

College Road Move, Right On Schedule

Moving day — the very words conjure up images of dreaded packing, lifting, and stress and strain. And finally, when all energy is depleted, unpacking.

Anyone who has gone through this series of maneuvers will shudder to think of the effort required to move 200 people. But that is exactly what is taking place as the entire contents of Princeton Plasma Phys-

said that he'd prefer to see a "move to stay put"), the decisions were ultimately based on economics. The forthcoming fiscal year 1989 Annual Report states that, "The budget pressures and staff reductions in FY89 led the Laboratory to reexamine space requirements."

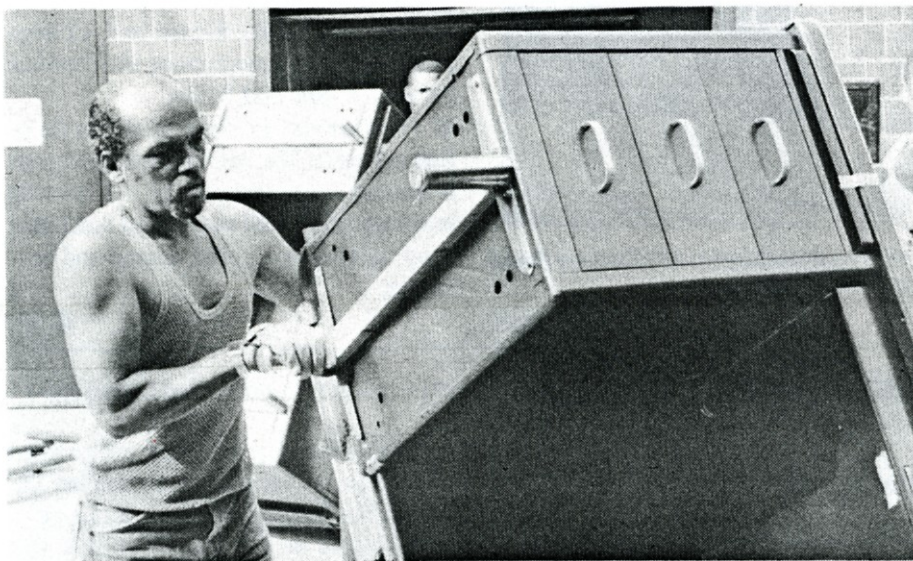
Ed Winkler, PPPL Controller, estimates that the Lab will save approximately

New Engineering Wing Completed Early & Under Budget

In a recently completed \$1.2 million conversion project, the Project Engineer and Construction Branch, acting as general contractor, transformed a single-level tech shop into a two-story modern office facility for engineering and drafting personnel. The renovation, which is located south of the LOB East Wing and began nine months ago, was completed nearly a month ahead of schedule and thousands of dollars under budget. It will be used to house staff which for the past three years occupied 307 College Road East.

Subcontractors were comprised of small businesses, and according to Bob Kress, Manager of Project Engineering and Construction, were an unusually cooperative group of professionals. "It's gone exceptionally smoothly," he said. "Each of the subcontractors had a liaison person here at the Lab, and I think you'll find that everyone involved with the project is proud of the work that's been done."

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The entire contents of 305 and 307 College Road East are being moved to C- and B-Site. Larry Jones is among the employees executing the move. Photo: E. Webster

ics Laboratory's offices at 305 and 307 College Road East are moved to B-Site and to the old tech shop which has been renovated to house engineering and drafting personnel. (See accompanying article.)

The decisions to relocate the offices at College Road were arrived at in two phases. It was determined a year ago July to consolidate the engineering staffs at C-Site. And a study initiated by Dick Rossi, Associate Director and Head of the Administrative Department, resulted in the decision to relocate CIT, Ebasco and the Engineering Analysis Division (EAD) to B-Site.

While individuals may have mixed feelings about being moved after only three years at College Road East (one employee working amid boxes and moving crews

\$700,000 as a direct result of moving from College Road. The savings for fiscal years 1991 and 1992 are expected to be about \$1.6 million, but the Lab invested \$900,000 in fiscal years 1989 and 1990 to cancel the leases and pay for the move.

