of our major airframe components. Both wings are completed up to the UV Filler protectant layer where they will remain until we are ready to paint the entire airframe. After many times pausing and



Bearhawk LSA:

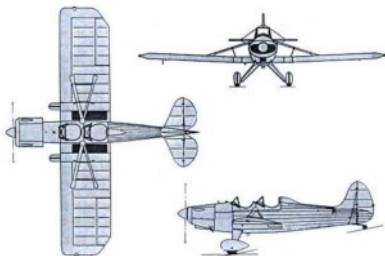
By Jeremy Cowgar

Started controls on right wing, on gear, stringers done, panel work underway, fire-wall mounted, control assembly installed, seats in, pretend flying with full motor sounds done...



Spezio Tuholer Project, Needs Help...

By David Kopanski



There won't be any progress on the Spezio until warm weather comes and I can get it out of the one-car garage and onto the driveway. I'm looking for

an inexpensive, close-by enclosed space to move it to so that I can lay everything out and get busy on it.

Does anyone have a resource which addresses the timing and progress of building and when to do what? If so call me at 843-269-5597.

I'm a newbie and don't have experience at this.

rewinding a YouTube video we were able to find good success (with a few frustrating moments) in completing some good rib stitching. The flaps, ailerons and landing gear legs are the only remaining components that need to have covering applied before that process will be completed. Josh will be covering the flaps and ailerons at his house after spending time fitting new leading edges for the ailerons to improve low speed handling. We received our engine back from STOL Creek Aviation after some upgraded performance parts have been installed including and EFI system and bigger cylinders for the Rotax 912. Once the wings are moved off the shop floor we will get the fuselage back in focus so Matt can work on plumbing the brake lines and mounting the panel. As always it is the most fun when we have 3 generations in the shop working on the project with my son Emmett coming in to help apply glue for the wing fabric.



Tomshecks' Highlander Wings



THE GREAT "RANS" RACE CONTINUES...



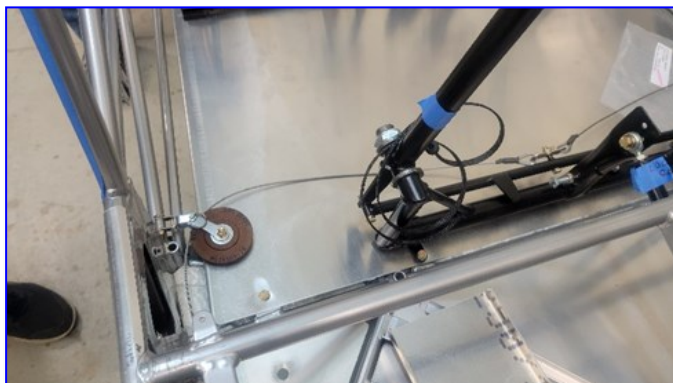
IN THE LEAD— Randy's S-21 Build:

By Randy Brooks

Work progresses on my S-21 build. I've installed the rudder pedal, brake cylinder and control stick assemblies.



Aileron Cable Pulleys



Aileron Cable Pulleys

Also, the cockpit aileron cable pulleys are installed. Next is mounting autopilot servo mounting plates and antenna doublers for the ELT, Transponder, VHF #2 and GPS antennas. The elevator push-pull tube is also installed for initial fitting.



Rudder Pedal and Control Stick Assembly Install

LAST PLACE- Lutz's S-20 Build:

By Paul & Ron Lutz

The Chapter Welder Gets Some Use

We used the Chapter welder to weld tabs on the fuselage that will mount our antenna ground planes. Thanks to Dave Manning for volunteering to weld the tabs to our fuselage.



Joe Walker Loves his Panel!



As SteinAir says,
"We're Not Happy Till You're Broke"

Reminder– Mark Your Calendars for Chapter 846 Young Eagles Day!

This year's Chapter 846 Young Eagles day will be June 11, 2022. It will be held this year at the Wayne County Airport (KBJJ). Look for details as the time grows near.



EAA CHAPTER 846

Chapter Meeting

Minutes of February 10, 2022

The meeting was called to order by President Chris Oehlers @ 1905

Chris introduced a guest, Don Masarik. Don is an aircraft mechanic, flight instructor and retired Air Traffic Controller. Having been out of aviation for some time, he's thinking about getting back in the game. Welcome, Don.

Treasurer Report: Gary Baker reported there are sufficient funds to continue Chapter business. He also highlighted his recent Financial Reports that he published showing Income and Net Worth statements. These were emailed to the Chapter members in good standing.

Gary also suggested that the Chapter formally purchase EAA Memorial Wall Plaques at Oshkosh for Bob Taylor and Pete Klapp. These are \$500 each. Gary made a formal motion to buy these plaques and it was seconded by Randy Brooks. The Chapter approved the measure by voice vote.

We will need volunteers to do the write-ups for these plaques.

Finally, Gary asked for anyone who doesn't have their picture on the Chapter roster to contact him to have their picture taken for the roster. This is posted on the Chapter online roster.

Secretary Report: None given as Secretary, Greg Cantrell was not in attendance. Refer to January 2022 minutes in the newsletter.

Chris asked for volunteers to coordinate the upcoming Chapter Christmas Party to be held in June. It will be an outdoor venue, possibly at the Skypark picnic pavilion.

Ray Scholarship Update: Abby Donofrio has rescheduled her checkride for April. Still needs XC. Logan Cohara is still awaiting his FAA Medical. He will be pushed to 2023 which will possibly open up a scholarship for 2022.

Monthly :10 Safety Topic. Abby Donofrio gave an informative presentation on Wake Turbulence. Great

job!

Monthly Program: Mr. Ray Castner, a 30-year NASA Aerospace Engineer at the Glenn Research Center gave a very interesting and informative presentation on the X-59 Low Sonic Boom demonstration aircraft. He is Lead Engineer for the nozzle design for the engine. The X-59 will be a one-off research aircraft to attempt to reduce sonic boom effects over land. If successful, the technology will be made available to Aerospace companies to possibly develop business jet and passenger jet aircraft that will fly supersonic over land. Thanks to Mr. Castner for a great presentation.

2021 Volunteer and Young Eagles Recognition: Paul Lutz and Gary Baker passed out pins and certificates to the officers and volunteers present for 2021 Programs. Thanks to all who volunteered their time.

Chapter Annex Building Project: Paul Lutz gave a short talk on the status of the Chapter Annex project. The plan is to proceed with building in late Spring. Plans and drawings are approved by Medina Co and we have permission from Skypark to move forward. However, we need a volunteer to coordinate this project. Please volunteer to lead this important project.

Chapter Sign for Oshkosh Blue Barn: Brian Burke showed a draft design made by his daughter Moira. The sign showed an aircraft towing a banner with pictures of other aircraft around the sign. The consensus was to have an EAB aircraft towing the banner which would read 'Since 1985, 52 Aircraft built/restored.' (or something to that effect). The aircraft around the sign would be representative of the aircraft built by Chapter members. Any ideas or inputs, please contact Brian

Meeting adjourned @ 2100.

