

M A Y 2 0 2 2

EAA Chapter 25

# ON FINAL

## “Ready for Takeoff”

- By Mystery Member



Chapter 25 members:

As a member of EAA Chapter 25, you know the value of belonging to a great aviation organization. The joy of building or helping someone build an airplane. The entertainment value of listening to a great presentation at our monthly meeting. Seeing a smile on a youngster's face, after a Young Eagle flight. A lot of this is possible because organizations like EAA and AOPA are advocating for general aviation, every day.

Another great organization that advocates for GA on our state level is the MN Pilots Assoc. The MN Pilots Assoc. is hosting the Great MN Aviation Gathering (GMAG) at the Buffalo, MN Airport May 20 & 21st. There will be over forty vendors, airplanes on display and seminars including seminars on seaplanes, rusty pilots, drones, engines and even a pinch hitter course. Admittance is free if you are a MN Pilot member or \$10 at the door for non-members. I know we can't join every organization or subscribe to every aviation magazine offer, but MN Pilots is a fantastic organization that could use your participation and financial support. They get involved with MN GA issues, like the campaign to keep the Isle Airport open. They support four aviation scholarships at \$2,000 each. They pay for the beautiful Wright Brothers Master Pilot Award plaques after the FAA discontinued funding them. So, even if you can't join the organization, please find time to attend GMAG. You can visit with vendors, talk to fellow aviators, and maybe find time to volunteer to spend an hour in the EAA booth, which we will be sharing with three other Chapters.

It's also time to make plans for EAA AirVenture, Monday July 25 – Sunday, July 31, 2022. I've flown over and back in one day. You can drive over in 5 hours. So, don't wait, make your plans now. We are so fortunate to live so close to OSH. People fly in from around the world.

For those who have not heard, I am the acting President for the remainder of 2022. There will be a new Chapter President next January!

This month's Chapter meeting will be conducted on **Wednesday, May 18, 2022**, at the **BSAEC** hangar at the south end of Hotel Lane at **Airlake Airport**. The grill for our Potluck BBQ dinner fires up at **6:00 pm**. Bring a dish to pass and a \$5.00 donation to cover the cost of the meat and staples. This month, we have two presentation treats. One, Chapter 25 member, Dennis Vanatta, will give a presentation on simulation training. See Dennis' presentation summary below. Two, John Cermin, a friend of C. David Lundin, who is a private pilot and teaches cinematography, will speak on the importance of drone certification.

Our 2022 Scholarship Fund campaign concluded on 4/30/2022. See Jim Fischer's 2022 Ch. 25 Scholarship Fund summary on page 4. Our scholarships are an important part of the Ch. 25 mission. Your donations to the Ch. 25 Scholarship Fund **do** make a difference in the lives of our young people.

## Flight Simulation Training By Dennis Vanatta

Airlines and corporate flight training departments have long recognized the value of simulators for pilot training in large aircraft. The ability to control the weather, environment, and equipment malfunctions, along with being able to reposition the "aircraft" into different situations, repeat maneuvers, pause the action to discuss and correct performance, cannot be duplicated in the real airplane. In addition, being able to train without the distractions of other traffic or the risk of injury or damage to personnel or aircraft, make simulators invaluable. In other words, simulators are less expensive to own and operate than the airplanes they emulate, and they allow for training that is much less expensive, more efficient and more effective than "in aircraft" training. Technological advances now bring all these advantages to light airplane training as well.

There is a rather dizzying assortment of these machines – different types, levels, and classes. They vary widely in terms of size, complexity, costs, certification requirements, and the kinds of training they are used to perform. While we will briefly look at this whole array of devices, most of our attention will be spent on the class of devices most often in use for training in general aviation light aircraft: the "Aviation Training Devices" (ATDs), and both the Basic and Advanced varieties (BATDs and AATDs).

