



## *The Maple Lake Flyer*

A newsletter of EAA Chapter 878, Experimental Aircraft Association

*EAA Chapter 878: a part of the aviation community in Maple Lake, Buffalo and surrounding areas of Minnesota since 1986.*

January, 2017

- **EAA CHAPTER 878 EVENT and MEETING NOTICE**

**Chapter Meeting, 9:00 a.m., Saturday, January 14**

**At: West Metro Aviation on the Buffalo Airport**

**The coffee will be “On”**

- **FLIGHT TO SUCCESS**  
by Greg Thomes, Chapter President

Welcome to our yearly EAA Chapter 878 goal setting message. We have 350 days, give or take a few, to accomplish good things this year, both as an EAA chapter and as individual pilots.

The one piece that always seems to evade us is, “How do we stay on-track” with our goals?

For me: I would like to fly +100 hours, get ADS-B installed in the Cardinal, and guide EAA Chapter 878 through another success-filled year. All it takes is time and money, right? Well, mostly...but not entirely.

The piece we sometimes miss is a systematic way to monitor our goals. It’s similar to what happens to broken New Year’s resolutions. So, every 90 days let’s individually, and collectively, check our progress. Together, we can stay on track.

May your skies be bright and breezes light.

Greg



**NOTE (1): See newsletter “Table of Contents” on Page 2**

**NOTE (2): Chapter dues for 2017 are now due!! For more detail, see Page 9**

**Also see the item on Page 9 about future newsletter and “AvBits” deliveries**

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### ● "MINUTES" OF CHAPTER 878 PARTY – December 17, 2016 by Wayne Flury, Chapter Secretary

In lieu of a regular meeting, a Christmas Party for EAA Chapter 878 was held at Huikko's Entertainment Center in Buffalo on Saturday evening, December 17. A total of 27 chapter members, spouses and family enjoyed a social hour and meal, followed by the presentation of chapter awards and recognition for service to Chapter 878 and to all of aviation.

Due to illness, our planned program speaker was unable to attend.

Connie Erickson has already reserved the same facility for December 9, 2017.



Nasty cold weather kept the crowd down somewhat, plus the "late-in-the-month" date conflicted with other events and family social gatherings. As noted, we have already reserved an earlier date for next year.



EAA Chapter 878 President addressed the gathering with general remarks and an overview of the past year.

There was no official business conducted at this meeting.

Our 2017 meeting schedule will resume on January 14 with our regular switch to Saturday morning meetings at 9:00 a.m. for January through April.



### 2016 EAA Chapter 878 Service Awards

All presented by  
Chapter 878 President  
Greg Thomes to:

(Upper Left, continuing  
clockwise)

**Carla Bond** – Meeting  
Food Coordinator;

**Connie Erickson** – Super  
Server of Chapter 878;

**Kurt Pennuto** – Most  
Valued Pilot;

**Laura Herrmann** (for  
**Dave Wendt**) – IMC  
Representative;

**Betty Thomes** – First  
Lady of (My) Flight;

**Wayne Flury** – Chapter  
878 Most Valuable Pilot,  
plus Chapter Secretary  
and Newsletter Editor;

**Dick Burns** – Treasurer;

**Tim Bond** – Young Eagle  
Coordinator

Note: Chapter Vice-  
President Pete Radintz  
not present. Certificate  
to be presented later.



## ● CHAPTER 878 FLY-OUT COORDINATOR and EAGLE FLIGHTS LEADER by Kyle Weatherly

Ed. Note: Chapter 878 member Kyle Weatherly recently committed to Greg Thomes to “take over / start-up” two positions with EAA Chapter 878. These are: **Fly-Out Coordinator** and **Eagle Flights Leader**. The Fly-Out Coordinator has a fairly self-evident goal (coordinate fly-outs by EAA Chapter 878 members to aviation events or destinations). The Eagle Flight Leader will manage local participation in the national EAA “Eagle Flights” program, a free introductory flight experience and mentoring program for adults. For more detail on this, see: <http://www.eaa.org/en/eaaviation-communities-and-interests/aviation-beginners-and-newcomers/introductory-flights-for-free/ea-eagle-flights-program>. Below is a dialog from Kyle about his vision for these programs. As with any endeavor, these cannot be just “Kyle’s programs;” they need his dedication and leadership but must have the support, cooperation and partnership by everyone in the chapter.

