

EAGLE'S PROPWASH

MARCH 2015 ISSUE

CHAPTER 113 *"The Backyard Eagles"*



Meetings: 7:30 PM

the 3rd Thursday of each month

at the **EAA 113 AVIATION
EDUCATION CENTER**

Mettetal Airport (1D2)

8550 Lilley Road, Canton, MI

www.113.eaachapter.org

EAA113@yahoo.com



John Maxfield's Funk B85C (N1654N) landing RW18, Mettetal Airport

Photo Courtesy of Shunsuke Shibata

Member Services

Class I Board of Directors:

President: John Maxfield (248) 890-6767

Vice President: Shahar Golan (248) 767-6630

Secretary: Debbie Forsman (734) 397-3452

Treasurer: Grant Cook (734) 223-2688

Class II Board Members:

Al Bosonetto (734) 261-5518

Bill Brown (734) 420-2733

Dave Buck (734) 453-5375

Lou Lambert (734) 207-7986

Mike Scovel (734) 462-1176

Library: Barb Cook (734) 277-3469

Newsletter: Elizabeth Hebron (734) 776-9294

Class III Board Member:

Tom Smith (734) 459-9654

Membership Committee:

Al Bosonetto, Dave Buck, John Maxfield

Dues: Grant Cook (734) 223-2688

Technical Counselors:

Randy Hebron (734) 326-7659

Dan Valle (313) 539-9818

Flight Advisors:

John Maxfield (248) 890-6767

Dan Valle (313) 539-9818

Scholarships:

Elizabeth Hebron (734) 776-9294

Jim Trick (517) 546-3944

Young Eagles/Eagle Flights:

Debbie Forsman (734) 397-3452

Dave James (734) 721-4213

Refreshments:

Joe Griffin (734) 455-3107

Webmaster: John Maxfield

webmaster@eaa113.org

Aviation Center Management Committee:

Al Bosonetto (734) 261-5518

Dave Buck (734) 453-5375

Bill Brown (734) 420-2733

Jim Morency (248) 981-8127

Pat Trevas (734) 416-3955



CHAPTER MISSION STATEMENT:

“EAA Chapter 113’s major focus is on the relationships with people who have diverse aviation interests, centered around their love of flight, fellowship, learning, and fun.”

Chapter members have a passion for flying and are willing to share it with others.

Chapter 113 provides the opportunity for exchange of information, as well as the interaction that leads to friendships that last a lifetime.”

BOARD OF DIRECTORS:

“The Board of Directors are to provide both advice and assistance to the chapter officers on an ongoing basis.”



PRESIDENT'S *PODIUM*

John Maxfield (248) 890-6767
avee8rrr@yahoo.com
March 2015

It is great to see airplanes in the sunny skies these last days of February. I was able to get the Sonex out and do some more Phase 1 Testing recently, which is good therapy for the winter Blahs! And while warm flying weather may still be far off, our annual Spring Awards Banquet is coming up quickly. Join us Saturday March 21st as we recognize two members for completing their projects. Dave James finished and flew his Bell 47-H and Tim Buechle completed the restoration of his Piper Super Cub. Tickets are \$30 per person and may be purchased through our web site <http://www.113.eaachapter.org> or from Debbie at 734-397-3452. Ed Rusch will be our guest speaker. Ed's personable, entertaining manner, promise to keep the evening light and interesting. Hurry, Friday March 13th is the last day tickets will be available at any price!

For those members that missed the February meeting, I'd like to share a proud moment with you. The WW II members of the Civil Air Patrol were awarded the Congressional Gold Medal late in 2014. My father, Orlo, was just such a CAP member and I was the proud recipient on behalf of my family. Again, I'd like to express our appreciation and gratitude for this recognition. In other Chapter News, Spencer St. Peter was recently awarded his Eagle Scout rank. Congratulations! Spencer led the effort to paint the compass rose on the ramp at Mettetal as a community service project for his Eagle Rank. I'd like to introduce the Chapter's newest member, Chris Wilde. Chris recently moved here from California and is eager to start building an RV-14 soon. Welcome to EAA Chapter 113 Chris! Also, a last minute welcome to Harry Kuribayashi. Harry has already started contributing to our Chapter by repairing the broken plastic models in the Meeting Room display case. Welome, Harry!

