

Conduct of Operations Course Slated

Formality, Accountability Key

The highest possible quality and uniformity of operations is crucial to the effective management of Department of Energy (DOE) facilities—especially those that handle nuclear materials. To bring facilities up to this high standard, the Department of Energy has issued Order DOE 5480.19—"Conduct of Operations," according to John De Looper, Associate Director for Environment, Safety and Health/Quality Assurance.

Says PPPL Deputy Director Dale Meade, "The TFTR Deuterium-Tritium (D-T) experiments are the most important ever carried out in this Laboratory, and we must do them *right*. Conduct of Operations will help us avoid mistakes and get the most out of the experiments."

To train staff in the requirements of this Order, two sections of a two-day Conduct of Operations Course are scheduled during the week of July 13. Those asked to attend are operators, technicians, craftsmen, and first-line supervisors, according to Sue Murphy, Head of Certification and Training.

As Head of the TFTR Engineering Operations Branch, Paul LaMarche is in charge of implementing the Order for all of TFTR. He says, "Our people must be well-trained in the requirements and guidelines of the Conduct of Operations Order before the DOE Operational Readiness Evaluation in October."

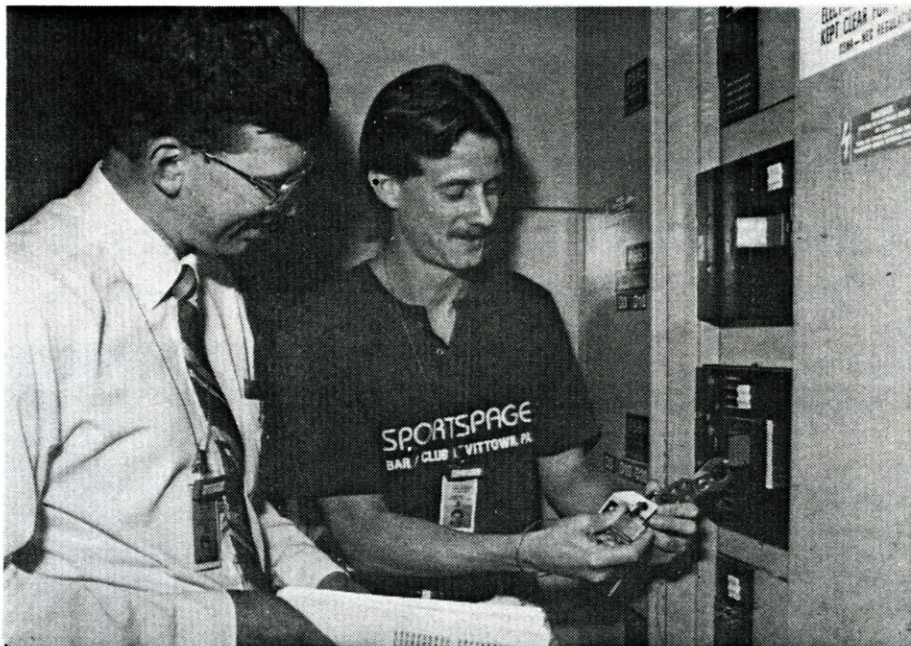


Photo: Denise Applewhite

Tim Tracy (right), Machine Technician for TFTR, performs Lock Out/Tag Out on an electrical breaker as Glenn Pearson, Chief Operating Officer for TFTR, observes. As mandated by the Conduct of Operations Order, the Lock Out/Tag Out Procedure is being implemented to ensure that once a breaker, valve, switch, etc. is shut off, it is locked (if possible) and tagged with relevant information to avoid possible injury to personnel or equipment.

LaMarche observes, "The key words are *accountability* and *formality*—the higher the potential risk of a given activity, the more formal, specific, and uniform the policies, procedures, and documentation must be. In fact, the accountability and formality of some of our operations must be equivalent to those required of an airplane pilot. The accountability inherent in this process is empowering, because each staff member takes ownership of his or her own actions."

According to LaMarche, a *graded* approach to the implementation of the order is being taken.

For example, a safeguard is in place so that once a crucial valve has been put in position, it is *rechecked* to verify that it is indeed in proper position. He says, "While many of the Conduct of Operations procedures are already being done at the Lab, these procedures formalize the process."

High Quality Operations Avoid Shutdown

Rich Hawryluk, Head of TFTR Operations, notes that "Accident investigations have shown that operator errors are the principal

continued on page 2

Conduct of Operations

continued from page 1

cause of most accidents. What the Department of Energy is requiring is that we give the same care and attention to operations that we apply to design and fabrication. Demonstrating that we are in compliance with Conduct of Operations is essential to bringing tritium on site."