### **Eagle Flights Leader:**

I have read the information available on the EAA website in regards to Eagle Flights and have sent away for the materials provided by EAA.

The Eagle Flights are for people 18 and above. This is a program that will allow adults the ability to learn a little about flying to see if they want to pursue it themselves.

As part of this program ramping up for EAA 878, the chapter will need to maintain a list of pilots willing to be a Mentor Pilot. There is a Mentor Pilot Handbook that EAA encourages mentor pilots to read to help give the interested adult the best introduction to flying possible.

Qualifications to be a Mentor Pilot:

- EAA member in good standing
- Airman’s certificate or a comprehensive understanding of aerodynamics and regulations
- Ability to communicate well, both verbally and written
- High energy level with ability to spark enthusiasm in others
- Arrange Eagle Flights, either personally or with a chapter mentor pilot, for any adult expressing a desire to participate in the Eagle Flights program.
- Communicate with the Eagle Flights office by providing constructive criticism and suggestions to improve the program.

Please let Greg Thomes or Kyle Weatherly know if you are interested in assisting with Eagle Flights.

As a group we may want to discuss offering parents the same opportunity as their kids when EAA 878 has Young Eagle events.

### **Fly-Out Coordinator:**

Since this is fairly new to EAA 878, I will be working through some formatting and trying to get a simple procedure in place so I and others in the group can issue a Fly-Out event for the club members, friends, family, and others that may be interested in joining the event.

My intent is to use an electronic invitation program called Pingg to setup this structure. The benefits of doing this online is that it eliminates the need for countless e-mails going back and forth keeping everyone informed on what the event is and who might be attending. There are provisions on the program to allow invited guests to look to see who else is planning on attending the event.

None of the information below is set in stone, but this is what I would like to start with and we will develop the EAA 878 Fly-Out group as we go. Here are some of the ideas below

As I see it there will be two types of events:

1. **Planned Events:** Something that is fixed on a calendar or requires some planning in advance for a group of people to go do.
2. **Pop-Up Events:** Very little planning with very little notice (a day, or even hours)...events just because the weather is nice and someone wants to go flying.



Examples of events:

- Breakfast, Lunch, or Dinner somewhere on a whim
- Visits to Museums, National Parks/Monuments,
- Fly to a Minnesota town to attend an event such as a car show, fly-in, air-show
- Hiking and Camping Excursions
- Golf Outing
- Or just Stamp Collecting (MN-DOT Passport)

I will be working out the bugs in the method of announcing events by seeing what works and what doesn't, with feedback from everyone who attends, or those who couldn't attend but wants to provide some input. I hope to have a presentation prepared for February or March to show anyone interested in sending out an event how it is done. I expect that Pop-Up events might become a popular way for 2 or 3 planes to get together for a nice flight and dinner on a summer evening.

A few other notes and some items still to address

- Everyone attending will leave from their own airport, on their own timeline, and meet at the event location, based on the time of the invitation.
  - One thing I have learned from managing resources, and attending gatherings is we all have our own clock. No one should be forced to adjust his/her own personal preparation or plans based on other people's clocks. That is why I feel that the event starts at the destination.
- All scheduled events will be subject to change based on weather and forecasts. I will try to develop a procedure for alternate dates, cancellation, or delay's based on the invite service being used.
- I will try to use hyperlinks (Website addresses) within the invitation to allow easy access to the event being planned.
- One of the things I will request in the invite is what airport you will be leaving from and if you have an open seat. I believe that other attendees will be able to look to see if a seat is open and ride along if they are not flying themselves for any reason. Arranging seats will be done between the person needing the seat and the person with the available seat.
- Another idea I think we should implement is the use of a simple laminated sign placed in our planes when we are on the ground, simply stating we are "Members of EAA 878 Maple Lake/Buffalo." I haven't seen this before but it makes some sense to draw attention to the club as we are seen wherever we are flying.

This will be a work in progress, so please have some patience and provide feedback. I think this will be a good way to get our flying hours up and see more of what this state has to offer.