EAA will bring homebuilding front and center again this year during AirVenture. Five sets of wings from different kit manufacturers will be built during the week and given to Chapters interested in completing the airframe as a Chapter project. Like last year's One Week Wonder, everyone is encouraged to get involved by stopping by and pulling a rivet. Chapters interested in finishing these kit planes and forming a flying club to own it, need to apply soon. If that sounds like something you're interested in, I'd like to hear from you. My contact information is at the front of this newsletter.

Also, EAA asks our help in supporting the Pilots Bill of Rights 2, including the elimination of the 3rd class medical for private pilots. Literally, with just a couple of mouse clicks here at <http://govt.eaa.org> and by entering your zip code, you're able to send an electronic letter to your District's House Representative and both Senators. It takes only three minutes to ask Washington to support this legislation, give it a try and help GA get going again.

This is the last and final call for 2015 EAA Chapter 113 Scholarship and Air Academy applications. Applications must be returned by March 22nd to be considered. Find them by clicking the scholarship button on our website, www.113.eaachapter.org.

This month's meeting program is still being finalized. Of course we'll have the monthly EAA Chapter Video from Oshkosh. Stay up to date with EAA 113 at www.113.eaachapter.org and follow us on Facebook!

Happy Landings
John Maxfield



PAULSON AVIATION & HISTORY LIBRARY

Barb Cook (734) 277-3469

barb@armipay.com

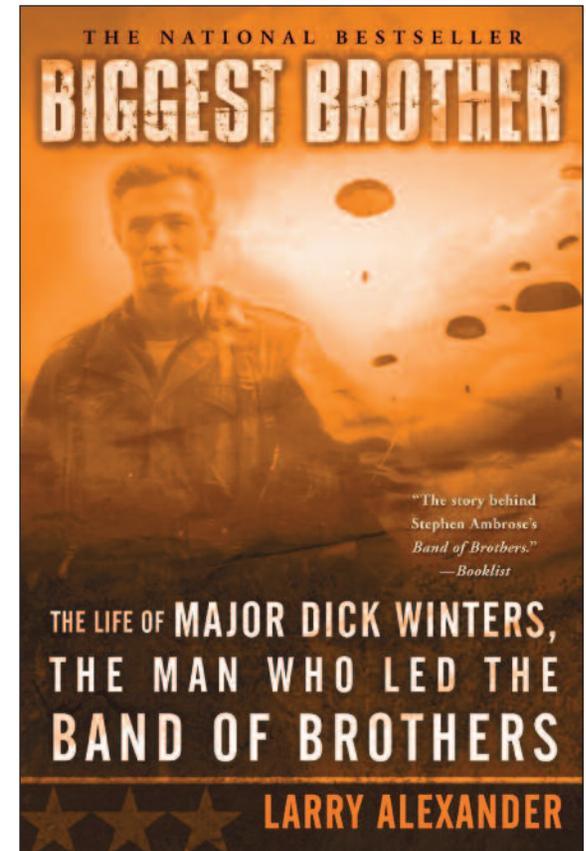
March 2015

The BIGGEST BROTHER; the Life of Major Dick Winters, the Man who led the Band of Brothers by Larry Alexander. Caliber Press, 2005. Gift of Andy Folgmann. Shelf # 940.54 2142 ALEX

"They were Easy Company, 101st Army Airborne [Infantry] - a fighting unit whose members became legendary in the annals of WWII combat for their bravery, their ability to get the job done against nearly insurmountable odds, and their unswerving loyalty to one another in the face of death." Major Winters was the one man every soldier in the company looked to for leadership, guidance, and courage. (Fly leaf)

The preface is written by Damian Lewis. Yes, the British actor who had the honor to play the Major in the HBO TV series *Band of Brothers*, based on Stephen Ambrose's book of 1992. (Lewis went on to play Sgt. Brody in the Showtime TV series, *Homeland*, 2011-2014.) This book also includes several appendices, 8 pages of black/white photos, a short Bibliography, and an extensive Index.

While being, admittedly, a major fan of any history book touching on the subject of The Battle of the Bulge, or anything related to Stephen Ambrose's writings, I am really enjoying this book. You can eMail me to get on the list to read it next!





Flying into Spring

EAA 113's Annual Awards Banquet



Date: Saturday, March 21st

Location: EAA 113 Aviation Center

Time: Gathering at 6:30 p.m. and Dinner at 7:00 p.m.

Tickets: \$30.00 each ~ **HOWEVER: The cut off to purchase your tickets is by 4:00 p.m. on Friday, March 13th.**

Purchase online at www.113.eaachapter.org by using the "Tickets" icon on the bottom left of the homepage or call Debbie at 734-397-3452.

Join us!!!



