

EAGLE'S PROPWASH

NOVEMBER 2020 ISSUE

CHAPTER 113 *"The Backyard Eagles"*



Our Web Site:

www.eaa113.org

group.eaa113.org

Gatherings: 7:30 PM
the 3rd Thursday of each
month at the

**EAA 113 AVIATION
EDUCATION CENTER**
Mettetal Airport (1D2)
8512 Lilley Road
Canton, MI 48187
(734) 392-8113



Johh Maxfield giving his Funk a bath.

Photo Courtesy of Randy Hebron

Member Services

Class I Board of Directors:

| | | |
|---------------------------------------|----------------|--------------------------|
| President: Dave Steiner | (734) 645-1150 | president@eaa113.org |
| Vice President: Jack McClellan | (734) 748-4378 | vicepresident@eaa113.org |
| Secretary: Molly Pyles | (512) 694-8439 | secretary@eaa113.org |
| Treasurer: Dave Buck | (734) 223-2675 | treasurer@eaa113.org |

Class II Board Members:

| | | |
|-------------------------------------|----------------|-----------------------|
| Al Bosonetto | (734) 261-5518 | |
| Jim Brown | (313) 570-6374 | |
| Dan Jones | (248) 820-7901 | |
| John Maxfield | (248) 890-6767 | |
| Doug Sytsma | (734) 674-3345 | |
| Library: Barb Cook | (734) 277-3469 | library@eaa113.org |
| Newsletter: Elizabeth Hebron | (734) 776-9294 | newsletter@eaa113.org |

Class III Board Member:

| | |
|-----------|----------------|
| Joe Kirik | (248) 872-3220 |
|-----------|----------------|

Membership Committee:

Al Bosonetto, Dave Buck, John Maxfield

| | |
|------------------------|----------------|
| Dues: Dave Buck | (734) 223-2675 |
|------------------------|----------------|

Technical Counselors:

| | |
|--------------|----------------|
| Randy Hebron | (734) 326-7659 |
| Dan Jones | (248) 820-7901 |
| Dan Valle | (313) 539-9818 |

Flight Advisors:

| | |
|---------------|----------------|
| John Maxfield | (248) 890-6767 |
| Dan Valle | (313) 539-9818 |

Scholarships:

| | |
|------------------|----------------|
| Elizabeth Hebron | (734) 776-9294 |
| Debbie Redding | (734) 397-3452 |
| John Maxfield | (248) 890-6767 |

Young Eagles:

| | | |
|----------------|----------------|-------------------|
| Debbie Redding | (734) 397-3452 | events@eaa113.org |
| Dave James | (734) 721-4213 | |

| | | |
|--------------------------------|----------------|------------------------|
| Flying Start: Dan Jones | (248) 310-6018 | flyingstart@eaa113.org |
|--------------------------------|----------------|------------------------|

| | | |
|----------------------------------|----------------|---------------------|
| Homebuilders: Mike Scovel | (313) 608-7202 | builders@eaa113.org |
|----------------------------------|----------------|---------------------|

| | | |
|---------------------------|----------------|-------------------|
| IMC/VMC: Dave Buck | (734) 223-2675 | imcvmc@eaa113.org |
|---------------------------|----------------|-------------------|

Web/Tech Support:

| | | |
|----------------|----------------|----------------------|
| Stefan Rairigh | (734) 383-4346 | webmaster@eaa113.org |
| | | support@eaa113.org |

Aviation Center Management Committee:

| | |
|---------------|----------------|
| Al Bosonetto | (734) 261-5518 |
| Dave Buck | (734) 223-2675 |
| John Maxfield | (248) 890-6767 |
| Dave Steiner | (734) 645-1150 |



