



June 2023






Chapter 579
Young Eagles Flown:

19,795



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Chapter 579
Sharing the Magic of Aviation
Aurora, IL - Home Airport: Aurora Municipal (KARR)

Check out our chapter website at
chapters.eaa.org/ea579
for Chapter information

CHAPTER OFFICERS

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Baer → Mail



June turned out to be a rough month for flying Young Eagles. Leading up to our rally date the weather forecasts were bleak but rapidly changing. Unfortunately they were primarily changing from low ceilings and high chances of rain to poor visibility and strong winds. In the end, when rally day finally arrived, we had clear skies, reasonable ceilings, no precipitation but horrendous winds throughout the day. The winds were forecast for 19 knots gusting to 31 knots out of the Southwest (one of the worst directions at Aurora Municipal due to the orientation of the runways). So... for the safety of our Young Eagles our pilots and our planes, there was no choice but to cancel our June rally and start planning for our next rally in August (July is our Oshkosh month).

But June wasn't a total bust... we had a great VMC club meeting and a fantastic Chapter Gathering featuring our own Mariano Rosales who held a Master Class on Aviation Video & Photography. In addition to being an Air Traffic Control Specialist at the Chicago ARTCC in Aurora, Mariano works as a freelance commercial photographer with a specialty in aviation and editorial photography and video. His work has been featured internationally in magazines, posters, calendars, websites, billboards, product packaging, and more. Mariano shared tips and tricks to improving our aviation videos and photos... just in time for Oshkosh! Page 6 includes a few images from the evening and Page 9 includes a number of Mariano's tips.

We will have a VMC Club Meeting on July 13th, but will not be meeting for our July Chapter Gathering. Hopefully many (all) of us will connect in Oshkosh during the week of July 24th.

Blue Skies,

Mike



CHAPTER 579 2023 MONTHLY CHAPTER GATHERING SCHEDULE

January-26

February-23

March-23

April-27

May-25

June-22



Gone to Oshkosh

August 24

September 28

October 26

November 16

December 21*

(* Tentative)

AVIATION NEWS



President signs legislation to modernize NOTAM system

President Biden signed H.R. 346 on June 3, 2023, a bipartisan law designed to update the FAA's Notice to Air Mission (NOTAM) system. The legislation comes after the NOTAM system crashed in January 2023, grounding domestic flights across the United States. The NOTAM crash raised questions about the FAA's Next Generation Air Transportation modernization, known as NextGen, and how long it is taking to implement that modernization. In a February 2023 Senate hearing, FAA Acting Administrator Billy Nolen reported that the agency is about halfway through the modernization of the NOTAM system. Part of that modernization is transitioning the system to standards set by the International Civil Aviation Organization (ICAO).

The modernization is also expected to improved accuracy and accessibility for pilots, according to FAA officials. The modernization efforts are expected to be done by mid-2025, according to Nolen's testimony during the Senate hearing. The new law requires the FAA to set up a task force made up of all representatives of the aviation industry, including general aviation. Its mission:



- Review existing methods for publishing NOTAMs and flight operations information for pilots
- Review regulations, policies, systems, and international standards relating to NOTAMs, including their content and presentation to pilots
- Evaluate and determine best practices to organize, prioritize, and present flight operations information in a manner that optimizes pilot review and retention of relevant information
- Provide recommendations to improve the publication and delivery of NOTAM information

The FAA also is required to implement a back-up system by Sept. 30, 2024, as well as brief Congress on its plan to improve the NOTAM system.

Source: General Aviation News

CHAPTER 579 - "Y20K" 2023 YOUNG EAGLE RALLY SCHEDULE



May 21

Jun 25

Aug 27

Sep 24

Oct 15



**ONLINE
REGISTRATION**

We will once again be using Online Registration for our Young Eagle Rallies. Registration will open up approximately ten days before each rally. Be sure to follow our Facebook page for details!



**EAA Chapter 579's
18,000th Young Eagle**



Launched in 1992, the Young Eagles program has dedicated 30 years to giving youth ages 8–17 their first free flight in an airplane. It's the only program of its kind, with the sole mission to introduce and inspire kids in the world of aviation. Today, nearly 2.3 million young people have enjoyed a free introductory flight through the Young Eagles program. ***This Year Chapter 579 will be the first EAA Chapter worldwide to reach the 20,000 flight milestone! Join us and become part of EAA aviation history!***

1 Young Eagles Flight

2 EAA Student Membership

3 Sporty's Learn to Fly Course

4 First Flight Lesson

5 Scholarships

The EAA  Flight Plan

Your route from Young Eagle to licensed pilot.

