

# WINTERMAIL

EAA CHAPTER 25

MINNEAPOLIS / ST PAUL, MN

OCTOBER 2015

## *Fly-in Airman Acres 2015*



*64<sup>th</sup> Annual "Bean Dinner"  
(It is a gas)  
Saturday 9/26/15  
by Paul Brown*

**T**his beautiful sunny day for me started out at 7:00 a.m. local time with biscuits, gravy and coffee. At 8:00 a.m. we had a pilot briefing. Then about 15 Airman Acres OK93 pilots and their bombardiers took off on their low approach flour sack drops at four other local airports - Gunderman Airpark (Gundy's) O38, Avion Airpark OK15, Sand Ridge Airpark and Sky Haven OK01 – all within a 60 minute Cub ride of the home airport.

*(Continued on page 4)*

## *Making Aileron Counter-Balances*     *By Patrick Hoyt*

**T**he plans for the airplane that I'm building call for counter-balanced ailerons. Two different methods are in common use among people building this aircraft design: one method involves lead-filled 4130 steel tubing, and the other consists of solid steel plates that are cut & shaped in

*(Continued on page 6)*



*#1—Tubing Cutter*

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# Flight Lines

—from Craig Nelson,  
EAA Chapter 25 President



If you weren't able to make the annual Chapter 25 banquet a few weeks ago you missed a good time. As usual, the food was great and we had a fascinating presentation by Dr. David Schall about flight surgeons during WWII, in particular the flight surgeon that participated in the Doolittle Raid over Tokyo. Congratulations to the following chapter members

who received awards at the banquet.

Oehler Chapter Service Award – Pat Hoyt

Past President – Kim Johnson

Young Eagles Top Gun – John Schmidt

Young Eagles Ramp Champ – Bob Dunst

Young Eagles Coordinator – Kris Olson

The contributions by these folks help make Chapter 25 a strong and vibrant Chapter. Please congratulate and thank them the next time you see them. Also thank Pat Halligan for all his effort in once again coordinating the banquet. There is a lot to it and he does a wonderful job!

Although I wasn't able to attend it sounds like the visit to Cirrus Aircraft in Duluth was interesting and fun. About three dozen attendees from our chapter as well as Anoka and St. Paul got a tour of the factory and saw videos of the ballistic parachute system that is used on Cirrus aircraft. Again, thanks to Pat Halligan for setting up this outing.

The latest update I have on the Chapter 25 Scholarship Fund is that we are just over \$2100 or 76% of our \$2750 goal. Please help us get that last \$600 by making a donation prior to the end of the year. Send your donation to Mamie Singleton, PO Box 17093, St. Paul, MN 55117. Just twelve more people making a \$50 gift will do it. Since Chapter 25 is classified as a 501(c)(3) tax exempt organization, your donation is tax deductible.

It's hard to believe but planning for the Chapter Christmas Party is underway. Dan Carroll has graciously offered to host the event at his beautiful hangar at Anoka Airport. The date is Sunday December 13 starting at 3pm. Mark your calendars! Stay tuned for more information.

During our October meeting we need to finalize our slate of candidates for officer positions next year. All current officers have agreed to run again. We certainly can have additional candidates run. If you have an interest in serving as a Chapter 25 Officer, please contact a current officer and inform them of your inter- *(Continued on page 8)*

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# ON FINAL



Minneapolis/St. Paul

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\* also flight advisor

# This Month: Wed Evening Oct 21st—BSAEC at Airlake

Grill on at 6:00 pm, Meeting at 7:00 pm

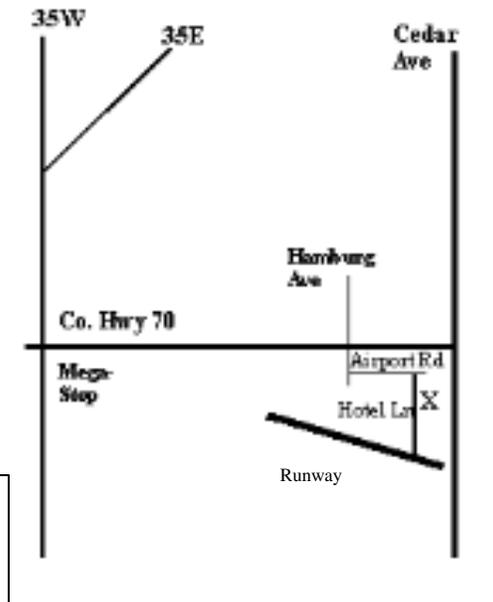
Please bring something to share (meat and buns provided): deli salads, chips, cookies, utensils, soft drinks and water.

