



The Frederick Flyer



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President's Message

Hello Everyone!

Wake up early to walk the dog in the predawn light. Run to the grocery store to pick up a cart full of groceries. Start the the 45 minute drive... to our airport.

As I pull up to the airport on Sunday, November 15th, the magic starts. There is a group of thirty-odd people in puffy camouflage parading in the grass. Steve is wheeling his grill from his hangar to the chapter's. Tim is tracking a flight of planes coming over from Leesburg. Ernie and I go get his Cub. My job is to hold the brakes while he handprops the engine. Before you know it, we have our first Young Eagles rally in a long time. Kids giving thumbs up as they taxing back to the hangar in an RV. Reports of how their pilots let them fly the plane over their homes.

In the end we flew 30 Young Eagles from the local Sea Cadet group. A huge thank you to Mark and Shannon for organizing the event, and to all the pilots and ground crew that made it happen. It's amazing the generosity of people in aviation. The willingness to share their time and avgas to give a teenage a flight in a small plane. For some, it was their first flight ever. Again, thank you all.

In addition, thank you to all the chapter members that couldn't attend, but never the less help the Chapter provide programs like the Young Eagles rally. Your dues go to keep the lights on at the Chapter hangar; the work you do on the airplane projects (Zodiac, Cub, RV-10, Zenith 750) over the years provide inspiration to everyone.

Next week is Thanksgiving, and I am very thankful to be fortunate enough to be involved in aviation. Local pilots in the Chesapeake area have been giving back to the residents of Tangier Island for decades in the form of the Holly Run, this year on December 4th. Donations to the residents this year have a matching grant, so any donating you can make will be doubled. For more information, please see: [Tangier Holly Run](#) You can also send me an email if you have questions.

Stay warm everyone and I'll see you around the airport!

Take care,
Chris
President
EAA Chapter 524

Ps. There is a wonderful and short program on Maryland Public TV about current and past manufacturing in the state. There are several bits about aviation in Maryland. I highly recommend it. The link is : [Made in Maryland](#)



Blast from the past . . .

Workshops at the hangar . . . 2019





Meeting Minutes

04 Nov 2021

Meeting called to order at 7:05 p.m. by Chris Gunther

- November is official election for the next 2 year term. All current board/officers ran unopposed with no opposition.
- Next weekend, November 13 (rain date is November 14) will be the Sea Cadets Young Eagles rally. 30 cadets in the unit and are interested in aviation. Ages range between 10 and 17. Looking for 5 pilots to take the kids up for short flights and looking for additional people to talk about aviation in general and give the cadets an overview about how flying works, how to build an aircraft, and a BBQ cookout (hotdogs and hamburgers). Shannon will provide some sides and a signup sheet will be passed for those who are available to help. Will be 10 am until 2 pm.
- Tom Comeau - airplane parts are not taxable if they're going onto an existing airplane. Importing parts to build an airplane is taxable. Monday the 15th at 7 pm the VMC club will break some instruments and how easy/difficult it is to break a VSI glass.
- Richard Spatz reported that his RV-10 is moving along. The group has re-stabilized in attendance and are finishing tying in the engine, throttle quadrant, and fuel lines. Still need to do oil coolant lines and firewall-forward stuff. On track to put the wings on by Christmas. Oxygen system and cowl work ongoing. Should be flying by February or March. Working Tuesday and Thursday nights; Steve usually also works on weekends.
- Gary Wheeler is a new visitor, new pilot, retired military, and now wants to build his own plane. Got a Rans Outbound. Vertical stabilizer and rudder are done, horizontal stabilizer is next.
- Bob Miller reported that the Zenith 750 build is coming along well. They're currently working on flaperon skins. Good progress is being made.
- 50/50 was \$92; \$46 to Dean Stickell and \$46 to the scholarship fund

Meeting adjourned at 8:26 p.m.

