

Brookhaven Bests Gloria

The Laboratory weathered last Friday's Hurricane Gloria well, with no storm-related injuries and relatively minor damage to the site. Lab-wide plans for emergencies such as this successfully went into action and helped minimize the mischief Gloria played. While businesses around Long Island were closed, BNL was open for business as usual on Monday.

Only one power line went down, leading to the Primary Sewage Treatment Plant, Bldg. 575, and was repaired immediately by the tower linemen of the Electrical Division of Plant Engineering (PE). The rest of the Lab had electricity throughout but experienced a few dips in power. Telephone service and water were uninterrupted, unlike at many employees homes. Those employees still without electricity and water continue to take advantage of the Laboratory's hot showers and the cafeteria's hot food.

Big Machines Fare Well

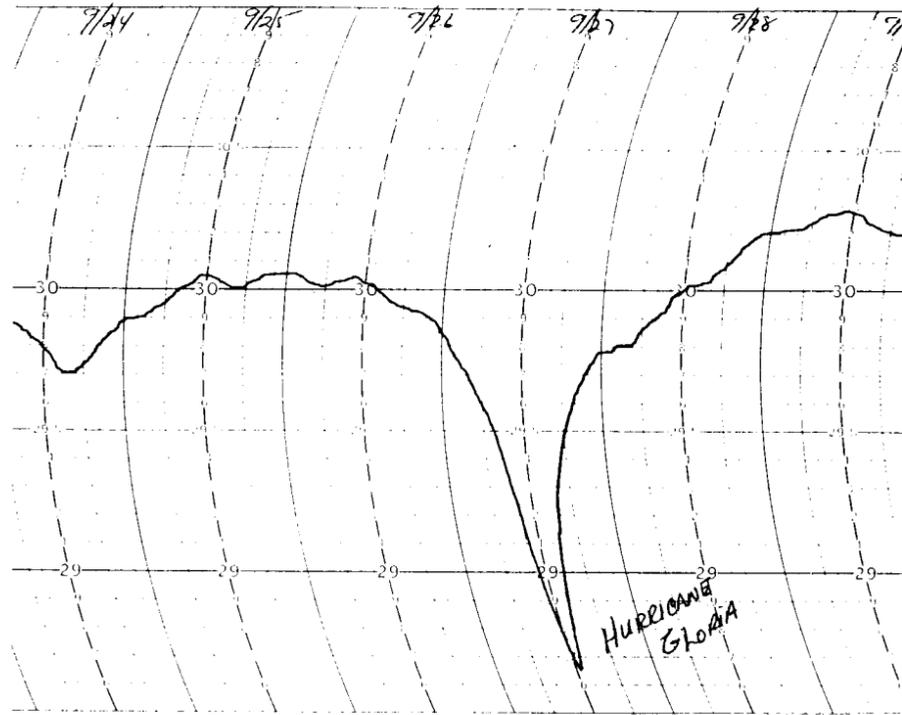
The Alternating Gradient Synchrotron and High Flux Beam Reactor had been routinely shut down for maintenance at the end of August and the middle of September respectively, so their major equipment and operations were not affected by the storm. The Tandem Van de Graaff was shut down at 8:30 a.m. Friday and was back in operation by 7:30 p.m. that evening, with no damage. "It just took time to get things back on," says Tandem Head of Operations Peter Thieberger. The computers at the Applied Mathematics Department (AMD) were turned off in case of power failure. "In hindsight, I would have left them running," says AMD Manager of Hardware Michael Losquadro Jr., "but I did not want to lose \$20 million worth of equipment had the power failed."

At the National Synchrotron Light Source (NSLS), the vacuum ultraviolet (VUV) ring fared better than the x-ray ring, and the computer system went down. Both rings, except for their vacuum systems, were shut down at 9 a.m. before the storm. "You have to leave the vacuum in the rings, or else their walls will be contaminated by gases," says NSLS Chief of Operations Norman Fewell. The NSLS computers were on-line by Saturday morning, and the VUV ring was operating by 3 p.m. that afternoon. The x-ray ring experienced a problem with its vacuum system during the storm: one of the valves that should have remained closed opened. Once the problem was solved, the x-ray ring had stored electrons by Tuesday morning.

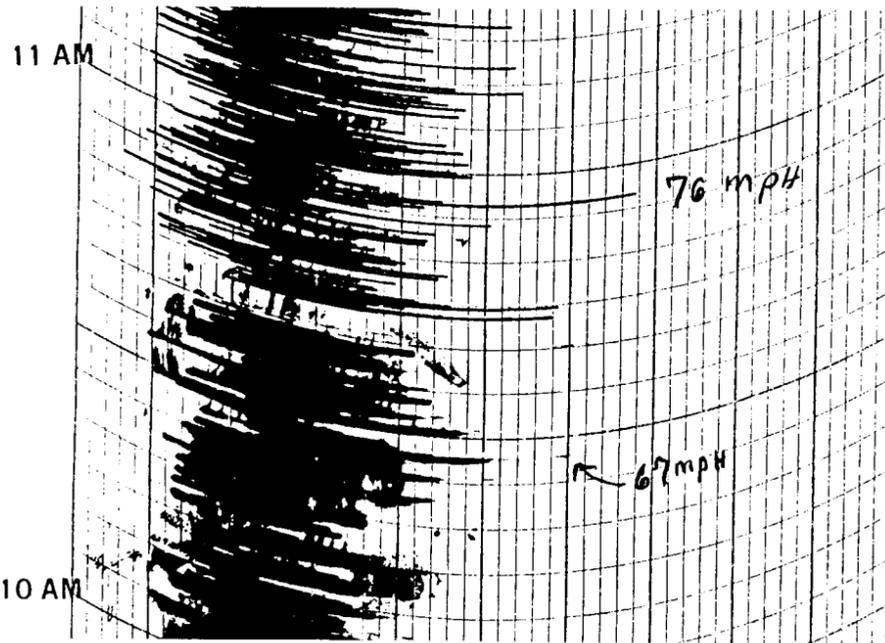
Storm Preparations

The Atmospheric Sciences Division of the Department of Applied Science had tracked the hurricane as it approached Long Island using information provided by the National Hurricane Research Center in Miami and from local U.S. Weather Service offices along the East Coast. As a hurricane warning was issued for Long Island on Thursday, Meteorology called the Director's Office, Safety & Environmental Protection, Plant Engineering, the AGS, and other departments and divisions whose operations would be affected by the storm.

