

# Greater Michigan Mechanical Industry Alliance Newsletter

INSTRUCTOR TRAINING  
ANN ARBOR, MICHIGAN • AUGUST 14-19, 2011

## UA Instructor Training Program

NO ONE DOES SAFETY BETTER THAN THE UNITED ASSOCIATION



**William Hite**  
UA General President



**Mike Arndt**  
UA Director of Training

Special UA Issue Summer 2011



<b>Registered UA Instructors</b>	<b>1,378</b>
<b>Instructors Teaching Classes</b>	<b>238</b>
<b>1st Time Attending Classes</b>	<b>292</b>
<b>Graduating</b>	<b>200</b>
<b>Receiving WCC Degrees</b>	<b>23</b>

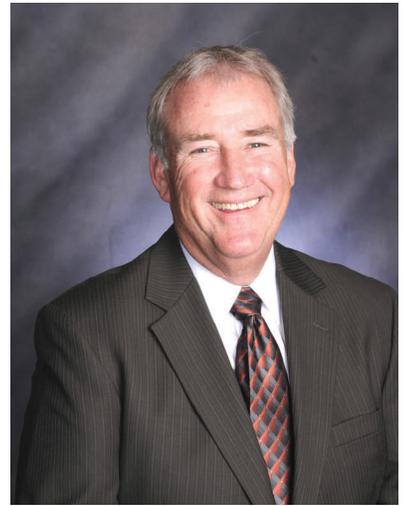
**UA190**

## Congratulations

Washtenaw County and Washtenaw Community College saw the arrival of over 2,200 UA officials, members and instructors, as the 58th UA Instructor Training Program began.

This is an extremely busy time. This year even more so as a significant number of those in attendance had just enough time to get home and repack for Ann Arbor, after servicing their Union by being delegate's at the 38<sup>th</sup> General Convention held the week before.

At the convention, William P. Hite, pictured right, was re-elected as General President of the UA, for a five year term. Congratulations to General President Hite and his team as he leads the UA through the upcoming years.



As General President stated "Our apprenticeship and skills training is the best anywhere... and that's what others say about us. I am always proud when I have the opportunity to speak about what we do in our Local Union Training Centers throughout the United States and Canada. Time and time again when people from politicians, our industry leaders and construction users visit a UA Training Center they invariably comment on how impressed they are with the high quality and extent of leading edge technology training provided to our members.

Training is, and will continue to be, the cornerstone of the UA as we move forward. As a Union with the highest skilled workforce, our training has always been extremely important to us. Our Recruitment, our Apprenticeship Program and our comprehensive Journeyman training is our greatest asset. Now, with the exodus of the UA Baby Boomers from the workforce as they head into retirement in unprecedented numbers, our Training Departments in our Local Unions will become even more important. The challenge we will all face includes the development of a replacement high-skilled workforce with skills that are not easily replaced. This event coupled with projected industry growth and future recruitment challenges will test our capabilities as never before.

I have no doubt that the UA Instructor Training Program – now in its 58<sup>th</sup> year, and our Local Union Training Departments are up to the challenge. I know we have a great history of having legions of dedicated instructors who take great pride in what they do in training the future generations of our members."

## Instructor Orientation



With the Convention, orientation was held on Sunday morning. UA Director of Training Mike Arndt welcomed the Instructors and reviewed the weeks activities.

It gave everyone the opportunity to thank retiring WCC President Larry Whitworth, who has been a part of the program since it moved here.



Director Arndt also introduced the new President of the College Miss Rose Bellanca.



# Registration



# *Renewing Old Friendship and Making New*



# *New Welding Classes*

## **Tip Tig Wire Fed Welding Process**

This 20 hour course was specifically designed for UA Welding Instructors and focused on the evolution of Tip Tig welding in addition to providing detailed understanding on the GTQAW Hot Wire (HW) Feed Tip Tig welding process. The Tip Tig manual process allows for substantial increase in filler metal deposition while maintaining superior GTAW weld quality. The limitation of traditional GTAW has always been low productivity and Tip Tig has solved this limitation by joining HW GTAW with a linear oscillation of continuously fed wire. This course covered the safety, operation, technology and equipment set-up associated with this type of advanced welding systems. In addition, the course covered process variables, system control functions and weld parameter selection for a variety of materials.



