

CARB HEAT

Newsletter of the Experimental Aircraft Association Chapter 245
Ottawa (Carp CYRP), Ontario, Canada
Volume 53 No. 4 December 31st, 2023

Next Meeting

Saturday, January 20th, 2024

WHERE: EAA 245 Clubhouse Fireside Lounge starting at 10am (CYRP)

Check your email in-box for a possible ZOOM meeting invitation to be sent by our Chapter President.
(it's not hard at all to join a Zoom meeting – try it, if you're having trouble, contact one of the execs who will help you out). This will be a backup to in person meetings if needed.

Important Chapter News

COVID-19 is still with us and remains a cause for concern with the fall season upon us. However, our Chapter hangar remains open, and meetings may be held in the hangar or upstairs in the club house. Please stay tuned for updated guidance from our President.



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EXECUTIVE ROUNDUP

Editor's Comments

Peter Whittaker – EAA Chapter 245 Newsletter Editor



Hello EAA Chapter 245,

Welcome to the fourth and final quarterly edition of Carb Heat for 2023.

The major event of note is that two of our chapter members have purchased the Chapters' Zenith 750 Cruiser project. The section in Carb Heat that dealt with the Cruiser in past issues and to provide information for prospective buyers, has now been removed. The Presidents message will have more information about the sale.

There were no additions or changes to the Classifieds section so, the items listed remain the same as in the last issue of Carb Heat.

With flying weather deteriorating at this time of year, it is a good time to hunker down on building projects or on restoration and maintenance projects. I will throw in a bit more on my own 750 Cruiser project later in the newsletter and would invite any other members with their own project news to throw that in as well, either for this issue or later ones in the coming year.

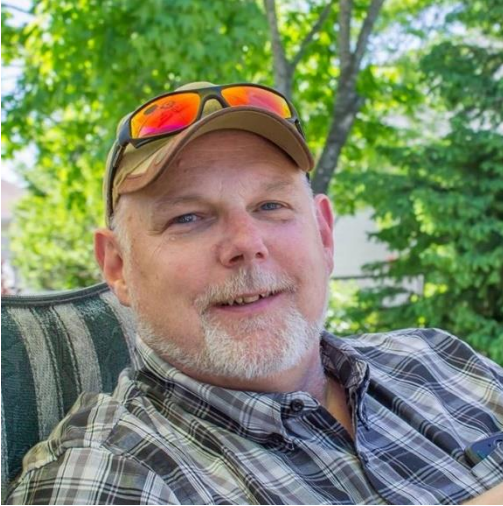
A last-minute addition to Carb Heat came in from Charlie Becker at EAA Headquarters and this pertains to Homebuilders Week coming up in January 2024. The schedule of seminars is included and there are some very interesting and pertinent topics for homebuilding.

Keep on Building, Flying and Remember – always check Carb Heat!

Peter W

President's Message

Mark Richardson – EAA Chapter 245 President



Hey Everyone,

Well, as I write this, there is about a foot of snow outside my window meaning that, for me at least, flying season is over. I managed to get one last flight in a couple of days before the storm and decided that it would probably make sense to put the Maule to bed for the winter. Unusually for me, I was right.

In chapter news, Rob Fleck and Graham Smith have purchased the chapter's Zenith 750 Cruiser. As part of our sales agreement, the Cruiser will remain in the hangar at least for the winter and, possibly, up until next fall. In the meantime, Rob and Graham need to bulldoze some space somewhere to put the Cruiser so they can finish the build.