**Program:** Doug Evink with Tanis Pre-Heating Systems will join us to talk about aircraft cold weather operations, a timely topic as the weather starts turning colder.

**Saturday, November 21st: Young Eagles** Contact Kris Olson, pilots/ground crew needed: 651-675-6826, ksimpson2@yahoo.com

**Sunday, December 13th, 3pm: Christmas Party** Will be hosted by Dan Carroll at his hangar at Anoka this year. Thanks Dan!

**Saturday, December 19th: Young Eagles**



## EAA Ch. 25 Minutes of the September 16, 2015 Chapter Meeting

The meeting was called to order by President Craig Nelson at 7:00 pm at the BSAEC. Ron Oehler led us in the Pledge of Allegiance and asked us to observe a moment of silence for all those in harm's way tonight and for all who paid the ultimate price for America since its inception.

Guests - Dave Ramsey and Bob Hucker, retired Air Traffic Controllers, Lindsay Dehnke from the Airlake FBO and Bev Koser, were welcomed.

Informed member –Sig Larson is recovering from a stroke. We were glad to see that Terry Carmine is back after undergoing heart surgery last month.

Treasurer's Report – Gordon Duke, Treasurer, informed us that our finances are in a healthy state. We have \$15,790 in checking and all bills have been paid.

Young Eagles – Kris Olson reported that the next Young Eagle event will be on 9/19. Kris is planning the same group of kids from August plus 2 -3 more groups for a total of 25 – 35 kids.

There will be an aviation expo for youth ages 10 – 17 at the St Paul Downtown Airport on Saturday, September 26th during the day. Women in Aviation, Stars of the North (Minnesota Chapter) and AirSpace Minnesota are hosting it.

September 26th is National Girls in Aviation Day. Female mentors, possibly an astronaut and a WASP will be in attendance. Boys are welcome too. EAA Chapters are invited to run a Young Eagles rally during the event. Chapter 25's Young Eagles and other local EAA Chapters are looking for volunteer pilots (EAA members) and any ground crew that can help. Organizers are looking for people who will teach about aviation. Pilots and ground crew are needed for these events! Please advise Kris if you can serve.

Air Academy News – Matthew Davidson received an EAA \$1,500 flight training scholarship.

Fund Raising – Craig thanked 16 Ch. 25 members who volunteered at the AOPA Fly-In on 8/22. We are splitting \$700 from AOPA with Ch. 237.

Craig informed members that we are making a change in approach to fund raising for Chapter 25 expenses. Instead of conducting a raffle, we are asking Ch. 25 members to make a donation to our Scholarship Fund. Our goal is to raise \$2,750 to cover our scholarship commitments. We are currently at \$1,826 (66% of our goal). A letter suggesting a \$50 tax-deductible donation was mailed in mid-August. Vice President Mamie Singleton is coordinating this campaign. Craig thanked members for their support in this endeavor and encouraged everyone to respond to help us meet our goal.

Wall of Fame – John Koser reminded all Ch. 25 members who have built homebuilt aircraft to submit a picture of your plane to him. We know there are many more than he has received and have been posted on our wall.

Project Updates

Joe Huotari told us about his Yak 52 (Continued on page 5)

### Final Approach Trivia Quiz

By John Schmidt

In what year was the flight of the first delivery of air mail in the United States?

**Answer on page 5**

# Airman Acres 2015

(From page 1)

I rode in a Cessna 172 Skyhawk with Bill B. We made two direct hits on each of the local airports. Dan Siemens flew the 1941 Porterfield with Jeff Kasdorf as the bombardier.

The fly in started at roughly 10:00 a.m. Some pilots showed off their airplanes with one or two fly-bys before landing. Approximately 78 airplanes showed up for the free Bean Soup dinner. Many other people drove to the event. Two cast iron kettles over wood fires were lit at 5:30 a.m. to cook the bean soup. The recipe for the bean soup is one hundred and forty pounds of beans and sixty pounds of ham carefully stirred to keep from burning with canoe paddles. There were no leftovers. They are served promptly at (but not before) a small, but very loud, report of a highly polished brass cannon goes off.

I stayed with my best friend Dan Siemens (a Delta Airbus A320 Captain) at his parent's home. Don "Gramps" and Velma "Granny" were two very gracious hosts. They live ten miles north of Tulsa International KTUL airport right on the approach pattern to runway 18. This is my 12<sup>th</sup> annual fly-in so I have become an adopted son once a year.

Informal rides were given to spectators and friends after lunch by many pilots. Even Dusty Crop Hopper made a guest appearance but couldn't give any rides being a single seater. My personal favorite was Don's Porterfield because I was able to fly it with Dan.

