

Tower Talk

2015 Newsletter Award Winner

John Livingston

December 2015

Upcoming Events:

December Events

- **1 - Tuesday, 7:00**
Board Meeting, Airport Conference Room
- **5 - Saturday, 8:30**
Breakfast, Cedar Falls Family Restaurant
- **12 - Saturday, 5:30 Social 6:00 Dinner**
Chapter Christmas Party, Cedar Falls Family Restaurant

January 2016 Events

- **2 - Saturday, 8:30**
Breakfast, Cedar Falls Family Restaurant

Iowa DOT Calendar:

www.iowadot.gov/aviation

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Runway Zero

by Warren Brecheisen,
Chapter 227 President



On behalf of myself and the chapter board of directors, I want to thank the membership for their vote of confidence by re-electing all of us to serve you for two more years. The one exception is that Robert Gutknecht had served his four years so we had to elect a new secretary. Richard Shepherd was elected the new secretary.

I'm very proud of the chapter for its accomplishments over the last two years. We've held three Young Eagle Rallies, a flight breakfast and aircraft display at the 2014 Thunder in the Valley Airshow, and hosted the B-17 twice. In addition, we've had our usual social events and many fly-outs. I'm especially grateful for our chapter members who are so willing to pitch in and work to make our events successful and fun.

In my column last month, I mentioned that, during the

November meeting, we would be voting on a motion to buy a trailer to store and haul around our tables, chairs and other miscellaneous equipment. That motion passed and a maximum budget of \$7000 was allocated for its purchase. We want to buy an 8' x 16' enclosed trailer and have done some preliminary looking. We don't need the trailer right away, so we may wait until spring to purchase it, unless we find an unusual opportunity in the interim. If you happen to spot an ad or trailer for sale that meets our needs, please let a board member know about it.

Keith Kaspari, the Waterloo Airport Director and member of our chapter, talked about the status of airport construction projects, including plans for next season, and reviewed how

these projects are funded. He also fielded many questions from chapter members. The biggest concern from chapter members is the potential for eventually permanently closing runway 06/24. Since that runway is not used by air carriers, the FAA will not fund its maintenance. The approximately \$250,000 needed before long to sealcoat and paint markings will have to be provided locally. Obviously, that's a problem.

I attended the annual airport snow removal meeting on November 17th. Keith went through the extensive snow removal document with the airport maintenance crew, tower representatives and a representative from the air carrier. I knew there was a priority list for snow removal at the airport but the overall plan

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Runway Zero from page 1

RSVP the Christmas Party to Warren

is much more extensive than that. The item that I found most interesting: There is no correlation between results from airport friction measuring equipment and the percent braking effectiveness that the tower quotes when asked. Percent braking is based on what pilots tell the tower. This has a high potential for inaccuracies.

Elsewhere in this newsletter there is an announcement for our Christmas Party. See the announcement for details and call me for reservations. As additional incentive to come to the party, beyond the food, fellowship and gift exchange, we have several door prizes.

A special thank you goes to Marty Hoel for donating a

hard side carrying case for our projector. It's a big improvement over the cardboard box we've been using.

Let's get some daylight between the tires and the ground!

Warren Brecheisen
President,
EAA Chapter 227

From the Desk of Mel Hemann

Mel Hemann

To Livingston and Waterloo area pilots,

I want to thank all of you who came to my farewell gathering a couple of weeks ago. I was duly impressed by the number who showed up and humbled by your many kind and affirmative words. I do think some of you should go to Confession because some of the remarks may have stressed the truth just a bit. Nevertheless, I do appreciate all you've said and done. I look back over the 16 years I spent at Livingston and in all honesty I must say I enjoyed every minute. It has been a real joy and a great privilege to share time in the sky with so many of you. To break the bonds of surly earth and touch the hand of God is something only a small percentage of the human race can or will ever experience. Aren't we lucky to be in that number? May you always have blue skies, and if you don't, please don't do anything stupid. Life is too short to be misused. Peace to all. Mel

For those who have asked for my new address:

Mel Hemann
29 Lincoln Ln
Palm Coast, FL 32137
Phone: 319-230-4957
Email: n298mh@cfu.net

MERRY CHRISTMAS!

Chapter 227 Christmas Party

Saturday, December 12th
Happy Hour - 5:30pm Dinner - 6:00pm
Cedar Falls Family Restaurant
2627 Center Street, Cedar Falls

Buffet Dinner

Ham, Grilled Chicken, Lettuce Salad, Vegetable, Mashed Potatoes,
Apple Pie, Coffee, Tea (hot or cold), Pop, Water
\$18.00 per person (cash bar)

Gala Gift Exchange

Our annual gift exchange with Rex Pershing, Master of Ceremonies
Bring a gift with a value of no more than \$10 for each person in your party
Choose a new gift or steal one from someone else!

Unveiling of the new chapter logo!