Thank you, Kyle

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- **NON-PROFIT STATUS FOR CHAPTER 878**  
by Wayne Flury

Note: EAA Chapter 878 has entered into an agreement with the firm of Anderson & Hughes in Denver, CO and I have been corresponding with Patti Arthur of this firm. The chapter is applying for an IRS 501(c)(3) Public Charity status. Patti is an attorney with the firm and is on the EAA Chapter Advisory Board.

Patti filed Form 1023-EZ on December 22 with the IRS, and we now must wait for approval of our application. The IRS might request additional info.

Cue the "Jeopardy" music!

- **CHAPTER 878 WEBSITE**  
by Dan Hanson, Website Manager

I encourage everyone to check out our new Chapter 878 at:

<http://www.878.eaachapter.org/>

This is a modification of the general pages designed for chapter links on the EAA website, so it looks quite different than the previous chapter site.

I will monitor and update this website as needed, but members must provide me with guidance, requests or suggestions for new or improved content.

For input or questions, contact Dan Hanson at 612-508-0357 or [dhanso312@gmail.com](mailto:dhanso312@gmail.com).

Ed. Note: Dan has recently accepted a new job and will be relocating to the St. Louis area, but will remain a Chapter 878 member and our Website Manager. His phone number and personal email address will remain unchanged for the present.

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- **2nd ANNUAL JACKSON SEAPLANE BASE SKI PLANE FLY-IN, MCGREGOR, MN**  
**Recreational Aviation Foundation (RAF)**  
by Kurt Pennuto  
Minnesota State Liaison, Recreational Aviation Foundation  
EAA Chapter 878 Member

The Recreational Aviation Foundation (RAF) is sponsoring a fly-in on January 21 at McGregor, MN at the Jackson SPB (MN61). For more information about this fly-in, and about the Recreational Aviation Foundation, see: <http://theraf.org/civicrm/event/info?id=296>, or contact Kurt at 612-209-3478 or [kpennuto@theraf.org](mailto:kpennuto@theraf.org).

*"The Recreational Aviation Foundation preserves, maintains and creates airstrips for recreational access."*

Ed. Note: Kurt Pennuto will be the program presenter at our February 11<sup>th</sup> meeting of EAA Chapter 878.

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- **IMC CLUB**  
by Dave Wendt, Founding Member and President – IMC/EAA 878

Here's the meeting and agenda info for the next IMC meetings:

IMC/EAA MEETING Agenda

Tuesday, January 24, 2017 at 6:30 PM

Elliott Aviation Building (KFCM), Inflight Aviation Classroom

6:30 PM Introductions and Welcome, IMC/EAA members, guests and potential new IMC members

6:45 PM Program presentation by Chris Glaeser, "How to Use Pilot NASA Reports"

7:15 PM Brief discussion of program and current aviation topics

8:00 PM Set program for next meeting

4<sup>th</sup> Tuesday, February 28, 2017

Presenter: Laura Herrmann, "New Flight Plan Format – ICOA"

.....

IMC Club meetings are held at Elliott Aviation (KFCM) at 6:30 pm on the 4th Tuesday of every month. For more information and program content each month, please contact me at [DaveWendtInsurance@gmail.com](mailto:DaveWendtInsurance@gmail.com), or 612-272-4600.



- **CHAPTER 878 AVIATION EVENTS – 2017**

Jan	14	EAA Chapter 878 meeting, 9:00 am (Note: Saturday morning date)
	24	IMC / EAA878 meeting at Elliott Aviation (KFCM), 6:30 pm
Feb	11	EAA Chapter 878 meeting, 9:00 am (Note: Saturday morning date)
	28	IMC / EAA878 meeting at Elliott Aviation (KFCM), 6:30 pm
Mar	11	EAA Chapter 878 meeting, 9:00 am (Note: Saturday morning date)
	28	IMC / EAA878 meeting at Elliott Aviation (KFCM), 6:30 pm
Apr	8	EAA Chapter 878 meeting, 9:00 am (Note: Saturday morning date)
	25	IMC / EAA878 meeting at Elliott Aviation (KFCM), 6:30 pm

Note: this generally will not detail the many pancake breakfasts and other fly-ins or local aviation events because they are already well documented on other sites which are dedicated to that purpose. If I did try to list them, I risk the possibility of missing one or slighting someone if I fail to list their event. I will make an exception for some special events.