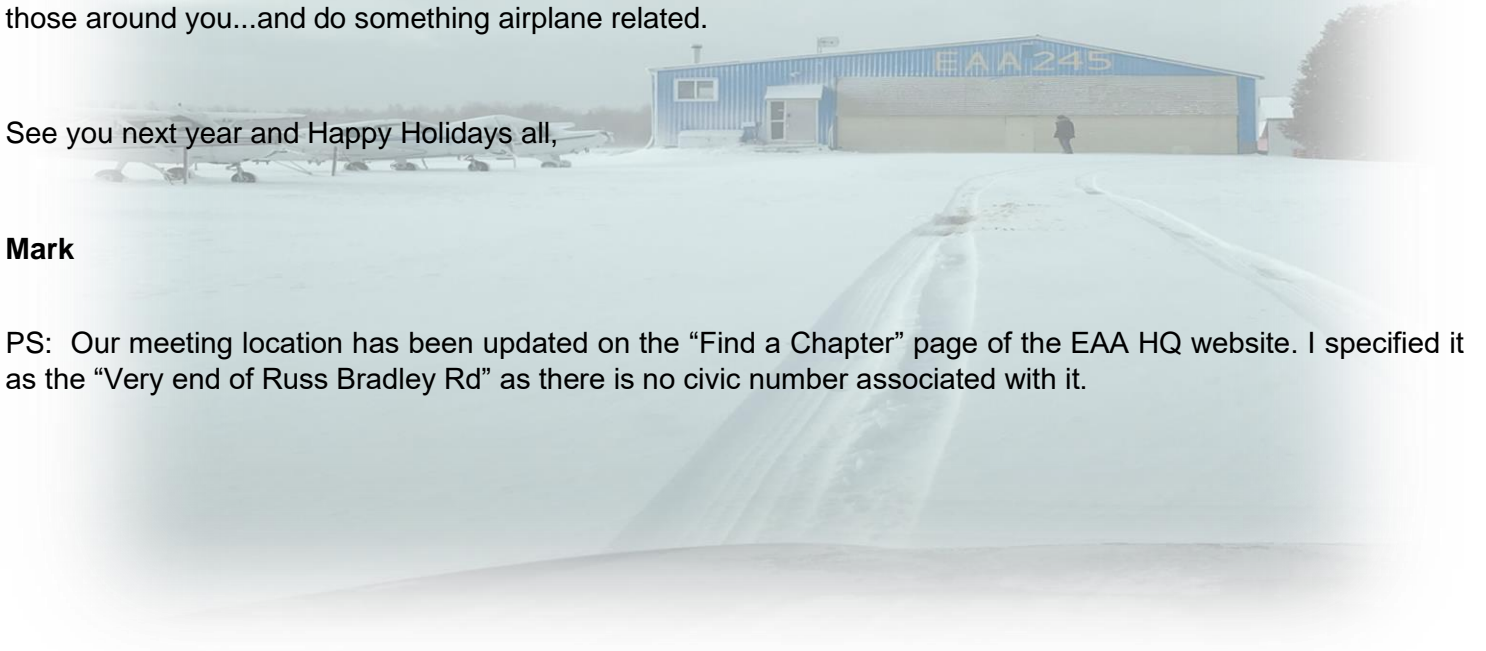
We have been having our chapter meetings in the lounge at the hangar for the last couple of months and, so far, it has been quite good. The biggest problem (if you can call it that) is that the woodstove pumps out a lot of BTUs and it gets quite warm in the lounge. I saw more than one set of eyeballs roll back in their head during Chris' talk last month; I'm SURE the reason was because of the heat. Actually, Chris' presentation on his modelling tool was super interesting, especially for an ex-software nerd like me. But even if you aren't a techie, the capabilities and output of the tool are amazing, and he got a lot of questions from the attendees.

I'm going to sign off for this year now. I hope each of you and your families have a warm, safe, and happy holiday season whatever holiday you are celebrating. Take the time to exit the rat race for at least a few days and enjoy those around you...and do something airplane related.

See you next year and Happy Holidays all,

Mark

PS: Our meeting location has been updated on the "Find a Chapter" page of the EAA HQ website. I specified it as the "Very end of Russ Bradley Rd" as there is no civic number associated with it.



