



December 2021



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Baer → Mail



We are all aware that flight delays are quite common, it happens to most airlines every day. Sometimes flights are delayed simply because the airspace gets too busy and they need to prioritize landing sequence while maintaining aircraft separation. A similar set of circumstances hit Propwash in December. Life got a bit too busy to complete this issue by the end of the year as I needed to land a few personal items that were squawking 7700. With everything now safely on the ground I am able to turn my attention to all of the activities I had requested to stay outside of the Delta (no COVID pun intended).

With 2021 now in the books I took some time to look back on all of the things 579 had accomplished last year: hosting 6 Young Eagle Rallies, providing free flights to over 470 kids in hope of inspiring tomorrows aviators, attending fly-outs, holding both online and in person Chapter Gatherings & VMC Club Meetings and getting together in person once again at Oshkosh AirVenture! Looking forward to the year ahead, I am very excited to build on all of the great experiences we had in 2021 with some new and exciting opportunities in 2022. If you have ideas for improving the chapter, please let me know. I would love your help in making 579 even better.

With the new year upon us it is time to renew your membership in EAA's leading Young Eagles Chapter. The annual membership rate is still \$20. Please send a check and the application form found on the last page of this newsletter to:

EAA Chapter 579
422 Clinton Ave
Oak Park, IL 60302-3707

Or bring it to the next Chapter Meeting on Thursday January 27th!

Stay safe and see you soon.

Mike



CHAPTER 579 2022 MONTHLY CHAPTER GATHERING SCHEDULE

January 27
February 24
March 24
April 28
May 26
June 23



Gone to Oshkosh
August 25
September 22
October 27
November 17
December 15*
(* Tentative)



Federal Aviation Administration

FAA's 5G Statement



In telecommunications, 5G is the fifth generation technology standard for broadband cellular networks, which cellular phone companies began deploying worldwide in 2019, and is the planned successor to the 4G networks which provide connectivity to most current cellphones.

The FAA released a list of 50 airports (including Chicago's O'Hare and Midway) that will have buffer zones when wireless companies turn on new 5G C-band service on January 19. Traffic volume, the number of low-visibility days and geographic location factored into the selection.

The wireless companies agreed to turn off transmitters and make other adjustments near these airports for six months to minimize potential 5G interference with sensitive aircraft instruments used in low-visibility landings.

The FAA continues to work with the aerospace manufacturers and wireless companies to make sure 5G is safely deployed and to limit the risk of flight disruptions at all airports.



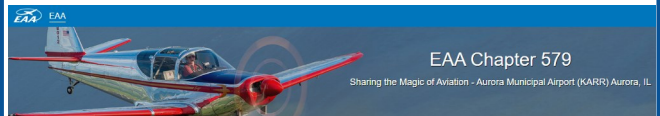
Be sure to follow [EAA Chapter 579](#) on Facebook to get the latest updates on all of our activities.



Chapter 579

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

Check out our chapter website at [EAA579.org](#) for detailed information about our Chapter



EAA Chapter 579 Home	Welcome to our chapter
About Us	Our Mission A community created to Share the Magic of Aviation through educational and social opportunities! We are Flyers, Builders, Teachers, and Nuts about Aviation!
Event Calendar	Our Vision EAA Chapter 579 encompasses all by providing many outlets in aviation at our local airport. We believe in sharing our passion for the air to all no matter where one is on their aviation journey. We focus on promoting aviation education by having subject dedicated speakers at our monthly meetings. Young Eagle flights to share flight with local youth, and other many other educational resources provided through the EAA network. EAA 579 believes in sharing flight through social fly-outs and many other social aviation related activities. As a chapter, EAA 579 strives to be a local home to aviation for all to enjoy the air.
Propose Newsletter	Advanced Air Academy Each year EAA Chapter 579 sponsors a girl or boy to spend a week attending EAA's Air Academy in Oshkosh, WI in the summer where they interact with others.
Member Aircraft	
Young Eagles	
Eagle Flight	
Ray Aviation Scholarship	
Technical Counselor	



CHAPTER 579 2022 YOUNG EAGLE RALLY SCHEDULE

TENTATIVE
May 22 / Jun 26 / Aug 21 / Sep 18 / Oct 16



**ONLINE
REGISTRATION**

We will once again be using Online Registration for our Young Eagle Rallies and hope to have the ability to capture electronic signatures eliminating the need for paper forms! Watch our Facebook page for details!

In 2021 we implemented a number of COVID-19 safety precautions for our Young Eagle Rallies including:

- Online registrations
- All Young Eagles wearing masks while inside the aircraft regardless of vaccine status
- Hand sanitizer before entering the aircraft
- Temperature check prior to flight

At the beginning of 2022, Illinois has reported 2,589,640 total COVID cases, including 29,099 deaths in the state since the pandemic began. The statewide test positivity rate was 15.6%. According to the CDC, the latest variant - Omicron - can spread the virus to others, even if they are vaccinated or don't have symptoms. While fewer people seem to be hospitalized with Omicron, experts seem to agree that this will likely not be the last strain of the COVID virus. Since safety is our top priority we will evaluate the current state of the virus as we get closer to Young Eagle season and proceed accordingly.