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*

Dave Steiner (734) 645-1150
president@eaa113.org
November 2020

A Season for Thanksgiving

Aviators and aviation lovers are by and large an optimistic lot, I think. It takes a certain amount of positive attitude to choose to “slip the surly bonds of earth” and immerse yourself in the “delirious burning blue” when you really don’t need to. After all, there are other modes of transit or fun that don’t involve a lot of empty space below you. But you just know your own trusty flying machine and piloting skills, or another’s aircraft and piloting skills, will bring you safely back from the “sun-split clouds.” Otherwise, why would you elect to take to the air in the first place? This is especially true of the GA and EAA community that is not engaged in what can be the ordeal of making a living from aviation, and therefore not necessarily committed to getting from point A to point B. It doesn’t matter so much where you are going, as much as it does that you are *flying to* ... somewhere. At least that’s the way I’ve always thought of it. Aviators and aviation aficionados never tire of that feeling of leaving the ground and looking down upon the “mere mortals” below.

So in this season of so much uncertainty, financial angst, COVID, etc., be thankful that you are involved in an EAA community that helps you keep your eye on the aviation prize. That irrepressible urge to look up whenever you see or hear an aircraft over head because you know that person is having fun. The plane’s destination could even be “second star to the right, then straight on ‘til morning” if Peter Pan is flying. Make a list this season of what you are thankful for, in spite of the chaos around you. I trust your family and the aviation family around you will be at or near the top of the list! And if you haven’t read *High Flight* by John Gillespie Magee, Jr. lately, or feel a need to boost your aviation spirit, a reading and contemplation of it might be just the ticket. Typing “High Flight” into your browser will bring it right up.

Happy Thanksgiving everyone!

Program Speakers for Member Gatherings

VP Jack McClellan is looking for speakers/programs for the third Thursday membership gatherings. Help him out: vicepresident@eaa113.org
What topic would you like to see covered? Or maybe give a talk about your own aviation adventure.

Prop Wash Content

Keep that content coming for the newsletter! A few photos with captions and a short paragraph or two about **your** latest aviation adventure are all that we ask.
Send to: newsletter@eaa113.org. Please do share your aviation escapades. No need to be a pilot.

EAA 113 & COVID

The Chapter will continue to follow all State of Michigan and local health guidelines with regard to protecting people from the spread of the COVID virus. We urge all to follow precautions for your own and other people’s safety. We are all in this together. Please be safe.

MOLLY'S A PRIVATE PILOT!!

By Molly Pyles



A date to hold in my heart forever - October 17th, 2020. In the craziest year ever, I finally earned my private pilot certificate! For those that don't know us well, we moved here from Washington state in January of 2019. A few years ago, I started my journey to learn to fly by first trying to follow Nathan's every move and learn to fly in the Maule. We even flew to sign me up for ground school! It would have been faster to just drive, but hey, we owned an airplane and we were going to use it. While going through ground school in 2018, I was the only lady in the class of 23 people, and I was determined to "beat the boys" and get a higher score every test. For those that know me well, this is all too typical of my style...but I digress.

After a number of hours, and a move across the country, I was frustrated. I just didn't think I could learn to fly! Luckily, we found EAA 113, and started going to the chapter gatherings and I regained my drive. In May of 2019, I called and started lessons at Solo in their Piper Warrior. Finding it much kinder to a flying novice, after just 8.2 hours with my instructor, she pulled the plane off the runway, got out and let me fly solo! June 19th, 2019 I flew all by myself for the first time. What a rush. I continued to fly through the rest of the summer and into the Fall, completing the remaining requirements for my license. As I started to prep for my checkride early this past spring, everything closed due to COVID. I returned from a vacation to visit Nathan's parents in Arizona to find everything stopping, and my training was paused. "How frustrating," I thought, but surely it would get started again. Well, we hit summer time, and perfect flying weather, and while things were starting to re-open, and flight training was starting again, my instructor made the difficult decision not to return. I wasn't sure what to do. I was discouraged. But I was reminded by several in the chapter that I was fully capable and I needed to just knock it out. So off I was to sort this out.

