

UNITED ASSOCIATION Instructor Training Program

**ANN ARBOR, MICHIGAN
AUGUST 10-16, 2013**

**Greater Michigan
Mechanical Industry
Alliance Report
Special Summer Edition 2013**



William Hite
UA General President



**Celebrating 60 years of
dedication to training
1953 - 2013**



Chris Haslinger
UA Director of Training

Registration



Catching Up With Old Friends



5 K Run and Pub Crawl





Trailers



UA student instructors participating in this course learned how to present classes utilizing the equipment and trainers contained within the UA training trailers as they apply to the mechanical and plumbing systems installed and serviced by UA members.

Instructors learned the best practices for teaching with the training trailers. Trailer and equipment safety, proper trailer setup and repacking, operation of the onboard generator, audio video systems, fuel, electrical, and water hookup were covered.

Industry Day



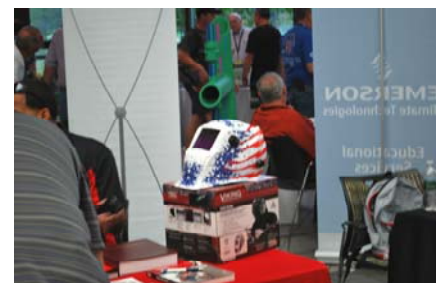
Industry Day began with United Association President, William P. Hite welcoming all to the historic 60th Anniversary of the Instructor Training Program.



Along with President Hite and UA Director of Training, Chris Haslinger, many dignitaries were in attendance including US Congressman, John Dingell, MCAA President Michael R. Cables and Rose Bellanca, President, Washtenaw Community College. All guests were welcomed to tour the Training Campus to see first hand the quality of training available to instructors of the United Association.



Around Campus



Classes

Problems Solving and Innovations in Trade Teaching



Problem Solving and Innovations in Trade Teaching UA instructors that took this course focused on solving training problems and implementing innovative solutions in the local school. Topics include: problem solving techniques to analyze teaching challenges, recognizing student learning disabilities, the nature of performance evaluation, and implementing innovative solutions in the local school. Instructors

came prepared to share their innovations and challenges from their local school.



Heavy Wall Hot Welding and Heat Treat Technician Training



The 20-hour Train the Trainer course is designed to provide a hands-on practical understanding of the heat treating with focus on the latest induction heating system technologies, along with the proper welding techniques used on multiple joint designs. The course covered the operation for heat treatment equipment, setting up the job for performing pre-heat and post weld heat treatment, recording and reporting heat treat data and the requirements for job safety. In addition, instruction was provided on the welding codes and procedures that govern preheat and post weld heat treatment. The course was revised with emphasis placed on heavy wall machining and welding.

Pipefitting Layout



The class showed UA instructors a unique way to teach how to layout pipe and fittings in the field without math or manuals. The class also covered the mitering of pipe and fittings and the fabrication of specialty tools for the trade.

Medical Gas Instructor

The Medical Gas Instructor train-to-trainer course covered the NFPA 2012 codes and ASSE Series 6000 standards that govern correct medical gas and medical-surgical vacuum piping system installation and testing, requirements for installer qualification, and requirements for brazer qualification in accordance with ASME Section IX. A written exam was administered at the end of the course. UA instructors who successfully passed the course and exam received the certification of a "Medical Gas Instructor of the United Association" issued by NITC.



Classes

Advanced Centrifugal Chiller



The course emphasized centrifugal operating theory as it pertains to low-pressure, multi-state centrifugal chillers, compressor overhaul procedures, precision



measuring techniques, compressor component identification, and compressor teardown and reassembly. The course also covered predictive chiller analysis procedures, purge theory and operation, and best servicing practices. During the hours of intensive hands on training, instructors in this course will completely disassemble and re-assemble a low pressure Trane multi-stage centrifugal compressor.