HELP WANTED:

We are looking for donations for our Silent Auction at this year's Annual Banquet. We are seeking both aviation related items and other varied goodies!

Please check with your favorite local restaurant or store and see if they might be willing to give a donation of a gift card or merchandise. Let them know we will gladly list their sponsorship.

Also, perhaps you have some aviation collectibles or antiques that you no longer have the space for or the desire to hang on to. This way, you know your things will go to a good home! A few of these types of items last year quickly became engulfed in bidding wars!

Please help make this year's auction worthwhile and exciting!

Notify Debbie with any donations. Thank You!!

FAA Safety Team | Safer Skies Through Education
AMT Insights – “Oh @#%\$!!, Where’s the stinking Master Switch?”
Notice Number: NOTC5834

As an A&P/Avionics/Electronics instructor, I share stories from my personal experiences, both good and bad.

Question: How many times have you:

1. Removed the ignition key from the ignition switch?
2. Placed the key on top of the instrument panel (for all to see), thereby insuring that the engine/propeller is safe to work around?

News flash, that part about SAFE isn’t guaranteed!

One day a fellow technician and I were working on a very nice Mooney M20. While he finished re-cowling, I decided to check a squawk on the eyebrow lighting in the instrument panel. I located the “Master Switch” and moved it to the “On” position. That was a really stupid thing to do. When the “Master Switch” moved to the “On” position the engine/propeller came to life! It took at least three propeller blades before I could reach back across the aircraft and turn the “Master Switch” to “Off”. Luckily my partner had completed working around the prop. He had just stepped through the propeller arc when it began moving. The propeller just barely missed his head, but it didn’t miss him completely. There was a long cut on his right arm. I’ll never forget the look on his face as he asked, “Why Rick – Why did you do that?”

The starter solenoid had failed on the last engine run. The failed solenoid would engage the starter any time electrical power was applied to the buss. It’s rare but, it happens. We work around aircraft that have power applied to them all the time in the hanger. We get away with it – MOST OF THE TIME, but not always.

The last sentence of FAA, AC 91-42D, Chapter 7 Aircraft Service Personnel, paragraph (f) says, “Faulty diodes in aircraft electrical systems have caused starters to engage when external power was applied regardless of the switch position.” And, I can verify this is true!

Be vigilant, be careful and Blue Skies.

Want to learn more? Download AC 91-42D

http://www.faa.gov/regulations_policies/advisory_circulars/index.cfm/go/document.information/documentid/23159

Rickey D. Hestilow

2015 National Avionics Technician of the Year

rick@ncatt.org

For more information on the GA Awards program go to:

<http://www.generalaviationawards.org/>

Aid for Judging the Apparent Size of Aircraft

Print this sheet, cut out the 3 X 5 reference card, and fold it in half on the dotted line. Measure the calibration mark on the bottom and see if it measures one inch. View the card from 18 inches if the line measures one inch. If not, multiply the standard viewing distance (18") by the length of the line. That should be your correct viewing distance for the card (example: line length = 0.8 inches. $18 \times 0.8 = 14.4$ "; In this case your viewing distance would be 14.4 inches).

Mark Batty from our chapter provided me this interesting attachment that would be nice to share with others. It reveals just how difficult it is to spot another aircraft at various distances.

To see a better, printable copy, please go to:
https://www.faa.gov/air_traffic_control/operations_dept/2006/Oct/6955/Visual%20Aid%20for%20Air%20craft%20Spotting.pdf

Dan Jones

Know what to look for!
Approximate appearance of an airliner
and a small single engine aircraft
(view at a distance of 18")

2 Miles 1 Mile 1/2 Mile



Front

← Fold Here

Back

To quickly detect traffic, pilots should know the apparent size of aircraft at various distances. This card can be used as a reference in the cockpit and to help pilots learn target size.

To view the card, hold it at a distance of 18 inches from the eyes. The sizes of the images approximate those produced by actual aircraft (a Cessna 172, and an Airbus 320). These aircraft were chosen as examples of small aircraft and airliners.

Note that the actual appearance and visibility of real aircraft will vary with color, weather, direction of travel, type of aircraft and other factors.

Developed by Dr. Michael Crognale; Send any questions or comments regarding this aid to: Dr. Crognale (mikro@unr.edu); or The Federal Aviation Administration, General Aviation and Commercial Division; (AFS-800), Room 835, 800 Independence Avenue, S.W., Washington, DC 20591, Phone: 202-267-8212; or General Aviation Human Factors Program Manager (william.krebs@faa.gov).

