



The Frederick Flyer



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President's Message

It might be hard to see from the picture below, but that's a bag of rivets our cat found and swatted around the house for a little while. The rivets are part of Van's Aircraft skill building practice kit. You build a little aluminum toolbox using some of the same skills and tools used to build one of the company's aircraft kits.

This kit has embodied the typical homebuilding experience in many ways. I purchased the kit more years ago than I can remember. I borrowed some tools from the Chapter, bucked most of the rivets on the sides and then was stumped on the the hinge for the lid. It went on the shelf for a long time as everyday life took over. When I got it out again, I messed up the hinge and bought a new one from Aircraft Spruce on a trip to Airventure. I made a modification to the lid with another Chapter member that did not work, so I bought another kit from Van's just so I could get another lid. I figured out how to use the original lid, but it was lucky I bought the second kit because it allowed me to reproduce some small parts I had lost along the way. After the cat found the rivets, I bucked some more rivets on the toolbox, thanks to Tim showing me how to use a pneumatic tool I had never used before. Just the handle and latch left to go.

Delays, lost or remade parts, learning from Chapter members, and a little perseverance, all things this simple toolbox kit has in common with any airplane project.

What aviation project do you have that you need some help to start or finish? Let us know!

In the meantime enjoy the beautiful fall weather, join us at a VMC or IMC meeting, or one of the Thursday or Saturday build sessions.

And if you do nothing else aviation related this week, click over to our own Erick Webb's excellent article:

[Father-son bonding clear across the country](#)

Take care everyone,
Chris
President
EAA Chapter 524





Bob Miller Retirement Celebration



Bob Miller Retirement Party
Sep 24, 2022

Good food, good friends, games and laughter were part and parcel for the day. Thanks to everyone who took the time to attend. A special thanks to Doreen Reger for her assistance in helping the event run smoothly. Thanks Linda, you planned and executed another wonderful party. Congratulations Bob!



Chapter Meeting Minutes

06 Oct 2022

Meeting called to order at 7:05 p.m. by Mark Pankratz

- Neil presented the new big money 50/50. The prize is \$250, each ticket costs \$25 and a maximum of 20 tickets will be sold. The raffle will be held until 20 tickets are sold; winner need not be present to win.
- A lot of new faces this evening.
- Hans Hoffmeyer, a student at Bravo, stopped by this evening.
- Roger Huggins, PPL/IR/Rusty Pilot who's done most of his flying on the West coast.
- Chuck Nicholas, PPL/IR/CAP, helped with RV10.
- Dean presented Mia Anderson (our latest Ray Scholar) with an Ray Scholar hat, shirt, and pin. She has 10 hours and is nearly ready to solo.
- Fly-In at Smoketown, Easton, Shoestring (OP2), and Cheat River this Saturday.
- Next weekend, Chapter 240 at New Garden is having a breakfast 8:30-11:30 am.
- Veterans Build working on landing gear (2 brackets took 6 hours), going through plans to be sure nothing was missed. November 9 is confirmed ship date for finish kit from Zenith.
- RV12 build is going well. Rudder, vertical stabilizer, and stabilator are finished. Working on tail cone now and may outrun their kit orders at this point. Currently waiting for fuselage kit to show up. If anyone is thinking of building an RV, please come by Thursday and Saturday mornings.
- If anyone is interested in a t-shirt or polo (with or without pocket), see Tim and let him know what you'd like. Final cost will be between \$25 and \$35 (final price TBD). There will be a slight markup to help the Chapter cover costs and go back into the Chapter funds.
- Steve Gross reported that the RV10 has gone through the 40 hours. Have worked through the last of the avionics glitches, but noticed blue staining under the left wing (fuel sender was the suspect and replaced, but issue continued) and some rivet weeping. They flew to Leesburg to get avionics work done and noticed on the top side of one of the tanks, 4 rivets in a row were spilling gas. They flew it back to FDK and found 40 leaks in the quick-build tank that came from Vans. The leaks were likely due to high vapor pressures in July and August. Now has the tank down to one leak. Steve called Vans about the issue and said it would be 6 months; their next response was to send a kit to build one in-hangar. Finally, Vans found wings that were recalled for corrosion that had good tanks and is sending a tank from one of those wings and sent it in.
- Paul Chang is building an RV10 elevator and folded one of the edges improperly but showed Steve and he said it would be fine. Priming tomorrow, and riveting vertical stabilizer, rudder, horizontal stabilizer, and then starting on trim tabs. Tailcone by the end of the month.
- Michael Bishop has a Quicksilver and a couple other parts and pieces of 2 others. If anyone is interested in helping, he's at MD20 in Taneytown, MD.
- Jerry Blake presented "Charles & Anne Morrow Lindbergh: Their Lives & Times, The Formative Years"
- 50/50 was \$110; \$55 to and \$55 to the scholarship fund.

