



The Hagerstown Homebuilder

chapters.eaa.org/EAA36 Hagerstown, MD

Vol. 30 No. 2

February

2021

Aircraft of the Month: Mark Hissey's Lego Aircraft



Any members who would like their aircraft featured in future newsletters as Aircraft of the Month, please send information and photos to Greg Thornwall at thorn@myactv.net

EAA CHAPTER 36

February 2021

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Published by
 EAA Chapter 36
 Hagerstown, MD
 301-797-1875
chapters.eaa.org/EAA36

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2021-22 OFFICERS AND SUPPORT STAFF	
President: Ray Franze raymond.franze@gmail.com	Vice-President: Gary Keller garylceller261@gmail.com
Interim Secretary: Dean Popio dmpopio@gmail.com	Treasurer: Dean Popio dmpopio@gmail.com
Young Eagles Coordinator: Curtis Berry cberry@myactv.net	Tech Counselor - Flight Advisor: Gary Hartle g.hartle@comcast.net
Technical Counselor: Jack Raun wrightraun@yahoo.com	Membership Coordinator: Nathaniel Anderson nsanderson2009@gmail.com
Webmaster: Carl Thornwall thorn@myactv.net	Newsletter Editors: The Thornwall Family thorn@myactv.net
Board of Directors:	
Joe Boyle joeboyle1@myactv.net	Mark Hissey mehissey@gmail.com
Jim Marsden jim.mindy@myactv.net	Austin Colby austin@colbytech.com

→→→ **Our next online general membership meeting will be held February 2nd** →→→

The President's Corner



Apparently EAA's founder, Paul Poberezny, used to refer to EAA as a "three-legged stool." The three legs—*Aviation, Education and Social*—are said to be the three components critical to supporting EAA's mission and successful chapters.

EAA supports keeping business out of monthly chapter gatherings—as do I and many of our members. Leave the business primarily to board meetings and use chapter gatherings as a time to be social, educational and aviation related. We are slowly but surely piecing together a lineup of guest speakers and presentations although *when* this plays out is dependent on the comfort-level attending a public event of both our presenters and the audience.

The other key takeaway was the quote, "*If you ain't growing, you're dying.*" While this quote pertained to membership, it applies to activities as well. Results from EAA's past annual surveys indicated "Lots of Activity" vs "Lack of Activity or Boring" were the number one reasons a chapter member would—or would not—recommend their chapter to others.

I envision a thriving EAA Chapter 36, and I'm ambitious with the programs I would like our chapter support. I am, however, also a realist. I realize many of our current members have already selflessly devoted their time and efforts to support this chapter for many years; and many of our current members have more to life than just EAA 36. When many of our activities are supported by a core group of dedicated volunteers, I do believe part of the reality is we need to grow so our chapter doesn't wither away.

For those members who have been around the block a few times, I ask for your continued guidance and mentorship. For our newest members, I ask for your enthusiasm and to help us bring in more members by reaching out to your friends, family, and social networks. We don't want members to attend events because they feel like they *have* to or *need* to—but because they *want* to.

We are currently penciled in for our annual Banquet on March 13th at the Parlor House—but is this a realistic goal? Let us know if you would attend in March or when you would be comfortable attending. While it's out, I know many who may want the vaccine may not have had the ability to get it yet as many of the initial doses are still earmarked based on age and/or vocation. In the meantime, don't forget to submit your votes for the Hale Andrews and Chapter 36 Awards. These awards highlight members you feel have gone the extra nautical mile for the chapter. Votes can be submitted using the link found in this newsletter or by email.

Thank you! to those who completed our annual chapter survey. Approximately 35% of our members have responded, hopefully we have many more coming in soon. The Board will take a look at the results to help us with our flight plan moving forward for 2021. If you haven't completed the survey yet, please do so as your feedback is vital to the health of the chapter. You can find the link in the newsletter.