I finally decided on a new instructor and gave him a call out of the blue. We'd flown together once before, and I knew our personalities would work just great! We chatted about a plan, and I started hitting the books hard in preparation. Right in time for the plane to be due for its 100 hour inspection. Womp womp. A week later, it was ready to fly again, just in time for crappy weather! UGH. But, having two strikes against my flying, I doubled down on my determination. I called my boss Thursday afternoon and told her I was taking the next week off. I scheduled time in the plane every single day that week, including twice a day towards the end of the week knowing the winds would be questionable. Any day the weather didn't let me fly, we did a mock oral session. If I wasn't at the airport flying or practicing the oral part of the check ride, I was home, reading everything I could. I did a flight plan every other day. Getting signed off the Friday of that week, I was on top of the world! We went out and flew after finishing IACRA in winds I wouldn't have normally dreamed of, just so my CFI could prove to me I was more than capable and ready. In one of the laps in the pattern, I was told to do a touch and go and I instead pulled off the runway and taxied back. My CFI was so confused - "I told you to do a touch and go!" to which I responded "well - I'm in charge today, and I didn't want to." It was then he laughed and said "See, I told you that you were ready. You're showing me you're ready to be PIC!"



Continued...

A week later, there I was hopping in the plane to head to Adrian to take my check ride. The nervousness turned to excitement as I landed, parked the Warrior and set off to go through the paperwork. After an hour and 25 minutes, I was approved to move on to the flight portion, and any remaining nerves were GONE. Other than the ones that kept reminding me I had to navigate to a VOR while under the hood. Can't say I'd done that before, and reminded the DPE if I was lost, I would just call ATC - they're not scary - I'm married to one! 1.4 flight hours and as we taxied back to the ramp, the DPE asked how I thought I did. He asked if I thought I was ready for the responsibility of being allowed to carry passengers. We both agreed, I did great, and I was absolutely ready! I was being congratulated on being a private pilot!! Unbeknownst to me, Nathan had snuck into the pattern at Adrian and parked the Maule to wait for me during the check ride. Once I powered down the engine, and we started to get out of the plane, the DPE apologized to Nathan...that he was no longer the only pilot in the family!

Thank you to each and every one of you in the chapter, especially to those who gave me all kinds of encouragement for helping push me to finish this. I can't wait to be here to root for each of you in return.

Signed,
Your now private pilot certificated secretary,
Molly



Victory flight back from ADG to ARB
Photos Courtesy of Molly Pyles.



A CHALLENGE TO MEMBERS TO SHARE THE GIFT OF EAA

By David Leiting,

EAA Lifetime 579157, President EAA Chapter 252, EAA Membership Development Manager

The past 10 months have flipped the world upside down for many of us, but they have also allowed us to spend more time focusing on our families and our passions. For all of us, the shared passion is aviation. It is what brought us together, and has been the one constant we can look to when the days get rough.

The flying club I am a member of shut down operations for 90 days as we evaluated how we could safely operate amongst the COVID-19 pandemic. It pained me to stay out of the cockpit for more than three months. This was the first time since I passed my private pilot check ride that I was out of my 90 day currency! Additionally, my local EAA chapter put all of our events on hold. Although we were able to conduct virtual gatherings and board meetings, it wasn't the same as our usual in-person events.

This lack of aviation activity caused me to reflect on my passion for aviation, and remind myself how easy it is to take for granted the aviation opportunities afforded by EAA. Like many of you, much of what I use to fuel my passion for aviation has come from EAA. EAA AirVenture Oshkosh, my Young Eagles flight, the relationships built through my local chapters, and the educational opportunities. Without EAA, I am not quite sure where I would find myself on my aviation journey.

One of the great pillars of EAA is the opportunity to give back, and pass the torch to future members. Perhaps you have given a Young Eagles flight that led to a career aviator, or lent a helping hand to a friend building their own aircraft. There is also a great chance that you have benefited from the generosity of a fellow EAAer. It is the lifeblood of our organization!

