

The Frederick Flyer

IN THIS ISSUE

- President's Letter 1
- What I Learned at AirVenture . . . 2
- What I Learned (cont.) 3
- Chapter Meeting 4
- Board Meeting 4
- Young Eagle 4
- RV-10 Progress Report 5
- Choices Lead to Space 6
- August Chapter Mtg Photos . . . 7
- VB Open House Photos 7
- Club Bulletin Board 8
- Oshkosh News 8
- Vintage News 8
- Chapter Officers 9
- Calendar 9
- Chapter 524 Exploits 9
- Local/Fly-In Events 10
- EAA Webinars 10
- Chapter Information 10
- Member Application 11

President's Message

There is a kids' joke you may have heard. How do you eat an elephant? One bite at a time.

The same is true for building an airplane. The whole thing can be daunting, but take one part, wire or nut at a time, progress will be made and before you know it you have an airplane that is both a mechanical marvel and a piece of art.

This month we kick off the start of our chapter's Zenith 750 airplane build with the local veterans' community. It is a great opportunity to socialize and develop new skills. Look for days and times in the newsletter. In the meantime, the finishing touches on the RV-10 are still underway, most Tuesday and Thursday evenings.

Larry is taking a much-earned break from the IMC meetings this month, but they will return next month. The VMC meeting are starting to meet in person at the chapter hangar on the third Monday of the month.

I hope everyone is having a great summer.

Take care everyone,

Chris
President
EAA Chapter 524



Blast from the past . . . 2019
. . . AOPA 80th anniversary Fly-in





What I learned at AirVenture 2021



This was my first AirVenture, and boy am I tired.

Back in 2019, I was just getting back into aviation after a long hiatus. I planned to go to AirVenture in 2020 to look at different airplanes before picking a plane to build, but I knew by the end of February 2020 that was not going to happen. So I picked a plane and started anyway, finished up my Private Pilot license during the pandemic, and started wondering if it would be okay to go to AirVenture this year. It turned out it was. I could go for four days (had to get back to Baltimore on Friday). I had a mission, with

priorities: Find an engine for the Tiger Moth, look in detail at panel options, look generally at lighting and equipment options, and learn what skills I need to acquire over the next year to two in order to do Phase 1 flight testing. I pretty much did that. I knew five other people who were going, and figured I might run across them. I never saw any of them. I met and talked to lots of people, saw a lot of gear, watched parts of two airshows, got caught in the rain, got a little sunburned, had a very personal moment in the Warbird Park, and got a little refresher on fabric covering.

Monday was sunny. I followed the rather modest traffic jam to parking, rode the bus over, and walked into a garden of airplanes. There are all kinds of airplanes at AirVenture. There are jets of various sizes, from a tiny Williams-powered experimental that was surprisingly crude, to the very slick single-turbine, single-pilot Cirrus Jet, through the various Citations and up to the really big UPS 747-8. I was surprised to find that "vintage" airplanes included the inhabitants of "Comanche Park" (an unofficial community), though when I checked the registration of the first few in the row, I learned they were all older than me. I later learned a lot of the planes I learned in turn out to be "vintage." There are many low-wing pistons, including the RV varieties, high wing pistons, and rather fewer biplanes, mostly variations on a Pitts or a Stearman. The canards seem to have two major variants. The EZs and Cozys can be identified by their noses kneeling on the ground, as if bowing to the Velocities across the road. EZs look very cramped, the Cozy somewhat less so. The Velocity is roomy, probably more roomy than my car (a Model 3). On Monday I learned that the Rotax and Jabiru aren't great fits, either from a cost vs power standpoint, or just getting into the cowling. There was a very promising Jet-A-fueled combined-cycle engine from AC-Aero. It's not really a diesel, because it is spark ignition, and is a two-stroke inverted engine. But it's expensive, and it's currently flying in exactly zero airplanes. I learned I need a Safety Officer for my flight test program - somebody whose main job is to say "Stop!" or ask annoying questions about how decisions are being made. I learned I need a giant compressor for painting.

Tuesday was rainy. It was muddy when I got on the bus. At least Tuesday I had a general idea where things were. I looked around a bit and then took the tram down (rather than walking!) to the ultralight area. I got a refresher on fabric covering. I got a look at an upright inline Mitsubishi-derived engine that would work, but I'm not wild about it. I got some information on how to approach a flight test program: Be able to fly the same course and speed for three minutes within five degrees and one knot. Be able to climb or descend at a specific rate. I learned that F-15s are loud. Really loud.

