

AT&T Gives \$5,000 to Science on Saturday

Money Used for Buses to Bring Trenton Youth to Lectures at Laboratory

Last winter, PPPL's Larry Lakin let his fingers do the walking and came up with \$5,000 to make the Science on Saturday lectures more accessible to Trenton high school students.

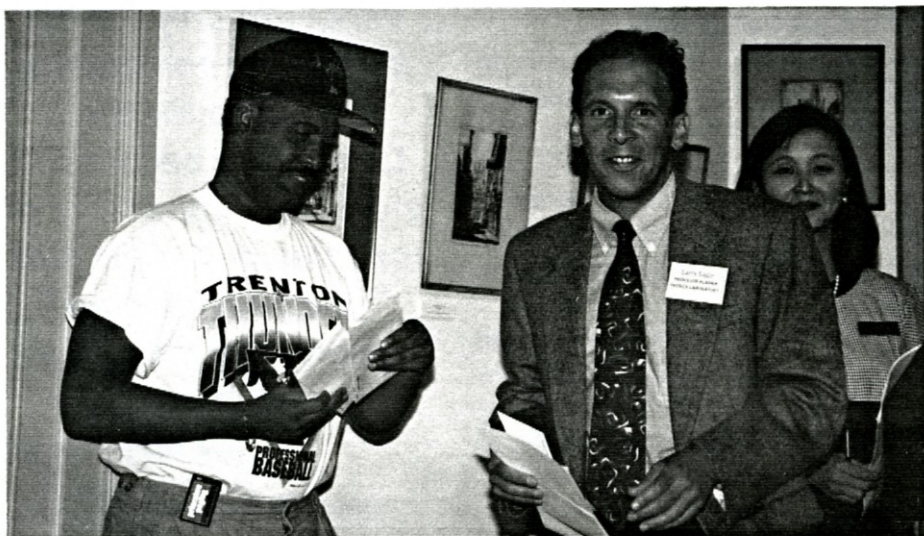
"I made a blind call to an AT&T Bell operator and said I was looking for funding," recalled Lakin, who, along with Norton Bretz, organizes the Science on Saturday program at PPPL. "After about ten phone calls to various people at AT&T, I was hooked up with the company's Public Relations Department."

Public Relations employees told Lakin they were looking for projects to fund that would have a long-lasting impact in the lives of disadvantaged youngsters. Through correspondence, Lakin set out to get funding for the Science on Saturday program, including money to provide transportation for Trenton students to the Lab for the series. Then he waited, hearing nothing from AT&T from December until June.

Calls Paid Off

But, by July, he knew that his winter calls had paid off when he was handed a \$5,000 check. The Laboratory was one of eight non-profit agencies working on behalf of Trenton youth who received a total of more than \$70,000 from AT&T during a presentation ceremony at Ellarslie Museum. The presentation was attended by Trenton Mayor

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PPPL's Larry Lakin receives a \$5,000 check from AT&T for the Science on Saturday program at the Lab. From left are Trenton Mayor Douglas Palmer, Lakin, and Suzanne Chung Park, of AT&T. Palmer was attired for a Trenton Thunder event.

ITER Appoints New Director

The governing body of the International Thermonuclear Experimental Reactor (ITER) recently appointed Dr. Robert Aymar as ITER's new director. Dr. Aymar replaces Dr. Paul-Henri Rebut, who resigned in July.

Dr. Aymar, whose appointment is effective immediately, had been Director for Physical Sciences at France's Atomic Energy Commission (CEA). Earlier, he headed the Tore Supra Tokamak Project at Cadarache.

Officials of the international fusion project also changed the project's management structure by creating the new high-level position of Administrative Officer. Dr. Robert Iotti, who was Vice President of Nuclear Services and Advanced Technology for Raytheon Engineers and Constructors,

Inc., Ebasco Division, has accepted the post. As Administrative Officer, Dr. Iotti will be responsible for the day-to-day management of ITER's design effort and will report to the Director.

Commented PPPL's Dr. Paul Rutherford, Chairman of the ITER Technical Advisory Committee, "I do not expect any major change in the physics and machine parameters which characterize the present ITER outline design, although the engineering approaches, together with the associated R&D programs, may evolve somewhat under the new Director."

