



FLYPAPER

EAA Chapter 18, Milwaukee, WI

Year 53, April 2014

<http://eaachapter18.org>

HEADLINES!

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Don't miss April's Chapter Meeting

This month's program is an exciting story about an around the world flight. Meeting starts at 7:30 PM this Tuesday April 22nd.

EAA Welcomes Full B-17 Crew for Special Flight

EAA's Boeing B-17G Aluminum Overcast has made many memorable flights throughout the country, but one would be hard-pressed to



B-17-Vets - Ten World War II United States Army Air Corps veterans representing all 10 Flying Fortress crew positions were given a special flight in EAA's Aluminum Overcast April 14 Photo credit: Jason Toney

come up with one more special than what occurred on Monday afternoon, April 14, in Oshkosh. Ten World War II United States Army Air Corps veterans - representing all 10 Flying Fortress crew positions from pilot to tailgunner - were brought here to be reunited with the aircraft in which they helped to preserve liberty and freedom. All from Wisconsin, they ranged from age 90 to 94, and brought family members with them.

The special event was the brainchild of Chris Henry, who works in the EAA membership services department focusing mainly on EAA's annual B-17 tour. He called it a once in a lifetime occurrence. "A plane that was built for war has brought these veterans and families together for such a special occasion," he said. "It's very gratifying to be able to help make this happen."

The veterans and their family members arrived Monday morning at the EAA AirVenture Museum lobby on a day that at first appeared unfit for

flight following an overnight spring snowstorm. They were given a police escort to EAA's Weeks Hangar located on Wittman Regional Airport. Several vintage army vehicles from the Military Veterans Museum and Education Center in Oshkosh also helped pave the way.

Read the rest of the story at <http://www.eaa.org>

Where Are They Now?

As you may recall, Aaron was a recipient of Bill Bateman Scholarship funding from Chapter 18 back in July of 2009.

To all Gran-Aire students, renters, and friends;

From Dan Gerard,

We are excited to announce a new full-time CFI at Gran-Aire. Aaron Fiss has been a pilot since 2009, earning his Associates Degree in aviation from Fox Valley Technical College in Oshkosh. He recently completed his Certified Flight Instructor training at Gran-Aire, coming full circle after taking his introductory flight lesson in 2003 with Craig Larson. He began his private pilot training with former CFI Mike Taylor before transferring to Fox Valley Tech. His passion for aviation has grown from when he was just a little boy to what is now the beginning of his career in aviation. Aaron will be available Wednesday through Sunday. Stop by Gran-Aire to say hello, or you can reach him by email at aaron.fiss@flymilwaukee.com.

Welcome, Aaron!



Aaron Fiss
Certified Flight Instructor, Airplane
12/24/2013

Dan Gerard
Instructor

GRAN-AIRE, INC. Timmerman Airport 9305 W. Appleton Avenue Milwaukee, WI 53225 (414) 461-3222 www.flymilwaukee.com





PRESIDENT'S CORNER— ERIC WHYTE

Welcome to the April issue of the Flypaper! Finally it is starting to show a hint of weather closer to what we should have for the end of April! All I can say is it's about time! The car says it's 64, which after this winter feels like a heat wave. Yes, after last month typing out my rant from the cockpit of the Falcon hurtling through the stratosphere on the way to Las Vegas, this time I am in the passenger seat of Sarah's Ford Escape heading to the in-laws for Easter Dinner. Not all the stories are that exciting...

Anyway, speaking of excitement, this has been a fantastic weekend in the world of Homebuilt Aircraft. By the time you read this the 1st Annual Mojave Experimental Fly-in will be history. They had their awards dinner last night and the fly-in continues today although slightly more laid back as all the World Record attempts and judging finished yesterday. For those of you that haven't been following this event online, it was started by Elliot Seguin, an engineer for Scaled Composites, and homebuilders having restored a Cassutt, then designing building and testing his own original design, the Wasabi Racer. Along with other Scaled Employees and following company founder, Burt Rutan's mantra about innovation, they set out to recognize the homebuilders that are pushing the envelope and designing, building, and modifying airplanes. They set up 4 award categories; Experi-

menter of the Year, Best Design, Best Build and Best Test. They took nominations from around the world and to further the cause planned the fly-in to showcase this niche of aviation. During

the fly-in there would be no airshow, however they did contact the National Aeronautic Association and set up a number of Sanctioned Courses to allow World Record Attempts. Several of the participants have taken advantage of this and a number of records have been set, (pending FAI certification). One of the records was set earlier this week by Lee Behel, flying the all wood, GP-5. He set a 3 Km speed record in his weight class at an impressive 327 mph. I saw the video of him crossing the timing line with that V8 screaming it was very, very im-

pressive. Then he went and broke one of Bruce Bohannon's time to climb records. The video of that looked more like a rocket launch than what comes to mind when thinking about a wooden homebuilt departing.

