

# Plane & Pilot News

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**Keeping You In Touch  
With The World Of General Aviation**

A PUBLICATION OF PLANE & PILOT NEWS, INC., JETWAY AIRPORT, 7600 PECK RD., RAVENNA, OHIO 44266

Photo; FlightFlix.aero



## **Lights, Camera, Action!**

*by Nic Martinez, FlightFlix.aero*

Many people ask us what is the best way to mount my camera on my plane? Well, that depends. . . Flight Flix, born in aviation, is a camera mounting company that has a legacy of meeting and exceeding the needs of aviators who want to mount portable, lightweight cameras like GoPro and Insta360 to obtain spectacular photos and video. We provide the equipment for the safe installation of lightweight portable cameras onto

See "Lights" on Pg 3

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# "It's My Opinion"

Editorial Column by Beverly Hartong

## Is the future Electric?

I am a realist and maybe a little old fashioned, but I honestly don't think our world needs to be moving to all electric. I also am not sure mining for all the battery components is very "earth friendly" either. As a matter of fact, the thought of all electric scares me! Have you given much thought to the "everything elec-

tric" push? Why ban gas stoves? Gas cars? Make planes change their fuel source? Have you considered the consequences of this move?

I am including an article written by AIN and published in AOPA Briefs, I would like your opinion on this it new aircraft. Does the flight range

See "It's" on page 10

# Aviation Law

By William (Bill) Hayes



Bill Hayes

## Ohio, Legal Marijuana, and the FAA

On December 7, 2023 Ohio Issue 2, which make marijuana legal in Ohio, went into effect. The new Ohio law allows possession of up to 2.5 oz of cannabis and up to 15 grams of extracts.

The question now that comes up, "What does this mean to pilots in Ohio?"

The simple answer is that it does not mean a thing.

Let's start with the proposition that the federal government classifies marijuana as a Schedule 1 Drug. The feds also do not recognize any medical use for marijuana. It is a federal offence to use or possess marijuana.

Now unless you are growing large quantities of marijuana, or you are growing it on federal property, or are in the marijuana transportation industry, federal agencies rarely take any great interest in prosecuting marijuana related offences

Just because some states, including Ohio, have now legalized the use or possession of marijuana, it does not mean that it is a good idea to smoke

marijuana for those in the aviation field. There are still lots of consequences if being caught with or using marijuana.

The federal government regulates drugs through the Controlled Substances Act, 21 U.S.C. § 811. A first-time conviction for possession of marijuana carries with it the potential of up to one year in jail and up to \$1,000 fine. For a second offense there is a mandatory 15 days in jail. The good news here is that you will probably be in a federal jail which is much nicer than the average municipal or county jail. A third offense conviction can be a felony. With any luck at all you could be in a cell with a person convicted of violating copyright warnings posted at the beginning of a home DVD movie.

In times past, where I typically saw marijuana possession being a problem were motor vehicle stops. Here is what typically happened: A car is stopped for a simple traffic law violation; the officer asks the driver of the car if there are any illegal drugs

or large sums of money in the car. The driver thinking that marijuana is not illegal responds; "No," and then grant permission to search the car. The officer then proceeds to search the car and finds the marijuana, usually in the console between the two front seats.

I will not be seeing these cases anymore.

But life for a pilot is not that simple, The Application for Airman Medical Certificate, question 18.n. asks, "Substance dependence or failed drug test ever: or substance abuse or the use of illegal substance in the last two years."

Marijuana has been illegal for more than 50 years according to the Federal Government. It qualifies as an illegal substance. Obviously, if you have used marijuana, even Ohio legal marijuana in the last two years the answer to question 18 n. must be, "Yes."

You can expect your medical examiner to ask some follow-up questions. This is actually where life gets both very simple and

See "Ohio" on page 15

### DISPLAY ADVERTISERS INDEX

	Page #
• A.E.R.O.	15
• Aero Pro Avionics	10
• Aero Structural Testing	6
• Aircraft Hose Store	12
• Airport Windsock Corp.	6
• AOPA	5
• Appareo	9
• Aviation & Aerospace - Detailing & Restoration	11
• Aviation Seminars	14
• AvMap	10
• Avtek	3
• BrightPortal	19
• Bruce's Custom Covers	12
• Canton Aircraft Sales	18
• Carrol Center for Aviation Medicine	20
• Carroll Co. Airport Restaurant	18
• Classic Jet Center	11
• Cleveland Jet Center	5
• Collins Equipment Co.	6
• Custom Aviation	6
• David Bishop Aviation	15
• Dr. Max L. Denton	3
• EAA	20
• Eagle Flight Simulation	20
• Fairfield County Airport	21
• Flightoutfitters	22
• ForeFlight	14
• FreeFlight	17
• Fremont Airport	3
• Gemco	18
• Gleim Aviation	17
• Guardian Avionics	10
• Hartong Electric	19
• Lightspeed	11
• Lindy's Aircraft Caddy	19
• Moody Aero-Graphics	6
• MyGoFlight	23
• National Aviation & Marine Underwriters	18
• Northeast Ohio Regional Airport	3
• Novak Aircraft Maintenance	7
• Ohio State University Airport	17
• Packer & Assoc.	15
• Plane Works	20
• Polestar Aviation	21
• Poplar Grove	14
• Preferred Airparts	13
• Rose Marie Kern	20
• Roy's Stow Travel	15
• Schwiess Doors	6
• Skysurance Agency	21
• Sirius XM	20
• Sporty's	24
• The Agent Insurance	7
• Tiffin Aire Inc.	12
• Tim Hartong	3
• Tin Goose Diner	17
• Tri-Tex Air	20
• Vee Neal	8
• William F. Hayes	3