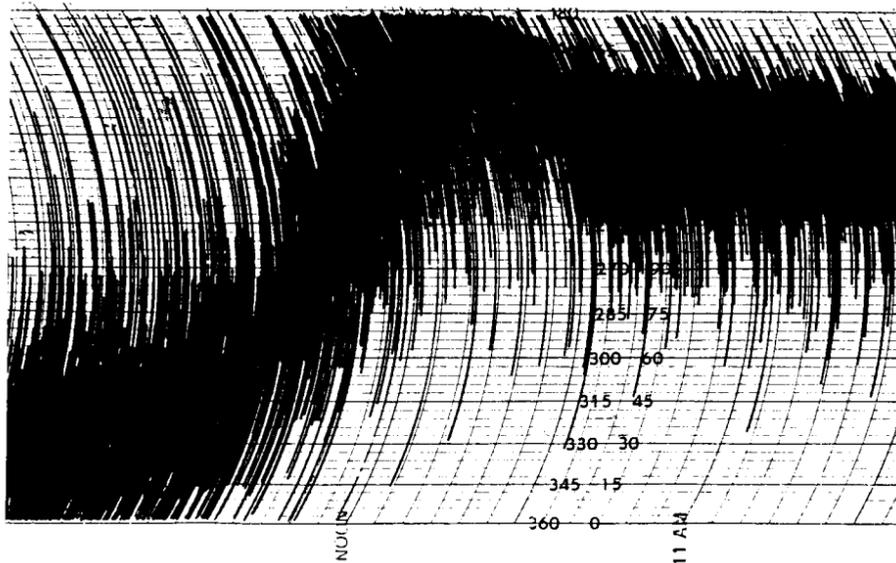
Also on Thursday, Safety & Environmental Protection (S&EP) Safety Engineers Herbert Schulman and Roy McWilliams presented Associate Director for Administration Vincent O'Leary with a list of safety measures that should be taken before the storm. The suggestions included securing



This micro-barograph shows atmospheric pressure in inches of mercury. The low point is 28.65, when Gloria passed over BNL. The eye of the hurricane was actually west of the Lab, so the pressure would have been lower there.



Thirty-seven feet up on the meteorology tower, a 76-mph gust of wind was recorded at 11:56 a.m. Daylight Savings Time, as shown by this graph. At the same time, a top speed of 100 mph was recorded at the top of the tower, 290 feet in the air, at which point the propeller on the air vane was knocked out of commission. (Note: We are still on Daylight Savings Time; meteorology records are kept on Eastern Standard Time, one hour earlier, hence the time discrepancy on the graphs.)



Before 1 p.m., the wind was blowing from the southeast. As the hurricane moved northward, the wind switched to the west, which is typical of wind patterns during a hurricane.

loose materials at construction sites around the Lab, parking large trucks and trailers together in shielded spots and tying all trailers down. S&EP Section Head for Operational Health and Safety Otto White contacted the 25 safety coordinators, representing every department and division, to assess potential problems and put the list into action.

"From our assessments, we came

up with some other things to do before future storms," says White. The addendum includes turning off valves of cylinders and tanks connected to buildings, closing office doors, unplugging electronic equipment and reviewing all experiments being conducted out-of-doors.

At 6 a.m. on Friday, O'Leary decided to close the Lab after a phone call from the Head of the Technical Secur-

ity, Planning and Police Protection Section, Edmund Wojcicki Jr., Safeguards & Emergency Services, with the hurricane forecast. News of the Lab's closing went out over local radio and television stations and was told to anxious employees who called police headquarters. "With snow storms, as with this hurricane, employees have to make their own personal decision whether or not it is safe for them to come to work," says O'Leary. "If the Lab is closed because of the weather, it won't cost them a vacation day."

Hurricane Watch

Meteorology Associate Martin Leach came to work at 6 a.m. on Friday anyway because "it was the safest place to be," says Leach. "The Lab only received 0.60 inches of rain and never really got the sustained winds that were threatened." At 37 feet from the ground, Meteorology recorded winds of 42 miles per hour with gusts up to 76 mph. A gust of 100 mph at 290 feet knocked out the propeller on the air vane that measures wind speed on the weather tower, and during a power dip, the data line to the National Weather Service in Washington, D.C., was lost.

Leach says the leading edge of the hurricane arrived at BNL at about 10 a.m. Friday when the rain became heavier and the winds started to accelerate, and Gloria blew over by around 2 p.m.

The Laboratory police opened evacuation centers in the gym and Berkner Hall for on-site residents and off-site employees and their families living in low-lying areas, and about 70 people took advantage of these shelters. In addition, the police, along with the fire department, answered false alarms, which were caused by drops in power and the winds. The police also patrolled the roads to report any travel obstructions and assess damages to buildings and property. Around noon, the guard at the main gate was ordered to leave his booth because of fear for his safety, but reported back there at 2 p.m.

According to Fire Captain Michael Carroll II, the Fire & Rescue Group had no medical or fire emergencies to respond to during the hurricane. Fire Chief Frederick Strier reports that the alarm systems were kept in service during the storm and that after the storm each fire alarm, about 170 in all, was reset. "Our new firehouse, which we haven't moved into yet, sustained some minor damage, though," adds Carroll.

Little Damage To Site

Two strands of a three-strand, 2400-volt, overhead power line snapped at around 3 p.m. when about ten trees toppled across a cleared right of way on First Avenue in the Ecology Field and hit the line. According to Electrical Supervisor Don Jesaitis, PE, it took two hours to make the repair, "which was less time than it took moving the trees." Those involved in the repair were Tower Linemen Bernard Brehm Jr. and John Cochrane, and Electricians James Boomer, Stephen O'Kula and Stephen Waski Jr. Electricians Walter Annand and John Frezza had been on duty earlier in the day and had made up spare extension cords eventually used in the repair.

The Laboratory did not lose power, says PE Assistant Manager of the Engineering Division Stephen Biemer, because most of the power lines are underground and Plant Engineering has the trees near overhead power lines trimmed regularly.

(Continued on page 2)

Speaking Out

Reporter: Marsha Belford
Photographer: Peter Horton

Bob Tooker (Plant Engineering) — My entire life has changed drastically. Without the refrigerator, without television, without the VCR, my world is at an abrupt end.