Another of the impressive records set was flown by Zach Reeder in Burt Rutan's awesome Catbird. Catbird is 25 years old and already holds a number of speed over distance records, but Zach another Scaled employee, designed and built extra long range tanks for the airplane. The back seat was totally full of fuel, 195 gallons worth. With that much fuel, he set a record that had never been attempted before. Speed over a 5000 kilometer course. Yes, that is not a typo, speed over 5,000 km!



“there is no such thing as “just a small change” in aviation”



PRESIDENT'S CORNER— ERIC WHYTE CONTINUED



Continued from page 2

I had a personal interest in the awards as Jeff Lange, who has been helping me turn my big pile of RV parts into an airplane, was nominated for the awards. Jeff has a Sonerai I that he has been racing since 2007, and steadily modifying since. Over the past year he has been doing some serious design work improving performance firewall forward. Like most mods of this caliber, it took longer to do the mod than it did to build the airplane in the first place. It started with the goal of adding a turbo charger to the 2110 cc VW. As you know



there is no such thing as "just a small change" in aviation. To add the turbo, pretty much everything had to be redesigned. The induction and exhaust system had to be designed and built. Turbo VWs are common in the racing world but those installations are not designed to fit under a tight fitting Sonerai cowl. Speaking of

which, the cowl had to be redesigned to reduce drag, allow for better cooling and accommodate the new engine installation.

Then in typical homebuilders mentality, "well as long as it's pulled apart we might as well do....." That lead to a whole host of changes, a new carb, adapted from a



Jet Ski, and a new dual electronic ignition system. Oh electronic ignition, so now the airplane relies on

electrical power, guess what new electrical system too... With all the changes Jeff felt that he wanted to wear a helmet during flight testing, great idea only one problem. The Sonerai cockpit is so tiny that he couldn't wear a helmet and close the canopy. So the seat had to be redesigned and lowered, to do that a new control system had to be designed and built to allow clearance for the new seat. This was a project! Anyway, a couple of months ago, we gave up on the RV and worked full speed ahead on getting the Sonerai ready for Mojave. As the engine would be untested and the airplane back in Phase 1 flight testing, the decision was made to trailer the airplane to Mojave.



All that effort was rewarded last night when Jeff was called on stage at the awards dinner to receive the "2014 Best Design" Award. This award is for the best technical mod of the year, corresponding to the technical (aerodynamic, mechanical or structural) nature of the mod. Considering the competition and the judges, this was truly an honor for Jeff. Jeff has been volunteered to be the guest speaker for us in August, so stay tuned for that presentation.

This month we have an interesting talk about a really long cross country, flying completely around the world. Then starting in May we have our first Chapter Young Eagles event of 2014. Hope to see you there!

Eric





CALENDAR OF EVENTS

EAA Chapter 18 Meeting

Tuesday April 22nd 7:30 pm at the Timmerman Airport CAP Hanger 9393 W. Appleton Ave. Milwaukee, WI 53225

Monthly meetings are always the 4th Tuesday of the month at 7:30 PM at the Timmerman CAP hangar (except October and December). Guests are always welcome to join us.

2014 Chapter 18 Young Eagles

All events from 10:00 a.m. to 1:00 p.m.