"The Conduct of Operations approach is the Department of Energy's way of invoking the kind of total quality control that's re-

quired in a major private corporation," according to DeLooper.

Murphy notes, "By concentrating on high quality operations and avoiding poor ways of doing business, we can avoid being shut down. From oil refineries, to airlines, to NASA (National Aeronautics and Space Administration)—all these concerns need formal conduct of operations guidelines."

Anthony Contino is a Training Specialist in PPPL's Certification and Training Office who is participating in designing the

course. He says, "The goal of the Conduct of Operations course in July is to provide an intensive, highly interactive process that will bring workers up to speed. We must not only learn to work more formally, but develop these formal work habits very quickly. The course will advocate a proactive approach that forces the worker to carefully think through what he or she is going to do *in advance*."

Anyone interested in taking the course, which is limited to 25 in each section, can call the Certification and Training Office at 2220.

Candelori's Community Service Recognized

DOE Award Presented at Washington Luncheon

On June 4, Angelo V. Candelori, Head of PPPL's Office of Administrative Services, was recognized for his outstanding community service by Secretary of Energy James D. Watkins in Washington D.C. Candelori received a plaque from the Department of Energy as well as a "Point of Light" pin from the White House. He joined 90 other DOE and DOE contractor employees who received 1991 Community Service Awards during the Secretary's Luncheon and Awards Ceremony at the Capitol.

Rush Holt, PPPL Assistant Director says, "We have many people here at PPPL who serve their community. Angelo is a fine example of how generously employees give of their time, and his receiving the award speaks well for the whole Lab."

Says Candelori, "I'm very pleased to have been recognized in this way. The trip to Washington was most enjoyable, including tours of the White House and the Capitol as well as a visit with

continued on page 3

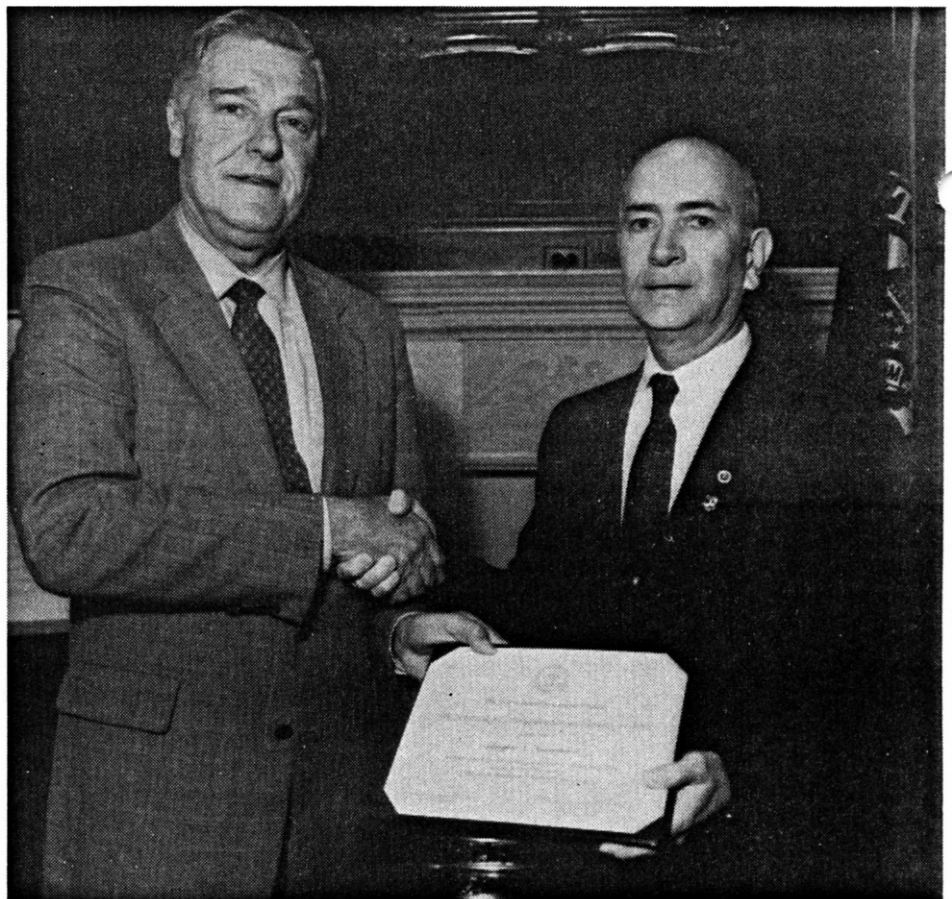


Photo: Charles Watkins, DOE

During a luncheon in the Mansfield Room at the Capitol, Secretary of Energy James D. Watkins (left) presented Angelo V. Candelori with a Certificate that reads, "In appreciation of your special contribution to community service and spirit of volunteerism as one of the Department's Brightest Points of Light."