Dan Morris presented "Making Your Own Composite Parts"

Submitted,
Erick Webb, Secretary

Board Meeting Minutes

11 Nov 2021

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

Brought to order at 7:04 p.m. by Chris Gunther

- Mark P. reported that tomorrow will be the final go/no go weather decision for Saturday's flights; don't want the winds to get gusty, so may push to Sunday if winds are gusting. Bob Miller, Ernie O'Roark (tentative Cub for wind), Mark in RV-8. Gil Hamilton will also fly. There are a total of 5 planes so far, so if 2 have to cancel for wind, the plan is to push it to Sunday. Shannon will bring plates/plasticware, bottled water, some side dishes. Chapter will provide hamburgers and hot dogs for approximately 40 people. Steve Gross will provide his grill. Mark P. will pick up the meat. Chris will pick up some drinks. Brad Thompson will present at the event.
- IMC Club will be virtual with 12 signups at present. VMC Club has a good interest level for the "breaking things" meeting.
- Chris Gunther reported that the 2022 Ray Aviation Scholarship for Chapters are opening soon and will close in January.
- Ernie reported that Dimitry is doing great, but running out of money (down to about \$500). He hasn't soloed yet, but is doing well. Ernie proposed that we use the Chapter's scholarship money to get him to the solo point and then pay ourselves back when EAA sends us the scholarship money.

Meeting adjourned 7:36 p.m.

Submitted,
Erick Webb, Secretary

Young Eagle Flight



On November 7th, I flew 12 yr old Jacob Krasko. This was after a very short flight with Steve Gross (high oil temp.) Steve, hope your engine is ok!

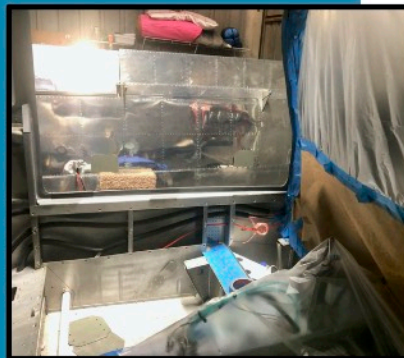
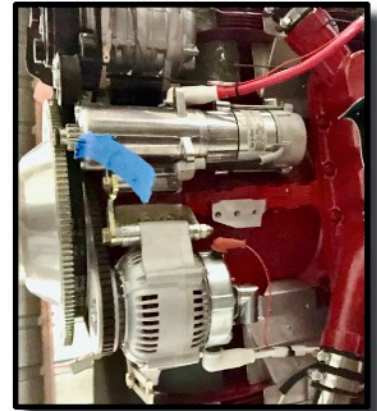
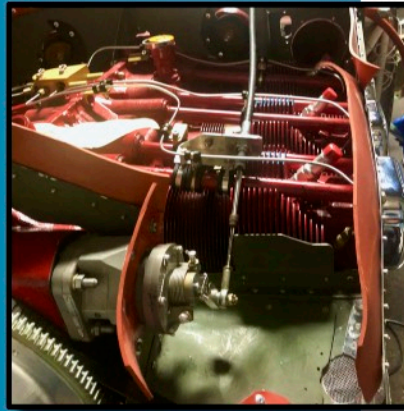
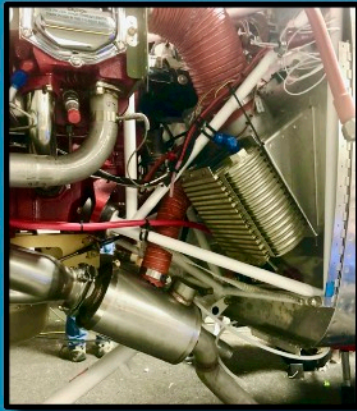
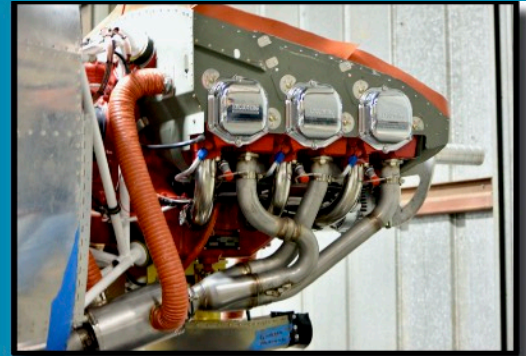
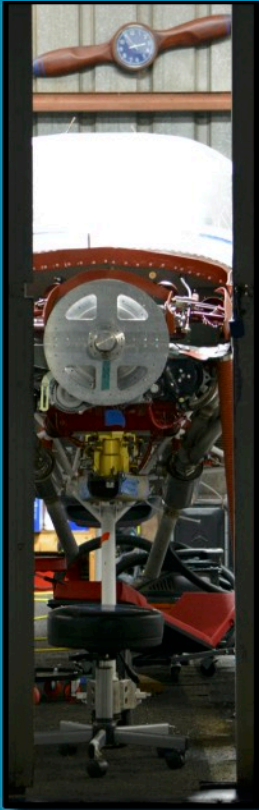
Jacob had a blast! Good eye finding other aircraft and soaring birds. Suggested Bravo and FDK Flight center for future training.