## SUBSCRIPTION FORM

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"Lights" from page 1

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FAA and our mounts are compliant. Ultimately, the Pilot in Command (PIC) is operationally responsible for the gear, installation and safe use of mounts while flying. Any mounted device to the exterior of an aircraft needs additional

scrutiny and care. Pilots will be careful to not position their mounts that would obstruct or interfere with any controls or impede airflow or be mounted forward where the camera could come off and damage a propeller, elevator, or other control surface.

Our mount solves the problems that are caused by heat, cold, vibration and dust. Mounting location are limited by location, visibility, hardware availability, and safety considerations.

Our diverse product line allows users to select the perfect mounting location on the aircraft and pair it with a semi-custom mounting solution. For example, the Bananasssss product is a tail wheel mount that is used with an aluminum pole for extending the distance from the aircraft and the camera. And with sophisticated software the camera can "hide" the pole from being in the image or video. Essentially, erasing the pole, allowing the camera to appear to be floating in space as it creates the image. Simple installations with the necessary tools and instructions are included in the kit.

**Bananasssss Tail Wheel Pole Mount (FF-BSCAZ) FlightFlix.aero**

This clamp base combination with pole is popularly used by social media influencer Bananasssss. This all-alumi-



num clamp with extension pole allows you to mount your 360 camera the extra distance for a better image. The clamp base clamps around your tail wheel leaf spring. The pole is adjustable with a strong stainless-steel rosette locking joint and is easily installable/removable and easy to stow.

Our knowledge base has grown over the years, and we have some additional thoughts about how to use your cameras in aviation.

You'll want some additional avail-

See "Camera" on page 4

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“Camera” from page 3

able accessories to increase battery longevity, reduce vibration shake, and provide metal camera cases and prop filters for visibility and safety.

Cameras like Go-Pro and Insta360 have software that help minimize vibration. This image stabilization feature uses battery very quickly. To reduce this effect, aviators will use our VibeX technologies that will reduce vibration, increase battery life, and produce better images and videos.

When using commercial off the shelf (COTS) cameras you will notice they are very well



engineered to work well on the ground. The camera shells are made of ABS plastic and are susceptible to breakage during cold weather flights or cold at higher altitudes. The solution is to use a metal, camera safe cases. The metal construction and precision engineering will keep the camera case from breaking and will provide safe housing

during flights.

For internal cameras, we find that many aviators will mount their cameras on the glareshield, dash, or hang from the ceiling and video their flight through the propeller. This prop wash is distracting and makes it difficult to see what the pilot sees. The camera case is a standard 52mm lens receptacle that will accommodate UV and ND filters, depending on the environment and sun. The Camera Safe case comes with UV filter, lens cap, adapter, wrench, and adapter screws. <https://flightflix.aero/collections/safe-case>



Some people know MyGoFlight, (MGF purchased FF in June of 2023) for their design, style, ruggedness, and customer care. It is our intent to build Flight Flix into an innovative and professional company just like MyGoFlight.

Product quality, experience, and credibility will drive your decision on who to

purchase these items from and we hope that this information and a quick visit to our websites will provide you with the confidence to begin making cool images and videos. Please call us or email us. It would be our pleasure to assist you.

Don't forget to visit our site for more information regarding installations. <https://flightflix.aero/pages/faa-guide-to-camera-mounts>

Clear Skies!



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# “Turning the Tide - 1944” 80-year commemoration at EAA AirVenture Oshkosh 2024

EAA will pay tribute to the heroes and sacrifices made during the Normandy landings on D-Day (June 6, 1944), and throughout the year 1944, with an 80-year “Turning the Tide” commemoration at EAA AirVenture Oshkosh 2024 on July 23 and 24.

“As the number of veterans from WWII who are still with us are dwindling, it is important to commemorate the events of 1944, and the importance of the campaigns in both Europe and the Pacific to preserve freedom,” said Rick Larsen, EAA’s vice president of communities and member programs, who coordinates AirVenture features and attractions. “This year’s programming during AirVenture week will connect the human events and aviation history of that year so those of us today have a better understanding of those times.”