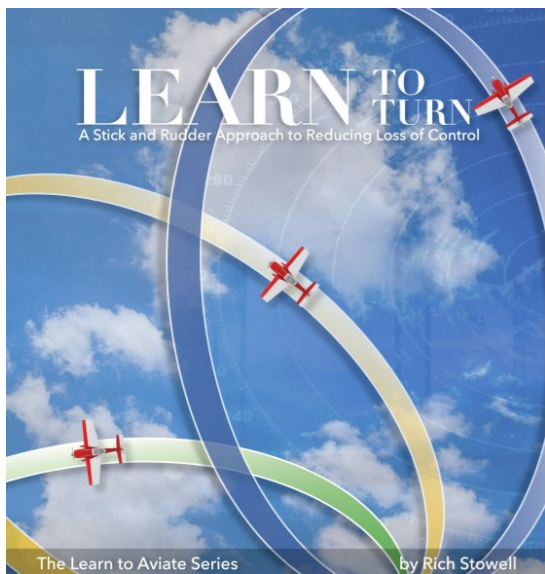


Launched in 1992, the Young Eagles program has dedicated almost 30 years to giving youth ages 8–17 their first free flight in an airplane. It's the only program of its kind, with the sole mission to introduce and inspire kids in the world of aviation. Today, more than 2.2 million young people have enjoyed a free introductory flight through the Young Eagles program. Join us in offering each child, tween and teen the opportunity to experience the Spirit of Aviation by becoming a Young Eagles volunteer today!



Send your Young Eagle Questions to
EAAChapter579@gmail.com

Learn To Turn E-Book Available To EAA Members



Award-winning Master Flight Instructor Rich Stowell recently released *Learn to Turn*, a free program that takes a stick-and-rudder approach to help reduce the frequency of loss-of-control accidents. Learn to Turn is available as a free download for EAA members using the following URL: <https://www.eaa.org/eea/pilots/pilot-resources/learn-to-turn-ebook>

The program is anchored by a 98-page digital booklet. Supporting materials include a 42-page graphics supplement, a 28 minute webinar recording and a 12 minute video targeted training exercises and a pilot survey.

According to Stowell, who has more than 30 years of experience providing spin, emergency maneuver, and aerobatic training. “Through no fault of their own, light airplane pilots generally have been misinformed and under trained regarding turn dynamics. As a result, too many continue to lose control of the airplanes.” He continued. “In addition to academic content, Learn to Turn offers training exercises designed to improve basic flying skills and increase awareness of the consequences of our control inputs.”

EAA Homebuilders Week Online Webinar Series Returns in January

EAA is bringing back its Homebuilders Week series of online webinars in January 2022, following the big success of the inaugural series earlier this year. The upcoming series is scheduled for January 24-28, 2022, which encompasses the 69th anniversary of EAA’s founding on January 26, 1953.

EAA Homebuilders Week virtual presentations are free of charge to everyone interested in building an aircraft. The event is sponsored by Aircraft Spruce & Specialty, Dynon, Scheme Designers, Van’s Aircraft, and Zenith Aircraft.



The six daily live presentations will begin at 11:30 a.m. Central Time each day (Monday through Friday) and continue until 8:15 p.m. It will include everything from getting started successfully to techniques when building with sheet metal, composites, steel, and wood. New and experienced builders will also find in-depth talks on panel planning, wiring, engine selection, FAA certification, and flight testing. The live sessions will also allow plenty of time for attendee questions. Recordings will be archived and available to EAA members for review after the week’s presentations are completed.



Spending on drones 'set to explode' in U.S.

A new forecast predicts that civilian Unmanned Aerial Systems (UAS) — also known as drones — will be the most dynamic growth sector of the world's aerospace industry in the upcoming decade.

The new study from the Teal Group, an independent aerospace and defense research and analysis company, predicts worldwide spending on drones will top \$121 billion in the next 10 years.

Commercial use will drive the market as consumer drone purchases slow and government purchases remain a small but growing portion of the market, according to the forecast.



Near-saturation of the consumer market and the growing capability of lower-end, especially 'prosumer' drones have led UAS manufacturers to search upmarket for their next big opportunity. That means a greater focus on more sophisticated, higher-value units. The greatest potential appears to be the delivery market, which has the possibility of touching every household in the world.

At the same time, it will also have to operate in the most complicated regulatory environment, with not just national entities, but localities and even homeowners' associations having a say in whether and when delivery drones appear in neighborhoods.

