BROOKHAVEN BULLETIN
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BROOKHAVEN NATIONAL LABORATORY

Low-Level Radiation Incident at HFBR — No Danger to Employees or Public

Last week, on Tuesday and Wednesday, March 27 and 28, nineteen employees at the High Flux Beam Reactor (HFBR) were found to have specks of very low-level radioactive material on their clothing and skin. The radiation exposure presented no health hazard to any of the workers, and the particles were easily removed.

As a further precaution, the people were later examined in a whole-body counter at the Lab, which measures amounts of radioactive elements in the human body.

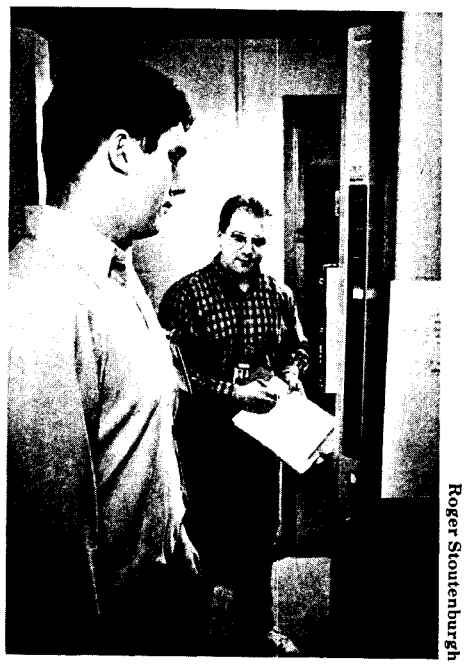
According to Bob Casey, Head of the Safety and Environmental Protection Division (S&EP), only three people showed evidence of activity on the counter. The maximum radiation exposure was estimated at 16 millirems. A recount this week indicated that the actual exposure was two to three times less. This is comparable to the dose from cosmic radiation received on a round-trip, cross-country airplane flight.

The incident last week was the result of work being done in the HFBR. The reactor is presently shut down, but routine maintenance is being carried out. In order to replace a valve on the reactor vessel, the workers needed first to modify a bolt. They were using a special tool to clean the threads of the bolt, and, in the process, apparently brought out minute specks of stainless steel as they removed their tools from the reactor vessel. The particles contained radioactive cobalt-60.

Before the workers left the job area, they were checked for contamination by a hand-held detector. They then changed their clothing and washed up. Evidently, however, some of the workers still carried particles of activated stainless steel, which were very slightly radioactive.

The specks were discovered on some of the workers as they left the reactor building. Recently installed at the entrance/exit portal of the HFBR is a new, ultrasensitive radiation monitor. Unlike hand-held devices, the new portal monitor surveys the entire body at one time.

Because the monitor was only recently installed and was not formally in service at the time, employees were not required to use it. Thus, on Tuesday, not all of the workers left the building via the portal monitor. The next day, a few of those workers set off the alarm on the portal monitor on their way back into the building.



Roger Stoutenburgh

Reactor Division personnel Paul Lang (left) and Tom Daniels demonstrate how to use the new, ultrasensitive radiation monitor at the entrance/exit of the High Flux Beam Reactor. The portal monitor, which looks like a doorway, has six detectors — two on each side and one each on the top and bottom. To use it, a person steps into the monitor when a green light is on. Immediately, a yellow light goes on and a bell sounds indicating that the monitor has begun counting. After about two seconds, if all is normal, the green light goes back on and another bell rings. If the monitor detects radiation, a red light goes on and an alarm is sounded. At the same time, on both sides of the monitor, body-outline drawings light up and indicate where on the body the radiation is located.

Over the period of Tuesday and Wednesday, a total of 19 people set off the portal monitor.

In response to this incident, BNL's Reactor Division and (S&EP) mounted a massive effort to track down the problem and take care of it.

On Thursday, the portal monitor was put into full service and everyone was required to use it. Health physicists began doing radiological surveys of various areas in the reactor building. Teams began going to workers' homes to survey the homes for possible contamination. The U.S. Department of Energy (DOE) was notified.

On Friday, DOE formed an investigation team and dispatched environmental specialists from the Chicago Operations Office. Notifications were made to Suffolk County, Nassau County and New York State. The HFBR was closed to all except essential personnel.

By Saturday, it was clear that many more people than the original group of workers involved could have picked up some contamination. Accordingly, the Reactor Division began the task of contacting everyone who had been in the HFBR between Tuesday and Thursday, to identify any individuals who had not used the portal monitor during that time. Altogether, about 75 homes were identified as needing surveys.

Argonne National Laboratory was asked to lend assistance, and early Sunday morning, personnel and radiation detectors arrived from Illinois. By midday, survey teams were dispatched off site to check homes. Later that evening, the Public Affairs Office issued a press release, which was distributed to employees on Monday morning.

Most of the houses have now been surveyed. When the Bulletin went to press, it was known that in one home, a single radioactive speck was found on a pant leg, and, in a second home, a speck was found in a rug. All contamination was removed. The homes belonged to two employees in the original group of 19 workers.

In addition, the DOE investigation is continuing. According to BNL's Associate Director for Reactor, Safety and Security, Gerald Kinne, the Laboratory is fully participating in the investigation, which will examine all aspects of the incident and disclose any inadequacies that led to this event. Says Kinne, "While this incident has posed no health risks for any of our employees or the public, the Laboratory is concerned about making sure this remains true in the future."

Kinne also notes that radiation workers at the HFBR wear film badges to monitor their cumulative radiation exposure. No HFBR radiation worker has ever exceeded or even approached the federal standard for radiation workers. — Mona S. Rowe

Congressman To Visit BNL

Congressman George Hochbrueckner will be visiting BNL on Monday, April 9, to be briefed in the Laboratory's programs. He will be in the Cafeteria from noon to 1 p.m., to talk informally to employees both about the Laboratory and about other matters that might concern them.

