

Engineers' News

April 2019

Vol. 81 No. 8

[www.FortWayneEngineersClub.org](http://www.FortWayneEngineersClub.org)



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## April Tour



### **The old GE Building, now called Electric Works**

[1030 Swinney Ave, Fort Wayne, IN 46802](https://www.google.com/maps/place/1030+Swinney+Ave,+Fort+Wayne,+IN+46802)

Thursday, April 25, 3:30 pm

RSVP at [Treasurer@FortWayneEngineersClub.org](mailto:Treasurer@FortWayneEngineersClub.org).

Limited to 30 people. A four-page PDF file including a required waiver will be e-mailed in reply to the first 30 who RSVP. Print and complete the waiver before arriving at the tour, because daylight will be limiting our time on the site. No facilities or artificial light will be available onsite. Expect conditions of a vandalized abandoned building with some contractors working onsite.

- Participants must be able to climb multiple flights of stairs and walk over uneven surfaces, puddles, and debris.
- Mold, mildew, lead dust, broken glass, and other hazards are likely to be present where we tour.

- **Mandatory:** Appropriate shoes or better footwear which cover toes and heels, plus socks covering at least ankles. No open toes, open heels, slippers, flip-flops, etc..
  - Long pants/slacks and shirts with sleeves will also be required. No shorts, skirts, nor dresses.
  - Dress appropriately to be out in the weather. There will be no heat or lights, some exposure to rain and wind.
  - Bring your own appropriate eye protection. Ordinary glasses are okay.
  - The actual tour will vary based on building and contractor conditions at that time. Tunnels and other enclosed spaces cannot be visited.
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## **FWEC Membership Dues Reduced**

At our March officers meeting, a motion was put forth that we reduce club dues to \$0 for a trial period of two years. This motion was made after some discussion about how the club has been able to reduce our operating expenses significantly with the e-mailed newsletter, which has been our main expense in past years. It was also discussed that the lack of dues collection would not only make the Treasurer's job much easier, but it would also reduce expenses further because the collection of late dues would no longer be necessary. It should be noted that the club will still have expenses and we would like to try to cover these expenses with donations collected, either via check when we send out our annual membership card in September or at the tours themselves. The motion was seconded and subsequently passed, so dues will be reduced to \$0 starting September 1st, 2019. If you have any questions or comments on this motion, please plan on attending our next officer's meeting Tuesday, May 7th.

Sincerely,  
Ryan Stark

Treasurer

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## **Future Tours**

### **Extra event:**

What: A final viewing of Ryan & Sheri Stark's home-built airplane before it goes to the airport.

When: Thursday, May 2nd at 6:00 PM. Snacks and drinks will be provided.

Where: Blackstone Laboratories - 416 E Pettit Ave (look for the big blue building) in Fort Wayne, 46806.

Tour Notes: This is a follow-up tour of the home-built Van's RV-12 airplane that Ryan's father Jim Stark started several years ago. The club has seen this aircraft in years past in various stages of completion. It was moved from Ossian in September in order to gain more space to work on it. Ryan now has the avionics installed and the engine was installed in December. If all goes well, the airplane will be moved to Fort Wayne International in the middle of May and the first flight will be completed sometime in 2019."

**American LandMaster production facilities. TUESDAY, May 21.** Starts at 3:00 pm in order to observe work in progress. Meet at 2499 S 600E, Suite 102, Columbia City, 46725. Bring eye protection and/or glasses, long pants/slacks, socks, and shoes which enclose the foot."

**June Social: Tentatively June 27, 5-9 pm.** Come and go as you please to a joint gathering with TekVenture. Fort Wayne Engineers Club will provide pizza, some health-conscious items, and refreshments at their huge workshop facilities (note the plural) on Griffin Street in Fort Wayne.