Mark P



RV-10 Progress Report



Grab a friend or family member and bring them by Hangar 22. Tuesdays and Thursday nights (except on holidays!), 6-9pm are the usual build days and time. Hope to see you there.



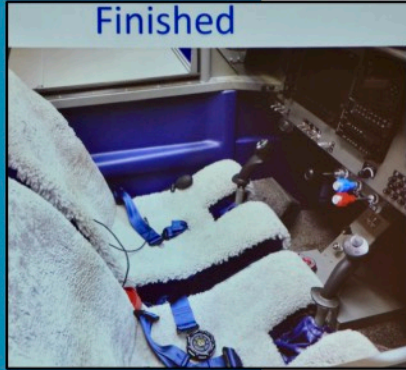
November Meeting Presentation

“Making Your Own Composite Parts”

Seat panel
(provided by kit)



Finished



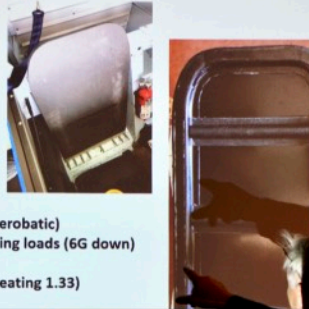
Dan Morris

Where to start?

- Design the part
 - Determine shape and materials you want to use
- Determine layup method
- Make the molds
- Layup
- Secondary Operations
- Finishing

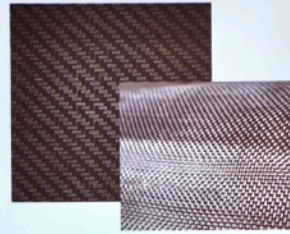
Design

- Strength
 - What are the loads
 - Seating at 6G (aerobatic)
 - Emergency landing loads (6G down)
 - Hand loads
 - Safety factors (seating 1.33)

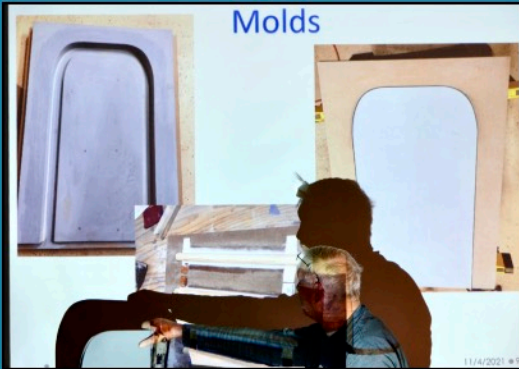


Design

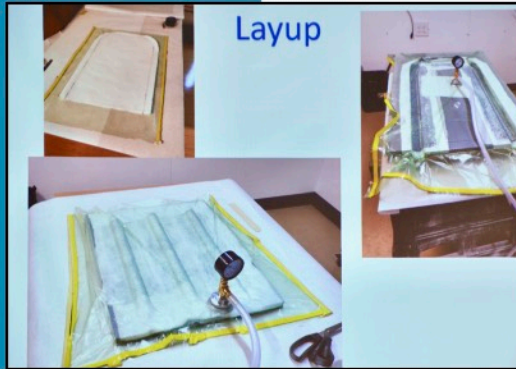
- Materials
 - Fiber type
 - Fiber weave
 - Resin type
- Layup method
 - Wet
 - Wet with vacuum
 - Resin Injection Molding
 - Pre-impregnated fabric