A collection of C-47s from the D-Day Squadron will be on display as part of the commemoration. The Squadron features a fleet of unique C-47 aircraft from throughout the United States. Many of these aircraft will be part of a commemorative mission to Europe in May and June 2024. The C-47 played a vital role in transporting more than 13,000 paratroopers to Utah Beach for the Normandy landings.

Afternoon air shows on July 23 and 24 will feature warbirds from both the Pacific and European Theatres including the World War II Airborne Demonstration Team. The team will be jumping from their own C-47 using traditional round canopy parachutes, reminiscent of the paratroopers of the 82nd and 101st Airborne Divisions who risked their lives in Normandy.

The Theater in the Woods presentation

on the evening of Tuesday, July 23, will focus on 1944 as well. The presentation will be split into two parts; the first will retell the story of 1944, while the second part will go into detail about the aircraft. More details about the presentation, including guests, will be announced as they are finalized.

Additional aircraft that played key roles in 1944 have also been invited to participate, and EAA and the EAA Warbirds of America continue to plan activities as part of the commemoration.

About EAA AirVenture Oshkosh  
EAA AirVenture Oshkosh is “The World’s Greatest Aviation Celebration” and EAA’s membership convention. Additional information, including advance ticket and camping purchase, is available at [www.EAA.org/airventure](http://www.EAA.org/airventure). For more information on EAA and its programs, call 800-JOIN-EAA (800-564-6322) or visit [www.EAA.org](http://www.EAA.org).



Old Crow Mustangs By Jim Koepnick



C-47s Airshow - AirVenture 2021\_ ByLewisBerghoff



C-47 Static Display Close-up\_ByAISauer

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## Grab your bag, Let's Fly



Tim Hartong

Hello everyone, the weather is starting to get the grass growing and the flowers blooming. Warm weather is on its way. I really hate the snow and cold weather, we need to move to a warmer climate where I can fly, play golf and wake up to sunshine every day.

Speaking of Spring, the kickoff of the aviation season starts with Sun 'n Fun. This year is their 50th Anniversary, they started back in 1974 and have continued to grow every year. Hopefully they will have good weather and no storms.

I recently received two "new and improved" flight bags from MyGoFlight. I am anxious to use them on some upcoming flights. I'm transferring all my flight and travel stuff over to them now and I am very impressed with the changes that they made and how nice they are. They did a

nice job.

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- Small format to fit into the tightest places.
- Comes with padded cross body strap for convenience.
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- Luggage tag included.
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- Limited 3 year warranty.
- You can visit their website and see all their products and also all the images for these great bags. Go to <http://www.mygoflight.com> or visit <http://www.flightflix.aero>.

Well, that's all for this month. Remember to make sure your aircraft is ready for flying.



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# The Powerful and Elegant Sparker from TL Sport Aircraft Takes Flight Across North America

*Sparker poised to take the top spot in the MOSAIC-ready / E-AB market.*

After much anticipation, the Sparker has arrived in the United States and is poised to take the top spot in the North American light sport / experimental aviation market. Distributed by TL North America, this MOSAIC-ready aircraft exemplifies the most powerful, elegant, and spacious plane to hit the market in its category. Since successfully completing the E-AB Program, the Sparker has concluded a series of flights, including multiple demonstrations, up

and down the east coast. Designed, engineered, and manufactured by TL-ULTRALIGHT, the Sparker joins an impressive fleet of aircraft models that are redefining sport aviation. The latest technology in CAD and 3D modeling was utilized to create a truly luxurious platform with amazing visibility and dynamic flight characteristics. Combining these features and amenities with the latest in Garmin avionics, the Sparker is an unparalleled cost-effective

aircraft that satisfies pilots who want an immersive and exhilarating flight experience in a roomy and relaxed cockpit.

There are a number of differentiating features that elevate the Sparker to the top spot in the MOSAIC-ready / E-AB market. The Sparker's cockpit is one of the widest in the category and can easily accommodate crew as tall as 6'5". Configured as a side-by-side two (2) seat, the Sparker's refined and expansive cockpit provides spectacular views through its canopy. Ergonomically shaped individually regulated heated leather seats guarantee the crew's comfort during long flights



at chilly altitudes.

Touting the highest MTOW in the UL / LSA category, there are no pre-flight dilemmas regarding luggage with the Sparker as it offers the largest storage compartment conveniently accessible from within the cabin as well as an external door. In

addition, there is a second smaller front compartment available too.

Cruise speeds of 190-200 mph are easily attainable with the Rotax 916iS engine. The Rotax 915iS, and EP 912 ULS engine options are also available. A DUC TYGER variable pitch propeller complements the configuration.

In keeping with the sophistication of the Sparker, the dashboard impresses like a larger class aircraft. The three (3) state-of-the-art Garmin G3X Touch flight displays are at the pilot's fingertips with an option for two (2) hideaway info-tables that hold smart phones or tablets bringing the possible configuration to five (5) displays providing the ultimate situational awareness capability.