Meeting adjourned at 8:43 p.m.

Submitted,
Erick Webb, Secretary

Board Meeting Minutes

13 Oct 2022

Board Meeting

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

Meeting called to order at 7:02 pm by Chris Gunther

- Mark shared the speaker lineup for the next couple of months: November will be Dan Morris will present latest developments in aircraft hydraulic fluids. Tom Comeau will present in December with updates on the James Webb telescope. We will likely have Jerry present in January to continue his Lindbergh presentation.
- Chris talked to Kevin and will try to get a shirt order out in the next few weeks for people who've signed up for them.
- VMC Club will be this coming Monday, IMC Club will be Tuesday; both meetings will be at 7. Have to offer 40 seats in order to get the meeting on the email list from faasafety.gov. Have to offer 400 seats on Zoom.
- Ashton, VA Boy Scout troop has reached out. Don't allow experimental, sport pilot, or BasicMed for flight experiences. That eliminates most of our Chapter aircraft and members.
- We'd like to start considering another banquet or picnic.
- Mary Ann talked to Dan Morris about a battery-powered tug.
- Ernie reported on the efforts to find a cheap/free airplane to restore and sell as a fundraising and educational opportunity.
- If everything goes well, the Veterans Build will be done next fall. An RV-12 will likely be the next project.
- We'd also like to think about doing SportAir Workshops again, or a winter ground school now that COVID has subsided somewhat.

Meeting adjourned 7:31 pm

Submitted,
Erick Webb, Secretary

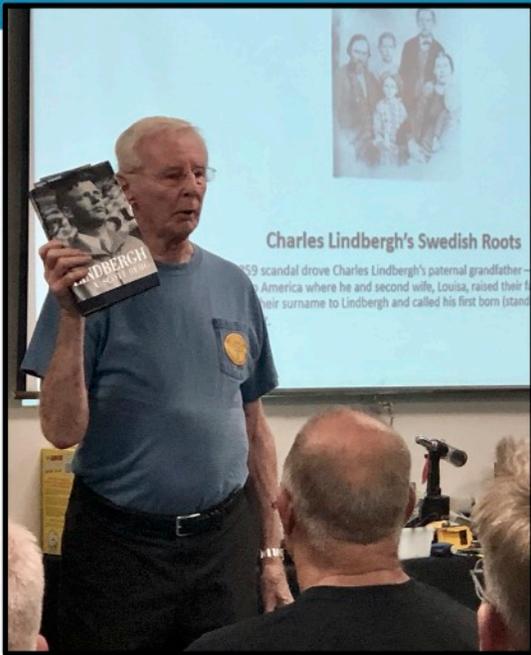


2022 October Chapter Meeting





Charles & Morrow Lindbergh Presentation



Charles Lindbergh 1906-1919

- During these years Charles lives with his Mother and, except for periodic visits, separate from his father.
- He attended schools in Washington, D. C., Redondo Beach, CA and Little Falls, MN.
- In his high school senior year he is back in Little Falls and successfully running the family farm.
- World War 1 gives him the opportunity to leave school early to provide food for the war effort and still obtain his diploma without any examinations.