Saturday May 10th

Capitol

Saturday Sep 13th

Timmerman

Saturday June 14th

Timmerman

Saturday Oct 11th

Capitol

Saturday Aug 16th

Capitol

Saturday Nov 1st

Waukesha

April						
S	M	T	W	T	F	S
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30			

May						
S	M	T	W	T	F	S
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31



Bearhawk Patrol
 Photo by Phil High, Lifetime EAA 254427
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JOIN CHAPTER 18 TODAY! Still considered the "best deal in aviation" by Chapter 18 former president Jeff Point. Fill out the info below and give it to our membership coordinator Glenn Botsford at the next meeting. (Annual Dues are \$10, plus \$5 for name plate)

Name: _____

Address: _____

Phone: _____

Email: _____

CALENDAR OF EVENTS CONTINUED



FVTC Fly-In Saturday, April 26, 2014 8:00a - 12:00p

S.J. Spanbauer Center, OSHKOSH, WI, USA

French toast, eggs, bacon, sausage, and coffee will be waiting for you. While you're here, attend safety seminar(s), stroll through our aircraft maintenance facilities, or try your hand at one of our flight simulators.

<http://www.fvtc.edu/public/content.aspx?ID=1578&PID=11> Phone: 9202326024

EAA Chapter 22 Fly-In / Drive-In Breakfast Sunday, May 4, 2014 0700 - 1200

EAA Chapter 22 Hangar, Rockford, IL, USA

It's time again for EAA Chapter 22's annual 1st Sunday in May Pancake Breakfast.

We are at a NEW location this year... hosting at our home base 1C8 – COTTONWOOD AIRPORT

We will be serving pancakes, eggs and sausage, along with coffee, milk and juice. A great day for fun for family and friends. Food tickets sold at the door.

<http://www.eaa22.org> Contact: Bryan Hunt Phone: 815-978-7864

Brat Fry-In Spot Landing Contest Saturday, May 10, 2014 1100 - 1500

Miles Field, Hartford, WI, USA

We will be having a brat Fry-In and holding a spot landing contest when you arrive. To qualify you must land on the line to qualify. Winner of the contest will receive a parting gift.

Reason: To enjoy camaraderie between pilots and grow participation in flying airplanes.

Food Available: Brats of course! With chips, soda and water. Cost: \$5

Aircraft Parking: Limited ramp space, grass field next to runway

<http://www.cubair.net> Contact: Steve Krog Phone: 262-305-2903

May Chapter 18 Young Eagles Saturday, May 10, 2014 10:00 a.m. - 1:00 p.m.

Capitol Drive Airport, Pewaukee, WI, Milwaukee

Free Flights for children 8-17!

<http://www.eaachapter18.org> Contact: Stephanie Schulko Phone: 414-732-6782

10th Annual Spring Fling Fly-In and Pancake Breakfast Saturday, May 17, 2014 0700 - 1100

Beloit Airport, Beloit, WI, USA

Armed Forces Day Salute to our Military! Come visit the "Prettiest Little Airport in the World" and join us for all-you-can-eat pancakes and sausage come rain or shine (we eat in the hangar). Adults \$6 & Kids \$4. Close-in parking for handicapped. Antique and Custom Cars on display, Fly-ins and Drive-ins welcome. Flea Market new this year. Fun for the whole family with unlimited ramp access. Talk to the pilots by their planes. Military with ID eat for half price for the entire family!

<http://60.eaachapter.org/> Contact: Ken Brooks Phone: 815-985-0717

EAA Chapter 431 Community Pancake Breakfast Sunday, May 18, 2014 7:00am - 12:00pm

Brodhead Airport, Brodhead, WI, USA

Fly-in or drive-in to Brodhead Airport (C37) for an all you can eat pancake breakfast, includes (eggs, sausage, coffee, milk and juice) Enjoy the views of our grass runways and the wide variety of planes that fly-in. Breakfast will be served rain or shine from 7am-12noon. Free airplane rides for ages 8-17 (with parental consent) offered by the volunteers of the Young Eagles program. UW MedFlight Helicopter lands at 9am and will be open for viewing.

<http://www.eaa431.org> Contact: Benjamin Johnson Phone: 608-214-9595

Young Eagles Rally Sunday, May 18, 2014 10:00 - 2:00

Burlington, WI, USA

Free airplane rides for kids between 8-17 (parent signature required). Food will be provided for participants and their families.

Contact: Eric Beets Phone: 2624927287



Chapter 18 Minutes from the March “2014” Meeting

The March meeting was called to order by President Eric Whyte at 7:35 PM at the CAP Hangar at Timmerman Field.