Candelori

continued from page 2

N.J. Senator Bill Bradley and N.J. Congressman Christopher Smith. It was very interesting to hear about the community services of staff members at other DOE facilities around the country as well."

Steve Iverson, Head of Human Resources and Administration said, "It was a pleasure to nominate Angelo for his many outstanding community contributions. I am delighted that he received this prestigious award."

Service Activities

After graduating from the Bordentown Military Institute and receiving a B.A. degree from Pennsylvania Military College, Candelori served as Second Lieutenant in the Marine Corps for three years. He now holds the rank of Colonel in the Marine Corps Reserves (retired).

For the last nine years, Candelori has served as a member of Congressman Smith's United States Service Academies Screening Committee. Every December, for a full weekend, the Committee interviews 50 to 60 high school seniors who are applicants for the U.S. Military Academy, the U.S. Naval Academy, the U.S. Air Force Academy, and the Merchant Marine Academy.

Reflecting his long-time commitment to the military, since 1967 Candelori has also served as Executive Vice President and Scholarship Chairman of the Marine Corps Scholarship Foundation.

The Foundation is dedicated to the purpose of providing financial assistance in the form of scholarships to needy and deserving sons and daughters of U.S. Marines, and to children of former Marines

Law Enforcement Awareness at PPPL

PPPL employees are reminded of their obligation to report criminal activity at the Laboratory, including waste, fraud, and abuse of federal property. There are several avenues open to staff.

An individual may report suspected waste, fraud, and abuse of federal property or other criminal conduct, in confidence, to his or her supervisor, the supervisor's manager, or the division head. In criminal matters, the individual must ensure that *J.W. Anderson, Security and Emergency Preparedness Division Head*, has been notified (ext. 2899). In all instances, Mr. Anderson will work with the appropriate local, state, and/or federal law enforcement agencies in a confidential investigation of employee complaints.

Another option open to employees is the Office of the Inspector General of the U.S. Department of Energy. This office maintains a 24-hour telephone hotline specifically for reporting fraud, waste, and mismanagement. The toll free number is 1-800-541-1625; the commercial number is 1-202-586-4073; and the FTS number is 896-4073.

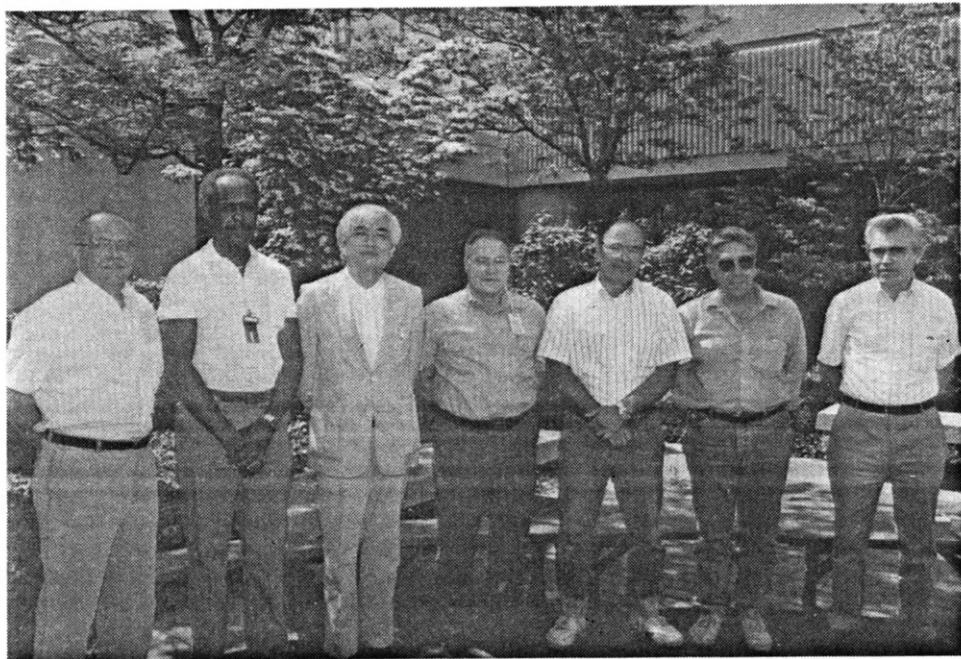
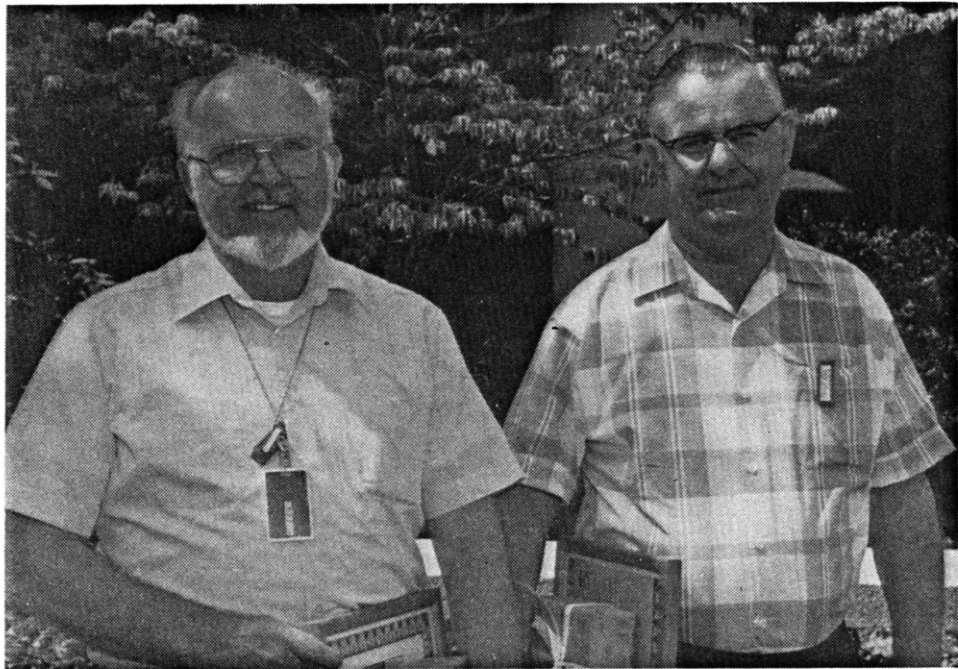
in pursuit of a college education. For the 1992-1993 academic year alone, the Foundation awarded 787 scholarships totaling more than \$1,126,000.