Instead, I'm reading a science fiction book by candlelight — the way our forefathers did. After the storm, I'll still read, but in a better light. And I'm going to bed quite early — at 9:30, so I'm getting plenty of rest. I live in Centereach, and I still don't have electricity. When I get my it back, I'll probably turn on the television and take the tape out of the VCR. I was watching a movie when the electricity died. The video belongs to a rental place, and I hope they don't charge me a fine.

Dana Sells (Plant Engineering) — During the storm I was at home in Bellport sleeping. I was tired, and I took a nap, and when I woke up the storm was over and the lights were out. I'd never have made a good Pilgrim.

Kim Mohanty (Physics) — The storm was a little disappointing, but I'm glad it was. During the storm, I was in my house in Stony Brook, part of the time in the basement with a good bottle of Scotch. Now I have a lot of work to do around the house. A lot of trees fell down, a lot of leaves, a lot of branches, things like that, but nothing serious.



Jean Ramirez (DNE) — I went to Ronkonkoma to visit my sister at about 8:30 in the morning, and when I got there, power lines were down behind her house.

Actually, I was out in the middle of the storm. About 11:30 a.m., one of my sister's neighbor's backyard sheds flew off, so we were outside bringing things into the house. It was scary and exciting. One gust of wind blew me right into my brother.

Rajiv Gavai (Physics) — We watched the storm from our house in Middle Island and could tell that it was over when the wind changed direction. The electricity was down for about three days, and it was disastrous. We were not used to having absolutely no electricity for so long. We are vegetarians, so we store perishable items in the refrigerator, which wasn't working after the storm.

Ynan Feng (Biology) — Usually I don't come to the cafeteria for lunch, but I have nothing in my refrigerator. I have a big freezer, and everything in there was spoiled. I tried to get some ice or dry ice, but everywhere was a long line. My kids are home from school, and Monday, I brought them in to shower in Biology. I don't know if it's legal, but everyone's doing it. I should take up camping and learn to survive without electricity.



How did Hurricane Gloria affect you?

Bill Marcuse (Director's Office) — We were vacationing on Hatteras Island, North Carolina and the storm was coming in. Wednesday night, we were out to dinner, and the sheriff came and said that everybody had to evacuate the island. He said, "We can't force you to evacuate but if you're not going to, you must fill out this form," which started with the question, "Who is your next of kin?" So we evacuated.

We had to drive about 60 miles before we reached the mainland and 2½ hours to Elizabeth City, N.C., the first large community. There, the police found us a spare room in a retirement hotel. Thursday, instead of coming home in the hurricane, we spent the day in Gettysburg, PA. When we got home, we had to pull a tree limb off the driveway to get in, but everything else was O.K.

Toshi Sugama (Applied Science) — I was scared for my life for the first time. In Japan, we had hurricanes, but never one like this. I was scared of the strong winds. I'm not used to being in the suburbs, where a lot of trees get knocked down; I'm used to being in a big city, like Tokyo. Now I have a big job to clean up the back yard, but, fortunately, the trees did not damage anything. We still have no electricity in Mastic, but we do have water and telephone. We're using the barbecue grill, so it's just like summer vacation. Getting fresh milk for our baby has been a problem, so we are buying canned milk.



Bob D'Angio (Personnel) — We had a tree come through the roof in the living room of our house in Lake Ronkonkoma. It was a pretty good-sized oak, about 15 years old.

In the beginning of the storm, it landed on the roof and broke through into the ceiling of the living room. About a half hour later, it got sucked out by the wind and ended up on the front lawn, leaving a gaping hole in the living room ceiling, which had been painted the day before. During the eye of the hurricane, my neighbor and I got up on the roof and nailed down some tar paper, and we tarred it over, so we didn't get any rain damage. Probably a corner of the roof will have to be replaced. It was very disturbing to see a tree limb sticking through my ceiling.

Penny Byrne (Staff Services) — How did Gloria affect me—emotionally or physically? I ate a lot during the storm, so I must have been nervous.

I spent the storm in my house in Miller Place, watching Gloria and watching the trees fall down. A friend's car had been parked behind mine, but he moved it, and right afterward a tree fell down where his car had been. I got electricity last night and it was wonderful because I could take a hot shower. I didn't have water because I have a well, but my next-door neighbor hooked up a hose so I could flush the toilet. I never appreciated flushing the toilet so much.



Gloria

(Continued)

Thursday before the storm, Electrical Operation & Maintenance General Supervisor James Carroll had generators moved to three buildings that could have been used in case of an evacuation: the Recreation Building, the Brookhaven Center and the Swimming Pool and Gym complex. In addition, a generator was provided for an environmental experiment in Building 318. The 30 or so permanently positioned generators around site were made sure to be in working order.

The site never lost telephone service, and GTE Site Manager Thomas Tully credits the Lab's underground and relatively new telephone cables. "We took some power hits, and from 9:28 to 9:41 Friday morning, we used our backup batteries to maintain the system," reports Tully. "Our trunk cables surface on the west side of William Floyd Parkway and go above ground on Longwood Road to Yaphank. Fortunately, none of those went down." Any trouble employees had in dialing outside the Laboratory after the storm was because of trouble with New York Telephone lines.

Two payloaders were being operated throughout the storm to remove debris from the road, and their operators were in radio contact throughout the storm with the Police, Fire & Rescue and PE's Electrical Division. According to Heavy Equipment Mechanical Operation Supervisor John Niemczyk, PE, some of the damage handled by his crew of heavy equipment operators, drivers and buildings & grounds utility workers included a tree down on top of a car by the

women's dormitory, the torn-off awning from the front of the Brookhaven Center and many downed trees and signs. According to PE Site Division Manager John Hennessy, many trees are being replanted. "Unfortunately, we'll have to cut down a fair number of the fallen trees and remove their stumps," says Hennessy.

On Saturday, one payloaders removed any remaining down trees and branches from streets and parking lots, two road sweepers cleaned the roads, two brooms swept sidewalks and two buildings & grounds utility workers removed any light debris.

