



Fort Wayne

ENGINEERS' Club

www.FortWayneEngineersClub.org

Engineers News

May 2013 - Vol. LXXV No. 9

May Presentation

Ivy Tech North Campus

The Steel Dynamics Inc., Keith E. Busse Technology Center, Room TC1225
Thursday, May 16th, at 7:00 PM
4900 Saint Joe Road, Fort Wayne, IN 46835

FWEC board member Jim Delaney has arranged a presentation and viewing of a Chevy Volt. Our host, Deep Thakur, will start the meeting in room TC1225 with a presentation briefly introducing hybrid and electric vehicles, covering Chevy Volt basic concepts and statistics, discussing the propulsion battery cell, highlighting the electric braking and regenerative braking energy capture, and finishing with heating and cooling. Tour attendees will then be able to examine a Chevy Volt that will be onsite in the Ivy Tech automotive department.

June Event

Fort Wayne Tin Caps

Thursday June 20th, First Pitch at 7:05 PM
Parkview Field, 1301 Ewing Street, Fort Wayne, IN 46802

The FWEC will have a night out at the ballpark. Grab the family and join your fellow FWEC member for an all-inclusive night. For \$25/adult participants will have seating in the "Home Run Porch" with the Tin Caps "Grand Slam" package. The "Grand Slam" package provides dinner in an all-you-can-eat variety from 1 hour prior to the first pitch and 30 minutes after (for our night from 6:05 to 7:35). The dinner menu includes: hamburgers, hot dogs, brats with sauerkraut, pasta salad, potato salad, macaroni & cheese, apple crisp desert, and soft drinks. To up the ante, June 20th's game is a "Thirsty Thursday" where domestic beer is \$1 and boasts post-game fireworks.

Our seats are in the "Home Run Porch" (http://www.milb.com/content/page.jsp?sid=t584&ynd=20091014&content_id=7455504&vkey=tickets) off of the 3rd base run.



The FWEC only has a specific number of seats held in reservation. Please let treasurer Ryan Stark know if you (and your friends and family) will be attending at fortwayneengineersclub@yahoo.com. You will then need to mail your check to: FWEC Treasurer C/O Ryan Stark, 828 West Oakdale Drive, Fort Wayne, IN 46807. **All tickets must be paid prior to June 1st.**

2013-2014 FWEC Membership Year Board Openings

The FWEC has board membership openings for the 2013-2014 year. We're in need of a Vice President (who would then become President in the 2014-2015 year). For more information about the board positions, please consult the FWEC constitution (<http://fortwayneengineersclub.org/constitution.pdf>) or contact a standing board member. Any interested party should let us know at fortwayneengineersclub@yahoo.com.

April Tour History

On April 25th the FWEC joined the Fort Wayne section of SAE (Society of Automotive Engineers) for a tour of Lingenfelter Performance Engineering (LPE). The tour was broken into two groups due to member participation (between 40 to 60 participants). LPE highlighted their facility featuring their engine dynamometer and chassis dynamometer test capabilities (with live performances!). Thank you to FWEC (and SAE) member, Jason Haines, for allowing us to tour the facility and leading one of the two tour groups. Additional thanks to Joseph Dick for leading our other tour group.

Most of the vehicles that Lingenfelter modifies are GM products like Camaros and Corvettes; though they also modified and maintain the world's fastest naturally aspirated Dodge Viper. Another big part of their business is modifying armored government vehicles. Some of the armor added to those vehicles can nearly double the total weight, so it's important to have an engine with enough horsepower to handle it and make a quick getaway if needed. The club was also treated to some good insight about the type of fuel used in these high-powered engines and some of the challenges that these different fuels can present.

Welcome New FWEC Member

Welcome to new member Herbert Hildebrand BSEE of Superior Essex.

Please encourage your co-workers to join the FWEC; at \$10/year it's one of the best deals in town!

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>.

International Learn to Fly Day

On May 18th from 9:00 AM to 1:00 PM the EAA (Experimental Aircraft Association) Chapter 2 (www.eaa2.org) will host Intl Learn to Fly Day at Smith Field Airport (SMD). Free seminars on flight training at 10:00 AM, 11:00 AM, and 12:00 PM by Sweet Aviation. Introductory flights in a Diamond DA20 or DA40 will be available (weather permitting) for \$59 and will include a logbook. View static aircraft; visit with pilots, flight instructors and location aviation organizations. Please join the EAA Chapter 2 for Learn to Fly Day and bring a friend!

Allen County Sheriff's Citizen's Academy

In 2012 FWEC member Jake Dinius participated in the Allen County Sheriff's Citizen's Academy; he highly recommends it to other civic minded persons interested in better understanding law enforcement operations. The Sheriff will take applications from July 1-31 for the 2013 Academy scheduled to start in August. There is no cost for this program. Additional information is available at: <http://www.allencountysheriff.org/humanresources/citizens.html>. For an application, please contact Laura Braun at (260) 449-7415 or laura.braun@co.allen.in.us

The Allen County Sheriff's Citizen's Academy offers residents the opportunity to have an in-depth exposure to the real world of law enforcement, along with learning the many divisions of County Government. Department instructors and staff will give presentations about the many aspects of law enforcement including patrol, criminal investigation, crime scene processing, K-9, SWAT operations, along with touring many of the County buildings. The Academy meets every Wednesday from 6:00 PM to 9:00 PM for 12 weeks. The Citizen's Academy is open to all Allen County residents 16 years and older. Citizens 13 to 15 years old may attend the Academy if they are accompanied by a parent or legal guardian. The next session of the Allen County Sheriff's Citizen's Academy will be August 21st through November 6th, 2013. The classes will be held at the facility located at 5080 Adams Center Road, Fort Wayne, IN 46806.

2012-2013 FWEC Board

President: John Magsam
Vice President: MieLecia Martin
Treasurer: Ryan Stark
Secretary: Elizabeth Garr

1st Year Board Members: Dan Delaney & David Momoh
2nd Year Board Members: Jim Delaney & Jack Philipot
3rd Year Board Members: Deborah Pitzer & Robert Vargo
(Replacement for Ralph Snyder)

Engineers' News Past

The FWEC has a significant history; Treasurer Ryan Stark and his wife were able to find past Engineers News documents dating back to 1938! Here is an excerpt of the past newsletter (a scanned copy of the entire newsletter is available through the FWEC website):

Engineers' News from March 17th, 1939:

WELCOME FARNSWORTH!

It was with great satisfaction that we learned that the FARNSWORTH TELEVISION & RADIO CORPORATION had selected Fort Wayne as its new headquarters for research and manufacture of its famous products. Most of you have read the newspapers' accounts describing the acquisition of the well-equipped Capehart plant here by Farnsworth Company. It is expected that Mr. Farnsworth, famous young pioneer in television, will soon come to Fort Wayne with his staff of some 30 engineers and start experimental laboratories. Plans include building a television transmitter here.

The General Household Utility Company was also acquired by Farnsworth. The Marion plant will build radio receivers and related parts while the Fort Wayne plant will make television sets and automatic phonographs. President of the new concern, E.A. Nichols, long time executive of RCA, will have offices in Delaware. Mr. Farnsworth, as Vice President and Director of Research, will make his headquarters in Fort Wayne.

We cordially welcome Mr. Farnsworth and his associates to Fort Wayne and assure them of our heartiest cooperation.

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