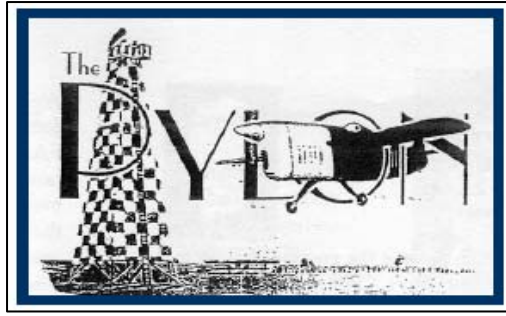


EAA 252
OSHKOSH
Steve Wittman Chapter



Issue
February
2013



A Part of the Aviation Community in Oshkosh and the Surrounding Area Since 1965



The Chapter 252 Hangar!

EAA Chapter 252 now has a place to call it's own. Note – this nice summer photo was selected by the editorial staff. OK - so it doesn't represent the present appearance, but it gives us something to look forward to. Spring!

Note – dogs were not included in the sale.

President's Message



By Brian Cooper

At the EAA Chapter 252 Board meeting on January 31, we confirmed that we had surpassed our fundraising goal for phase one (acquisition) of the hangar project. My deep thanks go out to all the donors! We also reviewed the business details of the transaction and found everything prepared and in order. The board reviewed the contract, found it satisfactory (it had been prepared with the aid of a lawyer), so Janet Davidson and I signed on the dotted line, and a \$74,000 check exchanged hands. The hangar is ours! I want to thank Wayne Daniels and Al Follendorf for their dedication and diligence while pursuing the hangar.

What's next? We've started planning meeting presentations for the year. The plan is to alternate the general Chapter meetings between topics on flying, and topics on building/restoring. We'll also have our normal social events. We'll be floating a few new ideas past you, the members, at the next membership meeting, however. Among the proposals are a monthly "movie night", fly-outs during the warmer months, and we'll also be discussing the initial improvements we'd like to make to the hangar. That noisy heater comes to mind. We've also received some informal "inquiries" from many local aviation groups who would be interested in borrowing space for their own monthly meetings. Ed Fisher of the Sport Aviation Association (SAA) has also contacted me requesting to hold an SAA picnic at our hangar during Airventure. While none of these plans are firm yet, I personally think these are all great ways to utilize our hangar, and I hope they work out.

Finally, a very interesting tid bit. Dave Broadfoot, of Waukesha, WI, was a friend of Steve Wittman's. He happens to have the original wings, plans, and many other components of Steve's Chief Oshkosh/Buster, and it sounds like he would be interested in passing them along to

the Chapter. Dave has expressed interest in attending our next membership meeting and visiting with us. As we are the Steve Wittman Chapter, many of the Board members and myself think that acquiring these components would give us some interesting possibilities for sharing Steve's legacy. As with the plans for the hangar, nothing is firm, but it's very gratifying to see all sorts of opportunities popping out of the woodwork now that we have a permanent home.

Chapter 252 Resource List, 2013

Chapter member advisors (aviation professionals, or experienced & EAA recognized), who will often make themselves available to provide advice to other members. Additional names may be added as they are confirmed.

Technical

- Lyle Forsgren, (Oshkosh)
EAA Tech Counselor
lands@northnet.net
920/966-0410
- Tim Hoversten (Oshkosh)
EAA Tech Counselor
thoversten@eaa.org
608/617-7339
- Chad Jensen (Oshkosh)
EAA Tech Counselor
309/532-4347
taildragger7@gmail.com
- Joe Norris (Oshkosh)
A&P, IA, EAA Tech Counselor
pilotjoe@ntd.net
920/688-2977
- Randy Novak, (Oshkosh)
A&P, IA, EAA Tech Counselor
classicair.novak@gmail.com
920/426-2763

Flight

- Jim Kress, (Oshkosh)
CFII
jim.kress@att.net,
920/233-5660
- John T. Monnett, Jr., (Oshkosh)
EAA Flight Advisor
john@sonexaircraft.com
920/426-5402
- Joe Norris (Oshkosh)
CFI, EAA Flight Advisor
tailwheelpilot@hughes.net
920/688-2977
- Owen Russel, (Butte des Morts)
CFI, EAA Flight Advisor
owenrusel@charter.net
920/582-4328
- Chad Jensen
EAA Flight Advisor
taildragger7@gmail.com
309/532-4347

Medical

- Kevin Green MD, (Oshkosh)
Airman Medical Examiner
www.foxvalleywellness.com
920/922-5433

Chapter Officers & Board of Directors

President – Brian Cooper

523 Tori St.
Omro, WI 54963
920/420-2169
brianacooper11@gmail.com

Vice President – Dennis Moehn

1503 Michigan Street
Oshkosh, WI 54902
920/810-1046
moehn@fvtc.edu

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1110 Daniel Ct. #50
Neenah, WI 54956
920/426-6823
jsmith@eaa.org

Treasurer – Fred Stadler

1742 Hunters Glen Dr.
Oshkosh, WI 54904
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Young Eagles – Brian Cooper

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Chapter Historian – Jim Casper

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Oshkosh, WI
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The Pylon is the newsletter of EAA Chapter 252, published monthly by the newsletter editor.

