

# FWEC

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

Engineers News

February 2009 - Vol. LXXI No. 6

## NOTES

### CLUB DIRECTORY

Hope you all received your directory. Let us know of changes and we can publish these monthly.

### DECEASED MEMBERS WE WILL MISS

*Richard Mollica*, 1/11, retired from I&M  
*Daniel Lovinger*, 1/8, retired from GE  
*Chester Krasienko*, March 12, 2008

### MEMBERSHIP

Send applications or dues to Ryan Stark, at 828 West Oakdale Dr., FW 46807, plus scholarship donations.

**New member:** *Ken Marsh*, full member. Welcome Ken, hope you will be able to take in some of our tours.

### FWEC ITEMS FOR SALE

Proceeds support student academic awards. Visit our website to shop!

### FWEC Officers & Board

*President:* Gene Dominique  
*Vice President:* David Skaggs  
*Treasurer:* Ryan Stark  
*Secretary:* Jim Delaney  
*Board Members:*

1st yr: Jack Phlipot / Pat Delaney  
2nd yr: Ellsworth Smith / Mary Gynn  
3rd yr: Rob Cisz / Jon Rowe

### FWEC runs great tours!

Invite co-workers and ask them to join – \$10/yr – memberships on web site.

**FEEL FREE TO POST THIS  
NEWSLETTER AT YOUR  
PLACE OF BUSINESS!**

## ENGINEERS WEEK

**FEBRUARY 14th thru the 21st is Engineers Week in Fort Wayne**, and we are celebrating with various activities including: Middle School and High School bridge building competitions; student visitations at engineering related businesses; Future Cities (local winner from Leo is going to DC for finals); and Robot Games recognition. A Saturday evening banquet at Indiana Tech's Andorfer Commons is planned where over 20 academic achievement awards will be presented. Citizen Engineer nominations have resulted in presenting this year's award to Gene Dominique, current FWEC president. See [www.indiana-eweek.org](http://www.indiana-eweek.org) for more on awards and banquet. FWEC has two tours arranged for Engineers Week for Tuesday and Thursday – see below.

## UPCOMING TOURS

### FEBRUARY 17, 4 PM - Tour of HARRISON SQUARE and PARKVIEW FIELD

Jon Rowe has been working with Brad Shank of Tin Caps to arrange our club tour of the new Harrison Square complex and Tin Cap's ball stadium. Greg Leatherman, city Redevelopment Director, will conduct the tour on Tuesday of Engineers Week. Greg's tour will compliment the banquet presentation which will also be on this new complex. We will meet in the parking lot off of Brackenridge and Webster Streets, and the tour will take about one hour. This is a construction site so wear appropriate clothing. If you have a hard hat bring it. If not, Brad will have some to hand out so we need a head count. If you plan to attend, please email JimD at [jimd3130@aol.com](mailto:jimd3130@aol.com) to advise. Men and women are welcome, but children should not attend. AFE members are also being invited, and you are free to invite adult friends and interested persons. The size of the group should not be a problem.

### FEBRUARY 19, 7PM - UNIVERSITY of SAINT FRANCIS

This tour for Thursday night is hosted by the School of Health Sciences at USF and will include a demonstration of their state-of-the-art simulators (dummies). The presentation, along with video clips on these simulators, will show how they are used in nursing education. All will have an opportunity to care for a simulator and check their nursing skills. The presentation and tour starts at the lower level of the Doermer building, corner of Leesburg and Spring St., starting in room 063 and then on to the sim lab. Our guide and presenter will be Jennifer Richard RN, MSN, Instructor, Department of Nursing, USF ([jrichard@sf.edu](mailto:jrichard@sf.edu)) who was recently published by Elsevier Inc. with "Beginning Experiences with Simulation: Asthma in a Pediatric Patient" under "Clinical Simulation in Nursing" ([www.elsevier.com/locate/ecsn](http://www.elsevier.com/locate/ecsn)) on this topic. The Simulator company's website is [www.meti.com](http://www.meti.com).

