



April 2020

# GALTtraffic

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### NOTE:

Until the current Covid-19 pandemic resolves, all Chapter events are cancelled. Please watch our website at [EAA932.org](http://EAA932.org) for updates. Be safe.

The newsletter of  EAA Chapter 932

## Through a Controller's Eyes EAA 932 March Gathering Recap

On March 14, Chapter 932 featured an excellent live presentation from Air Traffic Controller, Aaron Barclay, from **Chicago TRACON**. Aaron began working as an ATC in 2008 and is an active private pilot, providing a well-rounded perspective for the group.

The program also offered WINGs credit to those who registered.

For anyone interested in becoming a controller, he said that the basic age requirements were: you must be at least 31 years of age and be able to pass the same flight physical required of private pilots. Mandatory retirement is age 56. The FAA accepts controller trainees from the military, college programs, and walk-in applicants. Aaron told the group of 50 attendees that one of the things he likes best about ATC is, unlike many other professions, it's the kind of job that he doesn't take home with him.



In terms of stress, Aaron admitted that busy days may have their moments, but there is a "point-of-maximum efficiency" where most controllers find they work best. When there are fewer aircraft to work, it's easy to become disengaged from the process, which can be as detrimental as having to

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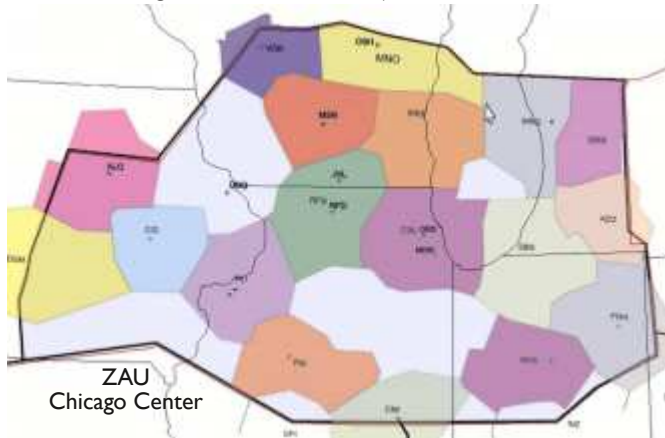
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work with too many aircraft. He admitted that, like any other occupation, ATC employees come with a wide range of abilities and temperaments.

Aaron described the Air Traffic System as being similar to a set of nested dolls, with the Tower at the center, encircled by TRACON and then the Center.

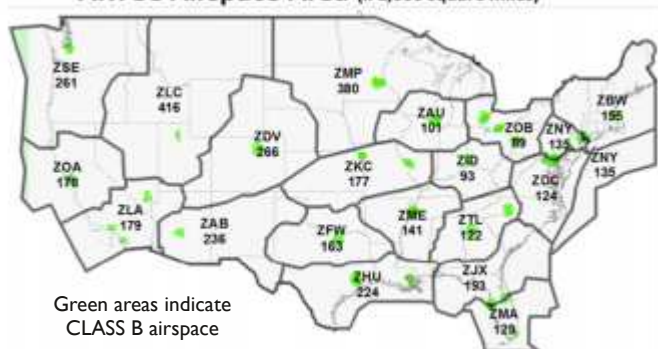
### Air Traffic Control Structure

Within the airspace around Chicago, the **Tower** at O'Hare controls the Class B. The **Chicago TRACON** (C90) facility which is located in Elgin, handles flights within its "sector," which includes northeastern Illinois, northwest Indiana and the southwestern tip of Lake Michigan. **Chicago Center**, located in Aurora, handles aircraft traveling across sectors and adjacent Centers



The way controllers handle air traffic coming into and leaving their sector is governed by **Letters of Agreement** which set out the high-level policy for cooperation between sectors and other governing bodies (e.g. operational load sharing, noise mitigation between an airport authority and a municipality, mutual support in an emergency, etc.)