Vice-President

Mark Briggs – EAA Chapter 245 Vice-President

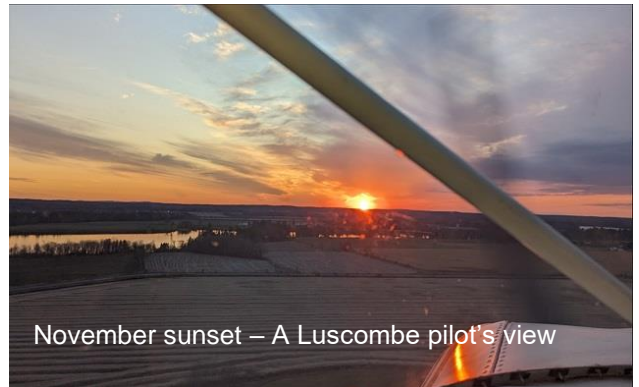


Happy December, Folks!

December... we can complain that winter is here, and we can be bitter about the loss of "flyable" weather. I say, "Bah Humbug to that!"

This autumn has provided some pretty fantastic flying weather, flying weather that persisted right through the end of November. We have been very fortunate

indeed to have been able to fly this late in the year - consider it compensation for the hazy, smoky days of early summer.



November sunset – A Luscombe pilot's view



I count myself very lucky to have experienced a chance outing on December 1st where three 1940's taildraggers arranged quite literally "on the fly" to meet at Pontiac Airpark for some takeoffs and landings and a great chat before blasting off to our home airport. Paul Groulx (J3 Cub), Joel Haas (PA11) and I (Luscombe 8E) had a blast. We won't say which aircraft landed shorter or took off shorter or cruised

faster - none of that really matters when you're just out having fun enjoying the last of the good weather. We were fortunate to have met, at Pontiac, one of the hard-working fellows who tries to stay ahead of the runway flooding caused by beavers. Jean was quite happy to see these vintage taildraggers making good use of this wonderful airstrip.



Earlier this year I was pondering what I would do to continue sharpening my skills as a pilot. The addition of a taildragger to the fleet has certainly achieved that goal. While I'm by no means a good taildragger pilot, I'm at least past the point where I have to repair the pilot's seat cushion upholstery after every landing!

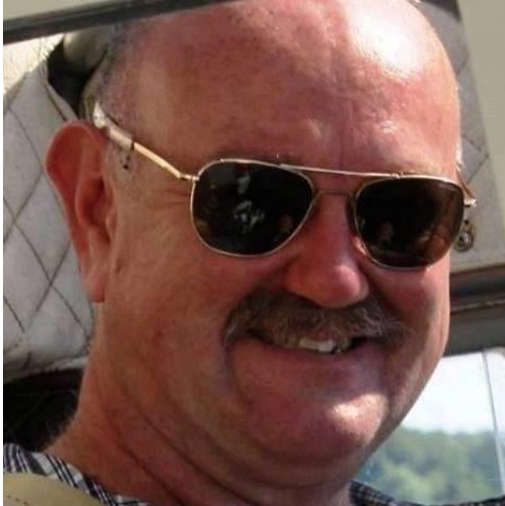
We're all likely seeing the Holiday season coming at us like a juggernaut. Let's hope we can each take a few moments to find a way to cherish the season. I personally will be spending a little time beside the fire with a glass of rum while fondly remembering the terrific flying experiences I've been so blessed to enjoy in 2023 - terrific places visited and even more terrific people with whom I've shared the fellowship of flight.

Here's wishing you all the very best in 2024 - good health and prosperity and lots of VFR flying weather!

Mark

Treasurer and Marketing Manager

Ken Potter – EAA Chapter 245 Treasurer & Marketing Manager



Hello Everyone,

With the year winding down I can report that EAA Chapter 245 is in a healthy financial position. Continuing strong membership numbers ensures that our day-to-day Chapter needs are being met and tiedown revenue assists as well. With the recent sale of the Zenith project, we once again have a financial reserve which makes me, as Treasurer, breathe easier. My best to everyone for a great holiday and a happy new year.