Pick a Student

Applications for the 1990 Fall Science and Engineering Research Semester (SERS) program run by the Office of Educational Programs (OEP) will be available for review April 9-17, from 9 a.m. to 4:30 p.m., in Block 2, Bldg. 490, Medical. Use the Clinical Research Center entrance and follow the signs.

SERS applicants are junior and senior students with a grade point average of 3.0 or above, from any U.S. college or university, who wish to spend a semester away from their school doing fundamental scientific research. The applicants make first and second choices of the participating national laboratories to which they would like to go. For the 1990 Fall semester, 70 applicants have chosen BNL as their first or second choices. The fall semester runs from August 27 until December 14, 1990.

For more information, call OEP, Ext. 4503.

Coming Up

Chemist Trevor Sears, Chemistry Department, will present the next Brookhaven Lecture on Tuesday, April 17, at 4 p.m., in Berkner Hall. His topic will be "Chemical Dynamics Using Lasers."

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"Colloquia Honoring Ernest D. Courant" will be held in Berkner Hall on Wednesday, April 18, from 9 a.m. to noon. Now an AUI Distinguished Scientist emeritus, Courant's 42-year career at BNL included the discovery of alternating gradient focusing. Colloquia speakers will include John Blewett, who retired from the Lab in 1975 as a senior physicist; accelerator physicists Alex Chao, Superconducting Super Collider Laboratory (SSCL), and Ron Ruth, Stanford Linear Accelerator Center (SLAC), both former students of Courant; and Senior Physicist Robert Palmer, BNL, SLAC and SSCL.

CD-ROM in Research Library

If you use scientific and technical data bases you'll welcome the new addition at the Research Library — a CD-ROM drive, in Room 5.

When you use a data base on CD-ROM you can search using boolean logic, then either save citations on a disk or print them on the attached printer. Or, you can get a first look at your research topic on CD-ROM, then have the library staff do an on-line literature search to provide the most current information.

The data bases available on the CD-ROM are free for everyone to use directly. These include:

- **CASSIS/CD-ROM — Contains Patent Trademark Office information.**
- **SCITECH Reference Plus — Offers information from scientific and technical books and serials.**

Look for these data bases in the near future:

- **Computer Library — Provides access to 150 computer-industry publications, including full-text articles from such magazines as *Digital Review, MacUser, PC Magazine* and *Government Computer News*.**
- **MEDLINE — Contains bibliographic citations and abstracts to biomedical literature since 1966.**

Your suggestions for other CD-ROM products are welcome. For more information, call Betsy Schwartz, Ext. 2758; Madeline Windsor, Ext. 5069; or stop by the library.

Retirement Plan Meetings Scheduled

As announced last week, the Board of Trustees of Associated Universities, Inc., (AUI) has approved the addition of 14 new options as employee investment alternatives under the AUI Regular Retirement Plan, effective May 1.

Two of these options will be new CREF accounts from the Teacher's Insurance Annuity Association-College Retirement Equities Fund (TIAA-CREF), bringing the total options offered by TIAA-CREF up to five. Twelve new mutual funds will also be offered — six from Fidelity Investments Institutional Services Company and six from Vanguard Mutual Funds.

Employees can learn more about these new retirement options next week, by attending one of four orientation sessions at which representatives of Fidelity, TIAA-CREF and Vanguard will explain their different investment funds. The meetings are scheduled for 10 a.m. and 2 p.m. on Monday, April 9, and Tuesday, April 10, in Berkner Hall.

Literature describing the various investment options will be available at the meetings or can be obtained after the meetings at Personnel Services, Bldg. 185. To avoid undue disruption of work activities, employees wishing to attend these meetings should obtain prior approval from their supervisors.

Credit Union In Bldg. 193

As of Monday, April 1, the BNL branch of the Teachers Federal Credit Union (TFCU) has relocated from Bldg. 179 to Bldg. 193 — the building on Technology Street formerly occupied by Barclays Bank of New York, which ceased operating at the Lab at the end of March.

TFCU is a full-service financial institution. Anyone holding a valid BNL identification card is eligible to join the credit union and take full advantage of its services.

The BNL branch of TFCU is open Monday through Thursday, 9 a.m. to 4:30 p.m., and Friday, 9 a.m. to 5 p.m. For more information about the credit union, stop by during business hours or call Branch Manager Lisa Goodenough on Ext. 2790.

Nursery School

The Upton Nursery School is now registering children for the 1990-91 school year. Enrollment is open to three-and four-year olds whose parent or relative is a BNL exployee. Classes are held on site in the Recreation Building, on Monday, Tuesday and Thursday mornings.

The preschool is a cooperative run by parents and experienced teachers. The non-academic program provides an excellent opportunity for three- and four-year old children to experience learning in a creative and social atmosphere. Children participate in many enjoyable activities, including art, music, cooking and outdoor play. The school also provides a unique opportunity for parents to be actively involved in their children's learning experiences.

A limited number of children may be assigned to each class, but there are still openings for September. For more information and enrollment forms, call Kathy Hershcovitch, 331-3785.

Plant Sale

Lilies, mums, azaleas, tulips — these are some of the lovely flowers that will be sold on site next week. Sponsored by the Association for the Help of Retarded Children (AHRC), the Easter plant sale will be run by AHRC volunteers, such as retired BNL'er Isidore Danowski. Its proceeds will be used to fund monthly dances for mentally retarded adults.

The plant sale will be held on Thursday and Friday, April 12 and 13, from 11 a.m. to 3 p.m., in the parking lot on Brookhaven Avenue opposite Berkner Hall, where the Farmers' Market is held.

Arrivals & Departures

Arrivals

Andrew I. Ackerman.....NSLS
Wen-Tsae Chou.....Physics
James T. Durnan.....S&EP
Vito Graziano.....Biology
Marija Ivanovic.....Medical
Richard H. Lutz.....Plant Eng.
Christopher T. White.....Accel. Dev.

