

Wrap-Up**PPPL Meets Consolidation Deadline**

Bob Smart, PPPL General Manager of Facilities, "hands over the keys" for A- and B-Sites to Lou Pizzarello, Princeton University's Manager for the Forrestal Campus. (Photo by Ed Farris)

Year-long consolidation efforts were brought to a successful conclusion when A- and B-Sites were officially returned to the University after the final walk-thru by Laboratory, Department of Energy (DOE), and Princeton University officials.

Acknowledging the hard work and cooperation by everyone, Jack Joyce, Chairman of the Laboratory Oversight Committee in charge of consolidation activities said, "We simply couldn't have accomplished this seemingly impossible task if it hadn't been for the sincere cooperation and teamwork demonstrated by everyone at every step of this

undertaking. Extraordinary efforts were made by all."

Plant Maintenance, Telecommunications, and Materiel Control in the Administration Department along with all divisions in the Engineering Department were the Laboratory units that had primary responsibility for the relocation of staff, the renovation and modification of space, and the dispersion and moving of material and equipment. Commenting on the year's activities, Bob Smart, General Manager of Facilities, said:

"During the past year, over half of the people at PPPL were moved and our physical

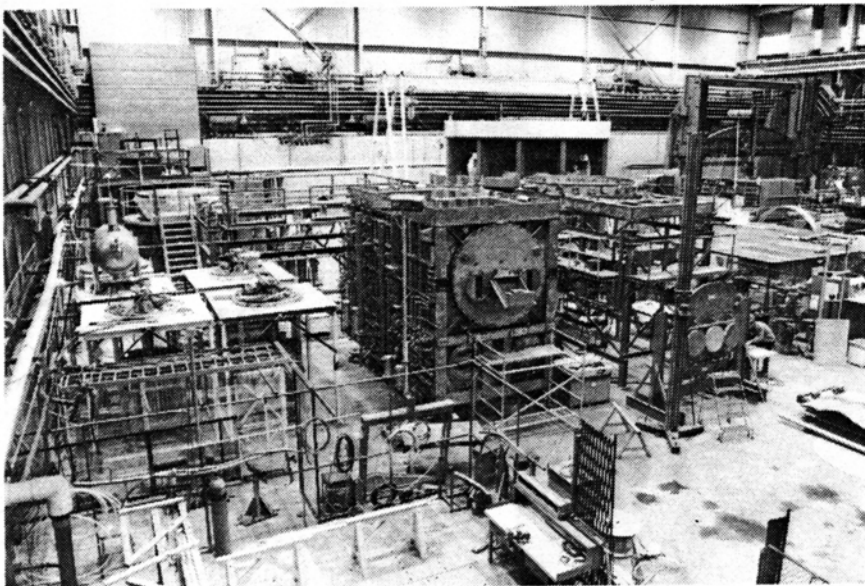
space was reduced by one-third. This was accomplished while maintaining a full schedule of programmatic and support activities. The teamwork, cooperation, and understanding shown by everyone -- the movers and the movees -- were fantastic.

Of course, in my position, I was especially close to Plant Maintenance and Telecommunications Office efforts. Whether it was moving trailers in the mud and rain of January, fixing over an office on short notice in March, packing up someone's lab on a hot, humid August weekend, or making the third change to someone's 'final' telephone plan, I saw nothing but a hearty 'can do' spirit. And they did do it! I also want to acknowledge the support of the PPPL safety offices and the truly outstanding efforts of the Materiel Control organization, who managed the final move-out of what seemed to be 'mountains' of leftover materials.

Needless to say, 'they' could not 'have done it' without the full support of DOE, Main Campus, and a wide range of PPPL administrators who funded, purchased, delivered, and paid for critical materials and labor.

I do want to thank everyone for their help and patience over the past year."

