



May 2015

Hangar Talk

Serving airplane builders, restorers, pilots, & airplane lovers in Western Michigan

Meeting Friday, May 1, 2015, 7:30pm

EAA Clubhouse, Grand Haven Memorial Airpark (3GM) 16446 Comstock St, Grand Haven, MI 49417

The Latest from GRT Avionics

Rapid-paced innovation continues from our friends at Grand Rapids Technologies. Todd Stehower and Greg Toman of GRT Avionics will be our guest speakers at the May meeting, and they will be showing us all the great solutions GRT has for the E-AB market, from their robust and inexpensive EIS Engine Monitors to their Glass Panel EFIS in 6.5," 8.4," 10.4," to 12," and the new Mini 4.3" EFIS that works perfectly as an minimum cost primary EFIS, or as a backup. Come and learn about Angle-of-attack sensing that is now available for all current models of the



GRT EIS Engine Information System



The New Mini by GRT Avionics

GRT EFIS, and as an upgrade to all versions of the Mini-EFIS, SX200A EFIS (identifiable by their digital magnetometer), and Adaptive AHRS



A complete panel by Aerotronics Inc. featuring GRT Avionics instruments



Prez Sez

Wow, nothing is better than the flying the season. The time is now, so get out and enjoy the weather!



Our planes have been kept in their cages for too long, but now they get to see the light of the sky. We don't have dark clouds blocking the view and we

get to see Michigan through the eyes of the eagle, the true "Kings of the sky!"

Do you need a destination? Then attend chapter 578 fly in at Freemont, KFFX, on May 23rd.

Take in some Breakfast, old cars, fun or maybe a helicopter ride.

See you at the meeting!

Tom Marotta
EAA Chapter 211 President

(*With some help from my son, Ben!)

"We who fly, do so for the love of flying. We are alive in the air with this miracle that lies in our hands and beneath our feet." — Cecil Arthur Lewis (1898-1997) Broadcaster, Aviator and Writer

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EAA Chapter 211 Meeting Minutes – 2015-03-06

Submitted by Earle Bares

Attendance: 28

Call to order and Pledge of Allegiance – 19:30

The April 3rd meeting was called to order by Vice-President Walt Clawson. The meeting took place in our "clubhouse" for the first time this year after meeting in the new terminal building the last 4 months. We had 28 in attendance, and welcomed visitors Dale and Joyce DeWeese from Zeeland.

Previous Meeting Minutes:

A motion was made and seconded to approve the March 6, 2015 meeting minutes. The motion was unanimously passed.

Treasurer's Report:

The checkbook balance from the last meeting was \$3,945.14 and petty cash was \$62.65. We had expenses of \$136.20. We had donations of \$28.45 (Coffee Fund) and \$320.00 from dues totaling \$348.45 (receipts). This gives us a checkbook ending balance of \$4,150.14 and a petty cash ending balance of \$71.00, for a total Chapter 211 current meeting fund balance of \$4,221.14. Motion to approve was made and seconded to accept the treasurer's report and was unanimously passed.

Meeting Dates and Locations - The next meeting date will be May 1st in our clubhouse. The Chapter picnic will take place on August 15 here at 3GM - Fremont Chapter 578 has been invited.

Chapter Dues - The treasurer reported that some members still have not paid their 2015 dues. Dues are \$22.00. As of the writing of these minutes about 3/4 of the members have paid their dues. Also noted, for those who have not yet provided, we need your EAA membership number. For your information, recently, the membership of Chapter has been dropping by about 2 to 4 members (net) per year and in spite of the fact we do have a few new members.

Technical Reports:

Jack Brewer gave a limited technical report on a gear collapse of a Mooney. To operate manual gear Mooneys, owners must comply with Airworthiness Directive 73-21-01. This AD has multiple sections, one of which requires that at each annual inspection the landing gear rigging and down-lock preload torque must be checked. Special tools (one for the nose and one for the main gear) are required to determine just how much torque it will take to transition the over-center links from the locked to the unlocked position when the Johnson bar is fully engaged into the down-lock block mounted under the instrument panel. However this collapse appeared to be a case of simply leaving it in the unlocked position. Gary Van Farowe was not in attendance to the meeting.

Project planes Reports:

A Very limited report other than Gary Kremers has sold his RV 7 and purchased a Bronze Lindy-winning RV 10. Gary is now in the process of going through it to just tweak a few things.

Coffee Break:

Program: *Flight Testing the Sonex JSX-2 Jet*

The program for our April meeting was a video on the Sonex JSX-2 jet. The interesting and informative video featured both inside and outside cockpit views of the jet flying at and in the vicinity of Oshkosh (KOSH). The little Sonex Jet is ...

