



Carb Heat

June 2013

EAA 245 NEWSLETTER Vol 43 No. 6
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Contents

Editor's Comments	Page 1
President's Message	Page 2
Cleanup Day	Page 5
Meeting Schedule	Page 6
Exhaust 30/20 years ago	Page 7
Gadget Corner	Page 8
Fly-Out Possibilities	Page 10
For Sale	Page 11
Chapter Executive	Page 12
Membership Form	Page 12

Next Meeting: Saturday June 15 at 10:00 AM
Carp Hangar

Presentation:
Aircraft Glass Panel Comparisons
by several builders and flyers

Editor's Comments



This month as usual, Cary Beazley presents the President's Message.

He is also including a collection of pictures from the events described.

Bo Turpin wrote a short article on Cleanup Day.

Wayne Griese brings us a historical look at Carb Heat.

Alfio Ferrara continues his Gadget Corner, with a follow up on fuel problems and an article on his new gadget.

There are plenty of listings for flyout possibilities. And check the For Sale section where there are great opportunities listed.

We need more stories and information to pass on to our readers. If you go to fly-ins, take notes, pictures and write a short article so others find out what they missed.

Yvon Mayo

President's Message by Cary Beazley



Unfortunately, the Smiths Falls Flying Club breakfast had questionable weather again this year and numbers were down. It



was not a bad day, just not great flyin weather. Darned weather gods couldn't decide what to do.

Unfortunately, scud was low so there weren't too many planes on the infield, although one did taxi from the new hangars so it didn't look quite as lonely.



A number of 245 folks enjoyed breakfast together and headed over to the clubhouse to visit the SFFC museum.



I caught a picture of Charlie Martel filling up the red RV from a distance, although I didn't get a chance to talk to Gwen or Charlie. Some 245ers took the opportunity

to check up on Phil Johnson's Kinda Cozy Mark IV and Ritz Bartoli's Lancair 235 projects. Phil's Cozy is threatening to fly soon.



Photos on this page by Cary Beazley

Sun'n'Fun review – Victor Thompson

Vic shared his humorous Sun'n'Fun adventure with us including a cast of local characters Ron Johnstone, Bill Reed, and the Mike O'Leary clan down in Florida.

He showed lots of pics from the light stuff area, helos, lots of amphibs of all shapes and sizes, gyrocopters galore from lawn chair versions to a number of sleek newer models, the splash-in museum and some of the Kermit Weeks Fantasy of Flight collection.

I think Vic really liked the Can-am Twin-rotax amphibian – it sounds like it climbed like stink in the climb competition.

And best of all, there were no hurricanes this year!

He also shared some pictures of the recent Renfrew builders visit last month.

A number of the Renfrew builders visit pics in last month's newsletter were actually Vic's that I forwarded without proper ID (no, I did not take EXACTLY the same pic ;) sorry about that.



Photo credit: Cary Beazley

Thanks Again Vic

**Chapter Maintenance Day
June 1st**

We knocked off a fair bit of the list this year.

Phil Johnson rejuvenated the hangar door with the pressure washer facelift and it looks 30 years younger! It was a good test for the new water pump too.

Martin did some minor shingle roof repairs.

A lot of folks worked to trim and remove a number of shrubs / trees that were past a little unruly. It will make grass cutting easier and make room if we have to put some tie-downs next to the Chapter building.

We did several runs to the dump with trees and other collectables, some minor painting, rib building prep, window and shed maintenance.

A years worth of cans took a ride on the maiden voyage of the Club's pop-can trailer.



Photo credit: Cary Beazley

Photo credit: Cary Beazley





Photo credit: Cary Beazley

We did a lot of grass cutting, so much that the lawn mowers were tired at the end of the day.

André Beauchamp also arrived later in the morning to re-assemble his Zenith in the hangar with lots of witnesses and probably too many hands to distract.

Thanks to everyone who came out and helped – Ken Potter, Lars Eif, Jeff Whaley, John Montgomery, Bo Turpin, Martin Poettcker, Irving Sloan, Ed Atrghji, Curtis Hillier, Mark Briggs, Steve Harrington, Brent Pillion, Rod Newfeld, Hugh Thayer, Michel Tondreau, André Beauchamp.

This was followed by Bo's BBQ Special.

Thanks Everyone, I apologize if I've missed anyone.

