



## 50TH ANNIVERSARY OF THE UA INSTRUCTOR TRAINING PROGRAM

### 2003 Instructor Program The Largest Ever

The 50th Anniversary of the UA Instructor Training Program began in force when more than 2,000 UA Plumber and Pipefitter Local Union members landed on the Campus of Washtenaw Community College. The group has been coming to the Ann Arbor area for the past 14 years.

The program also boosts the local economy, bringing an estimated \$3 million in additional revenue to restaurants, hotels, retailers and other local businesses, according to the Ann Arbor Area Convention and Visitors Bureau.



The United Association of Journeymen and Apprentices of the Plumbing and Pipe Fitting Industry returned to the Washtenaw Community College Campus in Ann Arbor for the 50th United Association Instructor Training Program - "*Doing It Right*".

As outlined in the letter by UA General President Martin J. Maddaloni "United Association members must be ready to meet the challenges of the workplace. The workplace is changing rapidly and opportunities for UA training craftsmen and craftswomen are everywhere. In order to meet the challenges our local training programs must be able to adapt and reflect

the demands of the workplace."

The UA Program, under the direction of President Maddaloni and George Bliss, Director of Training for the UA, is the most prestigious in the construction industry. It was developed for the instructors of the journeymen and apprentices to help improve their teaching techniques, broaden their manipulative skills, and expand the store of scientific and technical knowledge relating to the trade. 2003 is a record breaking year with: **1,888 in class, 250 instructors and 245 graduating. Participants come from all over the United States, Canada, and Panama.**



### *The Program*

The United Association has a continuing concern for the high quality job performance of its members. They believe that you, the instructors who teach the apprentices and journeymen of

the piping trades, are the key persons in maintaining the high level of performance for which we have been long recognized. We are determined to retain our enviable position in this regard.

***Pictured below - UA 190 Instructors***

Quality craftsmanship is an outcome of good teaching in our training programs. Therefore, the United Association Instructor Training Program is designed for you. Our aim is to help you improve your teaching techniques, broaden your manipulative skills, and expand your store of scientific and technical knowledge relating to your trade. We encourage you to make the most of the unique opportunity provided by the United Association.



The United Association Instructor Training Program for instructors of journeymen and apprentices is designed to:

- Increase UA Instructors' proficiency in the techniques of instructing and in the use of instructional materials, particularly those prepared and/or recommended by the United Association.
- Acquaint instructors with the philosophy and principles of education, especially trade, industrial, and technical education.
- Provide learning experiences in the principles and the fundamentals of the applied knowledge subjects such as science, mathematics, drawing and electricity."
- Broaden and deepen the understanding of the instructors in the technical aspects of the crafts and bring information to the instructors about the latest developments in this area, as well as in the skills phase of the work of the UA journeymen.

***Registration - Let the Learning Begin***

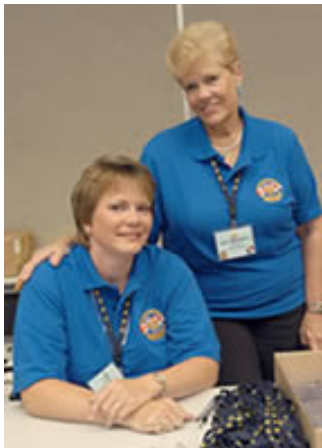




Without a doubt, the day of greatest activity for the UA Program is Saturday - Registration Day. **The UA Training Staff registered just under 2,000 Instructors.**



The UA's staff and volunteers gave directions, answered questions, changed class schedules when necessary, and all around assisted those in attendance as they prepared for their week of learning.



*Bookstore*





The bookstore is always one of the busiest places during registration, in particular. Instructors have the opportunity to get the books they need for class, and review books that they might want to utilize back at their home Local Union.



