



EAA Chapter 478
COCKPIT CHATTER
Lexington Park, MD October 2021
A Bronze EAA Chapter



EAA Chapter 478 Monthly Gathering
October 19, 2021

Program: Vans RV8 Shop Visit

Host Charles Fox

Social Time 6-6:30 PM

Gathering starts at 6:30 PM

Charles Fox Address:

48038 Post Oak Rd

St. Inigoes, MD, 20684

Directions: South on Rt 5 past St. Mary's College, turn right after the 3rd guard rail on to Waterview Dr., take the next right onto Post Oak Rd, drive straight through cul-de-sac into 48038 driveway

Email cef5psu@gmail.com or txt at 571 213 9417 works best unless your phone number is in my directory, then a call works.

Parking is available in front of garage, barn, in drive and in the cul-de-sac before entering the drive.

In this edition of Cockpit Chatter

From The Top – Fall Flying Season

Board of Directors Meeting Minutes – 5 Oct 21

Treasurer Report – Current Status

Social Committee Report – 2W6 Fly Market,

Young Eagles Corner - 2021 Status,

The Homebuilder's Corner - Challenger Update

The Flying/Maintenance Corner – The Coupe has flown the coop

For Sale –

Update on 2W6 Construction Schedule

Submitted by 2W6 Airport Manager

This is several months old, if anyone has an update, send it to me so I can post it: TAW

Terminal construction: Begins end of June and runs through December. This will close portions of the Terminal, details of the closures are unknown at this time.

Runway 11 threshold work has begun. Please remember to check NOTAMs as we go through Phase II (primarily earthwork) of the Runway extension and Phase III (paving of the extension) expect to be completed in 2022. The runway availability can change from day to day.

FROM THE TOP

Tom Weiss, President EAA Chapter 478

Chapter elections will be held in November. Currently the President and Secretary are willing to serve another term, if anyone would be intertested in either position, let me know before the November Gathering. We also have several seats open for the Board of Directors. The Board is a great way to get involved in the planning of Chapter events, I encourage all of you to consider volunteering to help guide your Chapter for the next 2 years.

The picnic was great! The weather was absolutely perfect and several pilots gave rides. A special thanks to Bernie Wunder for coordinatiing the extra tables and chairs and all of the food. If you missed it, you missed a good time.

Our long term goal is to fly a small group of Young Eagles after VMC meetings, of course this is weather dependent and pilot/volunteer dependent. It will take us a little time to get this figured out. Be on the lookout for more information and invitations from Darryl in the months to come.

The Chapter Offically donated the Curtiss A-1 Triad Replica to the Pax T&E Musuem on October 18, 2011. I can't believe it has been 10 years already!

Let me know if you have suggestions for fly-out locations. Also if you are aware of any Fly-Ins or other avaition events scheduled this Fall that would be a good fly-out events for the Chapter. We should try to support the Williamsburg breakfast on the 2nd Saturday of each month, it is for a good cause.

UPCOMING EVENTS

Oct Gathering 19 Oct
VMC Meeting 20 Nov

Flea (FLY) Market at 2W6 – 20 Nov 21

Submitted by Ken Reed

Note, this was originally posted in Sept, I don't have an update. Contact Ken Reed for more information and an update on the event details.

I am planning to have a Flea (FLY) Market on November 20th that would be open and free to all aviators (whether or not they are based at 2W6) for sales and for the public at large to attend. We would hold the event in the terminal parking area and each person wishing to participate would get 2 parking spaces to display. They bring their own tables and would not be restricted to what they can sell. It does not need to be aviation related. This would be the same day as a Farmers Market in the terminal so the combined attendance should be significant as we would combine the announcements. Food truck will also be on site.

EAA CHAPTER 478 MEETING MINUTES

EAA Chapter 478 Meeting Minutes
October 5, 2021

Attendees: Darryl Crawford, Bill Englehart, Egon Frech, Paul Gambacorta, Chris Moody, Tom Weiss, Sid Wood, and Bernie Wunder

Discussion

1. Chapter Elections – Held in November
 - a. Candidates:
 - i. President – Weiss
 - ii. Secretary – Murray
 - iii. Board of Directors – Wood, Crawford. 2 Open Positions
2. Young Eagles – Mini Rallies, potential for 16 October. Darryl to see if pilots are available. Possible Rally during the Fly Market on 20 November. This would also be a scheduled

VMC day. All Young Eagle Rallies will be held at 2W6, small individual events can be flown out of MD50.