Cheers,
Ken

Secretary

Mark Cianfaglione – EAA Chapter 245 Secretary



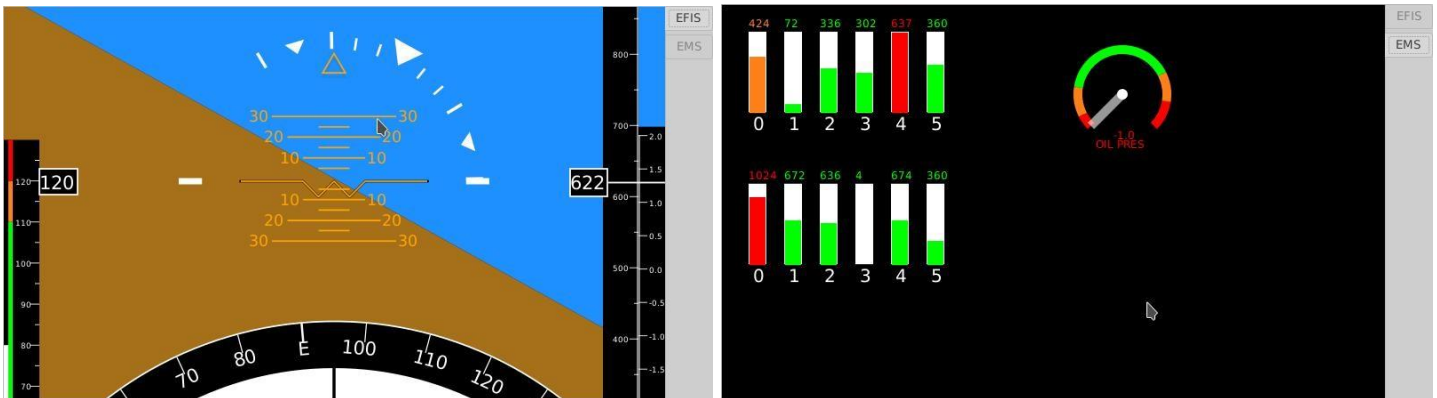
Hello Everyone,

Working on the plane when it's below zero is less fun. Gone are the days when I would be trying to diagnose issues with equipment at -46C. It took me months to warm up after that. (I did hack the control system to work enough that it drove me out of there.)

I'm now trying to decide the next priorities and buy the necessary parts and equipment. Top of the list is exhaust systems. Exhaust systems are like Tetris. You have to get all the pieces in the right order so that they fit and clear the way for you to continue. (As always, I'm making it from scratch).

As well I'm back working on my EFIS while it's too cold to lie on the floor working on the brakes of the aircraft. It's starting to look pretty neat.

It's very neat!



EFIS

EMS

I've been reading a book called "Fate is the Hunter" by Ernest Gann. It's a biography of his flying as a civilian pilot around the time of WW2. It feathers nicely with Mark B's safety points. Some of it is pretty scary. I actually got the title from another book about flying SPADs in the Vietnam war. Both are great reads. Nothing beats reading a good book with your morning coffee.

Mark C.

Operations

Chris Hepburn – EAA Chapter 245 Operations



Hello All,

It seems that it's time to exchange the mower deck for the blower deck on the tractor. (sigh)

We have a winter tenant in the hanger, so please take care moving stuff around the hangar to avoid hangar rash.... It's tight in there.

Remember to please close ***BOTH*** doors leading to the washroom if you have to use the facilities. The little heaters in there cannot heat the whole hangar!

Enjoy flying this winter on those rare sunny days where the winds are not howling at twenty knots!

Chris

PS: A note on locking the gate! The arrangement pictured below does not work for the other lock holders since the other two locks were bypassed.