Departures

This list includes all employees who have terminated from the Lab, including retirees:

Julius B. Brooks.....Plant Eng.
Donna M. Byne.....Plant Eng.
John J. Grisoli.....AGS
Joseph G. Guilmette.....Accel. Dev.
Chyan-Long Lin.....Physics
Philip Pagano.....Reactor
Vincent P. Racaniello.....NSLS
Frances B. Scesny.....Personnel

Note to Employees:

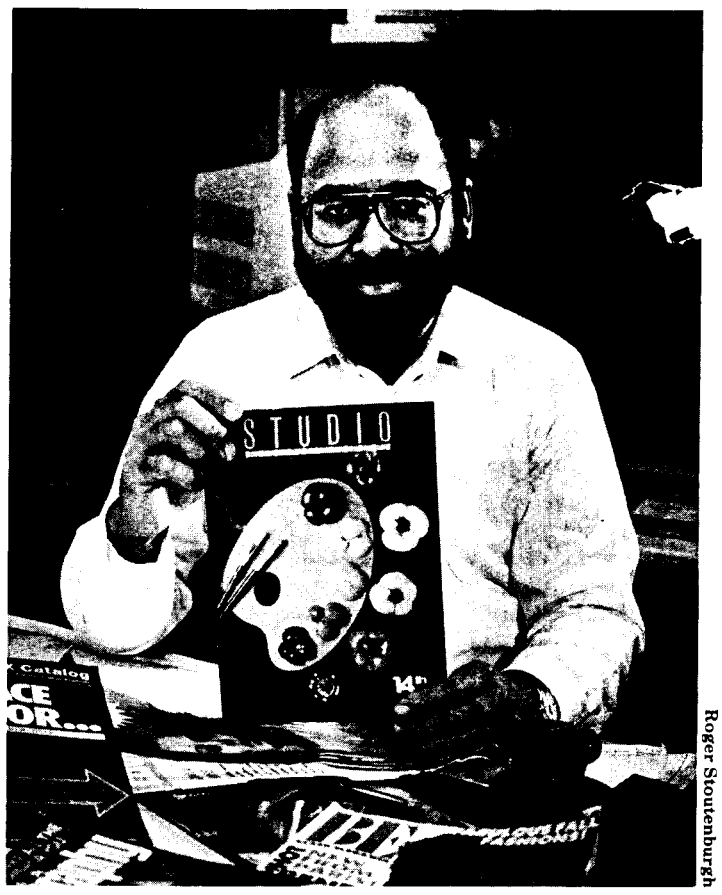
Attendance at lectures, meetings and other special progams held during normal working hours is subject to supervisory concurrence.

The Art of Photography

When Ripp Bowman is not working in the Alternating Gradient Synchrotron Department's Experimental Areas Group design room, he's usually pursuing his avocation — photography. This month, that pursuit landed his work on the cover of *Studio Photography*, a business magazine for professional photographers. Entitled "The Art of Cooking," the photograph shows an artist's palette and brushes, but where paint would normally grace the pallette sit colorful pieces of ripe, luscious vegetables. Bowman said that this interesting idea came to him while he was looking over the produce at a supermarket. "At certain times of year, the produce is so colorful," he said, "and I wanted to do something colorful."

"The Art of Cooking" has been shown in Berkner Hall, as part of the ongoing exhibit of the Camera Club, of which Bowman is treasurer, and as part of the "Black Eye" photo exhibit sponsored by the Camera Club for Black History Month. In January, the photograph took second place in the third annual photography contest sponsored by the University Hospital Auxiliary in Stony Brook.

Other Bowman photos have also won recognition recently. Last fall, his photo "Feel the Power" won second place in the People category of the Riverhead Library's 24th annual photography competition. Also last year, some 2,000 copies of his photo "Pheobe" were published in the Soviet Union as a poster, in conjunction with a tour of musicians.



Roger Stoutenburgh

Food Drive Donations Top 29,000 Pounds

BNL's April Food Drive takes place next week — April 9-13 — and the trend that has developed over past months indicates that BNL'ers will once again be very generous to Brookhaven Town's needy. In March, for example, Lab employees donated a record 3,200 pounds of food, bringing the total since November 1988 over 29,000 pounds. That's more food than any other business has contributed to the monthly Food Drive sponsored by the INTERFACE Coalition of Corporations.

Almost 100 companies belong to INTERFACE, an organization of local businesses formed in 1983 in a voluntary spirit to supplement help given to the poor by the public sector.

"Brookhaven National Lab has the most successful, most organized, most well-run Food Drive of all the members that contribute to it," said Ray Wysolmierski, INTERFACE coordinator. "We hope to use BNL's food collection program as a prototype for other companies."

Suggested for BNL by Bernard McAlary, the Lab's business manager and a member of the steering committee of INTERFACE, the Food Drive has been chaired and sustained by Carole Kerr, Director's Office.

One of Kerr's innovations has been to suggest different items for employees to donate each month. For next week's Food Drive, she is suggesting donations of cans of fruit and fruit juice.

In addition to accumulating food supplies from the 20 drop-off spots on site, Kerr accepts cash donations from employees who are unable to shop, does the shopping herself and sends the donor a receipt. Employees can also send cash register tapes from Finast and King Kullen supermarkets. She will exchange each $1,000 worth of receipts for a $10 check from the supermarket, then use it to purchase more food. Kerr is in Bldg. 460.

Roger Stoutenburgh

Standing behind a mountain of food donations are some of the BNL'ers who handle the Food Drive: (from left) Rita Kito, Director's Office (DO); Bernard McAlary, BNL Business Manager; Bob DiLello, Supply & Materiel Division (SMD); Food Drive Chair Carole Kerr, DO; and Jerry Quigley, SMD.