The first four weeks of the eight-week move will transfer the engineering and drafting staffs to C-Site. This, according to the Annual Report, will benefit the Lab by bringing employees and their activities "closer to scientific staff and experimental devices." Dick Rossi said that consolidating these areas will help "improve the efficiency and effectiveness of the work by unifying the efforts in a centralized area."

Bob Kress, Manager of Project Engineering and Construction, said that the

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Accident Follow-Up

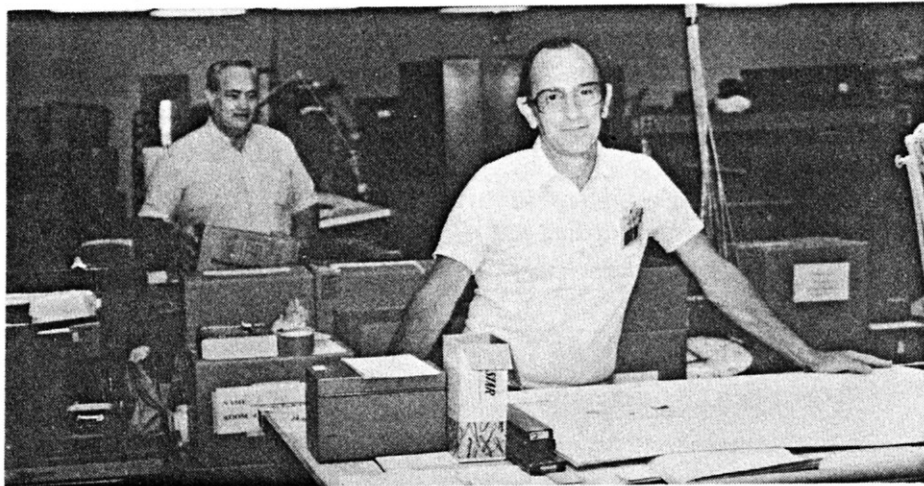
As a result of last week's accident in the TFTR Hot Cell where acetone and nitric acid were mistakenly mixed, an investigation is underway to report details of the incident and the corrective actions that were taken. A separate report will recommend changes, if needed, to the current system of controlling and handling chemicals in the Laboratory. Both reports are expected the week of August 20th.

Move — continued from page 1

study which helped determine the fate of the 78 employees in CIT, Ebasco, and EAD was based on the examinations of three scenarios: (1) remaining at College Road East; (2) moving to B-Site; and (3) moving to C-Site. In the third option, Procurement, Accounting, and IRM would have been moved to B-Site and construction of an additional module on C-Site

would have been required.

"With recent budget reductions, the overriding concern was the conservation of our financial resources to keeping the [Lab-wide] programs moving," Kress said. As a result of the decision, EAD is being relocated to the Aero Lab, CIT and will be housed in the New Guggenheim Building, and employees from Ebasco will move into both Old and New Guggenheim.



Mike Capone (back) and Richard Salm (front) continued working in 307 College Road East amid movers, boxes, and rapidly depleting office furniture.

Photo: E. Webster

Other Changes

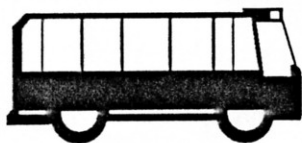
● **Phones** — Molly Tompkins, Telecommunications Manager, says that the logistics of shifting phone service for 200 people from two into three buildings may require patience on the part of employees. While it is expected that service will be transferred within five days of the scheduled move, it may be necessary to dial alternate numbers or use pocket pagers if you are unable to immediately reach an individual at his or her extension.

Most employees' extension numbers will remain the same, but if you experience any problems, call the operator for assistance.

● **Shuttle Service** — Until all personnel have been moved from College Road, a temporary shuttle schedule (see left) will connect the LOB, B-Site and College Road. After this time, service will continue between C-Site and B-Site.

● **Food service** will be available at the B-Site cafeteria. The current plan anticipates a limited operation which will provide morning coffee and snacks and lunchtime soup, sandwiches, salad, dessert and beverages.

— E. W.