A ballistic parachute recovery system is only one of many safety features providing peace of mind. The Sparker airframe is built with Carbon and Kevlar fibers guaranteeing the highest possible strength to protect the pilot and passenger while at the same time having the minimal possible weight. The inner part of the fuse-

*See "Sparkler" on page 8*

## NOVAK

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“Sparkler” from page 7

lage is formed by a Kevlar shell, which again guarantees maximum strength in the crew compartment as well as the highest level of security and safety.

“We are so excited to bring this phenomenal aircraft to the market here in North America. The Sparker is a result of 30 years of design excellence from the manufacturer TL-ULTRALIGHT and we believe fills the need for a cost-effective, multi-

functional, high-end LSA / E-AB aircraft. As the North American distributor, we are thrilled to represent this aircraft along with the entire fleet from TL.” says Trey Murdaugh, President of TL Sport Aircraft.

The Sparker, along with the entire TL-ULTRALIGHT fleet, are available to custom order. Flight demonstrations of the Sparker can be scheduled by contacting TL North America directly.

The Sparker, along with other TL Sport Aircraft,



will be on display at the upcoming SUN 'n FUN Aerospace Expo in Lakeland, Florida in Exhibit space LD-12. The event is April 9th-12th 2024.

**ABOUT TL SPORT AIRCRAFT:**

TL North America is the North American distribu-

tor of TL-ULTRALIGHT / TL Sport Aircraft offering the Sting, Sirius, Stream, Stream Turbo, and its most recent addition, the Sparker. With sales and service support across the United States, Canada, and Mexico through its growing network of certified dealerships, TL

North America is delivering a new level of excitement and adventure to the light sport aircraft industry. FMI: [tlsportaircraft.com](http://tlsportaircraft.com) or social platforms @ [tlsportaircraft](https://www.instagram.com/tlsportaircraft).






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"It's" from page 2

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lation of these chargers? How long does it take for it to be fully charged?

Ask questions ...

# Electron Unveils All-electric Five-seat Utility Aircraft

The Dutch start-up aims to be ready to start deliveries in 2028



A new design for the Electron 5 all-electric aircraft was unveiled this week. © Electron Aerospace

By CHARLES ALCOCK

Managing Editor ainonline.com  
March 27, 2024

Electron Aerospace is stepping up work to bring a five-seat all-electric aircraft to market by the end of this decade. The Dutch start-up unveiled an updated design for the Electron 5 model, for which it intends to start deliveries in 2028.

As battery technology continues to improve incrementally, the company believes the Electron 5 model will have an operational range of 500 kilometers (310 miles), including anticipated safety reserves for energy equal to an additional 250 km. According to co-founder and CEO Josef Mouris, for the regional air mobility market, the company initially intends to address city-pair sectors of around 370 km and at a speed of 350 km/h.

When it was launched in 2021, Electron's initial business plan was to lease and operate elec-

tric aircraft. "But we soon found there wasn't anything suitable out there," Mouris told AIN. "The [two-seat] Pipistrel [Electro] is too small and the [nine-seat] Eviation Alice still had uncertifiable engines on the wing tip back then and is simply too big for the market we want to address. We didn't want eVTOL aircraft because we don't think these fit existing certification and operating standards and will not have the required range nor the low operations costs of a pure electric eCTOL. What we needed was something like an electrified Diamond DA62, but unfortunately retrofitting does not work."

Having resolved to develop its own aircraft, Electron decided to offer this to other operators initially to establish where it might fit in the market. It has previously signed memorandums of understanding with South Korea's Mint

See "Electron" on page 12



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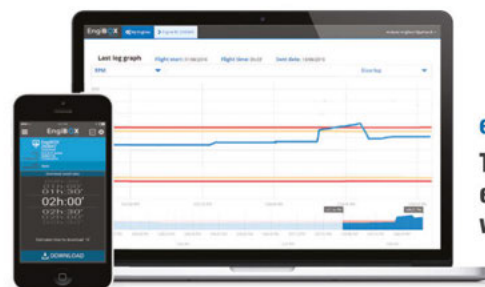
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# Hartzell Aviation Rolls Out FAA Safety Tip Videos

## Covering Cirrus SR22T, Beech Bonanza, Piper Seminole, Van's RV8



Safety tip training course leaders are (L-R) Allen Buffkin, Hartzell Engine Tech; Tom Heid, Hartzell Aerospace Welding; and Jareth Woody, Hartzell Propeller.

Hartzell Aviation has created a series of fire-wall forward safety tip maintenance training courses covering a variety of Hartzell products installed on four popular aircraft. The Hartzell Aviation videos are complimentary, and in addition, each safety tip video

qualifies for FAA credit when logged into and enrolled in the FAA Safety.gov website after successfully completing the course material.

