



UA Instructor Training Program

45th Annual UA Instructor Training Program Returns to Michigan with Record Breaking Triumph

Michigan was honored to welcome the 45th United Association Instructor Training Program. The United Association of Journeymen and Apprentices of the Plumbing and Pipe Fitting Industry Instructor Training Program returned to Washtenaw Community College for the ninth time. They virtually took over the total campus, to present the program.

This year was a record breaking year with 1,477 registered to attend the program and 137 individuals completing their five years and graduating with a Special Degree.



The tremendous importance of the program was epitomized in an introductory letter in the curriculum outline for the program, by UA General President Martin J. Maddaloni, who stated, "United Association members must be ready to meet the challenges of the workplace in the next century. The workplace is changing rapidly and opportunities for UA Trained craftsmen and craftswomen are everywhere. In order to meet the challenges our local training program must be able to adapt and reflect the demands of the workplace."

The UA Instructor Training Program is the premiere training program of its kind in the construction industry.



Instructor Training Program



The United Association has a continuing concern for the high quality job performance of its members.

They believe that 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 the UA has been long recognized. Their efforts of retaining this position is best exemplified by the UA Instructor Training Program.



Quality craftsmanship is an outcome of good teaching in the Joint UA/MCA training programs. That is why the UA began the UA Instructor Training Program. Its aim is to help improve the teaching techniques, broaden manipulative skills, and expand

the scientific and technical knowledge relationship to the trade. Specifically, the programs is designed to:



- Increase UA Instructors' proficiency in the techniques of instruction 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 aspects of the crafts and bring information to the instructors about the latest developments in this are, as well as in the skills phase of the work of the UA journeyman.

To graduate, students must complete a Five Year Program involving two hundred hours of instruction. It is divided equally into two main elements: the Professional Element, which involves courses dealing with the principles and techniques of teaching, and the Applied and Technical Element, which deals with scientific and technical subjects matter related to the trade.



The title *Certified Instructor of Journeymen and Apprentices in the Plumbing and Pipefitting Industry* is conferred (pictured above) on those who satisfactorily complete 200 hours, 100 hours of Professional Courses and 100 hours of Applied and Technical Courses of instruction in the Five Year Program.





UA Training Department

The UA Instructor Training Program is committed to keeping up with current technology in all areas, developing not only training programs, but certifications and testing programs as well. As new technologies, materials, techniques, equipment and regulations are developed, the UA is there to assess the need and create appropriate programs. To accomplish this takes a tremendous amount of time and dedication. Under the direction of UA General President Martin J. Maddaloni, the UA Training Department works year round to prepare for the Annual Instructor Program to assure it continues to be the premiere program in the construction industry.



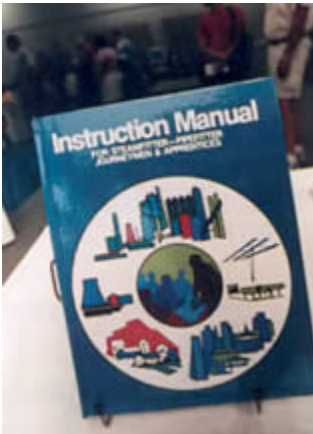
Left - UA Special Representatives assigned to the UA Training Department- L. to R. Steve Kelly, Pete Marzec, Randy Ward, Brian MacDonald, George Bliss, Director of Training, Tommie Sweat, Don Ball, Ronald Albright, Steve Allen and Sid Cavanaugh. Right - L. to R. - George Bliss introducing Doris Baker, Secretary for General President Maddaloni, Pam Ellis, Barbara Hall, Wanda Jameson, Cathy Merkel, Sarah Pingleton, all from the UA Training Department.

Michigan Welcome - When the UA comes to Michigan, locally a great deal of work is done to help insure that they feel welcome by a number of agencies.



Left and Center- Plumbing and Mechanical Contractors Association of Washtenaw County (PMC) at Registration - Lily Calmeyn, sister Jacy and Mom Diane who is the Welding Bureau Director - Center - L. to R. - Doris Reinholt and Janet Oesterle - Right - Front Row - L. to R. - Jennifer Easterday, Ann Arbor Area Conviction & Visitors Bureau (AAACVB), Viginia Kingsley, Ypsilanti Area Convention & Visitors Bureau (YACVB), Theresa Buttignoli, Community Volunteer, JoAnn Geer, Community Volunteer - Back Row - Amanda Weisler, Jimmy's Spitfire Grille, Elke Ferris, AACVB, Karen Snyder and Jimmy Jarvis, Jimmy's Spitfire Grille, Christino Betten, Moveable Feast, Mary Kerr, AACVB, Jackie Hoskins, YACVB, and Roger Bertoia, Washtenaw Community College.