Send your Young Eagles Questions to

mikebaer150@gmail.com



Know Your Chapter Members



Jerry Borkowicz



1. Where were you born & raised?
In Chicago in the Avondale/Logan Square area near Pulaski & Diversey Ave. Near Kosciusko Park. Dad died when I was 11 and I was an only child.
2. What is your (non-aviation) background?
Sales. I have sold products for Nestle Chocolate, Spalding Sporting Goods, Black & Decker Industrial Tools, Enerpac (hydraulic co.) & Templeton Kenly (hydraulic/mechanical jacks company).
3. What is one goal you have for this year?
Get my daughter moved back to Illinois. Travel to the New England area, never been there...Maine, New Hampshire, Vermont. Eat a lot of lobster.
4. What would you do if you won the lottery?
Make sure my family is financially secure and then try to help as many people as I can. And of course if there is anything left buy a nice airplane.
5. What is your dream vacation spot?
Pacific Northwest or somewhere in the Rocky Mountains.
6. Do you have any hobbies (other than aviation)?
Reading, crossword puzzles, sudoku, exercising. Looking for things that interest me.
7. How did you get interested in aviation?
I have always been interested in aviation since high school. Built model planes and flew the small by wire in a circle but never had any opportunities to be exposed to it. Always was a thrill going to O'Hare and the observation deck on the top of the terminals where you could just watch the planes taxi and takeoff. Growing up in a neighborhood in Chicago not many mentors around in aviation.
8. What is your favorite aviation memory?
I have a few memories that are favorites. I made a few long trips but 2 trips stand out for me. One in an RV6 from Dallas, Texas to Aurora, Oregon over the Rockies and the Grand Canyon with a flight of about 4 and at times 6 RV's back to Van's Aircraft Factory over Labor Day weekend. The other is a flight in an Cirrus SR20 to Wyoming with a friend and flying past Mt Rushmore, Crazy Horse Monument in South Dakota & Devils Tower in Wyoming along with other interesting sights along the way. Finally I did aerobatics in a C-180 with a friend that was a Viet Nam F4 pilot. Also flying and doing aerobatics in an AT6 in St. Augustine FL.
9. If you could fly any aircraft what would it be?
A big jet something like a Boeing 747 or an Airbus 380. Or a WWII fighter P-51. Any of these would be a great start.
10. If you could have dinner with any aviator past or present who would it be?
Amelia Earhart. Or Charlie Taylor would be interesting to see how he was able to make the engine that flew the Wright Flyer.





AURORA

MUNICIPAL AIRPORT
NEWS



ARR TOWER PILOT OUTREACH JUNE NEWSLETTER



Frequency Congestion/Active Listening

Busier summer traffic also comes with more frequency congestion.

Frequency congestion at ARR is often caused by ATC having to repeat themselves 3-4 times to one aircraft.

Active listening skills can be improved by becoming more familiar with ATC Phraseology.

Here are some great resources to familiarize yourself with ATC phraseology:

[Pilot/Controller Glossary](#)

[AIM Chapter 4 Section 2](#)

[LIVEATC.NET](#)

Young Eagles

During Young Eagles operations, ARR experiences some of the busiest traffic of the year. Pilots might experience some delays at the runway.

The next Young Eagles day is scheduled for June 25th.

Scan the QR code below to see what the normal "patterns" are for Young Eagles, depending on which runway is in use.



Runway 18/36

Even though Runway 18/36 has been NOTAM closed for many years now, pilots still need to treat it like an open and active runway.

Clearance is required to cross Runway 18/36.

ATC is required to issue either a crossing or hold short instruction. If ATC doesn't issue an instruction, pilots are still required to hold short of that runway.

Clearing Runways

Pilots are expected to taxi their entire aircraft past the hold short markings when clearing the landing runway.

When ATC issues a hold short restriction of another taxiway, pilots are still expected to comply with clearing the runway – if able.

Ref: AIM 4-3-20

Contact Information and Tours

FOR QUESTIONS OR CONCERNS PLEASE CONTACT
KARRSAFETY@GMAIL.COM



579 Chapter Gathering

June 22, 2023



Mariano Rosales share his tips and tricks for taking better aviation photos and videos.

HOW TO CALCULATE PROP BLUR

Average RPM: 2400	$40 \text{ rps} \times 2 \text{ (blades)} = 80$
$2400 / 60\text{sec} =$	$\times 3 \text{ (blades)} = 120$
<u>40</u> Rev per Second	<u>1/80</u> shutter speed at 2400rpm (2-blade prop)
Only need 1/2 revolution for 2-blade prop	<u>1/120</u> shutter speed at 2400rpm (3-blade prop)

The math behind getting that perfect prop blur.



Fantastic shots are about planning and preparation to be in the right place at the right time.