3. Fly-Outs – Breakfast at Williamsburg on 2nd Saturday of each month, fund raiser for Teen Flight Training Program. Don to coordinate the event for 9 Oct.
4. Programs: October is a shop visit to Charles Fox's house to see the progress on his RV8. November is a presentation on Homebuilding that was given at AirVenture. Should advertise this and hold it at the Museum. December will be Christmas Party, details to be defined later.
5. No VMC in October due to schedule conflicts
6. The Terminal building is now useable, but the construction is still taking place away from the Conference Room.

TREASURE'S REPORT

Submitted by Don Byrne

<u>EAA Chapter 478 Financial Report</u>	
Through 30 May 2021	
Fund	Amount
Petty Cash	\$78.01
Savings	\$439.00
Checking	\$22,038.80
Total	\$22,555.81

SOCIAL COMMITTEE CORNER

No Report

YOUNG EAGLES CORNER

Young Eagle Coordinator – Darryl Crawford

I am working on a plan to hold several smaller YE Rallies over the course of the year, stay tuned for more information.

2021 Statistics

Pilot	Young Eagles Flown 2021					Total
	9/23/2021					
Attebury, John	5					5
Bray, Buck	3					3
Byrne, Don	7					7
Cooke, John	4					4
Crawford, Darryl	5					5
Lightstone, Bob	4					4
Moody, Chris	4					4
Nelson, John	4					4
Rivera, David	4					4
Surfield, Ron	4					4
Wunder, Bernie	3					3
Totals	47	0			0	47

Year	Flights	Year	Flights
1992	6	2008	51
1993	54	2009	113
1994	44	2010	156
1995	79	2011	187
1996	89	2012	242
1997	90	2013	79
1998	47	2014	127
1999	23	2015	248
2000	113	2016	206
2001	94	2017	205
2002	90	2018	209
2003	101	2019	112
2004	66	2020	2
2005	138	2021	47
2006	97		
2007	122		
TOTAL	1253	TOTAL	1984
GRAND TOTAL		3237	

THE HOMEBUILDER'S CORNER

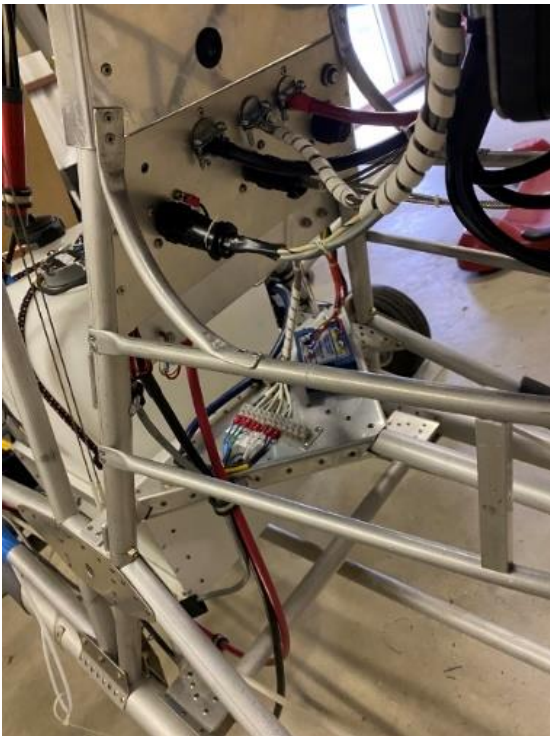
Challenger II Builder's Report

Submitted by Sid Wood



My Challenger II is a used 2007 kit and includes a Rotax 503 two-cycle engine (50 hp) still in the factory shipping crate. Bernie Wunder helped me assemble the partially constructed project in my hangar that Bill Englehart had already done considerable work on.