Digital copies are e-mailed to each Chapter member. Hardcopies will be mailed upon request to those without e-mail. Current and past copies can be downloaded from the Chapter website at www.252.eaachapter.org.

Stories & items for submission to *The Pylon* are welcome and must be received by the Newsletter Editor no later than 2 weeks prior to the monthly meeting date.



February Chapter 252 Meeting

Next Chapter 252 Meeting

February 14th

Doors Open at
6:30 PM

Meeting starts at
7:00 PM

(Wear Your Chapter
Name Badge)

**Chapter 252
Hangar**
817 W. 20th Ave.
**Wittman Regional
Airport
(North side)**

The hangar is located west of the Basler FBO car parking. Park behind the Chapter hangar or in the adjoining Basler's FBO parking lot.

Snacks & treats are always appreciated!

- WANTED - Chapter Meeting Topics & Presenters

Have an idea, or would you like to volunteer to provide a presentation?

Please contact
V.P. Dennis Moehn.

The February meeting will be held in the Chapter Hangar. The business meeting starts at 7:00, but come early if you want to socialize for a bit beforehand.

Meeting topics will include activities of the Chapter Hangar committee, planning for the April Chapter fly-in breakfast, Young Eagle rallies, and other upcoming Chapter events.

Aaron Sauer of the National Transportation Safety Board will be our featured speaker for the evening. The content of his presentation, “**NTSB Experimental Amateur Built Accident Investigation**” will include the safety survey results from last year, the work that the NTSB performs, and a



Aaron Sauer at work in the home office.

detailed look into 4 or 5 specific accident investigations.

Sauer is based out of the Central Region office located in Denver, CO. He did actually live and have his office in Denver for about 5 years, until he was permitted to operate from his home office (literally) in Greenville, WI. This worked out well since he originated from the Appleton area.

Like many of us he was exposed to aviation at an early age. His father managed the KC Aviation facility at Outagamie County Airport, and he worked there while in High School, and during his college years attending UWoshkosh. Sauer learned to fly at Maxair, where he got his Private Pilots License, and would later go on to get his Commercial, Multi, and Instrument ratings. After UWO, Sauer went on to Embry Riddle University in Daytona Beach, Florida for a Masters degree.

While at ERU he enrolled in an NTSB training class. His interest in accident investigation arose from that class, and his own experience of watching his father participate in the investigation of the Midwest Express DC-9 crash in Milwaukee, a tragic accident that

Notice of Proposed Change To Chapter By-Laws

At the January Board of Directors meeting a motion was made and approved to recommend and amendment to the Chapter 252 By-Laws. The amendment will be read and voted upon at the February Membership Meeting.

Our Capital Campaign to generate funds for supporting the hangar offers a lifetime membership for those who donate \$1000 or more. However, presently our by-laws do not have a provision for “lifetime” membership.

Per the Chapter by-laws there are presently two types of membership:

Regular – annual dues payment, voting member.

Honorary - non-dues paying, non-voting member. Cannot hold any office.

The proposed amendment is to add reference for an additional type of membership:

Lifetime – lump sum dues payment, voting member.

The proposal is:

Article IV, Section II, Par. A will be amended to read – “A Regular *or Lifetime* voting member of this organization in good standing”.

Article V, Section II, Par. B will be amended to read – “*Annual dues for regular members* shall be payable January 1 of each year for the period of January 1 through December 31. Membership privileges will end of March 31 if dues are not paid by March 31.”

Article V, Section II, Par. D will be added – “*Lifetime members shall make a lump sum payment in accordance with Article V, Section I.*” (Rate of Assessment).

This amendment is proposed in accordance with the by-laws:

ARTICLE X. AMENDMENTS

These Bylaws may be repealed or amended, or new Bylaws may be adopted at any meeting of the members called for that purpose, or at the annual meeting of the members, by a majority vote of voting members present at such meeting.

personally touched his own family. He has been with the NTSB for 13 years, and does not look upon his job as a “government job”. He is interested in spreading the knowledge learned from those unfortunate accidents so that we can all learn, and become better pilots and mechanics.

Sauer is not an EAA member, but admits that he should be (sounds like a future Chapter member!!!) He regularly works AirVenture in the Federal Pavilion, you may have seen him there!

Welcome New Members!

New Chapter member **Jennifer Bork** (EAA #785973) works full time as an EAA Staff Member. She is the EAA SportAir



Workshop Coordinator. She is relatively new to aviation as her introduction to aviation came about as an EAA employee. She is not a pilot – yet, but she is helping out on the EAA Staff's Zenith project – and that's a good start!

Jennifer lives in Oshkosh and has a 12 year old son, Alex. Welcome to Chapter 252 Jennifer!



Bill Batten (EAA #781915) is a new Chapter member, and new to the area. He is employed at Oshkosh Corp, as the Director of Global Marketing for the Oshkosh Defense Division.