Shelter From the Storm

Housing Supervisor Mary Glynn, Staff Services, provided shelter from the storm for visitors who were forced to stay on and for some unexpected guests — some 50 New York State troopers assigned to Suffolk County during the hurricane who could not find lodging elsewhere. "All the apartments and the dormitories except for one were full," reports Glynn. "We had no problems, but some of those living on site chose to go to Berkner Hall because they felt safer there."

For three days beginning last Tuesday, 20 staffers of the Federal Emergency Management Agency were housed in the dormitories because "there was no room at the inns anywhere else," reports Staff Services Manager William Webster. FEMA was surveying storm-related damage in Suffolk County to see if New York State qualifies for Federal disaster relief.

Hot Meals for All

The cafeteria did not open on Friday, but was back in service 9 a.m. Saturday "with people lined up wait-

ing for service," says Cafeteria Manager Roy Johannesen of the Saga Food Corporation. The cafeteria has been doing a booming business. Over the weekend, they had a 100% increase in the number of meals served each day; on Monday, they fed 625 more people three square meals; and on Tuesday, 300 more meals than usual were consumed.

"People are bringing their families to lunch to get a hot meal, and many employees are taking out food at supper to take a hot meal home," reports Johannesen. "We are also selling a lot of take-out milk. We did not receive some of our daily deliveries of bread and eggs, but we're getting them now."

Hurricane-Damaged Trees and Shrubs

If you're one of the many who still have to cope with fallen trees and broken branches from hurricane Gloria, these tips from the Cooperative Extension Association of Suffolk County should be helpful:

- **Fallen trees** — If some needled evergreen trees had been straightened as soon as they toppled, there might have been a chance to save them. But even a delay of three to four days may be too long. Now, take those fallen trees out as soon as possible. If some broken trunks need to be sawed back to ground level, do so, then cover the top with two or three inches of moist peat moss to speed up the decaying process. There is no easy way to get rid of the whole stump, especially if it is very large.

- **Broken branches** — Remove them from the tree and leave a smooth, clean cut in front of the branch collar,

The direct-deposit payroll checks of monthly employees were delayed by half a day's mail because of the hurricane. "They were to be mailed in the second mail on Friday, but instead were in the first mail on Monday," reports Payroll Supervisor Maurice DuBois, Fiscal. While this was not a significant delay by itself, it was compounded by the backlogs experienced by the post office and the banks; therefore, DuBois recommended that employees not draw immediately on their direct deposits.

And though it was hot off the presses as usual last Thursday, the Brookhaven Bulletin did not hit the stands Friday, but was delayed until Monday. — Marsha Belford

the protective layer in the wood around the base of the branch. Don't make a flush cut; it will injure the main stem and remove the internal chemical protective layer. When this happens, tree-inhabiting microorganisms, which cause decay, will have easy access to the wood above and below the branch.

- **Wilting trees and shrubs** — Some plants are showing wilting symptoms due to the strong winds and salt sprays from the ocean. Rinse off the salt on the foliage particularly on evergreens. Water them thoroughly around the roots as well.

For more information on tree care write to the Cooperative Extension of Suffolk County, 246 Griffing Ave., Riverhead, NY 11901, for free publications on "How to Correctly Prune a Tree" and "Homeowner's Guide for Beautiful, Safe, and Healthy Trees."

BROOKHAVEN BULLETIN

Published weekly for the employees of BROOKHAVEN NATIONAL LABORATORY

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Equipment Demos

Coulter Electronics, Inc., will show its new cell and particle sizing and counting instrumentation on October 11, from 10 a.m.-2 p.m. in the Berkner Hall lobby. This includes instrumentation to count and/or size from 0.003 μ m to 1200 μ m; 256 channel high resolution cell size analyzer systems; cell counters for tissue culture, bacteria and other biological systems; and a new data reduction system, featuring high resolution color graphics.

Computervision will demonstrate the capabilities of its Medusa 2D and 3D mechanical design software running on a stand-alone SUN workstation, in the Ready Room of the CSCF on Thursday and Friday, October 10 and 11.

Cafeteria Menu Week of October 7

Monday, October 7	
Beef barley soup	(cup) .65 (bowl) .85
Chicken teriyaki over rice	2.40
Beef pot pie	2.40
Hot Deli: Grilled Reuben	2.35
Tuesday, October 8	
Chicken noodle soup	(cup) .65 (bowl) .85
Beef & broccoli stir-fry	2.40
Baked lasagna w/ garlic bread	2.35
Hot Deli: Sloppy Joe	2.30
Wednesday, October 9	
Minestrone soup	(cup) .65 (bowl) .85
Braised liver & onions w/1 veg.	2.35
Chili relleno casserole	2.35
Hot Deli: Meatball hero	2.35
Thursday, October 10	
Cream of chunky veg. soup	(cup) .65 (bowl) .85
Tuna à la king over rice	2.40
Beef teriyaki over rice	2.40
Hot Deli: Baked Virginia ham	(bread) 2.20 (roll) 2.40
Friday, October 11	
Rhode Island broth chowder	(cup) .65 (bowl) .85
Fish & chips platter	2.40
Pepper steak over confetti rice	2.40
Hot Deli: Tuna melt	2.35

All film badges will be changed tomorrow. Please place your badge in its assigned rack space before leaving work today.

Arrivals & Departures

Arrivals

Raymond W. Boucher Medical
 Anne E. Butler Medical
 John A. McGowan NSLS
 Carolyn G. Miles DAS
 Douglas E. Paquette Medical
 John F. Scott NSLS
 Dale C. Sondericker NSLS
 Thomas E. Ward DNE
 Sue A. Wirick DAS

Departures

This list includes all employees who have terminated from the Laboratory, including retirees:
 Marian Cholewa DAS
 Paul Fernyhough Biology
 Ernest M. Guettinger Reactor
 Alvin F. Heylmann Chemistry
 Ren Iwata Chemistry
 Himanshu Jain DNE
 W. Barclay Jones Chemistry
 Marian E. LeFevre Medical
 Henryk A. Mach Physics
 Stanley J. Majeski DAS
 Glenn A. Price Dir. Ofc.
 Herbert Robbins App. Math.
 Bernard Schmall Medical
 Ann Marie Schuler DAS
 Gary W. Zielinski DAS

Coming Up

BERA Concert featuring the Ensemble for Early Music, Wednesday, October 16, at 8:30 p.m., Berkner Hall. Tickets are \$9 general admission; \$6 for students and those over 65; \$5 for those under 18; and are available at the door.