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## Free Plane Ride for Kids

### **FREE AIRPLANE RIDES BY EAA-2 FOR KIDS: DeKalb County Airport**

Our local Experimental Aircraft Association Chapter 2 (EAA-2) has scheduled more Young Eagles flight events. These are FREE AIRPLANE RIDES for kids, 8-17 years old, which they have conducted annually for decades. On the DeKalb County Airport, flights are Saturdays, May 4 and June 15, from 9:00 to 1:00 at the Vintage 37 Clubhouse. On Smith Field Airport, flights are Saturdays, May 11 and June 8, 9:00 to 1:00 at the historic Hangar 2 (southeast corner of the airfield, adjacent to the new bike Trail). It is best to arrive a bit early to avoid waiting in line, and because the atmosphere can get more turbulent as the day warms up.

EAA-2 is CHANGING its monthly schedule a bit. The April "get-together" will still be Friday, April 12, BUT thereafter switch to Thursdays, such as May 9. These are 7 PM at the Ivy Tech Aviation Center along Cook Road in the northeast corner of Smith Field. This is typically for members but visitors are welcome and/or one can become a member during the gathering. The Ivy Tech Aviation Center typically has lots of things to look at and/or touch, including a wealth of static engines intended for teaching.

EAA-2 will have a Pancake Breakfast fundraiser the morning of June 29 at historic Hangar 2.

EAA-2 is also a primary volunteer group supporting the world-renowned AirVenture near Oshkosh, WI, each year. They would be an outstanding local contact for anyone wishing to be involved at that event. This year's AirVenture is July 22-28, 2019

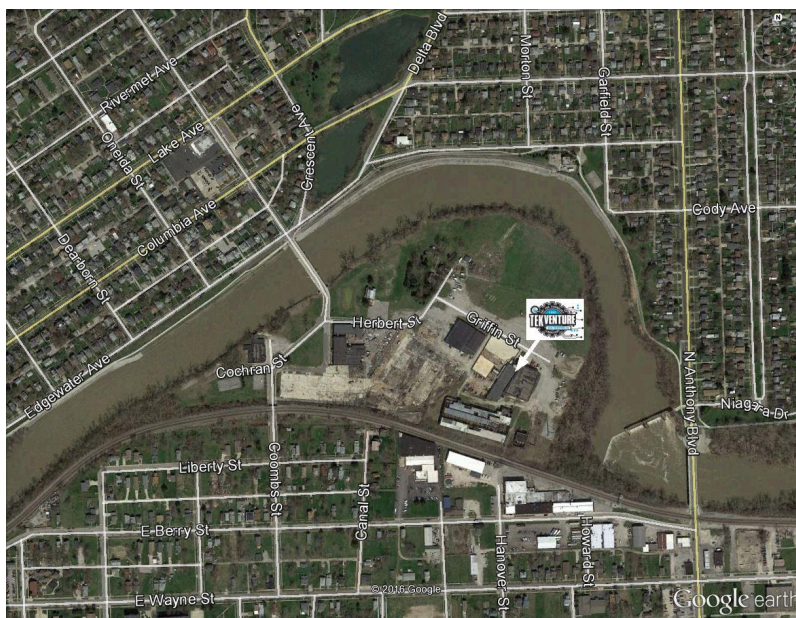
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## **TekVenture Meetings Open to The Public**

TekVenture has regular gatherings on many Thursday evenings which offer insight into their social opportunities and vast spaces for hobbies, workshops, theater, meetings, and project storage. See [tekventure.org](http://tekventure.org), including a fine picture of its location. This location has also substantially lowered their overheads and costs of membership.

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## **March Tour Summary**



The March Tour for FWEC was TekVenture, a public art, and technology center. It is a membership community of makers. Members pay a monthly to use all the equipment available in the many workshops at the site. Tekventure also teaches members how to use machines through other members or classes. FWEC had approximately 15 members and guests in attendance. TekVenture is located at 1550 Griffin Street in the former "River City Bar" along the eastern edge of downtown Fort Wayne.