Membership and Webmaster's Report

Phillip Johnson – EAA Chapter 245 Membership Coordinator & Webmaster



Hello All,

So here we are, a few days before Christmas 2023. I'm down south enjoying the sun and good weather whilst avoiding that nastiness we call winter in Ottawa. Unfortunately, the price I have to pay, is separation from my beloved Cozy MY IV. See below as I pass by President Mark Richardson's airport at Cedar Hills. You can see the video at <https://youtu.be/Gx3-OFX2HtQ>



From the aviation standpoint, 2023 was plagued by problems which kept me from flying up until about August where finally I put all of the troubles back into Pandora's box and I started to fly again. This only lasted for just over a couple of months as I needed to head down South for the winter. Hopefully 2024 will start with minimal distractions from weather and the Cozy.

Anyway, back to the business side of being the membership coordinator, I must remind you all that membership dues are due at the beginning of the calendar year. The good news is that we have not raised the amount for

yet another year so that's \$50 for Associate membership and \$100 for Full membership. Please checkout our website to see the entitlement for each membership class. [Membership \(eaa.org\)](http://Membership(eaa.org)).

The table below shows where we are for the beginning of 2024:

Total Number of New Members	3
Total Number of Full Members Including Tiedown(s)	9
Total Number of full Members with Tiedown.	1
Total Number of Associate Members.	1
Total Number of Life Members	3
Total Number of Young Eagles	6
Total Number of other types of membership.	0
Total Number of Chapter Members.	19
Number of previous year members who have yet to renew	86

So please, everyone, send your monies to treasurer@eaa245.org for your membership renewal.

While we are still in 2023 the Canadian Council is preparing for Airventure 2024, and we will be moving forward with Canadian Camping in a similar vein to that of 2023. Hopefully EAA in Wisconsin will have better inter department communications and the site fiasco will not be repeated. EAA has made it very clear that they want to promote this venture so, keeping our fingers crossed, we will have better organisation for 2024. I will be using Google forms to get the information from all campers rather than the excel spread sheets used last year and several campers did not have Excel and found it difficult to respond accurately.

Phillip Johnson

Young Eagles

Andrew Henry – EAA Chapter 245 Young Eagles Coordinator

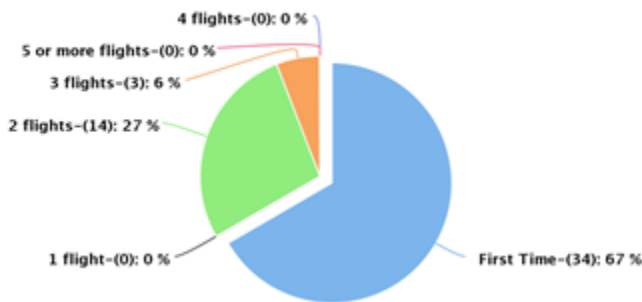


Hello Members,
 Unfortunately, our fall Young Eagles event was cancelled because of strong cross winds in the forecast. It is a bit early yet for any news about the next event which will be in the Spring, details to follow.

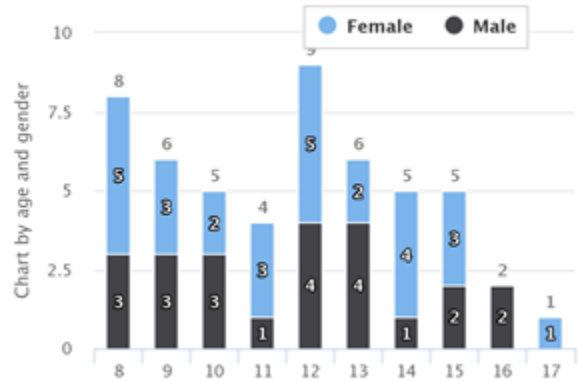
We did have 11 pilots confirmed and 51 registered Young Eagles

The metrics for the planned Young Eagles Day were:

of previous Young Eagles Rally



Registered by age and gender



Thanks, and Happy Flying!