Charles Lindbergh 1922

- On April 8, 1922 Charles takes his first airplane flight in a Lincoln Standard Tourabout. He shares the front passenger cockpit with 16 year old Harland "Bud" Gurney, who will become a life long friend.
- By the end of May 1922 he had received about eight hours of flight instruction.
- The only airplane the NAC has for flight instruction is sold to Lincoln pilot Erol G. Bahl who plans to barnstorm the airplane throughout the mid west.

Charles Lindbergh 1922

- C. A. Lindbergh pays for tuition at the Nebraska Aircraft Corporation (N A C).
- On April 3, 1922 Charles begins his training at NAC by helping to recondition some of their airplanes. He replaces aircraft fabric covering, replaces engines and helps in aircraft reassembly.

Jerry began the presentation introducing two books that are referenced down below. I have included a few samples of his presentation slides but can't begin to give it justice. Suffice it to say that the career path and successes of the "Lindbergh" family were colorful and not without some difficulties. Jerry terminated the presentation with the completion of the Spirit of St Louis and its preparation for the trip to Paris

The story will continue during a future meeting. . .

STAY TUNED!



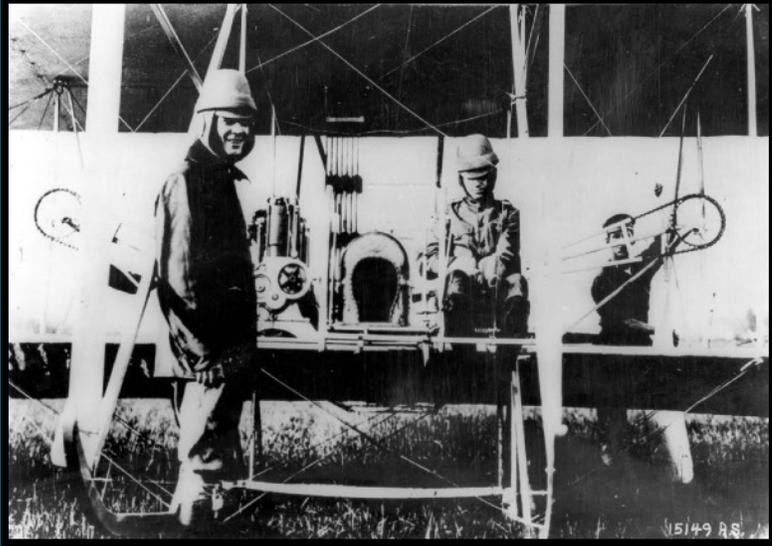
A. Scott Berg's Pulitzer Prize-winning biography of Charles Lindbergh remains "the definitive account" of one of the 20th century's most extraordinary figures. Lindbergh's is "a dramatic and disturbing American story," says the "Los Angeles Times Book Review, and this biography—the first to be written with unrestricted access to the Lindbergh archives and extensive interviews of his friends, colleagues, and close family members—is "a thorough, level-headed evaluation of the glories, tragedies, and often infuriating complexities of this extraordinary life" (Newsday).

"The Wright Brothers 1904 & 1905. Developing and Flight Testing The Wright Flyer II and The Wright Flyer III"

The book, written by Gerard Blake, covers the trials and tribulations of developing the Kitty Hawk 1903 engineering proof of concept airplane into a practical flying machine using the Wright's notebooks as the primary reference. The five dollar cost is for the benefit of the chapter hangar rent fund and not Frederick Sport Flyers.

