





February 2024



Chapter 579
Young Eagles Flown:

20,066



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Baer → Mail



In February we had a taste of 70° weather, so naturally my thoughts have turned to our upcoming Young Eagle Rally season. I am aware that some believe that Young Eagle flights are just free rides in small airplane with little lasting value after the flight, but I know that they are so much more than that. The program provides an incredible introduction to aviation, giving many of our participants their first chance to see the world from a new perspective. The program provides information about how airplanes fly which can inspire further interest in the science, technology, engineering and mathematics (STEM) fields. The program provides mentorship and networking as kids are introduced to pilots and ground crew with a passion for aviation. The program helps build confidence and instills a sense of achievement as some participants overcome initial apprehensions about flying. The program emphasizes safety and education as the kids learn about the importance of understanding and following procedures and finally the program fosters a sense of community by bringing together aviation enthusiasts, volunteers, Young Eagles and their families. This community involvement can create lasting connections and support networks. If you have volunteered in the past - Thank You! If you have not volunteered, I encourage you to join in the fun of introducing the magic of flight to the next generation. Please note that you do not need to be a pilot or even a chapter member to volunteer. I hope you will all join us as we kick off our 2024 Young Eagle season on May 19th. The full schedule can be found on page 3.


On February 15th our chapter met with our friends from the Aurora Air Traffic Control Tower. We learned about tower operations, changes coming to the airport as well as some changes coming to the tower. It was a great evening and a wonderful chance to put faces to all of the voices we hear on the radio. Images from the Gathering appear on page 4.

Here's hoping that winter is behind us and I will see everyone at one of our March events.

Blue Skies,

Mike





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

President, Newsletter Editor &
Young Eagles Coordinator:

Mike Baer

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VMC Club Coordinator & Web Editor:

Chuck Newell

Secretary:

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Treasurer:

Dave Montgomery

CHAPTER DIRECTORS

Bill Cameron

Tim Green

Mariano Rosales

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CHAPTER 579 2024 MONTHLY CHAPTER GATHERING SCHEDULE

January 25

February 15

March 28

April 25

May 23

June 27



Gone to Oshkosh

August 22

September 26

October 24

November 21

December 19*

(* Tentative)

AVIATION NEWS



FAA launches 46th general aviation activity survey

The FAA has launched the 46th general aviation survey, which is the only source of information on the GA fleet, number of hours flown, and the ways people use general aviation aircraft.

Data from the annual survey is used to:

- Anticipate and meet demand for National Airspace System facilities and services
- Evaluate the impact of safety initiatives and regulatory changes
- Build more accurate measures of the safety of the general aviation community

The data collected also is used by other government agencies, the general aviation industry, trade associations, and private businesses to pinpoint safety problems and to form the basis for critical research and analysis of general aviation issues, according to FAA officials.

Only about 30% of aircraft owners are sampled annually. Aircraft owners will receive requests from the FAA to complete the survey via mail or email.

GA advocates say that if you are contacted, you are “strongly encouraged to respond to the survey so that GA activity may be more accurately represented.”

Survey results from previous years can be found [here](#).

Source: General Aviation News



CHAPTER 579

2024 YOUNG EAGLE RALLY SCHEDULE



May 19
 Jun 23
 Aug 25
 Sep 22
 Oct 13



**ONLINE
 REGISTRATION**

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



EAA Chapter 579
 Aurora, IL

20,000
 Young Eagles Flown
 September 2023

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. **On September 24, 2023, Chapter 579 became the first EAA Chapter worldwide to have flown 20,000 Young Eagles!**

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



579 Chapter Gathering

February 15, 2024



KARR Controllers Kevin, Joel, Jake and Dagoberto (not pictured) spent the evening sharing ATC insights and answering questions.

ARR | Local "Hot Spots"

- TWY A and the ramp, especially at TWY A3 in front of Revv and the Tower.
- Run-ups at the east end of TWY A and Sky Haven.
- In a Runway 15 configuration, near the intersection of TWY A and TWY B

Tower Low Visibility Areas:

- Runway 15 Threshold/North end of TWY B
- Sky Haven
- West side of the East Ramp
- JA Air Center ramp

Where are the Hot Spots at KARR?