Candelori participates extensively in fundraising activities for the Foundation, including acting as co-chairman for the annual New York Scholarship Ball, which draws more than 1000 supporters annually.

In the past, Candelori has also been extensively involved in other community service activities. He has served as chairman of PPPL's

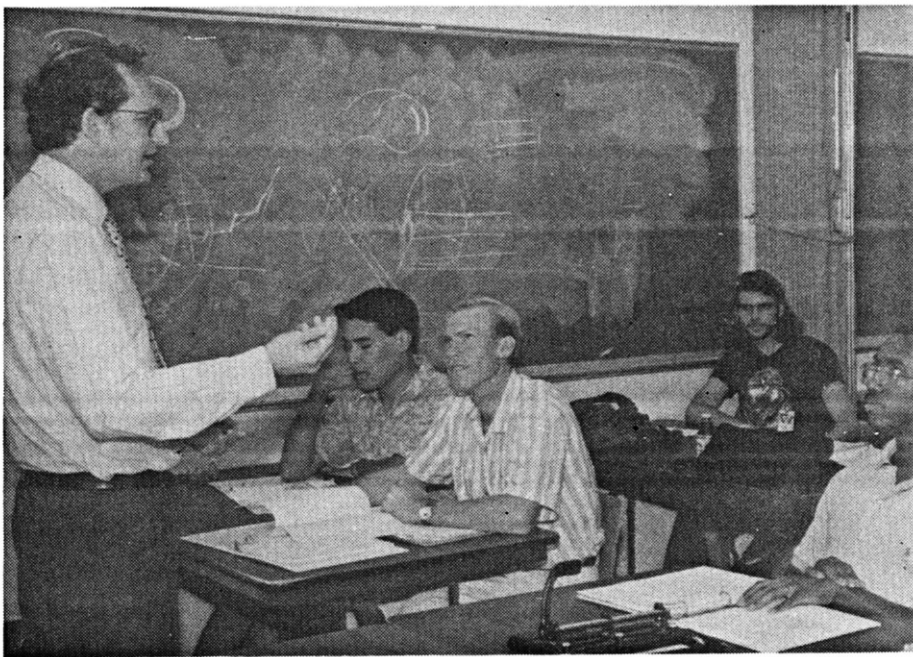
United Way Campaign, as Vice Chairman of the Hamilton Township Planning Board, as a member of the Hamilton Township Development Review Advisory Board, as Vice Chairman of the Board of Managers of Donnelly Geriatric Hospital, as a member of the American Heart Association's Board of Trustees, as a member of the Trenton Troop 14 Boy Scouts Executive Committee, and as President and Chairman of the Board of the Enrico Fermi Federation, as well as other activities.