Special lecture by Vartan Gregorian, President of The New York Public Library, on "The Library in the Age of Information," Friday, October 18, at 3:30 p.m., Berkner Hall.

Indoor Tennis

Sign-up for indoor tennis in the gymnasium will begin on Friday, October 11. The gym is available for tennis 5 p.m.-9:30 p.m. on Tuesdays, and 1 p.m. - 5:30 p.m. on Sundays.

Reservations can be made in person at the BERA Sales Office in the cafeteria between noon and 1 p.m. on Monday, for play the next day, and between noon and 1 p.m. on Friday for play the following Sunday.

Players are reminded that they are limited to one hour of court time each per week for singles, or two hours each per week for doubles.

BERA News



On center court are some of the winners of this year's BNL Tennis Tournament: Mary Lou Abata (left), women's singles and mixed doubles; Chris Saitta (center) and Ruth Ann Lutz (right), women's doubles; and Thomas Koetzle (rear), men's singles. Missing from the photo are Naresh Bhagat, Abata's partner in mixed doubles, and the men's doubles winners Ryu Iwai and Daniel Lacks.

Islanders Ticket Sale

Tickets for the 1985-86 regular hockey season will go on sale at the BERA Sales Office in Berkner Hall on Tuesday, October 8, at 8 a.m. BERA's eight seats for the forty home games at Nassau Coliseum are located in Sections 319J and 321A. Tickets are priced at a special reduced cost of \$19.50, a saving of \$1.50 per ticket.

Buying limitations:

- Tickets will be sold in pairs only.
- During the initial sale, tickets for the Ranger and Edmonton games will be limited to two (2) tickets per employee.
- The BERA Sales Office will give no refunds or make any ticket exchanges after a sale is completed.

In the event the Islanders climb into the NHL playoff and championship race next spring, only those employees who support the BERA Ticket Service Program by buying hockey tickets during the season will be eligible for entry in the special drawing for game tickets.

Copies of the home games schedule are available at the BERA Sales Office between 9 a.m. and 2 p.m.

Bowling

Red/Green League

High games were bowled by E. Sperry 226, S. Dimaiuta 220/201, N. Combatti 216, J. Morris 212, H. Marshall 210, E. Sperry IV 205, K. Asselta 204, J. Connelly 204, K. Riker 201, C. Bachsmith 201, C. Bohnenblusch 201.

Pink League

S. Smith rolled a 224/555 scratch series, S. Zuhoski 198, M. Reynolds 196, D. Cunningham 188, M. Apelskog 180.

White League

Ed Sperry IV had a 192, Ed Sperry III 189/181, Irene Sperry 186, Jere Austin 181, Kathy Griffin 169, Karen Vogel 168, Pat Biscardi 162.

Cooking Exchange

On Wednesday, October 9, members of the International Cooking Exchange will demonstrate Polish cookery. Featured will be barszcz (beet soup), kotlety z grzybow (mushroom cutlets), kluski z kapusta (noodles and cabbage), legumina grysikowa (farina cakes) and other native dishes of Poland.

The Cooking Exchange meets in the Recreation Building on the second and fourth Wednesday of each month, from 12:30 to 2:30 p.m. Meetings are open to employees and their immediate family members. A \$1.25 donation entitles those present to a copy of the day's recipes, samples of the prepared dishes, and coffee or tea. Babysitting is provided at 50¢ per child.

For further information, call Susan Sears, 799-7837; Sara Morse, 286-1712; or Anna Maria Kwiatek, 282-3220.

Attention: On-Site Gardeners

Before you move out, don't forget to return your garden key to Eva Skog, Apt. 34F, who will return your deposit at that time. When the season is over, all keys must be returned. Call Skog at Ext. 3019 if you have any questions.

Dinner Theater

Tickets for the October 26 BERA DeLuxe Dinner-Theater are being sold every day in the cafeteria from 11:30 a.m. to 1 p.m.



Victorian murderesses sometimes liked to serve a little arsenic with their tea and cakes. Crime historian and storyteller E.J. Wagner (above) likes to recount tales of Victorian murders that illustrate the development of forensic medicine. She will present "Murder in the Laboratory" at 8 p.m. tomorrow, October 5, in Berkner Hall. This fascinating program is sponsored by Brookhaven Women in Science for the benefit of its Renate W. Chasman Scholarship Fund. Tickets are \$5; they can be purchased at the door, or from the BERA Sales Office.

Classified Advertisements

Placement Notices

The Laboratory's placement policy is to select the best-qualified candidate for an available position, with consideration given to candidates in the following order of priority: (1) present employees within the department, with preference to those within the immediate work group; (2) present employees within the Laboratory as a whole; and (3) outside applicants. In keeping with the Affirmative Action plan, selection decisions are made without regard to age, race, color, religion, national origin, sex, handicap or veteran status.

Each week, the Personnel Office lists new personnel placement requisitions. The purpose of these listings is, first, to provide open placement information on all non-scientific staff positions; second, to give employees an opportunity to request consideration for themselves through Personnel; and, finally, for general recruiting purposes. Because of the priority preference policy stated above, each listing does not necessarily represent an opportunity for all candidates. As a guide to readers, the listings are grouped according to the anticipated area of recruitment.

Except when operational needs require otherwise, positions will remain open for one week following publication date.

For further information regarding a placement listing, contact the Employment Manager, Ext. 2882.

LABORATORY RECRUITMENT - Opportunities for Laboratory employees

2334. ADMINISTRATIVE/TECHNICAL POSITION - Requires a minimum of an AAS degree in a technical field and a comprehensive knowledge of Laboratory policies and procedures. Experience utilizing a personal computer is desirable and excellent communication skills are necessary. Will be involved in performing statistical and work measurement analyses, investigation of new options for work flow management, analysis of daily work flow and research of system abnormalities. Knowledge of industrial engineering techniques and/or maintenance management concepts is highly desirable. Commitment to complete formal education in industrial engineering is desirable. Plant Engineering Division.

2335. HELPER A - Central Shops Division

OPEN RECRUITMENT - Opportunities for Laboratory employees and outside applicants.

2236. TECHNICAL POSITION - Requires AAS degree in electrical technology or equivalent experience with an emphasis on telephone and data communication technology. Duties will involve installation of data communication lines and equipment, data switching, networking and documentation in support of a large computer center. Should be familiar with modems, multiplexers, cabling methods, data interfaces and test equipment. Applied Mathematics Department.