ARR | Line up and Wait ... aka "LUAW"

What is Line Up And Wait...
The intent of LUAW is to position aircraft for an imminent departure.
"Cessna 911LA, Runway 27, Line up and Wait"

When can LUAW be used?...
When a standalone "CIC" position is open.
When takeoff clearance is expected within 90 seconds.
Intersection departures - only between sunrise and sunset.

What conditions must exist to use LUAW?...

- No aircraft can be cleared to land (or any other option) with an aircraft that is holding in position until the aircraft begins their takeoff roll.
- Traffic must be exchanged between the aircraft authorized to LUAW and any other aircraft affected. This could be aircraft in the traffic pattern, aircraft given a pattern entry, or aircraft departing/landing an intersecting runway.

Tower is required to call the above-mentioned traffic.
It is OK to just say ... "Roger, N123."

LUAW operations at KARR



KARR Controllers Jake and Joel



KARR Controllers Joel and Kevin

weather | Pilot Reports (PIREPs)

ARR Tower will actively solicit and disseminate PIREPs, especially when any of the following conditions exist, or are forecast to exist.

- Ceiling at or below 5,000'
- Visibility at or less than 5 statute miles
- Turbulence - Moderate or greater
- Wind Shear
- Icing - Light or greater
- Thunderstorms
- Volcanic Ash
- Any time Braking Action Reports are required

PIREP FORM	
TO: Tower	UA _____ UUA _____
FROM: [] FOV	Altitude
[] FIM	Time
[] FEL	Location (High/Low)
[] FIP	Visual Obs
[] FSC	Remarks (Type, Location, Altitude, etc.)
[] FVX	High Visibility & Visibility
[] FTA	Thunderstorms
[] FVW	Wind
[] FTB	Thunder
[] FTC	Clouds
[] FRM	Remarks

PIREPs for icing must include:

- Icing Type and Intensity
- Outside Air Temperature

The importance of providing PIREPs



Know Your Chapter Members



John Garretson



1. Where were you born & raised
Born in Springfield, IL and lived in central IL for the first 14 years of my life
2. What is your (non-aviation) background?
20+ years retail and retail services management. Currently own 3 different franchises: The Cleaning Authority of Cary, Augusta Lawn Care Services of Oswego, and Lawn Squad of Aurora
3. What is one thing you would like to accomplish in the next year?
Opening my second Lawn Squad location in Murfreesboro, TN. Moving my family, and sending my daughter off to college.
4. What would you do if you won the lottery?
Purchase more businesses to create more opportunities for others. I would also start a non profit to help the less fortunate, and help out family and friends.
5. What is your dream vacation spot(s)?
I would like to take a cruise and visit some European countries, but I'm just as content staying home.
6. Do you have any hobbies (other than aviation)?
Currently, not really. But in the past, I really enjoyed R/C airplanes and off road 4 wheeling. I plan to explore TN trails in my UTV with my son after the move this summer.
7. How did you get interested in aviation?
I've been interested in airplanes since I was old enough to look up. The early draw was certainly fighter jets.
8. What is your favorite aviation memory?
I don't have a singular favorite aviation memory yet, however I thoroughly enjoy flying young eagles and I will certainly miss it after my move. I will eventually participate in it again in the future. .
9. If you could fly any aircraft what would it be?
Any supersonic fighter, but go easy on me. I don't want to get sick.
10. If you could have dinner with any aviator past or present who would it be?
The Wright brothers. It would certainly be fascinating to learn more about how flight began and to hear about their aeronautical journey.

Frecce Tricolori Aerobatic Team to Participate at EAA AirVenture Oshkosh 2024



The Frecce Tricolori, the military aerobatic team representing the Italian Air Force (ITAF), will be making its first Oshkosh appearance since 1986 when it arrives to participate at EAA AirVenture Oshkosh 2024. The 71st edition of the EAA fly-in convention is July 22-28 at Wittman Regional Airport in Oshkosh.



The Italian team, formally known as the 313th Aerobatic Training Squadron, is scheduled to be at Oshkosh on Tuesday, July 23, as part of the third North American tour in its history. With the already-announced demonstrations from the Canadian Forces Snowbirds at AirVenture 2024, it marks the first time that the EAA fly-in will have two military demonstration teams in a single year at the weeklong event.