Temporary Shuttle Schedule LOB to B-Site to College Road East

Shuttle Stop	Times of Departure								
LOB	8:00	9:00	10:00	11:00	12:00	1:00	2:00	3:00	4:00
B-Site	8:10	9:10	10:10	11:10	12:10	1:10	2:10	3:10	4:10
307 College Rd E	8:16	9:16	10:16	11:16	12:16	1:16	2:16	3:16	4:16
B-Site	8:25	9:25	10:25	11:25	12:25	1:25	2:25	3:25	4:25
LOB	8:30	9:30	10:30	11:30	12:30	1:30	2:30	3:30	4:30
B-Site	8:40	9:40	10:40	11:40	12:40	1:40	2:40	3:40	
307 College Rd E	8:46	9:46	10:46	11:46	12:46	1:46	2:46	3:46	
B-Site	8:55	9:55	10:55	11:55	12:55	1:55	2:55	3:55	

Notes:

- (1) Schedule will be in effect from 27 August 1990 to 30 September 1990 or until all employees have been moved out of College Road.
- (2) Time shown is when the shuttle leaves the stop.
- (3) B-Site pick-up is in front of the New Guggenheim. (The shuttle stop shelter will be moved from College Road East to this location once the move has been completed.)
- (4) Questions regarding this schedule can be addressed to Pat Zeedyk, ext. 3108, or Scott Larsen, ext. 3387.

Renovation — continued from page 1

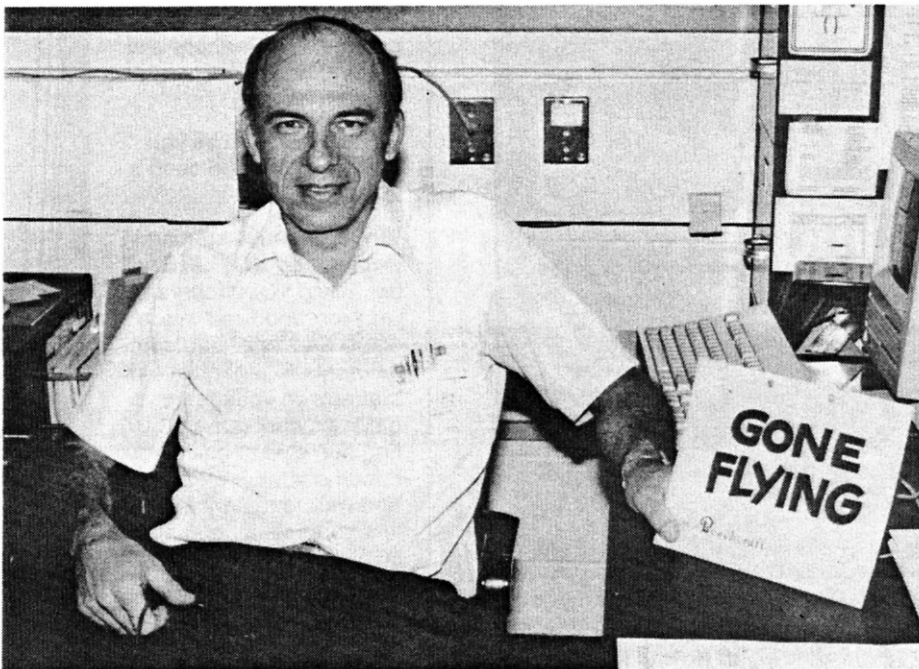
Since both 305 and 307 College Road East must be vacated by September 30, having this building ready for occupancy a month early meant that the move could take place over a eight-week period, rather than four weeks which was originally scheduled. This, in turn, will reduce the amount of overtime required to facilitate the move, all of which is being done in-house rather than through an outside moving company.

In addition to the renovation project, construction of a pedestrian bridge to connect the new engineering facility to the LOB is in the design stages and is expected to be completed by March of 1991. Both of these projects are focusing on compliance with the Uniform Federal Accessibility Standards (UFAS) which will make the Lab easily accessible to handicapped individuals and those needing special assistance in order to move throughout the facility. The bridge will also enhance general pedestrian traffic circulation throughout the Laboratory.

— E. W.