Even among the ATDs, there are a vast number of types, each offering advantages and disadvantages in the types of training they do best, their costs and capabilities, and the extent to which that training can be credited toward certificates and ratings. However, rather than "spoil the ending," we will just invite you to join us on May 18th. We look forward to seeing you there!

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Dennis Vanatta is a long-time member of EAA 25, a retired Sun Country Captain, a CFI for fifty years with ASME and Instrument ratings and a Gold Seal, as well as being an avid airplane builder. Dennis operates Trident Aviation Training at Owatonna Airport, offering simulator-based training and specializing in instrument training, rusty instrument pilots, recurrent training and proficiency training, among other unique programs. Working with Dennis at Trident is Eric Workman, who is a retired systems engineer with over twenty years of flying. Eric is also a "CF-Double-I" and the key presenter for EAA 25's "IMC Club."

## April 20, 2022, Chapter 25 Meeting Minutes

**Call to Order:** Interim President Patrick Halligan called the meeting to order at 7:05pm. Gary Stinar led us in the Pledge of Allegiance. Pat explained why he is acting President for the rest of the year.

**Visitors:** One visitor came forward and introduced himself: Reed Smith.

**New Hangar:** No new news on a new hangar. Members were thanked for their donations. There is currently \$24K in the New Hangar Fund.

**Treasurer's Report:** No financial report as both Richard Hedeem and Kim Johnson were out of town.

**Scholarships:** Mike and Marsha Drake talked about their attendance at the MN State Mankato Scholarship Banquet.

**Young Eagles:** Kris Olsen talked about Young Eagles. April flights were cancelled because of weather. The next scheduled YE event will be held on the second Saturday in May (5/14/2022), because GMAG is on the third weekend.

**IMC Club:** Pat reminded the members that Terry Carmen has started an IMC Club that meets, via Zoom, on the second Wednesday of each month. Let Terry know if you would like to join. He will send you a link for more information.

### **New Business:**

Pat announced that Chapter 25 has been awarded Gold Level Chapter status, based on several EAA criteria.

**Great MN Aviation Gathering (GMAG):** Pat talked about the MN Pilots Assoc. putting on the Great MN Aviation Gathering at the Buffalo Airport on May 20 and 21<sup>st</sup>, 2022. Chapter 25 will again, share a display booth with a couple of other chapters. The MN Pilots Assoc. is a great organization to belong to. It's kind of like AOPA on a state level. Everyone is encouraged to attend GMAG. There will be a number interesting speakers, including Mark Baker, President of AOPA, Kevin Morris, UAS Coordinator in the FAA Office of Communications, Nick Halatsis, FAA Safety Team Program Manager, Joel "Henny" Jungemann, Chief Pilot for the Superior National Forest Seaplane Base in Ely, Minnesota. Go to <https://www.mnpilots.org/gmag> for a list of sessions.

Reggie Roorda told attendees about his son, Jon, who is thinking about starting an airplane painting business. Jon painted the Zenith 701. Anyone with ideas should talk to Reggie.

**Volunteer Opportunity:** Pat talked about getting several members, and possibly their spouses, to help put together meals at Feed My Starving Children's facility in Eagan.

**Presentation:** Our guest speaker, Steve Church, gave a fantastic presentation on WW II dogfighting tactics. He talked about the pilots and their airplanes.