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The 1-H building was the depository of large machines and miscellaneous equipment which has been relocated to the new High-Bay Shop at C-Site. (Photo by John Peoples)



A solitary figure surveys the now empty 1-H building. (Photo by Ed Farris)

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Reflecting on this past year's efforts, both Connie Stout, Head of Plant Maintenance, and Chris Gillars, Head of Materiel Control, felt that the hard work, long hours, total commitment, and cooperation shown by their staffs were the major factors contributing to the successful, on-time completion of the consolidation activities.

Major contributions by Engineering Department personnel, both as movers and movees, complimented and supported Administration Department efforts.

Engineering Department vacuum and coil shop technicians were responsible for the move of their respective shops to the new High-Bay building. This was complicated by the

fact that the new area was much smaller -- only one-quarter the size of the old.

Of the many office moves over the year, the biggest took place in late September. Approximately 240 engineering and support staff were relocated to 307 College Road. Here, engineering personnel played a lead role in helping to identify space requirements, in developing office layouts, in allocating space, and in resolving the myriad of problems associated with the detailed planning of the move itself.

Don Knutson, Deputy Head of the Mechanical Engineering Division, said, "In spite of the overall reduction in area, and in spite of the few remaining 'punch list' items requiring completion, I feel that most people are pleased with their accommodations -- the interior of the new building is modern and pleasant, the exterior landscaping attractive, ample parking exists, and the new cafeteria is conveniently located. Picnic areas and hiking paths complete the amenities. Perhaps more importantly, however, is the ease of communicating with other engineering divisions, and the advantages of having so many of the support groups under the same roof."

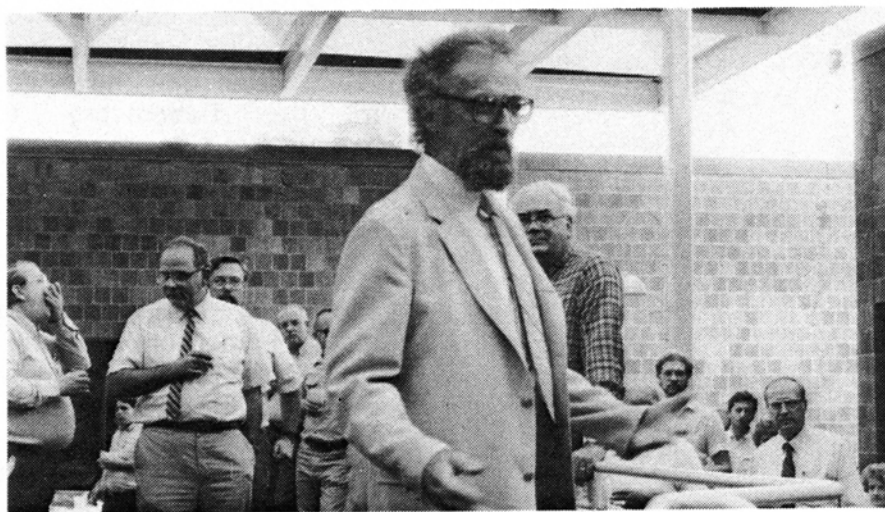
PPPL's efforts have been recognized. High praise has been received from the PPPL Advisory Council (which reports to President Bowen) regarding the successful handling and on-time completion of the consolidation efforts and from the Office of the Assistant Secretary for Energy Research (after a recent site review by Mr. Decker, Office of Energy Research). PPPL can feel proud of a job well done.



A new High-Bay Shop was built at C-Site to house heavy equipment and large shops formerly located at A- and B-Sites. (Photo by Ed Farris)



Office space at 307 College Road was leased to house staff from the Engineering Department, CIT Project, and Procurement.



Dr. Furth officially christens the new offices at 307 College Road. (Photo by Carol Phillips)

Creative Financing's the Key to FEB

Now that everyone is neatly ensconced at College Road, plans are being made to bring them all back to C-Site. Back, it is hoped, within three years. "And," according to Bob Smart, Chairman of the Laboratory's working group responsible for putting together the proposal for the new Fusion Engineering Building (FEB), "this will require a lot of very difficult approvals."

