

# Tower Talk

2015 Newsletter Award Winner

John Livingston

September 2017

**Upcoming Events:**

**September Events:**

- **2 - Saturday, 8:30**  
Breakfast, Cedar Falls Family Restaurant
- **5 - Tuesday, 7:00**  
Board Meeting, Airport Conference Room
- **16 - Saturday, 8:00 - 12:00**  
Young Eagles Rally, Livingston Aviation
- **19 - Saturday, 7:00**  
Chapter Meeting, Airport Conference Room

**Iowa DOT Calendar:**  
[iowadot.gov/aviation](http://iowadot.gov/aviation)

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## Runway Zero

by Warren Brecheisen,  
Chapter 227 President



It hardly seems possible that summer is half over already. I hope you have been able to get in as much flying as you would like (is that even possible!). I'm approaching my annual goal of 100 hours again this year (my "year" runs September to September, i.e. when I report my hours to my insurance underwriter) and I feel very blessed that I have been able to fly that much.

Another AirVenture has come and gone. I haven't heard the final numbers, but I'm pretty sure that we helped somewhat less people with airplane problems at Emergency Aircraft Repair this year. I hope that's an indication that, in general, people are doing a better job of maintaining their airplanes. Somewhere between half and two-thirds of the people we assist have either battery or tire problems. Other common problems include starter, alternator and brakes with a few cracked exhausts in the mix. For some reason, each year we have several RVs (airplanes that is) that have brake problems. This year we had a difficult time bleeding the brakes on an RV-6 after the owner replaced the seal on the right caliper. Normally, they are very easy to bleed and I never figured out for sure why this one was problematic. We finally did get the brakes properly bled.

I've talked about the issue of ATC privatization in a couple of earlier newsletters. This was a hot topic at AirVenture. I attended several banquets and at least one speaker at each one of them touched on this topic. There is a good article on privatization by Sean Elliot in the August issue of "Sport Aviation" on page eight. He talks about why you should be very concerned by this concept and how you can help stop it from happening. I ask that you take the time to read the article and help fight implementation of this bad idea.

Our annual Young Eagle rally is coming up on September 16<sup>th</sup>. Please contact John Dutcher to volunteer to help.

The first Saturday of the month breakfast will be on September 2nd, 8:30am, in the Cedar

*Continued on page 2*

## *Runway Zero from page 1*

Falls Family Restaurant. The next board meeting will be on September 5<sup>th</sup> and the September chapter meeting will be on the 19<sup>th</sup>. Both will be in the airport board room, at 7:00pm. I won't be able to attend the chapter meeting, so Marty Hoel will preside.

Let's get some daylight under those airplane tires!

Warren Brecheisen  
President, EAA Chapter 227

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## ***YOUNG EAGLES RALLY, SEPTEMBER 16, 2017***

***We need volunteers, lots of volunteers!***

**If the weather cooperates, we can expect in excess of 200 kids & 300 parents to show up for the event.**

**To date we have lined up:**

**a National Guard Helicopter  
fire trucks,  
an ambulance  
and a unique aircraft!**

**For the vast majority of the children and their parents, this event, the first airplane ride, is something all will remember the rest of their lives.**

**With your help we can enhance that experience.  
Help us make this experience one of the best of their young lives.**

**We need at least 16 aircraft, 16 pilots, runners, paper work processors,  
plane and personnel traffic controllers,  
and lots of other essential helpers.**

**Please volunteer and participate in this event!**

**Please email [john@balboapt.com](mailto:john@balboapt.com), or call 319.240.2497.  
Thank you, John Dutcher, EAA 227 Young Eagle Coordinator**

**[Download a Young Eagles Poster](#)**

**Take a FREE airplane ride & learn about flying!  
Become a Young Eagle! Receive a certificate & logbook!**

**KIDS!  
FREE  
AIRPLANE  
RIDES!**



**FREE  
REFRESHMENTS!**

# **EAA YOUNG EAGLES FLIGHT RALLY**

**Saturday, September 16, 2017**

(weather permitting, with Sunday as alternate)

**8:00am – 12:00pm**

**Waterloo Regional Airport  
Livingston Aviation**

**For ages 8-17**

**Register on-site anytime between 8:00-11:30**

**A Parent/Legal Guardian must be present at Registration**

**Rides will be given on a first-come, first-served basis**

Hosted by:  
Experimental Aircraft Association (EAA) Chapter 227  
For more information and updates, visit us on Facebook:  
EAA Chapter 227



## Lone Rock Fly Out, July 28<sup>th</sup> by John Bender



Another great day. Chuck's grandson was great. Happy all morning.