Bill is an active pilot, with Commercial, Complex, and Instrument ratings; but his flying is primarily recreational. His dad inspired his interest in aviation, as he was also a pilot. Though Bill does not own an airplane now, he would like to enjoy his retirement someday by building an airplane. He hasn't picked out a design yet, but it sounds like he might be thinking about that!

Bill lives in Oshkosh with his wife Carol, and is looking forward to being an active member of Chapter 252!

New member **Loren Larson** (EAA #528616) comes to us from Omro where he lives with his wife Jill.

Loren says he has always liked airplanes ever since he was a young child, but did not begin to pursue his aviation dream until later in life. He first attended AirVenture in 1996, when he had moved to the Oshkosh area. His AirVenture experience got him going and he started taking flying lessons at Valley Aviation on Wittman Airport - his only regret is waiting so long to get started. He is an active Private Pilot, and he owns and flies his



Cessna 150. He enjoys sharing the experience of flight and participates in the Young Eagle and Eagle flights programs.

He is presently a student at the Fox Valley Tech in the Aviation Maintenance and Avionics programs. His other interests include amateur radio, collecting and restoring antique gas engines (all right!), and bow and gun hunting.

Loren is looking forward to getting know his fellow Chapter members, and having some fun with airplanes.

Planes & Projects



Still - the only project to report is my own, the Novak Taylorcraft pedal plane project continues.... The airplane is now going on the gear.

Do we have any builders in the Chapter? I can't tell! Please send photos and stories about your project to the newsletter editor!

2013

Chapter Calendar and Wittman Airport Events

February 14, 2013

Chapter 252 Membership Meeting
Aaron Sauer, NTSB Investigator
Chapter Hangar

February 28, 2013

Chapter 252 Board of Directors
Any member is welcome to sit in.
Chapter Hangar

March 14th, 2013

Chapter 252 Membership Meeting
Chapter Hangar

April 11th, 2013

Chapter 252 Membership Meeting
Chapter Hangar

April 13th, 2013

Chap252 Fly-In Pancake Breakfast
Celebrating S.J. Wittman's Birthday
Location TBD

April 25th, 2013

Chapter 252 Board of Directors
Any member is welcome to sit in.

September 14th, 2013

Chap252 Fly-In Pancake Breakfast
Location TBD

Check out the event calendars at:

<http://www.eaa.org/calendar/>, and
<http://www.dot.wisconsin.gov/travel/air/fly-ins.htm>



2013 Chapter Dues Renewal Due Jan. 1

Send \$20.00 to:

Chapter Secretary, Jane Smith
1110 Daniel Ct. #50
Neenah, WI 54956
(920) 426-6823
jsmith@eaa.org

Dues are payable as of Jan. 1st & must be received before March 31st (to avoid being dropped from the Chapter membership).

EAA Chapter 252 Board of Directors Meeting

These meetings are open to ANYONE in the Chapter membership who is interested in attending.

January 31, 2013

Location: Chapter Hangar

Current Board Members present: Brian Cooper, Dennis Moehn, Fred Stadler, Randy Novak, Jim Casper, Wayne Daniels.

Plus Members present: Terry Novak, Juergen Otte, Al Follendorf, Janet Davidson.

Proceedings

- 1) Meeting called to order at approx. 5:30 P.M. by Brian Cooper.
- 2) Wayne Daniels provided an update on the hangar purchase preparations, including documentation, fund raising, discussions with attorney, etc.
 - a) Wayne reported the attorney Tom Jensen was expected to charge \$600.00 for his services.
- 3) The Hangar Committee reported achieving the Phase 1 fund raising target. The Board unanimously approved the hangar purchase.
- 4) Discussion around the fee for lifetime membership in the Chapter. The Board recommended that the cost for Chapter lifetime membership be established as 15X the current annual dues rate for annual membership in effect at the time of payment (i.e. $15 \times 20 = \$300$). Note- per the by-laws this should be voted on by the general membership.
- 5) The Board approved a recommendation to amend the Chapter By-laws to permit/reference lifetime Chapter membership.
- 6) Randy recommended that Chapter Flight and Technical advisors who wish to remain "active" participate by providing a Chapter meeting or newsletter presentation. Dennis to contact the advisors.
- 7) Discussed Fly-in breakfast dates for 2013. Dates need to be established for the event calendars.
 - a) The Board recommended April 13th for the Wittman Birthday. Wayne Daniels agreed to be the fly-in coordinator. Location to be determined. Brian will talk to Peter Moll. The Board may not be interested if a fee is to be charged. Other locations were discussed.
 - b) The Board recommended September 14th for the fall fly-in.

Fly-in coordinator and location TBD.

- c) Jim Casper recommended a 3rd fly-in date for July, about 2 weeks prior to AirVenture.

8) Action Items:

- a) Brian Cooper to talk to airport manager Peter Moll about use of the terminal for the Chapter fly-ins.
- b) Randy to publish a notice in the newsletter for the by-laws amendment to reference lifetime membership.