And Thank You! to those who submitted your annual chapter dues. For those who haven't yet, please get them in as soon as possible. This helps provide an accurate picture of our financial position going into the year and the health of our active membership for email updates, flyout invitations, possible volunteer network, committee membership, field trip invitations, etc.

We'll gather online one more time in February. My goal is to gather in person starting in March and hopefully onward from there.

Does anyone else feel like a toddler—ready to run but having to settle for baby steps?

Safe skies

Chapter 36

News and Events

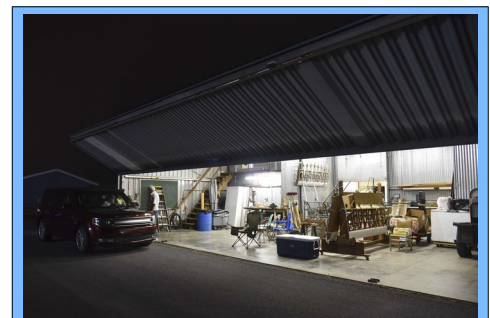
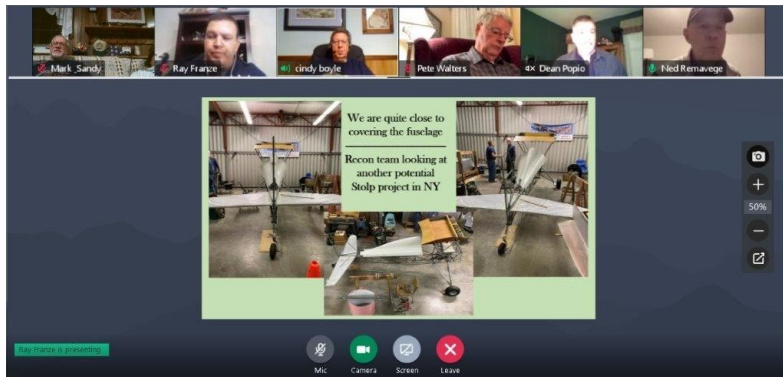
January's Virtual Meeting Agenda:

Attendees (all virtual): Ray Franze, Gary Keller, Jenny Keller, Dean Popio, Joe Boyle, Mark Hissey, Sandy Hissey, Pete Walters, Greg Thornwall, Olga Thornwall, Elizabeth Thornwall, Carl Thornwall, Jay Kanagy, Ned Remavege, Tobias Mottley, Aidan Bedwell



Agenda: Finances, Current Projects, In the News, Upcoming Activities, Chapter Needs, Good Night

Current Fuel Prices		
as of January 19, 2021		
Airport	SS	FS
Hagerstown	\$5.20	\$5.95
Frederick	\$4.99	\$5.74
Martinsburg	\$4.45	\$5.15
Winchester	\$3.94	\$4.19
Cumberland		\$4.65
Carroll County	\$4.56	\$5.56

www.airnav.com



Weekly Build Nights at the Chapter 36 Hangar, Monday nights at 7 PM

February	
 <p>Online Meeting</p>	<p>Virtual general membership meeting on Tuesday, February 2nd at 7:30 PM.</p> <p>https://global.gotomeeting.com/join/248292133</p>
 <p>YE RC Build & Fly</p>	<p>Starting February 18th, YE RC Build & Fly program meetings will take place every Thursday at 7:00 pm.</p>

Take the Chapter 36 Surveys:

Chapter Survey

https://docs.google.com/forms/d/1YBqSunm_nleyczdfowreZfB1_4oGhVZQukz13i_3Hak

Awards Survey

https://docs.google.com/forms/d/14jnDW6Td2ZxJvzf4NJLoZ2E4v-0ataoQZEbn1QXA_Ug

Upcoming Chapter Leadership Training Webinars:

2/11/21 7 p.m. CST

[Habits of Highly Successful Chapters](#)

2/18/21 7 p.m. CST

[Chapter Programs and Activities](#)

2/25/21 7 p.m. CST

[Chapter Online Presence](#)

3/4/21 7 p.m. CST

[Tax Exempt Basics and Fundraising](#)

3/11/21 7 p.m. CST

[Insurance and Risk Management](#)

3/18/21 7 p.m. CDT

[Resources Available To Chapters](#)

EAA AeroEducate Initiative Helps Young People Explore and Cultivate Aviation Interest

AeroEducate, the newest youth aviation initiative from EAA, will bring an interactive, educational, and engaging experience to young people ages 5 to 18 beginning in 2021.