Two more were there, and they stopped on way to OSH. Didn't get pics in time.



## Pella Fly Out, August 1<sup>st</sup> by John Bender

SUPER day. Very smooth both ways.

Warren forced us to stop at one of the bakeries.

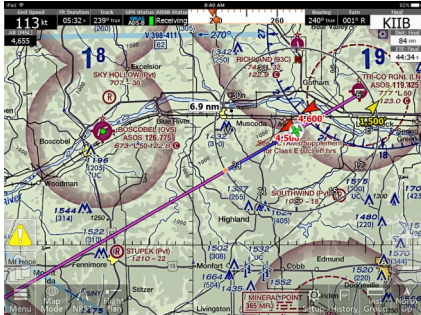
We fought valiantly for ( ok - 5 seconds ),  
and we got some very nice goodies.

The pic is a screenshot of us leaving Pella.

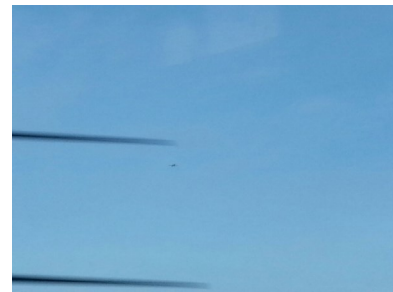




## Lone Rock Fly Out, August 5<sup>th</sup> by John Bender



A very good day. Place was packed. Still good food and service. Saw 11 people I knew. Was good to see guy and his wife from Watertown that just finished his RV-12. Screenshot was us leaving Lone Rock. RED if within 2 miles. Barges on Miss. Brian was ahead of me in the one pic.



## Ottumwa Fly Out, August 9<sup>th</sup> by John Bender

Super day. Smooth air.  
Good temps. Good food at Hy-Vee north.  
5 planes. 5 people. Just fit into Chevy Cruz.

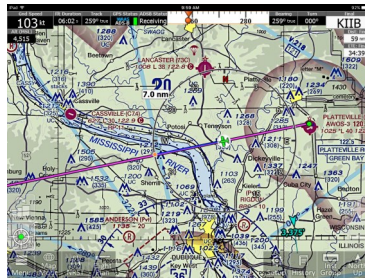


## Fillmore County Fly In, August 13<sup>th</sup> by John Bender

Great Fly-in to Fillmore County. Great variety of good food. Nice flying. Several of us arrived about the same time. Backed out on the iPad so you could see the weather moving in. Great day. Thanks to all.



## Platteville Fly Out, August 23<sup>rd</sup> by John Bender

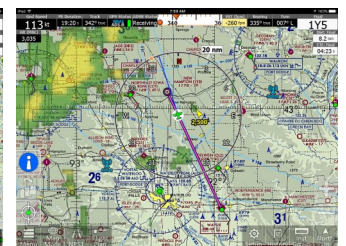


SUPER day to fly.  
Went to Nick's in Cuba City.  
Always good food. Nice place.  
Smooth both ways.

## New Hampton Fly In, August 26<sup>th</sup> by John Bender

Cloudy today, but turned out to be a great Fly-in. Went thru some sprinkles both ways. Nothing serious. 7 people from our group and a couple others I knew. Food was great as usual.

BIGGEST NOTE : They resurfaced their 17/35 runway. REALLY NICE now. Turf one was mowed nice also. They had tent set up which was nice. Was cool, so no wind and no sprinkles on us. Very good day overall.





## Ottumwa Fly In, August 27<sup>th</sup> by John Bender



Not a great day. Ceiling much higher 20 miles south.  
Very few people at breakfast. Not well supported at all.  
We looked at planes and called it good.