BNL also receives monthly food donations from Service America Corporation, which operates the food service at BNL; Taystee Baking Company, Coram; and Schmitt Farms in Yaphank. And let's not forget the employees of Physical Review who participate in BNL's Food Drive each month.

The donated food is brought to one of seven distribution points in Brookhaven Town and distributed throughout the township to feed its estimated 10,000 needy people.

BNL's food contributions help an average of about 400 local individuals, including one-parent families, families with an unemployed breadwinner, senior citizens who live alone, the handicapped, and abused women and children.

— Diane Greenberg

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

Last Concert of Season to Feature Guitarist

"Genuine musical insight and refinement . . . intense lyricism . . . startlingly fine technique and tonal sensitivity . . ." is a sample of how critics from across the nation have praised guitarist David Tanenbaum's playing. Now a BNL audience will get a chance to experience the artistry of the master guitarist at the last concert of the 1989-90 BERA concert series on Wednesday, April 11 at 8 p.m., in Berkner Hall.

David Tanenbaum

Tanenbaum's playing has inspired thirty new works for the guitar, compositions that he has premiered throughout Europe and the United States. Tanenbaum has also appeared as soloist with the Chicago Symphony, the London Sinfonietta and the Joffrey Ballet on tour of the Soviet Union.

Acclaimed by the public as well as by critics as one of today's leading guitarists, Tanenbaum is currently chairman of the guitar department at the San Francisco Conservatory. He collaborates regularly with such groups as the Kronos Quartet and the Steve Reich Ensemble. He has won several honors, including the 1977 First Prize in the Carmel Classic, the 1978 Top Prize at the Toronto International and a 1985 National Endowment Grant.

The program for Tanenbaum's BERA concert will consist of Lou Harrison's Four Pieces; Fernando Sor's Four Etudes; Johann Sebastian Bach's Partita No. 1, BWV 825, transcribed from the keyboard by Tanenbaum; Michael Tippett's The Blue Guitar; Antonio Lauro's Four Venezuelan Waltzes; and Joaquin Rodrigo's Invocation et Danse.

Tickets can be purchased at the door for $9, general admission; $6, students and those over 65; and $5, children under 18.

BERA Bus Trip To Atlantic City

BERA will sponsor a one-day bus trip to Resorts International on the Boardwalk in Atlantic City on Saturday, May 12 (Resorts is adjacent to the new Trump Taj Mahal). The initial cost will be $20, and the hotel/casino will give a $5 coin reimbursement and a return voucher.

The bus will leave the Brookhaven Center promptly at 9 a.m. and return about 11 p.m. Tickets can be purchased now at the BERA Sales Office, from 9 a.m. to 2 p.m. weekdays. If you have any questions, call Louisa Barone, Ext. 3347; Rosalie Piccione, Ext. 3160; or Kay Dellimore, Ext. 2873.

Aerobic Dance, Stretch Classes

Spring is here, and it's time to put some spring in your step — with the Aerobic Dance Club. In the spring session, instructor Pat Campbell will lead two different courses of exercise:

Classes in aerobic dance will be held on Tuesdays and Thursdays, while stretch classes will be on Mondays. Classes run from 5:15-6:15 p.m., and mats are recommended for both.

Either or both classes may be taken, and each ten-week session of aerobic dance or stretch costs $30, payable at registration preceding the first classes:

- Stretch - Monday, April 16
- Aerobic Dance - Tuesday, April 17, and Thursday, April 19.

For the location of registration, call before the first class: Bill Leonhardt, Ext. 2378; Pat Campbell, Ext. 3483; or Janet Sillas, Ext. 2345.

Volleyball

Awards Dinner

The Volleyball awards dinner will be held at the Rock Hill Country Club on Friday, May 18, from 6 p.m. to midnight. Tickets purchased by May 14 will be $15, which includes a hot and cold buffet, cash bar and music by Eddie Taylor. Tickets purchased after May 14 will cost $18. For more information, contact Kathi Barkigia, Ext. 7661.

Standings as of April 1

Open League		League I	
GTEAM	65-7	Upfagrabs	58-11
Magnum	59-13	Dinkers	51-18
Phoenix	41-31	Cannonballs	45-24
Me and the Boys	27-45	Xrayted	31-38
Dig It	25-47	Rude Dogs	23-46
Jet Setters	23-49	Upsetters	17-52
Penetrating Vollies	2-60	Network News	15-51

League II		League III	
Fossils	53-7	Lethal Women	38-10
Nuts & Bolts	48-12	MISfits	37-11
Pteropods	30-30	Nutcrackers	32-16
Net Wits	26-34	High Volley'em	30-18
Sourcerers	24-36	Renegades	23-25
Chunga's Revenge	23-37	Good Timers	20-28
Upton Ups	20-40	Bad Gnus	16-32
Slammers	16-44	Turkeys	10-38
		Spikes	7-41

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ANITA COHEN, Editor
MARSHA BELFORD, Assistant Editor
LIZ SEUBERT, Reporter

35 Brookhaven Ave., Upton, N.Y. 11973
(516) 282-2345

Golf Tournament

The first 1990 BGA golf tournament will be held on Thursday, April 19, at the Heatherwood Golf Club located on Rt. 347 in Centereach. The tournament will be conducted under the Callaway scoring system. Starting times can be obtained by contacting Joe Carbonaro, Ext. 5139. Priority will go to completed foursomes.

The greens fees are $17, which includes a $3 reservation fee; tournament entry fees are $1 for BGA members and nonmembers for this tournament only. Greens fees and entry fees can be paid to the starter in the Pro Shop. Riding carts can be obtained for $20 per cart; pull cart rental is $3. Tee-times are reserved for 10 a.m. through about 12:30 p.m., so sign up as soon as you can. Deadline for sign-up is April 17. The rain date is April 26. Questions concerning the status of the tournament can be directed to the Pro Shop, 473-9000.