Autos & Auto Supplies

76 CORVETTE - a/t, p/b, a/c, p/w, tilt & tele wheel, s/s calipers, high mi., needs paint, \$6,500 firm. Bill, Ext. 4434 or 399-6168.

TIRES & RIMS - (6) lug, 15" P235 Wrangler, fit Chev, \$100. Ron, Ext. 4082 or 289-1003.

JAÇK STANDS - \$5 pr., Vega chrome wheel trims, 13", \$5. Frank, 981-2529.

80 SUZUKI - GS1000S, \$1,000, 1984 KTM 125, \$975. Ext. 3499 or 325-9580 after 6 p.m.

83 OLDS - Cruiser, s/w, a/t, a/c, V6, cruise control, full power, excel. cond., \$5,900. 653-5243.

73 MERCURY COUGAR XR7 - p/s, p/b, a/c, a/t, p/w, am/fm stereo cass., w/equalizer, new custom wheels & tires, excel. body & inter., \$1,950. 727-5956.

78 HONDA CIVIC - standard, excel. running cond., clean, no rust, \$2,000. Divadeenam, Ext. 5076 or 744-4615.

71 FORD LTD - excel. cond., am/fm, p/s, p/b, low mi., vinyl roof, \$650. Don, 281-7595.

69 TRUCK PARTS - Chevrolet, fenders, hood, trans., very reas. 732-3338.

81 SKYLARK - 6 cyl., low mi., p/s, p/b, a/c. 581-8891 eves.

77 VW RABBIT - gas, very good cond., fm/am, new tires and battery. Harvey, Ext. 3758 or 821-1726.

VOLVO 245DL - station wagon, w/roof rack, extra rear seat, am/fm stereo, 51k, excel. cond., \$7,500. 751-8707.

76 CHEVY PICKUP - 3/4 ton, 6 cyl., p/s, p/b, am/fm, \$1,200. Garry, Ext. 5289.

84 MITSUBISHI TREDIA - turbo, 40k mi., 5 spd., 4 door, 5 yr. ext. warranty, \$8,500. 878-6469.

74 VOLVO 164E - am/fm cass., runs well, body excel., \$2,650. Kevin, Ext. 2211 or 473-0961 eves.

FIBERGLASS CAP - for 8' bed, sliding front window, 2 roof vents, excel. cond. 325-0447 after 6 p.m.

82 CADILLAC SEDAN - classic, wire wheels, Rolls Royce grill, full power, leather almond, mint, \$8,500. 732-5445.

78 BUICK LESABRE - 2 dr., 8 cyl., a/c, p/b, p/s, very good cond., \$2,500. Ext. 2313 or 878-2928.

84 JEEP - special edition, blue, h/t, sunroof, chrome, carpeted, other extras, 15k mi., \$10,500. 924-1056 or 924-6613.

83 CAMPER - Hunter truck, 4 wd, self contained, low mi., excel. cond., \$11,500 firm. 399-1868.

74 WINNEBAGO - 40k mi., sleeps 6, new tires, clean in/out, \$1,500. Ext. 4098 or 732-5696.

73 PINTO - am/fm stereo, new Michelin tires, 4 spd., 26 mpg, \$1,000 or best offer. 226-1828.

77 HONDA - hatchback, 4 spd., new trans., clutch, 38 mpg, 42k, good mech., \$780. Jack, Ext. 3164.

73 SUPER BEETLE - conv., new tires, top & paint, Baupunkt tapes & stereo, \$3,000 firm. Al, 878-0817.

73 OLDSMOBILE CUTLASS - p/s, p/b, a/c, auto, cassette, 2 dr., new vinyl top, radials, \$1,600. 261-2719 or 754-3284.

78 OLDSMOBILE OMEGA - 4 dr. sedan, p/s, p/b, am/fm stereo, exceptional cond., \$2,450. 732-1913 after 5 p.m.

74 FORD COUNTRY SQUIRE - station wagon, 84k mi., a/t, a/c, good cond., \$1,300. Don, Ext. 2050.

80 PONTIAC PHEONIX - 4 dr., 4 cyl., a/t, p/s, am/fm, 74k, \$1,800. Ext. 3412.

82 CADILLAC SEVILLE - 2 tone, loaded, immac., must be seen, \$13,500. Larry, Ext. 4821 or 727-1412.

72 DODGE CORONET - runs, needs some work, good tires, \$300. 878-2702 after 6 p.m.

TIRES - Firestone P175/75R14, 80% tread, (4), \$15 ea. Rich Bernier, Ext. 4669.

EQUALIZER HITCH - Reese single lever, \$50. Ext. 4846 or 363-6940 after 5 p.m.

VW MOTOR - type II, IV, 914, 1.8 litre, brand new, never run, \$600. Augie, 821-0379.

TRUCK CAP - custom, Toyota, cream, 60" x 72", excel., \$375. Jack, 4411 or 929-8287.

79 OLDSMOBILE STARFIRE - 6 cyl., 4 spd., excel. cond., \$2,000. 744-7960 eves.

78 ASPEN - special edition, 4 dr., a/c, am/fm radio, good tires, new starter, clean, runs well, \$1,100. Ext. 2945 or 744-4594.

83 NISSAN PULSAR - 4 dr., hatchback, 5 spd., a/c, p/s, p/b, t/s, am/fm stereo, 31k mi., \$5,975. Dick, Ext. 7520 or 473-4558 after 5 p.m.

MAZDA 626 - sport coupe, 3 yrs. young, excel. cond., well maint., a/c, am/fm, alum. wheels, 38k, \$6,200 or best offer. Ext. 3322 or 473-6027.

Boats & Marine Supplies

19' SPORTCRAFT - 115 Merc. outboard, full canvas, 273-7977 eves.

22' O'DAY - 1982, 3 sails, VHF, electric start, 7.5 Mercury, many extras, \$15,000. 698-8158.

CHRYSLER OUTBOARD MOTOR - 30 HP, good cond., \$200. Ext. 4312.

27' CATALINA - 1974 sailboat, Petter diesel, 3 sails, main jib, roller furled Genoa, \$15,000. 286-2989.

MERCURY OUTBOARD - 95 HP, complete, for parts, \$50. Ext. 2011 or 589-4327.