The safety tip training courses are focused on four piston powered aircraft: Cirrus SR22T, Beech Bonanza, Piper

Seminole and Van's RV8. Each of these aircraft uses a variety of Hartzell Aviation products as part of their engine components or aircraft heating systems.

The videos are conducted by a team representing three Hartzell Aviation companies: Hartzell Propeller located in Piqua, Ohio, Hartzell Engine Tech located in Montgomery, Ala., and Hartzell Aerospace Welding located in Minneapolis, Minn.

Training course leaders are:

**Allen Buffkin**, Director of Product and Technical Support, Hartzell Engine Tech

**Tom Heid**, Director of Business Development, Hartzell Aerospace Welding

And **Jareth Woody**, Technical Representative, Hartzell Propeller

A variety of Hartzell Aviation products are discussed in the safety maintenance training videos, including:

Starters – both Lycoming and Continental style Belt and gear driven alternators

See "Training" on page 17



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**“Electron” from page 10**

Air and Australian aircraft distributor FlyOnE. Along with an agreement with Danish-German logistics group Danx Carousel, it said the value of pre-orders now totals more than €230 million (about \$250 million).

The Electron 5 design features a long wingspan, a canard, and a cruciform-configured tail. With its twin pusher propellers, the aircraft is (in appearance) somewhat reminiscent of Piaggio’s Avanti turboprop. Operating with a single pilot, it would seat up to four passengers or carry 500 kilograms (1,100 pounds) of freight on a standard European pallet and be able to operate from short landing strips of less than 800 meters (2,600 feet).

The company presented the new design to investors in late January, before making it public this week. “Taking inspiration from the albatross, our Electron 5 features an aerodynamically efficient body, robust wings, and windows that mimic the bird’s vigilant eyes,” explained Electron’s head of design, Alexander Klatt. For freight operators, the aircraft can include a cargo door in the side of the fuselage.

So far, Electron has built a

pair of cabin mockups to validate use cases with customers that could include cargo and emergency medical support, as well as passenger flights in single-pilot operations. It is working with Dassault Systèmes’ design and engineering software with plans to forge further agreements with partners to supply key technology such as the propulsion system, batteries, avionics, and other components.

**More Funding Needed to Get to Market**

Having raised an undisclosed seven-figure amount for the program, Electron is now seeking additional financial backers. Mouris acknowledged the current environment for finding investors in electric aviation is proving challenging, with more money having gone previously to eVTOL start-ups than to new fixed-wing models looking to unlock transportation options from numerous under-utilized small airports.

“Our main goal is to convert ground trips involving four- to eight-hour drives [into sub-regional flights],” Mouris explained, pointing to sector examples, such as Dutch towns Groningen, Twente, and Maastricht to larger cities like

Copenhagen, Paris, and Berlin. This approach would also avoid travelers having to make inefficient trips to larger hub airports like Amsterdam Schiphol.

Mouris, a former airline pilot with FlyBe, founded Electron with Marc-Henry de Jong, a management consultant with extensive experience in sustainability businesses. Electron’s engineering team has previously held senior roles with companies including Fokker, Airbus, GKN Aerospace, Embraer, Lockheed Martin, and General Atomics.

Initially, the business began in the UK but in the wake of the country’s Brexit departure from the European Union (EU), Electron is now incorporated in the Dutch city of Rotterdam so that it can work directly under EASA’s jurisdiction. Mouris told AIN that government funding opportunities in the EU are better suited to product development than in the UK.

The company aims to complete EASA type certification by the end of 2027. It is preparing to file an application for a design organization approval from the European air safety regulator but has not yet indicated when it intends to build and fly a full-scale prototype.



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## "Ohio" from page 2

complicated at the same time. The question, "Have you ever use(d) illegal substances in the last two years?", is a lot like the question, "Have you ever advocated the overthrowing the of the United States Government? The obvious answer is, NO. Any other answer is going to create a lot of problems.

That being the case, if you want to be a professional or non-professional pilot, you do not ever want to be put into the position where you have to answer those questions, "yes."

Don't even think about lying on your FAA medical application. If you are caught, this can be a felony in violation of 18 U.S.C. 1001. I personally find it offensive that the federal government can be untruthful with us, but we are not allowed to lie to the federal govern-

ment. That's the law and we have to live with it. The FAA takes an equally dim view of falsification, and the only penalty allowed under the Federal Aviation Regulations is a revocation of all your certificates.

A revocation is not all that bad, after one year, if you want to fly again, all you will have to do is re-take all the writtens, and all the practical examinations, for all your certificates. You do get to keep all the hours you have accumulated.

There are other possible offenses, 14 C.F.R. 91.19 prohibits the transporting of marijuana or other narcotic drugs in a civil aircraft. 14 CFR 61.15 provides for the suspension or revocation of all your certificates and loss of your aircraft if caught transporting illegal drugs. Even if you are in a state where marijuana is legal.