Full Story:

<https://www.eaa.org/ea/news-and-publications/ea-news-and-aviation-news/news/1-21-2021-aaa-aeroeducate-initiative-helps-young-people-explore-and-cultivate-aviation-interest>

Renovations in full swing at new Hagerstown Aviation Museum home

After 25 years of building up a collection of planes, memorabilia and archives, the Hagerstown Aviation Museum is months away from opening its new home to the public.

The museum, which includes 23 historic airplanes, is moving from 14235 Oak Springs Road off U.S. 11 north of Hagerstown to its new home at the former Fairchild dome hangar in the New Heights Industrial Park along Showalter Road.

While events can be held before the renovations are complete, the hope is to open fully to visitors by early summer, according to museum President John Seburn.

Full Story:

https://www.heraldmillmedia.com/news/local/renovations-in-full-swing-at-new-hagerstown-aviation-museum-home/article_b19101ee-97e2-5433-a0b2-f8ff14002fab.html

Largely unaffected by the pandemic, Leesburg airport plans \$8.2M westward expansion

Leesburg Executive Airport in Virginia plans to develop 200 acres of land next to the runway as part of an \$8.2 million expansion project that will help accommodate surging aircraft traffic and the need for more hangar space. The airport's director said that despite the pandemic, the airport has been busier than ever, due in part to a significant increase in flight training.

Full Story:

<https://www.bizjournals.com/washington/news/2020/12/31/leesburg-airport-expansion-planned-steady-covid.html>

NASA's X-59 Takes Shape

NASA's X-59 supersonic demonstrator aircraft is 50% complete, with the closing of the wing section finished and the joining of other components, such as the tail and fuselage, coming soon. The aircraft should be fully assembled in 2021, with the first flight planned for next year.

Full Story:

<https://www.ainonline.com/aviation-news/business-aviation/2021-01-04/nasas-x-59-takes-shape>

Weather vanes fund EAA chapter's scholarships



A New Jersey Experimental Aircraft Association chapter has found a unique way to raise money for its scholarship fund.

The project, a Cub weathervane that is completely hand built, has become so popular that [EAA Chapter 898](#) has even gotten orders from pilots as far away as Florida.

The idea for the weathervane was born about 25 years ago, according to the chapter's president, Robert Newman.

The veteran teacher and aircraft builder had volunteered to teach classes given by [EAA](#) for people interested in building their own airplanes. "I was looking for a project, something that people could build and take home with them," he recalls. "I came across a Piper Cub model airplane in a hobby shop. I said to myself, 'I think that would really make a neat project if I can convert it from a flying model to something in metal.'"

He took the model and created a handcrafted weathervane made out of aircraft aluminum.

The project covers the entire gamut of skills needed to build an airplane, according to Newman.

It starts with learning to read plans. Then there's a litany of hands-on activities: "Sheet metal layout. Following a drawing precisely in terms of laying out rivet holes, bending of sheet metal, folding sheet metal, riveting, drilling, and tapping for all of the bolts and fasteners that are involved in it. It's riveted together along the bottom, so they learn something about both pull rivets and driven rivets that we use in the airplanes that we build."

"And there are some unique things, such as using some special jigs and fixtures that I've created to make the parts to form the hull. The wings are kind of unique in that they look like they have wing ribs in them. I came up with a clever little jig that I use to stamp sheet metal so that when the wing is made, it actually looks like it has 20 or 30 ribs across it. It looks really cool."

And don't forget the finishing touches, including sanding and painting, says the veteran homebuilder who is now on his eighth airplane project, a Van's RV-14.