***Pins - Part of the Fun !***



*Left - I've been collecting pins for twelve years while I have been volunteering at UA week, thought I'd show them off this year!*

*Below - Michigan pins, too many to count*



*Right - I've been collecting for a lot longer, keep up the good work*

*Left - "I'm just starting, but give me a couple years."*



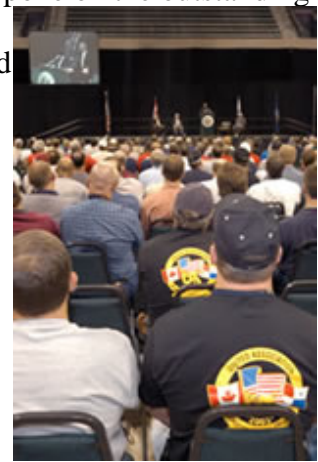
***Orientation***



The first order of business for the Apprentice and Journeyman Instructors is Sunday at Orientation. Instructors not only have the opportunity to hear from UA and College dignitaries, but also learn about the upcoming weeks' activities. UA General President Maddaloni (*left*) spoke of the rich history of the leadership of the UA and the UA Instructor Training Program as it celebrates its 50th Anniversary. He also gave those in attendance an update on the activities of the UA and discussed future plans.



UA Director of Training George Bliss (*right*) also spoke on the outstanding history of the UA Instructor Training Program. He also had the opportunity to introduce the Training Department staff allowing the students to recognize the great job done by his crew.



Washtenaw Community College President Larry

Whitworth (*above left -right Mr. Curry, Michigan State University*) spoke to the instructors and welcomed them as they returned to the WCC Campuses and spoke of the College's pride at being part of the celebration of this monumental anniversary.



### ***Reception and Block Party***

A reception was held for General President Maddaloni at the Hands on Museum Monday night, followed by a Block Party on Main Street in Downtown Ann Arbor. As you can see, it included a Car Show and great fun!





*L. to R. - "I swear boss, I didn't do any of it on company time!?" - The other two House brothers, UA Members and Car Fanatics*



*L. to R. - The Party was a family affair and everyone had a great time !!*

## Planning and Presenting Skill Lessons

Making instructors aware of the nature of sound skill lessons is a must. This class reviewed the elements of the teaching process; developing "skill" lesson plans, principles of presenting a skill demonstration; conducting practice sessions and included a workshop in planning and presenting a skill lesson.



## Soldering and Brazing



This course is designed to teach how-to teach methods of soldering and brazing. Experts from the industry demonstrated the techniques and procedures successfully employed in teaching this subject.

This is a "hands-on" course. Each instructor

had the opportunity to try each method being discussed. The course covered the technical as well as the practical aspects of "soft" soldering with lead free solders. Base metals included, copper, brass, steel, stainless steel and aluminum.



## Valves

The purpose of this course was to familiarize each student with valve designs, functions and general applications. The materials of valve construction and the specifications and standards governing their construction and use was also discussed. Proper installation and maintenance of valves was highlighted.



### Mechanical Equipment Service - Refrigeration

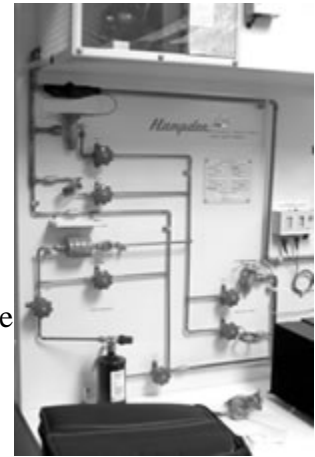


A must for Instructors working with students for their UA S.T.A.R. Certification, this course is intended to acquaint Instructors and Coordinators with the basic concepts of Mechanical Equipment Service Training courses for Journeyworkers and Apprentices. Operation of the refrigeration vapor compression cycle

use of pressure enthalpy diagrams as explained. The application of various system components and refrigeration the course. Coordinators who desire to start a in the basic refrigeration cycle.



was covered. The learning tools is refrigeration piping rounds out



This course is intended for Instructors and basic refrigeration course or are interested

### Introduction to Computer Aided

### Drafting

This course is designed as an introduction to Computer Aided Drafting (CAD) and the CAD environment. Emphasis is placed upon creation of a two-dimensional CAD piping drawing utilizing AutoCAD drafting software, within the Windows operating system.