Ray Jeanes' Weekend Flight to the Mid East: Supplying U.S. Forces in Saudi Arabia

Between Wednesday night and Monday morning (August 8-13), while most of us were wrapping up the work week, enjoying the week-end and preparing to begin it all over again, Ray Jeanes, Plant Engineering Fire Protection Engineer and member of the U.S. Air Force Reserves, was piloting a plane full of Army trucks and tanks bound for Saudi Arabia. During the four-day trek, he logged 36 flight hours and covered a distance of nearly 14,000 miles.



As a pilot in the Air Force Reserves, Ray Jeanes recently flew a cargo plane filled with tanks and trucks to Saudi Arabia.

Photo: E. Webster

His trip to the Middle East was handled as a "Stage Operation," a term used to describe moving a plane a long distance in a short amount of time by only breaking up the flight to refuel and rotate the crew.

Ray's trip began at Dover Air Force Base in Delaware, where he received orders which required him to fly to Pope Air Force Base in North Carolina. At this location, cargo was loaded and the plane left the U.S. for Frankfurt, West Germany. In Frankfurt, the three-man pilot team was replaced by a fresh crew; Jeanes' group spent the next 12 hours resting so they could relieve another team of pilots who would arrive from the U.S. the following day. They then flew the final leg of the

outbound trip and arrived in Saudi Arabia at 2 a.m. local time.

Only about three hours were spent on the ground in Saudi Arabia — just long enough for the plane to be unloaded, refueled, and for the crew to file its flight plan. At dawn they left for Germany where they once again rested, and then flew the final segment back to Dover.

While on the ground in Saudi Arabia, Ray observed that the military operation was being handled by both Americans and

completes its all-out effort to get troops, supplies and machinery in place within the

During the four-day trek, he logged 36 flight hours and covered a distance of nearly 14,000 miles.

next week, he probably won't be returning immediately.

Ray has been in the U.S. Air Force Reserve for 17 years. Prior to that, he was on active duty for seven years, and left with the rank of Captain. While in the Reserves, he has been promoted to Lieutenant Colonel.

During his time in the Reserve Forces, Ray has been assigned to the 709th Military Airlift Squadron at Dover Air Force Base, Delaware. The 709 flies the C-5 (a large, four-engine jet aircraft) and augments the active duty forces to provide airlift for both routine operations and national emergencies. While the C-5 can, and sometimes does, transport people, its main purpose is to move large heavy equipment such as tanks. It has the ability to haul up to 265,000 pounds of cargo. — E. W.

Edna Kalmus suggested and contributed to this article.

HOTLINE



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Our best ideas come from you. If you have a story idea, let us know. Call Carol Phillips at ext. 2754 or simply write a note addressed to **HOTLINE**.

HVAC Class Brings New Ideas to Lab

It's unusual to hear that: (a) an on-site class was interesting, (b) the participants were enthusiastic and would have liked the instruction to go further, and (c) the instructors were exceptionally good at their task. But that's exactly what's being said about a two-day class on heating, ventilation and air-conditioning (HVAC) which was held in May and whose participants recently received certificates for their efforts.

The HVAC Efficiency Improvement Training Program was sponsored by the

Department of Energy, hosted by Plant Maintenance and Engineering, and attended by 14 Lab employees, including plant engineers, planners, and technicians in Quality Assurance and the Motor Generator (MG) areas. A Princeton-based DOE representative also participated.

Charles Kircher, a Senior Project Engineer who attended the program, says that it was a combination of the strength of the instructors and the interest of the attendees that made the program such a success. "The instructors did a very good job, especially considering the complexity of our facility. Plus we had people of our own who were knowledgeable, so we had interesting discussions and exchanges of ideas. Some participants even expressed an interest in having it extended, which is unusual and reflects positively on the ability of the instructors."



HVAC Class participants and supervisors: Front—Dick Terhune, Charlie Kircher, Jeff Bennett, Tom McGeachen, and Walt Olkowski. Back—Bob Rodgers (DOE), Alex Melendez, Carl Potensky, Ray Pressburger, Jr., Rick McDonough, Bill Persely, Harry Krotz, and Rich Pfeifer.
Photo: John Peoples

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According to a DOE statement, the purpose of these sessions is to "reduce energy consumption and costs." But the training, which consisted of both classroom and hands-on instructions, was only part of the job the Institute was hired to do. The representatives also spent an entire day familiarizing themselves with and inspecting the Lab's system. The results will be published in a forthcoming report which, according to a memo from the Department of Energy, will "identify deficiencies, estimate the cost to correct the deficiencies, calculate the expected annual energy and cost savings, and perform a life-cycle-cost-analysis."