Demonstrating options for mounting cameras to an aircraft.



Another sample of Mariano's incredible air-to-air work!

NASA's Presence at AirVenture Oshkosh 2023



America's legacy and future on the moon, unique aircraft, advanced aviation technologies, and a variety of presentations are among NASA's highlights coming to EAA AirVenture Oshkosh 2023 from July 24-30 at Wittman Regional Airport in Oshkosh, Wisconsin.

NASA's activities will be centered at its pavilion in Aviation Gateway Park, just northwest of the FAA control tower on the AirVenture grounds. Other exhibits and programs will be showcased throughout the week at various other locations as well.

Among the other NASA highlights at EAA AirVenture 2023 are:

Monday, July 24, 8 p.m., Theater in the Woods: "NASA – The Next Bold Step" looks at the Apollo and Artemis programs, from the first steps on the moon to the next steps on the moon. Hosted by former space shuttle commander Charlie Precourt, the program will include NASA Associate Administrator Bob Cabana, Apollo 16 astronaut Charlie Duke plus Gerry Griffin and Rick Weiss from the Apollo program, as well as Dr. John Blevins, Alex Kanelakos, and Dr. Ryan Watkins from the Artemis program.

Tuesday, July 25, 2:30 p.m., Forum Pavilion 7: "Artemis Audience Astronauts" will cover mission and science objectives, prelaunch preparation, crew training, and human research objectives the crew will likely complete. Experts in lunar and Mars mission planning and spacecraft development will cover what crews can expect while living and working on and around the moon, and how long-duration Artemis missions will function as partial analogs for human missions to Mars.

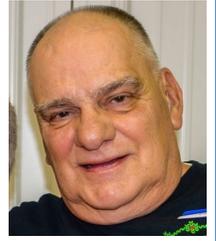
Monday-Wednesday, July 24-26, Boeing Plaza: NASA Super Guppy parked on Boeing Plaza. This unique cargo airplane carries large spaceship parts from location to location. The airplane will also carry a full-size test article of the Orion space capsule.

Wednesday, July 26, 11:30 a.m., Forum Pavilion 8: "Preparing to Fly the X-59" will feature NASA research test pilot David "Nils" Larson discussing preparations for the agency's first flight of its X-59 quiet supersonic demonstrator aircraft. The unique X-59 aircraft is the centerpiece of NASA's Quesst program, which seeks to open the future to commercial supersonic flight over land.

Thursday, July 27, 8:30 a.m., Forum Pavilion 8: "NASA Wicked Aeronautics Innovation" focuses on the Convergent Aeronautics Solutions project, which explores various opportunities for aviation transformations for the good of American society. These high-risk expeditions aim to illuminate paths to desirable futures enabled by aviation, as well as the future of flight itself.

Beat Billy

By: Bill Cameron



May Answer:

This gentleman is none other than Étienne Dormoy, (1881-1959). He is standing next to the Buhl "Airsedann," which he designed in 1929. Mr. Dormoy is probably more known for his "flying bathtub". The Dormoy Bathtub was designed by and first flown in 1924 by Mr. Dormoy when he was an engineer at McCook Field in Dayton, Ohio. The Bathtub competed in the 1924 and 1925 National Air Races, winning the Rickenbacker Trophy in 1924. The Bathtub was powered by a 20hp Heath-Henderson B-4 modified motorcycle engine. There is a 1924 Dormoy Bathtub with an original Heath-Henderson engine on display at the Motorcycle Heritage Museum in Westerville, Ohio.



June Question:

This month we will keep it simple, since you all are getting ready for 'OSH 23.

All you have to do is to tell me what is the name of this plane out of the past and what was the biggest hurdle it had to overcome to become a big seller.

Until next time, have fun up North next month, stay hydrated and take lots of pictures.

Billy, out.



Flying Photography Tips

By: Mariano Rosales



Capturing photos and videos when flying is a great way to share the experience with others and to show the world from a unique point of view. One of the most common and convenient cameras to use today is right in your pocket. Cell phone cameras have come a long way since they were first introduced. And in some situations they rival the more fancy, and bulky, SLR and mirrorless professional cameras. Now even with all of the "bells & whistles" that the current phone cameras have they still can use a little help when taking photos from the cockpit. So here are a couple accessories you can get to greatly improve your image quality.

Circular Polarizer Filter (CPL)

A CPL filter will filter the light to reduce reflections from water, glass, and metallic surfaces. When shooting an aircraft it will reduce or eliminate the reflection of the windows allowing you to better see inside the aircraft. It will also cut the glare off of the windows and other surfaces to better make the colors stand out.