... continued





What I learned ... continued



Wednesday started sunny, and I had my friend Melissa along, just for the day. We looked at a bunch of airplanes, including some weird ones. Three of them looked like various oversized drones, none of them actually flew. I found another upright inline engine that I like, though it spins the prop backwards. I learned about hypoxia, at surprisingly low altitudes. I learned how to find my hypoxia danger altitude (which I'm pretty sure might be well below 10,000 feet) and why you can't fix hypoxia once it's bitten you. I learned some interesting details about autopilots, and the important difference between holding an altitude and holding zero vertical speed in turbulence. (When it's bumpy, you want the latter!) I learned why we're more likely to get autothrottle before yaw dampers on small airplanes. (It's too easy to excite small, lightweight airplanes. Big masses are easier to dampen.) We went down to see the Fisher Dakota Hawk, and I learned Melissa had never seen an airshow. She liked the biplanes, but she really, really liked the Goodyear Blimp. I learned that F-16s are also loud, and they can go supersonic (barely) at surprisingly low altitudes. It started to rain, just a little, but a storm was coming, so the airshow ended just a little early, and for three hours there was a steady stream of planes leaving ahead of the storm. The night air show was cancelled, and airplane tiedowns got snugged up. Winds gusted into the 30s, but nobody got flipped over or blown loose.

Thursday morning there were fewer airplanes, and more muddy patches. I went to a session on flying in controlled airspace done by controllers. They were great guys with a great sense of humor, who had a lot of details on why the system behaves as it does. My favorite line about his busy southern California airport: "You can file whatever you want, but you're going to get a canned departure, because that's what works for me." I stumbled across two suppliers of parts like throttles and mixture cables. I looked at lights and had a conversation with one of the Dynon guys about where to put the ADAHRS (I was thinking about it wrong) and got some details about the difference between versions of the hardware and software. I talked to two guys about helmets, and two guys about parachutes. (There was a discussion earlier in the week about when and why you should wear a helmet and parachute during Phase 1.) I finally wandered up to the warbird area, and there were three Corsairs. My grandfather built R-2800 Double Wasp engines, for two years in Hartford and then relocated to the new Kansas City plant in early 1943. He was a machinist and a line manager, part of the cadre that would staff up and operate the Wasp line for three years, producing engines for the Pacific Theater, mostly for Corsairs. It's likely that his line built at least one of those engines I saw today.

Four days of walking around, sitting sometimes. Four days of way more than I could comprehend, four days of people from all over with all kinds of backgrounds and all kinds of opinions, on everything, occasionally including airplanes. And lots of airplanes. I had a great time, but it was exhausting. I doubt I'll go next year, but if the Moth is done the year after....

by Tom Comaeu, VMC Club Coordinator





Chapter Meeting

05 August 2021

Meeting called to order at 7:07 p.m. by Chris Gunther

- Tom Comeau has made a lot of progress on his Moth the last 18 months; progress on EAA Builder's Log
- Rex Bullinger contacted Mark Forss and he's interested in doing a workshop in January or February.
- Jerry - took Mike Hendricks up in the Cub for the first time and flew around Harpers Ferry and came back. Entered right downwind for 23 and cleared to land, but battery-operated ADS-B wasn't on at the time. A 172 came in 200 feet above and 200 feet to the side of him. Be vigilant.
- Neil has the wings closed up on the Bearhawk. Control surfaces are built and fuel lines and valve are installed. Has begun covering ailerons and flaps. Hoping to begin some fabric covering this weekend.
- Steve Gross reported that the RV-10 build is proceeding at a continuous pace. The engine and avionics are installed. Front cowl is done, and the baffles are in process. End of next month, they'll start putting the wings on it. Should fly in about 3 or 4 months after wing install. Will be painted in March. Interior has arrived and needs to be installed.
- Mark Gosselin - 5 veterans have signed up for the open house for the veterans build. Will be Saturday, August 14 from 11 am to 2 pm. Looking for chapter members who would be willing to work with the veterans on the build. Have an Air Force vet who's also a mechanic who's interested in participating, but none of the others have any building or aviation mechanical experience (yet). Mission BBQ will serve lunch.
- Mary Ann has received an EAA national award for the Chapter Newsletter.
- "Choices Lead to Space" John Verljen
- 50/50 \$70 with \$35 each for the scholarship fund and Raegan

Meeting adjourned at 8:35 p.m.