As presently conceived, the FEB would be four stories high and would provide approximately 60,000 sq. ft. of additional office and light laboratory space. It would be located next to the Laboratory Office Building (along its western edge) and in front of the A-Wing (see diagram).

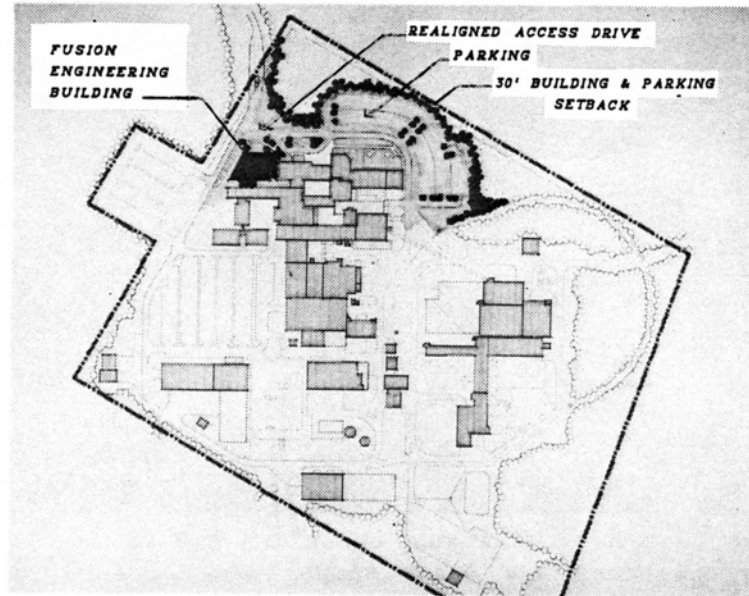
As part of the Laboratory consolidation plan initiated in September 1986, PPPL submitted a proposal for the FEB to the Department of Energy (DOE) for line-item approval and funding in FY89. "But, recognizing extreme difficulty in obtaining Congressional approval for this type of construction, PPPL has since been advised to explore other means of acquiring such a facility," Bob said.

Discussions with the University have been started to explore the possibility of a third-party funding arrangement. As proposed, Princeton University would arrange financing, then design and construct a suitable building for use by PPPL. The government would pay for the building through a mortgage. A ten-year amortization is being (continued on next page)

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considered; this would be comparable to expected rental payments at College Road. Once amortized the building would belong to the government.

PPPL and the University plan to present their proposal to DOE in the next few weeks. If all goes well, and PPPL is successful in gaining approval for a very sensitive financial plan, maybe Laboratory staff members can be united in as few as three years.



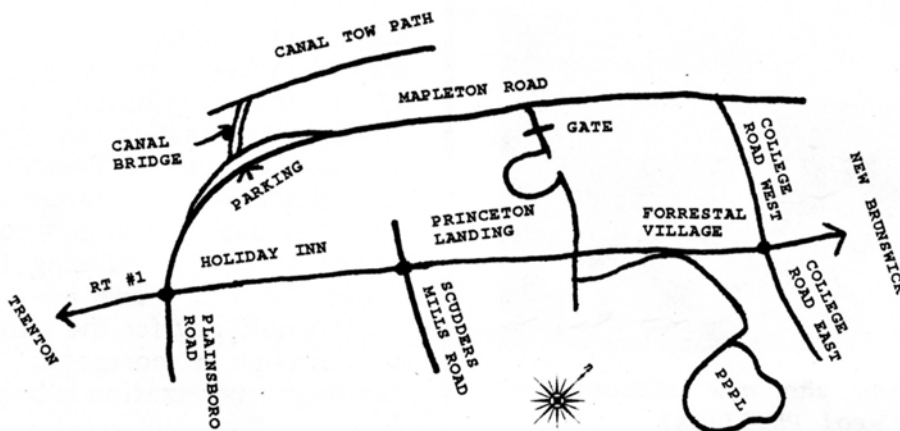
Bob Smart, David Ignat, and Don Monticello (front to back) are just a few of the many PPPL employees who were instrumental in making this bridge a reality. (Photo by Ed Farris)

Eight Years Later . . .