VINTAGE NEWS

Thank you This Day in Aviation



Lieutenants Arnold and Milling at College Park, Maryland, 1912. (U.S. Air Force)

9 October 1912: In October, Lieutenants Henry H. Arnold and Thomas DeWitt Milling, both assigned to the Aeronautical Division, Signal Corps, United States Army, were ordered to enter the competition for the first Mackay Trophy for "the most outstanding military flight of the year." Milling withdrew because of illness shortly after the competition started.

"Hap" Arnold won when he flew a 40-horsepower Wright Model B biplane over a triangular course from College Park to Washington Barracks at Washington D.C., on to Fort Myers, Virginia, and back to College Park . . .

The Model B was powered by a single water-cooled, fuel-injected, 240.528 cubic-inch-displacement (3.942 liter) Wright vertical overhead-valve inline four-cylinder gasoline engine with 2 valves per cylinder and a compression ratio of 4.165:1. It produced 32 horsepower at 1,310 r.p.m. During three years of production (1908-1911) Wright "4-40" engines were built that operated from 1,325 to 1,500 r.p.m. Power output ranged from 28 to 40 horsepower. These engines weighed from 160 to 180 pounds (72.6-81.6 kilograms).

Two 8½ foot (2.591 meters) diameter, two-bladed, counter-rotating propellers, driven by a chain drive, are mounted behind the wings in pusher configuration. They turned 445 r.p.m.

The Wright Model B had a maximum speed of approximately 40 miles per hour (64 kilometers per hour) and its range was 110 miles (177 kilometers).

Approximately 100 Model B aeroplanes were built by the Wrights and under license by Burgess from 1910 to 1914. Three are known to exist.

Arnold won the Mackay Trophy again in 1934 when he commanded a flight of ten Martin B-10 bombers from Bolling Field, Washington, D.C., to Fairbanks, Alaska, and back.

Lieutenant Arnold went on to have a successful career in military aviation.

... click on title for full article.



Club Bulletin Board



EXPERIMENTAL AIRCRAFT ASSOCIATION CHAPTER 524

WHEN: FIRST THURSDAY OF EACH MONTH, 7:00 P.M.
WHERE: AVIATION EDUCATION CENTER
 (HANGAR SOUTH OF THE FREDERICK FLIGHT CENTER AT FDK)

General Aviation Hydraulic Fluids NEXT REGULAR MEETING NOVEMBER 3
SPEAKER: DAN MORRIS

"GENERAL AVIATION HYDRAULIC FLUIDS"

DON'T THINK ABOUT HYDRAULIC FLUID MIX? OUR RESIDENT TECH GURU, DAN MORRIS DOES! COME LEARN ABOUT THE LATEST IN SAFER ALTERNATIVES.



A HUGE thanks to **Rex Bullinger** for his enthusiasm and service to the chapter as Sport Air Workshop Coordinator!

Welcome and Thanks to **Terry Smith** for accepting the position of Sport Air Workshop Coordinator. Don't be afraid to ask for help, the chapter is filled with talent and spirit.

Website
Facebook

8th Annual **Harvest Festival Fly-in**
 at Shannon Airport keef

SATURDAY 29 OCTOBER
MAKEUP DATE SUNDAY, OCTOBER 30

GATES OPEN 10AM-4PM GA \$10 KIDS (4-12) \$5 3 & UNDER FREE
OVERFLOW PARKING AT THE FREDERICKSBURG FAIRGROUNDS

CANDY DROPS
 AT 12PM & 2PM FOR AGES 12 & UNDER

TRICK-OR-TREAT AVIATION STYLE
PILOTS BRING CANDY & KIDS WEAR COSTUMES!

DISPLAY AIRCRAFT | SHANNON AIR MUSEUM
FOOD TRUCKS | ACTIVITIES FOR KIDS | VENDORS
AIRPLANE & HELICOPTER RIDES AVAILABLE FOR PURCHASE

All event proceeds will support the Shannon Air Museum, a 501(C)3 non-profit organization. Tickets are non-refundable. For questions, vendor inquiries and sponsorship opportunities, email info@shannonmef.com or call 540-373-4431. For event updates, visit our Facebook page @Shannonairportfredericksburg 3300 Shannon Airport Circle Fredericksburg, VA 22406

SCAN HERE TO PURCHASE TICKETS, FAMILY PACKAGES, AND SPONSORSHIPS!




