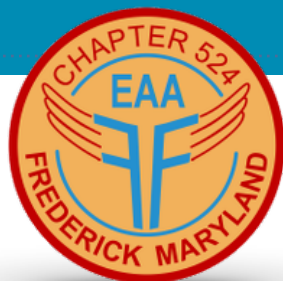




The Frederick Flyer



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President's Message

Well, I don't know about you, but this is not the Spring I was imagining. I was looking forward to watching the progress on the RV-10, maybe sneaking off to Sun-n-Fun, and just being at Frederick Airport, talking with friends at the chapter hanger or at the Airways Inn. I'm sure there are a lot of aviation related things you are missing right now too.

As we are in the middle of this pandemic and the appropriate social distancing it is important to remember that we will get through this together. This April marks the 50th anniversary of the Apollo 13 accident and, in the end, triumph. Both on the ground and in space, the people involved with this particular Apollo mission never gave up, were creative and resilient. So are we.

I can't say that things will get back to normal. I think after the pandemic wanes, there will be a new normal in American life. But we will figure it out. Kind of like fitting a square peg in a round hole, as they did with the carbon dioxide scrubbers on the Apollo 13 LEM. For the chapter, the board is working on bringing a virtual gathering to you on-line on May 7. Stay tuned for further details. We are also looking at how we can be prepared once the social distancing restrictions are lifted in Maryland.

In the mean time, stay safe. EAA, AOPA and others have webinars you can participate in to get your aviation fix. Maybe we will run into each other on one of them.

Take care everyone,

Chris
President
EAA Chapter 524

Looking Ahead to AirVenture 2020

Wondering what is happening in Oshkosh? Jack J. Pelton, EAA CEO and Chairman of the Board is doing his best to field questions and concerns. Read his article:

March 26, 2020 - My fellow EAAers, I'm writing this to address the status of AirVenture Oshkosh 2020. Today we are still planning on having the event beginning July 20, 2020. In that context, I wanted to let people know how we're approaching the planning process for AirVenture, and to help people understand the timetable as we sort through the ever-changing world events. . .

<https://www.eaa.org/airventure/eea-airventure-news-and-multimedia/eea-airventure-news/eea-airventure-oshkosh/03-26-2020-Looking-Ahead-to-AirVenture-2020>



Chapter 524 - Recommendations

Mastering the Art of Instrument Navigation

Chapter 524 IMC Club

Topic: Scenario Based Learning Through Group Discussion

Date and Time: Tuesday, April 21, 2020, starting at 19:00 Eastern Daylight Time (16:00 PDT, 17:00 MDT, 18:00 CDT, 13:00 HST, 15:00 AKDT, 16:00 Arizona, 23:00 GMT)

Speaker: Larry Jarkey - EAA IMC Club Frederick Chapter 524 Coordinator

Brief Description: The IMC Club, through its nationwide EAA chapters, provides organized "hangar flying" focused on building proficiency in instrument flying. Believing that safety and proficiency are developed through education and experience. Monthly meetings use real world scenarios to engage our members and allow them to share and build their experience. You do not have to be instrument rated to attend. Click on the link below and register TODAY.

Question of the Month: What is a False Course on an instrument approach and how to avoid it?

Select Number: EA0799911

This meeting is limited to only 20 participants!

This meeting is currently full.

HOWEVER, some don't show so it won't hurt to try, even if you don't get your name on the list.

The meeting will be locked about 7:05pm (1905) and will not admit any more participants.

EVENT DETAILS AND

REGISTRATION: [FAASafety.gov](https://www.faa.gov/safety) link

Stay tuned for next month's IMC Club Webinar

Rotax 9 Series Training

Chesapeake Sport Pilot

Topic:

Chesapeake Sport Pilot is excited to be hosting Dean Vogel from Lockwood Aviation for three Rotax training and certification classes this summer.

Dates:

August 24-25: Service

August 26-27: Maintenance

August 28: iS

Cost:

Each 2-day class is \$795.