20' GLASS GARVEY - 1976, decked over, clam boat, \$400. Ext. 2011 or 589-4327.

MUSHROOM ANCHOR - 100 lbs., w/chain and pickup buoy, \$50. 369-0432.

16' HOBIE CAT - double traps, trailer, hot stick, race equipped, excel. cond., \$2,200. 369-0432.

27' CHRIS CRAFT - twin engine, sleeps 4, standup head, kitchen, dinette, good cond., \$5,800. Bill, 281-3624.

16' LYMAN - lapstrake, good cond., \$300. Don, Ext. 4821 or 286-2267.

Miscellaneous

BOY'S BIKE - Savoy BMX, 16", \$30. Mariko, Ext. 3178.

BOX SPRINGS - (2) twin size, like new, \$40 ea. Ext. 3370.

PRESSURE COOKER - 6 qt., Presto, stainless steel, new, \$35. Jerry, Ext. 4487.

TRUMPET - for beginner, w/case, \$50; 19" portable b&w tv, \$15. Jim, Ext. 3372.

PLATFORM ROCKER - green vinyl, \$5; triple dresser, 72" long, 9-drawer, \$50. 281-7844.

TENNIS SHOES - Nike, woman's size 7-1/2, leather, \$20. Chris, Ext. 2907.

WOOD STOVE - European, \$1,000 new, sell for \$350. Ext. 7697.

ARCHERY EQUIPMENT - bows, alum. shafts, nocks, points, feathers. 286-8353.

MINK COAT - Lunaraine, sable collar, excel. cond., size 14. Adrienne, 929-6765 after 5 p.m.

GE DISHWASHER - portable, good cond., \$75. Gerry, Ext. 3694 or 281-8296 after 6 p.m.

POOL TABLE - good cond. 325-0447 after 6 p.m.

LYMAN SIZER - lubricator, \$40; Lyman precision scale, \$40. Ext. 4312.

TICKETS - (1) pair, NY Philharmonic, 2nd tier, Sat. 10/5, discount, \$35. Ext. 2053 or 5329.

COMPUTER DESK - new, 31"(w) x 21"(d) x 62"(h), \$40. Tak, Ext. 3187 or 2823.

AUTOGRAPHED FOOTBALL - Jersey Generals, Herschal Walker and Doug Flutie, now accepting bids. Ext. 4761.

HAMS - Hallicraft HT32A, \$75; Hammarlund HQ-110, \$60; Heath DX60/VFO, \$50; Mosley TA-33SR, \$75. Ext. 7790 or 751-6076.

PRESSURE COOKER - heavy duty, 10 qt., for canning, w/all accessories, \$15; qt. glass topped canning jars, \$1 ea.; water pick, \$12; 32-3/4 oz. tea containers w/rack holder, all colors, \$25. 732-3338.

CROSSMAN RIFLE - BBCO2, \$15; 2-person rubber boat, oars, \$20; 47" ski poles, \$10. Frank, 981-2529.

PUMP - Sears, 1 HP multistage, deep well, \$55. 475-5448.

FIREPLACE ENCLOSURE - quality brass, Glassmaster w/screen, good cond., std. opening, \$100; wood stove, Jotul Combi Fire No. 4 200 chimney available. 744-4611 after 6 p.m.

BMX BIKE - 20" w/tuff wheels, \$30; 10 spd. bike, 26" Ross, \$60. Ron, Ext. 4082 or 289-1003.

STEREO - Clarion, 8 track, 4 channel player, 4 spkrs., turntable, make offer. Ext. 7112 or 472-1922.

DOWN COMFORTERS - twin, w/4 pillows, \$200; Hoover vacuum cleaner, upright model, w/bags, like new, \$60. Paul, Ext. 4106 or 689-8675.

FURNITURE - double bed frame, mattress, box-spring, \$40; baby changer, wicker with folding drawers, excel. \$25; twin headboard, \$10; night stand, \$10. 751-1884.

RECORD PLAYER - Philips GA212, electronic, Shure V-15 Type III cartridge, diamond stylus, excel. cond., \$130. Corliss, Ext. 4438, 4376 or 472-1585.

BRASS LAMPS - (2), excel. cond., \$50 pr. Karen, Ext. 4262.

BABY WALKER - Hedstrom, Care Bears, like new, \$15, infant seat, \$7; baby carriage, must see. 924-8722.

LUMBAR SACRAL SUPPORT GIRDLE - new, never worn, excel. cond., \$50. 929-4446.

STILTS - childrens, adjustable, metal, \$15. Ext. 4846.

DUNE CART - Sears, 5 HP motor, balloon tires, roll bar, \$300. 924-8213.

CHAIN SAW - Stihl 034, 20" bar, all accessories, used one weekend, \$390. Hill, 2247.

RACCOON SECTION COAT - full length, size 8, very good cond., \$250; American food processor, various blades, hardly used, \$20. 475-4792 after 5 p.m.

METAL OFFICE DESK - sturdy, \$50; 20 gal. and 10 gal., aquariums, stand & accessories, \$100. Rich, Ext. 5614 or 5723.

CHILD'S TWIN BEDSPREAD - Winnie the Pooh, matching 45" curtains, like new, \$15. Debbie, 467-2422.

VIOLIN - bow and case, German make, fairly new, good for beginners, \$300. Dina, 286-0854.

Free

DOGS - (2), well behaved, house broken and trained, 3 to 4 yrs. old. Ext. 4496.

FIREWOOD - you cut, Augie, 821-0379.

GOLDEN RETRIEVER - pure bred, large, active, housebroken, young male, needs home and place to exercise. 286-0892.

Yard Sale

SHOREHAM - 58 N. Country Rd., Oct. 5-6, 9 a.m.-5 p.m., range, refrig., wet suit, other home items.

Car Pools

MATTITUCK - 3 drivers want fourth. Ext. 3140.

KINGS PARK/SMITHTOWN AREA - one or two drivers needed. Tony, Ext. 4024.

HUNTINGTON - exchange info. w/area people for emergencies or for occasional car pool. Karen A., Ext. 3396.

Real Estate

Real Estate advertised for sale or rent is available without regard for the race, color, creed or national origin of the applicant.