Reminder: The BGA organizational meeting is today, April 6, in the Recreation Building, at about 5:15 p.m. Refreshments will be served.

Swim Club

Eight medals were awarded for top-three age-group finishes to the three swimmers who represented BNL at the New York City Parks Department masters swim meet, held at CCNY on March 4.

50-yard Freestyle		
Peter Heotis	25.24	5th men 35-39
100-yard Freestyle		
Peter Heotis	56.99	2nd men 35-39
200-yard Freestyle		
Peter Heotis	2:11.01	3rd men 35-39
100-yard Butterfly		
Peter Heotis	1:04.50	2nd men 35-39
50-yard Backstroke		
Ron Wittlock	33.41	1st men 55-59
Wlodek Guryn	35.10	4th men 40-44
200-yard Backstroke		
Ron Wittlock	2:43.31*	1st men 55-59
50-yard Breaststroke		
Wlodek Guryn	34.25	4th men 40-44
100-yard Breaststroke		
Wlodek Guryn	1:16.98	3rd men 40-44
200-yard Breaststroke		
Wlodek Guryn	2:49.95	3rd men 40-44
100-yard Individual Medley		
Ron Wittlock	1:19.70*	2nd men 55-59

*indicates personal record

On the Menu

At the Cafeteria

Luncheon served 11:15 a.m. to 1:30 p.m., grill open to 4 p.m.

Monday April 9	
Soup: Beef barley	.75/.95
Entree: Baked macaroni & cheese w/1 veg.	2.95
Entree: Shepherd's pie w/1 veg.	3.10
Fitness: Baked chicken w/1 veg.	3.00
Carvery: Pastrami sandwich	2.85
Grill: Reuben w/cole slaw	2.95
Tuesday, April 10	
Soup: Country vegetable	.75/.95
Entree: Veal Parmesan hero w/1 veg.	3.10
Entree: Fried flounder sandwich w/French fries	3.10
Fitness: Sliced turkey breast w/1 veg.	3.10
Carvery: Hot roast beef sandwich	2.85
Grill: Grilled Monte Cristo	2.85
Wednesday, April 11	
Soup: Philadelphia pepper pot	.75/.95
Entree: Roasted sliced shell steak dinner special	4.10
Entree: Cheese ravioli w/Italian bread & 1 veg.	3.10
Fitness: Spinach quiche	2.95
Carvery: Baked ham sandwich	2.85
Spice special: International burger day	
Thursday, April 12	
Soup: Potato leek soup	.75/.95
Entree: Baked ziti w/Italian bread	2.95
Entree: Meat tortellini w/tomato sauce & 1 veg.	3.10
Fitness: Steamed vegetable platter	2.50
Carvery: Hot corned beef sandwich	2.85
Grill: Grilled cheese & bacon w/fries	2.45
Friday, April 13	
Soup: Manhattan clam chowder	.75/.95
Entree: French bread pizza	1.95
Entree: Fried clams on soft roll w/1 veg.	3.10
Fitness: Catch of the day w/1 veg.	3.10
Carvery: Hot turkey sandwich w/cranberry sauce	2.85
Grill: Whaler sandwich w/French fries	2.95

Garden Plots

Spring has arrived and it's time to begin gardening! Ten-foot-square plots have been set aside in the apartment area for on-site residents who wish to grow their own flowers and vegetables.

Gardening equipment is also available. To secure a plot, contact Marina Shuryak, Ext. 3107.

Bowling

Red/Green League

E. Sperry IV had a 246/204/628 scratch series, R. Mulderig 232/611 scratch, R. Eggert 222/209, H. Dawson 211, E. Carter 208/200, S. Dimaiuta 205, D. Klein 205, L. Musso 203, C. Scarlett 203, A. Sauerwald 203, N. Parrinello 202, K. Riker 200.

Pink League

Maryann Reynolds had a 214/171, Debbie Keating 194, Pam Meehan 185, Fern Simes 184, Ann Ostheimer 181.

White League

Andy Warkentien had a 224, Rich Scheidet 202, Joe Mayeski 201, Mary Addessi 198, Lynette Finlay 182, Angela Johnson 180.

Purple League

Ted Erickson had a 233, Clem Auguste 225, Sharon Smith 197.

Basketball

Warriors 59		Runaways 54	
T. Mayo	12	J. Desmond	15
W. Cummings	11	T. Blum	13
S. Springston	10	M. Wani	8
C. Edwards	7	G. Shepherd	7
G. Mack	6	C. Norton	4
B. Gunther	5	P. Browne	4
S. Cramer	4	R. Meese	3
K. Biery	2		
A. Ratti	2		

Three-point shots: J. Desmond

Bulls 52		Scram 34	
P. Johnson	22	E. Gregory	11
S. Gilbert	16	J. Duggan	10
H. Goldsborough	5	T. Powers	6
B. O'Brien	5	S. Nappi	4
G. Smith	4	T. Daniels	2
		P. Lang	1

Three-point shots: E. Gregory

Knicks 63		Celtics 45	
G. Thompson	24	D. Hoggard	19
F. Thompson	13	A. Jones	10
R. Domenech	13	B. Turner	9
J. Belz	7	P. Brubwier	7
D. Martin	4	R. Wells	6
T. McGill	2	N. Schaknowski	4
		J. Wells	2

Three-point shots: R. Domenech (3), D. Hoggard (2), G. Thompson (2)

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 and/or appropriate bargaining unit, 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.

The vacancies listed below have been exempted by the Director's Office from the current freeze on open requisitions.

OPEN RECRUITMENT - Opportunities for Laboratory employees and outside applicants.

4194. METAL WORKER MAINTENANCE B - (2 temporary positions) Under general supervision, constructs and installs a variety of metal equipment such as sinks, gutters, ventilating hood, stands, etc. Operates machine tools and tinsmithing machines. Performs necessary brazing, welding and silver soldering incidental to the job. Requires previous experience in the trade. Plant Engineering Division.