The injected engine class is \$350

- if we have sufficient interest -

Brief Description:

We are a factory authorized dealer for Dynon, Dynon Certified, and Advanced Flight Systems. Our certified A&P avionics technician is happy to travel your workshop to assist you with installing these or any other avionics of your choosing in your aircraft allowing you to quickly finish the final stages of your aircraft with the highest possible quality of installation work.

To learn more about Chesapeake Sport Pilot Avionics assistance or sales, please call 410-490-0802 or e-mail

avionics@chesapeake sportpilot.com

Facebook:

[Chesapeake Sport Pilot](#)

Website:

<https://chesapeake sportpilot.com>

Chesapeake Sport Pilot Location:

210 Airport Rd

Stevensville, Maryland 21666

Sport Air Workshop

EAA Chapter 524

Rex Bullinger and Mark Forss are hard at work. They hope to get some guidance from EAA by the end of the month and host a Workshop at EAA 524 Hangar sometime this June.

Tuesday Night Wings

Chesapeake Sport Pilot

Join us: Tuesday nights at 7pm

Topic: free on-line Wings programs

E-mail:

info@chesapeake sportpilot.com

for an invitation

Dates and Speakers:

April 21 - The Ins and Outs of ADS-B

Speaker: Vince Massimini

April 28 - The New World of ICAO Flight Plans

Speaker: Vince Massimini

May 5 - Proficiency 365

Speaker: Chuck Kyle

May 12 - Flying as Crew

Speaker: Jim Ferrari

May 19 - AOPA Focused Flight Review

Speaker: Randy Williams

May 26 - Emergency! 101

Speaker: Tim Collins

June 2 - What would you do?

Speaker: Chuck Kyle

June 9 - Weather

Speaker: Jody Smotherman

Facebook:

[Chesapeake Sport Pilot](#)

Website:

<https://chesapeake sportpilot.com>

Chesapeake Sport Pilot Location:

210 Airport Rd

Stevensville, Maryland 21666



Mark P - I was fortunate enough to have my condition inspection due about the time we all went on lockdown. Shortly after that, I decided to do more or less a complete effort on all the things I had been thinking about doing with my RV-7A.

First was the condition inspection part; taking all the fairings/cowl/inspection panels/floorboards out to get a closer look. This is a great start on finding things like chaffing wires, worn tires and brake pads and lubricating/cleaning various control linkages. Installed new main gear tires.

One of my cowl flaps wasn't working; found the disconnected ground wire for that.

The plane power alternator Van's supplied has a less than stellar record for reliability, so decided to replace that with a B and C. That meant mounting and wiring an external voltage regulator. B and C has everything you need to make that no big deal, but working under the instrument panel on the cabin side of the firewall is not easy. Total cost for the alternator, regulator, installation kit and shipping was \$626. \$10 less than the Plane Power alone lists for.

Many of you have heard about my experiences with the Odyssey PC-680 battery. Trying to start my hi compression IO-360 was everything that battery could do, and in the winter it could just barely do it. After some research, decided to replace the Odyssey with a EarthX ETX-680 lithium. While a bit pricey at \$390, the numbers suggested this would start my motor much better, and the EarthX has built in thermal protection.

When you first receive the EarthX and pick up the box, you get the impression the box is empty! The battery weighs 4 lbs! The Odyssey weighs about 15 lbs; it is an amazing difference. No easier way to take 10+ pounds out of your airplane. But the biggest difference was when I went to start my engine after sitting for over 2 weeks. Blades swung by so fast, the next thing I knew it was running! Huge difference. It is not a drop-in replacement with the Odyssey. Slightly different dimensions. I bought the battery box from EarthX, another \$60. This was my best upgrade by far.

These guys I fly formation with finally talked me into installing a smoke system. Mass formation events want you to have it. It's a good way to be able to judge your own aerobatics. Also good for showing your location to other aircraft. This installation took the longest, and was pretty involved.

I didn't like the idea of contributing more air pollution, but come to find out smoke oil is very thin mineral oil with minimal polluting effects. Now all I have to do is figure out a good way to clean the belly of the airplane!

I installed spring loaded hinges for my aft baggage compartment door and the top cowl oil check door.

Finally, I added firewall insulation for heat and noise.

