

Plane Paper



[Member USUA #4](#)

[Find us on Facebook](#)

Ted Forman, President

Note: Any [blue](#) underlined word or words are hyper-links to other web sites, videos, documents, or files. Click to open or download it.

Some Club Updates

January 31st, 2021

Ted Forman, President

It's Official. Still More Work to do...

I submitted the initial paperwork to rejoin EAA as Ultralight Club 20 and they accepted it. EAA Chapter Field Representative - **Serena Kamps** wrote: "I have entered your chapter in our database and am happy to announce that you are now a provisional EAA Ultralight Chapter and can conduct meetings as such." She will be sending me a package of goodies that include:

- A hard copy of the Chapter Handbook.
- Chapter Nametags.
- A USB Drive pre-loaded with various templates, Chapter Video Magazines and a PowerPoint titled "What is an EAA Chapter" for you to use at open house events.
- Event planning guides.
- A Chapter Officer Reference Guide outlining the duties and responsibilities of each officer position.

At this point, we can hold regular chapter meetings. However, we cannot hold events such as Young Eagles Rallies or EAA Fly-Ins until we have completed a final set of items. These are:

1. Adopting a set of bylaws.
2. Obtaining a Federal Employee Identification Number (EIN). We already have one from our elapsed incorporation and have to sort out whether we can use it or get another.
3. Applying as a non-profit within the state of Maryland. Which I have started working on.

There is more work *and fun* ahead us as we grow our Capital Area Light Flyers Club into the large Ultralight club it was. We are on our way. Building new memories might help as well.

Building New Memories

A number of club members have reminisced about the demise of the huge annual Father's Day Fly-In weekend that used to take place at Shreveport North [62PA]; complete with camping out, evening movies, big feasts, etc. It is difficult to figure out how we might be able to bring it back. Let's figure out how we can recreate it. Here is a list of our fly-ins, weather and other conditions permitting... What ideas do you have?

May 15 Baugher's Orchard Airport [07MD] Pancake Breakfast Fly-In <https://skyvector.com/airport/07MD/Baugher-s-OrchardAirport>

June 19 Shreveport North Airport [62PA] <https://skyvector.com/airport/62PA/Shreveport-North-Airport>

July 04 Eyler's Field

Aug 14 Flying H Farm Airport [8MD5] <https://skyvector.com/airport/8MD5/Flying-H-Farm-Airport>

Sept 18 Shoestring Aviation Airfield Airpor [0P2] [OP2 - Shoestring Aviation Airfield Airport | SkyVector](#)

Oct 16 Keymar Airpark Airport [MD42] <https://skyvector.com/airport/MD42/Keymar-Airpark-Airport>

Show Me the Money!...

... Or at least help keep track of it. **Michael Bishton** has volunteered to be interim Treasurer until we can find easier/better ways to modernize receipts and payments, and find a more permanent Treasurer. Michael said that he hates doing this kind of work, so thanks for pitching in with this as well.

This effort just underscores the *wonderful and outstanding* job **Bob Warriner** did for over 30 years as Club Treasurer to keep us solvent, down to the penny! *Thank you, thank you, thank you, Bob!*

Meeting Minutes

January 6th, 2021

Michael Bishton, Membership Chair

Club President - Ted Forman called the meeting to order at 7:30 pm over Zoom. Ted thanked everyone for attending over Zoom.

Treasurer's Report

In the absence of Bob Warriner, there was no Report.

Membership Report

Michael Bishton said that membership remains about the same at 54 people. We won't know the numbers until we have the new Treasurer in place and have collected the membership dues from those who want to remain as members. We will be posting membership payment information some time in February.

Rejoining EAA

Ted talked about completing the paperwork on rejoining EAA as a club. (*Editor's note:* The results of his efforts were outlined earlier in the last article.) The objectives are to:

- Gain access to a larger national audience that will attract more members to CALF.
- Have EAA-sponsored Fly-Ins that are covered by EAA Accidental insurance.
- Support EAA-sponsored Young Eagles programs that attracts new pilots and members.