## **Methods in Teaching Heavy Wall Pipe Welding**

This 20 hour course was specifically designed for UA Welding Instructors that will cover the challenges of welding heavy wall piping. The course focuses on the procedures and techniques using the gas tungsten arc welding (GTAW) and shielded metal arc welding (SMAW) processes. The piping industry is turning to the use of these materials more and more. This course provided Local Unions a means of preparing their members in developing the skills necessary to address industry's welding needs.



# Classrooms

## Adult Basic Life Support/First Aid

This course trained and /or certified the student instructor in conducting adult basic life support. This includes cardiopulmonary resuscitation, automated external defibrillation and related subjects such as initial care for angina, stroke and foreign body airway obstruction. The basic first aid portion includes procedures for emergency moving of the injured, wounds, bleeding, traumatic shock, fractures, burns and special emphasis on accidental electrical contact, eye injuries, allergic reactions, seizures, drug overdoses, temperature-related problems and many other job related emergencies. Upon successful completion of this course, the student instructor is able to teach and certify other UA members in this course. This program has been officially accepted by the U.S. Department of Labor—Occupational Health and Safety Administration (OSHA) as well as other federal and state agencies. This is the only first aid course developed specifically for the building trades industry.



## UA/MCAA Foreman Certification

This course is designed to develop current and potential foremen within the UA and MCAA into more effective leaders. It covers topics that are critical to the workplace such as: leadership functions, commitment, people skills, communications, teamwork and organization. Those taking the course were strongly urged to implement this Foremen Certification Program at the local union level.



## Designing Courses

In this course, the focus shifts from teaching individual classes to designing a whole course. They started with writing goals, and then moved to effective sequencing of course materials. They learned how to design an overall assessment plan for a course, including how to evaluate projects and other forms of assessment for evidence of learning.



## ***Methods in Teaching Pipe Trades Applied Drawing***

The course was designed to help UA Instructors develop and enhance their teaching skills in drawing interpretation. The class mainly focused on understanding the basics of plan and elevation drawings, as well as developing grading criteria and seceding time length for each assignment.



## ***Applied Metallurgy***



This course introduced and explained properties and characteristics of metals commonly used in the pipe trades. Students learned the nature of ferrous and non-ferrous metals, both in their raw and their manufactured forms. There was an emphasis on the physical and mechanical properties of common metals, and the processes used to create desired changes.



## ***Customer Service Skills***



The purpose of the course provided UA instructors with the skills necessary to teach apprentices how to deal with internal and external customers. At the end of the course, instructors were able to create lessons on improving interdependence with customers, gaining new customers, and retaining existing customers. The class covered how to use classroom materials such as the MSCA Customer Service Student Workbook and Leaders Guide, the Customer Service for the Commercial Service Technician Video Series, and the Customer Service for the Residential Service Technician Video Series. Additionally, UA instructors learned how to facilitate a customer service lab. During the course, instructors were given opportunities to practice skills from the curriculum. At the conclusion of the class, the UA Instructor was able to successfully implement a customer service program in their own local.

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## ***Authorized Testing Representative (ATR)***

The course was designed to provide participants with an understanding of the fundamentals of the UA Welder Certification Program. Participants were able to perform the duties and responsibilities of an Authorized Testing Representative (ATR) as defined in the program, from managing administrative functions to performing visual inspections of welded coupons to determine their acceptability in accordance with the UA Quality System and adopted codes.