### ARTCC Airspace Area (x 1,000 square miles)



Green areas indicate  
CLASS B airspace

During his presentation, Aaron willingly fielded questions that often included helpful hints to the professional, recreational, and student pilots in attendance. When asked about the best way to make a first contact with ATC, he suggested that pilots should simply state who they're calling, provide the 4-digit aircraft code and N-number, and briefly state the request, as in "Chicago Approach, C172, 6780Hotel, VFR Request." Then, wait for the controller to respond.

Aaron stated that controllers are able to quickly enter the airplane's 4-digit code into their computers which immediately determines the size, speed and altitude capabilities for any aircraft. Describing an aircraft in any other way than the code simply slows the process. A controller will know what capabilities a Piper Cherokee 140 (P28A) has, but they may not know what a Breezy can do or how many engines it has. However, if the controller types "RLU1" into the computer, the system instantly provides the necessary information. Every aircraft type, including experimental, has an "Aircraft Type Designator," usually a 4-digit code which can be found at <https://www.icao.int/publications/DOC8643/Pages/Search.aspx>

He also recommended that student pilots identify themselves as such when flying solo cross-country flights. That tells him that the student is inexperienced and under pressure and is also the only person aboard the airplane.

Aaron describes what controllers consider to be "hotspots," areas where aircraft tend to concentrate, such as navigational fixes or "intersections." One such hotspot at the northern portion of Chicago's Class B outer ring is an intersection named **HIGUH**, which happens to be in close proximity to the Northbrook VOR, the extended centerline of Chicago Executive's (KPWK) runway



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**EAA Chapter 932** is a local chapter of the **Experimental Aircraft Association (EAA)** based at Galt Airport (10C) in Greenwood/Wonder Lake, Illinois. Established in 1989, we are a 501(c)(3) corporation and a registered charity in the State of Illinois (CO#01065208)

**EAA** ([www.eaa.org](http://www.eaa.org)) is an international organization of members with a wide range of aviation interests, including vintage aircraft, aerobatics, warbirds and amateur builders. EAA Chapter 932 meetings are usually held at Galt Airport on the second Saturday of the month. Check our website for more information about the chapter and events and activities at [www.eaa932.org](http://www.eaa932.org) or on Facebook at [www.facebook.com/pages/galt-airport-young-eagles/116543021696619](https://www.facebook.com/pages/galt-airport-young-eagles/116543021696619)

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16/34 and also Campbell Airport (C81).

Looking at it on screen during his presentation, it's easy to realize why controllers consider that area a hotspot!

It was interesting to note that controllers speak in



terms of "their" airspace, expressing ownership of areas often defined by geological features, such as rivers, highways or identifiable buildings: "We own everything north of the Eisenhower. Midway owns south of the Eisenhower." Or, when flying along the lakefront: "2,500 feet is good for O'Hare, until you get south of Navy Pier. Then you need to talk to Midway."



One surprise was that ATC doesn't rely on and may not see ADSB-Out signals. Aaron told us that radar provides controllers with a more immediate indication of an aircraft's location. In the Chicago area, radar is referenced to the area expressways on ATC screens. He stated that ADSB can provide pilots with information in areas where there is spotty or no radar coverage. ATC is not an enforcer of ADSB rules.

Finally, Aaron finished the morning's presentation with a number of entertaining exchanges that happen between ATC and pilots. Take that as a reason be sure to attend the next gathering! 📍

## Flight Training Scholarship

UPDATE DUE TO CORONAVIRUS

### SCHOLARSHIP DEADLINE EXTENDED

The EAA 932 Scholarship committee is aware that many students are having medical exam appointment delays and are unable to obtain a medical certificate at this time. In addition, until operations return to normal, there may be flight instruction delays that impact the start of flight training. We have extended the deadline for the Ed Moricoli Memorial Flight Training Scholarship Application to June 1st, 2020. We are hoping to award this scholarship by June 13th.

The deadline for nominations for the 2020 Ray Aviation Flight Training Scholarship as set by the EAA is still October 31st. We will reach out to nominees by phone or arrange a remote chat for person-person discussion.