Canada Day July 1st at the CASM

If anyone is interested in flying in or leaving a plane as a static display we can arrange for the aircraft security or roped off. This comes with a free lunch.

It looks like we will be doing hands on rib building and sheet metal work with the kids; drop on by.

Young Eagles Day June 15th

Young Eagles Day is shaping up fast.

Note that it is taking place after our June meeting this year.

Feel free to stick around and help out after the meeting

SAM Aircraft

There is lots going on at SAM aircraft and lots of updates since their first flight:

www.sam-aircraft.com

They were at Sun'n'Fun and will be at Oshkosh later this summer.

Sam Aircraft has created an Indiegogo.com page to raise additional funds and find additional investor/ partner/ buyers to support or participate in the project:

<http://www.indiegogo.com/projects/sam-aircraft>

We hope to see them doing the rounds at the fly-ins this summer.

Around the Patch

I heard a number of people were participating in the Inter-provincial tour.

I heard that Laurent Ruel dropped by recently, too bad I missed him.

Ed Lake and Mike Sacoutis' starling bird house (aircraft) colony grew in numbers again this year. I heard Bill's Reed's flowery duct tape repelled some stowaway's this year.

WCD Updates

We have received word that WCD has a new investor-owner and they plan to begin construction on the residential development in the spring 2014.

We also received a note from Ray Kucharik announcing his retirement June 21 and Jim McDermott will be taking over as airport manager.

We look forward to renewed growth to secure the future of the airport.

As many of you have heard in the meetings, the EAA may need to abandon the aircraft tie-downs after many years. Discussions with WCD are ongoing. More updates later.

EAA Club Stuff

If you have any ideas for additional tool purchases that are hard to justify as an individual, let us know. PS – the new prop balancer and Phil Johnson are getting lonely.

See you out there.

Cary

Clean Up Day by Bo Turpin

The annual chapter cleanup day went well this year. The weather intimidated and blustered but ultimately favoured our cumulative efforts and held back on the rain. Martin was likely the happiest about that as he spent a good portion of the morning applying sealant to the roof! Other activities included, but aren't limited to:



Photo credit: Bo Turpin

you will come out in the wash.

-tin cans off for recycling: Curtis and Lars spearheaded this endeavor. I heard someone say that there was 500-550lbs of cans, wow. Great job to all who worked on the 'tin can' trailer too! It worked like a charm.

-grass cutting: I spent 2 hours cutting the grass, on the day preceding cleanup day, as I wasn't sure I was going to be available the day of. With the

assistance of John Montgomery and a few other helpful hands we managed to finish the tie down area and the bit in front of the group Fleet Canuck. Mark Briggs and his gas powered weed whacker lovingly applied the finishing touches.



Photo credit: Bo Turpin

-general cleanup of the hangar; thanks Ken for hauling off all the bits and pieces that have been sitting around for so long. I'm happy to see the old water pump and holding tank are now gone as well.

-The hangar door received a good scrub down via pressure washer. Thanks to Phil Johnson for getting 'up close and personal' with his task. Phil - I'm fairly certain that most of the grime that landed on



Photo credit: Bo Turpin

-BBQ: many thanks to Cary for supplying the ham/chicken burgers with all the fixin's! There were many a hungry man by mornings end! I manned the BBQ; though I must apologize for any upset tummies anyone may have had.

In total there were approximately 20 people that turned out for cleanup day so it isn't practical to name everyone who helped out. You know who you are and your efforts are appreciated. It was a jovial day full of camaraderie and I for one look forward to more events of this ilk.

Regards,
Bo Turpin



Upcoming 2013 Chapter Events

15 June	Yound Eagles Fly day
01 July	Canada Day at the Canadian Aviation and Space Museum
11 August	Open House Day at the Carp Chapter

Meeting Schedule

15 June 2013 10AM	Subject: Aircraft Glass Panel comparisons - presentations with aircraft on site for a show and tell. Several presenters will be there. Location: Carp Chapter Hangar
20 July 2013, 11AM	Helicopter Transport Services Canada 11am Tour down Bravo taxiway followed by a BBQ
August 2013	No meeting
19 September 2013	Makerplane - John Nicol Location Change: back to the museum
17 October 2013	Spl'Oshkosh review followed by Elections

EXHAUST – from the Carb Heat Archives



**35 YEARS AGO
June 1978**

In the Newsletter Archives we have a report from the June 16th, 1978 meeting of EAA Chapter 245. It was held at the War Museum and 58 people were in attendance. President was Eric Taada, Vice President – Frank Cianfaglione, Secretary – Jim Butler, Treasurer – Joseph Marc Bastien, Newsletter – Bill Landry.