New Members On BERA Board

Roger Stoutenburgh

Congratulations to the new members of the Executive Board of the Brookhaven Employees Recreation Association (BERA): Betty Pergan (left), Department of Applied Science; and Maryann Reynolds, Safeguards & Security Division. They replace outgoing members Rosalie Piccione, Division of Contracts & Procurement; and Doris Terry, Department of Nuclear Energy; and join the other six Executive Board members: Rick Backofen, Photography & Graphic Arts Division; Michele Cummings, Management Information Systems Division; Skelly Frei, Reactor Division; Lawrence Musso, Safeguards & Security Division; Jean Ramirez, Department of Nuclear Energy; and Sharon Smith, Physics Department.

Bus Trip Planned To U.S. Open

The Tennis Committee has scheduled a repeat of its popular bus trip to the U.S. Open Tennis Championships at the National Tennis center in Flushing. The date is Tuesday, September 4. The bus will leave from the parking lot by the Lab's tennis courts at 8:30 a.m. and make one or two stops at Park & Rides on the Long Island Expressway. Departure from the National Tennis Center will be at 7 p.m.

The cost of the trip is $31 per person, which includes a ticket for the day session (now $18) and the round-trip bus fare.

Paid reservations are being accepted in the BERA Sales Office. Sign up early, as there are only 49 seats available on the bus.

4201. OFFICE SERVICES POSITION - (part-time) Will act as night clerk in the Housing Office. Responsibilities will include distributing keys to guests, collecting money and maintaining records of transactions on data base. Additional duties will include typing housing agreements, transmittals, monthly bills and invoices, handling service and emergency repair calls. Previous data entry experience and accurate typing skills required. Will work three evenings a week (1600-2400) after one month's training on day shift. Staff Services Division.

4202. CARPENTER (temporary) - Under minimum supervision, lays outs, constructs, modifies and maintains buildings and component parts from construction drawings, rough sketches or verbal instruction. Works with wood, wood substitutes and combination materials, and flooring, roofing and wall materials. Plant Engineering Division.

4203. CARPENTER (2 positions) - Under minimum supervision, lays out, constructs, modifies and maintains buildings and component parts from construction drawings, rough sketches or verbal instruction. Works with wood, wood substitutes and combination materials, and flooring, roofing and wall materials. Plant Engineering Division.

4204. HEAVY EQUIPMENT MECHANIC-OPERATOR - Requires demonstrated ability to maintain, repair and operate all material handling, earth-moving, road and ground maintenance and related equipment. Candidate must have a valid Class 1 license. Plant Engineering Division.

4205. PROGRAMMING POSITION - Requires a BS in computer science and experience in writing COBOL programs. Will be responsible for programming on-line data bases and developing flow charts, installing, testing, documenting and maintaining business applications for department. Programs will include budget, payroll, cost reporting and other administrative functions. Knowledge of HP programs (VIEW and IMAGE) and familiarity with PC software (WordPerfect and LOTUS 1-2-3) desirable. Department of Nuclear Energy.

Motor Vehicles & Supplies

89 FORD PROBE LX - all power, ac, moonroof, cruise, a/t, 6-speaker stereo, showroom cond., $11,500. 473-8122.

88 NISSAN SENTRA - 2-dr., gray, 4-spd., am/fm cass., good cond., $4,900 neg. Ext. 5475 or 369-4099 after 6 p.m.

86 5th WHEEL TRAILER - 25', ac, refrig./freezer, spare, Faulkner awning, dbl. sink, TV antenna, brake controller, hitch. Walter, Ext. 3457.

86 NISSAN MAXIMA SE - V-6, 5-spd., ac, alarm, am/fm cass., cruise, p/sunroof, full power, $7,900. Gary, Ext. 4532.

86 ESCORT - h/b, 4-dr., dark red, 5-spd., 73k mi., clean. 722-3887 after 4 p.m.

86 TOYOTA PICKUP - 5-spd., 59k mi., 31" tires, tinted windows, am/fm stereo cass., w/amp., much more, $6,300. Danny, Ext. 4988 or 286-8541.

85 MERCURY MARQUIS WAGON - V-6, 3.8 litre, 6-passenger, 59k mi., ac, cruise, am/fm, extras, excel. cond., $4,500. Bill G., Ext. 7961 or 929-3082.

84 FORD ESCORT - 50k mi., good body, interior & tires, new exhaust system, motor needs work. Frank, Ext. 2314 or 567-5131.

84 LINCOLN TOWN CAR - p/b, p/s, am/fm cass., ac, alarm, excel. cond., asking $7,000. 727-4041.

84 CAMARO Z-28 - red, p/w, p/s, p/b, ac, 62k mi., alarm, a/t, excel. cond., $5,900. Ext. 2903.

84 TOYOTA COROLLA SR5 - sport coupe, 5-spd., 79k mi., stereo cass., orig. owner, excel. cond., $3,500. Ext. 7988.

84 CHEVY CELEBRITY CL WAGON - a/t, ac, stereo cass., 72k mi., excel. cond., $3,500. John, Ext. 3302 or 924-0651.

83 CHEVY S-10 PICKUP - 4-spd., long-bed, 67k mi., v.g. cond. 325-0447.

81 CUTLASS - new trans., brakes & exhaust system. 727-7397 after 6 p.m.

81 MALIBU CLASSIC NOSE - in mint cond. 727-0082.

80 VW RABBIT - diesel, good engine, parts. Moorthy, 331-8022.

80 DATSUN - am/fm cass., new exhaust system, excel. running cond., $750. Ext. 3537 or 399-4399.

80 MERCURY - 4-dr., gray, am/fm stereo cass., best offer. O. Booker, Ext 3082 or 727-5912.

80 FORD MUSTANG - 4-spd., 4-cyl. 472-8044.

79 SUNLINE TRAVEL TRAILER - sleeps 6, new tires, battery, brakes, stands & awning, excel. cond., $4,200 neg. Artie. Ext. 4988 or 325-0743.