For aviation events throughout the area, see the various Calendars of Events in magazines, websites and bulletin boards, plus I recommend subscribing to the free email alerts through <http://www.flyins.com> and [www.socialflight.com](http://www.socialflight.com).

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- **CHAPTER 878 RV-4 BUILDER REPORT**  
by Tom Rammel, Chapter Build Project Coordinator

**Progress:** The RV-4 rudder is close to being done (although that may be like saying 90% done and 90% to go)! The leading edge of the rudder is bent into a rounded shape and riveted together. This is where the hinge line is and the sheet metal was not pre bent, so it had to be done with a dowel to prevent creasing the sheet. It maybe looks more done in the picture but the fiberglass tips still need to be riveted and the aluminum sheet covering the fiberglass still needs to be dimpled. Dave and Harold have all the dimpling dies so I need to schedule some time to go over there and get it done.

I am a mentor for the Dassel Cokato high school robotics team #5348 again this year. The competition details were announced Saturday, January 7<sup>th</sup>. So now we have 6 weeks to build the robot for the competition. Since I am writing this before the 7<sup>th</sup> I don't know yet what the competition is. This is a very well kept secret so that none of the teams have an advantage. Last year I taught the team about pneumatics and it was the first time they had pneumatic cylinders on the robot. They placed 16<sup>th</sup> out of 60 teams that competed in Duluth last year. The reason that I mention this is because almost all of my time other than working full time will be spent with the robotics team.



Yes, this is in my house downstairs, but at least I covered the carpet with cardboard first. My Wife Loves Me!

I think we should order the fuselage kit directly from Vans. Harold has already spent many hours cleaning parts before he and Dave could start any assembly. Used kits get handled and stored for so long that things happen. Because of this and the fact that it is expensive to go pick up a used kit that we don't know the condition of or if all the parts are there. I recommend that we order the fuselage kit new from Vans directly.

Dave Swanson and Harold Greseth are working on the wing build. You can see in the pictures below that they are taking this very serious and not having any fun at all...NOT!!! They are having loads of fun. Don't you wish you were having this much fun?



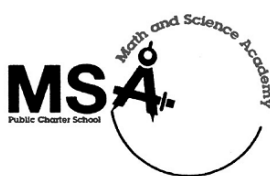
Notes from Dave on 1/5/17: finally figuring things out! We are ready to fit wing spar to bulkhead...it should be done by the weekend. Then finish ribs. Will maybe work on flaps or aileron next. We will need parts to finish the wings.

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- **CHAPTER 878 FLIGHT SIMULATOR GOES TO SCHOOL**  
by Mark Greseth

Ed. Note: Mark is the son of EAA Chapter 878 member Harold and Lynne Greseth, and is a science teacher at the Math and Science Academy, a charter school serving students in grades 6 through 12, located in the City Center neighborhood of Woodbury, MN. Mark borrowed the chapter flight simulator to use in his physics class. For more info about this school, see: <https://www.mnmsa.org/>.

To EAA chapter 878: here is a little overview of how we are using the sim in our *Science of Flight* class. It has been a great tool and the kids love it!



9<sup>th</sup> to 12<sup>th</sup> grade Students at Woodbury Math and Science Academy were offered their first aviation elective this year. In the class, titled *Science of flight*, students explore the evolution of flight through research and building models. Students also use a flight simulator programs to design, fly and perfect aircraft designs.

In the second half of our elective, students have applied some of the information they learned to the flight simulator loaned to us by EAA Chapter 878. With the use of this simulator students are better able to apply some of the science behind flight, and to understand the controls and gauges that are found in many aircraft. Students have found it very helpful to have the actual foot and yoke controls found in aircraft and have achieved a greater understanding of what actually happens when flying a plane.



To say this simulator has been a hit would be an understatement! Students are regularly asking to use the simulator to better hone their skills, and have competitions to see who can fly and land in difficult conditions or challenging locations.