Andrew Henry

Young Eagles Coordinator

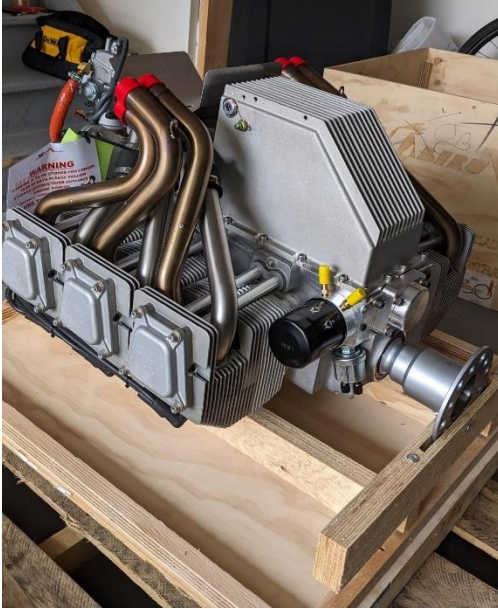
EAA245

Young.eagles@eaa245.org



MEMBER ARTICLES & PROJECTS

750 Cruzer Project – Peter Whittaker



On October 19th a momentous occasion took place in my 750 Cruzer project with delivery of a 4th generation Jabiru 3300A engine. The engine came via Arion Aircraft in North Shelbyville, Tennessee (formerly Jabiru USA) who are the North American representative for Jabiru Australia based in Bundaberg, Queensland. I had a Jabiru 3300 in my scratch built Zenith 601 HDS which I sold in May and that financed the new 3300, thank goodness! I really enjoyed the smooth running of the Jab 3300 in the 601 HDS, it gave no problems at all although, you did have to watch CHT on number 5 cylinder and oil temperature but, all manageable. Arion Aircraft also supplied the fibreglass cowling and engine mount configured for the 750 Cruzer firewall. However, the engine did arrive upside down as pictured (normal shipping configuration)!

The other major event in the project was the pre-cover inspection that took place a few weeks after the engine was delivered. A few snags were detected but, fortunately no show stoppers. This allowed for the main components to be riveted closed with the exception of where continued access is needed during the rest of the building process. Areas such as

fuel tank bays in the wings, underneath the top front fuselage skin for access behind the instrument panel and parts of the empennage will remain unriveted to the very end. The empennage has been trial fitted (photo below) and the wings will go on at the end. At the moment I am contemplating vinyl wrapping as opposed to paint, something else to “Experiment with”.



EAA VMC Club – Mark Briggs



EAA VMC Club

Question of the Month

This Month's Question:

What are the Transport Canada requirements regarding acting as PIC after scuba diving?

This question should be particularly salient for those who might be flying down south for an escape!

Mark

EAA HQ Homebuilder News for 2024 - Charlie Becker

Homebuilders Week – Online Event Starts January 22

An online opportunity to learn about building your own aircraft.

By Charlie Becker, EAA Homebuilt Community Manager

Homebuilders Week is an online opportunity to carry on the founding mission of EAA by sharing as much knowledge and information about building your own aircraft as possible in five days. We start on Monday, January 22nd, 2024, and end on Friday, January 26th, 2024. Each day, we offer six live webinars back-to-back, starting at 11:30 am central time and running every hour and a half until the last session at 7pm central. The sessions are live and allow time for questions. To sign up for the sessions, visit www.EAA.org/HomebuildersWeek

The topics cover a wide variety of areas of interest to anyone curious about building their own aircraft. We try to make sure there is something for everyone, whether you are just considering the idea of building an aircraft, are knee deep in a project or getting ready for test flying. We even have EAA president Jack Pelton lined up on our anniversary date, January 26th, to talk about EAA's Advocacy efforts on behalf of the homebuilt members.

EAA Homebuilders Week coincides with the anniversary of the founding of the Experimental Aircraft Association in 1953. We have come so far since that first EAA meeting. Back then, information on homebuilding was sparse and hard to come by. I know that if our founder, Paul Poberezny, was still with us, he would give us a big thumbs up for this effort to support the homebuilder.