A bridge across the Delaware and Raritan (D&R) Canal has finally been completed since the idea was first placed before the D&R Canal Commission by PPPL employees some eight years ago.

The bridge is located at the Millstone River viaduct off Mapleton Road behind the Holiday Inn. This bridge enables walkers, joggers, and bicyclists to cross over from the D&R canal tow path to Mapleton Road. By using Mapleton Road (be careful!) and the rear gate at Princeton Landing, you can now get from the Laboratory to Princeton and the other communities along the tow path, without traveling along Route 1.

At this time, PPPL is working with the Princeton Forrestal Center and Princeton Landing to develop a better route between the Laboratory and the bridge that would avoid use of Mapleton Road. Any suggestions for a safe alternate route should be passed to Bob Smart, ext. 2652, LOB B332.



In Focus

More than 300 employees welcomed "in Focus" on October 14th, as the video view of life at PPPL made its debut.

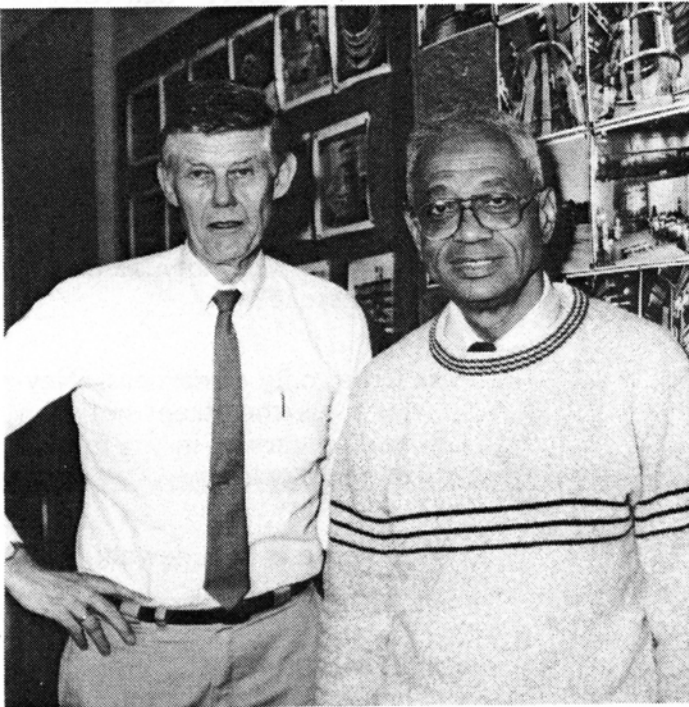
According to Production Manager Ed Farris, "The show is another way to communicate among employees." Information Services Head Tony DeMeo said, "The video also highlights various areas of the Laboratory so that we all have a better understanding of the work we all do and the contributions of each of us to the overall goals."

The premiere featured the 307 move, the C-Site Machine Shop, and the Laboratory's growth.

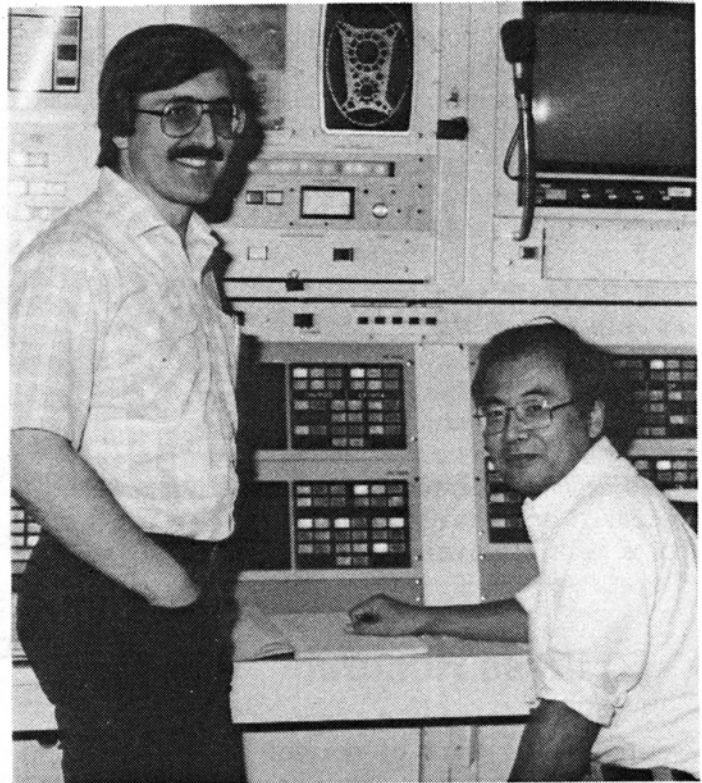
Information Services plans a second segment to be shown in December.