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Meeting Minutes

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...capable of +6 and -3 G's in flight. It has a wing span of 18 feet and a maximum level flight speed of 265 mph IAS. The video was put together by Chapter 211 Member Dennis Stephen who now lives in Oklahoma. Chapter 211 awarded Dennis a builder's plaque for completing his Carbon Cub last year. We thank Dennis for this excellent video presentation.

Meeting adjourned at 20:52

FAA Approves Additional Pilot Program

The FAA's Additional Pilot Program, a new policy that formally allows a second pilot on board while flight-testing homebuilt aircraft, is now a reality. This is big news! One of the fastest moving EAA/FAA programs

ever to come to fruition the Additional Pilot Program (APP) may also be one of the most important in terms of improving safety of testing experimental amateur-built (E-AB) aircraft. At the same time it increases flexibility during the test period.

In less than 18 months the two bodies (with the help of lots of volunteers and input from the homebuilt community) developed AC 90-116, which outlines the ways that the initial test flights of a homebuilt can be accomplished with more than one pilot in the airplane.

The April edition of Sport Aviation has a great in-depth article that appears on pages 74-79. The link below will take you to an online .PDF version of the full article.



http://www.211.eaachapter.org/-%20New%20Folder/482446-APR%202015_selected-pages.pdf

Program at the Loutit Library in Grand Haven Fei Hu: the Story of the Flying Tigers

GVSU professor Frank Boring will show his documentary and discuss the history of this WWII fighter squadron. Frank Boring is an Affiliate Professor in the School of Communications at Grand Valley State University with extensive experience in filmmaking. Fei Hu: The Story of the Flying Tigers was televised nationally and internationally on PBS.

Date: 4/30/2015 (Thursday)

Admission: Free

Start Time: 7:00 PM

End Time: 8:30 PM

Location: Loutit District Library
407 Columbus Avenue, Grand Haven

Room: Program Room A

Contact Info for this event

Phone: 616.842.5560 x222

Email: lhalverson@loutitlibrary.org



3rd Squadron Hell's Angels, Flying Tigers
over China, photographed in 1942
by AVG pilot Robert T. Smith

Young Eagles Coordinator Needed

Sadly, after serving one year as Young Eagles Coordinator, Craig Christilaw has resigned. We want to thank Craig for doing such an outstanding job last year.

Craig plans to continue to support the EAA Eagles programs as pilot, but felt he needed to step away from the Coordinator position. So, that means we are looking for a new Coordinator.

As a Young Eagles Coordinator for Chapter 211 you will have the opportunity to shape the program as you feel best suits our Chapter and your vision. In addition, EAA provides all the help and support you could ask for, including a quarterly newsletter especially for Chapter Coordinators, appropriately named the *Chapter coordinators & Field Representatives Newsletter*.

People volunteer in EAA's Young Eagles® program for a variety of reasons. Some see it as a chance to payback the kindness of those who inspired them to pursue flying.

Others enjoy the opportunity to share their interest in aviation with young people. Many simply enjoy flying.

Hard work and dedication of volunteers is the primary reason why the Young Eagles continues to be a success in building the next generation of aviators.

Do you have a heart and a passion for sharing the magic of flight with a youngster... or even an adult? If you do, please contact President Tom Marota about the Coordinator position.



Chapter Coordinators & Field Representatives Update

Fall has arrived! This is a great time of year for Young Eagles flights in many parts of the country. The air is cool and crisp and the kids are back in school. Contact local clubs and youth groups looking for activities and introduce them to the Young Eagles program. It's also a great time to check in and make sure each of your pilots has reached the "10 for 2014" goal. Remember, pilots who fly 10 or more Young Eagles in a calendar year earn credits that can be used to offset the cost of sending a Young Eagle to one of the EAA Air Academy camps next summer. Pilots who reach this goal will also receive a "10 for 2014" lapel pin from EAA. As an added bonus, Sean D. Tucker is conducting a fall 2014 EAA Young Eagles Pilot Appreciation Sweepstakes. Pilots who fly at least one Young Eagle between July 1, 2014, and December 31, 2014, are automatically entered to win. Watch for more information on prizes and sweepstakes rules.