“It’s been nearly 40 years since we’ve welcomed these skilled Italian Air Force pilots to Oshkosh, and to have them here in 2024 adds an unprecedented dimension to this year’s fly-in,” said Rick Larsen, EAA’s vice president of communities and member programs, who coordinates AirVenture features and attractions. “EAA AirVenture Oshkosh has always been an international event and the presence of Frecce Tricolori further confirms Oshkosh as the place for the aviation world’s annual family reunion.”

Frecce Tricolori – which translates to “Tricolor Arrows” in English – will arrive at Oshkosh on Tuesday, July 23, and is scheduled to participate as part of the afternoon air show. Its aerial demonstrations at AirVenture will be a modified display featuring tight fly-by formations and colorful smoke trails in the team’s Aermacchi MB-339PAN trainer jets.



The team was officially founded in 1961, combining aerobatic units from throughout the Italian Air Force. It consists of 10 pilots (nine formation pilots, plus a solo), all combat-ready personnel from operational squadrons throughout the ITAF and is currently commanded by Lt. Col. Massimiliano Salvatore. Frecce Tricolori had previously made North American tours in 1986 and 1992. This year’s tour is in support of the Royal Canadian Air Force centennial that is also bringing the Snowbirds to Oshkosh.



“With the Snowbirds highlighting our celebration of the Royal Canadian Air Force centennial, the numerous U.S. jet teams already committed, and now the Italian military aerobatic team joining us, 2024 will be an unforgettable year at Oshkosh,” Larsen said. “As we prepare for this year’s edition of The World’s Greatest Aviation Celebration, there’s much more to come as well.”

Chapter Member Adventures

Lunch Flight to KLNR - Lone Rock, WI

Mike Baer



On the ground at Lone Rock waiting for Chuck to arrive.



Chuck taxiing in.



Chuck on the ground... Time for Lunch!



Sam's Airport Diner @ KLNR.



Flying by Exelon's Generating Station in Byron, IL
Phenomenal cosmic powers! Itty bitty power plant.



Homeward Bound.

EAA AirVenture Oshkosh 2024 to Light Up Night Sky With 500-Drone Performance



The growing aerial art form of lighted drones is coming to EAA AirVenture Oshkosh in 2024, as Starlight Aerial Productions brings its spectacular displays to night air shows on July 24 and 27. The 71st edition of the EAA's fly-in convention is coming to Wittman Regional Airport in Oshkosh on July 22-28.

Up to 500 state-of-the-art drones will take to the sky for the performances during AirVenture's popular night air shows, offering dazzling light displays and captivating illustrations in front of the audiences.

"Drone shows have emerged as a marvelous way to add technology, color, and entertainment to nighttime events and for us, it's a perfect complement to the skill and excitement brought to the legendary Oshkosh night air shows by our aerobatic pilots and aircraft," said

Rick Larsen, EAA's vice president of communities and member programs, who coordinates AirVenture features and attractions. "This addition will make the night show even more memorable in 2024."

[Starlight Aerial Productions](#), based in Michigan, most recently filled the night sky over Detroit with a 400-drone show that celebrated the NFL Detroit Lions' appearance in the NFC Championship Game. The Oshkosh performance will include American-made Lumenier ARORA drones equipped with LED lights that can create more than 4 billion color combinations along with animated sequences that are tightly synchronized to a musical score.

Starlight's parent, Great Lakes Drone Company, made its initial appearance at Oshkosh in 2018 with a sample of the then still-emerging technology. Today's drone shows feature innovations that make flying hundreds of drones more efficient and capable of executing much more complex formations.



"Today's drone shows are pushing the boundaries of aerial entertainment and creating moments that leave an indelible mark on the heart and mind," said Matt Quinn, CEO of Great Lakes Drone Company. "The Oshkosh shows will celebrate human ingenuity as a testament to the unyielding spirit of exploration that aviation embodies."

Additional details regarding Starlight's drone shows at EAA AirVenture will be released as it is finalized.



The Aisle Seat

By Tim Green

Watch This Video!