Meeting was adjourned at approximately 7:30 P.M.

Minutes submitted by acting Secretary Randy Novak

Hangar Fund Capital Campaign

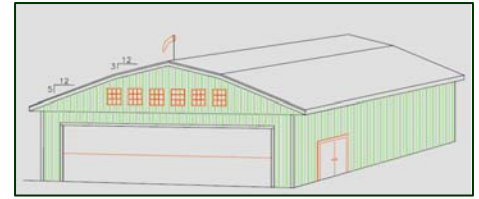
By Chapter Treasurer Fred Stadler

The capital campaign to support the purchase of a chapter hangar has reached its first objective. Through the generosity of many donors, enough money was raised to boost the Chapter treasury to the level needed to purchase the hangar and meet expected first year operating costs. As of the first week in February, donations added a total of \$11,620 to the chapter's hangar fund.

Wayne Daniels is heading up the campaign, which was established early this year. The campaign is continuing, with the objective of supporting hangar improvements, including kitchen and bathroom facilities. Donors to the campaign will be recognized with a permanent plaque in the hangar.

Our thanks go to all of the initial donors:

John Monnett, Russell Brodtke, Sam Wiltzius, Basler Turbo Conversions and Basler Flight Service, Brian Cooper, Jim Casper, Wayne Daniels, Charlie Becker, Dennis Moehn, Robert Bernstein MD, Brian O'Lena, Doug Osterberg, Gary Geisler, J.T. Meidl, Jack Pelton, Jim Streblov, NewView Technology, Richard Graeber, Vern Brusewitz.



Hangar Happenings

By Hangar Manager Wayne Daniels

Congratulations to Chapter 252 members!!! At the January Chapter Board Meeting we determined that we have successfully completed Phase I of the Capital Campaign to raise the additional funds needed to purchase the Davidson/Smith Hangar on Wittman Field. Our treasurer wrote a check for the balance of the purchase and presented it to Janet Davidson. So that means that the "Steve Wittman Chapter" now has an official presence on Wittman Field! Thanks to all who made this possible through the campaign as well as many years of pancake breakfasts and other fund raising opportunities.

We are now in the early stages of Phase II of the Capital Campaign, which will generate funds for upgrades to the building. This will include restrooms, a kitchen, and storage so that we will have a fully functional Chapter Headquarters, enabling future activities such as mentoring area youth through programs like a proposed Aviation Explorer Post. This will be an asset to Chapter 252, Wittman Field and the Oshkosh community.

As mentioned we are now in Phase II and still actively seeking donations to the Capital Campaign, participation in our Pancake Breakfast and other opportunities to fund OUR Chapter Headquarters. Thanks to all who have participated and if you haven't yet, please consider donating your time and/or a financial contribution.

While Janet and Adam have a few items remaining in the hangar until their relocation to Fredrick MD, we will be making our Chapter home personalized. Please respect property in the hangar that does not belong to the Chapter. When the weather improves (they claim it will!) we plan to have a hangar dedication, in the mean time please join us there for future Chapter meetings!



Report on the
**Winnebago County
 Aviation Committee
 Meeting**
 of 2/13/2013.

As a rule, the monthly Wittman Airport Aviation Committee meeting is held on the first Wednesday of each month. Due to scheduling conflicts the February meeting was pushed back one week, and so will not be covered in this issue.

However, rather than just read about – you can participate! This month’s meeting is scheduled for **February 13th, 8:00 A.M., in the Wittman Airport terminal building.** The meeting is open to the public.

NOTE – this month Chapter 252’s hangar purchase and lease assignment is on the agenda.

Historically, the Committee meetings have been subject to reschedule or cancellation. We recommend you do confirm the meeting time and location by visiting the county website at:
<http://www.co.winnebago.wi.us/county-clerk/meetings>

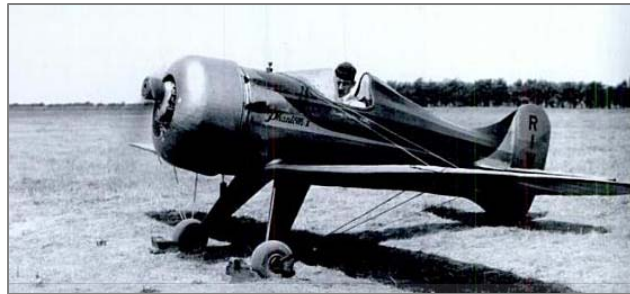
**Is Your Airplane
 or Project Pictured
 On Chapter 252’s
 Website?**



The Chapter would like to continue adding pictures of members’ aircraft on the Chapter Website at:
www.252.eaachapter.org.

To enable us to accomplish this, please e-mail a photo of your airplane(s) or airplane project to:
Classicair.novak@gmail.com.