There is a special trophy handed out to one person each year. It is given out for being most enthusiast or most grass roots or helping the cause of general aviation. It is called "Champion Bean Eater", and the 54<sup>th</sup> annual went to Scott Rower of Ponca City, Oklahoma. I won the trophy in 2006 for being most enthusiastic about airplanes.



*Photos Top: Fly-by,  
Above: Stirring the Beans,  
Bottom left: Paul & Dan in the Porterfield,  
Bottom right: The Cannon*



# 2015 Banquet Wrap-up

## Chapter 25 members,

I want to thank the 92 folks who attended the annual chapter banquet on Sunday, October 4th. It really was an enjoyable evening. The food is always good, but this year Classic Catering went out of their way and served great tasting food on china. They said they were using the china, because we have been such a great group to work with, the past ten years. The chicken and pork were fantastic, according to everyone I talked too. Even the broccoli salad was a big hit and we topped it all off with a cupcake.

Our guest speaker, Dr. David Schall, the FAA Great Lakes Region Flight Surgeon put on a fantastic presentation about the Doolittle Raid, called "30 seconds over Tokyo." As a matter of fact, Dr. Randy Corfman, the MN Pilots Assoc. President, bought two tickets when he heard Dr. Schall was talking and he even did the guest speaker introduction.

We had some real cool door prizes, including a B-17 bomber jacket that EAA Oshkosh donated. We had a \$60 bottle of wine and \$100 worth of gift cards from Doolittle's WoodFire Grill, just to mention a few. The jacket went to Angie Lundin, Dave's wife. We even raised a few extra dol-

*Lou Martin presents a copy of his book "Wings Over Persia" to our guest speaker, Dr. David Schall*



lars by raffling off four tickets to a MN Twins baseball game next year, that were donated by Fifth Avenue Dental-Anoka, MN. If you need some work on your teeth, give them a call and ask to see Dr. Colleen Halligan. When you see her, tell her you know her dad. She'll charge an extra 5%, but hey, I'm retired and I can use a little extra beer money. Of course I'm kidding about the extra 5%.

All in all, it was a very enjoyable evening, spent with many of our chapter members and their spouses and friends.

Again, thanks to all who bought tickets and attended.

**Patrick Halligan**  
**Banquet Chairman 4 Life**

## *Answer to Final Approach Quiz (p. 3)*

During the first aerial flight in North America by balloon on January 9, 1793, from Philadelphia to Deptford, New Jersey, Jean-Pierre Blanchard carried a personal letter from George Washington to be delivered to the owner of whatever property Blanchard happened to land on, making it the flight the first delivery of air mail in the United States. As Blanchard descended into Deptford, two weary farmers saw it coming and were scared to death; they had no idea what it was. A historian reported: "The farmers approached the balloon with pitchforks until Blanchard handed them the letter from Washington. They were dumbfounded by the whole thing." Today, visitors can go to the landing spot, marked with a stone marker, which sits behind the new Walmart Supercenter in Deptford, New Jersey.

[http://en.wikipedia.org/wiki/Airmails\\_of\\_the\\_United\\_States](http://en.wikipedia.org/wiki/Airmails_of_the_United_States)

## *September Minutes (from page 3)*

project. There have been challenges with radios and valves sticking. It is qualified as an experimental. Joe is going to bring pictures to a future Chapter meeting.

Joy Ride – Norm Tesmar and Dick Bylund told us about a harrowing experience on a trip to Blue Earth. The Franklin engine lost 250 RPM and began vibrating enroute. With some quick thinking and excellent piloting skills, Norm was able to land the airplane at the Wells, MN airport, where fortunately, there are skilled mechanics available who will be able to repair Dick's airplane engine.

### Upcoming Chapter Events

10/4/2015 - Banquet – The Ch. 25 banquet will be at the Eagan Community Center. A letter will be mailed this week asking members to send in their ticket requests with their payments. Dr. David Schall, an FAA Flight Surgeon in the Great Lakes office, will be speaking. Dr. Schall has done a great deal of research on Doolittle's Raid, particularly with respect to a physician who participated and helped bring survivors back to America, just ahead of the pursuing Japanese.

*(Continued on page 7)*

# Making Aileron Counter-Balances *(From page 1)*

a certain manner. For my project, I chose to make the aileron balances out of 4130 tubing. Some thin walled 4130 tubing was retrieved from the scrap bin, and cut to length using a tubing cutter (Photo 1). The diameter of the tubing was determined by what would slide inside the aileron torque tube, and the thickness was determined simply by using the thinnest tubing I had available.