EAA Homebuilders Week is made possible through the generous sponsorships of Aircraft Spruce & Specialty Co., Dynon, and Scheme Designers, Inc.

Visit www.EAA.org/HomebuildersWeek to sign up.



Homebuilders Week Schedule

January 22 - 26, 2024

To sign up: EAA.org/HomebuildersWeek

Time CST	Monday 1/22/24	Tuesday 1/23/24	Wednesday 1/24/24	Thursday 1/25/24	Friday 1/26/24
11:30-12:45	Building an Aircraft: What You Need to Know Charlie Becker	Composite Construction Basics Mark Fors	Amateur-Built Certification Process Joe Norris	Lies, Darned Lies, and Homebuilt Accident Statistics Ron Wanttaja	EAA Advocacy Update: Top Homebuilding Issues and the Impact of MOSAIC Jack J. Pelton, Sean Elliott & Rob Hackman
1:00-2:15	Wiring Basics Dick Koehler	The Nuts and Bolts of Nuts and Bolts Kerry Fores	Building on the Cheap Ron Wanttaja	Lycoming Engine Installation Dave Prizio	Working With Wood 101 John Egan
2:30-3:45	Welding Basics: Gas & TIG Charlie Becker & Tracy Buttles	Fabric Covering Basics Nate Hammond	Buying a Used RV Aircraft Vic Syracuse	Sonex Aircraft and AeroConversions Products Mark Schaible	Zenith Aircraft Kits & Plans Sebastien Heintz & Roger Dubbert
4:00-5:15	Sheet Metal Basics Jim Scott	Factory-Built to Homebuilt: What's the Difference? Tom Charpentier	Advanced Flight Systems Rob Hickman	Garmin Experimental Avionics Solutions Brad Brensing	Scratchbuilding From Plans: 90% Done and 90% to Go! Marty Feehan
5:30-6:45	Panel Planning and Wiring Marc Ausman	Dynon Avionics Michael Schofield	Flight Testing 101 Paul Dye	Propeller Selection for Homebuilts Steve Boser	Latex Paint: A Low-Cost Alternative Malcolm Morrison
7:00-8:15	Rotax 9 Series Installation & Operation Phil Lockwood	Painting Your Plane: DIY or Use an Expert? Craig Barnett & Ken Reese	Engine Break-In Mike Busch	Van's RV Aircraft Kits Greg Hughes	Common Builder & Maintenance Errors Vic Syracuse

Sponsored by



CLASSIFIEDS – Aircraft, Avionics & Parts

Does anyone have anything aviation related to list? Drop me a line at newsletter@eaa245.org or pwhittaker@bell.net to let me know and I will add your treasure to the classifieds listings.

1. From Ken Potter:

For Sale,

1977 Grumman AA5A Cheetah, C-GQIG. Airframe 2717 hr TT, engine 1203 hrs SMO, MoGas STC.

New panel and wiring in 2021 including dual Garmin G5's, JPI 830 engine monitor, Garmin GTX 327 transponder, Garmin GNS 530 WT nav/comm, Garmin SL30 radio and PMA 800B audio panel. Will be sold with a new Kannad Integra 406 ELT and fresh annual.

Asking \$ 80,000 Canadian

Contact Ken Potter 613 791 6267 or email kenpotter@veritasmarine.ca



2. From Mark Richardson (president@eaa245.org):

Take advantage of my impatience/short attention span on these items. I bought these for my Bearhawk build over the last 6-8 years. Some of the stuff I bought was used from guys on the VAF forums and all were working when removed. Other stuff is new. In all cases I bought this with the intention of keeping the cost down with older equipment but then I got distracted by shiny new stuff. SQUIRREL!

Two Garmin GDU 370 EFIS units. Each comes with the mounting ring that is riveted to your panel. No config module or any of the other LRUs. Just the displays. Currently these are going for about \$1500 USD each. \$2,500 CDN for the pair, or \$1,500 CDN each.