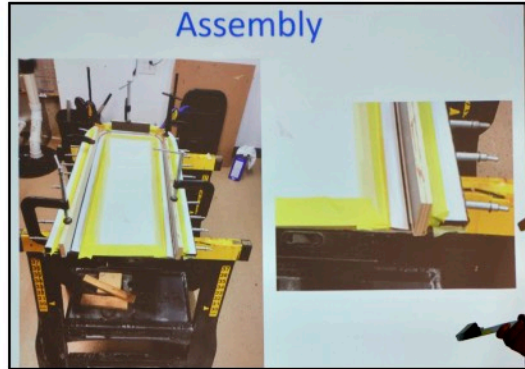
Molds



Layup



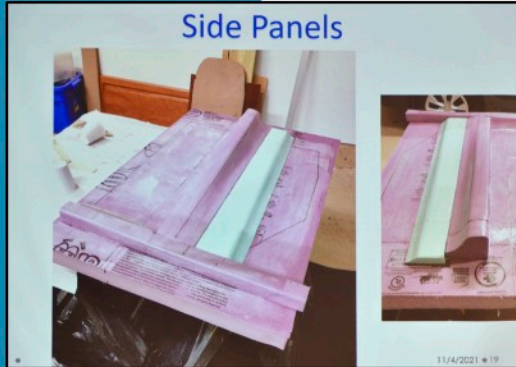
Assembly



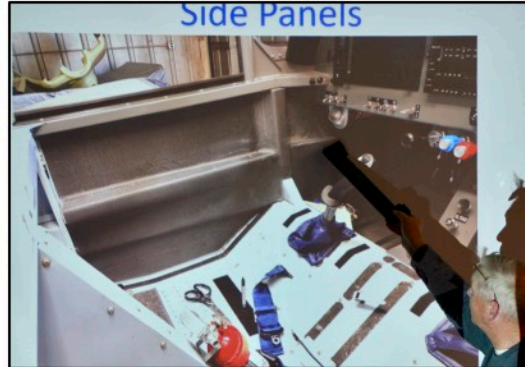
Final



Side Panels



Side Panels





Frederick US Navy Sea Cadets



EAA Chapter 524



2021 Young Eagle Rally Program



The Frederick Flyer

THANK YOU, EVERYONE!

We had outstanding membership participation! You really rose to the occasion and made life and this event so much easier.

As a chapter, we pulled the Young Eagle Rally off in spectacular fashion!

29 Young Eagle flights involving 8 aircraft.

Full engagement of the Sea Cadets with

- ✈ Airplane pre-check and flights
- ✈ Presentations on aircraft construction and aviation
- ✈ Lunch was provided

A very proud accomplishment for our chapter.

Mark P



Fun Flight Photos



November 2021 Meeting ~ Making Your Own Composite Parts





Club Bulletin Board Aviation News

Veterans Build at EAA 524 Hangar

Chapter members come out, show your support and have some fun.

Saturdays from 9am - 3pm

Remember that the "Matching Funds" fundraising effort comes to an end on December 25th. So if you know of anyone or any organization that is willing to donate toward the build, you might want to ask soon.

December 4th FlyIn – Tangier Holly Run 2021 is ON!!!

... "The event is usually scheduled for the first Saturday in December with the following Saturday being used if the weather is bad. Dozens of pilots fly into Cambridge Airport around 10 am for free coffee and donuts and to renew old friendships ...

The rising water is also causing the islanders to park more and more stuff up on the airport ramp (the high point on the island) to keep it dry. This will unfortunately decrease our parking capacity.

We will once again this year be raising money for the various funds that the church administers to help the widows and others on the island who need assistance to make it through Tangier's harsh winters. Please plan to donate to help our our host community." ...

[Click on the title for link to interview ...](#)

Chesapeake Sport Pilot has secured a matching funds donor for this fundraising event. Please consider making a donation and make the most of their effort.

How the Air Force's Civilian Auxiliary Is Saving Lives at Home

Military.com \ Blake Stilwell

"Everyone talks about the Space Force lately. No one talks about the Civil Air Patrol much. There's definitely no Netflix show about it -- but maybe there should be.

If you've never heard of the Civil Air Patrol (CAP) and you aren't in the U.S. Air Force, then good for you. A civilian whose life has been touched by CAP was probably in a really bad place and needed to be rescued. ..."

[Click on the title for link to interview ...](#)

Smithsonian Channel

Home for the holidays and tired of regular programing, you might want to check out the Smithsonian Channel. There is a wide range of topics to choose from. Something might appeal ..."

[Click on the title for link to interview ...](#)

If you have a Facebook account , you might want to check out the Smithsonian Channel Facebook site. They post short entertaining videos.

Here is a link to "The Weird Thrills That Americans Pursued in the 1920s" It includes barn storming, wind walkers ...

