

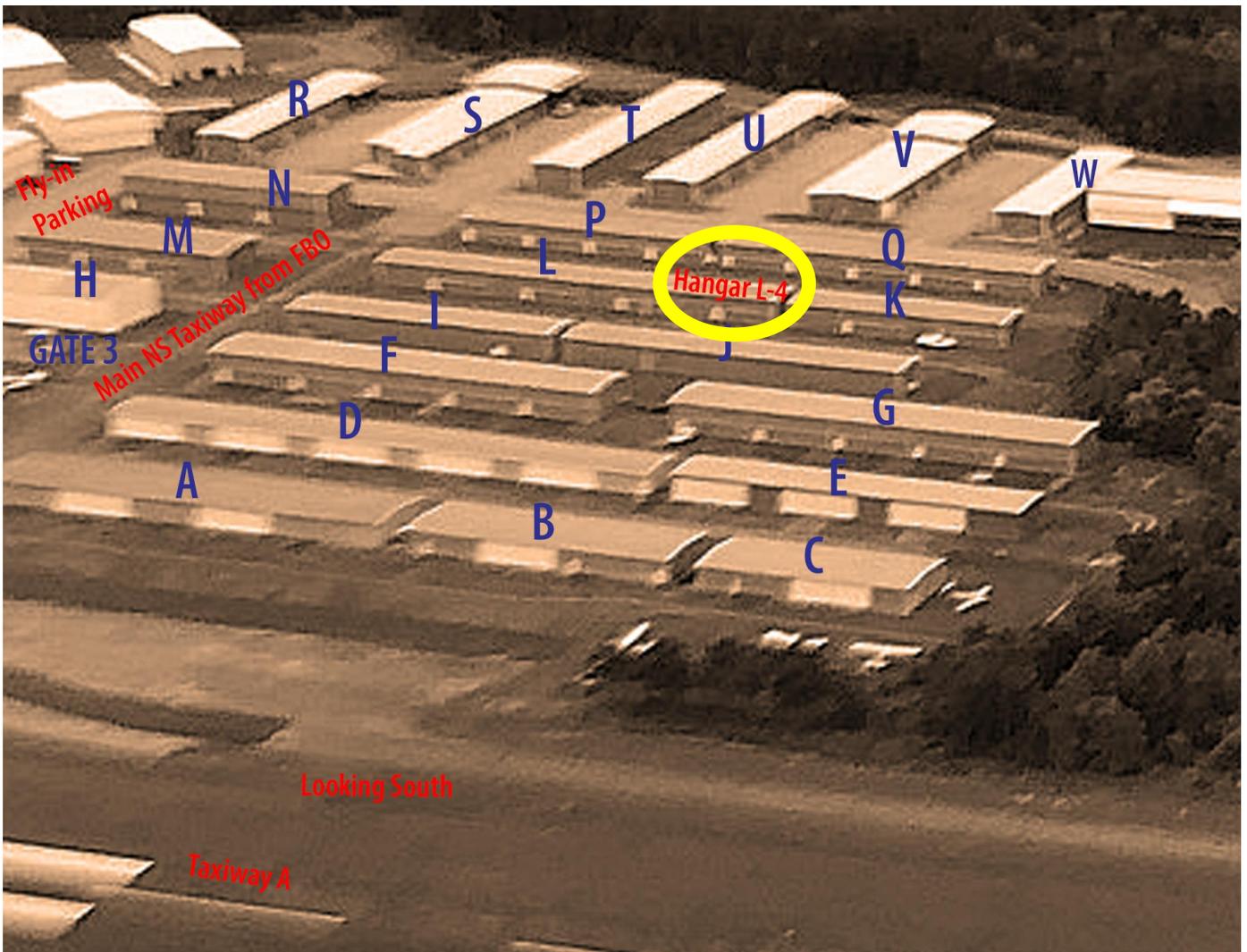


EAA Chapter 478
COCKPIT CHATTER
Lexington Park, MD June 2023
A Bronze EAA Chapter