This Month In Aviation History



“Pobjoy Special” with Danny Fowlie

February 14, 1934 – In New Orleans, LA, S.J. Wittman sets a 100 km world speed record of 137.513 mph for aircraft less than 440 pounds while flying the Wittman Special (Nicholas Beazley “Pobjoy Special” Phantom I). In the 1934 Cleveland Races, Wittman won all races in the 200 cu.in. class with the aircraft. In 1935 the aircraft was still a class winner under it’s new owner Percy Chaffee.

In 1930 the aircraft had been designed by Robert T. Jones and built by Claude Flagg and H.F. Landis. Originally it was thought the aircraft would be capable of 200 m.p.h. However, the aircraft did not meet initial expectations when first raced in 1930. However, pilot Danny Fowlie did

win 3rd place despite a engine/prop mismatch.

The airplane had been purchased by Wittman in 1932 and with a little work he had success racing it in the 200 cu. in. displacement Class – which was discontinued in 1936. After WW II John Reaver entered the modified aircraft, the “Reaver Special”, as a Goodyear Formula One racer.

The Pobjoy Special is believed to be the only racing airplane in which Wittman competed, that he had not designed and built himself. Reportedly, an unnamed Air Commerce Inspector actually paid for the airplane, but had Wittman race it.



Danny Fowlie



A replica of the “Special” is on display at EAA’s Pioneer Airport.

**FAA Video Promotes
 Careers in Aviation Maintenance**

As writer Budd Davisson put it so well in a recent Sport Aviation article – “...the FAA is neither the boogeyman nor an obstacle.”

After all, their purpose for existing is to promote the aviation industry – in a safe and responsible manner, and the last part is where some of us end up butting heads with them.

Regardless, the FAA is an integral part of the aviation industry and they have a vested interest in it’s future.

A few weeks ago Fred Stadler wrote to tell us about a recent FAA video intended to entice young people to consider careers in aviation maintenance, and could cover

manufacturing as well.

The video was filmed mostly during AirVenture last summer, and took good advantage of the KidVenture project at Pioneer Airport.

We might think that some of the statements made in the video are extremely optimistic. Still, it is very encouraging to see someone trying to promote careers in aviation maintenance.

The video can be viewed at:
<http://www.faa.gov/tv/?mediaId=591>

While you’re on the website, check out some of their other videos, - and pass the information along!

- Wittman Airport News - Promoting Wittman Airport Operations



- Flight training, single & multi-engine, Sport Pilot, Private Pilot, Professional.

Contact them at:
540 Aviation Road
920/426-3131
www.aviationservicescompany.com/



- Local source for aircraft materials, hardware, & special services.

Contact Information:
255 West 35th
Randy Myers, 920/236-7820
www.baslerturbo.com

FourPoints



TELEVISION
PRODUCTIONS

Nothing new reported, but check out their website at:
www.fourpointstv.com/FourPoints_TV/Home.html

MYERS AVIATION

- Major & Minor Repairs, Inspections.
- Local source for used aircraft parts.
- Aircraft Salvage and Recovery.

Contact Information:
545 Aviation Way
920/231-9772
www.myersaviation.com/



- Window Restoration
- Pitot-Static/Altimeter Certification/Transponder Certification
- Annual /100 hour Inspections/Repairs

Contact them at:
819 20th Ave.
877/303-0709
www.newviewtech.com/index.html



- Local source for some aircraft materials (6061T6 alum sheet), and parts unique to Sonex aircraft instruction.

Contact them at:
511 Aviation Road
920/231-8297
www.sonexaircraft.com/



Winnebago Flying Club

Congratulations to Brendan Stormo on his first solo flight in Winnebago Flying Club's Cessna 172, N7770G, on January 14 at 12:35 p.m.! Brendan's flight instructor is John Dorcey.

WFC members Sam Wiltzius and John Forster flew to Janesville on the morning of January 26th to meet with Adam Smith and representatives of various Wisconsin and Illinois flying clubs to discuss ways to promote the benefits of club membership.

Contact Information:
info@winnebagoflyingclub.com
www.winnebagoflyingclub.com/



Wittman Airport's Writing Contest For Area Students

Wittman Airport is once again conducting a "What's Your Story" writing contest for area students. It is their objective to engage area youth in an aviation related activity.

The students are requested to write a description of their first, or favorite aviation experience. It could be written as a poem, a short story, or a first-person experience – the

format and style is the writers choice. The only restriction is that it be less than 500 words (that would be a short story...) and it be provided electronically by the 6:00 P.M. February 28th deadline.

The contest is held in 2 categories: High School, and Grade School (grades 3 through 8). Winners will be notified/announced by March 8th. **First-prize** winner in both the *High-School & Grade 3-8 category* will win a one free hour's time in a new Redbird Flight Simulator courtesy of Fox Valley Technical College. **Second-prize** winners in both categories will receive a \$35 Visa



2012 winners with coordinator Robert Mark and Airport Manager Peter Moll.

gift card. **Third-prize** winners receive a \$20 Visa gift card. Gift cards courtesy of Wittman Regional Airport.

Grade-school entries will be judged on the basis of originality. High school entries will be judged on the basis of originality, as well as writing style, and proper use of grammar.