Cut Out 

CHAPTER 113 MEMBER NEWS



Photo Courtesy of Mark Curley

Mark Curley's project is a Van's RV-6 that he has been working on for about a year and a half now. Here is a shot of the fuselage on an adapted engine stand to allow rotating the fuse to get to the inside easier. Next step is installing the top skins. Each step makes it look more like an airplane and less like a pile of parts!

New member Harry Kuribayashi filling in an application form.
Photo Courtesy of Shunsuke Shibata





Harry Kuribayashi repairing GeeBee Racer model.
Photos Courtesy of Shunsuke Shibata

Harry Kuribayashi lives in West Bloomfield with his family. Harry and his 2 boys are plastic model airplane builders. Harry and Ryo's 1st visit to EAA113 Aviation Center was in December. They enjoyed the visit and valued our Paulson Library because of the volume of WW II fighters and bombers documents.

They also saw some of our model planes on the shelves in the meeting room were broken. Harry filled out the application form yesterday (2.28.15) and also he brought in glue and repaired most of the broken models.



Harry and Ryo Kuribayashi inside the Mike Scovel's "Cave".

EAA CHAPTER 113's CHILI FLY-IN
7 FEBRUARY 2015



Photos Courtesy of Pat Trevas



PLEASE NOTE:

EAA Chapter 113 owns a significant inventory of tools, equipment, generic parts, supplies. Current EAA Chapter 113 Members are welcome to use them as needed. There is a sign out clipboard hanging on the wall at the workshop entrance, please sign the tool out and mark it returned when you bring it back. Liquid items such as solvents are stored in Yellow Hazardous Materials Cabinet. Other items are hanging on the pegboard walls; in unlocked tool boxes on the work benches; or in the grey metal cabinet labeled "EAA Chapter 113 Tools".

There is no need to sign out consumables and we understand they will eventually get used up. The Building Committee will address their replacement as the need arises.

Please Note: The grey cabinets Not Labeled "EAA Chapter 113 Tools" belong to individual members and are not to be accessed without permission of its owner.

SAVE THE DATES

March:	21st—Annual EAA 113 Banquet
April:	4th—Young Eagles 18th—Spring Cleaning Day 21-26th—Sun ‘n Fun
May:	2nd—Selfridge Airplane Wash 16th—Young Eagles
June:	21st—Father’s Day Pancake Breakfast
July:	20-26th—Oshkosh AirVenture
August:	15th—EAA 113 Family Picnic
September:	19th—Young Eagles
October:	24th—Young Eagles
November:	14th—Chili Fly-In
December:	4-5th—Operation Good Cheer 17th—Holiday Party

Parts

Cotter pins
O-Rings
Electrical terminal ends
Tie-wraps
Safety wire
Teflon tape

Liquids

MEK
Lacquer thinner
Mineral spirits
Aviation Hydraulic fluid (5606)
LPS Lubricants
RTV (various)
Silicone (various)
Aerosol glue
Magna flux/Zyglo Crack and leak detection kit
Anti-seize compound
Denatured alcohol
Acetone
Permitex thread lock
Lubriplate grease
Thermal compound
Solder and flux

Hand Tools

Clamps
Tap and die set (2)
Whitney punch
Cotton tipped applicators (non sterile swabs)
Instrument panel cutout dies 2 ¼ & 3 1/8
Variable speed jug saw
Hand held welder
Spark plug gauge
Spark plug gapping tool
Brake riveting tool (3)
Pipe crimper / fluting tool
Magneto synchronizer (Buzz Box)
Swivel head pop rivet tool (Hand operated)
Spark plug caddy
Spark plug sand blaster
Hack saw and extra blades
De-burring tool

37 deg. Flaring tool
Fuel sampler
Small acid brushes
Allen wrenches (metric and fraction)
Reamers – various sizes
Wire brushes – various sizes
Sandpaper – various grits
Nut driver set
Wire cutter/ crimper
Needle nose pliers
Side cutters
Combination Wrenches (metric and fraction)
Socket sets – ¼, 3/8, ½ inch drive
Screwdrivers – various sizes

Shop Tools & Equipment

Shear
Finger brake
Power hacksaw
Balance scale
Portable air tank
Adjustable metal saw horses
Scotch brite
Oil Absorbent “Pig” Blanket
Drills (Fraction, Number, and Letter sizes)
Drill doctor drill sharpener
Extension cords
Tape – various types and sizes
Velcro – 1” wide and circular “dots”
Grinder with wire wheel, polishing disc, scotch brite wheel, fine stone wheel, coarse stone wheel
Twine
Pipe + Tubing angle cutting jig
Ratcheting tie down straps (set of 4)
“C Frame” Dimpler
Funnels – various sizes
Parts bins - Plastic

To see original document, please go to:
<https://groups.yahoo.com/neo/groups/EAA113/files>
and scroll down to EAA Chapter 113 Tools & Equipment.