It has been an extraordinary few weeks as our world faces this historic challenge. We will continue to post additional information on the website as these changes unfold.

We hope this finds you all well,

*Deena Schwartz, Daniela Knoll, Ron Friend, Justin Cleland, Rebekah Busse*  
EAA Chapter 932 Scholarship Committee

WORDPLAY...



# Cloud Storage

Where better to store words that come straight out of the **Pilot's Handbook of Aeronautical Knowledge** chapter on Weather Theory?

There are 40 weather terms you should be familiar with in this word search puzzle. Some are easy to find, like the one across the top. Others are more hidden. They might be vertical or at an angle, (but none are backwards).

Every word in this list can be found in the "word cloud" above.

ADVISORY	DRY	HIWAS	RAIN	SURFACE
AIR	FOG	ICING	ROTATION	SYSTEM
ALOFT	FRONT	LOW	SHEAR	TAF
CIRRUS	FROST	MASS	SNOW	TREND
CLEAR	HAIL	METAR	SQUALL	UPDRAFT
COLD	HAZE	MOIST	STANDARD	VAPOR
COOLING	HEATING	NWS	STEAM	WARM
DEW	HIGH	PIREP	SUBLIMATION	WIND

As a bonus, once you've found all 40 words in the list below, put seven of the unused letters in the spaces below to spell out one of the things that draws folks to Oshkosh each year:

\_\_\_\_\_

*I suggest that you print out this page because your editor hasn't figured out how to make it solvable on a computer screen.. The answer key is on this page at the right - but no cheating!*



# Off the Top of My Head

Cogitations from the Editor

## Getting Your Aviation Fix at Home

I trust that all of us non-essentials are not contributing to the crisis by staying home. In our house, Marie has limited my trips to just picking up necessities, which consists of all of the stuff on her list, and the coffee, beer and cookies on mine.

In some cases, this stay-at-home thing can be the mother of invention. With the help of two mirrors and Rocko's grooming clippers, I discovered that I can give myself a trim, although my wife describes it as a "self-inflicted haircut."

I confess to missing some of my favorites haunts, such as my personal happy place, Menards ("Oh, oh, I need a fender washer... common, Rocko!") There's also Greenwood's friendly General Store and of course, our little bit of heaven, Galt Airport.

The airport is open and self-serve avgas is available, but the FBO, the heart of the airport, is closed. I sympathize with JB's dilemma: it would be impossible for two people to maintain the 6-foot social distancing requirement in the front office unless one of 'em was in the bathroom.

For anyone who may have spent the past few years living under a rock, or who suffers from chronic Luddite syndrome (not that it's a bad thi...yeah, it is.), might not be aware of the wealth of good information and instruction that's on-line and mostly for free. It turns out, remote learning isn't just for kids, and YouTube isn't all about cat videos.

Sure, you can still pay for a full course of instruction. Heck, even John and Martha King have moved from VHS tapes to Internet streaming. (It might be a

comfort, or not, to know that their presentation style hasn't changed. Neither has Rod Machado's.)

However, there's an abundance of good instruction, useful tips, intelligent discussion and simple enjoyment that can be viewed in the snugness of your own home at no cost whatsoever. In the interest of feeding my own jones for things that fly, I've bookmarked a bunch of what I think are worthwhile, on-line destinations. You may see an occasional ad, but

for the most part, these are real people who have the same passion for aviation that we have and are willing to share it. Check 'em out. You might find some kindred spirits.