**Adjournment:** The Meeting adjourned at 8:30pm.

Respectfully submitted,  
Pat Halligan, Acting Secretary

## 2022 Chapter 25 Scholarship Fund Drive Results

### By Jim Fischer

The 2022 Scholarship Fund Drive was again different this year. We still had the COVID issue around us. This prevented many of us from attending our Chapter meetings. As a result, I volunteered to continue to act as Interim Coordinator for the Ch. 25 2022 Scholarship Fund Campaign, even though I knew I would be unable to see you at our monthly meetings. Nonetheless, you responded to my appeal through our newsletter with flying colors for your donations to help our young people. You came through once more, as you always have. The Board of Directors thank you immensely for your generous response. To those who contributed through the Dues, Scholarship and Hangar Fund bundle, I say thank you. This is now become the backbone for our scholarship donations, as intended. There were others who contributed either in addition to the bundle or by separate donation. As a result, we met our annual obligation of \$3,500. Ch. 25 members donated a total of **\$3,600**. Seven members gave \$100 or more. I tip my hat to all of you. You have made a difference in young people's lives. We may even be able to help a few kids going to summer aviation camps in a small way. We can't do it all, but every dollar we give helps a few kids achieve their aviation dreams. It is one of the most important things we do as an EAA Chapter towards the success of our youth and the field of aviation.



## Young Eagles Update

by Kris Olson

Our Young Eagles group flew 9 kids on Saturday, March 19th at Airlake Airport. The pilots were Keith Treptau and Mark Kolesar. Our ground crew were Ron Hoyt, Marsha Drake, Mike Drake, and Kris Olson. We started around 10:30 am and went until 1:30 pm, due to low clouds in the earlier part of the morning. The temperature was in the 40s during the event.

We cancelled our rides event for Saturday, April 16th due to gusting winds.

Our May rides event was held on **Saturday, May 14th** at Airlake Airport.

We are looking for more pilots to give rides with our program. We usually require the kids to pre-register, because we have limited seats available. We want to be able to offer more kids the chance to get a ride. There is a lot of interest from parents and kids to learn about aviation. We also welcome more ground crew volunteers. Let me know if you are interested in helping as a pilot or ground crew member.



### IMC Club Update

Meetings are on the second Wednesday of each month; our next meetings are scheduled for May 11<sup>th</sup>, and June 8, 2022. If you are interested contact Terry Carmine for more information at [tlcarmine@gmail.com](mailto:tlcarmine@gmail.com).



### Trivia ?

by John Schmidt

Q: You can always visit with Richard and Katherine Dotson at the Savannah (GA) Hilton Head Airport. Why are the Dotsons always there?

(answer on page 6)

### Airlake Airport News

By Blaine Peterson

MAC Airport Manager, Airlake/Flying Cloud

This is a friendly reminder that the MAC dumpster is not for personal use. On several occasions, hazardous materials have been left in the dumpster, such as used oil cans, filters, and old television sets. Please take these items to the proper recycling centers in the area.

Everyone will be happy to hear that there will be minimal construction this year. The focus will be on the environmental assessment planning that must take place prior to the runway rehabilitation that is currently planned for next year. Further updates on the planning will be included in future newsletters as information becomes available.

The Pan-o-Prog Fly-in Breakfast is back this year, taking place **Sunday, July 10**, at the Airlake Resource Center. I encourage you to visit the [Pan-O-Prog website](#) for further information and updates. Additional events taking place at MAC's system of reliever airports can be found on the [MAC website](#).

MAC staff began the process of renewing nearly two thirds of Reliever Airport Aircraft Storage leases [new Aircraft Storage Lease Agreement](#) that will begin to expire in May 2022. As part of the renewal process, staff

verifies that the ground rent is current, that a current annual environmental self-inspection form is on file with the MAC, and that the hangar meets MAC's aesthetic ordinance (No. 112). If the conditions of renewal are met, a new lease is mailed to the tenant, along with a sublease license agreement, and an insurance handout that can be shared with a tenant's insurance agent. As the weather improves, we recommend that you address any aesthetic issues with your hangar. We also suggest that you review your insurance limits to verify that they meet the requirements of the new lease. A valid certificate will need to be on file with the MAC for the executed lease document to be released. If you have any questions, please don't hesitate to contact Kelly Gerads at [Kelly.Gerads@mspmacc.org](mailto:Kelly.Gerads@mspmacc.org).

## MnDOT Aeronautics and Aviation News

MnDOT Aeronautics has created an AWOS NavAIDS Weather Location App. This web page link to Minnesota airport locations that have AWOS weather updates from the anyAWOS website.