ITER is an international collaboration on the \$1 billion effort to design a fusion experimental power reactor. ITER includes the U.S., Japan, European Union, and Russia. ●

AT&T

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Douglas Palmer, representatives from the Governor's office, several AT&T employees, and the recipients, including Lagin and Bretz.

Upon receiving the check, Lagin described the Science on Saturday program to the audience and explained how the check would be used.

Transport Students

Said Lagin, "It will primarily go for two buses every weekend to transport students, parents, and teachers from Trenton to PPPL for the Science on Saturday series in 1995." Some of the money will also go toward refreshments for the youngsters.

The funds for the grants came from fees that AT&T employees received when they were in advertisements for the company several years ago. The employees had agreed to set aside their earnings for philanthropic purposes. Among those employees in the ads who was contributing his fees was Joseph P. Nacchio, AT&T's lead executive in New Jersey.

"Earlier this year, AT&T decided to target these grants to Trenton because of its importance as the capital city of New Jersey and to address some of the unmet social needs in the city. We looked for innovative projects that would have long-lasting impact in the lives of disadvantaged youth," said Nacchio.

"I think it's a good thing, not only for the kids in the community but also for the Laboratory because it gives us another way of reaching out to the kids and providing an opportunity they might not have."

—Larry Lagin

The AT&T grants will fund programs that focus on increasing accessibility and availability of social services and educational opportunities for Trenton youngsters. Ranging from \$5,000 to \$12,500, the

grants will support new initiatives such as innovative programming for the four Safe Haven sites in Trenton, as well as continued support for some existing projects. In addition to PPPL, recipients of this year's grants are Isles, Inc.; Martin House; Princeton Center for Leadership Training; Rider College; Trenton Roebbling Community Development Corporation; Union Industrial Homes; and Young Scholars' Institute.

Reaches Out

Lagin, noting that Bell Labs provides several speakers for the Science on Saturday series, said he believes the grant to PPPL will benefit students from Trenton. He recalled a summer student from Trenton at the Lab some years back who was unable to attend the Science on Saturday program because of lack of transportation.

"I think it's a good thing, not only for the kids in the community but also for the Laboratory because it gives us another way of reaching out to the kids and providing an opportunity that they might not have," said Lagin. ●



Employees Larry Lagin (left) and Norton Bretz at the AT&T ceremony.

HOTLINE

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Facilities Department Takes Care of Property

As the “stewards” of Department of Energy (DOE) property, the Facilities Engineering Division (FED) is responsible for maintaining PPPL facilities. The FED’s main tasks involve ensuring that property meets safety standards and is preserved in the most cost effective manner.

“There are different strategies within the DOE complex, one of which is research in fusion energy at PPPL,” said J.W. Anderson, Head of the Lab’s FED. “But another one of DOE’s major considerations is that it has a large investment in the Laboratory, which includes hundreds of millions of dollars worth of facilities. PPPL is responsible for being the ‘steward’ for all these facilities.”

Colors of Money

That’s why the Division is continually maintaining and improving spaces by installing new stairwells, upgrading offices and parking lots, and overseeing new construction.

Anderson noted that there are different DOE funding sources that pay for different types of improvements at the Lab. “Many people typically refer to these different funding sources as ‘colors of money,’” he said.

For instance, the Division has an operating budget of \$7.5 million, which pays for routine maintenance and utilities. In addition, there are different DOE funding “pools” for General Plant Projects; Safety and Fire Protection Improvements; Waste Management Projects; and Energy Management Projects. Anderson added that each pool must be used for projects that are within its category although some complex projects may be funded by several sources.



Workers pave one of the PPPL parking lots.

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—J.W. Anderson

The large exit stairwells in several buildings came out of the Safety and Fire Protection Improvements Budget of more than \$4 million. Environmental projects such as adding a plastic liner to the retention basin is being funded through the Waste Management and General Plant Project Budgets. Energy Conservation activities are funded by the Field Management Budget, which covers improvements that will save the Lab money in heating

and electrical bills. Such improvements include the installation of thermal doors, high-efficiency lights, and variable speed motors for equipment.

Immediate Benefits

Some improvements offer immediate benefits to employees while others pave the way for future projects. Safety improvements and fire protection systems would fall into the category offering immediate benefits, while evaluating the facility infrastructure and upgrading facility systems and buildings for the construction of the Tokamak Physics Experiment would fall into the latter.