All this took close to 3 weeks, doing about 4-5 hours each day. No better way to spend time during lockdown. What else was I going to do? Oh, and some beers with "social distanced" friends in other hangars for sanity...

I'm a lucky guy.

Another flyer to follow. See you all in the not so distant future, I hope!



Raegan B - Private pilot certificate, almost within reach; hitting one delay after another. The sky is calling!



Erick W - Pilot caught socializing with his plane. Luckily, the only thing contagious was the desire to FLY!



Larry J - Hope your staying safe and sane! Unfortunately our plane has been in the shop for a \$22K + bird strike damage since early March. The hanger is empty and fairly clean. So...no plane to hug, kiss, sleep in, clean or otherwise.

I have been studying different aspects of aviation. I have also been giving ground school lessons to my students or anyone interested learning about any topic at all.

I've been using Zoom.com to do virtual lessons. I will also be conducting our first Chapter IMC Club meeting next week (21 April 2020), virtually, using Zoom!

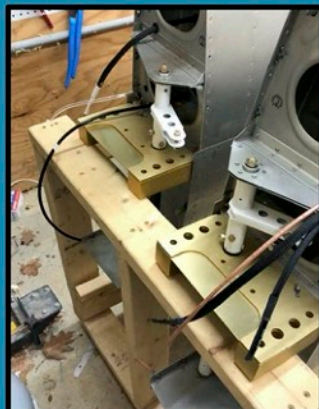
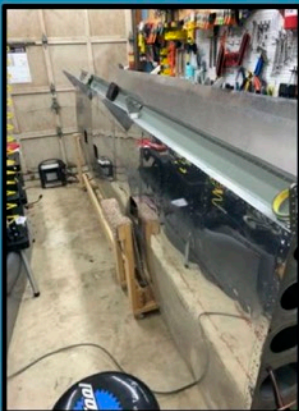
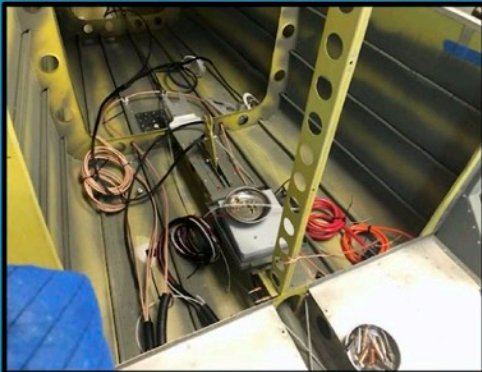
More info on previous page; Mastering the Art of Navigation:

[FAASafety.gov](https://www.faa.gov/safety) link.



FREDERICK SPORT FLYERS

RV-10 Progress Report



Work continues on the RV-10, although at a much slower pace. Steve reports that the COVID RV-10 workforce has been effectively reduced to Steve. 😞

Even with the greatly reduced workforce, progress is still measurable, and work continues every day. Milestones reached in the past month:

The Wings are in Steve's garage, and they get attended to for a couple of hours every evening. Recent developments include:

- Wing rough in wiring is complete
- The autopilot and trim services are installed, tested, and wired in
- The control rods are installed and calibrated to length
- The dreaded large bottom skins of the wings are riveted on
- All of the lights have been assembled (they were LED board kits) and tested
- Only the wing tips and the landing light cut-outs remain to be done

The Fuselage is sitting lonely and unattended most days. However, work still proceeds on Thursday evening and Saturday mornings. Recent progress includes:

- Completion of conduit installation and rough in wiring from tailcone to panel area
- Completion of antenna wire runs
- Installation of luggage area and passenger seat flooring panels
- Static lines have been run from the tailcone

Most importantly, the project team's shirts have arrived (Rachel, my daughter is modeling), for everyone on the build team.

Submitted by Steve Gross



April Board Meeting

15 April 2020

Chris Gunther, Rex Bullinger, Larry Jarkey, Ernest O’Roark, Mary Ann Alvarado, Erick Webb

Meeting called to order at 7:05 p.m.

