



Fort Wayne

ENGINEERS' Club

www.FortWayneEngineersClub.org

Engineers News

February 2014 - Vol. LXXVI No. 5

February Tour

WaterFurnace International

Tuesday, February 25th, at 6:00 PM
9000 Conservation Way, Fort Wayne, IN 46809

FWEC board member Rod Vargo has arranged the February tour of WaterFurnace International. WaterFurnace designs and manufactures commercial and residential geothermal heating systems. At the WaterFurnace facility, visitors can see firsthand the operation of the geothermal water loop system, and the lobby features an interactive, touch-screen computer, which provides technical information on the system. Tour participants are asked to bring safety glasses if they own them; WaterFurnace will have a limited number to loan out. Additionally, due to WaterFurnace insurance, the tour cannot accommodate participants younger than 18 years of age.

Northeast Indiana Engineers' Week – Banquet

Please mark your calendars for the Northeast Indiana Engineers' Week banquet to be held on Saturday February 22nd at Wallen Baptist Church (1001 Wallen Road Fort Wayne, IN 46825). The doors will open at 6:00 with dinner being served at 6:45. The dinner menu and reservation instructions are posted on the Northeast Indiana Engineers' Week website (<http://www.indiana-eweek.org/indiana-banquet.html>). The banquet will be hosted by Science Central Executive Director Martin Fisher; the evening is enjoyable with highlights including presenting the academic awards to students by E-week organizations and the presentation of the Citizen Engineer award.

FWEC 2013-2014 Membership Year Dues – Past Due

Membership dues for the 2013-2014 FWEC membership year are past due beginning in January. Please review the address label on your mailed September newsletter to determine whether or not dues are owed. Anyone with a "13" needs to pay for the 2013-2014 membership year. Anyone with greater than 13 is paid past the 2013-2014 membership year. If you are uncertain whether or not you still owe dues for the 2013-2014 membership year, Treasurer Ryan Stark will be contacting past due members. Annual membership dues are \$10/year for full and associate members and \$5/year for student members. Dues can be paid through the mail by check or paid online at our FWEC website:

<http://www.fortwayneengineersclub.org/membership.html> (note: there is an additional \$1 service fee).

This is also a good opportunity to add a donation to the FWEC contributed academic award (<http://www.indiana-eweek.org/indiana-academic.html>) that is given during the Northeast Indiana Engineers' Week celebration held in February.

FWEC Tin Caps Night

The FWEC will again have a night out at the Tin Caps on Thursday May 22nd with the first pitch at 7:05 PM. We'll be sitting in the Home Run Porch (http://www.milb.com/documents/9/4/6/64039946/2014_Seating_Chart_gnpx3efg.pdf) and will have the Grand Slam package that includes and all you can eat menu of: hot dogs, pulled pork (NEW!), brats with sauerkraut, pasta salad, potato salad, macaroni & cheese, apple crisp dessert, and complimentary soft drinks. The Grand Slam package is available from 6:05 PM to 7:35 PM. Additionally, this is a Tin Caps Thirsty Thursday (\$1 domestic draft beer), Vera Bradley's Turn the Park Pink to raise breast cancer awareness, and a post-game fireworks night. Tickets are \$26 per person. Please RSVP to FWEC Treasurer Ryan Stark (fortwayneengineersclub@yahoo.com) prior to May 5th.

Welcome New FWEC Member

Welcome to new members Daniel Ferrier BSME and Michael Magsam BSME. Please encourage your co-workers to join the FWEC; at \$10/year it's one of the best deals in town!

FWEC Display at the Maker Faire

The FWEC is still looking for people to help create a display featuring the FWEC at the Maker Faire (<http://makerfairefortwayne.com/>). The display would help attract additional FWEC members and promote our club during the Maker Faire.

January Tour History

Twenty-nine people turned out in bitterly cold weather for this highly anticipated tour. Martin Fisher, Executive Director of Science Central, hosted the January tour of Science Central featuring their new Science On A Sphere exhibition. Martin has been with Science Central for the last six years and began by relating that the organization's serious economic woes have been completely reversed during his tenure and the facility is now in a slow but careful expansion including much emphasis on bringing in or even owning ever-changing traveling exhibits. Attendance for 2013 was second only to Fort Wayne's nationally recognized (top ten) zoo. The Science Central building is a former electrical generating station, opened in 1929, whose west half remains unused and available for conversion. We then went on a brief tour of the existing public space. Jim Delaney, a FWEC Board member and retired engineer for the power company, provided engaging info about the building (and beyond) as we walked through. We were among the first to view the new Science On A Sphere exhibit, a room with a six-foot diameter, white latex-painted Fiberglas sphere suspended from the ceiling. The room may be used as a theater, wedding facility, party room, or otherwise. Four projectors on the surrounding walls each illuminate a quarter of the sphere with high-definition video images distorted and otherwise manipulated by computers to convincingly fit and move across the curved surfaces. This provides the illusion of a moving life-like globe suspended in the center of the room. The computers are part of the exhibit and are capable of generating research or unique visuals. The technology was developed by the National Oceanic and Atmospheric Administration (NOAA) to better utilize three-dimensional formats for earth and space research. Thousands of videos are available mostly free from NOAA (http://sos.noaa.gov/What_is_SOS/index.html) and NASA, including real-time satellite weather, satellite images of various planets and many of their moons, and a chronology of earth's plate tectonics with Indiana's outline on it. This Sphere is the first of its kind in Indiana, among only 129 worldwide, and is sufficiently unique that ideas from this installation are being proposed worldwide.

2013-2014 FWEC Board

President: MieLecia Martin
Vice President: John Renie
Treasurer: Ryan Stark
Secretary: Elizabeth Garr
1st Year Board Members: John Magsam & Rod Vargo
2nd Year Board Members: Dan Delaney & David Momoh
3rd Year Board Members: Jim Delaney & Jack Phlipot

FWEC Board Meetings

Fort Wayne Engineers' Club board meetings are open to all FWEC members. The next FWEC board meeting will be Tuesday March 4th at 7:00 PM. Board meetings are held on the Indiana Tech campus in the Zollner Engineering Center in room Z-203 (www.indianatech.edu/SiteCollectionDocuments/Campus_Life/Campus_Map.pdf).

Northeast Indiana Engineers' Week Academic Award Contributions

Does your company or business give back? Would you like to see them support local engineering and engineering students? The Northeast Indiana Engineers' Week Committee is looking for companies that would be interested in contributing toward the Academic Awards that are presented to local engineering students during National Engineers' Week. If you, or your company, have interest in contributing please contact Jake Dinius at j_dinius@yahoo.com. Additional information regarding academic awards can be found: <http://www.indiana-eweek.org/indiana-academic.html>.

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