The MN Airport Directory and Travel Guide has gone digital with both a ForeFlight Content Pack download, as well as an interactive web map.

## Trivia

(from page 5)

**A:** Because the Dotson's are buried there. A runway expansion in WW II covered part of a cemetery. 100 families agreed to move their graves, but the Dotson descendants prefer that their graves remain there, under cement markers at the end of runway 10/28. The airport website says these graves are "the only ones in the world embedded in an active, 9,350-foot runway." Can you think of a better place for an aviation enthusiast to be buried?

## For Sale

Ercoup. Contact Corey at 507-995-9365

## Airplane Build News:

This section is to provide a brief summary of all Ch. 25 build projects. Please contact the editor if you have a project you would like included. Current pictures are preferred.

**Pietenpol1 (2010):** Surfaces have been primed. We are planning colors and hope to spray the final coats this summer.



**Pietenpol 2 (2018):** We have struggled to get a smoothly running engine and have come to the conclusion that the head/sparkplug arrangement is incompatible. The engine runs ok in the very small rpm range of 1000 - 1400. Outside this rpm range it runs very rough or not at all. The original engine builder installed inserts in the head to convert from 7/8" threads to 18mm threads. The inserts were poorly done resulting in the plugs being recessed in deep pockets within the head. A new head has been obtained and will be installed in the next couple of weeks. Hopefully the result will be a much better running engine.

Does anyone in the Chapter own, or know someone who might own a Brumfield aftermarket head for a Model A engine?



**Zenith STOL CH 701 (2017):** The 701 is flying. A number of owners were able to get checked out this month.



**Glasair Glastar (2021):** Being built at Jerry Schiroo's Shop, Tuesday evenings 6:00 pm – 9:00 pm; Thursdays 1:00 pm – 5:00 pm; Saturday's 9:00 am – noon. Ch. 25 members are invited to attend. Contact Jerry Schiroo: [jerryschiroo@msn.com](mailto:jerryschiroo@msn.com) with any questions and location information.



We would like to provide an update for all Ch. 25 member projects each month. Please contact the editor to provide a picture and a brief summary of project status so we can all marvel at the airplanes under construction.

### Fly-In/Out Opportunities:

For more info: <https://www.dot.state.mn.us/aero/events/flyins-and-events.html>

**Friday & Saturday, May 20-21, 2022** – MN Pilots Assoc. Great Minnesota Aviation Gathering (GMAG), Buffalo Airport (KCFE), Buffalo, MN