I found numerous contradictions and over laps in the various factory and blog wiring schematics that had been published between 2007 and 2014. Trying to sort these out just got too hard. So, the engine and cockpit wiring was started all over. The existing 7-strand wire was replaced with better quality



19-strand wire. Battery cables went from 6 AWG to more robust 4 AWG obtained from Battery Cables USA. The 15-amp battery charging circuit 18 AWG wiring was replaced with 14 AWG wire. Extension cable for the EGT and CHT sensors went from 22 AWG to 18 AWG per the factory call-out.

Redundant power wiring for avionics was removed and a simplified safer system installed. The electrical system was established as an electric starter configuration versus a no starter configuration; not a mix of both. The dual electronic ignition engine can still be hand cranked or hand propped; I have no plan to do either of those due to allergic susceptibility to 50 hp blenders.

The 2014 PowerSonic battery still takes and holds a charge. That will work for test and check, but plan to replace before first flight.

The picture shows a mid-way between removing and installing various wires and cables.

The EGT and CHT wiring is complete. Master switch and ignition circuits are done. Firewall wiring is done.

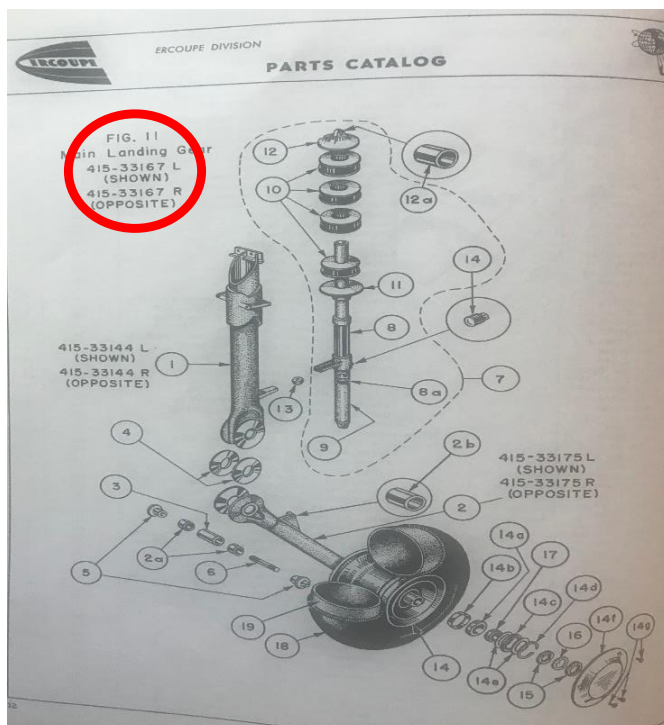
THE FLYING/MAINTENANCE CORNER

My Coupe Flew the Coop

Submitted by Tom Zucal

Sadly, I have to report after 20 years of ownership, my beloved Ercoupe N87329 has been sold. To be more accurate, it was reluctantly sold to my insurance company.

The Ercoupe has a trailing link main landing arrangement. The shock strut is behind the main strut. The shock/spring function is performed by a stack of rubber donuts that are in compression when on the ground (see figure 11 from the Parts Catalog). While doing maintenance



