



## EAA Chapter 100 August 2020 Newsletter

<http://eaa100.org>

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EAA Chapter 100 is a nonprofit association involved in the promotion of aviation through adult and youth education, hands-on training, building and maintenance of experimental aircraft, and through community awareness programs.

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Reader submissions and comments are strongly encouraged.



## Intro to Aircraft Building

-- EAA

**Editor:** This is from the EAA website: <https://eaa.org/eaa/aircraft-building/intro-to-aircraft-building> .

Love the dream of owning your own homebuilt airplane? In the process of building and need some help finishing your project? These resources will help you get the skills, experience and confidence you need to build or restore your own aircraft. EAA offers an [Aircraft Building Sourcebook](#) as one resource to help get you started.

At first, building your own aircraft might seem like a crazy idea. However, there are some real advantages to taking on this challenge.

### Advantages

- **You get to build it** Succeeding on a big project gives you a huge sense of accomplishment. You can choose to build an airplane, helicopter, gyroplane, or glider.
- **Ultimate freedom** You get to choose the kit, the paint job, the panel. This project can be a reflection of you.
- **Latest technology** Cutting-edge glass panels, lightweight composite materials, and high-performance engines are just some of the options you'll get to choose by building the aircraft yourself.

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## Secretary Comments

-- Jeff Hanson

### EAA Chapter 100

#### Chapter 100 meeting 7-11-20

*Editor:* Jeff Hanson was not in attendance so I took a few notes at our Fly-in meeting:

- 13 members present
- 2 guests
- No business
- Discussion of projects & flying by members present.
- Picnic August 9 - RSVP
- Bring your own chairs
- Tables will be "Socially Isolated" spaced

*Editor:* Please RSVP to Jim Owens at [ProgramDirector@eaa100.org](mailto:ProgramDirector@eaa100.org). Jim needs to know so the correct amount of food can be ordered. Please do not wait to the last minute to RSVP or you may go hungry!

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## Pretend AirVenture

-- Dick Fetcher

The stuff you can learn from a pretend AirVenture.

<https://www.eatogether.org/calendar>

*Dick Fetcher*  
[FPS@44RF.com](mailto:FPS@44RF.com)  
(507) 272-5099 (talk or text)

*Editor:* The above URL just brings up the website with no activities. This was active for the week of the canceled AirVenture. However, click on the [On Demand](#) tab and you will bring all kinds of interesting things to see. These items may only be available for a short time..

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The Grand Prize RV-10 – the first Experimental airplane ever offered in an [AOPA Sweepstakes](#) – is a capable, reliable, four-seat IFR traveler with exceptional performance, cutting-edge technology, and the latest safety equipment.

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- **All New (if you want to)** Every part and piece of the aircraft can be brand new. Or you can save some serious dollars by scrounging around for used bargains like mid-time engines or first-generation glass panels.
- **More performance** If you want a hot rod, home-building is where you'll find the performance you want. The fastest designs available are all kit aircraft. Or, do you simply want more performance out of the same horsepower by picking a more efficient, modern kit design?
- **Lower maintenance costs** The freedom to do your own maintenance and inspections will save you thousands of dollars every year.

### Disadvantages

- **You have to build it** Of course, not everyone enjoys the challenge of a big project or learning new things.
- **No commercial use** The only real limitation on homebuilts is that they cannot be rented or used for any commercial purpose. So, if you want to rent your aircraft to students, building isn't a good fit.
- **Foreign travel** You must obtain written permission from another country's Civil Aviation Authority (CAA) prior to flying your aircraft in or over that country. For countries other than Canada and the Bahamas this can present a challenge.

### Webinar- So You Want to Build an Airplane?

Building your own aircraft can be a most rewarding experience. EAA's Charlie Becker will take you through the entire building process, including the relevant FAA rules, and some of the common misconceptions involved in building your own aircraft.

Click on [Webinar](#) to see a video from EAA's Charlie Becker.

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## Fly Safe: Prevent Loss of Control Accidents

-- [FAA.gov](http://FAA.gov)

The FAA and general aviation (GA) groups' #Fly Safe national safety campaign aims to educate the GA community on how to prevent Loss of Control (LOC) accidents this flying season.