EAA Chapter 478 Monthly Gathering June 20, 2023

Open Hangar Get Together -2W6, Hangar L4
Start at 5:30 PM, snacks will be provided
More details to be provided via email and below



Open Hangar Night Tuesday, June 20

Chapter 478's annual Open Hangar night will be held Tuesday evening at St. Mary's County airport (2W6). We will meet at 5:30 p.m. at Hangar L4 (see diagram) courtesy of Darryl Crawford. (Note the change of location from previous years.) There will be a barbecue, arranged by John Rinnet. Sid Wood will bring the chapter trailer over, with its supply of tables and chairs. The event will wind up at sundown.

Members who wish to fly in are welcome to do so. The runway and taxiways will be open (they are NOTAMed closed the following day) but the terminal ramp will be cordoned off for the international UAV competition. Parking for those who fly in will be in the usual place, between the University of MD UAS facility and TechPort, marked on the diagram below.

Since I last organized this event, some of the old stalwarts have hung up their headsets and sold their aircraft or moved away and taken their aircraft with them, but we have some additions with interesting new displays, including a beautifully restored 1939 Navy 3N-3 trainer and a RotorX A600 helicopter under construction.

Art Nalls will open his hangar as usual and has indicated they may spin up the spare Allison engine hanging in a cradle from the hangar roof, an annual undertaking just to keep the machine in tune.

Some of those opening their hangars are not yet members of Chapter 478, and this presents an opportunity to introduce them to the group.

Egon Frech

In this edition of Cockpit Chatter

From The Top –First successful Young Eagles Rally this year

Board of Directors Meeting Minutes – 6 June 23

Treasurer Report – Current Status

Young Eagles Corner - June Rally – 67 Young Eagles flown

The Homebuilder's Corner - Challenger II and Zenith 650B Builders Reports

The Flying/Maintenance Corner –

For Sale – Free wire, Free Lycoming engine shipping box

FROM THE TOP

Tom Weiss, President EAA Chapter 478

The weather this year has presented a number of challenges for Young Eagles events, we have cancelled several events this year due to rain and wind. We finally got a large rally in at 2W6 on the 10th and were able to fly 67 Young Eagles. A big thank you to everyone who participated. We had to cancel the VMC and they Mini Young Eagles Rally scheduled for yesterday because the Terminal and the Ramp were occupied by a UAV event. The next YE event will be 1 July at Cambridge, we still need pilots and ground volunteers.

Our annual Open Hangar event will be Tuesday, 20 June. Bring your airplane out or open your hangar to spark conversation. Note the start time is 5:30 PM.

The Chapter is moving forward with planning a Chapter Build and Fly program. If you are not familiar with the Build and Fly program go to the EAA.org site and check it out. The Museum will host this event, we have Chapter volunteers and we have some interest from the local AMA chapter. The Board authorized the purchase of the EAA kit that includes the airframe, electric motor, radios, controller and a simulator. It also authorized the purchase of another airframe so we can have spare parts if needed. Both kits are back ordered for various reasons. This will be a great program, but the planning is critical to ensure it is educational and enjoyable for the Young Eagles. This program probably won't be ready for this summer.

Enjoy the weather, I look forward to seeing you at an upcoming Chapter event.

UPCOMING EVENTS

Open Hangar Night – 20 June
Young Eagles at Cambridge – 1 July

EAA CHAPTER 478 MEETING MINUTES

EAA Chapter 478 Board Meeting Minutes
June 6, 2023

Attendees: Don Byrne, Darryl Crawford, Bill Englehart, Paul Gambacorta, Chris Moody, John Reinert, Greg Stevens, Tom Weiss, Sid Wood, and Bernie Wunder