From Mr. Greseth's Science of Flight Class: "We would like to thank you for the opportunity to use this fantastic tool in the classroom, it has been a great asset to the classroom experience."



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- **CHAPTER DUES BECOME DUE IN JANUARY**  
by Wayne Flury

Chapter 878 dues for 2017 become due in January. Please help our treasurer, Dick Burns, by paying with a check made out to EAA Chapter 878. Paying with cash, while acceptable, puts the burden of proper tracking on Dick, since he may have several people throwing money at him all at one time!!

Note: Chapter dues are not the same as your national EAA dues.

IMC members who recently paid are considered to have paid for 2017. As noted in the Chapter Info on page 16 of this newsletter, our dues structure is: Dues are \$10 per year for members up to 35 years of age, \$25 per year for age 35 and over.

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- **NEWSLETTER AND AVBITS EMAIL LIST TO BE REVIEWED AND PURGED**  
by Wayne Flury

At the conclusion of our dues payment period (first couple of months of the year) I'll update our Chapter 878 Membership List and distribute it to all who are "current" in their dues.

**AvBits:** only those who are current in membership dues will be on the "AvBits" email list (AvBits is an email on various subjects that may or may not be included in the regular newsletter, sent out on an irregular basis. If you don't have an email account you don't get this since I do not send it out via USPS).

**Newsletter:** is sent via email or mailed via USPS to all dues current members, plus others who receive the newsletter as a courtesy, as an invitation to join the chapter, or as a "sharing" with other EAA chapters, etc.

Note: I generally keep the "invitation" names on the newsletter list for an extended period of time but, if you do not reciprocate to indicate an interest in joining or supporting the chapter, I will be purging you from the list. Please consider joining the chapter along with your fellow pilots and friends to help us to be strong for EAA and all aviation.

## EAA CHAPTER 878 and MAPLE LAKE FLYER INFO

The *Maple Lake Flyer* is published monthly by Chapter 878 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 878 nor the EAA.

Submissions for publication are encouraged and should be sent to the attention of: Newsletter Editor (see address below). Send "change of address" information, email address and phone number changes to Newsletter Editor.

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Chapter meetings are normally held at 7:30 p.m. on the second Tuesday of each month (except for the winter months of January – April when we meet at 9:00 a.m. on the second Saturday morning). Meeting location and time may vary each month, depending upon the meeting program. Our December meeting is a family social event held at a local event center, with date, time and place to be determined annually.

Dues are \$10 per year for members up to 35 years of age, \$25 per year for age 35 and over.

### Current Officers and Officials of EAA Chapter 878:

<b>President:</b>	Greg Thomes	763-443-7039	greg@thomesinsurance.com
<b>Vice-President:</b>	Peter Radintz	320-963-1980	peradintz@hotmail.com
<b>Secretary:</b>	Wayne Flury	763-670-6021	wflury@wh-link.net
<b>Treasurer:</b>	Dick Burns	952-473-1887	dickburns1@aol.com
<b>Newsletter Editor:</b>	Wayne Flury	763-670-6021	wflury@wh-link.net
<b>Young Eagles Coordinator:</b>	Tim Bond	612-961-3257	timlbond@gmail.com
<b>Eagle Flights Leader:</b>	Kyle Weatherly	612- 965-1610	k.weatherly@live.com
<b>Fly-Out Coordinator:</b>	Kyle Weatherly	612- 965-1610	k.weatherly@live.com
<b>Technical Counselor:</b>	Dick Burns	952-473-1887	dickburns1@aol.com
<b>Chapter Librarian:</b>	Harold Greseth	763-682-5486	hjpgreseth@gmail.com
<b>Chapter Roster Monitor:</b>	Wayne Flury	763-670-6021	wflury@wh-link.net
<b>RV-4 Build Project Coord:</b>	Tom Rammel	320-286-5283	Tom.Rammel@zeiss.com
<b>EAA Chapter Advocates:</b>	All Members		
<b>EAA Chapter 878 Website</b>	Dan Hanson	612-508-0357	dhanso312@gmail.com <a href="http://www.878.eaachapter.org/">www.878.eaachapter.org/</a>

### ● THE FUNNIES by Wayne Flury



Pilots hate it when this happens.

1/2017