[Facebook Link](#)

NEXT REGULAR MEETING **DECEMBER 2ND**
SPEAKER: CAPT BILL CAMERON USN(R)
"WESTERN PACIFIC STRIKE GROUP OPS"
 BILL WILL SHARE HIS EXPERIENCES FLYING NAVY HELICOPTERS FROM VARIOUS CRUISERS AND DESTROYERS. IT WAS AN UNFORGIVING ENVIRONMENT WITH UNPREDICTABLE FOREIGN ADVERSARIES.

Vintage News



13 November 1926: The 1926 race for the Coupe d'Aviation Maritime Jacques Schneider (the Schneider Trophy) was held at Hampton Roads, a large natural harbor between southeastern Virginia and northeastern North Carolina, two states on the Atlantic coast of the United States. There were an estimated 30,000 spectators. The race consisted of seven laps of a 50 kilometer (31 miles) triangular course.

The location of each race went to the country whose national team had won the previous year. Lieutenant James H. Doolittle, Air Service, United States Army, had won the 26 October 1925 race at Baltimore, Maryland, flying a Curtiss R3C-2 to an average speed of 232.57 miles per hour (374.29 kilometers per hour) ...

To follow the complete article click on:



Regia Aeronautica Macchi M.39, MM.76, winner of the 1926 Schneider Trophy Race. (U.S. Air Force)

The Italian team celebrates their victory (Virginia Aviation) by Roger Connor at Page 42



Upcoming Events

Chapter Meetings

Meeting date & time: December 2, 2021; 7 pm

Presentation: Capt. Bill Cameron USN(R), "Western Pacific Strike Group Ops."

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

VMC Club Meeting: Merry Christmas! No meeting in December

See you next year: Jan 17, 2022 at 7 pm;

Get the New Year resolutions started at the hangar!

Meetings are held at the Chapter house hangar.

Hope to see you there!

Visit [Event Calendar page](#).

IMC Club Meeting: Merry Christmas! No meeting in December

See you next year: Jan 18, 2022 at 7 pm; Happy New Year!

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](#) for 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
November	Dan Morris, "Making Your Own Composite Parts"
December	Capt. Bill Cameron USN(R), "Western Pacific Strike Group Ops."
January	TBD

CHAPTER OFFICERS

★ **President**

Chris Gunther

EAA524.President@gmail.com

★ **Vice President**

Mark Pankratz

mlp07@live.com

★ **Secretary**

Erick Webb

erickwebb1@gmail.com

★ **Treasurer**

Ernie O'Roark

cadfael1@aol.com

★ **IMC Club Coordinator**

Larry Jarkey

cflj@xecu.net

★ **VMC Club Coordinator**

Tom Comeau

tom.comeau@gmail.com

★ **Newsletter & Web Editor**

Mary Ann Alvarado

EAA524.News@gmail.com

★ **Facebook Editor**

Erick Webb

erickwebb1@gmail.com

★ **SportAir Workshop Coordinator**

Rex Bullinger

rexbull@gmail.com

★ **Chapter Historian**

Joe Halleman

jmhalleman@comcast.net

★ **Chapter Coordinator**

Mark Gosselin

n511jg@gmail.com

★ **Program Coordinator**

Mark Pankratz

mlp07@live.com

★ **Young Eagles Coordinator**

Mark Pankratz

mlp07@live.com

★ **EAA Flight Advisors**

Vacant

★ **EAA Technical Counselors**

Jerry Blake

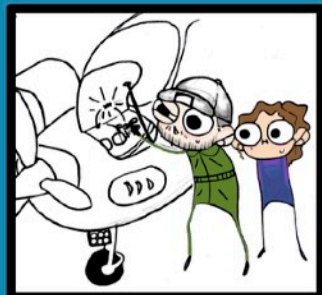
wpr4360@comcast.net

Mark Pankratz

mlp07@live.com

Steve Gross

SGross@minkoff.com



Sometimes the lesson is:
What NOT to do.