Submitted,
Erick Webb, Secretary

Board Meeting

12 Aug 2021

Board Meeting

Chris Gunther, Mark Pankratz, Larry Jarkey, Mary Ann Alvarado, Tom Comeau, Mark Gosselin, Ernie O'Roark, Erick Webb

Brought to order at 7:01 p.m. by Chris Gunther

- Chris reviewed that our first in-person meeting last week; about 18 people by Chris' count.
- Mark P. has a Young Eagles flight tentatively scheduled for Ernie on Monday or Tuesday (August 16 or 17) in the afternoon, or on the weekend. Young Eagle parent is willing to drive, YE is 13 years old. Zodiac is unavailable, Cub is available and would have to be Jerry to do the flight (Ernie has other commitments).
- Monday is VMC Club meeting and will be in-person. IMC Club will not be held this month. Tom will meet with Larry Saturday afternoon to be sure he can get in and set up and review all the tech. Five people have signed up so far.
- Mark G. updated us on the Veterans Build. The open house will be Saturday, August 14 from 11 a.m. until 2 p.m. The committee will meet before the open house to schedule the build. The box from Zenith was opened today but they will have to dig through layers of packing material to get to the parts. Ernie will help with inventory and organization of the parts and tools. Wanted to set up parts/pieces for the rudder for the open house, but the Chapter hangar isn't ready for new parts to be set out yet (still too many RV-10 parts lying around). Will use sheet metal workshop leftover materials as a hands-on thing for veterans to do and lay out tools to show everyone. Currently working on PowerPoint for Saturday. Will encourage participants to join EAA national and the Chapter to be sure they're covered under our Chapter insurance.
- Mark P. said the September presentation will be Carlo Cilliers talking about his scratch-built Hatz biplane.
- Ernie plans to document the Veterans Build the same way he documented the Cub build.

Meeting adjourned 7:37 p.m.

Submitted,
Erick Webb, Secretary

Young Eagle Flight



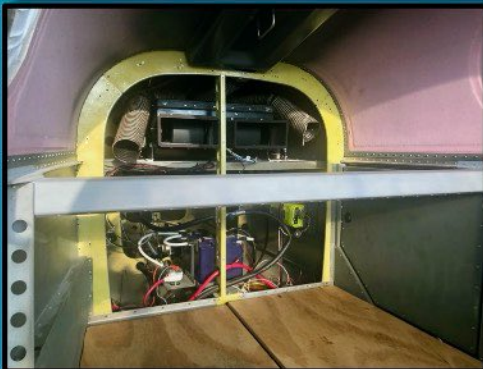
On June 24th, I took Deeva Patel on a Young Eagle flight out of Leesburg, VA. She very much enjoyed it, as evidenced by her smile as she explored some very steep pitch and bank angles while flying the aircraft. Her mother later shared that she spoke of the flight extensively, and is interested in learning more about flying! Way to fly Deeva!

Mark P





RV-10 Progress Report



The RV10 has moved out of the hangar, wings and all, and now resides at "Hanger 22". Volunteers are encouraged to drop-in to help when they can. The build is looking great and you should check out the chapter hangar, by the time we meet in September it will have been cleaned from top to bottom.

Grab a friend or family member and bring them by the hangar. Tuesdays and Thursday nights, 6-9pm are the usual build days and time through the summer months.

Stay tuned to the [chapter calendar](#) for scheduling changes.

The 750 Cruiser has arrived and uncrated. The Veterans Build Open House was a huge success. Special thanks to Mark Gosselin, Tim and Doreen Reger, Mark Pankratz, Steve Gross, Ernie O'Roark and the many volunteers that showed up to help.

Hope to see you at the hangar for the September 9th meeting!



Choices Lead to Space

Choices Lead to Space

John Varljen
Varljen Consulting LLC
5 Aug 21

Position Navigation & Timing (PNT)

- Position Timing (most used mission)
 - Nano-second precision
- Precise Navigation < 3m and degradable
 - C/A Code, P-code, M-code (anti-jam) and more?
- Nuclear Detonation Detection
 - Not well known- actual reason GPS was funded

Tularation

Space Tourism

- Virgin Galactic
- Blue Origin

UNITED STATES FREQUENCY ALLOCATIONS THE RADIO SPECTRUM

Math and Science

- Education provides CHOICES!
 - Math - Just a tool for modeling the physical world
 - Chemistry - For me? Fuel mixtures
 - Physics - The study of everything!
 - History - Provides context
 - Flight training uses all of these plus arts

Science is a tool for Human Exploration

Extent of GPS Dependencies

- GPS Supporting Power Grid Systems
- GPS Supporting Banking Operations
- GPS Supporting Transportation Systems
- GPS Supporting Communications Systems

Space: Exploration

Someone in this room might be the first person to walk on Mars!!!

Typical WGS Antenna Coverage

Space Weather

Solar and Heliospheric Observatory (SOHO)

Missile Warning

- Infra-Red Surveillance from space
 - Launch, mid-flight and terminal detection
 - Missile plume characterization
- Compliments RADAR Tracking (like AEGIS)
- Preliminary Bomb Damage Assessment

Space & Time

What do you see?