We all remember our mentor who introduced us to aviation and are forever grateful for the gift they gave us. That mentor may still be a close friend of yours within your EAA chapter. EAA is now asking you to join us in helping to preserve the legacy of EAA Founder Paul Poberezny, and of all our past and current members, by gifting an EAA membership to someone you feel will continue to carry on EAA's mission within The Spirit of Aviation.

It is EAA members such as yourself that can bring aboard the next generation of members. Your involvement in your local chapter is even a greater reason to introduce them to EAA. Chapter members are the most engaged and passionate members you'll find within EAA. There is no better group than a local chapter to welcome a newcomer to EAA.

Once you identify whom you'd like to sponsor, simply visit [to register EAA's newest member](#). After you gift this membership, invite the individual to your chapter, and show them the opportunities and community that exist in their own backyard. By gifting a membership and becoming a Legacy sponsor, you will receive a Legacy sponsor pin and patch.

EAA cannot thank you enough for your continued support of the organization, and especially of your local chapter. Chapters are the lifeblood of EAA, and without them the impact of EAA would be fraction of what it is today. Enjoy your holiday season, and we hope to see you in Oshkosh this July!



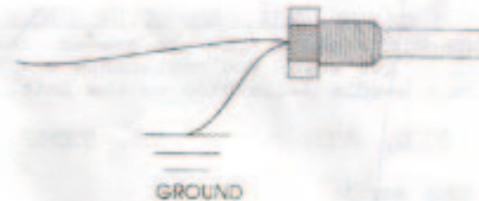
DEBUGGING INSTRUMENTS EASILY

Submitted by Pete Waters

INSTRUCTIONS TEMPERATURE and PRESSURE SENDERS

CAT #
399C*
399DS/399DS-8
399M**
399OT
399W
399S1
399S7
399S7-N
399S8/399S8-1
399S9
399S10-1.5S
399S10-1.5L

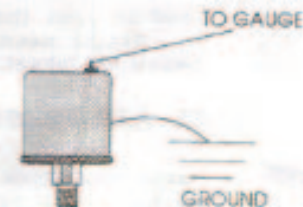
INSTALL SENDER INTO MEDIUM TO BE MEASURED.
CONNECT ONE LEAD TO A GOOD ENGINE GROUND
CONNECT OTHER LEAD TO PIN # (PER GAUGE INSTRUCTIONS)



*TO MOUNT THE 399C SENDER USE J-B WELD OR EPOXY BRAND ADHESIVE.
CLEAN SURFACE, FOLLOW INSTRUCTIONS FOR ADHESIVE. INSERT PROBE TIP INTO MOUNTING SHIELD
**TO MOUNT THE 399M SENDER. SIMPLY CLEAN SURFACE BEFORE
ATTACHING MAGNET. YOU MAY WANT TO USE A SMALL AMOUNT OF ADHESIVE

CAT #
387-11V 100 psi
387-12V 80 psi
387-13V 16 psi

INSTALL SENDER INTO MEDIUM TO BE MEASURED.
CONNECT BASE OF SENDER TO A GOOD ENGINE GROUND
CONNECT GAUGE GROUND TO BASE OF SENDER
CONNECT TOP TERMINAL TO PIN # (PER GAUGE INSTRUCTIONS)



WESTACH WESTBERG MFG. INC. WESTACH ©
3400 WESTACH WAY, SONOMA, CA 95476 U.S.A. PHONE (707) 938-2121 , FAX (707) 938-4968

FORM # 177-9183 date 9/91 rev. 9/95

TROUBLE SHOOTING

CHT and EGT

No or LOW readings

A. To check the sender.

1. Make certain all connections are clean and secure.
2. Reverse connections.
3. Disconnect sender from gauge, check the resistance of the sender. A cold probe on the senders should be approx. CHT 1.5 / EGT 3.5 ohms.