More on Young Eagles Credits
The Young Eagles credit program is a great way to continue to support a young person's interest in aviation. However, each year many of you do not use the Young Eagles credits your chapter has earned. Although the Air Academy camps are over for the year, you may use your remaining credits as a deposit to reserve a spot for a camper in 2015. Complete the [2015 Air Academy Chapter Reservation Form](#) to reserve a spot or visit the [Air Academy website](#) for more information. Keep in mind that your Young Eagles credits will expire on December 31, 2014. If you have any questions, please contact the EAA Young Eagles office at young@eaa.org or 800-426-4831.

Win a Lightspeed Headset
We continue to hold quarterly drawings for Lightspeed Zulu Headsets for active Young Eagles pilots. The form must be postmarked by the end of the quarter - the dates for the drawings are September 30 and December 31. In addition, a second quarterly drawing is conducted for pilots who reach the "10 for 2014" goal. Reaching this milestone will give you an automatic



John Wilkes' RV8 is Flying!

EAA Chapter 211 Member John Wilkes achieved a big milestone in his life in early March when he received an airworthiness certificate for the RV8 he has been building since 2003.



The DAR presenting John with the airworthiness certificate after the inspection. The airplane is all opened up and partially disassembled for the inspection.

John reports that "N4516W passed with flying colors. Usually the DAR will have to come back to confirm that major defects had been fixed, but there were only about seven very minor sqawks that we could easily fix on the spot."

"Now all I have to do is convince the FAA to clear me medically to fly it," John said. "If they do that, I intend to paint it in a modified Naval Training Command scheme (white with candy apple red trim instead of the orange) with "MARINES" and stars & bars on the fuselage."

John's RV8 has two GPSs (one w/ a moving map and the other w/ a CDI), a Dynon Engine monitor, a Tru Trak auto pilot w/ altitude hold, electric elevator trim and flaps (both controlled on the stick), manual aileron trim, and a new constant speed prop on a new IO -360 engine; plus a complete set of steam gauges. John said, "No EFIS for me! Too old a dog for that!"

John's friend, the one who actually helped him finish the plane, has now started flying off the first 40 hours. I have not had a chance to talk with John since the recent announcement of FAA's Additional Pilot Program (see page 3) that might allow him to participate in some of those hours if he were to get his medical back in time.

For now, his friend is flying off the time within a 75 mile radius of Paris, TX, where it was inspected. John reports that he is going to need a refresher on flying tail draggers as only approximately 15 hours of his roughly 2000 hours was in a tail dragger, and even those were a long time ago.

John's friend has many hours in his own identical airplane. After he flies off the first 40 hours, John will fly it from the back seat which has everything but brakes, until he feels comfortable flying it by himself in the front seat.



John's RV8 all back together after the inspection. Next, 40 hours of flight testing and a trip to the paint shop.

John has been down on the Mississippi Gulf Coast for most of the winter and was planning on returning in mid-April. However he probably won't be at a meeting until June.

If all goes well, he plans to have his RV8, N4516W, up here later this summer.

Congratulations John!



1964 - 2014

A TRADITION OF BUILDING

A Memorial and Celebration of Ken Fryling's Life

Kenneth Arthur Fryling, Age 81, passed away unexpectedly March 1, 2015 from complications with his battle with cancer.

Ken was a well know pilot, builder, mechanic and friend of many EAA members in West Michigan and will be greatly missed.

Ken was passionate about aviation throughout his life. He served in the Air Force, beginning his flight training at the close of the Korean War.

But Ken, was more than just a pilot, he was also a highly skilled aircraft mechanic and craftsman, recognized for restoring vintage aircraft like the Ford Tri-Motor, and the Stearman crop-duster, as well as building several personal aircraft.

Earning numerous certifications through the FAA, he provided annual inspections and repairs to corporate jets, private

airplanes, and was an active member of the Experimental Aircraft Association (EAA).

EAA Chapter 145 in Jenison, MI, will be hosting a memorial service and celebration of Ken's life at Riverview Airport on Sunday, May 17, 2015. All friends and acquaintances are invited to attend. The exact time is yet to be determined. If you ideas for, or would like to help plan a simple, meaningful and enjoyable day in Ken's memory, Richard Foster, would like to hear from you. Perhaps you have some photos or memories you would like to share.

If you have any questions, or suggestions for Richard, please call him at 616-538-8849.

Watch your email inbox for further information, and plan to attend the memorial and celebration of Ken's life on Sunday, May 17, 2015.



Ken & friends airplane building in the 1960's



Craig mastering metal shaping with a special, "aerodynamic" hammer!



American Eaglet Project

Wednesday evening Work Sessions are scheduled for May 20 & May 27.
No Saturday Work Sessions are currently scheduled for May.

Always check the website, www.211.eeachapter.org for the latest information.

