



## SAFETY EXPO 2009

The first annual Safety Expo was held on September 17th at the Crossroads Expo Center. Sponsored by the Labor Management Cooperation Committee (LMCC) of the Western Ohio Chapter of the National Electrical Contractor's Association (NECA) and the International Brotherhood of Electrical Workers (IBEW) Local 82, the event featured safety equipment exhibitors, speakers, and demonstrations by safety experts. Over 150 attendees had an opportunity to learn about the latest in electrical safety equipment and hear industry speakers. Paul Chaney and the Local 82 Safety Committee were instrumental in coordinating

this outstanding event. Several NECA customers, including Cargill, Miami Valley Hospital and Heapy Engineering, dropped by the Expo to get a first hand look at the importance of safety to IBEW workers.

Exhibitors included safety clothing and personal protective equipment (PPE) manufacturers and distributors: RavenRock Workwear, Tyndale, Argus-Hazco, Hagemeyer, Riverside Manufacturing, Westex, Safety Solutions, Salisbury, Sperian, MSA, and United Sales Associates. Safety tool representatives included

Contractors Choice, Milwaukee, and Snap-On Tools. Hometown Urgent Care WorkCare Center also participated. With seven locations, they specialize in treating workplace accidents.



*MSA Fall Protection Specialist Mike Noe demonstrates the use of safety harnesses.*

Red Wing Shoes set-up their truck with a portable store so participants could purchase safety boots.

Several speakers were on hand to discuss electrical

safety and arc-hazards on the jobsite. Rich Gojdics from Westex spoke about the type of clothing required to prevent burns from arc-flash. Michael Noe from MSA discussed fall protection and demonstrated the proper technique of using a safety harness. Salisbury's Mark Filling spoke about selecting the right PPE and the importance of always wearing proper safety equipment, even when you're alone. DP&L was also on hand to demonstrate power line safety with their program "Think Hot, Stay Safe." The featured speaker of the Expo was Hugh Hoagland, an expert on electrical safety. (see page 2).

A big thanks to all of those who volunteered to make the first annual Safety Expo a great success!

(See more photos on page 2)

## BUILD YOUR FUTURE Dayton & Miami Valley Construction Career Expo

The Dayton and Miami Valley Construction Career Expo was held Tuesday, October 6th at the Montgomery County Fairgrounds, Coliseum Building. Sponsored by the Miami Valley Alliance of Construction Professionals (MVACP), the event provided a unique and interactive learning experience about the Miami Valley Construction Trades. The construction industry is one of the nation's largest employers, with over 6 million workers.

This year's program was once again divided into two forums for students and the general public. But this year,



*JATC Training Director Dick Brooks mans the IBEW Local 82 exhibit.*

almost 600 high school students and their instructors participated, twice the number as last year! Students were bussed to the Expo from 10am to 2pm. Participating schools included: Belmont High, Celina Tri Star, Centerville, Dayton Job Corps, Dayton Ponitz CTC, Eaton, Fairmont, Laurel Oaks in Wilmington, Miami Valley CTC, Piqua, Springfield Clark CTC, Stebbins, Trotwood-

Madison, Wapakoneta, and Versailles. Breakout sessions were added this year so students could learn about how to become an apprentice, the types of programs available, and wage scales.

Exhibitors included various union construction trades: Bricklayers, Roofers, Carpenters, Cement Masons, Plasterers, Electricians, Ironworkers, Millwrights, Plumbers & Pipefitters, Sheet Metal Workers, Operating Engineers, Laborers, Painters, Teamsters, and Sprinklerfitters. Students participated in hands-on projects, such as:

*Cont'd pg.3*

# The cost of Safety

Many companies understand that good electrical safety designs and practices can reduce their costs and liabilities. They also realize that implementing electrical safety measures is the right thing to do for employees. Statistics show that electrical accidents in the workplace cost more per occurrence than other types of workplace incidents, as workers often sustain severe burns that require extensive medical treatment, long hospital stays in burn units, and multiple surgeries.