The winners will have their stories published on the Wittman Regional Airport website's blog, Twitter feed and Facebook pages. The winners will also be invited to award ceremonies at the airport on March 12th and a Oshkosh School Board meeting on March 13th.

If you know of a student who might be interested in participating you should go to the contest website at :

<http://www.wittmanairport.com/whats-your-story/> for the full contest details and instructions.

Submissions or questions must be e-mailed to **Rob Mark** at: rmark@wittmanairport.com. Contest submissions must include the author's name, street address, telephone number, school and teacher's name, as well as an e-mail address. The author's name must also be printed on the first page of the story.



- Shop Talk -

For Mechanics, and Those Who Want To Be - with Ramblin's Mixed In

Heating of Aluminum Rivets –

Not too long ago a couple of amateur builders were talking about the pros & cons of working with solid aluminum rivets. One of them mentioned how he would heat them up in an oven to make them easier to drive (eek!). A few other people listening to the conversation advised that in general, that was probably not a good idea. Here is why...

Regarding solid rivets (vs. pop rivets) homebuilders are unlikely to be dealing with anything other than the common AD 2117 alloy type of rivets. While 2117 is a heat treatable alloy, the rivets are intended primarily to be used in the “as received” condition. They could be re-heat treated, but it usually requires equipment and some information that many homebuilders would not usually have access to.

The concern is - trying to do something like heat-treating under uncontrolled conditions. Heating the aluminum alloy in your kitchen oven would likely soften them (as the builder was intending) to some unknown condition, reducing their strength. If you want to soften them to make them easier to use on non-structural parts, fairings, etc – then that might be OK. But it usually needs to be avoided for structural assemblies, for a couple of reasons.

Referencing AC 43.13-1B, par 4-54b; the long standing best practice is stated as: “Reheating at Temperature above Boiling water. Reheating of 2017 and 2024 alloys (remember, 2117 is intended to be used as received, but the heat treat requirements are almost identical to 2017) above 212°F tend to impair the original heat treatment. Therefore, reheating above 212°F, including the baking of primers, is not acceptable without subsequent complete and correct heat treatment.”

Another concern is how uncontrolled or improper heat treatment can affect the corrosion resistance of the alloy. In another section AC 43.13-1B, par 4-58i states: “Do not apply local heating to facilitate bending, swaging, flattening, or expanding operations of heat-treated aluminum alloy members, as it is difficult to control the temperatures closely enough to prevent possible damage to the metal, and it may impair its corrosion resistance” (I have witnessed several examples of the intergranular corrosion that can result on older North American and Cessna aircraft).

Again, if you are employing this practice on a non-structural part, then it is likely not a big concern for you.

The short answer to a question like this usually is – use the hardware and materials as they were intended to be used.



Clamp On Current Probe –

Here is a handy addition for your tool box, an electrical multi-meter type of tool that includes a clamp-on DC current probe.

The advantage of this type of tool, for electrical system troubleshooting, is that you do not have to break the electrical circuit to measure current flow. This is a distinct advantage over the traditional multi-meter.

Recently, a mechanic that I know used one of the these to good advantage when trying to determine why an electric fuel pump circuit kept blowing its fuse. Obviously there was an intermittent short somewhere, but was it in the harness, the relay controlling the pump, or the pump motor itself?



By using the clamp on type of current measuring device a mechanic can check along the length of the circuit to help determine the source of the short – without breaking into and disturbing the circuit itself.

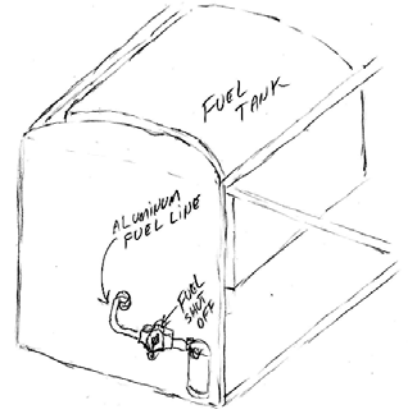
The one pictured is an example of a typical design, and they are available under many brands – some at reasonable prices (as low as \$50). NOTE – make sure you buy one that can measure DC (Direct Current) amperage. Many inexpensive models are intended for use by household or commercial electricians and will only measure AC (Alternating Current) amperage, and that would not be of much help when working on your aircrafts 12 or 24 volt DC system.

Basic Aircraft Fuel System Safety –

A while ago, while inspecting a homebuilt before it's initial flight, I noticed something that made me feel a little uncomfortable about where the fuel shutoff valve was located.

Picture this, a very traditional type of fuel tank installation in the fuselage, just behind the firewall. The aluminum fuel line was

routed from the bottom of the fuel tank , horizontal forward to pass through the firewall. After a 90-degree turn it went about another 6 inches or so before reaching the main fuel shut off, located on the front side of the firewall. The shut off valve shaft passed back through the



firewall and was operated remotely by a push-pull cable. The system functioned just fine.

