

# UA INSTRUCTOR TRAINING PROGRAM

Ann Arbor, Michigan

August, 9-15, 2014



William Hite  
UA General President



Chris Haslinger  
UA Director of Training

**Greater Michigan  
Mechanical Industry  
Alliance Report  
Special Summer Edition 2014**



CELEBRATING OUR 25TH PROGRAM AT  
WASHTENAW COMMUNITY COLLEGE

# **UA Signs Historic 15-Year Contract Extension For Renowned Instructor Training Program [ITP] During 25-Year Anniversary of Educational Partnership**



**UA General President William P. Hite , UA Director of Training Christopher Haslinger,  
WCC President Dr. Rose Bellanca, Congressman John D. Dingell**

A ceremony to celebrate a 15 year contract extension between Washtenaw Community College and the United Association of Plumbers, Pipefitters, Sprinkler Fitters, Welders and HVACR Technicians [UA] was held during the UA Instructor Training program. The UA has held its Instructor Training program on the WCC campus for the past 25 years. The ceremony commemorated the extension of its contract with WCC for an additional 15 years as well as the 25<sup>th</sup> anniversary of the educational partnership.

The partnership brings UA instructors from across the world to train their peers in the most contemporary skill sets for the next generation of skilled trades workers. In turn, those participating in the program return to their local communities to share the latest knowledge, technology and techniques with their colleagues.

The ceremony also highlighted the commissioning of Washtenaw Community College's first combined cooling, heat and power system (CCHP) system, which will save an estimated \$60,000 in utility costs per year. The CCHP system was designed and built by GEM Energy, of Walbridge, Ohio. GEM Energy also is donating a micro-turbine to train future energy professionals in the college's United Association (UA) Great Lakes Regional Training Center.

The UA has a permanent presence on the WCC campus with the opening of the Great Lakes Regional Training Center in 2003. Now we can look forward to the UA being here until at least, 2029!



**Earl Setches, Plumbing & Pipe  
Trades Employees Union of  
Australia, Larry Cann, Special  
Assistant to the General President  
in Canada, UA International  
Representative Gary Young,  
UA General President  
William P. Hite**



# Signing The 15 Year Agreement Between The UA/WCC

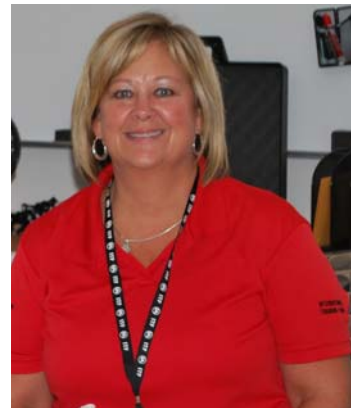


The signing of the official documents occurred during the Press Conference held at the Morris Lawrence Building on the WCC Campus.



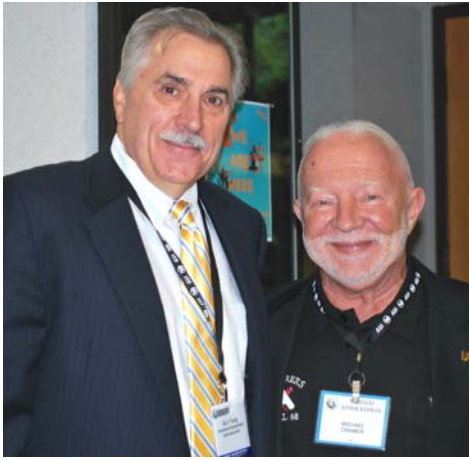


# Registration





## Candid's During Owner's Day





# Renewing Old Friendships and Making New Ones





## Semper Fi Fund / UA 5K Run



The UA's Third Annual 5k Run and Pub Crawl was held during the Block Party. The money raised will benefit the **Injured Marine Semper Fi Fund**.