Vans RV-6A battery powered tug

Fly-In/Events of Interest

SPEAK-OUT SERIES
 by SMOKEHOUSE PILOTS CLUB

WEDNESDAY, OCTOBER 19TH
6:00PM - 7:30PM

INSIDE LOOK AT THE CIVIL AIR PATROL

CAPT. MARCO LEON & 2D LT. MIKE WALKER
 LEESBURG COMPOSITE SQUADRON, MAR-VA-17

CIVIL AIR PATROL
 U.S. AIR FORCE AUXILIARY

Facebook

SPEAK-OUT SERIES
 by SMOKEHOUSE PILOTS CLUB

WEDNESDAY, NOVEMBER 2ND
6:00PM - 7:30PM

AVOIDING ILLEGAL FLIGHT OPERATIONS

PERRY BENSHOOF
 WASHINGTON FSDO FAAST

Facebook

SAVE the DATE
FRIDAY, NOVEMBER 4, 2022 • 9AM-2PM
 Aviation Education & Career Expo

Facebook

To Date: More than \$1.3 Million in Aviation Scholarships Awarded

www.projetaviation.com under "Aviation Expo" for Details and Registration
expo@projetaviation.com / 703.889.8558 ext 102

Golden Age Museum Fly-in

October 22 - 23, 2022
 • Bethel, PA - (92 nm)
 • Grimes Airport (8N1)

click on title and follow the link

KRDG
 READING REGIONAL, PA

SMOKEHOUSE FLY OUT
OCTOBER 23



Facebook

KHZL Halloween Fly-In Event!

Saturday, October 29, 2022
 From 10 am to 2 pm

Flying in with your kids? We will have trick or treating for them too!

Come in costume! Prizes for best adult and best kid's costumes!

FAAST Team Seminar starts at 11am
 Lunch will be provided after seminar

Sponsored by: **CAVU**
 AIRCRAFT MAINTENANCE AND AIRBORNE LLC
 HAZLETON REGIONAL AIRPORT, HAZLE TOWNSHIP, PA



Upcoming Events

Chapter Meetings

Meeting date & time: November 03, 2022; 7 pm

Presentation: by Dan Morris on "General Aviation Hydraulic Fluids"

Board Zoom Meeting: November 10, 2022; 7 pm.

VMC Club Meeting: Oct 17, 2022 and Nov 21 at 7pm

A hybrid meeting (at the Hangar and Zoom) is a success! More ways to join in. Visit [Event Calendar page](#) or reach out to the VMC coordinator (email listed on the right hand column)

IMC Club Meeting: Oct 18 and Nov 22, 2022; at 7pm

IMC meetings will be held in person at the Chapter Aviation Education Center/ Hangar, unless otherwise notified. For up to the minute clarification on meeting status, visit [Event Calendar page](#) or reach out to the IMC coordinator (email listed on the right hand column).

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
Oct	Gerald Blake: "The Lives and Times of Charles and Anne Morrow Lindburgh"
Nov	Dan Morris on "General Aviation Hydraulic Fluids"
Dec	Tom Comeau

CHAPTER OFFICERS

- ★ **President**
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- ★ **Young Eagles Coordinator**
Mark Pankratz
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- ★ **EAA Flight Advisors**
Vacant
- ★ **EAA Technical Counselors**
Jerry Blake
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Mark Pankratz
mlp07@live.com
Steve Gross
SGross@minkoff.com





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.