B. To check the gauge. USE OHM METER ONLY FOR THIS TEST!

1. Disconnect the gauge from the sender, check the resistance of the gauge. Depending on the scale the resistance will be between 8-15 ohms. You will also notice a needle deflection on the unit.

WATER, OIL, AIR and CARB. TEMP.

A. To Check the sender.

1. Make certain all connections are clean and secure.
2. Disconnect the sender leads from the gauge, Cool or heat the probe to a known temperature then check the resistance. See chart below.

32 deg f = 9800 ohms
70 deg f = 3570 ohms
100 deg f = 1740 ohms
212 deg f = 212 ohms

- B. To test the operation of the unit, disconnect the sender leads from the gauge and substitute the sender with a resistor of the appropriate value that you wish to check from the list above. Such as 615 ohms is 150 deg f.

- C. If sender lead goes to ground, meter should peg full scale.

- D. If sender lead is open (broken) or sender is open internally meter should peg hard to the left. Slight needle movement to the left is normal when the temperature is below the starting point of the gauge.

OIL, FUEL, AIR PRESSURE and FUEL LEVEL

- A. Follow the same procedure as for the temperature gauges above. Use the resistance values below for 240 ohm pressure and fuel level senders. For other value senders ie. 30,75,90 ohm then use resistance for that sender.

E or 0 scale
230-240 ohms

MID scale
90-100 ohms

FULL scale
27-37 ohms

- B. For capacitance type fuel senders and MM type pressure senders (four wire connector) it is recommended to return the unit to the factory for a recheck.

- C. Do not use a battery charger or water as a medium to calibrate the capacitance type fuel level probes as this will make the gauge read full scale.

- D. Do not use a battery charger to bench check the MM type pressure senders as this will cause an erratic reading at best on the gauge.

MORE FROM PETE WATERS

If anyone is interested in building one of these, please contact Liz Hebron at newsletter@eaa113.org for complete article.



INFIELD ENGINEERING

50-inch Volmer VJ-22 Sportsman

Part 1: Design, tail group, and fuselage

By Paul Kehlmann
Photos by the author except as noted
ptkehlmann@aol.com



ModelAviation

AVIATION | OCTOBER 2020

As the COVID-19 pandemic continues, we can all use a little extra humor in our lives....



FUNNY OBSERVATIONS SUBMITTED BY PETE WATERS

1. The dumbest thing I ever bought was a 2020 planner.
2. I was so bored I called Jake from State Farm just to talk to someone. He asked **me** what I was wearing.
3. 2019: Stay away from negative people. 2020: Stay away from positive people.
4. The world has turned upside down. Old folks are sneaking out of the house & their kids are yelling at them to stay indoors!
5. This morning I saw a neighbor talking to her dog. It was obvious she thought her dog understood her. I came into my house & told my cat. We laughed a lot.
6. Every few days try your jeans on just to make sure they fit. Pajamas will have you believe all is well in the kingdom.
7. Does anyone know if we can take showers yet or should we just keep washing our hands?
8. This virus has done what no woman has been able to do. Cancel sports, shut down all bars & keep men at home!
9. I never thought the comment, "I wouldn't touch him/her with a 6-foot pole" would become a national policy, but here we are!
10. I need to practice social-distancing from the refrigerator.
11. I hope the weather is good tomorrow for my trip to the Backyard. I'm getting tired of the Living Room.
12. Appropriate analogy. "The curve is flattening so we can start lifting restrictions now" is like saying "The parachute has slowed our rate of descent, so we can take it off now."
13. Never in a million years could I have imagined I would go up to a bank teller wearing a mask & asking for money.
14. The spread of COVID-19 is based on 2 things:
 - a. How dense the population is.
 - b. How dense the population is.