1. International Young Eagles Day, 10 June at 2W6, send out email and text to get more volunteers.
2. VMC on 17 June. Young Eagles? No YE
3. Open Hangar on 20 June at 2W6 Lima 4, need an email to coordinate the event, get a flyer to Ken Reed for distribution to Hangar renters
4. Motion to buy a tailgate grill from Lowes for \$49 and the adapter for a bigger bottle, motion passed
5. Cambridge Young Eagles 1 July, Planning is well rehearsed
6. July Program – Aaron Rouland on some exciting UAV development and flying experience
7. Current status on the Build and Fly purchases, Backup Kit ordered, but backordered, still need to order the EAA Kit Need AMA POC to order from EAA.
8. August program? Picnic Date? Location? Sep at CRE, Aug Program is OSH review or RV14 build review
9. Scale loan to Ted Klapka, Don't know
10. Need a new Flight Advisor, Posnett to retire

TREASURER'S REPORT

Submitted by Don Byrne

<u>EAA Chapter 478 Financial Report</u> Through 30 May 2023	
Fund	Amount
Petty Cash	\$11.40
Savings	\$439.00
Checking	\$21,550.67
Total	\$22,001.07

YOUNG EAGLES CORNER

Young Eagle Coordinators – Darryl Crawford/Keith King



Young Eagles Flown in 2023

Pilots	3/18	6/10								Other	Total
John Attebury	3										3
Scott Boas											0
Robert Bray											0
Don Byrne											0
Dan Byrnes											0
Richard Byrnes											0
Matt Carruthers											0
Michael D'Errico	2										2
Egon Frech	3										3
Paul Gambacorta											0
Don Gates											0
Robert Lightstone											0
Grant Miller	2										2
Chris Moody											0
John Nelson									1		1
Robert Jake Piercy											0
William Posnett											0
David Rivera											0
Ron Shipee											0
Ronald Surfield											0
Benard Wunder	2										2
Total	12	67	0	1	13						

EAA Chapter 478 Young Eagles Total			
Year	Flights	Year	Flights
1992	6	2012	242
1993	54	2013	79
1994	44	2014	127
1995	79	2015	248
1996	89	2016	206
1997	90	2017	205
1998	47	2018	209
1999	23	2019	112
2000	113	2020	2
2001	94	2021	65
2002	90	2022	269
2003	101	2023	13
2004	66	2024	
2005	138	2025	
2006	97	2026	
2007	122	2027	
2008	51	2028	
2009	113	2029	
2010	156	2030	
2011	187	2031	
Total	1760	Total	1777
Grand Total		3537	

THE HOMEBUILDER'S CORNER

Challenger II Builder Report – June 2023

Submitted by Sid Wood

Building a Quad City Aircraft Challenger II E-LSA 2007 Kit: Installed the fixed Vertical Fin; Installed hinge brackets for the Rudder. Installed the Rudder; had interference at the trailing top edge of the Rudder with the trailing edge of the Vertical Fin. At first I thought the interference was due to fabric, glue and paint build-up at those points. Investigation revealed the total dimension from the top of the Fin to the bottom of the Fin extension should be 11.5 inches. The actual dimension is 12.0 inches. Cutting off the fabric to fix the aluminum tube construction was not a practical approach. Decided to move the hinge brackets on the rudder panel to lower the rudder 0.5 inch. This worked quite well and provided the 0.5 inch clearance as called out in the construction manual. However, the Rudder Stops did not line up with the Rudder Horns. Had to lower the PVC Stops by 1.0 inch. That required design and fabrication of brackets for the new location of the PVC Stops. These have been installed. Painted the two, 2-inch Tail Boom Pipes with gloss Latex Acrylic exterior paint.

Correcting construction mistakes sometimes require lots of time and effort.

Pictures for the above items follow below:



Vertical Fin Interference with the Rudder.



Rudder Clearance restored by moving the Hinges. Just now noticed the selfie in the Stewart Systems gloss paint on the Rudder panel. Thanks again Don.



Rudder Stop Misalignment is caused by moving the Rudder Hinge Brackets up 0.5 inch.