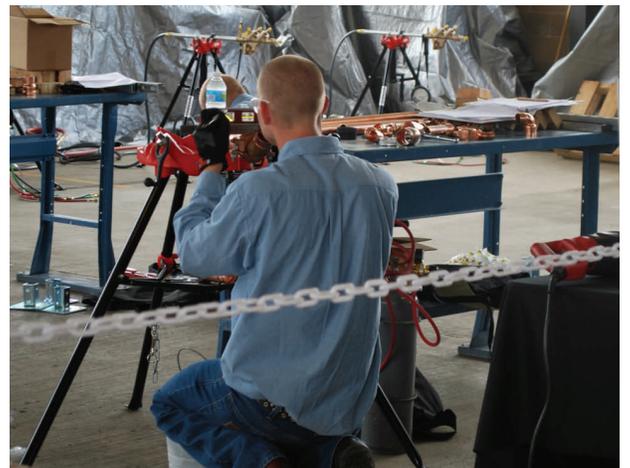


# *Around The Campus*

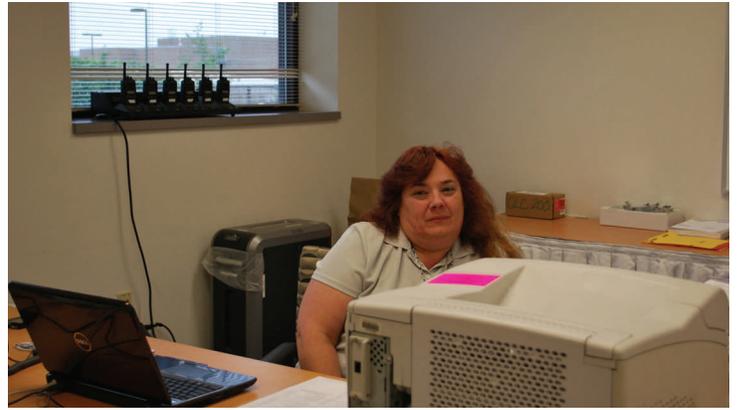


## *Lunchtime*

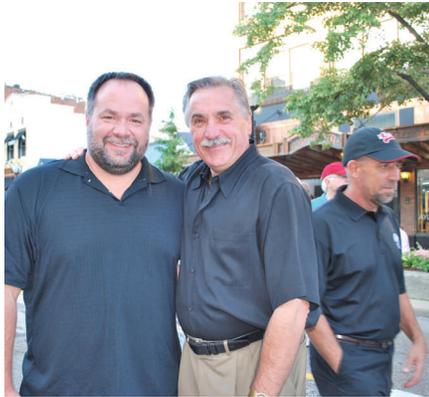
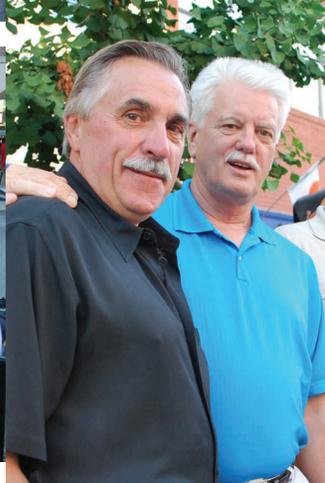




# Dedicated UA Staff At Work



# Block Party

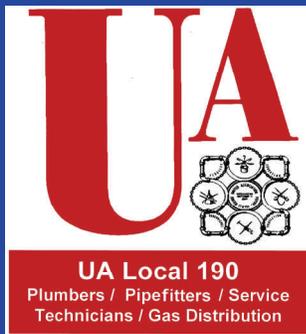


# Greater Michigan Mechanical Industry Alliance Report



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Special Summer Edition 2011

## *Have A Safe Trip Home*

Congratulations to UA General President William Hite on his recent re-election, and to both General President Hite and UA Director of Training Mike Arndt on this incredible program. Also, great job to the remarkable UA Training Staff. We congratulate all of them on the exceptional job they do on this program, as well as all year long assisting Local Training Programs.

This has been a terrific week. Not only the ITP, but also the Apprenticeship Contest.

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 Union 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*

First Class Mail

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