To improve communication with employees, Jim Clark, Deputy Director for Administrative Operations, has started meeting informally with small groups of randomly selected employees from Administrative Operations. "Listening to their concerns in a small group setting opens the door to better two-way communications and provides me the opportunity to meet each employee and discuss Laboratory developments and concerns," he said. The round table meetings respond to needs identified by the Employee Opinion Survey conducted last year. (Photo by Ed Farris)



Bob Ellis, Jr. (right) will replace Kees Bol (left) as Head of Experimental Projects and member of the Laboratory Council when Kees retires on December 31. During the transition period beginning October 1, Bob will serve as Acting Deputy Head of Experimental Projects. (Photo by John Peoples)



On October 1, Michio Okabayashi (right) and Ray Fonck (left) became the new Head and Deputy Head of PBX-M, respectively. (Photo by John Peoples)



File to Head Technology Transfer Program

Dr. Joe File has been appointed full-time manager of PPPL's Technology Transfer Program. He will be assisted by Drs. Joe Cecchi, Dan Jassby, Bill Langer and Milt Machalek, who will serve as part-time staff members.

Dr. File's group will provide information about laboratory-developed technologies to private industry and to state and local governments, and will seek to develop cooperative efforts with these groups, possibly involving funding of limited work at PPPL.

The Program was established in response to the Stevenson-Wydler Technology Act (often referred to as the Technology Transfer Act) which requires that new technologies developed by government-funded research and development efforts be made available to the private sector.

Retirees Honored

Six PPPL employees, representing 130 years of service to the Laboratory, were recently honored at a wine and cheese reception.

The retirees included:

Francis Dodd
Kenneth LeBon
Americo Mariconi
Robert Mills
Ann O'Day
Anthony Petryshin
T. Robert Thome

PPPL and their friends wish them well upon their retirement.

For Sale

FOR SALE: 1977 Toyota Corolla Delux. Five-speed manual trans, many new parts, 75,400 mi. \$1,050. Call Tony, ext. 2755.

FOR SALE: Custom truck cap, "standard size" for Nissan truck. Insulated with interior light, crank-out windows, sliding front window. Beige and brown. One and one-half years old. New \$464. Firm \$200. Call Linda, ext. 2090.



Common Sense: A Guide to Halloween Safety

Children and adults alike look forward to Halloween, the holiday that allows us to escape the mundane and step in-

to a fantasy world. From tiny ghosts and goblins to grotesque gorillas, from ballerinas to belly dancers, everyone gets into the act on the last day of October.

Halloween falls on a Saturday this year -- the best time for trick-or-treating and the most dangerous for children and motorists. Below are some common sense safety tips to help you and your children enjoy a safe and happy Halloween night:

- Try to trick-or-treat when it is still light outside.
- Have a parent or older brother or sister go trick-or-treating with you. If this is not possible, go with a group of children.
- Wear a costume that is light in color. Use reflective tape on costumes so people driving cars can see you.
- A face mask makes it difficult to see. Take off your mask before crossing a street. Why not use make-up instead?
- Cross only at corners. Never cross the street between parked cars or in the middle of the block.
- If there is no sidewalk, walk facing traffic.
- Trick-or-treat only at houses with lights on.
- Wait until you get home to eat your goodies. Have a parent check them over first.