JHF Follow On (UFO)

Large Receiver

Comms Operations - GEO Constellation

Terrestrial Weather

<https://www.nesdis.noaa.gov/how-satellites-work>

JPSS-1, DMSP, GOES-R

Neil Degrasse Tyson

<https://www.youtube.com/watch?v=0D0d8UgU6G0&feature=fvnd>

Mobile User Objective System (MUOS)

- Comm on the Move
- Four UHF GEOs + Spare
 - 36 Spot Beams
 - Earth Coverage Beam
 - Legacy Payload
 - Compatible With UFO
- Provides ~ 10x current UFO capacity
- Handheld terminals 32 Kbps

Wideband CDMA waveform and multiple Tx/Rx beams (frequency re-use)

Influential Reading

- Cosmos – Carl Sagan
 - Astronomy, Biology, History, Chemistry
- Connections – James Burke
 - How Invention affects history
- The Day The Universe Changed – James Burke
 - How Technology affects Humanity
- The Elegant Universe – Brian Greene
 - M Theory/ String Theory
- Jonathon Livingston Seagull – Richard Bach
 - Always strive to be better..

I would like to introduce John Varljen, Varljen Consulting LLC, but I just can't do him justice. Toggle the page heading and the hyperlink will take you to the pdf presentation that gives a great bio of an amazing career. The file is loaded on the EAA Chapter 524 webpage; John Varljen highly recommends Neil Degrasse Tyson's "The Most Astounding Fact" video.

NOAA Satellites
<https://www.nesdis.noaa.gov/how-satellites-work>
 or <https://youtu.be/oeCixBQVMI>

Perseverance Rover's Descent and Touchdown on Mars
 (Official NASA Video)
<https://youtu.be/4czjS9h4Fpg>

Juno Mission Science Overview
<https://youtu.be/L6Eoxn-1Pf8>

The Most Astounding Fact - Neil deGrasse Tyson
<https://youtu.be/9D05ej8u-gU>



Meeting in the Hangar

2021 August 05

It was great to get back to the hangar. This month's presentation was amazing! If you didn't get to attend, John Varljen has kindly sent a copy of his slides in pdf format and the video links used. It appears that he added a few more slides in addition to his initial presentation. I regret that you missed his energy and enthusiasm on the subject matter because he was very engaging.

For more information, see page 5 and take advantage of the hyperlinks.



August Meeting Back in the Hangar 2021



August Veteran Build Open House 2021

2021 August 05

The open house was a huge success. Mark Gosselin did a great job of running the event, providing an overview, hands on metal working project and one of the members paid for Mission Barbeque to be at the event. The Piper Cub came out to play along with Mark Pankratz and Steve Gross's planes. The weather didn't cooperate for any flights and the cub was put away before weather let loose.

Chapter members met early to do some clean up and plan to meet on Saturday, 21 August to continue the cleaning and purging.





Club Bulletin Board

Newsletter Editor Award

Congratulations EVERYONE!

National has recognized EAA Chapter 524 for a newsletter award. Keep up the great work. Just think of all the fun just waiting to be documented this coming year. Keep the pictures and stories coming!



VMC Club August News

The VMC Club had our first ever in-person meeting, which the rain held to just five people. We had visitors from Annapolis and Harrisburg, and three locals, one of whom will be joining the EAA. We had an excellent discussion of the challenges of flying with high density altitude, and how to mitigate the risks. We plan to be back in the hangar again at 7:00pm on September 20th, and VFR flyers of all ratings and experience are welcome to join us.

Jeff Bezos' space company Blue Origin is suing NASA as the flight escalates with SpaceX over a lucrative moon-landing contract

At the August 5th chapter meeting, the presenter, John Varljen, touched on this subject. Escalation is a mild adjective, the internet is filled with different news sources if you wish for more information.



"On Laughter-Silvered Wings," by Keith Ferris, 1995. © by the artist. The original of this painting, 32" x 24", oil on canvas, depicting John Gillespie Magee's Supermarine Spitfire, is available through Keith Ferris Art, Inc., at <https://keithferrisart.com/product/on-laughter-silvered-wings-original-painting-by-keith-ferris/> ¹

OSHKOSH News

Tack Action on Critical Flight Training issue

August 12, 2021 - Earlier this year, a federal court determined that compensated flight instruction in experimental, limited, and primary category aircraft, even instruction obtained in an individual's own aircraft, was contrary to FAA regulation. While the FAA has used letters of deviation authority (LODAs) and exemptions to temporarily address the issue, a long-term fix is years away under the normal rulemaking process.