- Chris reported that Mark Pankratz was planning to put up flyers advertising a May meeting, but depending on the Governor’s stay at home order. An email exchange happened, and it was decided that there’d be no one to read them and it’s not an essential service. EAA is suggesting doing video meetings instead of Chapter gatherings.
- There’s a chance we’ll attempt a virtual meeting for May. Steve Gross has his Island Hopping presentation prepared. We could also record it and email the link to the video to others.
- There are many options available for chats, so we need to determine which will work best.
- Larry has IMC Club meeting scheduled for next week (virtually). VMC Club is at a standstill. Initial person lined up to do it had to back out, a second person also declined. Keeping options open for now for VMC Club.
- Sport Air Workshop for June - Mark Forss is hoping to get some guidance from EAA by the end of the month.
- Ernie - Cub’s engine is a mystery at the moment; it’s still in Alabama. Jerry is doing well, but also doesn’t know about the engine.
- Mary Ann - Newsletter. Rex is working on class for June, but it’s on hold for the time being. No activities planned for now. Send cool aviation photos to Mary Ann for this edition of the newsletter.
- Chris suggested we have a picnic or social gathering to celebrate the end of the pandemic.
- We will attempt a May Chapter meeting with some instructions to come later, or in the Newsletter.

Meeting adjourned at 7:40 p.m.

Submitted,
Erick Webb, Secretary



Video Conferencing

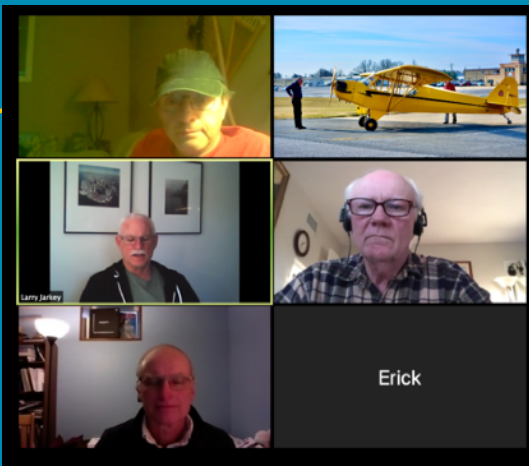
EAA Chapter 524

May Meeting Email invitation

Chapter members will receive an email that will contain:

- Hyperlink - join the meeting on your browser
- Meeting ID - if you have Zoom loaded on your machine, you have the option to enter an ID, just enter the number
- Password - provided in case it is required

If you have Security Software, use it!
Always.



Zoom attendance format.

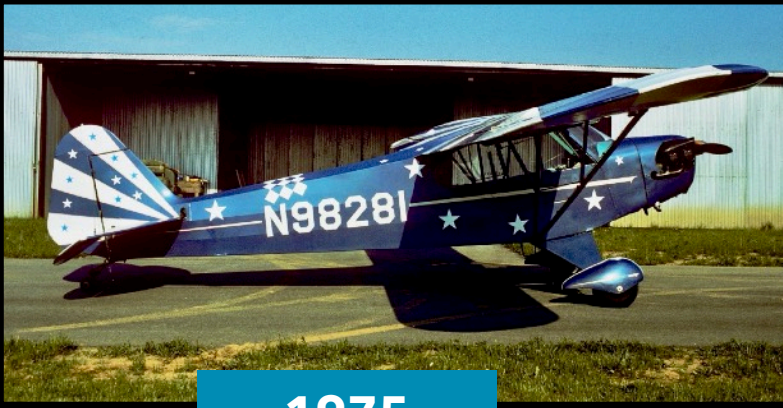
Use your computer camera, load a photo of your choice or turn the camera off. This is just one format for viewing attendees. A split window is used to view presentations and attendees are shown on the margin. You can scroll or pin members you want to view on your screen. More options are available to you, feel free to play.

Not comfortable with computer conferencing? There is a phone dial-in options available also. Feel free to dial-in , even if it is only to say hello and let everyone know you are alive and well (or a little stir crazy).

