

# FWEC

www.FortWayneEngineersClub.org

Engineers News

February, 2010 - Vol. LXXII No. 6

## Upcoming Tours

- **March** is scheduled for 7 PM 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** is not arranged or scheduled at this time and will not be at the Filtration Plant as previously reported.
- Plans are being put together for a **second tour of the Norfolk and Southern's Lake Division dispatch center**, 7315 Nelson Rd, Fort Wayne. Stay tuned – check the web site for updates.

## Notes

### DUES:

Please help us out to get your dues up to date. If you have an '09 on your address label you are past due and delinquent. If you have '10 (or greater) above your name you are all paid up. **Please send dues and award donations to the treasurer, Ryan Stark, 828 West Oakdale Dr. FW 46807.**

### 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!**

## FEBRUARY PRESENTATION AND TOUR

**WHEN:** February 18, 2010, AT 7:00 P.M.

**LOCATION:** Indiana Tech's Andorfer building, room 207

A presentation will be given by **Viridian Architecture, Terry Thornsby, Primary Engineering, Mike Lubbehusen, and Builder, Michael Kinder and Sons (MKS) with Bill or Doug Kinder**. We are hopeful the presentation will be able to be followed by a tour of the renovation of the **Seitz Center built in 1857** (to be renamed Administration Center) and the innovative installation of a geothermal multiple-building heating and cooling system. We will be meeting in room 207 of the Andorfer building for a presentation before a tour. More information <http://www.indianatech.edu/News/Pages/Makeover.aspx>

## National Engineers Week is February 14-20

**The Awards Banquet on the 20th is at Indiana Tech in the Andorfer Commons.**

The lead organization for E-Week is the American Society of Civil Engineers and **Rick Slayback** is the Chairman. **Jake Dinius** heads up Achievement Awards, **Jim Delaney** 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. Activities are planned for Engineers Week to present engineering to the public and remind all of the importance of engineering in daily living. FWEC provides presenters for the FWEC award and Weitzman sponsored awards. Visit the e-week web site [www.indiana-eweek.org](http://www.indiana-eweek.org). or contact Jake Dinius (260) 797-9819.

**BANQUETS DETAILS – tickets and program:** The banquet is the final event of Engineers Week. It will be held Saturday evening, February 20, 2010. Doors open at 6:00 o'clock with dinner at 6:45pm. Register for the Banquet by February 15th by sending your check (\$25 per person) and a list of individuals in your party to: Engineers Week Committee, R.L. Guimont, 923 Spring Street, Fort Wayne, IN 46808. Menu: Oven Roasted Pork Loin, or Pesto Pesto Chicken, or Veggie Pasta. After February 15, each ticket is \$30. If you have questions please contact Nancy at 260-422-7081 or [nancy@rlguimont.com](mailto:nancy@rlguimont.com).

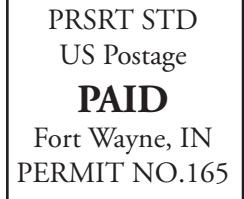
**The keynote speaker for this year's banquet will be Bill Sinish.** Bill's father Don was the 1998 Citizen Engineer and will be speaking about his company, **Nature's Fuel and their project for converting Waste to Energy**. The main focus of the presentation will be about their current project with the city of Huntington, Indiana to process their municipal solid waste and use it to generate electricity, bio gas and bio oil from a pyrolysis process. This presentation will be very current and green.

More can be found about Nature's Fuel on their website: <http://www.naturesfuel.net/nf2/naturesfuel.cfm>

**Treasurer, Fort Wayne Engineers' Club**

828 West Oakdale Dr.  
Fort Wayne, IN 46807

*Return Service Requested*



## Past Tours and Outings

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**January Tour:** *Norfolk and Southern's Lake Division dispatch center*, 7315 Nelson Rd, Fort Wayne. There were 16 attendees to the Thursday night, January 21, 2010, tour at the RR yards along Nelson Rd. west of New Haven. The dispatch center is a secure site, considered important by Homeland Security in the service it performs moving goods in the eastern part of our country – only two major RR systems perform shipping in the eastern part of our country. Norfolk and Southern employs about 30,000 people compared to 200,000 in the past. Our tour guide was Train Master, Bruce Carpenter who was most informative and helpful and answered many questions. This Lake Division is NS's second largest division out of its eleven and this high tech dispatch center, renovated early 2009 is in the former Nickel Plate open air round house for steam engines. All Lake Division dispatchers work from here with about 50 people handling 100 trains a day. Divisions dispatched from here include: 1. Sandusky, Toledo, Cleveland; 2. Columbus, Dayton; 3. New Castle Frankfort; 4. Chicago, Marion; 5. Fostoria, Lima.

**December tour:** *Mad Anthony's Original Brewing Company* tour, 2002 Broadway. Tours were run in groups by Mr. Blaine Stucky, Brew Master who conducted the tours and provide tasting samples. American Society for Quality, Northeast Indiana, was also invited. <http://www.madbrew.com/food/MadAnthonyMenu2009.pdf>

**November tour:** *Fort Wayne Metals*, 9609 Ardmore Ave., Fort Wayne, IN., Nov. 18, 2009. The FWEC enjoyed a joint tour of the Fort Wayne Metals facility w/ ASM & SAE which included dinner at 6 PM and tour 6:45. Fort Wayne Metals was a very gracious host and one of the industry leaders in medical wire making. More info on [www.fwmetals.com](http://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 Tour:** *St. Joe River Dam* facility off No Anthony Blvd. Another great FWEC tour with Bill Maxwell and Andrew Schipper who covered the St. Joseph River Dam, the new switchgear and generator building and the old original 1930s pump building for the 28 members and guests who attended. 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 sends through valves and two parallel 42" pipes to the filtration plant. The two new 4160 volt pumps run off the new switchgear and two older back-up pumps operate at 2400 volts delta from two I&M transformers fed from two different lines. Concrete maintenance is scheduled for the near future. The city's water comes from this dam, backed up by Cedarville dam and Hurshtown Reservoir.

## Joke

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During the heat of the space race in the 1960's, NASA decided it needed a ball point pen to write in the zero gravity confines of its space capsules. After considerable research and development, the Astronaut Pen was developed at a cost of \$1 million. The pen worked and also enjoyed some modest success as a novelty item back here on earth. The Soviet Union, faced with the same problem, used a pencil.