Besides using the project in the EAA classes, Newman made weathervanes for friends and family. He eventually put the patterns away, deciding "not to bother with this anymore."

That changed in 2019, when he became president of EAA Chapter 898, which is based at Ocean County Airport ([KMJX](#)) in Tom's River, New Jersey.

Chapter members decided to devote their efforts to replenishing the chapter's scholarship fund. The goal is to raise \$2,000 a year.

"We give out \$500 scholarships to high school seniors going into aviation," he says. "But we also give grants to local people who are in a training program at our airport who want to become private pilots."

But the chapter, which has about 50 members, was finding it increasingly difficult to raise \$2,000 every year. They decided that raffling off a weathervane was a good way to raise money.

With raffle tickets going for \$20, the chapter soon found itself raising about \$200 a month just among its members who wanted a chance to own a Cub weathervane.

That led to putting a weathervane in the FBO, where anyone could participate in the raffle. But they discovered that people didn't really want to take a chance on a raffle and would prefer to buy a weathervane outright.

"We sell them for \$150 to anybody who wants to buy one," he says....

Full article @

<https://generalaviationnews.com/2021/01/11/weathervanes-fund-eaa-chapters-scholarships/>

Other Aviation Articles:

That Time B-2A Spirit AV-3 Made An Emergency Landing On Rogers Dry Lake And Firetrucks Couldn't Find It

<https://theaviationist.com/2021/01/04/that-time-b-2a-spirit-av-3-made-an-emergency-landing-on-rogers-dry-lake-and-firetrucks-couldnt-find-it/>

Use this remarkable Japanese process for consistent performance

<https://aopa.org/news-and-media/all-news/2021/january/flight-training-magazine/on-point>

Checkride 101: Checkride professionalism

Setting the stage for success

<https://aopa.org/news-and-media/all-news/2021/january/flight-training-magazine/checkride-101>

Civilian Controller Spots Snag, Prevents Osprey Crash

<https://www.avweb.com/aviation-news/controller-spots-snag-prevents-osprey-crash/>

FAA Safety Alert Addresses Pop-Up ATC COVID Closures

<https://www.avweb.com/aviation-news/faa-safety-alert-addresses-pop-up-atc-covid-closures/>

CAP forensics leads to holiday-week saves

Rescues in Oregon, Idaho reunite families

<https://aopa.org/news-and-media/all-news/2021/january/12/cap-forensics-leads-to-holiday-week-saves>

Questions from the Cockpit: Break glass in case of emergency

<https://generalaviationnews.com/2021/01/21/questions-from-the-cockpit-break-glass-in-case-of-emergency/>

What's New at the Museum

<https://www.eaa.org/ea/news-and-publications/ea-news-and-aviation-news/news/12-29-2020-whats-new-at-the-museum>

Experts explain the correct way to clean avionics, instrument panels, and personal devices

<https://aopa.org/news-and-media/all-news/2021/february/pilot/efficiency-desinfecting-airplane>

It could happen to anybody...

<https://generalaviationnews.com/2021/01/24/it-could-happen-to-anybody/>

Training Tip: Teach it to learn it

<https://aopa.org/news-and-media/all-news/2021/january/25/training-tip-teach-it-to-learn-it>

Would you fly more if it cost less?