Colloquiums

A series of colloquiums are given each year from September to June. They are held on Wednesday at 4:15 p.m. in the MBG Auditorium, unless otherwise noted. The colloquiums for November and December include:

Stirling Colgate from the Los Alamos National Laboratory,

will present "Hydromagnetic Jets from Accretion Disks around Black Holes: The Explanation of SS433 and AGN Radio Lobes," on Tuesday, November 17th.

Rinald Löhner, from the Naval Research Laboratory, Washington, D.C., will present a colloquium on November 25th.

Jim Gleick, from the New York Times, will present a colloquium on December 2nd.

Edwin Salpeter from the Department of Physics and Astronomy, Cornell University, will present "SDI and the American Physical Society Report on DEW," on December 14th.

Safety Training Courses

The Occupational Safety Branch has scheduled the following safety training courses for November:

<u>Course</u>	<u>Date/Time/Location</u>
ASC Training/Meeting	04 November, 9:00-10:00 a.m. LOB Auditorium
	or
	11 November, 1:00-2:00 p.m. LOB Auditorium
PCB Handling/Spill Response	05 November, 9:00-11:00 a.m. Safety Training Trailer
Office Safety	10 November, 2:00-3:00 p.m. Safety Training Trailer
Radiation Safety Training	17-19 November, 1:00-4:30 p.m. D-Site Training Trailer, D41-5
Eye Protection	19 November, 1:00-2:00 p.m. Safety Training Trailer
Basic First Aid	24 November, 8:30 a.m.-12:00 noon Safety Training Trailer
Back Injury Protection	25 November, 1:00-4:30 p.m. Safety Training Trailer

Employees must obtain permission from their immediate supervisor to attend these classes. Supervisors should call Mary Ann McBride at ext. 3468 to enroll their employees.

Basic Safety for new employees is offered every Monday afternoon at 1:30 p.m. in the Safety Training Trailer.

CPR is offered every Tuesday at 9:00 a.m. in the Safety Training Trailer. Contact Mary Ann McBride, ext. 3468, to enroll.

Meeting Calendar

November 1987

- 02-05 **34th National Vacuum Symposium and Topical Conference**, Anaheim, CA. Contact: Marion Churchill, American Vacuum Society, 335 East 45th Street, New York, NY 10017
- 02-06 **Meeting of the Division of Plasma Physics of the American Physical Society**, San Diego, CA. Contact: Mr. I. Alexeff, Electrical Engineering Department, University of Tennessee, Knoxville, TN 37916.
- 02-20 **IAEA International Tokamak Reactor Workshop (INTOR)**, Vienna, Austria. Contact: Mr. M. Leiser, Head Physics Section, Division of Physical and Chemical Sciences, International Atomic Energy Agency, P.O. Box 100, A-1400 Vienna, Austria.
- 09-12 **32nd Annual Conference on Magnetism and Magnetic Materials**, Chicago, IL. Contact: J.T. Scott, American Institute of Physics, 345 East 47th Street, New York, NY 10017. (212) 705-7895
- 16-20 **IAEA Technical Committee Meeting on RF Heating and Current Drive**, Moscow, USSR. Contact: Mr. A Shurygin, Physics Section, Division of Physical and Chemical Sciences, International Atomic Energy Agency, P.O. Box 100, A-1400 Vienna, Austria.

December 1987

- 07-09 **II European Fusion Theory Meeting**, Varenna, Villa Cipressi, Italy. Contact: Prof. E. Sindoni, Dipartimento di Fisica, Universita di Milano, Via Celoria 16, I-20133 Milano, Italy
- 07-11 **10th International Conference on Lasers and Applications**, Lake Tahoe, NV. Contact: Lasers 87, P.O. Box 245, McLean, VA 22101. (703) 642-5835
- 12-17 **21st Mid-Year Meeting of the Health Physics Society: Power Reactor Health Physics**, Miami Beach, FL. Contact: Bruce Watson, Baltimore Gas and Electric, Calvert Cliff, Lusby, MD 20657. (301) 260-4981
- 14-18 **12th International Conference on Infrared and Millimeter Waves (MTT)**, Lake Buena Vista, FL. Contact: Kenneth Button, Box 72, Massachusetts Institute of Technology, Cambridge, MA 02139-0901; (617) 489-4353

