

## United Way Campaign Plans Underway

### *Gift Incentives Needed*

"We're very excited about the prospect of the most successful United Way Campaign yet," says Harry Howard, the 1991 Campaign Director. "Once again, we will have a drawing and will be offering a variety of intriguing prizes—donated both by Lab employees and by local businesses."

According to Mary Ann Brown, who heads the Incentives Committee, "Last year most of our prizes came from local restaurants and stores, and they ranged from baseballs to bananas. Several employees have al-

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Way

ready said they'd like to donate prizes for this year's United Way Campaign, so we're opening the door to anyone who has a small gift item they'd like to contribute. Those who want to donate a prize can call me at 3045 or complete the form on page 5.

The Campaign will culminate on November 20, with staff attending one of five meetings where they will have the opportunity to see a brief movie on how United Way funds benefit the community and to fill out their pledge cards.

Dori Barnes, who directed last year's United Way Campaign, says, "We're going to make good on our promise to celebrate exceeding our 1990 goal with a party. The party will be in the LOB Lobby after the November 20 meetings. We hope everyone will come!"

## Lab Exceeds 1,000,000 Hours without a Lost-Time Accident

by Joseph Stencel

The Laboratory recently exceeded one million employee-hours without a lost-time accident. What this means is that none of the approximately 800 PPPL employees has missed a day's work because of an on-the-job accident during the last seven months.

This is a noteworthy achievement when we consider that the 1,000,000 mark has been reached only twice before: in 1986, when 1,316,000 person-hours were accumulated, and in 1989-90 when the value reached was 1,330,000 person-hours.

The present achievement is even more significant when we consider the reductions in staff since 1986. At that time, the Lab was accumulating about 200,000 employee-hours per month, whereas today we are at a level of 141,500 employee-hours per month.

### **NSC Award Received**

PPPL has received an "Award of Merit for a Noteworthy Safety Performance in 1990" from the National Safety Council. The award was based on a reduction in the Laboratory's accident incidence rate (for all types of accidents) in 1990 compared to the previous three years.

The Occupational Safety and Health Award Program of the National Safety Council is a noncompetitive incentive and recognition program designed to promote the reduction and elimination of occupational injuries and illnesses. Currently, over 8,000 organizations participate annually, representing 42 principal industries throughout the United States.

While the Award of Merit is very good, there are two higher awards that can be achieved—the Award of

Honor, for over three million employee-hours without a lost-time accident, and the Distinguished Achievement in Occupational Health and Safety Award.

Other companies have achieved these goals, and I believe we at PPPL also have the necessary safety awareness within our staff to win these higher awards. While we must never overlook our primary goal of eliminating lost-time accidents because of the human suffering and loss of talents and productivity, we also believe that it is important to achieve these milestones in order to show others that we are indeed motivated by environment, safety, and health issues.

The goal of two million accident-free hours is within our reach. Keep up the safe work!



# Special People Qualify as EMTs

"At PPPL, we're fortunate to have 22 Emergency Medical Technicians (EMTs), because it takes a special kind of person to do this type of emergency work. EMTs are an extremely valuable resource to the Lab because they can respond to an emergency at a moment's notice, whereas other assistance may take 15-30 minutes to arrive," says Greg Tompkins, Administrative Captain of the Emergency Services Unit.

He adds, "Here at the Lab, we usually have at least two EMTs on duty 24 hours a day, and we can reach the scene of an accident or sudden illness within a couple of minutes. We also have the advantage of a brand new ambulance on site. If the patient's condition is critical, we can have Mercer County paramedics meet us here or in route to the hospital. Although we average only 20 calls a year, for those patients, our assistance may be crucial."

In Spring, 1991, four additional PPPL staff members qualified as EMTs—J.W. Anderson, Christine Cancel, and Tom Furman from the Emergency Services Unit, and Jeff Bennett from the Facilities Engineering Division (formerly Plant Maintenance and Engineering).

## EMT Course on Site

To qualify, these staff members, along with 65 other students from around this area of New Jersey and Pennsylvania, took the basic EMT course here at PPPL. It is a rigorous, extensive course of 120 classroom hours, with ten additional hours at a hospital, where students visit the emergency room, intensive care, cardiac care, obstetrics, and the psychiatric unit. Some highlights of the basic course include: cardiopulmonary resuscitation (CPR), patient as-



Photo: Dietmar Krause

**Emergency Medical Technicians who qualified after an intensive course at PPPL during spring of 1991 include (left to right): J.W. Anderson, Christine Cancel, Jeff Bennett, and Tom Furman. Anderson, Cancel, and Furman are with Emergency Services at PPPL, while Bennett is with the Facilities Engineering Division.**

essment, shock management, splinting, and anatomy and physiology.