New 2021 Club Officers

Ted discussed the list of Club Officers and was thanking everyone for their participation. John Steward said that while he had agreed in December to be Club Treasurer, he thought that he would not be an appropriate fit. Ted said that this is a club of volunteers, and if it didn't fit, he certainly thought John should not do it. John hoped to help elsewhere.

President.....	Ted Forman
Vice President.....	Bruce Miller
Treasurer.....	Vacant, Michael Bishton - Acting
Secretary.....	Brenda Nivera
Newsletter Editor.....	Michael Bishton
Membership Chair.....	Michael Bishton
Safety Officers.....	Norman "Peanut" Pyles

Updated CALF Website

Michael Bishton said that over the coming month or two, he will continue updating <http://USUA4.org> to use a contemporary web environment called WordPress. This will allow us to post everything in one site; including public information like our meetings, selling CALF T-shirts, fly-ins, and newsletters, and private (club only) information like membership lists and payments. Watch this space...



Guest Speaker Presentation - Windy

Steve Beste - President, Flying Club 1

My Trike My Trips

Over the last 15 years, I have flown my Trike on many cross-country trips all over the region; up North, from central Pennsylvania, throughout Maryland and Virginia, and South to First Flight in North Carolina.

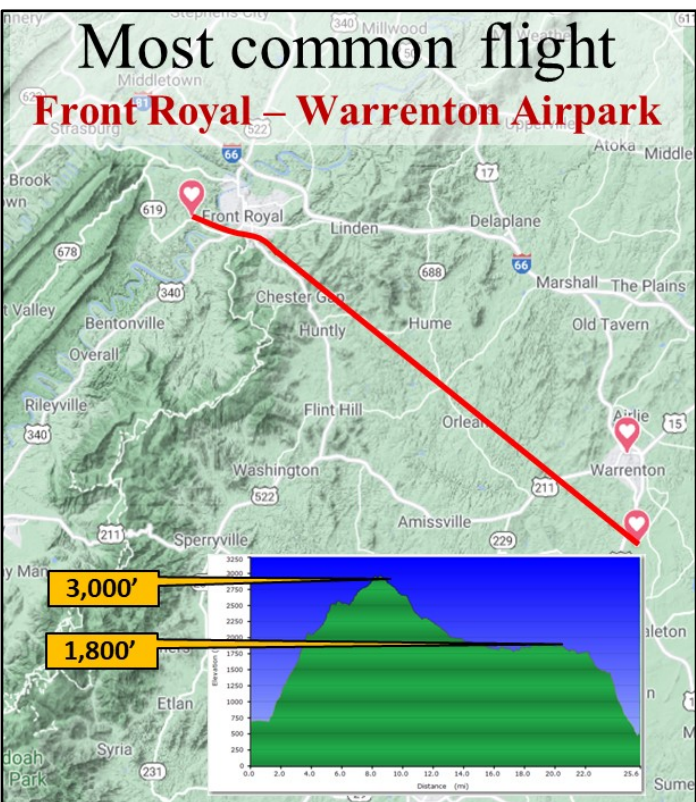
Weather permitting, I regularly fly my Trike the 27nm between Front Royal Airport [FRR] and Warrenton Air Park [7VG0] over the Shenandoah to attend the monthly *Flying Club*

I meetings. I avoid flying my trike when it is too gusty or the headwind speed is too high. The altitude from FRR, over the mountains to 7VG0 varies by 3,000ft. The wind speeds and direction vary as well.

My Planning

Variables	What I want	NOAA	Windy.com
Location	Winds along my entire route (KFRR to 7VG0)	Weather / winds @: • Elkins • Westminster • Richmond	9km grid (5.5 miles)
Wind Speeds at Altitudes	• Surface • 1,800ft • 3,000ft	• 3,000ft • 6,000ft	• Surface • 330 • 2,000 • 2,500 • 3,000 • 5,000
Time, Granularity	• 10:00 am • 2:00 pm	6 Hours	• 3 hours • (1 hour w/ premium)
Look-ahead Time	5 days	24 Hours	6 days
Update Time / Frequency	As frequently as possible	• 2/day • Current day	• 2/day • 4/day w/ premium

I like to plan ahead a few days to see if it will be worth the trip, from my house in Springfield, VA to FRR. I use Windy.com for reasons that I thought might be worthwhile to share with you. This shows what information I want and who provides it.