November 2020



| Sun | Mon | Tue | Wed | Thu | Fri | Sat |
|---|--|---|--|---|---|---|
| 1  | 2 | 3 VOTE 2020 | 4 | 5 EAA 113 <i>Virtual</i> Homebuilder's Gathering 7:30 pm | 6 | 7  |
| 8  | 9 | 10 | 11  | 12 EAA 113 <i>Virtual</i> Board Meeting 7:30 pm | 13 | 14 |
| 15 | 16  | 17 | 18 | 19 EAA 113 <i>Virtual</i> General Gathering 7:30 pm | 20 | 21 |
| 22 | 23 | 24  | 25  | 26  | 27  | 28  |
| 29  | 30 |  | | | |  |



FOR SALE — \$8,500 — ERCOUPE 415-C Project



N94027, s/n 1350. 3300 hrs TTAF,
C-85-12 Engine 1,973 hrs

Wings and tail section current off airframe for annual inspection.
Engine cases back from Divco, and cylinders from Harrison. Has
yellow tag crankshaft. Includes Com & Transponder. Located in
North Central Ohio.

For Information contact:

Ed Beer, elb511@hotmail.com
419/610-3560

N94027 was acquired this spring by EAA Chapter 50, located in Huron, OH, and flown into 88D. The chapter set about the task of having the airplane inspected. It was suggested by a local AP/IA to replace the Heim joints on the control rod ends as well as do a complete overhaul to the C85-12 engine. This process got started but the repair costs has strained our limited resources. Our board has made the decision to put the Ercoupe up for sale.

N94027 has a com and transponder. ELT is old style and out of date. This airplane will require some effort to restore it to flying condition, but the relatively small investment will put this popular airplane back in the air in short order.



FROM JACK McCLELLAN

At the last Zoom gathering we had a great speaker (Kristen Suarez) Informing us about aviation insurance. I would like to enter a plug in the newsletter that if anyone is looking for a new aviation policy or getting a second quote on an existing aircraft to give her and the company she represents a try.

Kristen Suarez - Agent
BWIFLY Aviation & Drone Insurance
Office: 800-666-4359
Text: 951-399-2691
Email: Kristen.Suarez@bwifly.com
Website: www.BWIFLY.com



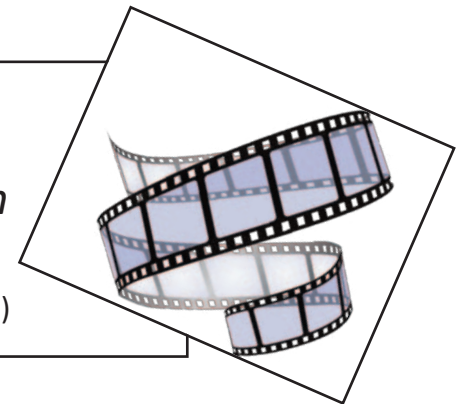
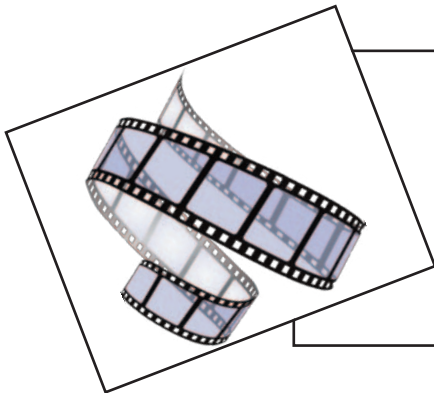
INTERESTING AND INFORMATIVE ARTICLE

<https://medium.com/faa/a-c-to-avoid-82465757a0f0>

Calling all video enthusiasts!

*Submit your video of the month to Jack McClellan
at vicepresident@eaa113.org*

(Or you might be watching videos of puppies and kittens next month....)



Next Virtual Gathering:

November 19, 2020

7:30 PM

Virtual Gathering via Zoom

Check your email for details.