10/19/22	When the Engine Goes Silent *
10/25/22	Guidance for Using Young Eagles Online Registration and Digital Signature
10/26/22	Avoiding Loss of Control *
11/02/22	Real Life Breakdowns**
11/03/22	Using AeroEduate in an Education Environment
11/08/22	Past Aircraft of the Collection
11/09/22	Talk to the Tower - Communication in Controlled Airspace*
11/15/22	EAA Ray Aviation Scholarship - 2023 Update
11/16/22	ForeFlight IFR Pro Tips *
11/22/22	Flying the World's Fastest Airplane, the SR-71
11/29/22	Hosting a Young Eagles Rally - Advanced Best Practices
12/06/22	Rontax 912 Engines for Sonex Aircraft***
12/07/22	When Data Doesn't Look Right*
12/20/22	Living With Your Aircraft: A Guide to Finding or Building the Ideal Airpark
02/07/23	Sonex High Wing Aircraft Update***

* 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

EAA 524's VMC Club is primarily oriented toward VFR pilots of all experience levels and has been a huge success!

The VMC Club meets 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.

The VMC Club is meeting in person at the hangar and offering hybrid opinions using Zoom.

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



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. Now meeting in person at the hangar. Drop by and share in the knowledge.

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

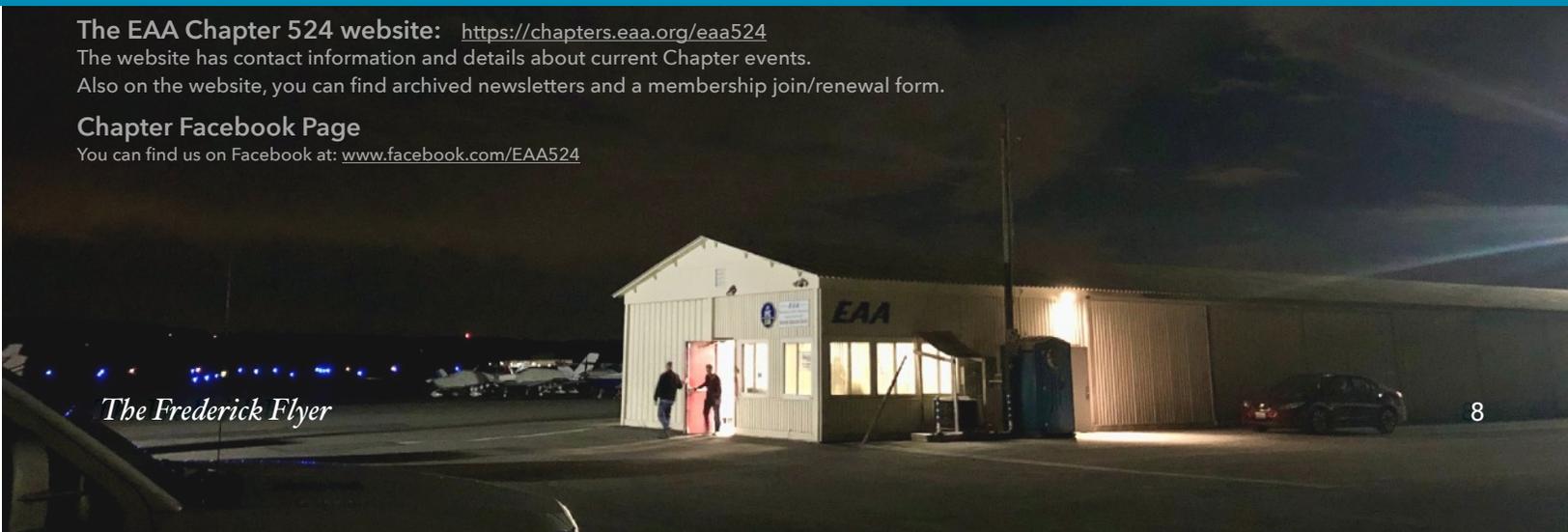
The EAA Chapter 524 website: <https://chapters.eaa.org/ea524>

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_____