



July 2017

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	WHEN:	WHERE:	PROGRAM:
JULY MEETING	Thurs. the 13th ~6:30 pm	Marshalltown Airport East Hangars	BBQ & PATCH FLYING

WHAT'S FLYIN' THIS WAY !!!

Many members are out and about this week and will miss our annual Ice Cream Social, so we have switched the schedule around for July and August. This month will be our BBQ and we will have dessert for our After Osh meeting.

Bring your own meat and a dish to share if you want. Grills will be provided. Come early and watch or look at airplanes. As of right now, it looks to be a very hot day, so prepare accordingly. Bring a chair and water. There is always a place to find shade.

See you there!

WHAT FLEW BY !!!

Our last meeting was held around the pancake grill at Dave McCurry's hangar, but first we walked the airport road ditch doing our community service. Thanks to all who helped out with that. It's amazing some of the stuff we find. Or not.

Paul Adams was in Oshkosh working on the B-25 and Lorin Miller was "prepping" for an "exam" (you can ask him to explain). So the rest of the meeting comprised of eating pancakes and hangar flying. It was a bit breezy, so most airplanes were grounded.

In other news from the past month...

A few members made it up to **Iowa Falls for the July Fourth Fly-in**. It started out slow, but picked up after the haze and fog lifted in surrounding areas. Your newsletter editor and his wife drove up and took a few photos of the early birds. We had to leave by 9 so missed the latter arrivals. See inside for a pictorial.

Mike Hargrave is almost back in the air with his Cygnet which was damaged in the storm from a few weeks back. Just an aileron to cover and it will be done.

Ray Robinson was having his Emerald prop balanced during the Iowa Falls fly-in.

There was a visiting **B-17** in Des Moines toward the end of June. **Garry Brandenburg** took a flight! Check out his photos inside.

Doug Boyd has his Challenger back in the air and we are not sure about the oil leak on the Waiex, but considering we hear more about the Challenger, we think it's still an issue.

Ed Boehm is in the process of getting Sweet Pea back in the air. Might even be flying by the next meeting.

Bruce and Bev Gapstur did an impromptu Bagel and Homemade Jam fly-in over at the Traer airport on Saturday morning, July 8th. The weather was very cooperative.



Ray Robinson and an Expert Prop Balancer working on his Emerald prop.

CALENDAR

July 13	6:30pm	Marshalltown Muni
July 16	7am-11am	Forest City Muni
July 16	7:30-11am	Greenfield Muni
July 19	6:30pm-8pm	Marion Muni
July 24-30		Oshkosh
July 26-28		Clinton Muni
July 28-Aug 5		Indianola Balloon Field
Aug 6	7am-Noon	Humboldt Muni
Aug 6	7am-12:30pm	Monticello Muni
Aug 6	7:30am-Noon	Cresco Muni
Aug 11-13		Spencer Muni
Aug 12	8am-3pm	Marion Muni
Sept 16	7am-11am	Marshalltown Municipal

EAA Chapter 675 BBQ
Flight Breakfast
IA Aviation Museum Fly-in Breakfast
FAA Safety Seminar - Notams for Oshkosh
EAA AirVenture
Cessna 150/152 Fly-in
National Balloon Classic
Fly-in Breakfast
Fly-in Breakfast
Fly-in Breakfast
Doug Yost Aerobatic Challenge
Pilot Social and Spot Landing Contest (free)
Fly-in Breakfast and Open House



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HAVOC A 20

As a little enticement for those of you who haven't decided if you are going to Oshkosh this year and as a "look for this" for those of you who have decided to go, below are some pictures of a very rare aircraft that will be at Oshkosh this year. In fact it is already there. The following pictures were taken while I was at Oshkosh earlier this year. I believe this is the only flying Havoc A 20 anywhere. Enjoy!! Paul Adams



July Fourth 2017 at Iowa Falls



Paul Adams' Double Eagle Lifts Weights

A couple of weeks ago I did the weight and balance on the Double Eagle. It turned out heavy but also it was nose heavy, thus the need to add some tail weight. To accomplish this I made my first castings. Made from lead, the process was actually pretty easy. I learned how via the internet, but also used some of my own innovation. After determining where the weights were to be mounted to the plane, I needed to make two lead castings. My plan was to mount them sandwich style on the forward section of the tail spring with an additional mounting to the lower longerons. For molds, I bent up some scrap aluminum and sealed the corners with high temperature duct tape. The tape was my innovation. I made a wood box and using sand, I placed the molds in the boxes. The weight of the sand and boxes helped hold the molds during pouring. Dave McCurry had some lead and I bought some used lead weights from Big 8 Tire. The melting was done on a turkey fryer burner using a cast iron skillet. The junk on top of the melt was removed via a slotted spoon. For example, the steel retainers on the lead weights floated to the top of the melt. Steel is lighter than lead thus it floated to the top. Here are some pictures of the set up.



Next are the two castings removed from the mold. Removal was easy. I just cut the tape that was still bonded to the aluminum and bent down the sides. Next is a picture of the two castings out of the molds.



To finish the castings I first used my table saw. Lead cuts like hard wood on the table saw. I then used a Surform plane in a little holder I made. Here is a picture of that process.



I finished the castings with body filler, primer and paint. Mountings were made. I used thread inserts into the lead and bolts to the fuselage. Here is a picture of the final installation.



Garry Brandenburg Flies in B-17 “Madras Maiden”

The Liberty Foundation of Claremont, Oklahoma is sponsoring the B-17 “Madras Maiden” tour. When it arrived in Des Moines to give rides, Garry Brandenburg was able to hop on during the media flight. Here, he shares some of his photos with us. You can read about the airplane and the foundation at <http://www.libertyfoundation.org/index.html>



***Clockwise from top left...
Right Side Gunner's station***

Looking to the rear

***The Bomb Site station in the
nose***

Gary with the Pilot.