Click the title to hyperlink for full article

CALL TO ACTION

CERTAINTY FOR GENERAL AVIATION PILOTS ACT OF 2021
H.R. 4645 - S. 2458
FLIGHT TRAINING = SAFETY

Legislation introduced by U.S. Senator Am. Klobuchar and U.S. Representative Sam Graves brings needed clarity to the FAA regulatory framework with respect to compensation for flight instruction and flight training for general aviation pilots and instructors.

Flight instruction should not be considered as commercial transportation nor carrying persons or property for compensation or hire and this legislation brings needed clarity to this issue not only for thousands of pilots and flight instructors but for the FAA as well.

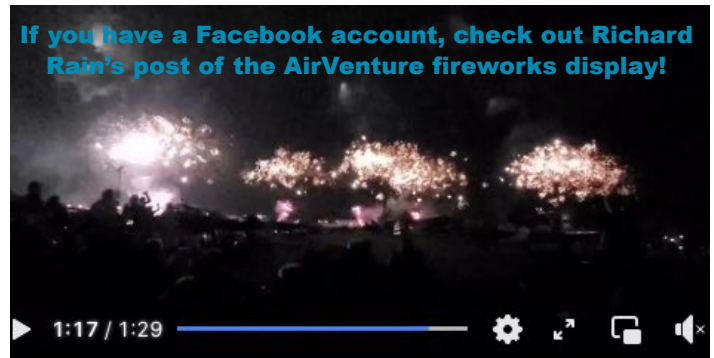
Quite simply, this is a safety issue and pilots and flight instructors who receive and give flight instruction should be able to do so with confidence and without the burden of uncertainty.

This legislation has the support of AOPA and the entire General Aviation Industry.

Let your representatives in Congress know that you are a general aviation pilot, AOPA member, and constituent.

Call (202) 224-3121 and urge your Congressman and U.S. Senators to support H.R. 4645 and S. 2458.

If you have a Facebook account, check out Richard Rain's post of the AirVenture fireworks display!



Richard Rain is with Bonnie Virginia Neibauer and Susan Rain at EAA AirVenture, Oshkosh.

17h · Oshkosh, WI · 🌐

Thursday night fireworks finally at AirVenture 2021

It was a beautiful night until about 9:20pm and all of the sudden a cold wind started unexpected and people started to leave also they were supposed to have drones fly just before the fireworks and they had to cancel them, I guess because of the wind.

Vintage News

18 August 1941: "High Flight"

Oh! I have slipped the surly bonds of Earth
 And danced the skies on laughter-silvered wings;
 Sunward I've climbed, and joined the tumbling mirth
 of sun-split clouds,—and done a hundred things
 You have not dreamed of—wheeled and soared and swung
 High in the sunlit silence. Hov'ring there,
 I've chased the shouting wind along, and flung
 My eager craft through footless halls of air...
 Up, up the long, delirious, burning blue
 I've topped the wind-swept heights with easy grace
 Where never lark nor ever eagle flew—
 And, while with silent lifting mind I've trod
 The high untrespassed sanctity of space,
 Put out my hand, and touched the face of God.

This Day in Aviation

Click the red button and follow the hyperlink for the full article



Upcoming Events

Chapter Meetings

Zoom Meeting date & time: September 2, 2021; 7 pm
Presentation: Carlo Cillers and his scratch built Hatz..

Board Zoom Meeting: September 9, 2021; 7 pm.

VMC Club Meeting: Sep 20 and Oct 18; 7 pm
 Meetings will be held at the Chapter house hangar.
 Visit [Event Calendar page](#).

IMC Club Meeting: Sep 21 and Oct 19; 7 pm
 Meetings will continue via ZOOM video conferencing until further notice. For up to the minute clarification on meeting status, visit [Event Calendar page](#).

Visit [IMC Club meeting page](#) and [VMC meeting page](#) form more information.

Other Events

Go to EAA Events at: <http://www.eaa.org/news>

Go to EAA Aviation Calendar of Events at:
<http://www.eaa.org/calendar>

Go to AirVenture at:
<http://www.airventure.org/index.html>
<https://www.eaatogether.org/>

Go to EAA SportAir Workshops at:
<http://www.eaa.org/sportair>

Chapter Monthly Meeting Program Schedule

Month	Program
August 2021	John Varljen. The title of his presentation: "Choices Lead to Space."
September 2021	Carlo Cillers is our presenter and will be showing us all about his latest creation, a scratch built Hatz! Carlo was awarded a bronze Lindy at the last Oshkosh for this aircraft.
October 2021	TBD

Chapter Hangar Cleanup

August 21, 2021 - 8:00 am EST

If you have the time, energy or inclination, come by the hangar and help declutter, organize and otherwise put the shine back on the chapter house!