### What is Loss of Control (LOC)?

A Loss of Control (LOC) accident involves an unintended departure of an aircraft from controlled flight. LOC can happen because the aircraft enters a flight regime that is outside its normal flight envelope and may quickly develop into a stall or spin. It can introduce an element of surprise for the pilot. Contributing factors may include: poor judgment/aeronautical decision making, failure to recognize an aerodynamic stall or spin and execute corrective action, intentional regulatory non-compliance, low pilot time in aircraft make and model, lack of piloting ability, failure to maintain airspeed, failure to follow procedure, pilot inexperience and proficiency, or the use of over-the-counter drugs that impact pilot performance.

### Did you know?

- Approximately 450 people are killed each year in GA accidents.
- Loss of Control is the number one cause of these accidents.
- Loss of Control happens in all phases of flight. It can happen anywhere and at any time.
- There is one fatal accident involving LOC every four days.

### Message from FAA Deputy Administrator Mike Whitaker:

The FAA and industry are working together to prevent Loss of Control accidents and save lives. You can help make a difference by joining our Fly Safe campaign!

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Each month on faa.gov we're providing pilots with a Loss of Control solution developed by the team of experts. They have studied the data and developed solutions – some of which are already reducing risk. We hope you will join us in this effort, and spread the word. Follow #FlySafe on Twitter, Facebook and Instagram. I know that we can reduce these accidents by working together as a community.

### Current topic: Managing Unexpected Events

#### What is an unexpected event?

Unexpected events – especially those occurring close to the ground – require rapid appropriate action. However, humans are subject to a “startle response” when faced with an unexpected emergency situation and may delay or initiate inappropriate action in response to an emergency. Examples of situations which can catch a pilot by surprise:

- partial or full loss of engine power after takeoff
- landing gear fails to retract after takeoff, or fails to extend when ready to land
- bird strike
- control problems or failures

#### Did you know?

Fatal general aviation accidents often result from inappropriate responses to unexpected events. Loss of aircraft control is a common factor in accidents that would have been survivable if control had been maintained throughout the emergency. In some cases, pilot skill and knowledge have not been developed to prepare for the emergency. In other cases, an initial inappropriate reaction begins a chain of events that leads to an accident.

Unexpected events often happen close to the ground or during a transition from one configuration or phase of flight to another. There may be no time to use a checklist. A pilot has a much better chance of success if he

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## On a Lighter Side

-- <https://upjoke.com/aircraft-jokes>

### Area 51

You've all heard of the Air Force's ultra-high-security, super-secret base in Nevada, known simply as "Area 51?"

Well, late one afternoon, the Air Force folks out at Area 51 were very surprised to see a Cessna landing at their "secret" base. They immediately impounded the aircraft and hauled the pilot into an interrogation room. The pilot's story was that he took off from Vegas, got lost, and spotted the Base just as he was about to run out of fuel. The Air Force started a full FBI background check on the pilot and held him overnight during the investigation.

By the next day, they were finally convinced that the pilot really was lost and wasn't a spy. They gassed up his airplane, gave him a terrifying "you-did-not-see-a-base" briefing, complete with threats of spending the rest of his life in prison, told him Vegas was that-a-way on such and such a heading, and sent him on his way. The next day, to the total disbelief of the Air Force, the same Cessna showed up again. Once again, the MP's surrounded the plane...only this time there were two people in the plane.

The same pilot jumped out and said, "Do anything you want to me, but my wife is in the plane and you have to tell her where I was last night!"

#### The aircraft carrier captain saw a light

"Tell the signalman to warn that boat to turn to port to avoid a collision."

But the light flashes back "\*YOU\* turn to port to avoid a collision."

The captain, incensed, sends the message "This is a 200 kiloton aircraft carrier with 50 war planes, atomic bombs and cruise missiles! \*YOU\* turn to the left to avoid a collision!"

The light flashes back "This is a lighthouse. Your call."

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or she thinks about the abnormal event ahead of time. Practice and preparation can improve a pilot's reaction time.

**What can GA pilots do to best manage an unexpected event?**

Don't let an unexpected event become an unexpected emergency! Training and preparation can help pilots manage the startle response and effectively cope with an unexpected event.