*Here are some of my favorites...*

At the top of my list is **Juan Browne**, a 50-something pilot for American Airlines who has a genuine, wide-ranging curiosity and a "just-the-facts" sensibility. He made a name with his postings

during a spillway failure at California's Oroville Dam in 2017. His experience as Leadplane pilot for tanker drops on forest fires informed Juan's coverage of the horrific CA wildfires. He owns what he affectionately calls his "Mighty Luscombe." You can find Juan at:

<https://www.youtube.com/user/blancolorio/videos>

**AVweb** is where, among other aviation news, you'll find reports and reviews from my favorite aviation reporter, **Paul Bertorelli**. Paul is the guy I want be when I grow up. His reviews are informed and casual, with a wry sense of humor. <https://www.youtube.com/user/AVweb/videos>



*Stay safe...stay home.*

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Student pilots can find a treasure trove of free, in-cockpit, flight training videos at Jason Schappert's **MzeroA** channel. I find them helpful when I feel the need to review a specific procedure or maneuver:

<https://www.youtube.com/user/MzeroAFlightTraining/featured>

Another favorite is Steve Thorne's **Flight Chops** channel. When you see Steve, you'll understand the name. Steve is a regular guy, who had a background in video production and earned his private pilot ticket. He loves to fly and learn, and shares his experiences as he goes along. <https://www.youtube.com/user/FlightChops/videos>.

The most valuable flight training video I ever saw was one Steve did with CFII Dan Gryder last summer. Take the time to watch it. It could save your life: [https://www.youtube.com/watch?v=m\\_tKShlf\\_gU&t=468s](https://www.youtube.com/watch?v=m_tKShlf_gU&t=468s)

If you've ever wondered why the engine nacelles on older 737s are flatter on the bottom, or what's inside those strange looking pods under the wings of some airliners, Captain Petter Hörnfeldt, a Swedish airline pilot based in northern Spain has the answers. Everything you've been too embarrassed to ask when you're looking out the window of the flight you just boarded has probably been addressed on Petter's **Mentour Pilot** channel at: <https://www.youtube.com/channel/UCwpHKudUkP5tNgmMdexB3ow/videos>

Want to check out Elvis's abandoned jet in Roswell, NM or what's it like to land a Cessna at O'Hare? Then ride along with Josh Flowers on his flying adventures on his **Aviation101** channel at <https://www.youtube.com/user/MrAviation101/featured>

## Don't Forget That You're a Member

There's an extraordinary range of aviation news, on-line workshops, seminars, and member forums that come with **EAA** and **AOPA** membership.


The **EAA** has over 560 webinars and over 600 Hints for Homebuilders available at the click of a mouse button! Click this link to open a world of great information: <https://eaa.org/Videos/Webinars>

Re-live some of the excitement of **AirVenture**! There are almost 900 videos that will help scratch that itch at <https://eaa.org/Videos/AirVenture>

Our friends at the **AOPA** produce a weekly aviation news program viewable at <https://aopalive.aopa.org/> and also offer no less than *five* different podcasts to help keep you engaged, including their popular **Hangar Talk**, **There I Was**, and **Never Again!** podcasts. Tune into any of them at <https://www.aopa.org/news-and-media/podcasts/podcasts>

When your Internet connection is a bit iffy, you can still find a wealth of good aviation information and stories that can be read on-line or downloaded and printed at the venerable **Air Facts Journal** (<https://airfactsjournal.com/>), first published in 1938 by Leighton Collins and now maintained on-line and ad-free by Sporty's. Three articles that first appeared in the pages of our own **Galt Traffic** can even be found in their archives!

There are tons of other great aviation related sites, so be warned: once you find some intriguing aviation videos on-line, you'll find yourself following links to other channels and the next thing you know, hours have past, your better-half has gone to bed, and the dog is getting ready to gnaw his leg off.

Be safe, but take the time to have some fun. 

## Planes on Posts

Sometimes it's good to get off the highways and simply enjoy the ride. Tends to drive the passengers in my car nuts! But every once in a while, we get a surprise, like this little tin Piper Cub on top of a tall pole near the intersection of Iowa's Highway 30 and a gravel road named Echo Avenue. As you can see, is just a very short way from the middle of nowhere. Beyond that info, I got nuthin'!