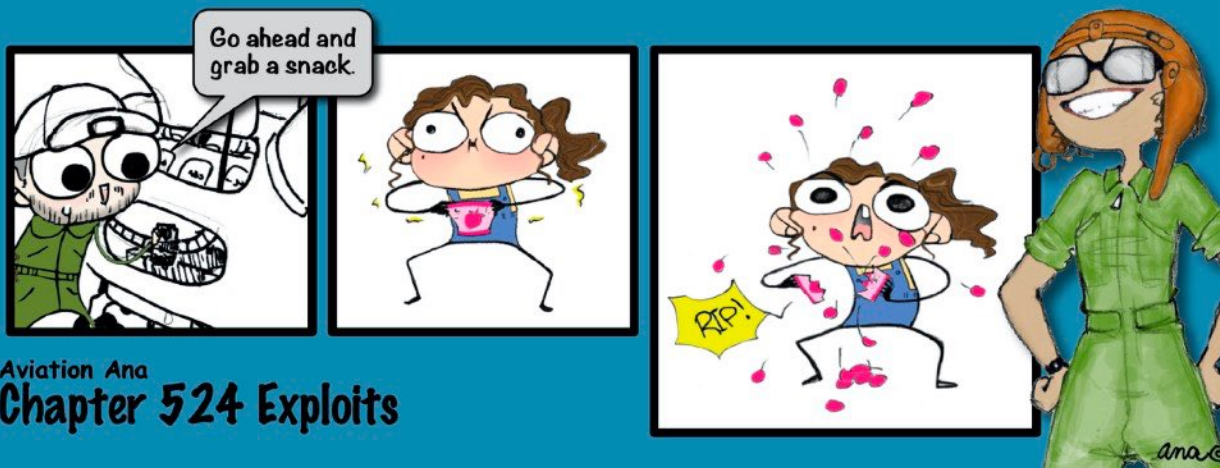
It has been two years since the outside had a facelift and two home build planes have been housed within its walls. Time to have a good scrub down before the next project gets in full swing!

A preliminary cleaning has already occurred, but here is a photo of the hangar in July 2021.



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Aviation Ana
Chapter 524 Exploits



Fly-In/Events of Interest

LUNCH at the AIRPORT

Saturday, August 21, 2021

11am-4pm



The Hendricks County Aviation Association invites you to come enjoy a day of exploring aviation.

Food! Airplanes! Helicopters! And so much more!

EVERYONE IS WELCOME!

Cookout Lunch from 11am to 2pm

\$7 Adults
PIC of fly-in aircraft eat FREE!
\$5 Ages 7-12
6 and under are FREE!



For more information, visit hcaonline.com

2R2

Hendricks County Airport
2749 Gordon Graham Boulevard, Danville, IN 4622

Hot Air Balloon Festival Google Search

- 21 AUG** Flying Circus Aerodrome Hot Air Balloon Festival Sat, Aug 21 – Sun, Aug 22 Flying Circus Aerodrom... Midland, VA
- 28 AUG** Carroll County Balloon Festival Sat, 1 – 9 PM Carroll County Agricultur... Westminster, MD
- 29 AUG** 5K RUN/WALK AMONG BALLOONS Sun, 8 – 10 AM Carroll County Agricultur... Westminster, MD
- 10 SEP** Chester County Balloon Festival / Admission Fri, Sep 10 – Sun, Sep 12 Willowdale Steeplechas... Kennett Square, PA



Wings & Wheels Expo

September 11, 2021 9 am - 4 pm



Hagerstown Aviation Museum Aircraft Exhibits: Fairchild C-82 & C-119 Flying Boxcar, C-123K, PT-19 Airplane Rides, Antique & Modern Aircraft Capital Wing of the Commemorative Air Force WWII TBM AVENGER Torpedo Bomber & Stinson L-5 Rides!
Delaware Aviation Museum B-25 Mitchell Bomber "Panchito" Rides
Experimental Aircraft Association Chapter 36 Free Young Eagle Aircraft Flights for youth ages 8-17
Maryland Air National Guard Fairchild A-10C Thunderbolt II "Warhog"
Air Heritage Museum Fairchild C-123K
Civil Air Patrol Aircraft Display
Radio Controlled Aircraft Display
Pittsburgh Institute of Aeronautics
Cruise-In: Antique Cars - Trucks - Military Vehicles - Fire Trucks - Motorcycles - Tractors & more
New Horizons Band Concert at 12 noon
FREE Admission, Donations Welcome
Food Available
Proceeds benefit the Hagerstown Aviation Museum
Event Location: 14211 Basore Drive, Hagerstown, MD 21742