Lessons Learned Library

Are you familiar with the FAA's Accidents Lessons Learned Library? If not, now is a great time to learn about this fantastic resource as they have just added new materials, and have reorganized the resource into three sections: small airplane, transport airplane, and rotorcraft. The purpose of expanding the library to include general aviation (GA) lessons learned is to capture information related to selected accidents that contain key safety information, including resulting actions taken to continue improving GA safety. The library uses three different "perspectives" to arrange the accidents and illustrate the complex interrelationship of accident causes. Each accident contains at least one high-level lesson related to a threat element, and at least one lesson related to a theme element.

You can find the library at this link: <https://lessonslearned.faa.gov/>

Ken's Aviation Museum of the Month

By: Ken Kwiatkowski



Castle Air Museum Atwater, CA

Opened in 1981, and located on 25 acres adjacent to the former Castle Air Force Base Strategic Air Command Center (now, Castle Airport). It is one of the largest aviation museums in the western United States. The aircraft are located both in hangars and in a large outdoor airpark.

The over 70 aircraft on display include these rarities:

- Avro Vulcan B
- B-50 Superfortress (modified B-29)
- Cessna U-3A Blue Canoe
- B-58 Hustler
- B-36 Peacemaker (formerly located at Chanute Air Museum, Rantoul, IL)
- Douglas B-18 Bobo
- B-45A Tornado
- Cessna UC-78 Bamboo Bomber
- Lockheed SR-71 Blackbird
- F-12 Delta Dagger
- RA-5C Vigilante
- Fairchild 199-c Flying Boxcar



For those with interest, the B-29 Superfortress on display has a long history of documented paranormal activity.

Also on display the Douglas VC-9C Air Force One jet used by both Reagan and Clinton. There are scheduled tours of this jet available if you visit.

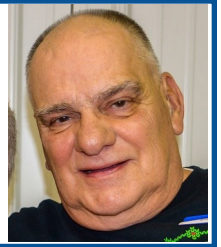
The museum has just recently acquired 5 aircraft from the recently closed NAS Barbers Point Air Museum in Hawaii and is currently getting them ready for public display.



Many indoor exhibits of memorabilia and history are located indoors, and there is a gift shop. Hours are 9-4 daily excluding major holidays.

Beat Billy

By: Bill Cameron



November Question:

This month Billy needs you to identify this, rather old but interesting twin.



November Answer:

After the MONO AIRCRAFT CORPORATION, in Moline Illinois, went bankrupt in 1931 it's assets were sold to a new firm, the LUSCOMBE COMPANY.

The Luscombe Company was formed in St Louis Mo. by former Mono Aircraft President and Chief Engineer Don Luscombe. Don Luscombe left his new company in 1934 to form the LUSCOMBE AIRPLANE COMPANY. Another firm, LAMBERT AIRCRAFT CORP. was formed to take over and continue the Monocoupe aircraft line. Lambert Aircraft hired Al Mooney to be Vice President and Chief Engineer. Al Mooney designed some interesting single engine aircraft to bear the Monocoupe name.

Lambert Aircraft hired Al Mooney to be Vice President and Chief Engineer. Al Mooney designed some interesting single engine aircraft to bear the Monocoupe name.

In 1937 Al Mooney designed a very different Monocoupe, the TWIN MONOCOACH. Also called the MONOCOACH H, Al Mooney's design was the first of the small twins. Powered by two Lambert R-266 90 hp radial engines, the plane was a 4 place and had retractable landing gear, was very underpowered and had bad single engine controllability. The planes engines were replaced by 150 hp Menasco in-line engines and the single tail replaced with a twin to tame it's engine out performance. This twin was never certified or sold due to its poor performance. Only one Twin Monocoach was built that I know of. Al Mooney left the company after the failure of his twin. Al took his tools to Columbus, Ohio to manufacture his aircraft design the DART, later the Culver Dart (pictured below).

Until next month, BILLY out.





planeperfect.us

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!



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

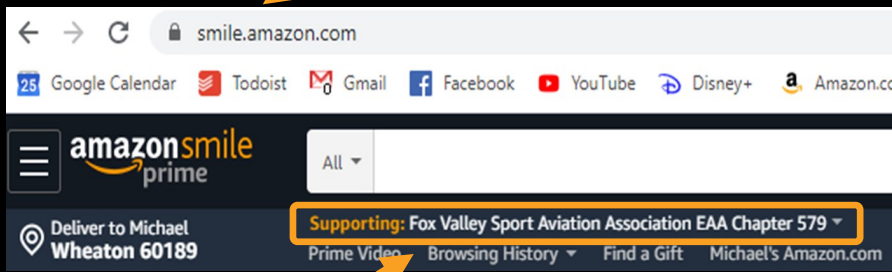


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There is no mark-up on any item you purchase, and the Chapter will earn .5% on all of your purchases.

It couldn't be easier!

Thank You for your Support !!



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 Chapter's headquarters at SimplyFly 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	



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		