My concern was – if there was an engine fire (maybe something as simple as an exhaust system failure), and the fuel line between the firewall and the shut off valve failed from the heat, the result could be a major fuel leak into the engine compartment and the pilot would not be able to turn the fuel off. Not a good situation.

The builder and I discussed the installation, and I recommend the fuel shut off be relocated to the aft side of the firewall, the more common location for this type of system. That way - fuel flow to the lines forward of the firewall could be shut off in an emergency.

Unfortunately, the builder was convinced it was of no concern as the DAR had already issued the airworthiness certificate for the airplane.



CELEBRATION OF FLIGHT!



EAA Chapter 252 invites you to join us at our

Annual Community Banquet

The 2013 banquet was another good success thanks primarily to the planning of Janet Davidson and Jane Smith!

We had about 100 members and guests in attendance with us in the EAA Eagle Hangar, a nice location for this type of event.



Hal Bryan was the M.C. and did a good job at keeping the program moving along.



President Brian Cooper recognized past officers and advisors for their



Mike Butler at the silent auction table.



The featured speaker was Mechanic/Pilot Andrew King, who came to us from Virginia to speak about his experiences with antique and unique aircraft.

John Monnett Recipient of the 2013 Chapter 252 ELO Award

The annual Chapter 252 ELO award was created to pay tribute to an individual who has made significant contributions to aviation in the Oshkosh area. ELO is short for ELO International Aerodrome, otherwise known as Munsil Williams' landing strip. For a long time, pilots and builders used to gather each Saturday morning in the office area of Bill Brennands FBO in Neenah. When the operation closed, the clan moved over to Munsil's shop on his farm strip (an ideal location), and it has been there ever since. Thanks to the graciousness of Munsil and his wife Shirley (since passed on, sadly) – the gathering grew to become recognized as THE place to go on Saturday mornings to visit with fellow aviators. The first ELO award was presented in 2004, to none other than Munsil Williams.

What is an ELO? Elo is an unincorporated community located in the town of Utica – in the area of Munsil's farm.

For 2013 the Chapter's Board of Directors selected John Monnett as the recipient. The Monnett family has operated several aviation



John Monnett as the featured speaker during last year's 2012 Chapter 252 Celebration of Flight banquet.

businesses on Wittman Airport for most of the past 30 years. Sonex is managed primarily by John's son, Jeremy, and has provided several local builders with easy access to a fine sport aircraft kit, while other builders use Sonex as a source of parts and materials. The Sonex facility has also been used frequently to host past Chapter 252 meetings.

The award was presented during the Chapter Banquet on January 26th. John could not be present as he was in the hospital recovering from a minor surgery. However, his son Jeremy was present and put his dad on the phone! The whole process worked out very well, and contributed to an interesting



Jeremy holds his cell phone up to the microphone. Joe Norris is holding John Monnett's ELO Award.

evening for those attending the Chapter's annual Celebration of Flight banquet. For several years now the banquet has been held in the EAA HQ facility. Attendance is not restricted to Chapter members.

Past ELO Award Recipients:

Munsil Williams
Norm Peterson
Gene Chase
Doc Mosher
Jim Casper
Audrey Poberezny
George Rotter
Bill Brennand
Paul Poberezny
John Monnett

Sport Aviation Association



Anyone interested in membership in the SAA may become a member online at: www.sportaviationassociation.org
For additional information you can contact President Ed Fisher by e-mail at:

Raceair77@gmail.com

Or postal mail at:
Sport Aviation Association
361 Whiteplains Place
Gilbert, SC 29054

There are no prescribed dues, but donations are welcome. A quarterly magazine is provided.

January Chapter 252 Meeting



Steve Lirely speaks about Aviation Exploring.



Jim Casper leads a presentation by Will Schaick and Bob Sonnleitner about the history of EAA's cutdown VW Beetles.

The January 10th meeting was held at Janet Davidson's hangar with about 38 members and guests present. President Brian Cooper started the meeting with introductions of any guests.

Introductions were followed by a brief presentation of the Aviation Exploring program provided by Mr. Steve Lirely, a local representative for the program. He was there to encourage the Chapter to sponsor a Post for the Oshkosh area.

Scanning the Internet tells us that Aviation Exploring is a division of the Learning for Life program, a newer, non-traditional subsidiary of the Boy Scouts of America. Learning for Life is an organization based out of Irving, Texas that markets programs in about 12 different career fields, one of them being aviation. It is described as typically a school and work-site based curriculum that is designed for community-based organizations to help prepare and mentor youths in career opportunities, life skills, citizenship, and leadership experience. This is not the same Boy Scouts of American Exploring program that many of us knew in our youth. The Learning for Life organization does not use the traditional Boy Scout rules, uniforms, or insignia.

Janet Davidson provided an update on the upcoming Chapter Banquet on January 26th, repeating the need for volunteers to help with preparation, and reminding everyone to send their reservations and payment to her. She also asked for members to help promote the event by hanging advertising flyers up around town – copies were available at the meeting.

Jim Casper reminded everyone of the January 19th ski fly-in at Pioneer Airport, to be held regardless of the snow

conditions.