What's Happening at PPPL?



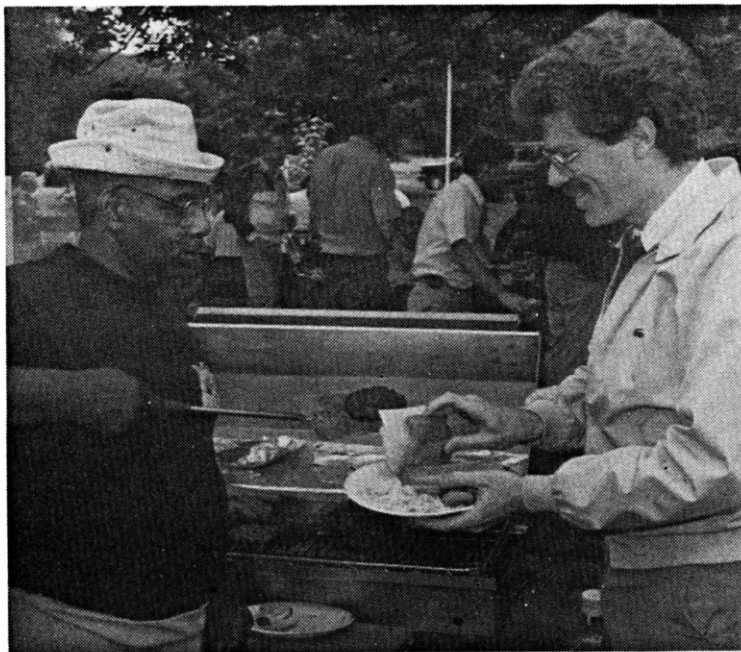
Photos: Denise Applewhite

Recipients of PPPL service awards were treated to an awards ceremony and reception on June 17 in the MGB auditorium and the LOB lobby. Those employed at PPPL for 35 years are, top photo, Donald Muschal (right), Don Carter (left) and Joe File (not pictured). Employees of 30 years are, bottom photo: (left to right), Robert Longmuir, Roland Snead, Shoichi Yoshikawa, William Persely, Joseph Dolobacs, Michael Candelori, and Silvester Luyber. Not shown is Larry Corl. Other employees with length of service ranging from 5 to 25 years were also honored.



Nat Fisch (standing), instructs undergraduate students in some of the finer points of plasma physics during their week-long introductory course here at the Lab in June. The students, who were here as part of a National Undergraduate Fellowship Program administered by Science Education, have now gone on to nine weeks of research at one of the universities and laboratories doing fusion research nationwide. Fisch is Academic Director of the Program. Others who instructed the students were: Sam Cohen, Steve Cowley, Rob Goldston, and Charles Karney.

Photo: Denise Applewhite



Bob Tucker serves up a hamburger to Irv Zatz during the Annual Engineering Picnic held at B-Site hangar on June 22. Among those enjoying the eats (left to right around the table), are Gail Marshall, Mike McCarthy, Roy Jensen, and Sharon Elder. (Apologies to those whose faces aren't shown.



Photos: Dietmar Krause



Frank Clark



Bob Simmons



Sue Pontani



Mike Candelori

Area Safety Coordinators (ASCs) and Cognizant Area Supervisors' (CASs) efforts to make PPPL a safer place to work were recognized at the First Annual ASC/CAS Luncheon at Mastoris on June 18. Director Ron Davidson, Deputy Director Dale Meade, and Department Heads Rich Hawryluk, Steve Iverson, Ed Winkler, and Mike Williams joined the group and spoke about the importance of the ASC/CAS Program in the Lab's environment, safety and health activities. At the conclusion of the luncheon a random drawing for door prizes was held. ASC and CAS winners included: Joe Bonfonti, Mike Candelori, George Christianson, Frank Clark, Kris Gilton, Sue Pontani, Pat Shangle, Bob Shoemaker, and Bob Simmons. Prizes included: brunch for two at the Scanticon and the Hyatt, baskets of cheer, smoke detectors, fire extinguishers, and car first-aid kits.

Photos: Denise Applewhite



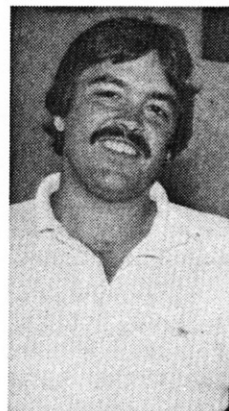
George Christianson



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