RSVP by December 10th to Warren Brecheisen, 319-277-2118

Decorations by Richard Shepherd

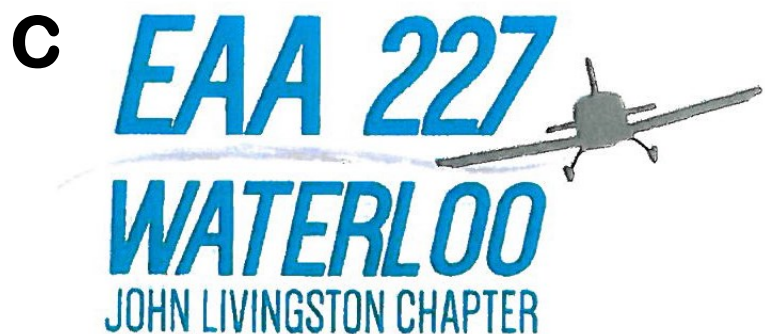
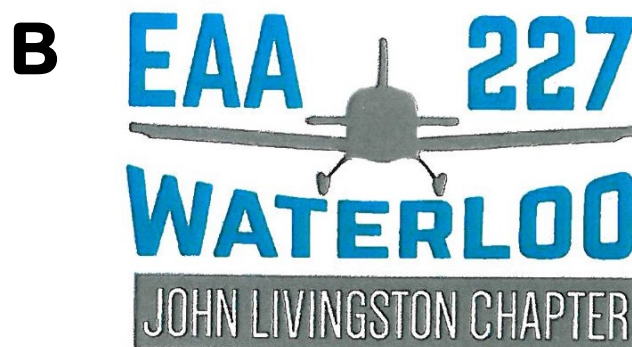


Your Vote Counts Choosing the 227 Logo!

At the annual meeting in November, we introduced several new chapter logo designs. Those present narrowed the selection to three. Now it's your turn to decide which logo design to use as the 227 "official" logo. It will be used on the website, on facebook, on printed materials, on the new trailer, etc. Please vote for the logo that you prefer by Dec. 10th. You may also send your spouse's vote if you have a Family Membership.

Email Chris at chris@cfu.net or call 240-8128 with your vote(s). We hope to hear from the entire membership.

The winning logo will be unveiled at the chapter Christmas Party, Dec. 12th!



KIIB Chili Fly In & Chili Feed - Nov. 7

by John Bender

Good turnout and fun at KIIB (Independence) Saturday. KWWL TV taped a short spot for the news. Chili was very good. They actually hit the target once with the Pumpkin Drop!



Then & Now: Mike Lewis's RV-4 73ES by Mike Lewis

Probably most of the chapter folks know that I sold my RV-4 to Matt Younkin a few years ago. Matt has been flying the daylights out of it. Recently he repainted it and renumbered it. In fact when Matt and his grandfather (Jim) came up to look at it, Jim said there is absolutely nothing wrong with that airplane that some black and red paint wouldn't fix! Well, my 73ES is now a red and black 26YA. Not sure what the 26 is for but a pretty good guess might be the YA is for Younkin Airshows. Thought the chapter might be interested in before and after photos.



RSVP the Christmas party: Warren at 277-2118

Vote for Logo Design A, B or C:

Chris at chrisr@cfu.net or 240-8128

Tech Notes - A Learning Curve (Part 2) *by Mike Lewis*

Last month I shared a couple of detail improvements I learned from building the Diamant that I incorporated on the RV. This month I have a couple more.

***“I thought it
was really
neat...”***

One of the things I learned on the Diamant has to do with instrumentation. During the construction period, I had the opportunity to do a lot of traveling on charter flights. Naturally I sat in the right front seat. I noticed the pilot’s use of an exhaust gas temperature gauge. I thought it was really neat how he would lean the engine to peak exhaust gas temperature. I thought that was so neat that I was going to include an EGT in the Diamant panel. Pretty soon after the Diamant was flying, I learned that if I leaned the old fashioned way, i.e. lean until a little roughness is detected and then richen just enough to smooth it out, I was exactly at peak EGT. The exhaust gas temperature gauge did nothing that the old method did not do. It was just extra money, weight and complexity. Obviously I did not include an EGT in the RV.