Kircher said that because the instructors/inspectors are familiar with other sys-

— MEMO —

Who: You

What: We need information about employees who do volunteer work

Where: Anywhere — Little League coaches, Scout leaders, volunteer rescue or fire workers, PTA members, foster parents, Big Brothers and Sisters, tutors — on, and on, and on

When: As soon as you can jot a note and send it to **HOTLINE**

Why: Because starting in September, **HOTLINE** will be telling you about fellow workers who have made short- and long-term commitments to organizations that rely on volunteers to get their work done. You'll find out what sorts of work needs attention and why, and who to talk with if you find yourself curious about involvement. And, perhaps most importantly, you'll learn a little bit more about the men and women who are working at PPPL.

tems, their observations will be extremely useful to the Lab. "It helps to have fresh eyes come in and look at things," he said. "We're constantly trying to come up with ideas, but comments from people who have been to other facilities and know about the problems a variety of systems can have, are especially valuable."

The Institute is scheduled to return to the Lab in the second quarter of 1992 for boiler training. If anyone other than Boiler Operators is interested in attending, contact Plant Maintenance and Engineering.

— E. W.

In-House Aerobics — No Excuses and Lots of Fun

Huffing and puffing — the sounds of the big bad wolf trying to blow down the three little pigs' house. It's also what you might hear as you pass by the cafeteria on Mondays and Thursdays from 5:15 to 6:15 p.m. No, there's not a reading of the old fable going on inside, but rather employees participating in a program of professionally taught aerobics classes.

Sally Connell, who helped initiate the program two years ago, says, "It's a convenient way to exercise — **no excuses**, because it's right here in the building!" She also says that it's an excellent way to relieve stress. "You feel more invigorated after the class. You may go into it thinking you just can't do it — maybe you had a bad day or you're simply tired, but by the end of the hour you're feeling quite relaxed," she said.

A typical class at the Lab is made up of between 12 and 15 employees. Connell says that while the average age of the participant is around 45, "we do have a few kids in their '30s."

Classes are taught by instructors from The Body Center™ in Princeton. Co-owner Cindy Powell says that they specialize in the 30- to 60-year-old crowd. "We don't want to send a 20-year-old instructor with a perfect body out and give the impression that if you exercise, you'll look like that," she said. "We send instructors of all ages and all body types — just like the people who'll be taking the classes. Our teachers are enthusiastic and portray positive good feelings about themselves and the workouts," she said.

Instructors are certified, which means that they have taken courses in aerobic safety, choreography, physiology and kinesiology. Unlike some studios that allow instructors to design their own classes,

up with the instructor.

She says that there is evidence that employees who regularly exercise have lower absenteeism, which is one reason corporations welcome on-premises classes. Besides PPPL, their clients include Merrill Lynch and the United Jersey Bank at Carnegie Center.

Employees benefit from the involvement because in addition to strengthening muscles and improving cardiovascular endurance, they often report that their sleep improves and they become more alert, both on and off the job.