Says Tom Furman, "The course was very informative and technical. It requires a lot of reading, but 50 percent is hands-on. It's really worthwhile, and I'd encourage others to take the course, because you never know when you might need those skills to help an elderly person or child in your family."

In New Jersey, EMT certification is required for anyone providing emergency treatment and/or working on an ambulance. All new PPPL Emergency

Unit Employees must qualify as EMTs within two years of hire date. Many who take the course use their skills through their local First Aid Squad or Volunteer Fire Department.

The course, sponsored by the New Jersey Department of Health, has been held at PPPL for eight years, and is scheduled for the ninth time starting in late January of 1992. It will be on Monday and Wednesday nights from 7:30 to 10:30, plus some day-long Saturday sessions. For further information, call Greg Tompkins at 3166.

## Emergency Medical Technicians at PPPL

### Emergency Services Unit:

J.W. Anderson, Head, Security  
and Emergency Preparedness  
Greg Tompkins, Captain  
Tom Furman, Captain

### Driver Operators:

Dave Gayley  
Robert Lamb  
Kevin Rhoades

### Emergency Services Officers:

Kevin Brink  
Tom Brophy  
Christine Cancel  
Peter Fabian  
Wes Foraker

Bob Klimowicz  
Harris Kohen  
Gene Rogers  
Bob Verney  
Suzanne Willitts

### Other Departments:

Jeff Bennett, Facilities Engineering  
Department  
Mark Cropper, TFTR Operations/NB  
John Delooper, Associate Director,  
ES&H/QA  
Allen Patterson, TFTR Operations/  
ICRF  
Harry Towner, Computer Division  
Bubba Vinson, TFTR Operations/NB

# Vacuum Technicians Assess Job Skills

During an intense three-day workshop, PPPL vacuum technicians and vacuum electronics technicians put their heads together to analyze just what skills and knowledge they find essential to their jobs. The information is being used to create courses tailored to the needs of PPPL technicians.

Participants included: TFTR Vacuum Technicians Richard Meagher, Thomas Czeizinger, Carl Bunting, Bud Kearns, Mike DiMattia and their supervisors Thomas Provost and Joe Winston. Also participating were Jim Walsh and Gary D'Amico, Vacuum Electronics Technicians.

Said Carl Bunting, "The workshop was very interesting because once our job duties were all listed on the board we could clearly see how many different activities we're actually involved in, and appreciate the importance of our work in the overall scheme of things."

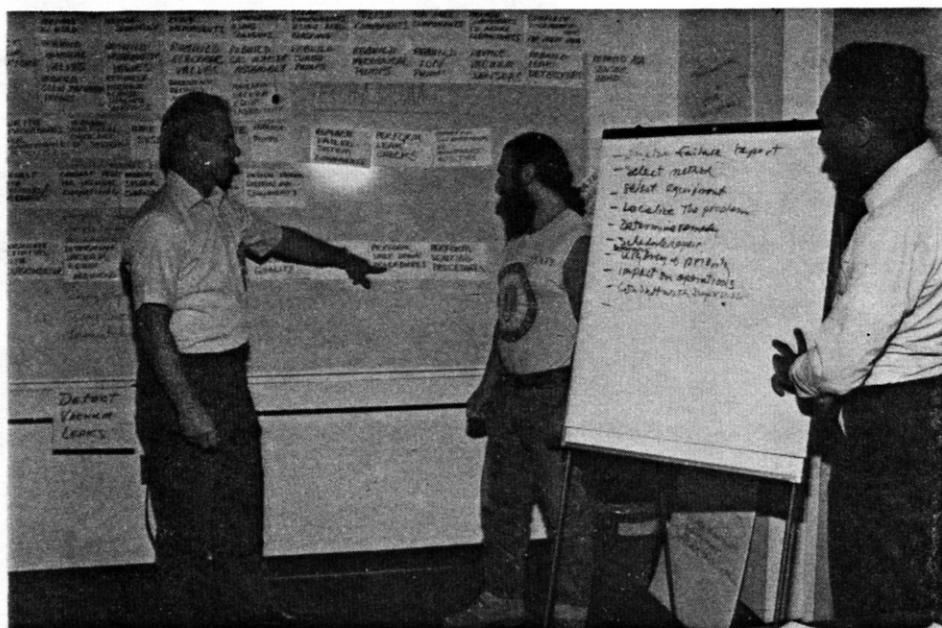
For the job analysis, the technicians used a systematic approach called DACUM (Developing a Curriculum), which identifies equipment, tools, attitudes, traits, and knowledge necessary for their jobs. Results were then reviewed by appropriate managers for accuracy and completeness and charted into 12 major tasks within the vacuum technician's job.