**Saturday, May 21, 2022** – Flying Start; 10:00am – 11:00am, Ch. 54 Clubhouse, Lake Elmo, MN Airport (21D)

**Saturday, May 21, 2022** – AOPA Rusty Pilots Seminar; 9:00am – noon, Rochester Int'l. Airport (KRST)

**Saturday, June 4, 2022** – Amery Fly-In Pancake Breakfast; 7:00am – noon; Amery, WI Municipal (KAHH)

**Saturday, June 11, 2022** – Grand Rapids Ch. 412 Spring Fly-In Bkfst; 8:00am – noon; Grand Rapids, MN (GPZ)

**Sunday, June 12, 2022** – Princeton Lions Fly-In Pancake Breakfast; 7:30am – 12:30pm; Princeton, MN (KPNM)

**Sunday, June 12, 2022** – Rush City Fly-In Bkfst and Event; 8:00am – 2:00pm; Rush City, MN Regional (KROS)

**Saturday, June 18, 2022** – Moose Lake Fly-In Bkfst; 7:30am – 11:00am; Moose Lake, MN Carlton Co. (KMZH)

**Sunday, June 19, 2022** – Ch. 100 Father's Day Fly-In Breakfast; 7:00am – 11am; Dodge Center, MN (KTOB)

**Sunday, June 19, 2022** – Hutchinson Fly/Drive-In Pancake Bkfst and Antique Car; Hutchinson, MN (HCD)

- Sunday, June 26, 2022** – Wells Wings and Wheels Fly-In Breakfast; Wells, MN Muni Airport (68Y)
- Sunday, June 26, 2022** – Fairmont Lions Fly-In Bkfst; 7:00am – noon; Fairmont, MN Muni (KFRM)
- Saturday, July 2, 2022** – Starbuck Airport Pancake Bkfst; 7:00am – noon; Starbuck, MN Airport (D32)
- Sunday, July 3, 2022** – Austin Lions Fly-In Bkfst; 7:00am – noon; Austin, MN Muni (AUM)
- Sunday, July 3, 2022** – Emmetsburg Kiwanis Bkfst; 8:00am – noon; Emmetsburg, IA Muni (EGQ)
- Sunday, July 10, 2022** – Lions Fly-In Bkfst, Lakeville’s Pan-O-Prog; 7:30am – 11:00am; Airlake (KLVN)
- Saturday, July 23, 2022** – Gandy Dancer Fly/Drive-In; 7:00am – 3:00pm; Burnett Co. Regional (KRZN)

### Upcoming Events

**Saturday, May 14, 2022:** Young Eagles Event; 9:00am – noon; BSAEC

**Wednesday, May 18, 2022:** Chapter 25 Meeting; 6:00pm-9:00pm; BSAEC

**Friday & Saturday, May 20 & 21, 2022:** The Great Minnesota Aviation Gathering. Buffalo Municipal Airport (KCFE), Buffalo, MN. GMAG Hours are from 9-5 Friday, May 21 and from 8:30-4 on Saturday, May 22. Features educational sessions and a variety of vendors of aviation-related products. “Hangar Flying” sessions will cover a broad range of timely topics, including seaplane operations, survival techniques, VFR and IFR flight operations, Minnesota aviation history, winter operations, engine maintenance, owner assisted maintenance, how we can better work with our local and state governments...and much more! [www.mnpilots.org](http://www.mnpilots.org)

**Saturday, May 21, 2022:** Chapter 745 Pancake Breakfast. 9:00am – noon. Benson Airport (6MN9). Contact: 651-429-0315.

**Wednesday, June 15, 2022:** Chapter 25 Meeting; 6:00pm-9:00pm; BSAEC

**Saturday, June 18, 2022:** Eagles Event; 9:00am – noon; BSAEC

**Sunday, July 3, 2022:** Bob Poore’s Birthday Party; 4:00pm - ?; Bob’s House

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Yo-Yo Ma,  
cellist

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Your editor is always looking for your aviation-related stories. If you have an aviation related experience to share, please contact me. Don't be concerned about the writing part, it will be written on your behalf based on our conversation.

ON FINAL is published monthly by Chapter 25 of the Experimental Aircraft Association (EAA) for the use, education and enjoyment of Chapter members and others to whom it is provided. No claim is made for the accuracy of materials presented. Editorial content is the opinion of the contributor and does not necessarily reflect the position of Chapter 25 nor EAA. Submissions for publication, questions or comments on articles, etc. are encouraged and should be addressed to: **Kim V. Johnson, 1834 Karis Way, Eagan, MN 55122-2673**, e-mail: [kvince2962@hotmail.com](mailto:kvince2962@hotmail.com).  
 Submission deadline: 1st Wednesday of the month. New or renewal Chapter memberships (\$25/year) should be addressed to: **Mike C. York, 15860 Jocko Ct., Shakopee, MN 55379-7512**. Membership forms can be obtained from the Chapter 25 website: [www.eaa25.org](http://www.eaa25.org). Permission for other EAA Chapters to use the non-copyrighted portions of this publication is hereby granted provided the source is acknowledged. Any copyrighted material that appears in this newsletter is with the permission of the acknowledged copyright holder. Any further copying must obtain the permission of the original copyright holder.

## On Final

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