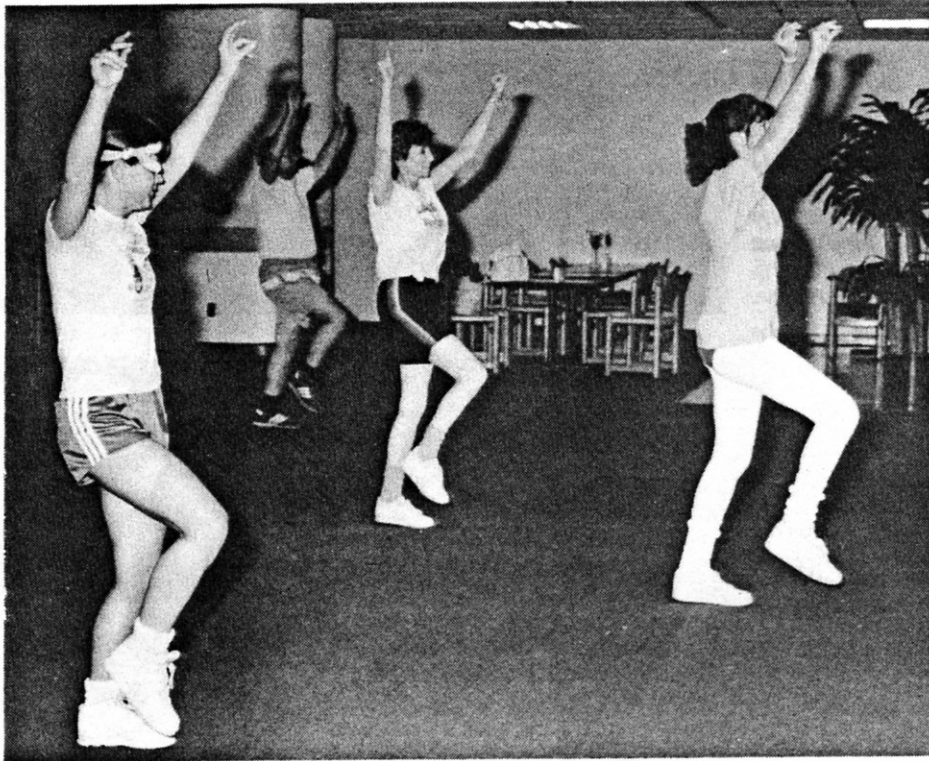
Classes taught at the Lab can be easily adapted for both high and low impact preferences, and both styles can provide the same amount of cardiovascular workout when done properly. (In low impact, one

foot is always on the floor; high impact involves more jumping around.)

Powell admits that as in most new things, it's the getting started that is the hardest. To make the beginning a little easier, the first class is free, which even further reduces the excuses you have not to join. Need more convincing? Connell says that above all, "We have a lot of fun!"

Summer classes are Mondays and Thursdays at 5:15 p.m. The monthly charge is currently \$32. Beginning in September classes are held three times a week. There is a \$40 per month charge for unlimited classes or a \$5 per class fee. For more information call Sally Connell at extension 2689.

— E. W.



Molly Tompkins, George Christianson, Sally Connell, and professional instructor Kathy Karback, are among the regulars at the bi-weekly aerobics classes at the Laboratory.

Photo: John Peoples

those at the Body Center are taught structured routines which change every eight weeks. The benefit of repetition, Powell explained, is that once a student knows the

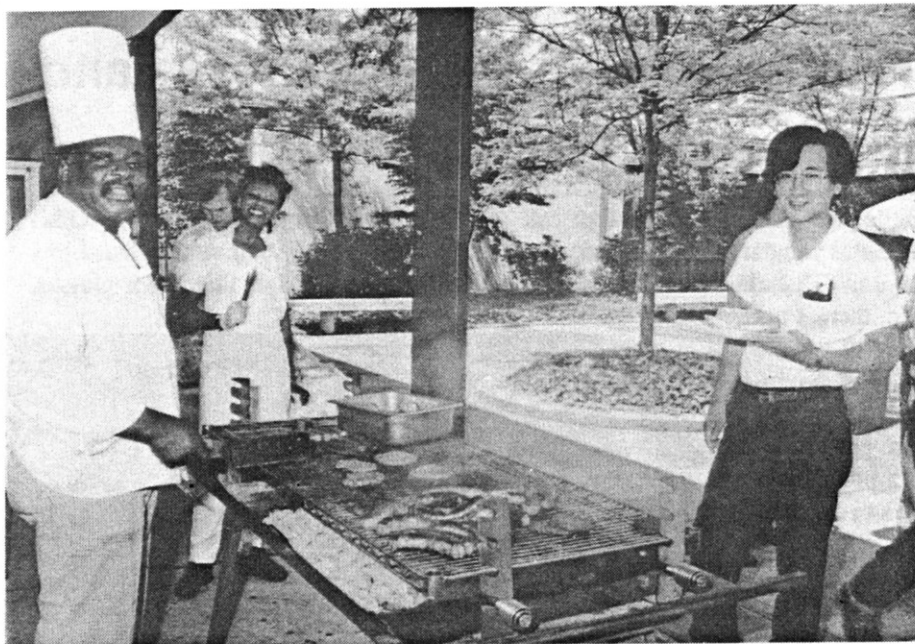
... as in most new things, it's the getting started that is the hardest. To make the beginning a little easier, the first class is free ...

routine, they can then focus on working certain muscle groups rather than keeping

What's Happening at PPPL?