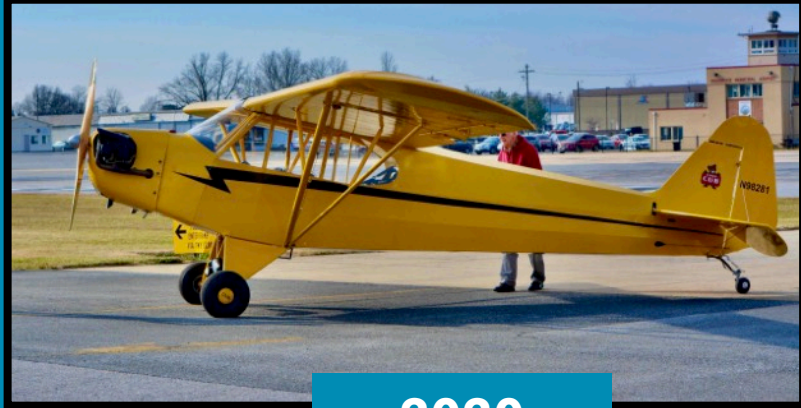


Project: Chapter History

1946 Piper Cub



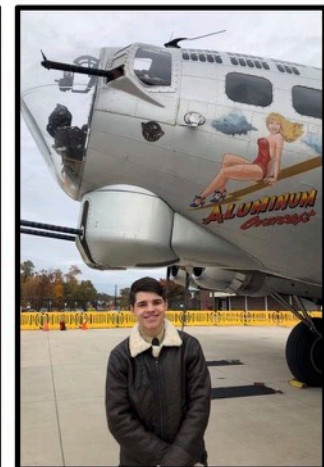
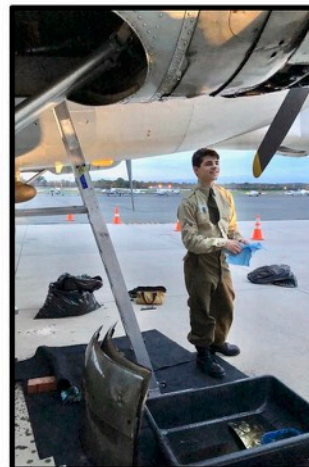
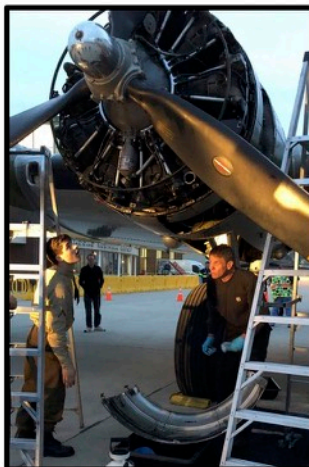
1975



2020

Modern Adventure with a WWII B-17

This was a real adventure. The plane had to return right after it went up due to an oil leak in one of the engines. The crew really responded to Dimitry's interest, explaining the problem and needed repairs to him. He even helped clean oil off of the plane. Dimitry had dreamed of flying in a B-17 for years and was devastated at the loss of the Nine-O-Nine and her crew and passengers. He decided to use the money he earned working the summer before to buy a ticket to fly in the Aluminum Overcast when it came to Manassas Regional Airport in October 2019. I believe the pics are from 10/26/19. He convinced a worried mama to let him take the flight with the argument that they may outlaw this type of living history opportunity soon (because of the Nine-O-Nine) and then he would never have the chance to live this dream. Well, he lived the dream, was given a full refund when the flight was cut short, and was even more excited to be welcomed by the crew as they worked on repairs. The entire EAA B-17 Aluminum Overcast crew was wonderful. Dimitry can tell you in detail what was specifically wrong with the engine if you'd like to know. Young EAA Chapter 524 member, Dimitry Madsen is an avid collector of WWII clothing, gear and aviation facts.





Upcoming Events

Chapter Virtual Meetings

Meeting date & time: May 7, 2020; 6 pm

Email invitation for ZOOM video conferencing. Instructions on page 5. Email with link will be sent 5-15 minutes before meeting time. Don't panic if it is not up, it is the chapter's first time, so it might take some time. If you don't have a computer, you can dial in with a phone.

Board Meeting: To Be Announced.