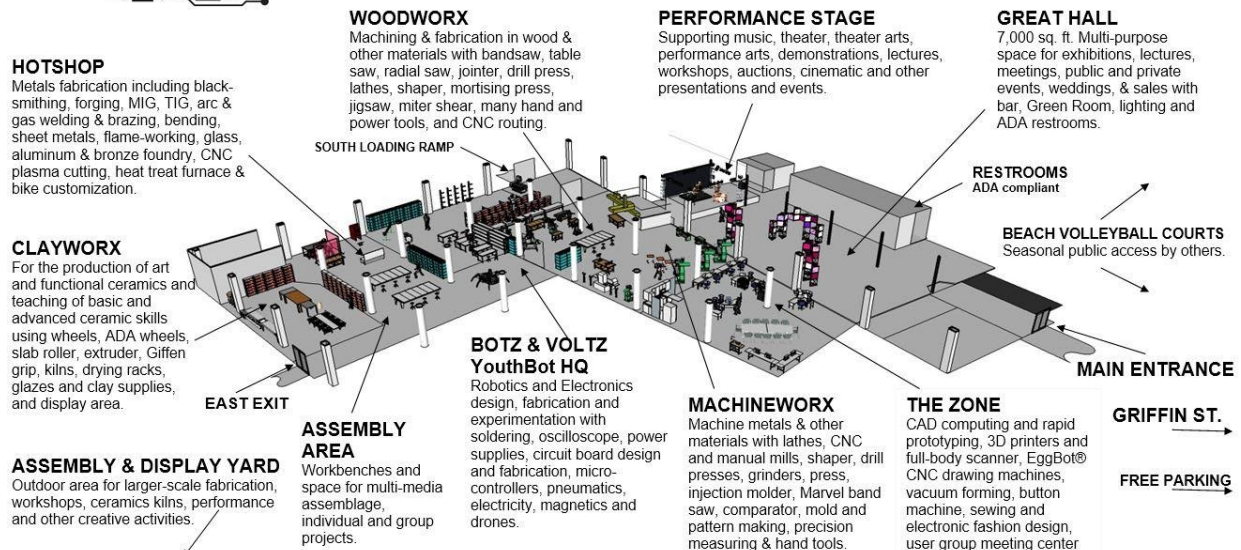
A big thank you to our tour guide, Greg Jacobs, and those involved with the demonstrations for showing us all that TekVenture has to offer. See the map below for location and description of each area.





## PUBLIC ART & TECHNOLOGY WORKSHOP

Access to Tools, Community Education and Services to Makers & Creatives  
Interconnecting Imagination, Technology and Community  
A 501.c.3 Non-profit Indiana Corporation since 2006



RIVER CITY 1550 Griffin Street, Fort Wayne IN USA 46803 [WWW.TEKVENTURE.ORG](http://WWW.TEKVENTURE.ORG) [facebook.org/tekventure](https://facebook.org/tekventure) 260.432.1095

The tour began in the “The Zone”. An area that had a 3D printer workshop, sewing machines, as well as a couple of computers for gaming or CAD. It also had a small cafeteria. Member Dan Hart demonstrated how 3D printers work by printing a working whistle. They were also able to recycle scrap plastic into new spools of wire. The sewing area had several household machines as well as a refurbished industrial sewing machine that is capable of sewing pieces of leather together. They recently used it to repair tents for the Old Fort. Next, we proceeded through the Great Hall, a 3,000 sq. ft. the area that is available for public rental. One member also uses the stage (left over for the venue’s nightclub days) to put on plays. In the WoodWorx area, there was a group of high school students learning the basic of fabrication was from Charlie Loew. Tekventure tries to work with the local community to grow the maker community.