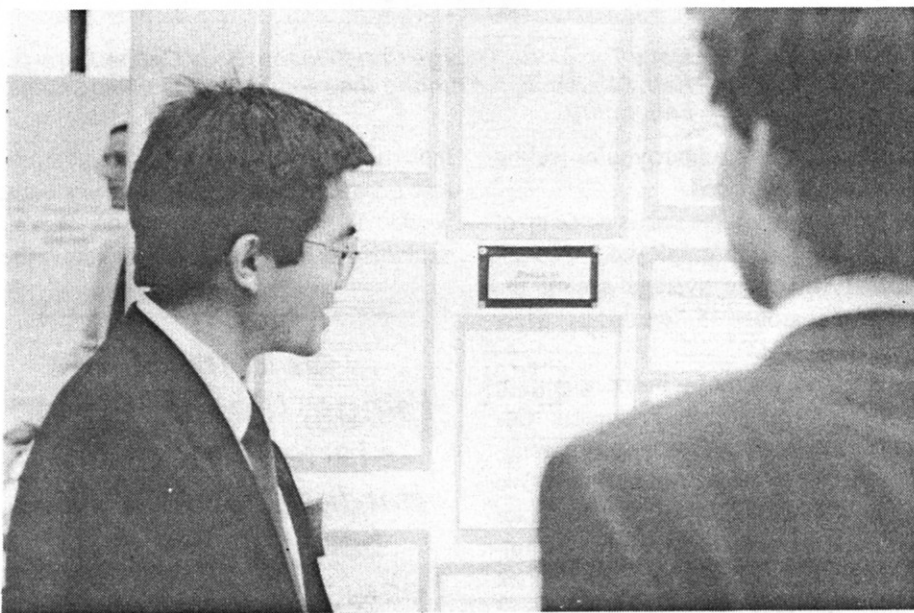
For two sunny weeks the smells of a summer barbecue could be detected throughout the Lab. While renovations were going on inside, the cafeteria was moved to the courtyard. Clarence King and Cynthia Stoddard kept the grill full for employees such as Yoshi-mori Kusama.

Photo: John Peoples



At a dedication party for the New Engineering Wing (NEW), Bob Kress (right) shakes hands with the main design architect from United Engineers and Constructors in Philadelphia, John Holz (left).

Photo: John Peoples



PPPL physicist Joe Cecchi recently hosted the yearly review meeting of New Jersey's SEMATECH Center of Excellence (NJSCOE) for Plasma Etching. Participants displayed summaries of their work on posters in the LOB Lobby. Members of NJSCOE are Princeton University, Rutgers, the New Jersey Institute of Technology, Stevens Institute of Technology, and the SRI/David Sarnoff Research Center.

Photo: E. Webster

Notices

Meeting Planners

When planning meetings that affect food service (you anticipate extra people will be using the cafeteria) or maintenance (your meeting requires special set-ups or you need additional janitorial services), please contact the following supervisors and alert them of your group's plans: Jerry Williams or Wayne Robinson — maintenance; Olga Bernett and Joseph Hosonitz — cafeteria.

Engineering Refresher Course

The Greater Trenton Section of the American Society of Mechanical Engineers (ASME) is sponsoring a refresher course to begin in November for engineers interested in taking the Professional Engineering (PE) examination in April. Alfred Colabella (609-298-7000) or Alice Cleveland (609-275-5526) may be contacted for more information. William Johnson in PPPL Personnel (ext. 2052/2036) also has information as well as registration forms.