Based on this information, a curriculum of basic workplace skills was developed. "Training can now be tailored to efficiently prepare new technicians with appropriate skills in reading, writing, oral communication, computing, science, and problem solving," according to DACUM facilitator David Flumbaum. Flumbaum is Associate Dean of Instructional Service at the Maryland DACUM Resource Center at Dundalk Community College.



**Vacuum Systems Technicians who attended the DACUM workshop to analyze their job skills gather to discuss ideas. They are, standing, left to right, Mike DiMattia, Tom Czeizinger, Carl Bunting, Gary D'Amico, Tom Provost, and seated, Joe Winston and Rich Meagher. Missing are Jim Walsh and Bud Kearns.**

Photo: Dietmar Krause



**David Flumbaum (at board), DACUM Facilitator, works with Vacuum Technician Mike DiMattia and Supervisor Joe Winston on the breakdown of job skills into various categories during the workshop.**

Photo: Dietmar Krause

The job profile chart and curriculum have already been used to develop a science course for technicians. Says PPPL Manager for Training and Development Bill Johnson, "The course was specifically designed to provide basic understanding of the

physical sciences that the technicians use every day on their jobs."

According to Johnson, two additional DACUM analyses have already been scheduled through a grant being administered by Mercer County Community College.



# What's Happening at PPPL?



**On September 30, the U.S. Department of Energy extended its contract with the Trustees of Princeton University for the continued operation of the Princeton Plasma Physics Laboratory. Shown at the signing are, left to right, Milton Johnson, Princeton Area Office Manager, David Goldman, Acting Manager, Chicago Operations Office, Hugo Sonnenschien, Princeton University Provost, and Ronald Davidson, PPPL Director. Said Goldman, "In the near-term we look forward to steady advances in the science of fusion energy and a bright future, as fusion takes its place in the mix of energy we use."**

Photo: Dietmar Krause



**As Provost, Dr. Paul Benacerraf was most supportive of PPPL throughout contract negotiations, the search for a new director, Tiger Team activities, and other major issues. In appreciation, Benacerraf (right) was presented with a photo of TFTR by PPPL Deputy Director Dale Meade, during a reception held for him when he stepped down from the Provost position July 1. Looking on (center, background), is James Wel, Dean of the School of Engineering and Applied Science. Benacerraf has resumed his work as full professor in the Princeton University Philosophy Department. The new Provost is Dr. Hugo Sonnenschien.**

# Red Ribbon Week is October 19–27

*A Red Ribbon is used to symbolize support for a Drug Free America.*

So Much  
Depends  
On You  The  
United  
Way

I would like to provide an incentive for **United Way** giving in the form of a small gift.

Name: \_\_\_\_\_

Office Ext: \_\_\_\_\_ Home Phone: \_\_\_\_\_

Gift incentive: \_\_\_\_\_

Please bring your incentive to Mary Ann Brown, LOB Room B354, C-Site. Mary Ann can be reached on ext. 3045.

## Volunteers Needed to Help at Family Day

**We** need your help to make the 40th Anniversary Family Day and Open House on Saturday, October 26 a big success. The event will run from 10 AM to 4 PM and volunteers are needed from 9 AM to 5 PM to help serve food, hand out souvenirs, direct tours, etc. If you can participate for *two, three, four or more hours*, please call ext. 2010 and leave your name and the time you can help or complete the coupon below and return it to Peter Del Gandio in the Safety Office at D-Site.

Please let us know if you can help as soon as possible. Anything you can do will be greatly appreciated.

*Yes! I volunteer to help make the 40th Anniversary Family Day a great success. Please sign me up for:*

Number of Hours: \_\_\_\_\_

Morning \_\_\_\_\_ Afternoon \_\_\_\_\_ No Time Preference \_\_\_\_\_

Name: \_\_\_\_\_

Extension: \_\_\_\_\_ Home Phone: \_\_\_\_\_

Send to: Peter Del Gandio, Safety Office, D-Site





**FUSION—the energy source of the sun and stars—  
will one day provide an inexhaustible,  
safe and environmentally sound means  
of generating electricity**

You are invited to participate as we celebrate the  
accomplishments of 40 years of magnetic fusion research  
at the Princeton University Plasma Physics Laboratory

**Community Open House  
10:00am – 4:00pm  
Saturday, October 26, 1991**

Princeton University  
Plasma Physics Laboratory  
James Forrestal Campus  
US Route 1  
Plainsboro, New Jersey  
609-243-2750 609-243-2106

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