<https://generalaviationnews.com/2021/01/26/would-you-fly-more-if-it-cost-less/>

February EAA Webinars

Date	Time	Title	Presenter(s)
2/2/21	7 p.m. CST	Avionics Options for your Homebuilt Aircraft with Dynon HOMEBUILDERS WEBINAR SERIES	Michael Schofield After hundreds to thousands of hours working on your airframe, it's time to decide how to equip your panel. In this webinar, we'll cover general considerations such as matching your avionics to your flying and budget, product choices and configurations from Dynon and Advanced, and additional ways you can reduce your installation time with an ADVANCED PANEL.
2/3/21	7 p.m. CST	How Mags Work Qualifies for FAA WINGS and AMT credit.	Mike Busch The spark plugs in most piston aircraft engines are still powered by 120-year-old technology. Since so many of us are still flying behind these archaic "tractor mags" it's probably a good idea for us to understand how they work. In this webinar, Mike Busch A&P/IA takes you on a guided tour of the internal construction and functioning of aircraft magnetos.
2/9/21	7 p.m. CST	Corsair: The Story of the EAA Aviation Museum's F4U Corsair MUSEUM WEBINAR SERIES	Chris Henry This presentation will detail the development of the F4U Corsair along with a rare view of the history of EAA's example. Chris Henry of the EAA museum staff will share fascinating stories about the people involved in the airplane's air racing days as well as the restoration to its current status as a museum artifact.
2/10/21	7 p.m. CST	ATC and You: How to Make the Most of Flying VFR Qualifies for FAA WINGS credit.	Richard Kennington and Bob Obma Pilots avoid controlled airspace for many reasons, but in so doing they don't take advantage of all the system has to offer. This course will identify reasons why pilots should communicate with ATC, utilize flight following, and embrace controlled airspace. We will identify misunderstood procedures, clarify phraseology, and demonstrate how to operate in the system more efficiently. Pilots of all experience levels will benefit from attending this course.
2/16/21	7 p.m. CST	Flying Procedures into Canada Qualifies for FAA WINGS credit.	Luke Penner So you want to take a trip to Canada but don't know all you have to do to cross the border to and from the U.S. Attend this FAA WINGS presentation and learn answers to common questions, such as how the customs process works and how easy or hard border crossing is. Join CFI and Aerobatic pilot Luke Penner as he talks about complying with border crossing requirements.
2/17/21	7 p.m. CST	ATC and You: Balancing IFR Flying and the Efficiency of Controlled Airspace Qualifies for FAA WINGS credit.	Richard Kennington and Bob Obma Do you know the impact your flight has on the ATC system? Many pilots don't realize how they are affecting the flow of air traffic, but with a little knowledge everyone can contribute to the safety and efficiency of the airspace system. This course will explore some misunderstood procedures and give a behind the scenes perspective that will help you make the most of your flying in controlled airspace. We will use IFR examples but the topics covered will benefit VFR pilots as well.
2/24/21	7 p.m. CST	Owner in Command: Things I Wish I Knew Before I Knew Them Qualifies for FAA WINGS and AMT credit.	Sebastien Seykora A detailed look at the maintenance decisions and responsibilities of owning a certified or amateur-built aircraft, with special emphasis on Canadian rules and registered aircraft. Covering regulations, maintenance schedules, service bulletins, airworthiness directives, and various manufacturers service instructions in order to determine when and how to inspect and maintain registered aircraft.

Ray Aviation Scholarship Update



“This month has been productive and a lot of fun. I have flown several times working on untowered field communications, VOR Navigation, short field and soft field landing, and power-off 180s. On Tuesday the 19th, I completed my stage two ground check; however, I could not complete the flying portion that day due to high gusting winds. My flight check is scheduled for the thirty first. In more personal news, I was accepted to North Carolina State University and the University of Colorado at Boulder earlier this month, and I found out I had my decision for admittance to Georgia Tech deferred to mid-March.” – Aidan Bedwell

Member's Page



Elizabeth Thornwall's IFR Training

“This past month I have been continuing to train for my instrument rating. Mostly this has been flying VFR practice approaches under the hood. I now have just over 20 hours of simulated instrument time; halfway to the 40 hours required for the instrument rating. I passed the Instrument Stage Two Check this month and also filed IFR for the first time, although it was a really short flight and in VFR conditions. The past week hasn't been great for flying and, since we've had several snow and ice storms recently, I moved the plane to Hagerstown to keep in the hangar instead of tied down outside at Frederick. I have been using the time when I'm not flying to study for the IFR written test.” – Elizabeth Thornwall



Celebrating Chapter Members: Have you recently completed a milestone in flight training? Taken a special flight? Have any aviation related news? Let us know for next month's newsletter!