UA Bookstore



In its quest for excellence in training, the UA set up its own unique bookstore to provide up-to-the-minute information for their classes.

Text books are published by the International Pipe Trades Joint Committee specifically for the plumbing and pipefitting training needs, and have a shelf-life of only two years. After two years, they

become obsolete and are revised or replaced.



With 80 courses, 245 sections, and 1,477 students, the UA bookstore is always one of the busiest places on registration day as UA Instructors update their personal libraries for their Training Centers, as well as obtain the books necessary for their upcoming classes.

Soldering Brazing

The Soldering and Brazing classes teach how-to teach methods of soldering and brazing. Experts from industry demonstrated the techniques and procedures successfully employed in teaching the subject.

It 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" solderings with lead free solders. Base metals utilized included copper, brass, steel, stainless steel and aluminum.



UA Welding Program

The reliance on certified welders is a necessity in the construction and maintenance of critical piping systems. This is a detail well known in the Mechanical Industry. That is why the United Association, the Mechanical Contractors Association of America (MCAA) and the



National Certified Pipe Welding Bureau (NCPWB) have formed a Tri-Partite Committee that has



developed a uniform Welder Certification Program for the Mechanical Piping Industry. It is obvious that a harmonious relationship between the three respective groups would be beneficial to all concerned parties. This Tri-Partite Committee helps to insure owners and users of our best welders in the



construction services, the very industry, for the most economical costs.

In welding classes the only passing grade is 100%! Nothing less is acceptable because anything less would allow leaks or contamination. Welds are expected to be about two and a half times as strong as the pipe they are in so if there is a failure, it is the pipe not the weld, that fails.

As with all UA training, safety is an important factor in welding classes. Students are thoroughly schooled in accident prevention.



Backflow Prevention Certification



The Backflow Prevention 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 recommended applications for each type of backflow assembly, laws and liability, along with 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.



Industry Day



In an effort to better inform the Industry of the benefits of the UA Instructor Training School, the UA sponsored an Industry Day. Welcomed by UA General President Martin Maddaloni, those present toured the facility, has the opportunity to lunch with the Instructors, and learned about the program and future programs from Mr. Maddaloni and UA Director of Training George Bliss.





**Graduation-
The Culmination of Five Years Hard
Work**

A significant crowd was on hand showing enthusiastic support for the one hundred forty-three men and women who became Certified Instructors of Journeymen and Apprentices. George Bliss, UA Director of Training (pictured right) presided over the 45th Annual UA Instructor Training Program Completion Ceremony held at the prestigious Power Center for the Performing Arts at the The University of Michigan. Spectators joined in vociferously to make this an outstanding, most memorable graduation ceremony.



UA General President Martin J. Maddaloni (pictured left) gave the charge to the graduates, and stressed the need to provide the best, most competent, highly training tradespeople in the industry. The significant crowd showed their enthusiasm as General President Maddaloni congratulated the graduates, and their families for their dedication in completing the program and their commitment to making the Mechanical

Industry a better place.

He urged them to take the hard earned knowledge they have accumulated over the past five years and utilize it in their home locals to continue to give the UA the best trained, productive workers.



Platform Guests included: General Executive Board MEMEBERS and Vice Presidents, Louis J. Ackerman, District 1, John F. Greenwood, District 2, Clifton Throneberry, District 3, from St. Mary's Church of Chelsea, UA Local 190 Retiree Richard Shaneyfelt, UA General Secretary-Treasurer Thomas Patchell, UA General President Martin J. Maddaloni, UA Director of Training George H. Bliss, III, UA Assistant General President C. Randal Gardner, President of Washtenaw Community College. Dr. Larry Whitworth, Professor and Associate Director Theodore H. Curry, II, Michigan State University School of Labor and Industrial Relations. UA

General Executive Board Members and Vice Presidents James E. O.Mara, District 4, and Lawrence J. Mazzola, District 5



Along with General President Maddaloni, and Training Director George Bliss, Washtenaw Community College's new President Dr. Larry Whitworth (pictures above left) and Theodore H. Curry, II, (pictures right) Professor and Associate Director, Michigan State University School of Labor and Industrial Relations also addressed the graduates, congratulating them on their achievement. After the presentations, UA General President Maddaloni and UA Assistant General President Randal Gardner presented the diplomas.