For Rent

THREE VILLAGE AREA - 3-4 bdrm. house on water, 2-1/2 baths, 2 fpic., lg. eik w/water view, avail. Jan.-June 1986, \$1,000 mo. plus util. 698-8685.

N. SHIRLEY - fully furn. house, 4 mi. to Lab, 1 acre wooded area, single or small fam., no pets, \$500 mo. plus util. Ext. 4743 or 399-3659 or 597-9507.

CATSKILLS CHALET - brand new, 3 bdrms. plus sleeping loft, fully equip. kitchen, 1 bath, near Windham and Hunter Mts. Judy, Ext. 3595 or Bea, Ext. 3642.

MILLER PLACE - one bdrm. apt., l/r, kitchen, bath, spare room, util. included, priv. ent., avail. Oct. 15. Ext. 2537.

VERMONT - 3 bdrm. house, 2 baths, fireplace, fully equip., x-country and down hill skiing, beautiful view, family oriented. 732-6499 after 6 p.m.

ROCKY POINT - furn. 2 rm. apt., single person, l/r, full kitchen, bath, priv. ent., 9 mi. from Lab., \$400 mo. incl. all. 744-6627.

E. MORICHES - small house, 3 bdrms., 2 baths, wood stove, garage, 1/2 block to Bay, 1 yr. lease, \$680 mo. plus util. Michael, Ext. 2081 or 878-9384 after 6 p.m.

For Sale

HOLBROOK - ranch, 10 yrs. old, spacious kitchen, 3 bdrms., 2 baths, L-shaped lr/dr w/den, assum. 8-1/2% mortgage, \$119,000. 472-2743.

S. SETAUKET - 4 bdrm. Colonial, 2-1/2 baths, 2 car garage, finished bsmt. w/sauna, workshop, extra ceiling insulation, separate water heater, two zone gas heating, 3 Village SD. 698-5489 eves. and wknds.

FLORIDA - 120 x 125 property, Port Charlotte, 5 min. to Peace River, high dry land, \$20,000. 732-8216 after 5 p.m.

ROCKY POINT - custom Tides country cape, 4 bdrms., lr. w/fp., lg. eik, oak floors, natural woodwork, full bsmt., 1 car garage, treed 4 acre, covered patio, beach rights, \$129,900. Ext. 7644 or 744-2733.

S. JAMESPORT - 1/2 acre, priv., short walk to beach, wooded, \$38,500. 727-7741 after 6 p.m.

Wanted

ROOMMATE - Rocky Point, nonsmoker preferred, \$125 mo. 744-8696.

PEOPLE - for 1 day shopping spree to Reading, PA, Sat. 10/26. Bea, Ext. 3642.

BABYSITTER - to care for 8 and 10 yr. old children for one week in our home. Harvey, Ext. 3758 or Sally, 821-1726.

ROOMMATE - to share large house, Sayville, walk to beach & ferries, \$600 mo. includes all. Ext. 7717 or 589-8394 eves.

HOUSE TO SIT - going away on vacation or business, I will stay with your house. Ext. 3671 or 736-2131 eves.

LOUVER DOOR - wood, 24 x 80. 744-3792.

LOVING HOME - for adorable kittens, healthy, affectionate. Lois, Ext. 2959 or 331-1765.

Services

Services are listed as a courtesy to BNL employees. They are neither screened nor recommended by the Bulletin.

BABYSITTER - reliable, experienced teen available nights and weekends. Mary, Ext. 2926 or Chris, 281-0268.

AUTO TROUBLE SHOOTING - free, low cost tune ups. Stony Brook/Port Jeff area. Dave, 928-6190.

YOGA CLASS FORMING - all levels. Carol, Ext. 2907.

HOME IMPROVEMENTS - free est., lic., insured, guaranteed, roofing, siding, windows doors. Mike, 289-9238.

BABYSITTING - my home, Bellport, experienced, references. Maryanne, 286-2435.

BABYSITTER - reliable mother, convenient for Lab employees. Susan, Ext. 3089.

LAND CLEARING - using excel. rake on JD 450 track loader, \$45 hr. w/operator. Tom, Ext. 4084 or 878-1060.

BRICK WORK - walks, patios, brick & sand, Belgium block, landscaping ties, custom decks, free est. Tony, 698-9274.

MUSIC LESSONS - certified, experienced teacher, specializing in trumpet, piano & guitar. 473-7681 leave message.

CARPENTRY - all phases, specializing in house-framing, decking lic., insured free est. 878-9451.

EXERCISE CLASSES - aerobic conditioning, free babysitting, Marine Midland Bank Shopping Center, Montauk Hwy., Mastic. Linda, Ext. 7745.

JEWELRY REPAIR - gold and silver chains. Dan, Ext. 2319 or 821-0260.

FRENCH LESSONS - by native French. 289-6898 after 4 p.m.

TREE REMOVAL & TRIMMING - free estimate. Ken, 289-8212 eves.

PAINTING - interior/exterior, reason., BNL refs., free estimates. Pat, 924-5012 eves.

Classified Ad Policy

Deadline is 4:30 p.m. Friday for publication Friday of the following week.

- The Brookhaven Bulletin's classified section may be used only by active and retired Laboratory employees.
- All items for sale or rent must be the advertiser's property.
- Ads for material acquired for resale in association with a full or part-time business cannot be accepted.
- Ads for the sale or trade of firearms will not be accepted.

- Ads not carried because of space restrictions will be held for publication in the next issue.
- Ads are run only once and must be resubmitted if they are to be repeated. One ad per person per week.
- Property for sale or rent cannot be accepted on this form. Special Real Estate Ad Forms are available at the office of the Brookhaven Bulletin, Building 134.

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|--|--|---------------------------------------|-------------------------------|
| <input type="checkbox"/> For Sale: Autos & Auto Supplies | <input type="checkbox"/> For Sale: Miscellaneous | <input type="checkbox"/> Lost & Found | <input type="checkbox"/> Free |
| <input type="checkbox"/> For Sale: Boats & Marine Supplies | <input type="checkbox"/> Car Pools | <input type="checkbox"/> Wanted | <input type="checkbox"/> |

Please print your ad below in 15 words or less using one word per block. Include name and phone number to call.

Note: The following must be completed for your ad to appear.

NAME (Please Print)

Employee's Signature..... Life No..... Ext.....

Send to: Brookhaven Bulletin, Building 134 (Ext. 2345).