Aviation Ana
Chapter 524 Exploits



Fly-In/Events of Interest



**The Glenn L. Martin
Maryland Aviation Museum**

Home Visit Education Exhibits Maryland Aviation Support About

Aircraft Design Box

Free Offer for Limited Time



A family activity for the aviator in all of us or the perfect gift for your aspiring STEM student to learn about some of the basic aircraft designs. The Glenn L. Martin Maryland Aviation Museum has assembled a box of materials for purchase containing:

- Five metal In Air Diecast model aircraft (approximately 3.5" X 4.5") - Wright 1903 Flyer, Curtiss Jenny, A-10 Thunderbolt II, SR-71 Blackbird, AH-64 Apache Helicopter - to introduce children (grades three and up) to some of the basic designs – biplanes, tail draggers, tricycle landing gear, jets, and helicopters.
- An information document and a quiz for each aircraft
- Supplemental activities
- The Glenn L. Martin Airplane Review Coloring Book
- An optional evaluation form, which will entitle you to a free visit to the museum for a family of four.

[Facebook Link](#)

The cost of the design box is \$40.00, which includes shipping and handling via USPS. (Please note: You may save \$15.00 - the cost of shipping - by visiting the museum to purchase the box.)

You may order an Aircraft Design Box by:

- filling out the [Contact Us form below in the blue area](#) and hit the [Donate](#) button, also in [the blue area](#), to use PayPal or Debit/Charge card **or**
- sending your purchase request with a check or money order for \$40.00 payable to [GLMMAM](#) and mail to the [GLMMAM Education Dept., PO Box 5024, Middle River, MD 21220](#).

For more information call The Glenn L. Martin Maryland Aviation Museum, 410-682-6122, or send an email to martinmuseum@gmail.com.

New Saturday Aircraft Work Sessions We Need You!

The Aircraft Team plans to work the 2nd & 4th Saturdays of the month. **Nov. 13 but not Nov. 27**

Volunteers interested in helping please meet in front of the museum outside doors no later than 9am to be escorted to Strawberry Point (about 1 mile) to work on the planes. Plan to work until about 12 noon.

If you are not yet a GLMMAM volunteer, come to the museum by 9 am and fill out the forms.

For questions, please email martinmuseum@gmail.com.



[Facebook Link](#)



SATURDAY, DECEMBER 11, 2021 AT 1 PM – 4 PM EST

Aviation Online Merit Badge

Online Event

AVIATION

Sat, Aug 14 Sat, Oct 9 **Sat, Dec 11**



Details

- 3 hr
- 1 person responded
- Event by EPIC Badges and Eventbrite
- Tickets via Eventbrite
- Public · Anyone on or off Facebook

[Facebook Link](#)

While working on the Aviation merit badge, Scouts learn about aircraft and the forces which act on them. Taught by the Pearl Harbor Aviation Museum.

Online



SATURDAY, DECEMBER 11, 2021 AT 8 AM – 10:30 AM

KJGG Williamsburg, VA Pancake Breakfast FlyIn - Benefiting High School PPL scholarships.

Williamsburg Jamestown Airport

[Airport Fly-Ins](#)
Alan Kastner · 14h · @

[Facebook Link](#)

KJGG Williamsburg, VA 2nd Saturday of each month 8-10:30
We have 9 high school kids getting their PPL.....help support them and chat with them while they cook your breakfast.

Breakfast at Williamsburg Airport (KJGG) 2nd Saturday each Month
Next Scheduled: Saturday, November 13, 2021, 8 A. M. to 10:30 A.M.,
Pancake Breakfast at Williamsburg Jamestown Airport. (\$6.00)
Pancakes, Eggs, Sausage, Coffee, Juice.
Event will be under the Big Tent beside the terminal building
Join us -- Rain or shine.
Proceeds to benefit The Williamsburg Aviation Scholarship Program Students
We currently have 9 High School Students enrolled in the Scholarship Program to achieve their Private Pilots License.
Join us for Breakfast: See you SECOND Saturday Morning of Every Month - Rain or shine



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/ea/news-and-publications/ea-webinars>

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.

- 11/17/21 Young Eagles Digital Signature App
- 11/17/21 Bravo Buster: Adventures in and Around the National Airspace System*
- 11/23/21 Special SOLIDWORKS Offer for EAA Members**
- 12/01/21 Prop Overhauls**
- 12/02/21 EAA Ray Aviation Scholarship - 2022 Update
- 12/07/21 Homebuilt Biplane Roundup***
- 12/08/21 The Truth About Stalls*
- 12/14/21 The History of EAA's B-25
- 12/15/21 Flying Clubs-Growing Participation in Aviation
- 01/18/22 Young Eagles Coordinator Orientation

* 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.

Come out to the EAA Chapter Aviation Education Center. The VMC Club is meeting in person and would love to see you there!

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/EA524



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_____