## EAA AirVenture Oshkosh 2017 Facts and Figures *from eaa.org*

Comment from CEO and Chairman Jack J. Pelton:

“What an incredible year it was at Oshkosh. From the U.S. Navy Blue Angels and Apollo reunion, to new aviation innovations on display and two B-29s flying formation as part of 75 years of bombers on parade, it was a week filled with only-at-Oshkosh moments. You could feel the energy as thousands of airplanes arrived early and stayed longer, pushing aircraft camping to capacity for most of the event. The aviators and enthusiasts who attended were engaged, eager, and passionate, demonstrating how Oshkosh is the best example of why general aviation is so vitally important to the country. I believe it’s the best AirVenture week that I’ve ever seen.”

**Attendance:** Approximately 590,000, an increase of five percent over 2016.

**Total aircraft:** More than 10,000 aircraft arrived at Wittman Regional Airport in Oshkosh and other airports in east-central Wisconsin. At Wittman alone, there were 17,223 aircraft operations in the 10-day period from July 21-30, which is an average of approximately 123 takeoffs/landings per hour.

**Total showplanes:** 2,991: 1,107 homebuilt aircraft, 1,162 vintage airplanes, 351 warbirds, 168 ultralights and light-sport aircraft, 79 seaplanes, 54 rotorcraft, 60 aerobatic aircraft, and 10 hot air balloons.

**Camping:** More than 11,600 sites in aircraft and drive-in camping accounted for an estimated 40,000 visitors throughout the week.

**Commercial exhibitors:** 881.

**Forums and Workshops:** A total of 1,050 sessions attended by more than 75,000 people.

**Social Media, Internet and Mobile:** More than 15.4 million people were reached by EAA’s social media channels; EAA AirVenture app had 1.7 million screen views; EAA video clips were viewed 2.2 million times; and EAA’s 1,900 photo uploads were viewed more than 9.8 million times. Also, EAA web streams were accessed more than 500,000 times by viewers in 192 countries, who watched more than 110,000 hours of activities from the AirVenture grounds.

**Guests registered at International Visitors Tent:** A record 2,527 visitors registered from a record-tying 80 nations. (Additional unregistered international visitor counts push the total higher.) Top countries represented by registered visitors: Canada (583 visitors), Australia (346), and South Africa (204).

**Media:** 906 media representatives on-site, from six continents.



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ALO  
Air Traffic*

<b>ICAO:</b> KALO <b>IATA:</b> ALO <b>Airport:</b> Waterloo Regional Airport
<b>KALO Flight Activity</b> ( <a href="#">FlightAware</a> )
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## Contact Tower *by Larry Lyman, Retired ATCS*

September is here! Already I see ducks and geese signaling the change of season...by flying south, between 1000 and 6000 feet! Remember that we can have very large flocks of birds migrating through our area, and be watchful for them. If you see a large flock, report it! Remember, geese have been reported at altitudes ABOVE 10,000 feet, so do not assume you are flying above all bird activity. Eyes out the window, and enjoy the view...autumn is a beautiful time to fly!

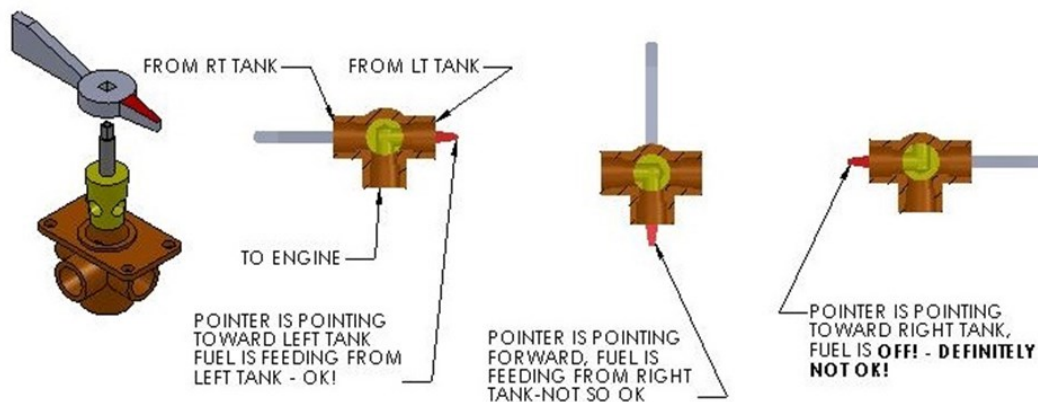
Also, remember your flight instructor's warnings about carb ice or icing in clouds as the surface temperature approaches 40 degrees or less, with dewpoints near or below 32 degrees. Let your controller know if your engine is running rough, or if you need to deviate to a closer airport than planned. Stay ahead of your situation and you will get to your destination safely. If you need help, ask as soon as possible. Enjoy the season!