Event info: www.WingsandWheelsExpo.com
or call 301-733-8717, Email: info@hagerstownaviationmuseum.org
Museum info: www.HagerstownAviationMuseum.org

CHANTILLY AIR Jet Center

10660 Skyview Terrace
Manassas, VA 20110

Enjoy lunch on Chantilly Air Jet Center!
Manassas Regional Airport (KHEF)

Tuesday, August 31
11:00 am to 2:00 pm

Food provided by



Food Truck

Your choice of one

- Chicken Burrito with rice inside, cheese & Pico de Gallo
- Steak and Cheese with fries
- Greek Salad
- Drink included

Please join us!

(The last Tuesday of every month through October, 2021)

Envisioning A World Of Space People

Smithsonian National Air and Space Museum
Online Presentation
September 14, 2021; 8-9pm
You are encouraged to make a reservation.

15th ANNUAL AVIATION EDUCATION & CAREER EXPO

OVER \$250K IN SCHOLARSHIPS



CAREERS REPRESENTED BY BOOTH VENDORS:

- PILOTS
- FLIGHT ATTENDANTS
- MEDICAL FLIGHT NURSES
- AVIONICS/ELECTRONICS
- SEARCH AND RESCUE
- LAW ENFORCEMENT
- MAINTENANCE
- INFIGHT CATERING
- HOMELAND SECURITY
- NTSB
- AIR TRAFFIC CONTROLLERS
- MILITARY
- SALES
- PUBLICATIONS/MARKETING
- HOSPITALITY
- MEDICAL EXAMINERS
- AGRICULTURE
- FLIGHT INSTRUCTION
- FUEL
- AERIAL MAPPING
- PHOTOGRAPHY
- AIRLINES
- DRONES

RSVP REGISTER ONLINE
WWW.AVEDUCATIONEXPO.COM

PROJ AVIATION
LEESBURG EXECUTIVE AIRPORT
957 SYCOLIN ROAD
LEESBURG, VA 20175

OCT 29
2021
9AM - 2PM

THREE GUEST SPEAKERS

TCB 102.7 iHeartRADIO 800 WWU presents

FRIDAY AUGUST 27
ROB ICKES, TREY HENSLEY & MIKE BUB DON RIGSBY
KENNY & AMANDA SMITH BAND
THE KENTUCKY-FIED PICKERS
BOBBY MAYNARD & BREAKDOWN
BOONE MOUNTAIN BLUEGRASS
BIG ROCK & THE CANDY ASS MOUNTAIN BOYS
STRING THERAPY
JULIE & KELLY RAY DAVIS
BOBBY TAYLOR
THE MODOCK ROUNDERS

SATURDAY AUGUST 28
RUSSELL MOORE & IIRD TYME OUT
DANNY PAISLEY & THE SOUTHERN GRASS
THE BING BROTHERS & JAKE KRACK
THE BLACK MOUNTAIN BLUEGRASS BOYS
SOUTHRIDGE
MUD HOLE CONTROL
SNAKEWINDER
THE COAL CAVE HOLLOW BOYS
OF THE DELL
ROBIN & DAN KESSINGER
ROBERT SHAFER & JOHNNY STAATS
DOUG & KARL HEPLER
WAYNE HENDERSON

FLY IN FESTIVAL 2021

TICKETS WEEKEND - \$50 DAILY - \$30
PRIMITIVE CAMPING \$20
AIRPLANE TOURS
SKYDIVING
KAYAK FLOAT TRIP
FOOD & DRINK BY
GATES OPEN 8/26
POT LUCK DINNER WELCOME JAMMING

Clark Kessinger Memorial Fiddle Contest Friday 12:00 - 3:00PM
Robin Kessinger Instructional Workshop & WV State Flatpick Guitar Contest Saturday starting at 9:00AM

ROBERT NEWLON AIRPORT
6090 Kyle Lane, Huntington WV
304-733-1240



FREE EAA Webinars

EAA webinars are free to all aviation enthusiasts. Pre-registration is recommended since space is limited to the first 1,000 registrants.

<https://www.eaa.org/eaanews-and-publications/eaawebsinars>

Live multimedia presentations, informative and interactive, allow presenter to use slides and audio. Audience members can ask questions or polled for opinion. Webinars begin 7pm CDT.