Circular Polarizer (CPL)

Neutral Density filter (ND)

An ND filter acts as a shade to reduce all wavelengths of light from entering the camera. This allows a photographer to better control the camera by modifying the light entering the lens. For cameras with limited adjustment of shutter and aperture. Most ND filters come at a pre-determined level of shade, and you must install the appropriate filter to fit your needs for a particular photo. A variable ND filter has a rotating element that lets the photographer adjust the level of shade without having to have multiple filters.



Variable Neutral Density (ND) Filter

For your camera phone there are many options for clip-on CPL and variable ND filters on Amazon.com and other stores. These inexpensive filters clip on most phone camera lenses and give you the ability to modify the camera settings without having the ability to change the settings in the camera. Put on a CPL filter to reduce or eliminate the glare and make the colors in the sky and reflective materials pop. Or clip on a ND filter to force the camera to adjust to a slower shutter speed which will get rid of that pesky propeller from photos taken from inside the aircraft out. At less than \$20 each they are a great investment and can be a lot of fun to use too.





VMC Club Meeting

Mark your calendar for

July 13, 2023

SimplyFly @ 6:30 pm

Our VMC Club offers monthly meetings in which pilots and non-pilots can network and share knowledge and experience.

The meetings use real-world scenarios to engage members, and allow a free exchange of information that improves awareness and skills. The intent is to create a community of pilots willing to share information, foster communication, promote safety, and build proficiency.

The VMC Club monthly programming is developed and produced by EAA, but it does not use a lecture or presentation format. Instead, an actual scenario is presented and is followed by a group discussion – so audience participation is encouraged! Since everyone has a different experience level and different airplane capabilities, we can all benefit from the discussion.

Send your VMC Club Questions to Chuck Newell at cmnewell@sbcglobal.net

The plan is to fly direct from Ogle County Airport (C55) in Oregon, Illinois, approximately 19 miles to Rockford Cottonwood Airport (1C8) at approximately 2,500 feet on a heading of 040.



Scenario

You often take that route to Cottonwood and come close to, but do not normally enter, the Class D airspace. However, much of the route is well within the RFD TRSA optional advisory area. If there is much traffic noted in the area, you would sometimes request traffic advisories as you approached the TRSA area, but mostly trusted the ADS-B traffic shown on your iPad screen.



Scenario



CHAPTER INFORMATION

EAA Chapter 579 is a 501(c)(3) non-profit organization formed for educational purposes and is incorporated in accordance with the State of Illinois Not For Profit Corporation Act.

MONTHLY MEETINGS

The Chapter meets on the fourth Thursday of the month, January through October and the third Thursday in November and December at the Aurora Municipal Airport, starting at 7:30 pm. Please check our Facebook page for schedule updates. Family members and guests are always welcome.

MEMBERSHIP INFORMATION

Membership dues for EAA Chapter 579 are only \$20 per year and are due on the first of January for the upcoming year.

579 Chapter members are to be current members of the EAA, Oshkosh, WI.

Individual membership to the EAA is \$40 per year. Family memberships are available for an additional \$10 per year. Both include a twelve month subscription to *Sport Aviation* magazine.

A 579 Chapter Membership Form is included as the last page of this newsletter.

ADVERTISING IN PROPWASH

If you would like to support Chapter 579's educational mission by advertising in Propwash, please contact:

mikebaer150@gmail.com

Size (Page %)	Monthly	Annually
10% (business card)		\$50
25%	\$10	\$110
50%	\$20	\$200
100%	\$30	\$275
Classified Ads	Free for members	



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Use offer code EAA579 at checkout and get 10% off your entire order!



EAA Chapter 579

Membership Application

Today's Date: ___/___/___ EAA Member #: _____ New Applicant: ___ Renewal: ___

Last Name: _____ First Name: _____ Spouse: _____

Address: _____ City: _____ State: ___ Zip: _____

Home Phone: (____) _____ Cell Phone: (____) _____

Email Address: _____ Birthday (MM/DD): ___/___

Emergency Contact Name: _____ Phone: (____) _____

I would be able to help in the following area(s):

Advertising ___ Chapter Meeting Presentation ___ Finance ___ Fund Raising ___

Hospitality ___ Membership ___ Newsletter ___ Photography ___ Scholarships ___

Social Media ___ Speakers ___ Videography ___ Web Site ___ Young Eagle Rallies ___

Other _____

<u>Membership Category</u>	<u>Annual Dues *</u>	Please complete this form, attach check payable to EAA Chapter 579 and mail to: EAA Chapter 579 422 Clinton Ave. Oak Park, IL 60302
Regular (Individual)	\$20	
Regular (Family)	\$35	
Youth (Under 18)	\$12	
Life	\$400	
*Annual chapter dues are due on January 1st. New members joining after June 30th receive a 50% discount for first year dues		