

FWEC

www.FortWayneEngineersClub.org

Engineers News

January, 2010 - Vol. LXXII No. 5



National Engineers Week is February 14-20. The Awards Banquet on the 20th is at Indiana Tech in the Andorfer Commons. The American Society of Civil Engineers is the lead organization for E-Week and **Rick Slayback** is the Chairman. **Jake Dinius** heads up the Achievement Awards; **Jim Delaney** is taking nominations for Citizen Engineer; **Pat Delaney** handles public relations; **April Bledsoe** is responsible for banquet arrangements; **Amy Delaney** is the Treasurer; and a variety of other FWEC participants will be making the week a success. Many activities are planned for Engineers Week to present engineering to the public and remind all of the importance of engineering in daily living. We could use your support on the Committee or as one of 10 award presenter during the banquet. FWEC provides presenters for the FWEC award and Weitzman sponsored awards. **Please contact Jake Dinius for additional information (260) 797-9819.**

HELP PROMOTE FWEC!

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! Check FWEC items for sale at www.FortWayneEngineersClub.org - sales support student awards.

JANUARY TOUR

Tour: Norfolk and Southern's Lake Division Dispatch Center

When: January 21, 2010, AT 7:00 P.M.

Location: 7315 Nelson Rd, Fort Wayne

Attendees are to enter door A9 on the North end of the building on the Eastern most lot on the property. The Lake Division is NS's second largest division out of its eleven. We will be touring the dispatch center which was renovated in late 2008, early 2009. The Lake Division dispatch center is a former Nickle Plate open air round house for steam engines. There is currently glass block and brick covering the area where the former steam engine tracks were; these tracks merged on the east side of the building at a locomotive turn table for the one way steam engines, if it isn't too dark the turntable should be visible to us. In the 1970's the Chicago and Fostoria dispatchers worked from little rooms in this building, they would have a single desk and run the operation using switches and a single phone. After the multimillion dollar renovation all lake division dispatchers work from here and this building now employs approximately 50 people.

This tour is limited in participants, so RSVP to fortwayneengineersclub@yahoo.com by Tuesday January 19th.

Upcoming Tours

- **February** will be at **Indiana Tech** with a tour and presentation on renovation of the **Seitz's Center built in 1857** (to be renamed Administration Center) and the innovative installation of a geothermal multiple-building heating and cooling system. More information at <http://www.indianatech.edu/News/Pages/Makeover.aspx>.
- **March** is scheduled for 7PM the 25th for a tour of Old and new technology in broadcasting transmitters for **WOWO**. We will meet off of HWY 24 West at the transmitter site (identified by a tall antenna) and see the famous 100,000 watt transmitter which is now dormant due to newer digital equipment which will also be on display. **Jack Didier** will be our tour guide. An additional historic treat will be the exciter for the almost implemented stereo AM system patented by our local engineer, **Bob Streeter**, who is also expected to be in attendance. Visit the WOWO website for more interesting history information.
- **April** will be planned for a return visit to the **Filtration Plant** to see ongoing improvements to the water system.

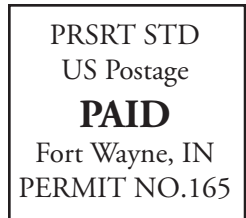
Notes

Membership and Dues: If you have an 09 above your name on the address label you are past due and delinquent, so please send in a check. If you have the number 10 (or greater) above your name, then you are all paid up. Please send dues and engineering student award donation to the treasurer, Ryan Stark, 828 West Oakdale Dr., FW, 46807.

Treasurer, Fort Wayne Engineers' Club

828 West Oakdale Dr.
Fort Wayne, IN 46807

Return Service Requested



Past Tours and Outings

DECEMBER 17, 2009

FWEC enjoyed a tour of Mad Anthony's Original Brewing Company at 2002 Broadway, Fort Wayne. Tours were run in groups due to Mad Anthony's capacity for attendees. Mr. Blaine Stucky, Brew Master, conducted the tours and provide tasting samples. <http://www.madbrew.com/food/MadAnthonyMenu2009.pdf>. The American Society for Quality, Northeast Indiana, Section 0905 was also invited.

NOVEMBER 18, 2009

The FWEC enjoyed a joint tour of the **Fort Wayne Metals** facility w/ ASM & SAE which included dinner at 6PM and tour 6:45PM. Fort Wayne Metals was a very gracious host and one of the industry leaders in medical wire making. More info on www.fwmetals.com. "The Leader in Medical Wire." Fort Wayne Metals wire ends up in medical devices saving lives. They grew from a small wire mill in 1970 to the market leader for custom-drawn precision fine wire for medical and surgical products in the US and provide round or flat wire of any shape, strands or composites like DFT®, Titanium alloys or Nitinol.

OCTOBER 22, 2009

Another great FWEC tour with Bill Maxwell and Andrew Schipper who covered the **St. Joseph River Dam** with the new switchgear and generator building and the old original 1930s pump building connected to the dam. We were all over the facility and if anyone missed anything it wasn't Bill's fault - 28 members and guests attend. Summary: new switchgear building with two 34.5/4.160 kV transformers, a 1000 kW, 1500 hp diesel generator, protective relaying and supervisory control. The old building has four pumps that draw water from two wet wells and deliver water through valves and two parallel 42" pipes to the filtration plant. Two new pumps operate at 4160 volts from the new switchgear and two older pumps are back-up and operate at 2400 volts delta served from two I&M transformer banks fed from two different lines. The plant is checked twice a day and Dam operation includes adding summer batter boards and removing in the fall and checking trash screens at heavy times during the year. Concrete maintenance work is scheduled in the near future. The city's water needs come from this dam reservoir, backed up by water impounded at Cedarville and at Hurshtown Reservoir.

SEPTEMBER 24, 2009

The **Public Safety Academy** of Northeast Indiana, at 7602 Patriot Crossing in the Southtowne Community Revitalization Enhancement District (CRED), is part of economic development on the south side of the city. Don Perry was our guide of this fine facility, one of the first installations in the nation to use state-of-the-art fiber optics broadband to deliver training to Allen Co schools through ACEnet and Verizon's Fiber-to-the-Premise. The Public Safety Academy of Northeast Indiana - is a regional facility employing state of the art on-site and distance learning training and education offerings for first responders and future public safety leaders. It employs innovative technology and best practices to provide the finest offerings to a 12 County Northeastern Indiana region. Its mission is as follows: 1. Deliver integrated public safety training to over 5000 regional 1st responders. 2. Provide education for future public safety leaders in a dynamic learning environment. 3. Employ best practices and innovative technology in public safety training and education. – <http://www.publicsafetyacademy.org/>

Joke

And that's how the fight started: My wife was hinting about what she wanted for our upcoming anniversary. She said, 'I want something shiny that goes from 0 to 200 in about 3 seconds.' I bought her a scale.... and that's how.....