Other injuries may be related to ergonomics, such as cuts, lacerations, bruises, soreness, and pain. These injuries are often associated with the frequent and prolonged use of hand tools. If symptoms are ignored, continual improper use of a hand tool can lead to chronic musculo-skeletal injuries of various kinds, including tendonitis, bursitis and carpal tunnel syndrome. Frequent overhead work can cause tendonitis in your shoulders. Between 1999 and 2006, more than 30% of all workers' compensation claims – totaling \$11 million – made by electrical workers, were related to ergonomics. 15% of disabling injuries are due to slips, trips or falls. Disabling injuries are strongly correlated with job

experience. New employees, regardless of age, experience a high and disproportionate number of injuries.

The costs of a lost-time injury can be divided into two distinct categories: direct costs, which comprise medical bills and workman's comp; and indirect costs, which are defined by loss of productivity and quality. This includes lost time of supervisors dealing with the incident, training costs incurred for replacements and handling work assignments to assist an injured employee. While the former is more visible and immediate, the latter is harder to recognize and much more expensive. Indirect costs are typically five times higher than direct costs, so if you pay out \$2,000 to treat an injury, you'll likely lose another \$10,000 in productivity. There is also personal impact on the family, including loss of income and companionship.

In recent years, industry consensus standards have produced new requirements for electrical safety. NFPA 70E Standard for Electrical Safety in the Workplace has greatly increased its requirements in recent revisions. Just as you can prevent shock and electrocution by identifying the source of power and shutting it off before you start working, you can keep your joints and muscles in tact by learning what jobs will put you at risk and finding safer ways to do the work.

Wearing FR rated clothing will drastically reduce the severity of burns and using proper PPE equipment, including rubber gloves, *all the time*, will also cut down on electrical injuries. Remember....Safety First!

# Safety Expo highlights



Contractor's Choice reps Mike Keegan, left, and Vicki Everett.



DP&L demo "Think Hot, Stay Safe."



IBEW members enjoy the Expo.



Argus-Hazco's Kathy Roe working the Expo.

## Hugh Hoagland speaks at Safety Expo

Hugh Hoagland is an expert in ArcFlash. His company, e-Hazard, specializes in electrical safety training, engineering and electrical program implementation and design. Mr. Hoagland was a guest speaker at the Safety Expo and spoke about the "Seven Habits of Highly Safe Electrical Work."

1. Always verify the absence of voltage.
2. Always wear rubber insulating gloves.
3. Always wear arc-rated daily wear and a face shield.
4. Always use a GFC cord and plug to connect tools and extension cords.
5. Always use personal grounds when working on high voltage.
6. Identify higher hazards and adopt proper PPE or



Hugh Hoagland

engineering controls to mitigate those hazards. 7. Measure, audit and continually improve electrical safety processes.

In 1994, there were 650 deaths due to arc-flash and that number dropped to 371 in 2008. What has changed to account for this decline? The development and use of fire

resistant (FR) clothing and the use of rubber gloves. When a fire occurs, the clothing of the worker is extremely flammable and increases the

severity of burn injuries and leads to more deaths. In 1997, 75% of all utility field employees began wearing FR shirts. By 2000, 80% were also wearing FR pants. The importance of wearing FR clothing cannot be overlooked, and is becoming the norm for electrical workers.



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Your comments, suggestions and questions are welcome! Contact the Western Ohio Chapter - NECA.

e-mail: wocneca@choiceonemail.com  
 website: www.wocneca.org  
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## Career Expo *cont'd*

- Brick laying
- Welding
- Torch cutting
  - Carpentry
- Operation of a backhoe with a computerized simulator.

The International Brotherhood of Electrical Workers (IBEW) Local 82 was represented by Micah Green, Examining Board and Organizing Committee; Mike Evans, Membership Development Coordinator; and JATC Training Director Dick Brooks. IBEW teamed up with the Better Choice Program, represented by Coordinator Eddie Jaudon and Rachaun Martin. IBEW showcased both Commercial and Residential wiring samples while students had an opportunity to bend conduit to use as a putter to try their luck on a putting green. Those with a “hole-in-one” were given a free IBEW T-shirt.

Students received sack lunches and an opportunity to win door prizes including gift

certificates, IPODs and a Grand Prize of an XBOX 360. Two \$500 scholarships were donated. Versailles High received a scholarship from the Laborer’s Apprentice Committee and Tecumseh High won the scholarship provided by the Apprenticeship Coordinators Group.

The Expo was open to the general public from 2-6 pm and approximately 100 visitors attended.