Members were reminded that Charles Lindbergh visited Ottawa on July 2, 1927. To commemorate this event, 51 years later, the Spirit of St. Louis replica was in Ottawa (at Uplands) July 1-3. There was a formal reception at the Ottawa

Flying Club on Sunday, July 2, 1978.

Guest Speaker at the June 1978 meeting was Murray Forbes, Officer-in-Charge, Ottawa Weather Office. We learned that there were no forecasters in Ottawa; forecasting for this area was done by the Montreal Office, and was based primarily on computer-generated data collected by the Toronto and Montreal offices.

In addition at this meeting, two very exciting movies were shown: “The Dynamic F-16” by General Dynamics and “Flying is Vaie-Eze” with Burt Rutan.

**20 YEARS AGO,
June 1993**

In June of 1993 the members of EAA Chapter 245 had a visit to the NRC Structures Lab. It was well attended and host Mr. Dave Simpson gave the tour. “The lab tests aircraft and components to destruction and shares the data or prepares reports which are commissioned by government or

private enterprise.” wrote Luc Martin in Carb Heat.

Some of the area visited included the structures lab where a Tutor Jet was being tested to destruction. This was done via a special jig which loaded the surfaces of the aircraft. Skins could be seen buckling and twisting. The tests were carried out to determine the real life span of an airframe. The results were used to effect preventive maintenance and ensure a better lifespan for the airframe. Also visited was the materials lab where composites, glues and carbon fibre samples were tested to destruction or submitted to artificial aging to determine the effects of time and weather on the material. Luc reported the visit was much appreciated by all in attendance.

wayner@igs.net

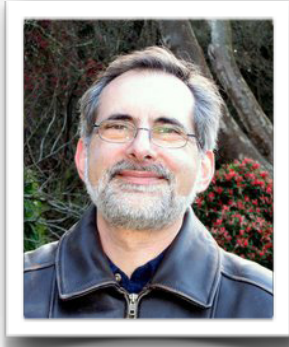
Wayne Griese

ERRATA - Young Eagles Event

Young Eagles event is on Saturday June 15, from noon onwards. (we had erroneously printed that it was June 16 in last month's Carb Heat). Please contact young.eagles@eaa245.org if you wish to volunteer (still some positions open), or have children from years 7 to 17 that wish to register. The event is RSVP only.

Gadget Corner

by Alfio Ferrara



FUEL ISSUES

As I related to you last month, I had what seemed to be a fuel related issue as we were taking off from runway 10 at Carp. I have investigated the fuel system as well as performing an annual inspection of the aircraft.