### MARCH 19, 7PM - City Utilities Sewage Treatment Plant on Dwenger Ave.

We have been working with Mark Gensic, PE, City Manager in Water Resources, on tours of city facilities, and our next tour is the sewage plant on Dwenger Ave. originally built in 1940. Mark will be conducting the tour, and we will meet in the parking lot across the street from the original 1940 entrance to start our walking tour of the recently modernized plant. Mark will also bring copies of the brochure on the long term control plan for the city's sewer system. Current work at another site - the dam and pump house and new electrical facilities at the Johnny Apple Seed/Up River Dam which impounds water for treating for city drinking water is still ongoing, and a tour of that facility will be pursued for the fall.

**Treasurer, Fort Wayne Engineers' Club**

828 West Oakdale Dr.

Fort Wayne, IN 46807

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## PAST TOURS AND OUTINGS

### **JANUARY 13: BRIDGES at IVY TECH**

The Machinist Group presentation by bridge designer, Kurt Heidenreich, on the IPFW pedestrian bridges at Ivy Tech's auditorium had ~50 people in attendance. These IPFW bridges are cable stay bridges designed with consideration for pedestrian vibrations and wind loading. The stays consist of bundled-multiple steel cables in a large jacket polyethylene sheath. ALMET fabricated the steel and R.L. McCoy built the bridge. Kurt Heidenreich prepared a software package for bridge designs. The St. Joseph River bridge by Engineering Resources has a 113 ft. maximum height above the bridge deck, and a 385 ft. longitudinal span between mast supports. The bridge cost about \$3.8 million with total project cost of about \$4.5 million. John Schamber (fwtoolman@hotmail.com)

### **JANUARY 15: BAE TOUR**

Despite the cold (-10 degrees as we left), there were 22 attendees to the BAE tour initiated by Dave Skaggs through Randy Brock of BAE who conducted this excellent tour. It never ceases to amaze me how many important and world-wide operations are rooted in Fort Wayne. Our tour viewed very special high tech machines putting together complex circuits. Display cases showed dramatic circuitry changes through the years. We saw a 20 layer circuit board being analyzed for an intermittent failure that was state of the art with many components in a small area. Soldering and connecting items has progress with components rapidly put on boards by robots from strips of components loaded on reels like old film. Great tour. BAE: <http://www.baesystems.com/Businesses/EIS/Divisions/PlatformSolutions/index.htm>.

## Last, but not least...

■ Bobby Munger, Indiana Tech student, is working on his senior project and seeking help. He is converting a VW Beetle to run on electricity and will gather statistics to compare to the gasoline version. He needs a number of items to complete the project. If you wish to help, contact Bobby at (260) 525-3000/bobby.munger@gmail.com

■ TekVenture's Chain Reaction Challenge will be March 7th at the main ACPL. Time is short, but you can still sign up to make a link and join in the fun. Visit web site link [www.TekVenture.org](http://www.TekVenture.org), or contact JimD at (260) 484-8104 or jimd3130@aol.com.

**A JOKE:** An engineer was crossing a road one day when a frog called out to him and said, "If you kiss me, I'll turn into a beautiful princess." He bent over, picked up the frog and put it in his pocket. The frog spoke up again and said, "If you kiss me and turn me back into a beautiful princess, I will stay with you for one week." The engineer took the frog out of his pocket, smiled at it, and returned it to the pocket. The frog then cried out, "If you kiss me and turn me back into a princess, I'll stay with you and do ANYTHING you want." Again the engineer took the frog out, smiled at it, and put it back into his pocket. Finally, the frog asked, "What is the matter? I've told you I'm a beautiful princess, that I'll stay with you for a week and do anything you want. Why won't you kiss me?" The engineer said, "Look I'm an engineer. I don't have time for a girlfriend, but a talking frog... now that's cool!"