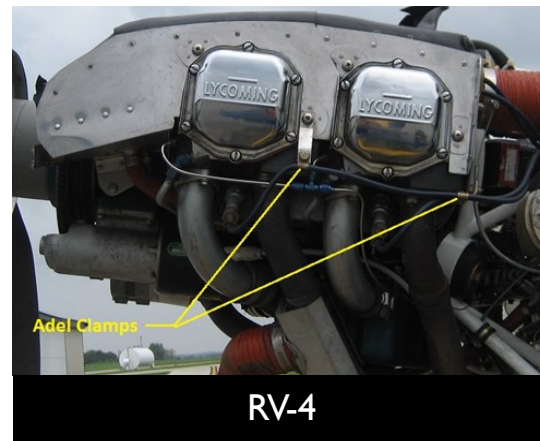
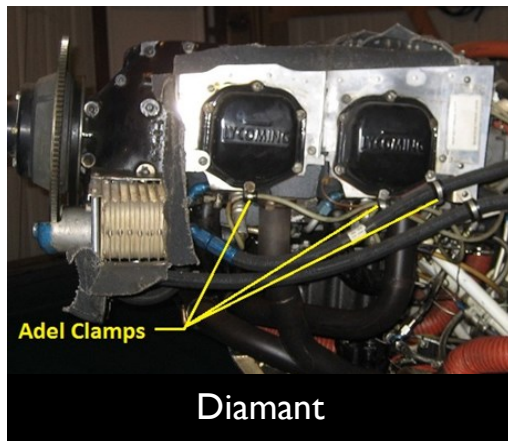
I somewhat later realized that those charter flights were in fuel injected engines. The fuel injection provides much more accurate fuel delivery to each cylinder than a carburetor does. That is why the carbureted engine gets rough when you go “over lean”. Therefore the EGT does provide a very useful function on a fuel injected engine, but in my opinion it has little value on a carbureted engine.

***“One other
improvement
I made on the
RV...”***

One other improvement I made on the RV has to do with supporting ignition wires, primer lines and any other lines that run along the lower side of the valve covers. On the Diamant I used an Adel Clamp to hold the ignition wires, primer lines and an oil line. These Adel Clamps were fastened to the engine cylinders with the same screws that hold the valve covers on. This was a common practice on the Wichita hardware (that’s where I got the idea). The problem I discovered with that is that with the engine vibration, all of that “stuff” hanging on the rocker box screws tends to loosen those screws. Then you have a leaking rocker box. If you use that method, you will also need a spacer and a longer screw where the clamps are.

On the RV, I still use Adel Clamps (or similar homemade clamps) but fastened them to the cylinder through the baffle mount bolts, or directly to the baffles. Another advantage of this method is that I could take a rocker box cover off without disturbing the ignition harness, primer lines and vacuum gauge line.

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I think you can see the difference.

I just noticed something else I used to do. I can see it on the Diamant photo, not sure where it is on the RV, but I made a little tag with common torque requirements, namely spark plugs and prop bolts, so I didn't have to go look them up at every annual.

So much for 2015 – Happy Holidays.

EAA Holiday Auction: Sharing The Spirit of Aviation *from EAA.org*

Each year, EAA's "Spirit of the Holidays" online auction offers an opportunity to bid on some special items perfect for any aviation enthusiast – even if that flying fan is you. It also provides a great way to support EAA's programs that educate, encourage, and preserve The Spirit of Aviation.

This year's Holiday Auction begins on December 1, which coincides with Giving Tuesday, a global day dedicated to giving back. The auction runs through December 8, giving you plenty of time to receive items for holiday gift giving. The unique experiences and gifts up for bid this year include not only aviation-themed pieces, but plenty of other fun and exclusive items:

- Luxurious Brooks Brothers leather luggage set
- Coach ladies leather handbag
- Gourmet Italian dinner for 10 at your EAA AirVenture 2016 campsite
- Ride in EAA's famous T-6 Texan Warbird
- Limited-edition Apollo 17 Captain Gene Cernan 1/6-scale figure
- Original aviation artwork from noted artists such as Sam Lyons
- Garmin VIRB HD Action Camera
- An always popular perk: Golf cart access at EAA AirVenture 2016!

These items and many more will be available to the highest bidder starting at noon CST, December 1. Auction proceeds directly support EAA programs that preserve our heritage and make a positive impact on the future of aviation.

[Check out our list of auction lots here](#), and get ready to make your bid! If auctions aren't for you, a donation to EAA [via AmazonSmile](#) is also an option. Please keep us in mind as you're doing your holiday shopping on Amazon. Thank you!

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
c) 319-240-8128
chriss@cfu.net

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eaa227.com



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EAA CHAPTER 227 LEADERSHIP

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President	Warren Brecheisen	n146wb@cfu.net	319-277-2118
Vice President	Marty Hoel	hoelm@mchsi.com	319-231-1367
Secretary	Robert Gutknecht	robert.gutknecht.rg@gmail.com	319-269-7970
Treasurer	Dave Roberts	drdave@cfu.net	319-277-8128

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	Dave Hummel	cfihum@cfu.net	319-266-9561
Past President	Dave Dunn	djrwcd@hotmail.com	319-296-2914

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Historian	Dave Dunn	djrwcd@hotmail.com	319-296-2914

**Do you have anything aviation related that you would like to sell?
Please let us know so we can include items in
CLASSIFIED ADS**

Experimental Aircraft Association Chapter 227 publishes Tower Talk for the use education and enjoyment of Chapter members and others to whom it is provided. Chapter and national events, news of members, member projects, activities and general aviation items of interest to the membership are included. Editorial content is the opinion of the contributor and does not necessarily reflect the position of Chapter 227 or EAA and no claim is made for technical accuracy of material presented. Meetings are normally held the third Tuesday of each month in the Airport Conference Room. Please contact any officer for information about Chapter activities.