

# TUESDAY LUNCH PROGRAMS

*Lunch: 11:15 a.m. - noon*

*Program: noon - 1:00 p.m.*

*Sponsored by: Barn Gang*

## MARCH 4

### ***‘President eRockets, Prolific Volunteer with Wright Stuff Rocketeers (WSR)’, Randy Broadway***

What a show we had today. E-Rockets brought in dozens of their rockets for display and discussion. Randy led the discussion and answered all the questions.

E-Rocket is a manufacturer and retailer of rocket kits. They have more rockets than their competition (about 45 different kits), they hold classes, they build rockets, and they fly rockets. E-Rockets does a lot of work with kids, scouts, and other groups. They have links to all the local colleges. Their WPAFB event will see building of 750 rockets with over 600 launches. E-Rocket also participates in the Rocket Challenge where 1,000 teams launch. They are major supporters of STEM education in the region.

They typically do 20-30 launches per year. They work with teams participating in NASAs Student Launch Initiative.

These rockets have no guidance systems. They are launched remotely and are guided at the launch by rods or rails. There are black powder engines and solid chemical engines (more thrust). Most are single stage rockets, but multi-stage rockets are available. Most return by parachute.

Flights under 500’ are uncontrolled. Anything over 500’ require clearances and notifications be filed. They cannot fly into clouds, so a clear day is mandatory. Winds must be below 20mph. Eleven people have exceeded 88 miles and have therefore reached the edge of space.

## MARCH 11

### ***‘Automobiles Manufactured in Ohio’, plus a surprise program, Neil Webster***

Unusual programs today. We started with the slides from the recent discussion of auto manufacturers in Ohio. The technical problems that we had two weeks ago had been resolved. We went through the slides and resolved any unanswered questions.

The second half of the program was a biographical review of Neil's life and career. He has been the Program Chair for the Barn Gang for almost twelve years, yet he had never been thoroughly introduced. The program was suggested by Barn Gang members at a recent meeting and the timing of this presentation was ideal.

Now you know how he came to be an Industrial/Project/Manufacturing Engineer and the bumpy trail of company buy-outs and mergers that he experienced during his career. It led to broad experiences in various industries. It meant that he could walk into any factory and identify the problem areas. It also gave him the opportunity to do plant layout work in various industries to streamline operations and improve productivity.

We talked briefly about auctions and some of the auction related projects that arose during his time in industry.

## **MARCH 18**

### ***'Managing Your Health Care', Mike Browne***

Our first lesson regarding managing our health care was to look at just how much 'health care' has changed. From the doctor-hospital-specialist structure of our youth the system has fractured and morphed into an extended network where it seems everyone does a tiny, specialized part of the process.

This results in the need for considerable communication on the patients part, extensive record keeping, and the use of specialized technologies to keep track of all aspects of your health care.

As Mike continued to expand the list of health care fragments, it became more clear that this system isn't made to serve the patient, but rather it is for the convenience of the specialists. It seems that everything is set up to generate money for everyone in the healthcare industry.

Nurse practitioners, urgent care, emergency rooms at hospitals, specialists at various levels, insurance companies, hospitals tied to insurance systems, drug plans, testing labs, patient portals, concierge doctors, care coordination, Medicare A, B, C, D, and supplemental plans, and IRMA were all discussed. And this isn't a comprehensive list.

Patient portals, My Space, and other programs were discussed that are becoming necessary for people to manage their healthcare. It has gotten to the point already where a doctor won't tell you test results: they expect you to read and interpret your lab results on your own. It is becoming necessary to have a high quality cell phone that can handle all the information you are expected to juggle.

One piece of advice given was to have a list of your medications and the names and contact information for all your doctors in your billfold where emergency personnel will find it. Time is critical, so be prepared with information.

## MARCH 25

### ***‘The Great Dayton Flood – 112 years ago today’, Mark Risley***

We witnessed one of the best programs we have ever seen on the Dayton Flood of 1913. Mark did a great job and had so many photos, some that we had never seen. And it is appropriate that he started the presentation with a historical review of the new technology of photography which was not 100 years old at the time of the 1913 flood. At the time, the Dayton flood was the most photographed natural disaster to date.