Announcements: It was announced that wooden wing kits and other wooden components are available from Max Aero, Inc. in Hartford. They are also the maker of the Wittman Model 10 kit.

Guests were asked to introduce themselves and 7 people did so.

Young Eagles: It was announced that we have over 400 Young Eagle credits and are now accepting nominees for Air Academy. Nominations are now being accepted for candidates in age group 12-19 for Air Academy. Deadline for applicants is April 30th. The schedule for Young Eagle events is published in the newsletter.

Building & Flying Reports: Dave Hoefgren reported that he has the wings and tail feathers on his RV-10. Jeff Wisneski reports that he is working on the wings for his WaieX. Jim Kidd reported that he has the wings for his Skybolt painted and is now working on small details. Mike Woods reported that he is now putting sanding sealer on his P-51 Mustang, pedal pusher. Mark Matelski reports that he thinks he has finally resolved the spar issue for his Hatz Classic. Jerry Roeder reported that he has the 2nd wing completed for his RV 9A. Jeff Point reported that he is still working on the wing for his Breezy and it appears ready to varnish. Jeff Hughes reported that he is continuing work on wiring and the interior of his GlasAir I. Fritz Jorgenson reported flying to East Troy. Eric Whyte reported flying the Comanche to Juneau for it's annual. Jason Kreitler reported that he is going to Sun & Fun. Laurie Probst reported that she flew from Watertown to East Troy. Tim Meyer reported that he is working on his instrument rating.

Tech counselors: Fred Keip reported on inspecting Jeff's wing for his Breezy. He also inspected Jesse Bentley's RV-8.

Flight Advisors: No Report.

New Business: It was reported that Andreas Keiwele has volunteered to assume duties as the tool librarian. A list of the tools is on the Chapter website. If you wish to place an ad in the newsletter, contact Darrell Kufalk. His contact information is published in this newsletter.

It was reported that per the by-laws, 3 non board members are needed to assist in the audit of the treasurers books.

A motion was made to donate the Chapter library to the Waukesha Aviation Club. This was seconded and asked by voice vote. Chris Esselstyn reported that a person with a CFIG rating is needed for weekends at Hartford airport.

Service award for past service were presented to Jeff Point, Jim Hatzenbeller, Ken Klima, Eric Whyte, Stephanie Schulko, Ron Scott, Glenn Botsford, Scott Jones, Fred Keip and Paul McAllister.

The Minutes from the February meeting were approved as published in the newsletter. The treasurer's report was approved as published.

Break was taken and was then followed by the monthly program, which was presented by retired military helicopter pilot Bill Zierdt. His program was on the history and development of the Franklin engine.

Meeting was adjourned at 9:20pm.

Respectfully submitted, Jim Hatzenbeller (Secretary)

**CHAPTER BOARD MINUTES-SECRETARY JIM HATZENBELLER
CLASSIFIES ADDS**



Board Meeting Minutes for March, "2014"

The March Board meeting was called to order at 6:40 by President Eric Whyte at the CAP hangar at Timmerman Field. Jim Hatzenbeller, Fred Keip, Glenn Botsford, Nick Heffron, Don Patterson, Jeff Wisneski, Jerry Roeder, Chris Esselstyn, and Tim Meyer were present. The minutes and treasurers report from the February meeting were approved. There were no committee reports. The only active committee at this time is the compass rose committee.

It was reported that Young Eagles events are scheduled for the 2nd Saturday of May, June, September and October, and Saturday, August 16th. Pilots and ground crew are needed. Lunch will be provided. Tentative location for May, August and October are Capitol Dr. Airport. June and September will be held at Timmerman Field. Schedule is in the newsletter.

It was reported that we have in excess of 400 Young Eagle credits. It was suggested that these be applied to a Scholarship to Air Academy for tentative applicants.

It was reported that the duties of the Chapter's tool library are now under the direction of Andreas Keiweil. The Chapter website will remain under the control of Todd Wenzel.

Programs for upcoming Chapter meetings were discussed and a tentative schedule has been set. This evenings program will be presented by Bill Zierdt, who will do a program on the Franklin engine.

New business: it was decided that the Chapter database will be updated on the website once per year.

Chapter by-laws state that an annual audit of the treasurers books be conducted on an annual basis by 3 non board members. We need volunteers to help with this audit.