Spot a Plane on a Post?  
Take a pic and email it to:  
[editor@eaa932.org](mailto:editor@eaa932.org)



# The President's Page

*Arnie Quast, President, EAA Chapter 932*



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## *Hello EAA 932 Chapter Members,*

It is amazing how times can change over the course of a month. Who ever imagined that we would be dealing with a worldwide pandemic that has brought life as we know it to an entirely different dimension? Just like myself, I am sure that many of you are trying to process where we are, and what the next several months will look like as we work our way through this crisis. In order to do our part to be safe, our EAA 932 board elected to cancel all chapter activities through at least June. When the Covid-19 pandemic improves, we will hopefully continue our chapter gatherings. This year



I am envisioning that if we do have gatherings, they will be very scaled down. As I write this report, Airventure in Oshkosh is still scheduled to happen. EAA Headquarters stated that they would make their final decision in May about hosting Airventure 2020. The days and weeks ahead will be very dynamic in all of our lives. We all have to stay positive, and follow all of the guidelines to be safe. Our chapter, along with the Galt Airport community will support each other as we work through these very challenging times.

## March Gathering

On March 14th we were able to have one final chapter gathering before strict guidelines were imposed on groups being together in Illinois. We hosted Air Traffic Controller Aaron Barclay from the Chicago TRACON. The turnout for this gathering was amazing. Aaron spoke to us about many of the ins and outs of flying around our Chicago Class B airspace. His presentation was very interactive, with many people in the audience that asked meaningful questions. Along with the presentation attendees were able to earn WINGS credit from the FAA Safety Team program. After the presentation we enjoyed an informal lunch consisting of Chicago style hot dogs, chips, and salad. As always a heartfelt thanks goes out to Bill Tobin for preparing our lunch.



*EAA Chapter 932 President Arnie Quast invites Aaron Barclay to join the luncheon after presenting him with one of the chapter's CWOS t-shirts in appreciation.*

## Membership Enhancements

Our Membership Director, Chad Genengels, is in the process of migrating our existing chapter membership roster over to a new Chapter Roster Program provided by EAA. This program will allow us to better track our membership. The roster program provides a means to have pictures of our members, and other database points to help with Young Eagles Rallies and many other facets of managing our chapter. As we perform this migration, we might be reaching out to

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our members to verify their information, perhaps ask for a picture, and verify membership status in EAA 932. We will provide more information on this enhancement as we get it up and running.

**Roster Management**  
EAA Chapter 932

Home | Member Search | Expanded Search | Change Password

EAA Member Search (Advanced Search)  
NOTE: To Display all records, leave the form blank and Press the "Search" button.

Search: [ ] Route: [ ] First/Last Name: [ ] Last Name: [ ] Current Members: 96  
Results To Excel: [ ] Record Status: Active | Member Type: Select | Current Status: Select | Expired Members: 20  
Results To Word: [ ] Results in Photo View: [ ] New Members: 57  
Add a new Person!

**EAA Member Information** Display Private Information

First Name: Arnie	Address 1: 2708 Writing Ct.	Home Phone:	
Last Name: Quast	Address 2:	Cell Phone: 815-403-1895	
Nickname:	City: McHenry	Email: arniequast@gmail.com	
Spouse/Other:	State: IL	License/Rating/Skills: PPL,CFR, Commercial, ATP	
Gender:	Zip Code: 60055	Aircraft Owned: F92B	
EAA#: 472268	Country: USA	Aircraft Project:	
EAA Expiration: 8/31/2025	Birth Date:	Aircraft Built:	
Member Type: Family	Joined: 07/1984	Participation: IMC; No VMC; No	
Status: Active	Expires Date: 1/31/2021	Young Eagles: P/00; Yes Volunteer: Yes	
Chapter: EAA Chapter 932	Other Info: Captain United Airlines	Youth Protection: 1/21/2002	
Web Admin Access: No Access		Background Check: 3/7/2002	
User Name: ArnieQuastEAA932		Eagle Flight: P/00; Yes Volunteer: Yes	

*EAA's Chapter Management Program  
being implemented by our Membership  
Chairman, Chad Genengels*

### Moving Forward

As we move into the warm weather months, hopefully we will once again have the opportunity to gather as a chapter, and perhaps enjoy some flying. Stay safe, and I hope to see everyone around the airport once things improve.