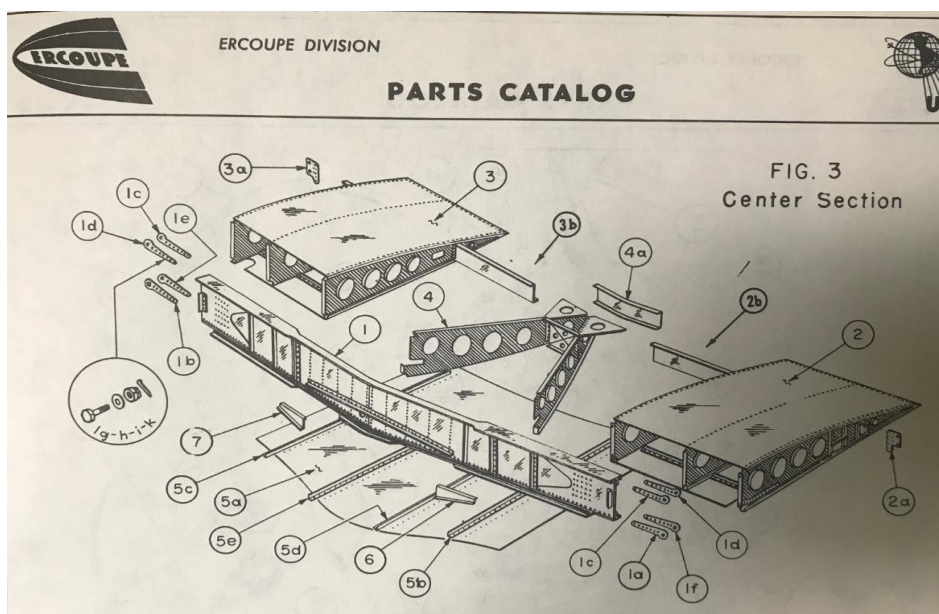
to the main gear shock strut to replace a seal, I had to jack up the airplane and remove the shock strut to perform the seal replacement. I reinstalled the shock strut and lowered the airplane. There was a misalignment of the shock strut and when it was lowered it caught a piece of aluminum and bent it upward. This bent piece of aluminum is part of the Beam Assembly (Ercoupe term for the main wing spar) and the bent piece would require significant work to repair/replace.

After using every curse word known to mankind and even making up a few I took stock of the situation. I consulted with Atkinson and two repair stations in Hagerstown and their opinions were the same that the repair

was going to exceed the value of the airplane.

In retrospect, I hadn't been flying her very much the past few years, the engine TBO was nearing, the wing covers needed a refresh, and I never upgraded to ADSB. I'm not sure what happens to aircraft once the insurance company takes possession, but I'd like to think some enthusiast out there, much younger and wealthier than me can save her from the scrap yard. In any case, I will cherish the times flying Young Eagles, and lazy summer days putting around Southern Maryland farm fields with the windows down.

If there are any lessons to learn, think twice before doing maintenance in a hangar when it's 95 degrees and 95 % humidity. Don't rush maintenance actions and having a second set of eyes around when the plane is on jacks is advisable. Also don't skimp on your insured hull value. The insurance company will total the aircraft if the repair reaches 70 % of the insured value. Thank you to chapter members for offers of help and a sympathetic ear.



FOR SALE

CHAPTER 478 CALENDAR OF EVENTS

Date	Event	Location
JANUARY		
FEBRUARY		
MARCH		
APRIL		
May		
June		
July		
AUGUST		
SEPTEMBER		
OCTOBER		
NOVEMBER		

DECEMBER		

e In the Chocks

Thanks for all of the inputs this month, looking forward to seeing all of you at a Chapter event soon.

Build, Repair and Fly Safe.

Tom Weiss – Editor/President

Cockpit Chatter is published monthly by the Experimental Aircraft Association (EAA) Chapter 478 solely for the dissemination of information and ideas to the membership. Gatherings are held on the Third Tuesday of the month at 7:30 PM in the Patuxent River Test and Evaluation Museum. Membership is \$20.00 per year and requires an active membership in EAA. Any opinions expressed herein are strictly those of the author and do not necessarily reflect the opinions of the chapter or the Experimental Aircraft Association.

Chapter Officers

President: *Tom Weiss 2020-21*

Vice President: Paul Gambacorta 2021-22

Secretary: Gabriel Murray 2020-21

Treasurer: *Don Byrne 2021-22*

Committee Chairs and Chapter Advisors

Social Chairman: *Bernie Wunder*

Membership Chairman: John Cook

Program Coordinator: Paul Gambacorta

Young Eagles: Darryl Crawford/Keith King

Flight Advisors: *Bill Posnett*

Technical Counselors: Sid Wood 2018

Newsletter Editor: *Tom Weiss*

Web Editor: Chris Moody

Tool Crib Committee: Colin Cline/Alan Tolksdorf

Board Members

Sid Wood 2020-21

Darryl Crawford 2020-21

Chris Moody 2021-22

Egon Frech 2020-21

John Nelson 2020-21

Bill Posnett 2020-21

Bill Englehart 2021-22

Chapter Web Address

<https://chapters.eaa.org/EAA478>