### Backflow Prevention Certification

This course presents guidelines for acceptable practices for testing, annual inspection and repair of backflow prevention assemblies used in cross-connection



control programs. Course material includes information needed for identifying cross-connections, understanding how backflows occur and the dangers they present, methods used to control backflows and the recommended applications for each type of backflow assembly, laws and liability, and hands-on testing and maintenance procedures for various assemblies. Students who successfully pass the voluntary certification exam administered at the conclusion of the course will be certified as Backflow Prevention and Assembly Testers and Instructors. Here the instructor shows a hot box used to keep valves from freezing and protect them from vandalism. These boxes are available from ½" all the way to 10" valve size.



Mobile Training Unit

The mobile training units have become an important tool in the training of the UA Instructor. It is another way to enable Local Unions to share the



training they have developed. The sprinklerfitters demonstrate the use of sprinklers by setting a fire in their Mobile Training Unit.

### Welding



The UA's Welder Certification Program has been growing at a rapid rate. A number of facility owners view the weld certification program as a valued, added commodity exclusively available through our signatory contractors.



It is vitally important that our instructors pass these skills along to our apprentices and journeymen that will prepare them for a bright future in our industry. It is incumbent on each UA Welder to insure that we maintain our level of training so that the UA continues to set the standard for our industry.



### Around the Campus



*L. to R. - "What do you mean I can't apply for an apprenticeship? I thought the JAC's didn't discriminate when it comes to age. - The Steve's, but, which is which? - Oh no, they're going to open the doors"*



*L. to R. - "What was I suppose to tell Don?" - "I'm telling you, ya gotta learn to do this yourself!" - "Alright, Canada made it in the newsletter, of course it took President Maddaloni to get us here."*



*Left - L. to R. - "I told you we'd get here on time, if you just let me ask for directions"  
Center- "What was I suppose to tell Ron?"*

*Above - We're here, we're excited, and we will be just as excited and happy when we leave Friday, okay,*

*maybe more tired, but still happy.*



Around the Campus



*L. to R. - What would a gathering be without a cell phone - "They used my picture in the brochure !" - "Whatever pictures you don't get - I will."*



*L. to R. - "Elke!" - They all have their continuity papers up-to-date - sure! -" Give me a minute, I know our lunches are in here!"*



*Left- Greater Michigan PMC's Staff and Right - Ann Arbor and Ypsilanti Visitors Bureaus Welcoming the Instructors*

50 Years - An Amazing Record  
For the UA Training Program



What a terrific week this has been, celebrating the program's 50th Anniversary, and honoring its history. The weather has held, (of course its always great weather in Michigan), there was a record breaking attendance for the training program, and a record number of room nights being utilized. The community has been tremendously happy to have you here. And, in particular both UA Local 190 and the Greater Michigan PMC have felt it an honor to be a small part of the week.

We look forward to the UA returning to Michigan, and along with the Michigan State Pipe Trades and representatives from the Michigan Mechanical Contractors Association, we sincerely hope your stay has been a happy one. We know, with the excellent curriculum of the UA Instructor Training Program that it has definitely been an educational one.

We congratulate UA General President Martin Maddaloni, UA Director of Training George Bliss, and the amazing UA Training Staff on the exceptional job they do on this program, and all year long, assisting Local Training Programs. They, and you, are the best in the construction industry.

**We hope you a have safe trip home, and that we'll see you again next year!**

**Ronald House, Business Manager  
UA Local Union No. 190**

**Sandra Miller, President  
Greater Michigan PMC, Inc.**