78 CAMARO - high mileage, no dents or rust, runs, $700. Rich, 878-1580 after 6 p.m.

77 PONTIAC FIREBIRD - 400 Cid. TH-350, very fast, black, all access., parts for T.A. style, excel. sound system. Tim, Ext. 3496.

77 OLDS DELTA 88 - red w/white top, body & interior excel., needs engine work. Pat, Ext. 4561.

76 PACER - a/t, 80k orig. mi., runs well, $400 neg. John, Ext. 3302.

76 BLAZER - body needs some work, well maintained, runs well, $1,500 neg. 732-3594.

74 PLYMOUTH SATELLITE - 318, ac, p/s, p/b, runs well, needs tranny work, $600 or best offer. Eric, Ext. 3677 or 821-9453.

74 HONDA CB 360 - rebuilt eng., new valves, rings, brakes, front tire, runs well, $450. Pete, Ext. 4100.

74 HONDA CB 750 - red, needs minor adjustments, 27k mi., new tires, great fun for only $200. 874-8646.

73 GMC VAN - ac, p/s, body needs some work, runs well, $550 neg. 732-3594.

73 OPEN-ROAD MOTOR HOME - 20', fully self-contained, sleeps 3 adults, cruise, Dodge chassis, $7,500. O. Booker, Ext. 3082 or 727-5912.

72 DODGE DART - good for parts, best offer. Frank, Ext. 2314 or 567-5131.

72 PORSCHE 914 - not driveable at present, not stripped, best offer or junkman gets it. 929-3759.

MAG WHEELS - alum., Western, 5-lug, BF Goodrich radials, 31x10.50R15LT, $325. Al, Ext. 2795.

TIRES/RIMS - 3, 35x12.50R16.5LT tires, 3, 8-lug chrome rims for Ford. 567-1677.

NOMAD TRAVEL TRAILER - 18', self-contained, sleeps 5, excel. cond, $2,700 neg. John Ext. 3302 or 924-0651.

SLIDE-ON CAMPER - 11½', fully self-cont., sleeps 4, $1,200. Ext. 4100 or 929-5872 after 6 p.m.

TIRE - new, 721 Firestone, 234/75R15, Eldo rim, make offer. Ernie, 588-4987.

Boats & Marine Supplies

31' C&C SLOOP - shoal draft, family cruiser, fg & teak, Atomic 4 wheel, 7 sails, v.g. cond., asking $16,000. McGeary, 363-2796.

25' CABIN CRUISER - 1989, sleeps 5, galley, head, hot water, full canvas, low hours, swim platform. Dick, 325-1677.

25' MORGAN SAILBOAT - keel/cb, great bay boat, new sails, outboard, $6,000. Eiseman, Ext. 4008.

23' O'DAY SAILBOAT - 4 sails, 9.9-h.p. elec. start Evinrude, sleeps 4, $6,200. Ext. 4681 or 924-6937.

23' O'DAY - loaded, cruisng, racing, 6-sails, VHF, Loran, depth/speed, dodger, solo handling, excel. cond., extras, $13,500. 286-1024.

22' GLASTRON AVENTURA 225 - 1981, 185-h.p. Mercruiser i/o, FWC, low hours, VHF, DF, swim platform, fully equipped, $8,800. Ed, Ext. 7943.

19' BOWRIDER CRUISER - 1972, w/1976 115-h.p. Johnson, Coast Guard pkg., trailer w/electric winch, $3,000. Frank, Ext. 2314 or 567-5131.

19' BAYLINER CUDDY - 1986, 125cc ob., trailer, electric winch, $6,500 or possible trade w/car or truck. Mike, Ext. 2434.

17' BOWRIDER SPORTCRAFT - deep V, 175-h.p. Mercruiser i/o, w/trailer, full canvas, v.g. cond. Rod, 878-1580 after 6 p.m.

16' HOBIE CAT SAILBOAT - w/trailer, fast, fun, etc., $1,700 or best offer. Rolf, Ext. 2305 or 286-2045 eves.

JET SKI 650XS - 1987, w/trailer, modified professional, 50+ mph, $2,000 worth of extras, mechanical artwork, $3,600. 874-8646.

YAMAHA WAVE RUNNER - 1989, very low hrs., w/trailer & 2 vests, excel. cond., $3,800 or best offer. 744-1610.

MOTOR - 1984, 115-h.p. Johnson, VRO, p/tilt & trim, s/s prop, low hours, excel. cond., $2,200. John, 331-3724

Furnishings & Appliances

WASHER - Kenmore, portable, for apt., good cond., $100. O.Booker, Ext. 3082 or 727-5912.

BEDROOM SET - 7-piece, Mediterranean, $350. 878-9239.

CLOISONNE CLOCK - 3 pieces w/crystal door, valuable, for collection, $450. 821-5240.

FREEZER - Amana, 16 cu. ft., upright, good cond., $75 or best offer. Haug, Ext. 5156 or 581-4436.

FURNITURE - 3 bureaus, $30 ea.; desk, $25; tubular frame chairs, $30 ea.; long mirror, $5. 744-3744.

BEAN BAG CHAIR - new, $5; 16" chainsaw, w/new chain, $60. Ext. 2833.

LARGE FRAMES - $20; 92" gold couch, $75; General Electric washing machine, $50; Sears Kenmore dryer, $50. Kathy, 744-2203.

PAINTING - large, oil, girl playing piano, $200. 744-1912 after 8 p.m.

BEDROOM FURNITURE - Colonial, triple dresser, mirror, dresser, $125. 924-1346.

BOX FAN - 20", $10. 589-0625.