Backflow Repair and Maintenance Course



The Backflow Repair and Maintenance Course is twenty hours of intense classroom and practical instruction. Repairing, troubleshooting (testing) and safety are the main themes of the course. UA instructors were provided with practical methods to deal with the repair and maintenance of large

diameter assemblies from various manufacturers. In addition, the students were required to test the following backflow assemblies during the class: Reduced Pressure Zone, Double Check, Pressure Vacuum Breaker, and Spill Resistant Pressure Vacuum Breaker. The course is a train-the-trainer course.



ARC Flash Safety—NFPA 701



The course covered OSHA and NFPA safety requirements and procedures. Topics included hazardous energy isolation, electrical safety and arc flash safety. Instructors received classroom materials for use in their home



5 K Run and Pub Crawl



VIP—Veteran's In Piping



The United Association of the Plumbers and Pipefitters Union (UA) want to give back to those who have given so much. Returning veterans have at times had difficulty finding good jobs. Therefore, the UA has created a program called Veterans In Piping (UA VIP). The program helps returning veterans transition to civilian life, receive training, and find careers with contractors throughout the country. These contractors are “arming” themselves for the construction boom of the near future.

The UA VIP offers many programs, including a 18-week accelerated welding program that prepares graduates for a lifelong career in the construction industry. New welders that have graduated from the UA VIP program are assured job security with good wages and excellent benefits throughout their career. The Bureau of Labor Statistics estimates that the construction field will need to attract 240,000 workers each year to replace those retiring from the workforce. The UA is an organization that has always placed family, community and country first. Membership in the Union offers a history of brotherhood that began over 120 years ago.

Lunchtime At ITP

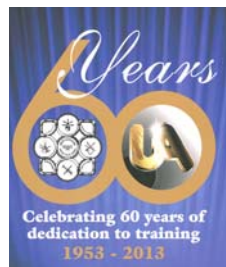


Apprenticeship Contest



The UA held its 2013 International Apprentice Contest, which celebrated its seventh year, since its reinstatement in 2007. For the first time ever, they had a Plumbing apprentice contestant from Australia participating in the contest. Everyone was encouraged to take some time and watch these talented apprentices at work.

As stated by UA General President Hite, "It is our responsibility to mentor the next generation of UA piping professionals, so they are prepared to take over the reins in the future."



Registration



Hard At Work



The United Association Instructor Training Program depends on a number of committed individuals who put tremendous time and effort into making this program a success.

Pictured are just some of the individuals that help make this program a achievement.

Greater Michigan Mechanical Industry Alliance Report



Sandra L. President
Greater Michigan PMC
58 Parkland Plaza, Suite 600
Ann Arbor, MI 48103
734-665-4681
www.greatermichiganpmc.org



Kevin, Groeb, Business Manager
UA Local 190—Plumbers / Pipefitters
Service Technicians /
Gas Distribution
7800 Jackson Road
Ann Arbor, MI 48103
734-424-0962
www.ua190.org

Special Summer Edition 2013

Have A Safe Trip Home

Congratulations to UA General President William Hite and UA Director of Training Chris Haslinger, on the 60th Anniversary of this incredible training program. This has been a terrific week. Not only the ITP, but also the Apprenticeship Contest.

Also, great job to the remarkable UA Training Staff. We congratulate all of them on the exceptional job they do for this program, as well as all year long assisting Local Training Programs.

The community is tremendously happy to have you here. UA Local 190 and the Greater Michigan PMC know that it is an honor to be a small part of this week.

The excellent curriculum of the UA Instructor Training Program has given all in attendance new ideas and programs to take back to their Local to help turn out the best apprentices and journeymen in the construction Industry.

We look forward to the UA returning to Michigan, and along with the Michigan State Pipe Trades and representatives of the Michigan Mechanical Contractors Association we sincerely hope your stay has been a happy one.

Have a safe trip home and we'll see you again next year,

Kevin Groeb, Business Manager
UA Local 190

Sandra Miller, President
Greater Michigan PMC

Registered UA Instructors	1,658
Instructors Teaching Classes	178
1st Time Attending Classes	386
Graduating	135
Receiving WCC Degrees	25

Go to www.greatermichiganpmc.org
UA—UA Training and view sixteen years
of UA Training Program Newsletters