A special thanks to the sponsors who make this event possible: IBEW Local 82, Carpenters & Millwrights Training & Educational Fund; Ohio Operating Engineers Apprenticeship & Training Fund; ICAP/Ironworkers Local 290 Apprenticeship; United Brotherhood of Carpenters Local 104; Laborers’ District Council of Ohio; Plumbers & Pipefitters Local Union 162; Sheet Metal Workers Local 24; Sheet Metal & Roofing Contractors Assn. of MV; Chapel Electric, LLC; and AGC West Central OH Division.



*Versailles High School receives a \$500 scholarship donated by the Laborer’s Apprenticeship & Training Fund.*



*IBEW hole-in-one.*



*AGC Executive Director Randy Fox (left) and NECA Executive Director Dan Neal (right) present grand prize XBOX 360 to Bryce Paige of Centerville High.*



*Pipe welding.*



*Operating Engineer’s simulator.*

## Training *updates*

### Code of Excellence

The Code of Excellence was established to improve job performance in the construction industry.

To date, over 250 members have been through the Code of Excellence training and more are scheduled. All the employees of ESI Electrical Contractors and Automated Controls have attended the training and are fully compliant. Over the next year, every IBEW member and NECA contractor will be trained. In addition, members from other Locals have attended the Code of Excellence classes, including Lima (Local 32), Cincinnati (Local 212), Muncie (Local 855), Knoxville (Local 760), San

Diego (Local 569), Newport News (Local 1340), Muskegon (Local 275) and Nashville (Local 429).

The key to making this program successful is its explicitness and its standards for accountability. Simply put,



*IBEW Local 82 Business Manager Nick Comstock teaches a Code of Excellence class.*

the Code of Excellence addresses issues on IBEW job

sites related to poor productivity and attitude. It enforces the high standards of conduct that are the norm for most IBEW workers and makes them universal. Also, by focusing on the responsibilities of signatory Employers to provide proper management, planning and supervision, the Code will enable and encourage IBEW employers to bid aggressively and seek out new work opportunities.

### JATC training

In the last year, the Dayton Joint Apprenticeship Training Committee (JATC) staff members have been extremely

busy. In addition to their usual Apprenticeship classes, they have provided training for



*Code of Excellence training.*

more than 160 Journeymen and over 345 Construction Wiremen/Construction Electricians. A big thanks to Training Director Dick Brooks and the entire JATC staff for putting in additional hours to keep IBEW Local 82 members well educated.



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## In This Issue

- Safety Expo
- Construction Careers
- Job Safety
- Training Update



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## LMCC / IBEW / NECA Golf Outing

Once again the LMCC / NECA / IBEW Annual Golf Outing at Walnut Grove CC was a huge success....so successful that there were two shotgun starts, at 7:00am and noon! The morning group weathered a little rain, but in the afternoon, the sun saved the day. Great food and golf!



*The winning team (from left): Chapel Electric CFO Roger Vanderhorst, Grandview Hospital's Jim Porter, and Heapy Engineering President Rick Weber. (Not present, CRT CEO Dennis F. Quebe).*



### NECA Members

Aztec Electric, Inc.  
Chapel Electric Company  
Chapel-Romanoff Technologies  
ESI Electrical Contractors  
High Voltage Maintenance  
Kastle Electric Company  
Kastle Technologies  
Maxwell Lightning Protection  
Mutual Electric Company  
Reliable Electrical Mechanical  
Studebaker Electric  
Union Lightning Protection  
Wagner Industrial Electric  
York Electric, Inc.

### Affiliate Members NECA

Battelle & Battelle  
Becker Electrical Supply  
Copp Systems Integrator  
FD Lawrence Electric Company  
Graybar Electric Co., Inc.  
Heapy Engineering LLC  
Riffle & Associates  
Square D / Schneider Electric  
Uptime Solutions

### Contributing Contractors

Automated Controls  
Bright Street Electric  
Broadway Electric Service Corp.  
Cougar Electric  
DeBra-Kuempel  
Freedom Electrical Contractors  
Glenwood Electric  
Justice Electric  
Lake Erie Electric  
M.B.A. Electric, Inc.  
Power Services  
Precision Electrical Contrs.  
Productive Electric, Inc.  
Shambaugh & Son  
Spurling Electric Co., Inc.  
The W.G. Fairfield Co.  
Triad Electrical  
Vtserie  
Westfield Electric  
Whalen Electric  
Wilson Sign Company

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