January 1988

- 03-09 **Winter Conference on Plasma Spectrochemistry**, San Diego, CA. Contact: Dr. Ramon M. Barnes, Conference Chairman, Department of Chemistry, GRC Towers, University of Massachusetts, Amherst, MA 01003-0035. (413) 545-2294
- 14-15 **High Temperature Superconductivity**, Bristol, United Kingdom. Contact: R. Evans, Physics Department, University of Bristol, Bristol BS8 1TL, United Kingdom. (0272-303030)
- 10-15 **3rd Annual Technical Symposium on Optoelectronics and Laser Applications in Science and Engineering**, Los Angeles, CA. Contact: SPIE, P.O. Box 10, Bellingham, WA 98227. (206) 676-3290
- 19-21 **4th All-Union Conference on Engineering Problems of Fusion Reactors**, Leningrad, USSR. Contact: B.N. Zhukov, NII-EFA, Leningrad, 188631, USSR.

More comprehensive meeting listings may be found in Nuclear Fusion, Physics Today, IEEE Spectrum, and Communications of the ACM.

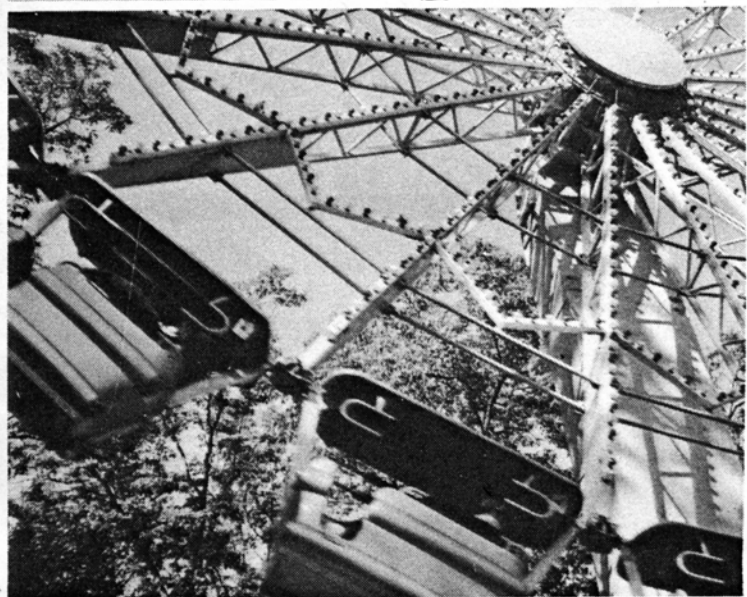
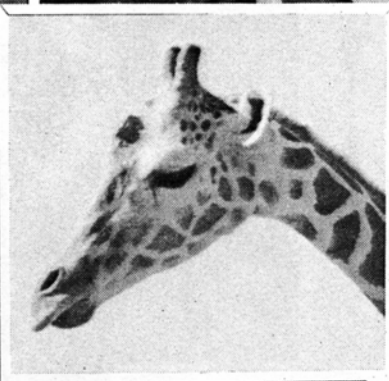
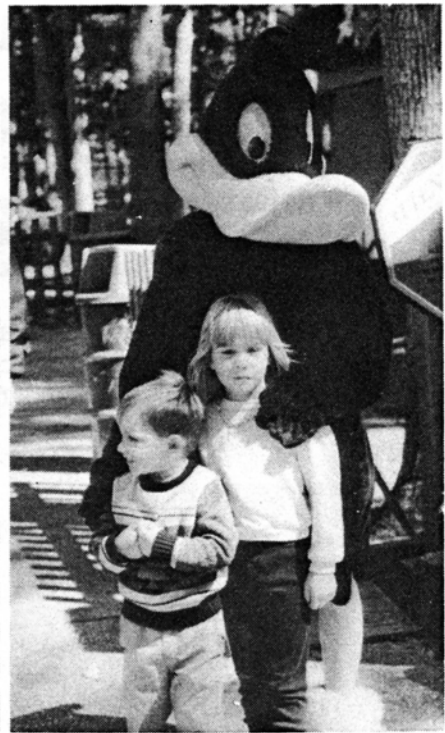
PPPL Picnic a Big Success