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## Tech Notes - All Natural *by Mike Lewis*

In my aircraft building experience, I have always tried to be aware of control placement and function so as to be as natural as possible. I'd like to share one of those points with you that I encountered when building the RV-4.

The fuel selector valve that Van provided with the kit was a 3-way (three ports) device, made by Weatherhead. This valve or the four port version was also commonly used in Wichita aircraft. It is a plug valve. The three port version has a plug with two holes drilled into the plug at right angles. The original design of the RV-4 had this valve mounted such that a fuel supply line came from each tank (right and left) and the third port was oriented toward the front of the airplane to supply the engine with fuel. This arrangement is illustrated below.



I am guessing you can see where I had a little difficulty with this arrangement from a natural use standpoint. Setting the valve with the pointer toward the left tank to run off the left tank is pretty natural. Setting the pointer toward the front of the airplane to run off the right tank is not so natural and setting the pointer toward the right tank is definitely not cool!

There are a couple of alternatives to get a more natural position of the selector. In my RV I made a new handle for the three port valve with the square socket indexed off by 45°. The pointer would then point 45° left of center for the left tank and 45° right of center for the right tank. Anything else was off. I then mounted the fuel gauges such that the

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## ***Tech Notes from page 9***

pointer pointed to the correct gauge for the tank I was operating from. Below is a photograph of that arrangement. The fuel pressure was between the two fuel quantity gauges.



This same technique could be accomplished without making a new pointer. You could mount the valve body at a 45° angle which would require the use of a couple 45° elbows in your fuel line plumbing.

Of course like most other things in this business, there are some other alternatives that may help this issue, like throwing away your \$26 valve and buying a \$300 valve.



## ***Who is Aviore? from eaa.org***

### **New Stan Lee-inspired superhero to take EAA Young Eagles into its next successful 25 years**

Jake Peregrine Howard — Perry to his friends — is a young high school student living on a farm just outside of Wichita, Kansas, who's infatuated with the eagles and hawks he's seen soaring in the skies above him. Then, a Young Eagles flight at the local airport — his first time in the air — changes his life forever. The event triggers a powerful transformation of both mind and body, as his senses became more acute and his mind sharpens, and Perry becomes a superhero, dedicating his life to using the power of flight to help those in need. As Aviore's legend grows in tandem with his burgeoning superpowers, he becomes an inspiration to young people all over the world, encouraging them to follow their passions and find their place in the sky.

## Chapter Classifieds

**Thank you to Rex Pershing who has donated some tools to the chapter!**  
Along with them is a prop extension to sell and donate the proceeds to the chapter.

**FOR SALE:**  
**SAE 1 Prop Spacer**  
It is a 6 inch extension off a  
Lycoming 235 that uses 3/8 inch bolts.  
\$100 or best offer

Please Contact:  
Doug Mattson  
[dougmatton@gmail.com](mailto:dougmatton@gmail.com)  
319-939-0179



Carburetor

### Carburetor "MA3SPA"

I used it on the O290 engine in  
my exp Mustang II.  
Asking \$400  
I have more photos if needed.  
In my hangar.

Please contact:  
John Peacock  
[Johnnyfpeacock@gmail.com](mailto:Johnnyfpeacock@gmail.com)  
319-266-3417 voice only.

Whether you are looking to sell something or looking to buy,  
please send your information to [chrisr@cfu.net](mailto:chrisr@cfu.net).  
*And be sure to let me know when it sells!*

## NEWSLETTER INFORMATION

If you have an article, picture, or anything else you would like to share in a future newsletter, please contact:  
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Cedar Falls IA 50613  
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**Do you have anything aviation related that you would like to sell?  
Please let us know so we can include items in  
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