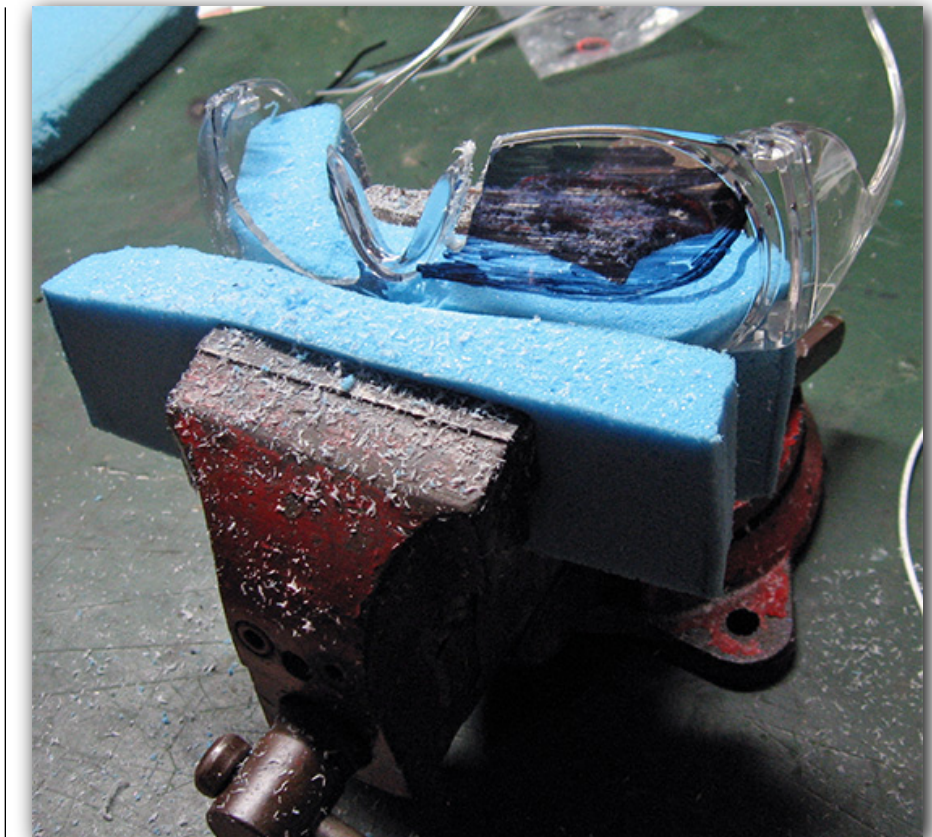
So far the annual inspection has revealed a loose fuel fitting at the gascolator. This is the 90-degree NPT to hose adapter fitting housed in the cockpit side of the gascolator. I could see fuel stains (actually lead residue) around the area. This fitting cannot be easily checked, since it is mounted to a hard-line fuel line to the auxiliary fuel pump. All screens are clean as a whistle... so far so good.

While fuel is not a primary cause, it may have been a contributor, exacerbating the issue. We will be performing more inspections and flight tests to confirm resolution of the issue. For the moment, we will continue using 100LL.

DIY FOGGLES

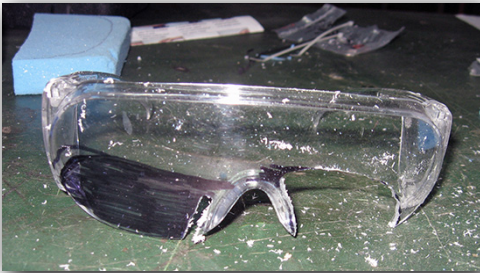
This gadget of the month... how about some Do-It-Yourself (DIY) IFR goggles, foggles, shades, whatever you want to call them. There are so many commercially made units out there on the market, however if you wear prescription glasses then you are quite limited in your choice.

I had a set of work safety glasses lying around, and they were somewhat scratched that I could use another pair. You can get a pair from Home Depot or Princess Auto for a few bucks. How about experimenting with them to turn them into IFR foggles? It turned out to be quick and easy actually, and the results are surprisingly good. Maybe they will even make a fashion statement.



I've taken some photos and am providing some step-by-step descriptions here:

First you need to get in the cockpit and settle in as you would for a flight. Place the goggles on your nose and start marking the lenses with a Sharpie or other permanent marker for what field of view you would like to retain.

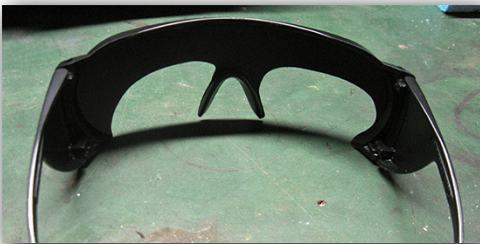


This photo shows the goggles marked up (I had already started using a rotary cutting tool to cut out an opening)

Using a vise and soft foam I clamped the glasses.

A rotary cutting tool comes in handy to make the cutouts. Keep the nosepiece attached to the glasses. A sanding drum will finish off the cutting job quite nicely.

Scuff up the remaining plastic with sandpaper and paint the glasses with flat black paint, well... just about any paint will do. I used a spray can of satin black Marhyde paint I had laying around.



Looks kinda goofy, but remember that these are custom made to your panel and your face. You won't be able to easily share them with a friend. The outside view of the cockpit is nicely blocked, and you can see your whole instrument panel since your cutouts custom.

Here's the product in use. Actually, they're very comfortable even over my prescription glasses, and they seem to work well even with my headsets. I may even wear them at the next Halloween party.

An alternative solution, and maybe even a better one is to find some flip up sun glasses (\$10 to \$20 at a Wal-Mart or discount store) that clip on to your prescription lenses. If you substitute those for the safety glasses in the description above, you will enjoy the additional benefit from having a device that flips up easily when going to visual after an IFR session, and back again quickly. I have not yet found a pair of flip up sunglasses that attach solidly enough to my prescription glasses.