The Woodworx shop has lots of equipment for all skill levels. They strive to have equipment that most people would not typically have in their home workshop. Next, we were shown a demo of the metal fabrication equipment which includes mills, lathes, drill presses, and other equipment. They typically use SketchUp to program one of the mills. They had several programs available, though. Our guide then showed us the clay pottery area where numerous products were in various stages of development. They had everything you could need to make pottery including six pottery wheels (one was handicap accessible) so groups can work on pottery together. In the HotShop area, blacksmith Scott Adams demonstrated the forge and blacksmithing tools while making replica bayonets for the Old Fort reenactors. They also had Mig & Tig welders, a plasma cutter, forms for soft metal forming. They had equipment for making molds for castings. We ended the tour at ElectroWorx where retired GE employee Mick Bierbaum showed off the electronics facility. ElectroWorx focused on robotics and constructing electrical items. Mick stated they like to tear apart old computers in their classes and help people get over the fear of working with electronics. Some of the tools this area had been oscilloscopes, soldering tools, and old electronics to practice on. They also had a set of Littlebits (basic circuit components that magnetically connect to teach people the basics of how circuits work).





All of the areas have numerous tools for members to use from various several sources. Much of the equipment is owned by users who leave it there for the group to use. Others are donated, typically by schools after they end their shop program, and others are purchased by TekVenture. It is a great place to learn new skills or hobbies or take your home projects to the next level.



For more information, please visit [WWW.TEKVENTURE.ORG](http://WWW.TEKVENTURE.ORG).

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**Northeast Indiana Chapter Project Management Institute**



## **April 24, 2019 - Running to Leadership: Team Building and Leadership Workshop**

Topic: Running to Leadership: Team Building and Leadership Workshop, Speaker: Anthony Reed, CPA, PMP

Anthony Reed is a CPA, PMP, runner of 131 marathons, and Certified Running Coach. He has completed multiple IT projects on or under budget for Fortune 500 companies, governments, and large consulting firms. The project processes are closely analogous to marathons in preparation, endurance, resource limitations, interpersonal relations, and response to unexpected threats. He has completed marathons on all continents including Antarctica.

The event is intended to accommodate inexperienced as well as experienced students, employees, consultants, and executives. It will address both physical and mental preparation, motivation, and risk mitigation.

The workshop will be 8:30-4:30 and limited to the first 30 registrations. Cost is \$85.

NEIC will hold its April meeting 5:00-6:00, focusing on Work-Life Balance. Cost for the Workshop and the April meeting is \$95. Cost for the April meeting alone is \$20.

The April meeting will be followed by Purdue Fort Wayne student Teach-Back Presentations 6:15-7:15. Cost is free.

The location for all three is Walb Student Union, Room G-21. [2101 E Coliseum Blvd, Fort Wayne, IN 46805](#)

[Register Here](#)

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## **FWEC roster for FY2018-2019**

FWEC roster for FY 2018-2019:

President: John Magsam

Vice President: Open and under discussion; comments and suggestions welcome.

Treasurer: Ryan Stark (456-0809).

Treasurer Trainee: Volunteer needed.

Secretary: Marna Renteria.



First-year Board Members: Rob Cisz. Another volunteer needed.

Second-year Board Member: Dave Gordon, Morgan Miller. Another volunteer needed.

Third-year Board Member: Rod Vargo (416-0986). Craig Welch.

Editor of Engineer News: Maruf Ahmad.

Membership and Contact Chair: Dave Schaller.

Northeast Indiana DiscoverE Chair: Rob Cisz.

PLEASE CONSIDER STEPPING UP INTO ONE OF THE OPEN POSITIONS. Most require very little time. The economy is booming, so tasks are being distributed across more people. Outgoing individuals are experiencing increased demands outside FWEC. Historically, Board Member ages range from high school through retirement. Participation tends to return more than it takes.

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## **FWEC Board Meetings**



Fort Wayne Engineers' Club board meetings are open to all FWEC members. The next FWEC board meeting will be on Tuesday, May 7 at 7:00 PM. Board meetings are held on the [Indiana Tech campus in the Academic Center](#) in room ACC-201.

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## **Advertise in the Engineers' News**

The FWEC provides advertising space within the Engineers' News. Advertisements are \$10 per issue and limited to ½ page of content. For submissions please contact [info@fortwayneengineersclub.org](mailto:info@fortwayneengineersclub.org).

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