Here is the bottom line. Marijuana is an illegal substance. Before you use marijuana in any form contact your airman medical examiner. Further do not rely on advice from your family physician regarding the FAA position on marijuana use. The AMA is not the FAA.

The FAA has created an information circular cleverly called, "Marijuana Can't Fly". It is available on the web and is a bit scarier than this article.

Here preventive action is probably the best action. If you are looking at an aviation career don't use marijuana and/or any illegal drugs. It really is that simple.

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# PILOTS CALENDAR

**PLEASE CHECK WITH CONTACTS FOR THESE EVENTS FIRST. IN CASE EVENTS ARE CANCELED AND POSTPONED AGAIN.**

NOTE: IN AN EFFORT TO HAVE SPACE AVAILABLE TO EVERYONE WHO WISHES TO LIST THEIR EVENT IN THIS COMPLIMENTARY SERVICE, ALL PARTICIPANTS NEED TO FOLLOW THESE GUIDELINES:

WHO: ABC CLUB  
 WHAT: AIR SHOW/CHILI DINNER  
 WHEN: DECEMBER 1-2  
 TIME: 1 PM TO 7 PM  
 WHERE: PORTAGE METRO (INCLUDE IDENTIFIER)  
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**SUNDAY, MAY 19, 2024**

2:00 PM - GEAUGA COUNTY AIRPORT-WANNA FLY FLYING START EVENT (EAA CHAPTER 5 WILL BE HOSTING THEIR SECOND BI-ANNUAL "FLYING START EVENT" FOR ADULTS (18 & OLDER) WHO WOULD LIKE TO FIND OUT MORE ABOUT LEARNING TO FLY! THE EVENT WILL START WITH A SOCIAL / MEET AND GREET AT 2:00 PM. AT 2:30 PM THERE WILL BE A CLASSROOM PRESENTATION (WITH INFORMATION ON COSTS, TIME COMMITMENTS AND LEVELS OF CERTIFICATES POSSIBLE). FLIGHT SCHOOLS AND VARIOUS DISPLAYS WILL BE AVAILABLE, AND GUESTS WILL HAVE THE OPPORTUNITY TO WALK AROUND TO TABLES TO GATHER INFORMATION. AFTER THE PRESENTATION, FREE

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**JULY 8-12, 2024**

EAA CHAPTER 5 SUMMER YOUTH AVIATION CAMP 2024 THE MEMBERS OF THE EXPERIMENTAL AVIATION ASSOCIATION CHAPTER 5 ARE PROUD TO ANNOUNCE ENROLLMENT FOR THEIR ANNUAL WEEK-LONG DAY CAMP FOR MIDDLE SCHOOL STUDENTS (GOING INTO GRADES 6 THROUGH 10) WHO ARE INTERESTED IN FLYING THE EAA CHAPTER 5 SUMMER YOUTH AVIATION CAMP WILL TAKE PLACE JULY 8-12 FOR NEW CAMPERS AT THE GEAUGA COUNTY AIRPORT IN HANGAR 3 FROM 9:00 AM TO 3:45 PM AND IS DESIGNED FOR KIDS WITH A REAL INTEREST IN AVIATION! STUDENTS WILL ACTIVELY PARTICIPATE IN LEARNING ABOUT AERODYNAMICS, PARTS OF A PLANE, THE ENGINE, FLIGHT OPERATIONS, CAREERS IN AVIATION; WILL DEVELOP SKILLS IN MAP READING, RIVETING, WOODWORKING & BUILDING; AND WILL BE GIVEN OPPORTUNITIES TO TOUR THE AIRPORT FACILITIES AND TO "FLY" ON FLIGHT SIMULATORS. THERE WILL BE DAILY ACTIVITIES SUCH AS GLIDER FLYING CONTESTS

& SCIENTIFIC EXPERIMENTATION, AS WELL AS RECREATIONAL FUN ACTIVITIES. AFTER THE CAMP, THERE WILL BE AN OPPORTUNITY FOR CAMPERS TO TAKE A YOUNG EAGLE FLIGHT (PARENTAL PERMISSION GIVEN AND WEATHER PERMITTING) ON SATURDAY, JULY 13TH, WITH SUNDAY, JULY 14TH AS THE RAIN DATE. SPACE IN THE CAMP IS LIMITED TO 18 STUDENTS TO ALLOW FOR MORE HANDS-ON OPPORTUNITIES. REGISTRATION FORMS AND \$150 FEE DUE BY FRIDAY, MAY 23RD, 2024. A T-SHIRT, HAT AND SUPPLIES ARE INCLUDED; PARTICIPANTS SHOULD BRING THEIR OWN LUNCH THOUGH SNACKS WILL BE PROVIDED. SCHOLARSHIPS AVAILABLE. CORPORATE SPONSORSHIP POSITIONS ARE ALSO AVAILABLE. PLEASE INQUIRE ABOUT LEVELS. FOR MORE INFORMATION, OR TO OBTAIN AN APPLICATION PACKET, VISIT [HTTPS://CHAPTERS.EAA.ORG/EAAS](https://chapters.eaa.org/eaas) OR CONTACT SHERY NIEDERKORN AT 440-477-1198 OR [SHERRY.NIEDERKORN23@GMAIL.COM](mailto:SHERRY.NIEDERKORN23@GMAIL.COM) GEAUGA COUNTY AIRPORT IS LOCATED AT 15421 OLD STATE ROAD, MIDDLEFIELD, OHIO 44062.