CHAPTER 113's PAULSON AVIATION & HISTORY LIBRARY



Photos Courtesy of Barb Cook

If you haven't visited our Paulson Aviation & History Library lately, come in and check out the new bookshelves. Our hard-working, dedicated Librarian, Barb Cook, has been busy laboriously moving books from the overcrowded shelves to their spacious new homes.

Here is an extra desk we can no longer fit in our chapter library.

Free to any member who has PAID their 2015 DUES.



EAA CHAPTER 113's ADOPT-A-PLANE SPONSORSHIP

Chapter 113 is scheduled to go to Selfridge Military Air Museum to wash the Beech SNB-5 Navigator on May 2, 2015.

Volunteers from the chapter are needed for this fun activity. The museum provides the wash cart and other equipment needed, and, as always, volunteers get free admission to the museum. To learn more about the museum go to: <http://www.selfridgeairmuseum.org/>

There is paperwork that must be completed ahead of time to obtain security clearance to get on the Selfridge ANG Base.

Please contact Randy Hebron at 734-560-2115 if you are interested in participating.

FROM JEFF HEBRON

This is a link to an interesting write-up (with moving graphics) explaining variable speed propellers sent by our pilot nephew, Jeff Hebron.
<http://www.boldmethod.com/learn-to-fly/aircraft-systems/how-a-constant-speed-prop-works/>

EDITOR'S NOTE

Please feel free to contact me with any comments or suggestions regarding this newsletter. I welcome all input!
Liz Hebron (734) 776-9294 email: liz.hebron@gmail.com

**Next Meeting : Thursday, March 19, 2015
7:30 PM at the EAA Aviation Education Center**

PLEASE SCROLL DOWN FOR MARCH AND APRIL CALENDARS.





March 2015

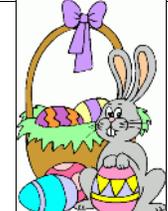


Sun	Mon	Tue	Wed	Thu	Fri	Sat
1  <i>Don't forget to buy your Banquet Tickets!</i>	2	3	4	5 EAA 113 Home Builders 7:30 pm	6 Movie Night 7:30 p.m. 	7 <i>Breakfast @ 3 Brothers 8:30 am</i>
8 <i>Daylight Savings Time Begins</i> 	9	10	11	12 EAA 113 Board Meeting 7:30 pm	13 <i>Last Day to buy Banquet Tickets!!</i> 	14 <i>Breakfast @ 3 Brothers 8:30 am</i>
15	16	17 <i>Happy St. Patrick's Day</i> 	18	19 EAA 113 General Meeting 7:30 pm	20 <i>1st Day of Spring</i>	21 <i>Breakfast @ 3 Brothers 8:30 am</i>  <i>EAA 113's Annual Awards Banquet</i> 
22  EAA 113 Scholarships Due Today!	23	24	25	26 EAA 113 Fly Safely Meeting 7:30 pm	27	28 <i>Breakfast @ 3 Brothers 8:30 am</i>
29	30	31		<i>"Keep an eye on those spring winds!"</i>		



April 2015



Sun	Mon	Tue	Wed	Thu	Fri	Sat
		<i>"Don't forget to check the weather before flying!!"</i>	1	2 EAA 113 Home Builders 7:30 pm	3	4 Breakfast @ 3 Brothers 8:30 am Young Eagles 9:00 a.m. 
5 <i>Happy Easter</i> 	6	7	8	9 EAA 113 Board Meeting 7:30 pm	10	11 Breakfast @ 3 Brothers 8:30 am
12	13	14	15	16 EAA 113 General Meeting 7:30 pm	17	18 Breakfast @ 3 Brothers 8:30 am Spring Cleaning Day 9:00 a.m. 
19 	20	21 <i>Sun 'n Fun thru 26th</i>	22 Earth Day 	23 EAA 113 Fly Safely Meeting 7:30 pm	24 	25 Breakfast @ 3 Brothers 8:30 am
26	27	28	29	30		

THAT'S ALL UNTIL NEXT MONTH LADIES AND GENTLEMEN!