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[login.microsoftonline.com](https://login.microsoftonline.com)

# Uncontrolled Airspace

The Newsletter of EAA Chapter 1310

April, 2022

## Next Meeting

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Wednesday April 13, about 7:45 PM at Skylark Airport.

We return to the second Wednesday of the month for meetings through October.

In this month's chapter video, Charlie Becker talks about the upcoming One Week Wonder project at AirVenture 2022, EAA Learn to Fly Day, International Young Eagles Day, and chapter opportunities at AirVenture.

## VMC Club Meeting

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Wednesday April 13, 7:00 PM

Topic: Airport Hot Spots.

### Change to online instructions

The meetings will be available both in person at Skylark Airport, and online through Zoom. To join online, follow this link

<https://us02web.zoom.us/j/83844740371?pwd=dmt2SiswdjR2bTVrZXp0dkFjS1Y4Zz09>

or if you have the Zoom application installed, join with:

Meeting ID: 838 4474 0371

Passcode: 927525

To help in applying WINGS credit, please register at:

[http://www.faasafety.gov/SPANS/event\\_details.aspx?eid=112045](http://www.faasafety.gov/SPANS/event_details.aspx?eid=112045)

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## Next Events

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### **Pancake Breakfast - Saturday April 30 8:30 - 11:00 AM**

We're back with our hot pancakes, sausages, scrambled eggs, along with juice, coffee, milk and fruit cup. All you can eat for a \$7.00 donation.

### **Spring Safety Seminar – Saturday May 21 10:00 AM**

In-Person safety seminars are back. We are currently arranging a speaker. An announcement will be coming out this week .

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## 2022 Membership Renewals

Renew your chapter membership through the online [store](#), or mail a check payable to EAA Chapter 1310 to the address at the bottom of this page. We'll get your membership card back to you.

Annual membership is \$25. Renew for three years for \$60. Save \$15.

Note that there are some stock images on the online store that came with the software. Purchases are processed correctly.

Thanks go out to all the members who have renewed.

## Chapter Clothing

Chapter logo T-shirts, sweatshirts and hats are available at our next meeting and event.

Hats ~~\$15.00~~ SALE \$7.50

T-Shirts ~~\$12.00~~ SALE \$6.00

Sweatshirts ~~\$25.00~~ SALE \$12.50

## **FAA Files Reveal a Surprising Threat to Airline Safety: The U.S. Military's GPS Tests**

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Excerpt from:

<https://spectrum.ieee.org/faa-files-reveal-a-surprising-threat-to-airline-safety-the-us-militarys-gps-tests>

There are some 90 ASRS reports detailing GPS interference in the United States over the past eight years, the majority of which were filed in 2019 and 2020. Now IEEE Spectrum has new

evidence that GPS disruption to commercial aviation is much more common than even the ASRS database suggests. Previously undisclosed Federal Aviation Administration (FAA) data for a few months in 2017 and 2018 detail hundreds of aircraft losing GPS reception in the vicinity of military tests. On a single day in March 2018, 21 aircraft reported GPS problems to air traffic controllers near Los Angeles. These included a medevac helicopter, several private planes, and a dozen commercial passenger jets. Some managed to keep flying normally; others required help from air traffic controllers. Five aircraft reported making unexpected turns or navigating off course. In all likelihood, there are many hundreds, possibly thousands, of such incidents each year nationwide, each one a potential accident. The vast majority of this disruption can be traced back to the U.S. military, which now routinely jams GPS signals over wide areas on an almost daily basis somewhere in the country.

The military is jamming GPS signals to develop its own defenses against GPS jamming. Ironically, though, the Pentagon's efforts to safeguard its own troops and systems are putting the lives of civilian pilots, passengers, and crew at risk.

Losing GPS completely is not the worst that can happen. It is far more dangerous when accurate GPS data is quietly replaced by misleading information. The ASRS database contains many accounts of pilots belatedly realizing that GPS-enabled autopilots had taken them many kilometers in the wrong direction, into forbidden military areas, or dangerously close to other aircraft.

For such a vital resource, GPS is exceedingly vulnerable to attack. By the time GPS signals reach the ground, they are so faint they can be easily drowned out by interference, whether accidental or malicious. Building a basic electronic warfare setup to disrupt these weak signals is trivially easy "Detune the oscillator in a microwave oven and you've got a superpowerful jammer that works over many kilometers.

In at least a handful of episodes, the loss of GPS was deemed an emergency. Pilots of five aircraft, including a Southwest Airlines flight from Las Vegas to

Chicago, invoked the "stop buzzer," a request routed through air traffic control for the military to immediately cease jamming. According to the Aircraft Owners and Pilots Association, pilots must use this phrase only when a safety-of-flight issue is encountered.