Best regards,

*Arnie*

## Masterflight Foundation offers free live webinars

The Executive Director of the **Masterflight Foundation**, Mordechai Levin, has invited members of EAA932 to participate in any of Masterflight's free live seminars coming up during the month of April. There are four areas of interest available to choose from:

- **Secrets To Pass Your Private Pilot Check Ride And X-Country Flight Planning**
- **Secrets To Pass Your Instrument Rating Check Ride and IPC**
- **Ace Your Private Pilot Knowledge Test & Get A NEXTGEN Wx Briefing**
- **Ace Your Instrument Rating Knowledge Test & NextGen Wx Brief & File ICAO Flight Plans**

The complete schedule appears below and can be accessed at

<https://master-flight-training.org/webinar-type/free/>

### Private Pilot Checkride and Knowledge Test Free Webinar:

- April 6, 17:00 CDT **Secrets To Pass The Private Pilot Checkride**
- April 8, 17:00 CDT **ACE The FAA Private Pilot Knowledge Test**
- April 13, 17:00 CDT **ACE The FAA Private Pilot Knowledge Test**
- April 16, 17:00 CDT **Secrets To Pass The Private Pilot Checkride**
- April 21, 11:00 CDT **ACE The FAA Private Pilot Knowledge Test**
- April 22, 11:00 CDT **Secrets To Pass The Private Pilot Checkride**
- April 28, 17:00 CDT **Secrets To Pass The Private Pilot Checkride**
- April 29, 17:00 CDT **ACE The FAA Private Pilot Knowledge Test**

### Instrument Rating Checkride and Knowledge Test Free Webinar:

- April 7, 17:00 CDT **Secrets To Pass Your Instrument Rating Check Ride and IPC**
- April 9, 17:00 CDT **ACE Your Instrument Rating Knowledge Test**
- April 14, 11:00 CDT **ACE Your Instrument Rating Knowledge Test**
- April 15, 11:00 CDT **Secrets To Pass Your Instrument Rating Check Ride and IPC**
- April 20, 11:00 CDT **ACE Your Instrument Rating Knowledge Test**
- April 23, 11:00 CDT **Secrets To Pass Your Instrument Rating Check Ride and IPC**
- April 27, 11:00 CDT **Secrets To Pass Your Instrument Rating Check Ride and IPC**
- April 30, 17:00 CDT **ACE Your Instrument Rating Knowledge Test**



# New service announcement from JB Aviation!



April 1, 2020

## GALTtraffic

## Sanitize Your Cessna, Purell Your Piper, Disinfect Your Decathlon!

Our friends at JB Aviation announced that they have recently acquired a lightly-used deicing vehicle from an airport in Arizona that had apparently purchased it in error. The timing couldn't have been better: aircraft owners are frantically searching for ways to decontaminate their airplanes as the need for emergency toilet paper drops has never been greater.

Galt's own Head of Maintenance, Brian Spiro, met with an on-line associate known only as "Al," who was able to provide the necessary sanitizer. When it arrived, the team at JB worked feverishly to pump 16,150, 8-ounce bottles of *PureAl* into the vehicle's 1,400 gallon tank.

However, before filling the tank with precious sanitizer, Airport Manager, Justin Cleland,

experimented with the tanker's nozzle/pressure settings using only warm water. The resultant tests revealed that numerous configurations served to remove wing fabric and paint from various types of aircraft. Coincidentally, he also discovered that cows from the adjacent pasture appear to enjoy the more moderate settings as they now show up daily along the fence line for what Justin good-naturedly refers to as "target practice."

If you've been trying to figure out where to sterilize your Swift or freshen your Fairchild, call the office at Galt today to reserve your plane's spot on JB's *Sanitizing Schedule!*

### CAUTION:

- Not recommended for open cockpit aircraft.
- Some shrinkage may occur.