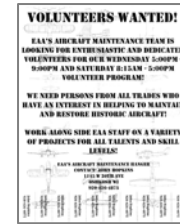
Wayne Daniels talked about the upcoming EAA SportAire workshops and how the Chapter has committed to providing the lunches for participants, as a fundraiser. Help is needed and those interested should contact Wayne.

Wayne Daniels provided a status update on the Chapter hangar project, and talked about the need for volunteers to help serve on the Hangar Committee, offering to sign people up that night. He also described the 2-phase fund raising program. Phase 1 being to raise the initial funds to complete the purchase and meet anticipated expenses for the first year of operation. He noted that Phase 1 has a deadline of January 31st, and if the objective is not met, the purchase of the hangar will be cancelled. Wayne had fund raising promotional materials available to hand out, and offered to accept donations that evening.

Fred Stadler passed around handouts announcing that John Hopkins of the EAA Weeks Hangar is looking for volunteers to work Wednesday evenings and all day Saturday.

The featured presentation of the evening was Jim Casper leading a discussion from Will Schaick and Bob Sonnleitner about the cut down VW Beetles that EAA has been using for about 40 years to help manage the fly-in site. Paul Poberezny's "Red One" was brought into the hangar as the centerpiece of the presentation.

Bob is a long time Oshkosh area auto-body mechanic who was involved in the customizing of the cars. He had originally drawn up instructions on how the work was to be accomplished, and Will still had a copy - which was shared with the members.



See page 11 for a full size copy of Fred Stadler's handout.

The guys related some amusing stories regarding the evolution of "Red One", reporting that the car in the hangar that night was actually the 3rd version of "Red One", while the first two versions, including the very first example, are still being used by Flight Line Ops during AirVenture. The cars carry some basic safety equipment, a large fire extinguisher in the back seat area is the result of a mid-1970's aircraft fire on the field. They also talked about a unique example of the car that had been modified for applying herbicide to the fly-in site to create the striping in the grass needed for the aircraft and auto parking areas.

Will reported that 1967 model year and later cars were purchased for the conversion. Most of them needed work and replacement parts. "Barney's" was a local used car VW specialist shop that provided a lot of the salvage parts. EAA at one time had just over 30 examples of the car. At this time all have accumulated many miles and years of usage and are now being rotated through a rebuild program where about 3 cars per year are being re-furbished.

It was a very interesting presentation that included some unique local history.

EAA Chapter 252
- Airplane Spoken Here -

VOLUNTEERS WANTED!

**EAA'S AIRCRAFT MAINTENANCE TEAM IS
LOOKING FOR ENTHUSIASTIC AND DEDICATED
VOLUNTEERS FOR OUR WEDNESDAY 5:00PM -
9:00PM AND SATURDAY 8:15AM - 5:00PM
VOLUNTEER PROGRAM!**

**WE NEED PERSONS FROM ALL TRADES WHO
HAVE AN INTEREST IN HELPING TO MAINTAIN
AND RESTORE HISTORIC AIRCRAFT!**

**WORK ALONG SIDE EAA STAFF ON A VARIETY
OF PROJECTS FOR ALL TALENTS AND SKILL
LEVELS!**

EAA'S AIRCRAFT MAINTENANCE HANGER

CONTACT: JOHN HOPKINS

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Oshkosh, WI 54901

*Based in Oshkosh, WI
A Part of the Aviation
Community in Oshkosh
and the Surrounding Area
Since 1965*

Join EAA Chapter 252
Membership \$20.00/yr.
Payment By Check Preferred,
(Payable to EAA Chapter 252)
Chapter Secretary, Jane Smith
1110 Daniel Ct. #50
Neenah, WI 54956
(920) 426-6823 jsmith@eaa.org

EAA Chapter 252 - Our Mission Statement

A 501c3 non-profit social organization intended to honor the aviation legacy of S.J. Wittman through the promotion of recreational aviation in the Oshkosh and surrounding area. To promote aviation growth & safety through aviation oriented youth programs, public outreach, and member education.

What's In It For Me?

The opportunity to:

- Participate in a family oriented organization where everyone shares a common interest.
- Learn from your fellow members.

To Learn More About Us

Contact the officers shown below, or visit the Chapter 252 website at www.252.eaachapter.org. On the website you'll be able to view our past newsletters, check out our calendar of events, and follow links to other related sites.

Attend one of our monthly meetings. Usually scheduled for the 2nd Thursdays at various locations. Chapter meetings typically feature guest speakers and other special programs of interest.

To Apply For Membership

Chapter 252's success is due to the quality of it's members. If you would like to join us please return this information, or request a full application form.

Name - _____

Spouse's Name - _____

Street Address - _____

City - _____ State - _____

Daytime Phone - _____

Evening Phone - _____

E-mail Address - _____

EAA #, & Expiration - _____

Active Pilot? – Yes, No. Ratings - _____

Aircraft Owned - _____

Restoring/Building? - _____

What Chapter Activities Interest You? - _____