There had been regular flooding in Dayton. All the rivers flow in and only one flows out. The Native Americans knew not to build in the river valley. They had their villages on higher ground. Major floods happened in 1866 and 1898.

The 1913 flood was one of those storms that result from unusual conditions. The soil was saturated with water and frozen. All the rain would run into the river system. We got 6-11” of rain in three days. The levees were not high enough and not strong enough. The levees eroded and failed flooding downtown.

It wasn’t just Dayton, Piqua, Troy, West Carrollton, Miamisburg, Franklin, Middletown, Hamilton, and Cincinnati all suffered flooding and storm damage from this freak storm system.

We got to see people stranded, rescue photos, the relief boats, and pictures of the recovery efforts. 360 deaths in Dayton; 850 deaths in the region. 3,500 horses and other animals died. Over 500 automobiles were ruined, and this is when autos were rare indeed. One strange statistic: over 15,000 pianos were destroyed by the flooding.

The Dayton Public Library suffered extensive damage. Steel High School was damaged and had to be taken down. The railroad system was devastated.

Martial Law and a Curfew were implemented and National Guard Troops brought in to enforce law & order.

Patterson of NCR headed the recovery effort. 65,000 people were displaced and \$200 million (in 1913 dollars) damage was done by the flooding.

NCR converted all facilities to rescue work. They had a ‘no pay, no tip’ policy for relief services including food, medical care, shelter, etc.

In 1914 the Conservancy District was founded as was the Engineers Club. Our building was completed in 1918 and that is the year when construction started on the Conservancy District dams. That five dam system was completed in 1922 and we have been flood free ever since.

The Conservancy District building is across Jefferson Street from the Engineers Club to reassure citizens that there will not be another flood. The levee

failed at the head of Jefferson Street and our buildings stand on either side of that site of the original levee failure.

**APRIL 1**

**‘Title Pending’, Dr. Christopher Ruscher, PhD., Spectral Energies**

**APRIL 8**

***‘Cyber Threats & Mitigation’*, Brian Kowal**

**APRIL 15**

***“Puzzles”*, Tom Lensch, thanks Karl Ayres**

**APRIL 22**

***‘Widows Among Us: Insights and Stories’*, Rebecca LaChance, PhD**

**APRIL 29**

***‘Digital Thread Curriculum’*, Alison Norton**

**MAY 6**

**‘Historically Significant Video’, Gavin Jenney**

**MAY 13**

***‘DIB STEM’*, Meredith Rogers**

**MAY 20**

***‘Shuttle Accidents’*, Mike Gran**

**MAY 27**

**‘AI, The Nuts and Bolts of AI’, Sal Cusumano**

**JUNE 3**

**‘Crypto Currency’, Karl Ayres**

**JUNE 10**

**‘Title Pending’, Julie Mitchell, Executive Director Special Programs  
and Continuing Education at University of Dayton**

**JUNE 17**

**OPEN**

**JUNE 24**

**OPEN**

**JULY 1**

**OPEN**

**JULY 8**

**OPEN**

**JULY 15**

**OPEN**

**JULY 22**

**OPEN**

**JULY 29**

**OPEN**

**On Hold**

**Lonnie Franks, 18 year old with new airplane wing tips**

**Debbie Chess (outreach speaker) New resources being offered by Dayton public library**

**Bike museum road trip to New Bremen**

**Road trip to Walt’s friends garage where he builds racecars**

**Karl Ayers, ‘Time’**

**Brian Kowal, Disinformation**

**Dr. Krane, next DNA talk in sequence**

**‘Solar Geoengineering’, Brian Kowal**

**Chuck Ciampoglio PhD, Wright State University, Lake Campus, Thanks Dr. Krane**

**Golden Lamb Historian, Jim Mattice, at the Club or at the Golden Lamb**

**Museum of the Air Force speakers bureau, Dick Palmer**

**Smithsonian Series, Brian Kowal and George Liston**

***Mike Browne, Roman construction methods, viaducts & bridges***  
***‘The Microchip Manufacturing Process’, Jagdish Prasad, Silfex***  
**Japanese military code ‘purple’, Joe McDaniel and others**