Chris reported that the Hartford Soaring Society is in need of a CFIG for weekends.

Meeting adjourned at 7:10

Respectfully submitted, Jim Hatzenbeller (Secretary).

MEMBER CLASSIFIEDS

FOR SALE, RENT or LOAN

- 4 used Lycoming IO-360 cylinders with Hi compression pistons. 200 hours on new exhaust valves. Injectors not included. \$300.00 each. Don Patterson 414-708-5892 or dpatterson14@wi.rr.com
- I've got a few things for sale that builders and/or pilots might want:
 - 1 ATS Rivet Tool (204RV) \$80
 - 1 Survival Products 4-man raft #1400-1/1500-1 \$800 Contact Andy Laures at alaures@hotmail.com
- Sonex Airframe Kit #1190 (Standard, Dual, VW) "Easy Build" Laser Cut Metals with Machined Angle Components and Pre-Assembled Main Wing Spars. Some work in progress. Complete Kit cost was over \$19,000, Asking \$18,000. Located at Air Troy Estates (East Troy). Carroll Rands 262-994-9009 or ccrands@yahoo.com
- For Sale: a SlickStart module, \$250 (new price in Aircraft Spruce is \$647) Fred Keip 262-835-7714 (after 6 PM) or fredkeip@aol.com
- For Sale: Vacuum pump, Rapco RA215CC, SN A2180. Bought brand new with a vacuum kit about twelve years ago and never used. Sealed and stored since purchase. Also, have the two hose fittings if needed. \$150 or make an offer. Contact Greg Allmann at gallmann@wi.rr.com or 262-391-0535

WANTED TO BUY, RENT or BORROW

- Nick Heffron is looking for a aerobatic parachute (like a Softie or a Strong) second-hand. Contact Nick at nheffronneuhold@gmail.com
- Craig Henry is looking for a bending brake for RV ailerons. Those of you who are RV builders know exactly the part that I am talking about, and if anyone has one available, please contact Craig at 414-899-5980 or Glasair2@aol.com

To submit items here, send an email to Darrell Kufalk kufalk@wi.rr.com



**TREASURER REPORT-TREASURER GLENN BOTSFORD
YOUNG EAGLE NEWS - STEPH SCHULKO**

March-14	Checking	Savings	Total
Beginning Balance	\$797.67	\$1,007.71	\$1,805.38
Income			
Dues	\$120.00		
Coffee	\$48.00		
Name Badges	\$5.00		
Donations	\$5.00		
Patches Sales	\$2.00		
Interest		\$0.21	
Total Income	\$180.00	\$0.21	
Expenses			
Name Badges(3)	\$24.57		
Total expenses	\$24.57	\$0.00	
Ending Balance 3/31/14	\$953.10	\$1,007.92	\$1,961.02

		Membership Totals
		70 Paid for 2014
		42 Paid to 2013
		11 Paid to 2012
		8 Paid to 2011
		3 Paid to 2010
		9 Paid to 2009

Anyone who knows a child interested in attending the Air Academy and applying for Chapter 18 credits should contact Steph Schulko by April 30th. Chapter 18 has \$450.00 credits from 2013.

EAA Young Eagle Air Academy
 Ages 12-13
 Session 1: June 23 – 27, 2014
 Session 2: June 29 – July 3, 2014
Fee: \$755.00

EAA Basic Air Academy
 Ages 14-15
 Session 1: July 7 - 12, 2014
 Session 2: July 14 - 19, 2014
Fee: \$1,005.00

EAA Advanced Air Academy
 Ages 16-18
 Session 1: July 22 - 30, 2014
 Session 2: August 1 - 9, 2014
Fee: \$1,260.00

EAA Advanced Air Academy / SportAir
 Ages 16-19
 Session: August 11 - 17, 2014
Fee: \$1,125.00

Chapter 18 Apparel



Chapter 18 Apparel is on sale now. T-Shirts, Hats, Coffee Mugs, and much, much more. Order anytime and no minimums. Each purchase will help to support the chapter.
www.cafepress.com/EAAChapter18

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For more information about EAA Chapter 18, email info@eaachapter18.org

To submit articles, photos or other items for the newsletter as well as ideas, suggestions and corrections, contact...
Darrell Kufalk @ kufalk@wi.rr.com