AVIATION WEATHER CENTER
NOAA NATIONAL WEATHER SERVICE

Local Forecast
Go
HOME ADVISORIES FORECASTS OBSERVATIONS TOOLS

Winds/Temps Data

Level: Low High 14Z-21Z [Print](#)

(Extracted from FBUS31 KMW0 061354)
 FD1U51
 DATA BASED ON 061200Z
 VALID 061800Z FOR USE 1400-2100Z. TEMPS NEG ABV 24000

FT	3000	6000	9000	12000	18000	24000	30000	34000	39000
BDL	3627	3612-04	3418-09	3513-14	3306-24	9900-36	311147	301652	301953
BGR	0328	0420-02	0422-07	0415-11	0308-23	0205-35	090851	990052	990053
CAR	0328	0519-01	0621-06	0725-11	0623-23	0723-35	092251	121354	180854
PMM	0330	0223-03	0318-07	0315-12	0611-23	0811-36	050950	331152	990053
EMI	3422	3524-05	3527-08	3331-12	3225-24	3115-38	305745	305849	304952
ACK	3629	3423-03	3418-09	3610-12	3312-23	3409-36	341348	321651	291852
BOS	0126	3623-04	3617-08	0112-12	0307-24	0307-36	351348	321452	291353
BML	3423	0322-04	0414-08	0515-12	0509-23	9900-36	060751	330953	990054
ACY	3422	3321-06	3319-09	3225-11	3023-24	3124-36	293048	304449	294751
ALB	3522	0119-06	3616-09	3614-14	9900-25	1307-36	280947	291353	301853
BUF	3313	3517-06	3520-08	3422-14	3223-26	3124-38	323048	323651	323752
JFK	3627	3316-05	3416-10	3317-13	3123-24	3122-36	301848	302051	303251
PLB	3420	0220-06	0419-09	0521-12	0618-24	0815-36	061150	310554	310854
SYR	3419	3623-07	3621-09	0221-15	0114-27	3414-38	311946	311651	312253
CLE	3510	3414-06	3414-08	3416-12	3435-22	3251-33	316048	305953	313755
CMH	3610	3512-04	3420-07	3518-11	3337-19	3152-32	297347	297455	295156
CVG	9900	0113-02	3515-06	3417-09	3032-19	2940-32	286747	287555	286058
AGC	3315	3421-06	3519-07	3417-13	3322-24	3251-34	317046	316352	304354
AVP	3325	3627-05	3521-09	3323-13	3129-24	3130-37	302049	302351	303451
PSB		3621-05	3523-08	3427-13	3227-25	3125-37	314147	324950	314351
ORF	3321	3428-03	3225-05	3225-12	3050-21	3088-30	790644	299552	298051
RIC	3419	3430-04	3326-06	3225-12	3046-21	3086-30	800644	299553	297352
ROA	3214	3512-03	3316-07	3222-12	3064-17	3069-30	298645	298853	287557
CRW	3308	3513-04	3418-07	3423-11	3150-18	3058-31	298146	298554	286858
EKN		3520-05	3518-07	3516-13	3243-21	3177-31	309546	308253	305955

Below is what NOAA/FAA provide for wind information. The information is still presented as text in a table, in the same man-

ner it was when it was produced by teletype. The FAA has other weather presentations that include maps with pictographic weather representations with front lines, etc. Not sophisticated.

In contrast, Windy provides free online wind and weather information that spans from several days out to near-real time of 3 hours (1 hour with Premium Package for a modest annual fee).

- It gives me a wind profile along the flight path at varying altitudes so that I know the best altitude to fly cross-country.
- I find Windy to be much easier to visualize and understand. I also find it to be more timely than the information from NOAA/FAA's Weather Center. Below is the information I want compared to what NOAA /FAA and Windy provide.