A hole saw and drill press were used to drill through the larger pieces of tubing, creating holes into which the narrower pieces of tubing would fit. One end of each of the narrower pieces of tubing was crimped in a vise, since that part would be exposed to the airstream while in flight (Photos 2 and 3). A few minutes with a grinding wheel removed excess material and resulted in a fairly streamlined shape.

The rough pieces were held together in a set of right-angle magnets (Photo 4) and were then TIG welded together. Some lead was melted with a torch and poured into the crimped narrow tubes.

After deburring and cleaning up, steel rivets were used to secure the entire assembly onto the outboard ends of the ailerons (Photo's 5 & 6). The pieces were painted with a light gray primer before final installation.

Since these ailerons are aluminum, I'd like to polish them (as well as the flaps) instead of painting them. Paint adds a lot of weight, particularly when dealing with control surfaces that must be counter-balanced, since an equal amount of dead-weight must also be added on the counter balance to offset the weight of the paint, which is a scenario I seek to avoid. 6061 aluminum is easy to polish, it takes a good shine, and I already have all the stuff I need to do that.

Patrick Hoyt



**#2—Rough Fitting**



**#3—Crimped Leading Edges**



**#4—Preparing to Weld**



**#5—Counter-Balance Filled with Lead**



**#6—  
Position  
On  
Wing**



## September Minutes (Continued from page 5)

10/10/2015 - Cirrus Tour – All members and friends are invited to go on the Cirrus Tour. Meet at Doolittle’s Café at 7:30 am to car pool. Cirrus will be providing pizza’s for lunch. Attendees will be returning Saturday evening.

10/17/2015 - Young Eagles – Kris is expecting 25 – 35 kids. Let Kris know if you can serve as pilot or ground crew.

10/21/2015 - Chapter meeting – Tanis representatives will be speaking on engine pre-heating on October 21.

11/18/2015 - Chapter meeting – Ryan Mohr will be speaking on shooting good aviation videos on November 18.

11/21/2015 – Young Eagles Event

### Other Local Aviation Opportunities

9/29/2015 - AOPA Safety Seminar – Cross Country Challenges at the Anoka Co. – Blaine Airport.

10/10/2015 - Charles McFarland, who bought Dick Navratil’s Piet, would like help packing the Piet on Sat. 10/10.

On-going - Chapter 237 is helping to restore an EAA owned B-25. You can volunteer for work sessions. They are currently working on the nose section.

Officer Nominations – Craig informed members that Ch. 25 Officer Nominations for 2016 will be finalized at the October meeting. Elections will be held at the November Chapter meeting. Let Craig know if you are interested in running for any position.

Presentation – We were fortunate to have Mark Schrier, retired air traffic controller, back to speak. His presentation was entitled: “Mark’s Believe It or Not: Truly Unbelievable Tales from the Tower”. Mark’s major points for GA pilots were to remember that controllers are responsible for aviation safety and are willing to work with pilots. Effective communication is the key. If you do not understand what a controller is communicating, let the controller know. Remember that airports are towered or non-towered, not uncontrolled. Also, always call for traffic advisories; an extra set of eyes is always helpful.

Respectfully submitted,  
Kim V. Johnson, Secretary and Membership Coordinator

Next Chapter Meeting: Wed, Sept 16th

Young Eagle Events: Sept 19th  
contact Kris Olson (see p2) if you can volunteer

### Aircraft Insurance and Hangar Insurance



Contact: Kevin Gruys at 952-890-1124  
email: [gruys@aircraft-marine.com](mailto:gruys@aircraft-marine.com)  
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# Flight Lines

(from page 2)

est right away so you can be included in the nominations. Final voting for 2016 officers will occur during our November meeting.

Our meeting this month will be at the BSAEC at Airlake Airport. Doug Evink with Tanis Pre-Heating Systems will join us to talk about aircraft cold weather operations, a timely topic as the weather starts turning colder. In November, Ryan Mohr will give his rescheduled presentation about the "Ins & Outs of Shooting Aviation Video". Ryan will review what equipment is available and present information on how to safely shoot video from cameras mounted on aircraft.

I hope to see you at the BSAEC next Wednesday.



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To all the members of EAA Chapter 25 and the Pietenpal Builders group,

I want to thank each and everyone of you for your incredible support, and for being supportive, dear friends to Rick. He had his struggles, but the "EAA family" meant so much to him.

We will all miss this special man, but I will be thankful for the wonderful years he gave to me & others! The flowers were such a beautiful symbol of your friendship. Love, Joanie



Stein Bruch  
President

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