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FOR ANOTHER UNFORGETTABLE YEAR. THIS BELOVED FESTIVAL AT THE WADSWORTH MUNICIPAL AIRPORT PROMISES FAMILY-FRIENDLY FUN, BREATHTAKING SIGHTS, AND UNFORGETTABLE MEMORIES AGAINST THE PICTURESQUE BACKDROP OF WADSWORTH. SCHEDULED TO TAKE PLACE SATURDAY AUGUST 10TH, BALLOONS OVER WADSWORTH, AN INSPIRE AVIATION EVENT IS A CELEBRATION THAT CAPTURES THE IMAGINATION OF ATTENDEES YOUNG AND OLD ALIKE. THE EVENT WILL FEATURE A MESMERIZING DISPLAY OF 24 HOT AIR BALLOONS GRACEFULLY TAKING FOUR FLIGHTS OVER THE WEEKEND, PAINTING THE SKY WITH VIBRANT HUES AND PATTERNS. SPECTATORS CAN MARVEL AT THE BEAUTY OF THESE MAJESTIC BALLOONS AS THEY ASCEND INTO THE HEAVENS, CREATING A VISUAL SPECTACLE LIKE NO OTHER. PROCEEDS FROM THE EVENT GO TOWARDS INSPIRE AVIATION, A 501C3 NON-PROFIT ORGANIZATION LOCATED IN WADSWORTH, OHIO. "OUR PURPOSE IS TO PROVIDE EDUCATIONAL OPPORTUNITIES FOR YOUTH AND ADULTS IN THE GENERAL PUBLIC IN THE AREAS OF AVIATION AND STEM. WE PROVIDE THE COMMUNITY AN OPPORTUNITY TO LEARN ABOUT AVIATION AS A CAREER OR HOBBY THROUGH COMMUNITY EVENTS," SAID MIKE BOWSER, PRESIDENT OF INSPIRE AVIATION. BUT BALLOONS OVER WADSWORTH IS

MUCH MORE THAN JUST A SKYWARD DISPLAY. THE FESTIVAL OFFERS A WIDE ARRAY OF ACTIVITIES AND ENTERTAINMENT OPTIONS TO ENSURE THERE'S SOMETHING FOR EVERYONE TO ENJOY. FROM LIVE MUSIC AND DELICIOUS FOOD VENDORS TO CHILDREN'S ACTIVITIES AND ARTS, CRAFT AND MERCHANT BOOTHS, AIRPLANE AND HELICOPTER RIDES SO THERE'S NO SHORTAGE OF EXCITEMENT TO BE FOUND ON THE GROUND AND IN THE AIR. "WE'RE THRILLED TO WELCOME BACK BALLOONS OVER WADSWORTH FOR ANOTHER INCREDIBLE YEAR," SAID TOM STRONG, CHAIRMAN OF THE EVENT ORGANIZING COMMITTEE. "THIS FESTIVAL HAS BECOME A CHERISHED TRADITION IN OUR COMMUNITY, BRINGING TOGETHER FRIENDS, FAMILIES, AND VISITORS FROM NEAR AND FAR TO EXPERIENCE THE MAGIC OF HOT AIR BALLOONING AND CELEBRATE EVERYTHING OUR VIBRANT CITY HAS TO OFFER."



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## “Training” from page 11

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### What Do the Safety Tip Training Videos Cover?

Preflight and 100 hour/annual inspection tips are reviewed regarding the Hartzell Aviation products and aircraft referenced. Highlights

include:

Checking play in a propeller blade, making sure it always returns to the center.

Looking for indications of propeller lightning strikes.

Learning why NYCO GN3058 propeller grease is not compatible with AeroShell Grease 5,6 and 22.

How the turbocharger controller connects directly to the wastegate.

How a major concern in any exhaust system is fire, due to temperatures

of up to approximately 1,600 degrees F.

How single engine aircraft derive their cabin heat from the engine exhaust system and twin-engine aircraft typically use a separate cabin combustion heater assembly.

How it is important to draw the entire exhaust system up evenly, not one cylinder at a time.