That's it for this month. Tailwinds to you.

Alfio



All photographs by Alfio Ferrara

Fly-Out Possibilities

Most Items Taken from the COPA Website

June 15, Lindsay, ON (CNF4): COPA Flight 101. Annual "Kawartha Klassics" Aircraft and Vintage Car Show. Don't miss this incredible opportunity for all Southern Ontario pilots to take in the Annual "Kawartha Klassics" Show at the Kawartha Lakes Municipal Airport. Classic aircraft static displays and hundreds of vintage cars; card lock avgas available and no landing fee. Airport location: 3187 Highway 35. For more information visit the KLMA website at www.klma.ca, Flying Club tab.

June 15, Pembroke, Ontario (CYTA): In celebration of our 45th anniversary join us for a BBQ and fly-in as part of an aviation and community summer celebration. BBQ from 11:00 a.m. until 1:00 p.m. (\$5). Shuttle to Civic Centre Days events. Spend the afternoon or stay overnight. For more information, visit our website at www.flycyta.ca, or 613-687-5300, info@flycyta.ca

June 16, Cornwall, ON (CYCC): COPA Flight 59, Annual Father's Day Fly-in Breakfast from 8:00am until noon. Best breakfast in Eastern Ontario. Static displays, Vintage Cars. For more information, please contact Barry Franklin E-mail at barry.franklin@sympatico.ca

June 16, Picton, ON (CNT7): COPA Flight 53 Annual Father's Day Fly-In Breakfast. This year the Prince Edward Flying Club celebrates 60yrs since it's founding in 1953. The airport owners have been very busy restoring many of the original buildings of the British Commonwealth Air Training Plan at Picton. Always a favorite destination for Eastern Ontario pilots, great breakfast and site tours. The most intact B.C.A.T.P. base in Canada. Co-ordinates airport N43 59 21 W77 08 21, Unicom 123.2. For more information, please contact Terry Clifton 613-476-9083 or terry.clifton123@gmail.com

June 29, Stanstead, QC (CTQ2): Square Dance Fly-In. They say "if you build it they will come.". So I built a really nice rustic dance hall at CTQ2, so now it's your turn to come. An all day event with an advanced dance workshop beginning at 10:00 a.m. Check out CTQ2.ORG and find dance flyer among other stuff we do on Weller Farm.

June 29-30, Sherbrooke, QC (CYSC): Les Faucheurs de Marguerites, COPA Flight 37 is proud to invite all COPA members and the aviation community to its annual fly-in. No air show and no aerobatics! Menu: A lot of aircraft of all kinds, fly market, static displays, workshops, (metal, composite, weight & balance), exciting conferences/seminars, homebuilt/ aircraft restoration contest, commercial exhibit, aircraft manufacturers, aircraft

clubs, Saturday night special super followed by a dancing party, restaurant on site. A lot of fun! For more information, please contact Real Paquette 819-878-3998 or lesfaucheurs@hotmail.com or visit our website at www.lesfaucheurs.com

July 1, Ottawa, ON:The Rockcliffe Flying Club will host its Annual Fly-In Breakfast from 7:30 a.m. until 11:00 a.m. \$6 per person. Sightseeing flights in a Cessna 172 will be available from 9:30 a.m. until 4:30 p.m. based at the Canadian Aviation and Space Museum, \$35/per person. For more information, please contact Brenda Reid at Brenda@rfc.ca or 613-746-4425.

July 6, Kingston, ON: Kingston Flying Club Fly-In BBQ from 10:00 a.m. until 2:00 p.m. Plan to stay the weekend. A must see is the Fort Henry Sunset Ceremony. Take a 1000 Island boat cruise. kingstonflyingclub@kingstonflyingclub.com

July 7, Bancroft, ON (CNW3): COPA Flight 119, Annual Fly-in Breakfast from 08:00 until noon. Celebrating the 50th Anniversary of the Bancroft Airport. In association with the Town of Bancroft's annual Water, Wheels and Wings weekend. Festivities in town all weekend. Static Displays, Vintage Cars. Jet A and 100LL available by credit card. No landing or tie down fees. For more information, please contact Gary Gaudreau Email at gary@abs.aero.