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>

Go to EAA SportAir Workshops at:

<http://www.eaa.org/sportair>

Chapter Program Schedule - 2020

Month	Program
March	Chapter Banquet — Piper Cub Completion To be Re-scheduled
April	Cancelled due to COVID-19 restrictions
May	Virtual Conference - Email Invitation 5 minutes before meeting. Steve Gross will present on his trip to the Bahamas. Steve flew to 7 different islands, and will share what you need to know to do this trip of a lifetime yourself. Sure to be entertaining!"
June	TBD
July	No Meeting

Refreshment Volunteers 2020

Here is a list of volunteers supplying refreshments for 2020. The Board of Directors thanks you for your support (and munchies).

January	Lew, Rebecca, & Mary Bish	July	N/A
February	Buzzard Family	August	Eric Webb
March	Cancelled	September	TBD
April	Cancelled	October	TBD
May	Virtual snacks! LOL!	November	Mark Sarrasin
June	Jack Fromm	December	TBD

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★ EAA Flight Advisors

Vacant

★ EAA Technical Counselors

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Mark Pankratz

mlp07@live.com



Area Events of Interest

Maryland Regional Aviation

Conference

June 17-19, 2020
St Mary's County Airport

Join us for a fabulous celebration of our 25th Anniversary! Registration opens at 12 noon with a Welcome Reception from 6 - 8:30 pm in the terminal building at St. Mary's County Airport. Sessions will be held in the USMSM University System of Maryland at Southern Maryland, followed by dinner, an evening keynote speaker and 9th Annual EMBA Awards Ceremony at the Patuxant River Naval Aviation Museum. Tower tour on Friday at PAX Naval Air Station and other airport activities TBD.



College Park Aviation Museum

Engineering 101

Saturday, May 16, 11:00 am
Admission: \$5 per participant

Learn the basics of engineering through an interactive, hands-on challenge. Contact 301-864-6029; TTY 301-699-2544
1985 Corporal Frank Scott Drive, College Park, MD 20740

EAA 2020 Sport Pilot Academy

Applications Open

Applications for Collegiate Sport Pilot Academy will be accepted through March 20, 2020.

The three-week program offers one-on-one and small group instruction, with flight training in new Van's RV-12iST aircraft equipped with the latest Garmin avionics. Lodging, meals, and camaraderie with fellow students are all included, as well as additional aviation experiences that can be found only in Oshkosh.

The 2020 Sport Pilot Academy sessions will be held on the following dates:

- May 9-31 (Collegiate Sport Pilot Academy)
- June 6-28
- August 8-30
- September 5-27
- October 3-25

EAA Green Dot Podcast

The Green Dot

The Green Dot features EAA news, general aviation topics, history, personal experiences from the hosts and a variety of guests, and anything fun, interesting, or cool in and around the world of flight.

Future episodes of The Green Dot - released every two weeks. Subscribe to our blog, get notifications of new episodes, or via iTunes, Google Play, Stitcher, and other popular podcast channels.

Visit Podcast Episode Listing:
<http://inspire.eaa.org/eaas-green-dot-podcast/>



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/eaawebinars>

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.

Don't have time for a live Webinar? Log in and browse EAA Video Library, watch at your leisure: <https://eaa.org/Videos/>

- 4/22/20 Flying Clubs - Growing Participation in Aviation
- 4/22/20 Five Weather Planning Tips to Get Ready for Summertime Flying
- 4/23/20 Choosing and Using Tools for Your RV Build
- 4/28/20 Fly the Easy Way
- 4/29/20 Float Flying: Freedom to Explore
- 4/30/20 What's Involved in Kit Building
- 5/5/20 Flight Testing 101
- 5/6/20 Is it Legal to Install?
- 5/7/20 Critical RV Flying Skills
- 5/13/20 Operation at Towered Airports
- 5/19/20 Understanding Hypoxia in Aviation
- 5/20/20 Getting to Know the Rotes 915 iS Engine
- 5/27/20 Amateur-Built Condition Inspections
- 6/3/20 Predictive Maintenance

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 www.524.eaachapter.org



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.

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



EAA 524 Chapter Website

The EAA Chapter 524 website: www.524.eaachapter.org

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_____