NOTAMs now encourage pilots to report all GPS interference, but many of the RTCA's other recommendations are languishing within the Office of Accident Investigation and Prevention at the FAA.

Additional IEEE Spectrum articles related to this topic:

FAA Fumbled Its Response To a Surge in GPS Jamming

<https://spectrum.ieee.org/gps-jamming>

Protecting GPS From Spoofers Is Critical to the Future of Navigation

<https://spectrum.ieee.org/gps-spoofing>

## **Internet Movie Database for Airplanes**

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Have you ever wondered what model airplane was used in a particular movie? Well, there's now a way to find out.

Visit <https://impdb.org/index.php> From there you can search by movie or TV show to see the airplane in it. There are also entries if you want to see a particular airplane that was used in video games. You can also search by aircraft model to see where it was used, along with a list sorted by Airline. They also have included rockets used in TV and movies in the database.

It's a wiki style web site, so you can sign up to make edits to improve the accuracy. Currently they have 881 aircraft which are in the unidentified category.

## **Local Aviation Event Schedule**

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Visit the [eaa1310.org](http://eaa1310.org) Calendar page for updated listings and more information about these events.

### ***Reoccurring Events***

Chapter 1310 Meetings – 2<sup>nd</sup> Wednesday of April – October at 7:45 PM  
2<sup>nd</sup> Saturday of November – March at 10:00 AM

Chapter 166 Meetings – Last Saturday of month 10:00 AM (Except July, Nov & Dec) at Hartford Jet Center, 20 Lindberg Drive, Hartford. <http://www.eaa166.org>

Chapter 27 Meetings – 3<sup>rd</sup> Sunday of month, 10:00 AM at Meriden Airport  
<http://eaa27.org/>

Chapter 324 Meetings 1<sup>st</sup> Wednesday of month, 7:00 PM Simsbury Airport  
<https://www.facebook.com/eaa324/> <https://chapters.eaa.org/EAA324>

Chapter 1620 Meetings 2<sup>nd</sup> Tuesday of the month, 6:00 PM, Barnes Airport Hangar 3, 111 Airport Rd. Westfield, MA. 01085 <https://chapters.eaa.org/eaa1620>

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### **2022 Aviation Events**

**June 18 – Oct 16      Old Rhinebeck Aerodrome Weekend Airshows, Rhinebeck, NY**

The Saturday “History of Flight” program highlights the Pioneer era before WWI, WWI Show teaser, and the Golden Age of Aviation in the '20s and '30s.

The Sunday Show is our WWI dog fight spectacular with a hero, a heroine (Cheer!), the villainous Black Baron of Rhinebeck (Boo!), scenery, pyrotechnics and a WWI tank. The supporting cast includes many antique automobiles.

**June 25 – 26 Ocean State Air Show, Quonset, RI**

F-22 Raptor Demo Team, AV-8B Harrier Demo, C-130J Hercules Demo

<https://oceanstateairshow.com>

**July 25 – 31 EAA Airventure, Oshkosh, WI**

<https://www.eaa.org/airventure>

AeroShell Aerobatic Team (T-6), Chuck Aaron (helicopter aerobatics), Eric Edgren (T-Clips), Kyle Fowler (Rutan Long-EZ), Kyle Franklin Comedy Act (Piper Super Cub), Mike Goulian (Extra 330C), Nathan Hammond (Super Chipmunk), David Martin (Beechcraft Baron), Patriot Parachute Team, Jim Peitz (Beechcraft 33C Bonanza), RAD Aerosports Jet Waco w/ Dell Coller, Red Bull Air Force (Kirby Chambliss, Aaron Fitzgerald, Kevin Coleman), Red Line Air Shows (RV-8 and Extra), Bill Stein (Zivko Edge 540), Skip Stewart (Pitts S2S Prometheus), Trojan Phlyers (T-28s), Patty Wagstaff (Extra 300S), Matt Younkin (Twin Beech)

**August 20 New England Air Museum Space Expo**

Featuring Keynote Speaker: Former NASA Astronaut Thomas D. Jones, PhD

**September 24 – 25 Simsbury Fly-In, Car Show & Food Truck Festival**

(Food trucks only on September 24)

**2023 Aviation Events**

**March 28 - April 2 Sun 'n Fun Aerospace Expo, Lakeland, FL**

US Navy Blue Angels

**June 24 25 Rhode Island National Guard Open House Airshow**

US Navy Blue Angels

**July 24 – 30 EAA Airventure, Oshkosh, WI**

**September 9 – 10 Thunder Over New Hampshire Air Show**

Pease ANGB, Portsmouth, NH

*If you have a topic you would like to see covered in our monthly newsletter or photos that may be of interest to our members, please send a note to Paul at [info@eaa1310.org](mailto:info@eaa1310.org)*