Fly-Out Possibilities - continued

July 14, Kars, ON (CPL3):

Kars'n'Planes Summer Fly-In BBQ. All day event - food served 11:00 a.m. to 2:00 p.m. Featuring Homebuilt, Classic and Antique Aircraft, Vintage Cars, Swords and Plowshares Military Museum, RVSS Glider Rides Everyone Welcome - Fly, Drive or Boat in. Co-ordinates for this event are Dilworth Road just East of

Highway 416, (N 45 06 W 75 38). RAA Chapter 4928. Rain or shine. For more information, please contact Vic Thompson at 613-269-7952 or victorthompson14@gmail.com

July 21, Iroquois, ON (CNP7):

The Iroquois Flying Club's 47th Annual Fly-In Breakfast beside the beautiful St. Lawrence 8:00 a.m. to 11:30 a.m. For more information, please phone 613-657-1646 and on July 15 call 613- 249-0023.

For Sale or Rent

Place your ads by phone with Yvon Mayo 613-830-1935 or e-mail to yvonmayo@rogers.com or aaa245@gmail.com. The deadline is two weeks before the next meeting. The ads will run for three months. You may request a two-month extension. Please let me know if any of the articles have been sold.

FOR SALE

RV9/9A project for sale. Tail and wing kit complete with extras. Tail done with MDRA inspection and sign off. Wing kit - right wing to quickbuild stage, left wing still in clecos. All small parts sorted in labeled bins included. All logs, docs and plans included. Pics avail. \$6,000. email holbrog at gmail.com or phone Greg Holbrook at 613-487-2374.

FOR SALE

The Canuck Group at EAA 245 in Carp has **shares in the 1946 Fleet Canuck CF-DPZ** for sale. The aircraft has 1250 hrs TTSN engine and airframe since being built in 1946 and has always been hangered. Price, \$ 6,800 per 1/5th share. Own a Canadian classic. Please call Ken Potter at 613 259-3242 or email at: kjpotter@sympatico.ca

FOR SALE

Bilmar 2003 **Amphib floats** 1850 kevlar, fiberglass composite with rigging, electric hydraulic, hatches, rigging, dual water rudders, emergency back up pump.

Must sell, Contact Paul Sicard

Tel: 613-487-2614

Cell: 613-884-9575

lise.sicard@xplornet.com

FOR RENT

Chapter 245 members can **rent a tiedown** near the EAA 245 hangar at Carp Airport. You can rent the tiedowns by the month or for the full year. Call Curtis Hillier 613 831-6352

FOR SALE

1986 Rutan LONG EZ FOR SALE: \$36,000

470 Hrs airframe. Engine: Lycoming 0-235 L2C 2430 hrs TT.(with original logs). 5.0 hrs since Top overhaul & other new parts: Impulse Mag , Vacuum pump, Starter & alternator. Avionics: Xpndr Collins TDR-950, Garmin 296 GPS, Kannad 406-AF ELT, ICOM A5 Radio, Flightcom 403mc Intercom. Hangered at CYRP. Extra prop (Silver Bullet). Andrew 613-836-3968, cell 613-295 7451 andrewr@magma.ca Currently in flying condition. Last annual Nov 2011. For specs see http://en.wikipedia.org/wiki/Rutan_Long-EZ

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@the Carp Airport, just west of Ottawa.

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EAA 245 Website:	http://eaa245.org/	and	http://www.245.eeachapter.org/



**Experimental Aircraft Association
Chapter 245**

Make cheque payable to:
EAA Chapter 245 (Ottawa)
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300 Eagleson Road
Kanata, Ontario,
Canada, K2M 2C3

Membership Application

New: ___ Renewal: ___
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Aviation Affiliations:
EAA Number _____ EXP Date: ____/____/____
COPA: _____ RAA: _____ UPAC: _____
OTHER: _____

Annual Dues: January 1st to December 31st.
(prorated after March 31st for new members / subscribers).

Newsletter Subscriber: _____ \$35.00
Newsletter only

Associate Member: _____ \$35.00*
Newsletter plus Chapter facilities

Full Member: _____ **\$70.00***
Newsletter, hangar, workshop, tiedowns.
(Note: there is a one time \$200 initiation fee when you become a Full Member

*Note Associate and full members must also be members of EAA's parent body in Oshkosh WI, USA