One Garmin GTX-23ES remote transponder/ADS-B with mount tray and back plate and Garmin connector. Used. New at Aircraft Spruce \$3,380 CDN. Asking \$1,500 CDN.

One Garmin SL-40 Comm with mounting tray. Used. Currently going for around \$1,300 USD. Asking \$1,000 CDN.

One INS-429 nav radio from VAL Avionics. Used.

- VOR, Localizer, Glide Slope and Marker receivers.
- Active and standby frequency with flip-flop.
- Milled billet aluminum construction.
- Digital OBS with push-button auto-radial centering and 180-degree reciprocal.

Comes with a custom harness from the RV-6 it came out of. New at Aircraft Spruce it is \$2,900 CDN. You can have it for \$750 CDN.

One pair of Aero-Lites PAR36 landing/taxi lights. New, in box. From Aero-Lites they are about \$280 USD. Asking \$200 CDN.

One RAM AV-569 DME antenna (bought to go with the INS-429 above). New in box. Currently \$265 CDN at Aircraft Spruce. Asking \$175 CDN.

One 2.5" Saber prop extension kit with the AN7-82 bolt kit (6). New, unused, in box. Vans wants \$725 USD for this set. You can have this one for \$600 CDN.

Pro-tip: don't buy your avionics (or any other expensive thingies) until the last possible moment. Now you know why.

3. From Irving Slone: Garmin GPS 3 Pilot with antenna and power cables. Power cable plugs into a cigarette lighter socket. Any reasonable offer considered. Contact Irving Slone if interested and for further details at islone@regionalgroup.com .

4. From Andre Beauchamp (contact at beauchamp701@gmail.com for prices):
Adel clamps



Flush Mount Hartwell H-5000 Latches



WHO WE ARE - Website: <https://chapters.eaa.org/EAA245>

Experimental Aircraft Association Chapter 245 Ottawa. We are a group of Amateur Aircraft Builders, Owners, and Enthusiasts with a hangar, lounge and workshop facility located at the Carp Airport (CYRP & 122.8), just west of Ottawa.

President: Mark Richardson- 613-983-7764 president@eaa245.org

Vice President: Mark Briggs - vice.president@eaa245.org

Treasurer / Marketing Manager: Ken Potter - 613-259-3242 treasurer@eaa245.org

Secretary: Mark Cianfaglione - 613-600-4501 secretary@eaa245.org

Operations: Chris Hepburn - ops@eaa245.org

Membership Coordinator: Phillip Johnson - 613-790-4929 membership@eaa245.org

Webmaster: Phillip Johnson – webmaster@eaa245.org

Newsletter Editor: Peter Whittaker – 778-919-4661 newsletter@eaa245.org

Technical Information Officer: Phillip Johnson – membership@eaa245.org

Young Eagles Coordinator: Andrew Henry - young.eagles@eaa245.org

Hangar Group Liaison: Bill Reed - 613-858-7333 Bill@ncf.ca

Past President: Phillip Johnson – 613-790-4929 membership@eaa245.org

Membership Application and Renewal Form



We have a “Google Group” for the EAA Chapter. If you are not familiar with Google Groups, it is a service from Google that provides discussion groups for people sharing common interests. If you would prefer NOT to be a member of the group, please tick the box in the membership application form when you renew your membership.

Application Date: _____

New: Renewal:

Name: _____

Street: _____

City/Town: _____

Province: _____

Post Code: _____

Email Address: _____

Home Phone: () _____

Mobile Phone: () _____

EAA Number: _____

EAA Expiry Date: _____

I do **NOT** wish to be part of the
EAA Google Group

Annual Dues: run from
January 1st to December 31st.

Associate Member: \$50

Full Member: \$100*

- Newsletter, hangar, workshop, tie-downs.

Note 1: Members must also be members of EAA’s parent body.

Note 2: On-Line E-Transfers to
Treasurer@eaa245.org are the preferred method of payment.

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