Anderson said representatives from various Laboratory departments provide FED with requirements and requests for projects. The Division then evaluates the requests and makes priority recommendations to the Technical Resources Committee, of which Engineering Department Head Mike Williams is Chairman.

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Facilities

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Currently there is a plan that includes approximately \$12 million worth of projects over the next six to eight years, according to Anderson.

“As is quite often the case, our desire to make facility improvements exceeds our budget so priorities must be established. Of course projects that address ES&H concerns must be taken care of first.”

—Mike Williams

Said Williams, “As is quite often the case, our desire to make facility improvements exceeds our budget so priorities must be established. Of course projects that address ES&H concerns must be taken care of first.”

Recommendations for facility improvements can be directed to J.W. Anderson. ●

Past, Present and Future Laboratory Projects

Upcoming Projects:

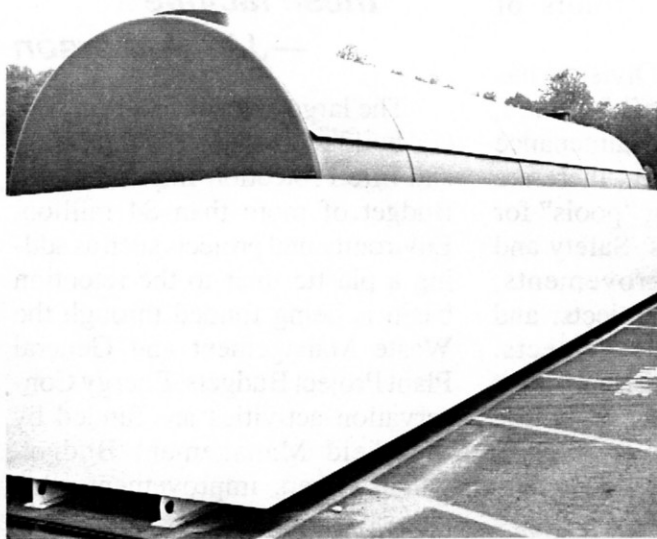
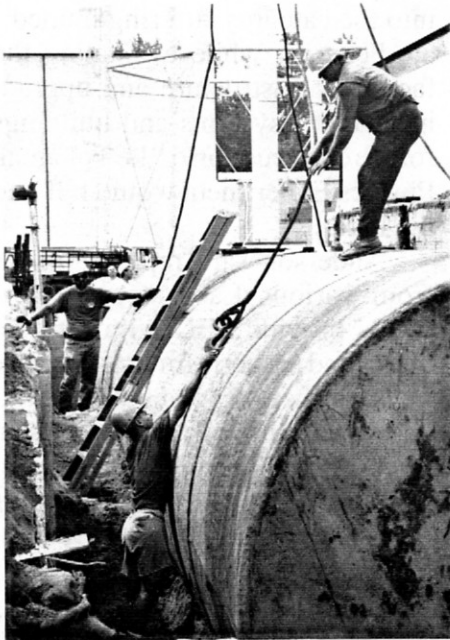
- Installation of New Liner at the Detention Basin
- Paving Some Areas around D-Site
- Construction of the Radioactive Waste Storage Building
- Upgrading Emergency Evacuation System
- Upgrading Auditorium and Lobby Areas

Current Projects:

- Construction of the Hazardous Materials Storage Facility by the Health Physics Calibration Lab
- Installation of New Fuel Tanks
- Installation of the Computer Communications Network

Recently Completed Projects:

- Construction of Personnel Module VI (ES&H and ER/WM)
- Installation of New Stairwells and New Sprinklers
- Roadway Improvements, including Paving the Lower Parking Lot
- Installation of Heating, Ventilating, and Air Conditioning Smoke Detectors at TFTR.



In the photo at far left, workers prepare the rigging for lifting out the old underground storage tank. The storage tank, which stored fuel oil, has been replaced with a new 20,000-gallon, above ground storage tank. In the second photo is the new, above-ground storage tank that has recently been installed behind the Lab's Steam Plant. Financing the removal of the old tank comes from the ER/WM budget, while the installation of the new tank comes from GPP money.