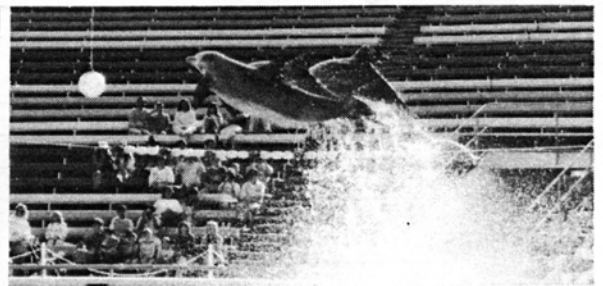
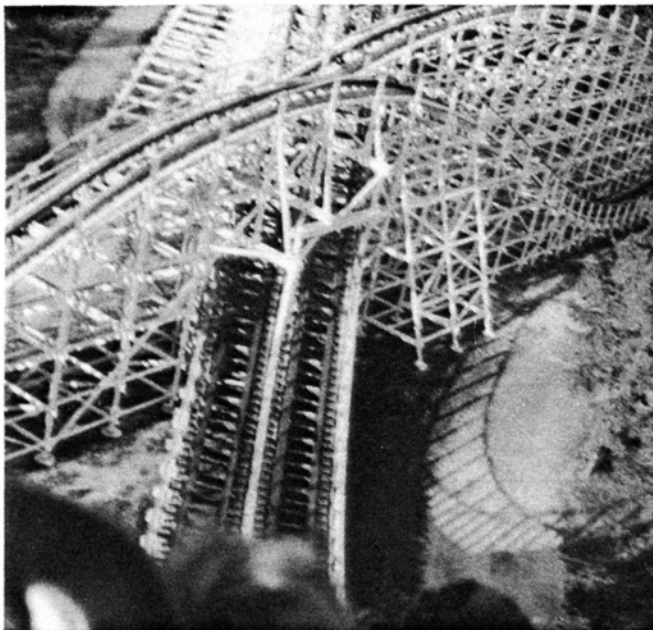
A brilliant fall day greeted the 500+ PPPL staff, family, and friends who attended the Annual Picnic held at Great Adventure Amusement Park this year. Beginning at 10:00 a.m. and not ending until the Park closed at 8:00 p.m., employees were able to roam the park to participate in the rides and amusements, attend the shows, and tour safari land. At mid-day, a festive picnic lunch hosted by the Laboratory provided nourishment and a chance to rest weary feet and get together with friends.

"Wonderful. A great idea. A nice change." These were the comments heard most by this roving reporter and novice camera operator. Hats off to the PPPL Social Committee for conjuring up a new twist for the picnic and then for making it a reality. Thank you!

(Photos by Linda Fahner and Carol Phillips)







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Do you have some information that needs to be shared with your fellow employees? Would you like to publicize an upcoming event? Do you have something to sell? The HOTLINE staff welcomes input, suggestions for articles or features, and any other bits of information that is of general interest to our readers.

Complete the form below (be sure to include your name and extension), or call the HOTLINE Editor, ext. 2754. The HOTLINE needs to receive information two weeks prior to publication.

To: Carol Phillips
Editor, HOTLINE
B366
C-Site

From: Name: _____
Department: _____
Section: _____
Telephone: _____

Please provide enough information so that the HOTLINE Editor can follow up (names, dates, subject, telephone number, etc.):

Human Interest Story: _____

Milestone(s) Reached: _____

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Other: _____

Please pass this form on to others that are in positions to provide information.