Secrets of the F-14 Pilot Who Inspired TOP GUN

An in-depth conversation with retired U.S. Navy fighter pilot C.J. "Heater" Heatley about his time as a Top Gun instructor (including several years flying MiG out of Area 51), an extra in the movie "Top Gun," the commanding officer of a Tomcat squadron that developed tactics used in Desert Storm, and the author of the greatest selling coffee table book of all time.

Video: <https://www.youtube.com/watch?v=HCaJ80Fuef8>

If anyone has an aviation video that they would like to share with the Chapter, please send your recommendations to: mikebaer150@gmail.com

U.S. Senate Commerce Committee Passes FAA Reauthorization Bill



The U.S. Senate Committee on Commerce, Science, and Transportation last week passed the *FAA Reauthorization Act of 2023 (S. 1939)*, out of committee. The five-year authorization bill now progresses to the full Senate, for which a date for the debate and vote has not yet been set.

The current FAA reauthorization has been extended through March 8, 2024, and the Senate will need to take action or another extension will be needed. The

House in July 2023 passed its FAA reauthorization, the *Securing Growth and Robust Leadership in American Aviation Act (H.R. 3935)*, with broad bipartisan support in a 351-69 vote.

The bills include language of importance to general aviation including controller workforce staffing, systems upgrades, airports, aircraft registration, and medical standards. The Senate version has different language than the House version. When passed by the Senate, the bills will need to be conferenced to create a final version which will need to be passed and signed by the president to become law.

Colorado and California Actions Affecting General Aviation



EAA is engaged in a number of issues at the state level, working with multiple local and national associations. Much of that activity is focused on aviation fuel.

Recent legislation introduced in Colorado would require airports to develop plans to phase out leaded avgas while establishing a fund to support unleaded fuel infrastructure. The fund would be supported with a fee on the sale of leaded fuel. The legislation would

create an income tax rebate for Colorado residents who purchase an unleaded fuel Supplemental Type Certificate (STC). The bill also proposes adding two additional members, giving priority to non-pilots who reside directly in the flight path of high-traffic general aviation airports or commercial airports, to the Colorado Aeronautical Board.

A bill in the California State Senate proposes a ban on the sale or distribution of leaded avgas in a phased approach, beginning at airports in disadvantaged communities starting in 2026 and throughout the state by 2030. Additionally, the Center for Environmental Health (CEH) is attempting to impose a consent judgment from a 2014 court ruling that would require distributors and FBOs to offer G100UL unleaded avgas. While that judgment would not expressly ban the sale of 100LL at those airports, it could for all intent eliminate such sales, since most small airport FBOs could not afford the installation of an additional fuel tank and system for both fuels.



VMC Club Meeting

Mark your calendar for

March 14, 2024

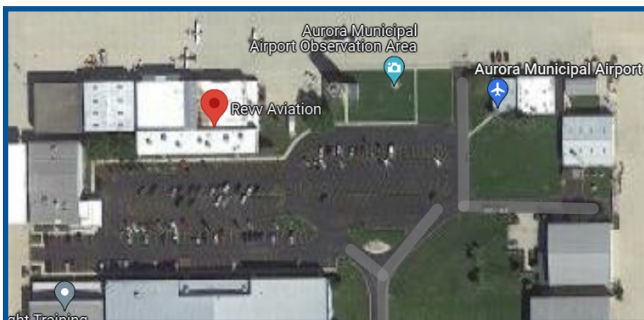
6:30 pm at the REVV Aviation Hangar
at Aurora Municipal Airport

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



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

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

Chicago Area 99s— Aviation Day for Girls

Date: Saturday, May 18, 2024

Time: 8:30-1:30pm

Location: Lewis University,
Romeoville IL

For young ladies ages 10-18

Cost: \$18 / participant

\$10 / chaperone





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At Plane Perfect we have a passion for airplanes and couldn't find products to suit our detailing needs. Everything on the market either didn't work very well or was decades old formulas that could be improved for higher polish and more durability. We created a catalog of modern, safe products that work on metal, fiberglass or fabric and provide a level of quality just not achievable with older formulas. They are superior on cars, boats and RV's too!



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and get 10% off your entire order!**



EAA Chapter 579

Membership Application/Renewal

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		