New mounting bracket for the PVC Rudder Stops in place on the newly painted Tail Boom. Note the extra pop rivet below the Rudder Hinge Bracket – just to plug the previous hole.



Rudder Stop with new mounting brackets pop riveted in place using stainless steel rivets shows good alignment with the Rudder Horn. Tail Boom paint needs touch-up.

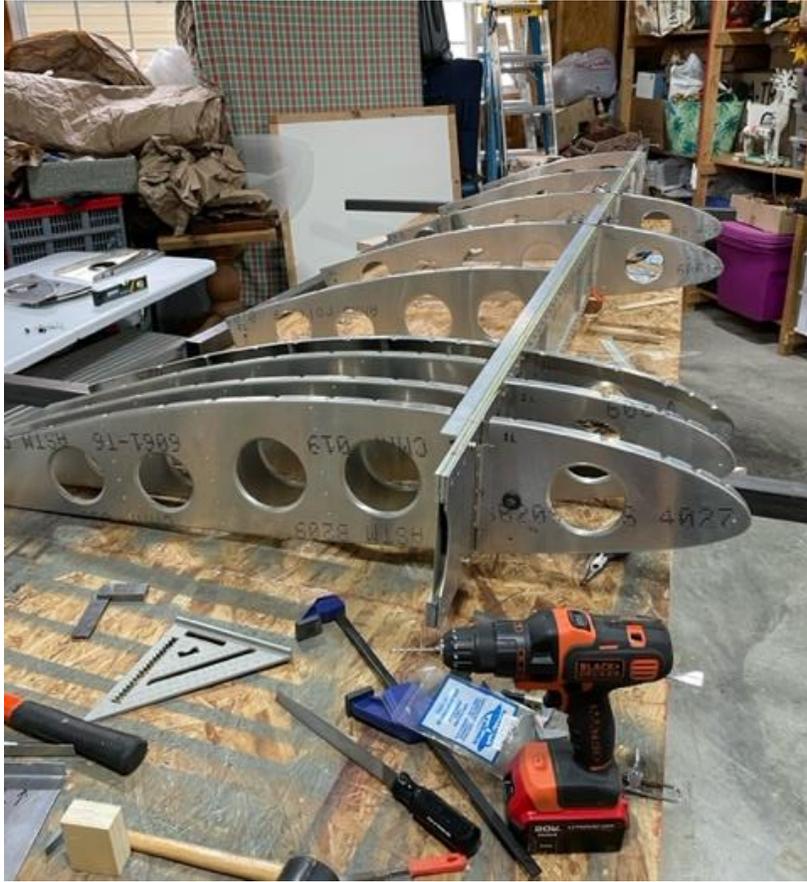
Mind numbing excruciating details are recorded in the [EAA Builders Log Site](#)

Zenith CH650B Builders Report

Submitted by Jim MacWilliams

Couple of photos attached of the left wing progress on my Zenith CH650B. I now have the upper and lower skins clecoed. Next step will be to attach the nose ribs followed by the nose skin.





Sent from my iPhone

THE FLYING/MAINTENANCE CORNER

No Input this month

FOR SALE/FREE

Wire and Velco - Free

I have a large quantity of Hook & Pile (Velcro) fastener material in various widths up to 2", mostly with sticky backing, but there might be some sew on also, I have not looked at all of it.

I also multiple reels of multi-conductor aircraft wiring in various gauges and conductor counts. I have not extensively looked at all of it but I think it is mostly 18 AWG.

All of this is new and was saved from the trash when a contractor was cleaning house. It is available from me, free, in the quantity you need for your project. Contact me at (240) 298-6158 for further information.

Lycoming Engine Crate - Free

My buddy John Schultz asked me to pass the word to our EAA members that he has an empty Lycoming cardboard crate if anyone is planning an engine change. It contained his IO-390 for his RV-14, but it's the same box used for the O-360 engines. Can you email it out to the Chapter or add to the newsletter? His phone # is 703-389-1009.

Attaching a pic of both crate and engine.