When a member of the Armed Forces is injured, their entire family shares the pain and burden of recovery. They take leave from their jobs and incur additional costs for travel, lodging, and other necessities. Few families are prepared for the expenses they face. They need help, and they need it quickly. **The Injured Marine Semper Fi Fund was created to meet this need.**



The Fund works closely with the Marine Corps, the Navy, and hospitals nationwide to identify and assess the needs of specific families. To date, the Fund has provided over \$74 million of assistance in more than 56,000 grants. The Fund provides direct financial aid to Service members and their families, and grants assistance to Service members who need adaptive housing and transportation, specialized equipment, and career transition training.





**Off and Running**

**It's Okay to Walk**

**Winner for the third  
year running  
John Munro  
(With friend)**

**John's father Bud is a  
plumber with Hutzel  
Plumbing & Heating**

**Much too relaxed look-  
ing for that to be the  
finish!**

**UA Photo Bomb**





# The Big Flush

## First Annual Toilet Race

Gentlemen — Flush your Toilet ...  
And the winner was .....  
Vancouver BC Canada  
UA Local 170

UA 170 Pictured right—Narrowly flushed out  
the competition!



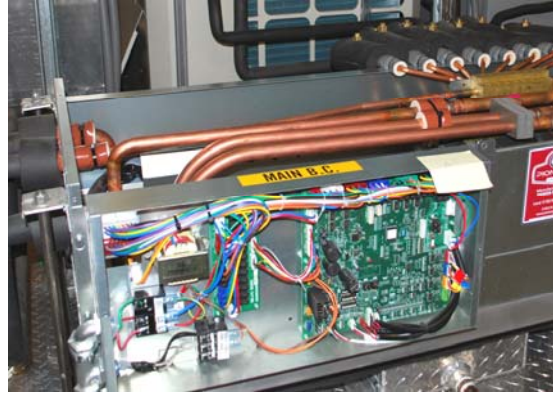


## Enjoying The Block Party





## Variable Refrigerant Flow-The CITY MULTI Service Course



The CITY MULTI Service Course provided participants an in-depth understanding of the technologies used in the CITY MULTI system.



Additionally, an in-depth functional study of the system was conducted as well as thorough discussion over the theories associated with properly applying, installing, commissioning and troubleshooting CITY MULTI systems. Concepts and theory were covered in the classroom and reinforced through practical hands-on exercises. Static displays and fully functional CITY MULTI systems were installed for the system analysis and practical troubleshooting exercises. Laptops were required as participants installed and used Mitsubishi-provided software in the course.

## Pipe Fitting Layout Course



This 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, with a portion of the course involving hands-on training.

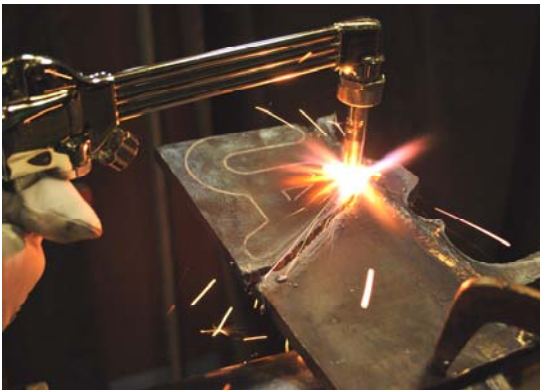


## Methods of Teaching Oxy-Acetylene Cutting and Welding



The course illustrated the aspects of Oxy-Fuel Torch Operation and Safety. Class time focused on selection of proper equipment including regulators, oxygen and fuel hoses, flashback arrestors, cutting and welding torches and tips.

The class also examined the molecular structure of fuel gases used in the piping industry and then had Lab time to compare and evaluate with hands-on cutting. Lab time also included demonstration and hands-on use of manual and motorized saddle machines including Mathey Dearman's new CNC Saddle Machine used for pipe beveling and cutting.



## Backflow Repair and Maintenance



A twenty hour course of intense classroom and practical instruction. Repairing, troubleshooting (testing), and safety were the main themes of this course. UA instructors were provided with practical methods dealing with the repair and maintenance of large diameter assemblies from various manufacturers.

In addition, 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.