Lab's McCune Finishes 572-Mile Bike Ride

PPPL computational scientist Doug McCune tackled "killer hills," conquered 572 miles of road, and watched the sun rise over farm fields as he participated in the 16th Annual Ride for Runaways in July. McCune was among 168 bicyclists who rode from North Carolina to New Jersey to raise money for Anchor House, a shelter for troubled children in Mercer County.

"It was hard," said McCune of the week-long ride. The cyclists road about six hours each day, covering between 70 and 95 miles. McCune said he promptly learned to be on his bike every morning around 5:30 a.m. to ride when it was cooler.

Day four was the most difficult leg of the trip since it included hilly roads from Virginia to Maryland, recounted the



PPPL'er. McCune said the ascents were made easier by the encouragement of his fellow bicyclists. "It would have been a lot harder to do alone," he added.

McCune said the heat and the hills were tempered by a sense of cooperation among the riders and their wish to help Anchor House children. "The spirit of the ride was incredible," said the bicyclist. "Everyone was on vacation and doing what they like to do — cycling — while helping youngsters at Anchor House."

The bicyclists raised about \$280,000 for Anchor House. The total amount included approximately \$1,500 from PPPL'ers who sponsored McCune.

Before the group reached its final destination of Quakerbridge Mall, it stopped at Hopewell Valley



McCune cycles on the Ride for Runaways. He was among 168 cyclists who rode to raise money for Anchor House. (Both photos, which were taken on the charity ride, are by McCune's fiancé, Susan Jefferies.)

High School for a picnic. From there, the riders enjoyed a police escort to the mall, as well as cheers from well wishers along the way. "It was just great. It was a wonderful experience," said McCune. "I'm going to do it again next year when the Charity Ride starts in Maine." ●

TRANSITIONS

Births

Congratulations are in order for **Richard Gallagher** and his wife, on the April 23 birth of their baby daughter, Casey. Gallagher works in the Facilities Engineering Division.

Retirements

Tsu-Kai (T-K) Chu, a Physicist in the Research Department, retired on October 31. Chu had been at the Laboratory since 1966.

J. Dale Herron, a Staff Engineer in the Power Engineering Section, retired on June 1. He had been at the Lab for 19 years.

Eleanor Schmitt, a Benefits Coordinator in Human Resources, retired on June 1 after 28 years of service at PPPL.

In Memory

Nicholas Costa, who recently retired as a Sergeant in the Emer-

gency Services Unit, died on February 22. He worked at the Laboratory from 1974 to October of 1993.

Jean Henderson, a Technical Associate at the Lab from 1959 until her retirement in 1986, died on May 25.

Gail Jimson, a Staff Assistant in the Accounting Division, died on May 4. Jimson had been at the Lab since 1986.

Jim Scott Receives DOE Award

PPPL Hazardous Materials Manager James Scott recently received a "Certificate of Appreciation" from the Department of Energy (DOE). The DOE's Office of Environmental Guidance awarded Scott for providing support and comment on several pending environmental regulations, particularly concerning hazardous waste and mixed waste regulations.

Laboratory Director Ronald Davidson presented the "Certificate of Appreciation" to Scott in July. Also on hand for the presentation, which was held at PPPL, was Scott Larson, the Head of Environmental Restoration and Waste Management at the Laboratory.

Said Larson, "For me, it's very gratifying that the DOE recognizes the efforts of its contractors. Jim has worked very hard to give DOE the Laboratory's input on new and proposed regulations. Many of the environmental and hazardous waste regulations are very complex and have the potential for major impact on a site like ours, so accurate and timely review is very important."



From left are Laboratory Director Ronald Davidson, Jim Scott, and Scott Larson.



Bill Slavin, of the Lab's Environmental, Safety and Health Division, recently became a certified Industrial Hygienist. Slavin received notification of his certification from the American Board of Industrial Hygiene after he passed the Certified Hygienist Comprehensive Practice Exam.

HOTLINE depends on you for tips and story ideas. Dolores Lawson suggested the Jim Scott story and Sue Hill tipped off **HOTLINE** staff about Bill Slavin receiving certification.

The Robert A. Ellis, Jr. Memorial Lecture

*From Bouchet to Ellis:
100 Years
of Blacks in Physics*

by

Dr. Walter Massey

Provost and Senior Vice-President
for Academic Affairs
University of California

**Monday
September 12, 1994
at 4:15 P.M.**

Princeton University
Plasma Physics Laboratory
Melvin B. Gottlieb Auditorium