- 08/17/21 Alluring Figures in Aerobatics: What the Rules Say, What Judges Like, and what Pilots Do*
- 8/18/21 How to Become a CFI*
- 08/25/21 Tundra Tires Rule: Alaska Style*
- 09/01/21 Machine Learning**
- 09/08/21 Avoiding Carburetor Icing - A Cool Pilot's Guide to Carb Heat **
- 09/14/21 Air Racing History - Part 2
- 09/21/21 Buying Your First Aerobatic Airplane
- 09/29/21 Flying With the iPad - Your Digital Co-Pilot*
- 10/20/21 Preventing VFR into IMC: Using Your Personal Weather Minimums**

* Qualifies for FAA WINGS credit

** Qualifies for FAA WINGS and AMT credit

*** HOMEBUILDERS WEBINAR SERIES

Frederick VMC Club

IMC Club meets: third Monday of each month, 7:00 p.m.

Location: Chapter 524 Aviation Education Center/Hangar, Frederick Municipal Airport



With the success of the IMC Club, EAA 524 is now forming a VMC Club, oriented toward primarily VFR pilots of all experience levels.

The VMC Club will meet on the third Monday of each month, the day before the IMC Club meets. The VMC Club offers monthly meetings in which pilots can network and share knowledge and experience. The meetings use real-world scenarios to engage members, and allow a free exchange of information that improves awareness and skills.

Because of current restrictions, we will meet via Zoom until we can get back into the Chapter Aviation Education Center. You can register for the inaugural VMC Club Meeting here: <https://bit.ly/3iJEb47>

Frederick IMC Club

IMC Club meets: third Tuesday of each month, 7:00 p.m.

Location: Chapter 524 Aviation Education Center/Hangar, Frederick Municipal Airport



Interested in learning more about IFR flying? Scenario-based discussions are available here.

A community of pilots willing to share information, provide recognition, foster communications, promote safety, and build proficiency in instrument flying. IMC Club chapters offer monthly meetings in which pilots can network and share knowledge and experiences.

More information about the club and its mission can be found on our website at <https://chapters.eaa.org/ea524/imc-club>

FAA Wings Program

- WINGS PROGRAM 2019
- WINGS EFFECTIVENESS REPORT 2011
- WINGS FLIGHT INSTRUCTOR GUIDE 2018
- WINGS ADVISORY CIRCULAR 2011

**Clear skies, safe travel, be happy
and see you all soon!**

Chapter Meeting Location & Time

Chapter 524 meets: first Thursday each month, 7:00 p.m.

Location: Chapter 524 Education Center/Hangar, Frederick Municipal Airport



As you enter the airport, park in the Terminal Parking lot. Walk south past the Frederick Flight School (yellow building). There are signs on the end of the second row of hangars for the Chapter. Additional information can be found on the Chapter website: <https://chapters.eaa.org/ea524>

Frederick Municipal Airport
330 Aviation Way, Suite J, Box #9
Frederick, Maryland 21701

EAA 524 Chapter Website

The EAA Chapter 524 website: <https://chapters.eaa.org/ea524>
The website has contact information and details about current Chapter events.

Also on the website, you can find archived newsletters and a membership join/renewal form.

Chapter Facebook Page

You can find us on Facebook at: www.facebook.com/EAA524

EAA Chapter 524 Membership Application

Annual dues are \$30 for individual or family membership. Fill out this form and return it with your dues to the Chapter Treasurer.

Cash or check accepted. Make check payable to **EAA Chapter 524**. Bring the form and dues to the next meeting or mail to **Ernest O'Roark, 809 London Court, Frederick, MD 21701**.

If you have a question about your membership, contact the Treasurer at 301-694-0053 or cadfael1@aol.com. These dues help support the Chapter and are not applied to the national organization.

I. Registration Information (Print please)

Last Name _____ First Name _____

Member Status: New ____ Renewal: _____ No Changes: _____

Membership Type: Individual (\$30.00) _____ Family (\$30.00) _____

Other name(s) if Family Membership _____

EAA Membership Number _____ Member Since: _____

Phone Number (H) _____ (C) _____ (W) _____

Address _____

City _____ State _____ Zip _____

E-mail Address (for receiving notices & newsletter) _____

Aircraft/Projects/Interests _____

II. For Official Use Only

Status: New ____ Renewal ____ Individual: ____ Family: ____

Dues Paid: Check ____ Number _____ Cash ____ Amount \$ _____

Date Received ____/____/____ Fiscal Year (Jan. – Dec.) 20 ____

Treasurer's Initials _____ Roster updated ____/____/____ Deposited ____/____/____

----- Cut here. Keep Section III for your records -----

III. Member's Receipt for EAA Chapter 524 Dues

Date paid ____/____/____ Dues paid for fiscal year 20____

Renewal – Individual/Family Membership Dues: \$30.00_____

New – Individual/Family Membership Dues: \$30.00_____