Here, for example, is a wind forecast for Warrenton Air Park [7VG0]. The chart in the bottom right-hand corner of the page shows the colors used to represent increasing wind speeds.

Instead of boring you with pages of instructions on how to use Windy, I have labeled some of the many features in Windy.com below. But there are a few worth emphasizing.

- **To look at an extended weather forecast of any location,** enter that location or Airport Designation in the search box in the upper left. It will display an extended weather forecast like the one pictured above.

The screenshot shows the Windy.com interface for airport 7VG0. A search bar at the top left contains '7VG0'. A callout box points to a hamburger menu icon with the text 'Click this Menu for other options'. Another callout box points to the search bar with the text 'Enter Airport Designation to see extended weather forecast'. A third callout box points to a slider at the bottom right of the map with the text 'Move this slider to change altitude'. A fourth callout box points to a play button at the bottom left of the map with the text 'Move this slider to look ahead'. The main content area displays a METEGRAM for Tuesday 2 and Wednesday 3, including temperature, wind, pressure, and cloud data. The map shows a green terrain with wind vectors and a color-coded wind speed scale at the bottom right.

The screenshot shows a detailed wind profile chart for a flight path. The chart is titled 'Start - 5 PM' and 'Finish - 6 PM (1h)'. It displays a timeline from Tuesday to Thursday. The vertical axis shows altitude in feet (ft) and meters (m), with markers for 100m, 300m, 600m, 900m, 1500m, 2000m, 3000m, and 3300m. The horizontal axis shows time in hours and minutes. The chart displays various weather parameters: Rain, Convective r., Snow, Clouds, rain, Weather warnings, Cloud tops, Cloud base, Surface visibility, and Dew point spread. A 'freezing altitude' line is shown. The chart also includes a 'Speed' indicator set to 19 kt and a 'Save route to favorites' button.

- To look at the wind speed in any location on the screen, click on that spot. Then move the altitude slider to see wind speeds at varying altitudes.
- To look at wind speeds along a flight path, Click on the menu bars in the upper left and select "Distance and Planning" from the list. Enter the starting and end points. There is an example of this at the bottom of the page. Windy will

draw a line and display the elevation profile along that flight path. Click on "VFR" located below the elevation profile to display the wind profile along the route.

It will be worth your time to poke around and explore its many features. If you end up in a screen and are not sure how you got there, just click on the "back" button or close the web page and start over. I think it will be worth your time.

Plane Paper Classifieds

You get 6 months of free advertising. USUA#4 will not guarantee any item in this classified section for its quality or spelling. To add or remove Ads from this sheet: call Bruce Miller 304-761-4523 or e-mail BruceMiller730@icloud.com

Wanted: -

Services: -

Light Sport Flight Review in Your Aircraft. Years of experience training and flying in a wide range of Light Sport Aircraft. A & P for all types of Light Sport and Ultralight Aircraft.
Contact: Dan Wroe - 410-991-5514 - skid_wroe@yahoo.com

PPG USPPA Instructor -
At Shoestring Airport [0P2], Stewartstown, PA.
[ParaFlight LLC https://www.paraflightnc.com/](https://www.paraflightnc.com/)
Contact: Brian Goff - 703-963-7389 - spin2329@gmail.com

Patriot Fabrication LLC for all types of welding, fabrication, machining. Veteran Owned and Operated. AWS Certified

- Located in Thurmont, MD. I have 24/7 Mobile Services.
- Steel, Aluminum, Stainless, Brass, Bronze, Cast Metals.
- Structured steel, aircraft tubing repair, handrails/gates, decorative metals, auto/marine, residential and commercial.

Contact: Patrick Morgan - 443-765-1183 - patriotfabricationusa@gmail.com

For Sale:

Property: -

Assembled Aircraft / Kits / Parts:

Other Items:

None, at the moment.

If you have an item in this listing that has been sold, please, please contact Bruce Miller to remove it at 304-761-4523 or e-mail BruceMiller730@icloud.com