Upon satisfactory completion of the course, it is estimated that 85% of the

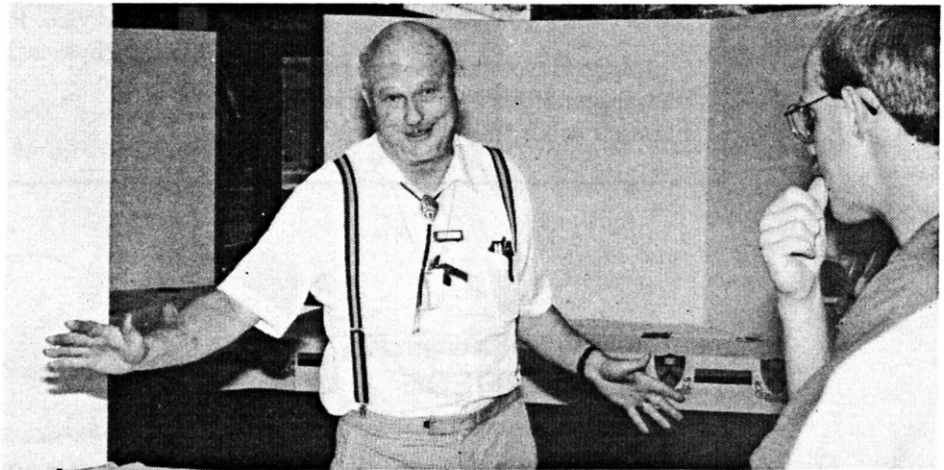
instruction costs (other than books and materials) is reimbursable through the University's Tuition Refund program.

New Controlled Area

Recent radiation surveys have determined that the TFTR basement is now a controlled area for purposes of radiological protection. Personnel working in this area, including the Tritium Vault and Upper DARM, are now required to wear a current monthly film badge. Call Health Physics at ext. 2600 for more information.

Visiting Groups:

Among the recent tours given of the Lab was one to a group of young scientists from the US, the USSR, China, Britain, India, and Brazil. The students were part of a 10-day International Summer School on Science and World Affairs held at Princeton University. The objective of the school was to help participants better apply science to public policy in their countries. Last year's session was held outside of Moscow.



German engineering students were recently treated to George Martin's animated explanations of the Lab's work.

Photo: E. Webster



Recently, business leaders from Forrestal Center and representatives from the NJ Sierra Club and Environmental Federation visited PPPL. Shown with Dale Meade (right foreground) are, left to right, Gus Conocente (Information Services, American Reinsurance), Miguel Fernandez (President, Carter Wallace International), Joe Rossiter (Building Engineer, First Boston), and Deborah Keller (Executive Director, NJ Environmental Federation).

Photo: John Peoples



Teachers with the Philadelphia Electric Co. toured the Lab.

Photo: John Peoples



The Woodrow Wilson School also brought teachers to the Lab this summer.

Photo: John Peoples

TRANSITIONS TRANSITIONS

New Assignments

Dan Kungl has been appointed to the position of Mechanical Engineering Division Head. Prior to this promotion, Kungl held the position of Head of Planning and Control for TFTR.

New Hires

Joseph Hosonitz is the new cafeteria manager. His last assignment was at Forrestal Arbor 600.

Retirements

John W. Grabourski retired after 13 years of service. He was an Electrical Planner in Administrative Operations.

Carl R. Oberman retired after 35 years of service. He was a Principal Research Physicist in the Theory Division.

CLASSIFIEDS

FOR SALE

'84 Dodge Daytona

Turbo, 5-speed, leather interior, 34,000 miles. \$2,500 or best offer (OBO). Marilyn, ext. 2656

Sewing Machine

Kenmore deluxe portable sewing machine. Like new. \$350 OBO. Rich Alexander, ext. 3515.

Grill

Jenn-Air electric cook-top/grill-30 with ceramic module. \$300 OBO. Fred, ext. 2173.

Clothes

Girls clothes, size 3, and women's clothes, size 6. Like new. Best offer. Carol, ext. 3529.

Summer Sale

Wood Record Cabinet, \$20; Wood & Glass Decorative Shadow Boxes (3), \$30/set; Electric Blanket (queen, like new), \$50; Electric Broom, \$10; Tiffany Lamp (must see), \$150. Daren Stotler, ext. 2063.

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On request, ads will be run in two consecutive issues. Call extension 2757 or send back this coupon indicating your name, the item, and price.