Why carbon monoxide (CO) gas is dangerous and how it is generated by any combustion pro-

See “Videos” on page 19

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**Dates for the EAA AirVenture Oshkosh fly-in convention at Wittman Regional Airport in Oshkosh, Wisconsin, have been confirmed through 2027.**

**Upcoming event dates are:**

- 2024: July 22-28**
- 2025: July 21-27**
- 2026: July 20-26**
- 2027: July 26-August 1**

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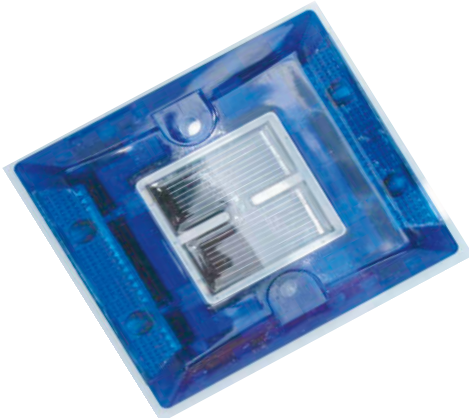
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### "Videos" from page 17

cess.

Why engine mounts are typically manufactured from 4130 Chromoly steel.

Why it is recommended to remove the engine mount for a thorough inspection at engine overhaul since it supports the engine in all phases of ground and flight operations.

Three important points

when inspecting a starter are the electrical connection, mounting hardware and cracks/chafing.

The two types of alternators used on a Cirrus SR22T: one is belt driven and the other engine driven.

How a loose alternator output wire can cause arcing and burn through the stud.

Alternator Instructions for Continued Airworthi-

ness (ICA) as a factory recommendation.

Gear driven alternators and the recommended 500-hour inspection for the coupling installed.

Always ensure the magneto switch is "off" when performing maintenance, especially if movement of the propeller is required.

All maintenance should be performed using applicable maintenance and overhaul manuals, active Service Bulletins, Service Letters, Service Advisories/Instructions along with any FAA Airworthiness Directives.

### How to Get FAA Course Credit

To receive appropriate course credit for these safety tip training maintenance course, participants must:

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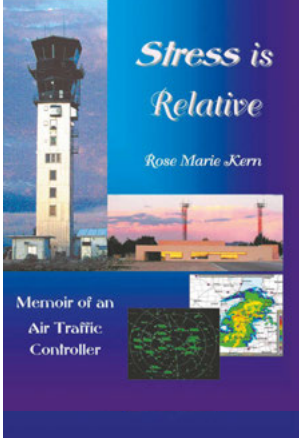


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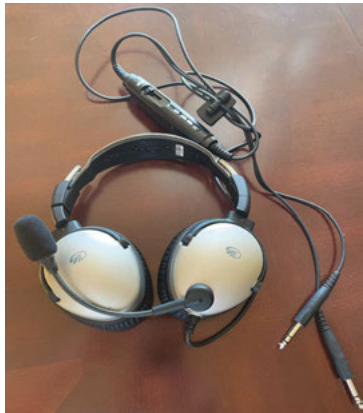
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# Sporty's is the official merchandise provider for the Cirrus Owners and Pilots Association

*Diverse range of products reflects the spirit and vision of COPA*

Sporty's is proud to announce that it is now the official provider of merchandise for the Cirrus Owners and Pilots Association (COPA).

The newly unveiled merchandise collection features a diverse range of high-quality products, designed to resonate with COPA mem-

bers and supporters. From stylish apparel to sleek accessories, each item has been meticulously crafted to reflect the spirit and vision of COPA.

"Our members have long been the backbone of our organization, and we're excited to offer them a tangible way to show their support and pride while also contributing to our cause," said COPA President, TJ Shembekar. "With this merchandise line from Sporty's, we aim to not only elevate the COPA experience, but also further our mission of education and safety."

The COPA logo is available to embroider on a wide range of merchandise that includes, but is not limited to:

**Quality Polos:** From TravisMathew, Nike, and Eddie Bauer, a variety of polo shirt styles, designs and colors are available for men and women.

**Signature T-shirts:** Made from a blend of quality materials, moisture wicking t-shirts offer comfort and performance while showcasing your COPA pride.

**Stylish Accessories:** Hats and visors in a variety of colors offer protection, shade and

style, whether you're on the flight deck or walking across the ramp.

In addition to allowing supporters to wear their affiliation proudly, each purchase from the merchandise line directly contributes to COPA's



COPA TravisMathew Oceanside Polo



COPA Ladies Stretch Top Polo



COPA Nike Micro Pique 2.0 Dri-Fit Long Sleeve Polo

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“COPA” from page 22



COPA Nike Featherlight Cap

efforts to promote safety and goodwill toward the general aviation community.

The merchandise is available now for purchase at Sportys.com/COPA or by calling 1-800-SPORTYS.

About Sporty's For more than 60

years, Sporty's has proudly served the aviation community with an emphasis on quality in both pilot education and innovative products. Located at the Clermont County Airport, just outside Cincinnati, Ohio, Sporty's operations extend to flight

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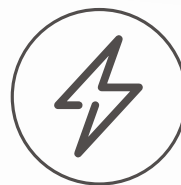
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