# Plumbing Service

This program assisted UA instructors in their development and presentation of classroom instruction of the UA Plumbing Service Training Curriculum. The course included methods of instruction pertaining to the UA Plumbing Service, Maintenance and Repair Manual. It also included methods of instruction of hands-on skills training utilizing Plumbing Service Mobile Classroom Training Modules and Service Lab examples and the use of appropriate tools and equipment. The course emphasized the communication skills needed in the plumbing service industry. The course also included material referencing plumbing service troubleshooting, repair, installation, sales, and vehicles. All courses are train-the-trainer and center around methods of teaching. A large portion of the course involved hands-on training.



## The Art of Tube Bending

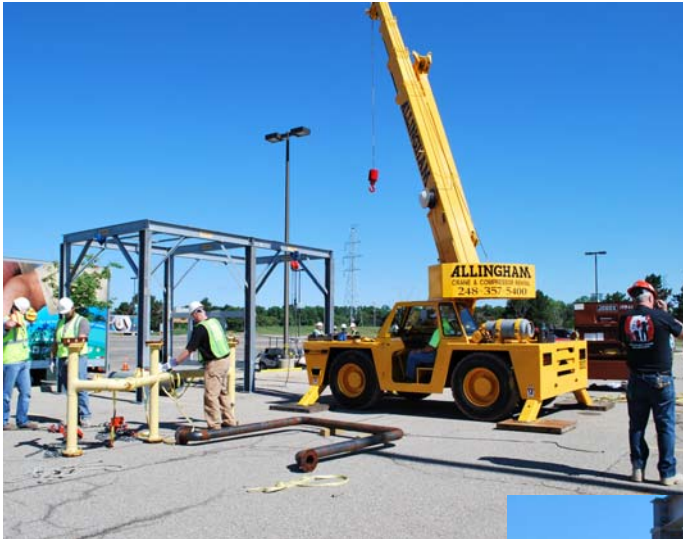
This course covered methods in teaching parts of a bender, the bending process, and setbacks as they relate to any bend and any layout of bends.

Discussions and explanations showed the layout, common mistakes and how to correct errors of single bend, the use of props, and the lineup and leveling of tubing in the bending process. There was explanations on isometric drawings, wire templates, numbering of the bending order, and safety concerns at the bending table.





# Industrial Rigging Technologies



This course ensured that individuals are trained in the planning and precautions required when lifting materials and equipment; proper and safe rigging of loads; proper applications of slings and rigging hardware. Advantages and disadvantages of each

piece of rigging gear; uses of rigging hardware; determination/ calculations of rigging loads and equipment; and proper maintenance of rigging equipment and rigging personal protective equipment.



## Applied Metallurgy

The course introduced and explained properties and characteristics of metals commonly used in the pipe trades.

UA instructors learned the nature of ferrous and non-ferrous metals, both raw and manufactured forms.

There was also an emphasis on the physical and mechanical properties of common metals, and the processes used to create desired changes.







# United Association International Apprenticeship Contest





## UA 2014 International Apprenticeship Contest

During the Training Program the UA 2014 International Apprenticeship Contest was held. It celebrated it's eighth year since its reinstatement in 2007.

All Instructors in attendance were encouraged to spend time observing the next generation of piping professionals as they went through their projects.

All apprentices competing did their Local Unions proud.





# Greater Michigan Mechanical Industry Alliance Report



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## Special Summer Edition 2014

## A Tremendous 25 Year Partnership

You have just completed the 25th Instructor Training Program held here at Washtenaw Community College. As President Hite stated in his letter *"The Program has grown by leaps and bounds since moving from Purdue University so many years ago. Because of the Training Department's tireless effort to provide the very best training in the world, UA members have had access to cutting-edge technology, latest techniques, the newest trades and more."*

Now, with the historic new agreement, the UA will be returning for the next 15 years.

Congratulations to UA General President William Hite and UA Director of Training Chris Haslinger, on the 61st Anniversary of this incredible training program. 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 very small part of this week.

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	1,749
Instructors Teaching Classes	200
1st Time Attending Classes	483
Graduating ITP	90
Receiving WCC Degrees	6
Coordinators Certificates	17

Go to [www.gretermichiganpmc.org](http://www.gretermichiganpmc.org)  
UA—UA Training and view eighteen years  
of UA Training Program Newsletters