**Tips for pilots**

- Think about abnormal events ahead of time! Practice your plan! Brief your plan prior to takeoff, even when flying solo!
- Have a Certificated Flight Instructor (CFI) join you to train and plan for emergencies
- Review emergency procedures for your aircraft on a regular basis – don't wait until you need a Flight Review
- Sit in your aircraft or a properly equipped Aviation Training Device and practice abnormal and emergency procedures, touch the controls, and visualize your aircraft's cockpit
- Review and practice "what if" scenarios
- Vocalize takeoff, approach, and landing expectations: aircraft configuration, airspeed, altitude and route emergency options

Sign up for the WINGS Pilot Proficiency program and have your hours with the CFI count toward a WINGS level

**Learn more**

AOPA's [Safety Spotlight on Aeronautical Decision Making](#) includes two courses, several videos, and publications.

AOPA's [Safety Spotlight on Emergency Procedures](#) features videos and online courses.

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# Newsletter Editor

-- Art Howard

[Social Flight](#) continues to show no Fly-in events. They have an excellent list of On-line Events. I keep checking for Flight Breakfasts and there are none locally. Virtual AirVenture is now over. Sure do miss going to Fly-ins this summer.

I have flown 3 Angel Flights. And I keep working on the Fly Minnesota Airports Passport and collecting airport stamps. So I am getting lots of flying in this summer. There are very few people at the small airports in Minnesota. Several I have stopped at have AG planes working.

I completed 4 airports for the Passport on Wednesday, July 29, out of a planned 3 day aircraft camping trip to northern Minnesota. It got cut short at the 4th airport. During the engine startup process I discovered the electric fuel pump had failed. Hopefully by the time you get this newsletter that problem is fixed. The electric fuel pump is the original on my Piper Cherokee, PA 28-160, built in 1962. I think I got my money's worth out of that electric pump!

There are a lot of nice airport terminal buildings or FBO buildings in Minnesota. It is amazing how many small terminals have been updated and are really nice. There are still the older ones that need work and a few really at the bottom of the list. Hopefully some local pilots will get together and help improve their building

I hope everyone is "Socially Distancing" and staying safe. If you have an opportunity to go flying, you certainly are not next to other groups of people at 2,500 feet AGL while in your airplane! There are still many days of good flying weather before the next winter. Take advantage of weather and sunlight before the days get to short!

Submissions to this newsletter are welcome from EAA Chapter 100 members. Please send articles and pictures to [newsletter@eaa100.org](mailto:newsletter@eaa100.org).

Your newsletter editor, Art Howard

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# Items for Sale

**Note:** The following e-mail was received for inclusion in our Newsletter:

**From:** "aabebay@evertek.net" <aabebay@evertek.net>

**Sent:** Friday, December 6, 2019, 10:20:33 AM CST

**Subject:** Long EZ Project For Sale

Please forward this information to anyone that may be interested in purchasing a Project. I will no longer be able to get my pilot's license due to medical issues. The URL below will take you to my website that shows most of the components included in the sale. The price is \$3000, but I am open to partial or complete trades (looking for enclosed trailer or SCCA project car), open to all offers, the worst I can do is say no. I can store this project until spring if needed. Please email with any questions, or use the reply box on the website.

<https://longezforsale.godaddysites.com/>

Thank You,

Allen

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*Editor:* The airspace depicted below shows where you need ADS-B out. There is a lot of airspace where you **do not need** ADS-B out, including KRST and KTOB. ([FAA](#))

*Editor:* This is from the EAA Young Eagles Pilot Guidelines brochure: **Pilot Requirements**

The Young Eagles pilot requirements are basic, but **MUST** be followed.

- ◆ Be a current EAA® member and hold an appropriate airman's certificate (sport pilot or greater)
- ◆ Possess a current medical certificate (if applicable)
- ◆ Be current to carry passengers in the aircraft you plan to use
- ◆ Have a current flight review
- ◆ Complete the Young Eagles registration form before the flight, including parent or legal guardian signature, and pilot signature
- ◆ Conduct flights in an aircraft that is in airworthy condition
- ◆ Have aircraft passenger liability insurance for the aircraft used (owned, rented, or borrowed)
- ◆ Adhere to all applicable Federal Air Rules (FARs)
- ◆ Complete both the online training and basic background check as a part of EAA's Youth Protection Policy. For more information, visit [EAA.org/YouthProtection](http://EAA.org/YouthProtection).

*Editor:* Make sure you are current to fly Young Eagles at the EAA Chapter 100 Young Eagles event on Saturday, September 19, 2020. Does not look feasible this year..

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