TRESTLE TABLE - & hutch, Col., good cond., make offer. Mike, Ext. 7165 or 758-2457 after 9 p.m.

WATER BED - king-size, 5 mo. old, w/3 sets sheets, doesn't fit in new house, $275. Nancy, 744-1610.

LIVING ROOM FURNITURE - sofa & 3 arm chairs, $100; sofa/loveseat, 2 lamps, coffee tables, like new, $600. Ext. 3702 or 751-1042 after 7 p.m.

STEREO/RADIO - in mahogany cabinet, $20; thermal drapes, approx. 8'x11', w/accessories, brown print, $15. Dan, 589-2681.

Tools, House & Garden

GARDEN TOOLS - many rakes, hoes, shovels, spades, etc., some new, some used, $5/each. D. Vail, Ext. 2021 or 2067.

DOORS - 29"x80", thermal profiles, steel doors, white 9-light cross hatch w/o locks, $40/each, $75/two. 475-6056 after 6 p.m.

WINDOWS - 2, thermal vinyl, w/fiberglass screens; 3 double hung; 1 fixed, 27"x46", 1 24"x25", 1 16"x20", $15/each. P. Akins, Ext. 5235.

LAWN MOWER - 3 h.p., $25. Tony, 281-4799.

LAWN SWEEPER - 38", pull behind, 3½ years old, good cond., orig. $379, sell for $95. Steve, 722-3744.

SNOW PLOW - Meyers, 7', complete w/accessories, best offer. Jim, Ext. 5319.

RIDING MOWER - Simplicity, 1986, 8 h.p., 30" cut, good cond., $450. Tom, Ext. 4507 or 878-1060.

TOPSOIL - fine screened, delivered. 696-6011, leave message.

LAWN MOWERS - Lawn Boy, $25, Lawn Square, $20, need tune-ups; artificial Xmas tree, 6' w/lights, decorations, $15. Dan, 589-2681.

Sports, Hobbies & Pets

PIANO - Hardman spinet, excel. cond., $900. Ext. 3866 or 924-9567.

PING-PONG TABLE - like new, $50. Tony, Ext. 4605 or 281-4799.

CLARINET - professional, Signet, excel. cond., $250; student model, $125. Jim, Ext. 3372.

FISH TANK - 100 gallon, seamless, $200. Kathy, 744-2203.

DOLL COLLECTION - 727-0082.

BUNNIES - outdoor raised, $6. John, 924-3528.

DOLLHOUSE - miniature Tudor w/all rooms furnished, $75. Irene, 734-7342.

PIANO - cable, spinet, good cond., 20 years old, $900. 744-1912 after 8 p.m.

STRINGING MACHINE - for tennis rackets, $50. 589-0625.

Audio, Video & Computers

COMPUTER - Apple 65 II, color monitor, 1 MG mem., joy stick, mouse, 2 disk drives, color printer, much more, $1,995. 567-2706 after 5 p.m.

COMPUTER - Tandy 1000TX, color monitor, dot matrix printer, software, IBM-PC/AT compatible, $1,600. Doug, Ext. 5857 or 281-7419 after 6 p.m.

STEREO - Sony, am/fm cass., recorder, detachable speakers, good cond., $35. Wendy, 399-4399.

COMPUTER - NEC Power Mate 2, AT compatible, 40MB hard drive, dual floppies, 14" monitor, modem, more. $1,500. Dan, 757-3517.

TURNTABLE SYSTEM - Technics SL-D3, direct drive, brand-new, in box, $50. Rich, 475-0373 before 2 p.m.

Miscellaneous

HEALTH CLUB MEMBERSHIP - Jack LaLanne, lifetime gold membership, valid at any club, no extra charges, $550. Celeste, 878-4356.

BABY'S SWING - Graco Swyngomatic, $5; Fisher Price bath tub, $2; Perego carriage, $15. Kathryn, 929-4663.

GLASS FLOWER CART - $18; glass bunny, $10; crystal Easter basket, $20. Kathy, 744-2203.

BUDDHIST ALTAR - cherry wood, and related sacred objects, $1,500. Pat, Ext. 2456.

PROM DRESSES - knee length, burgundy, size 5; peach, size 7, excel., $35/each. 473-6546.

BABY'S FEEDING DISH - electric, $8; Fisher Price bath center, $8; Shelcore bath baby seat, $5. 589-0625.

Free

SIBERIAN HUSKY - pedigreed, female, spayed, brown & white w/blue eyes. Dan, 589-2681.

CAT - male, neutered, black, affectionate, needs good home. 588-9012 eves. or Fran, Ext. 4215.

PUPPIES - 6 black, 3 tan, mixed-breed, mother golden retriever, father unknown, 6 weeks old. 281-0360.

PATIO BLOCKS - free, 7½ x 15, you pick up. Tom, Ext. 5265.

CHAIN SAW - guide bar and 2 saw chains for McCulloch, Model EM 12A. Bob, Ext. 4044.

FIREWOOD - from an old fence. Ady, Ext. 4531 or 331-3785.

UTILITY TRAILER - usable condition. Mike, Ext. 7165 or 758-2457 after 5 p.m.

Yard & Garage Sales

NORTH SHIRLEY - April 14, 10-4 p.m., 285 West End Ave. Ext. 7226

Car Pools

MORICHES AREA - need ride to Lab, 7 a.m.-3:30 p.m. Terry, Ext. 2232.

BOHEMIA-OAKDALE-SAYVILLE - need 2 drivers, also can meet at Exit 59 LIE. Frank, Ext. 2314.

COMMACK - or LIE Exit 56, P&D, additional drivers needed, 8:30-5:00. Conrad, Ext. 4754.

HUNTINGTON - Dix Hills area. Ext. 5277.

Real Estate

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

For Rent

CORAM - 2-3 bdrm. house, newly decorated, l/r, eik, full bath, private ½ acre, 20 min. BNL, $800/mo. + util & sec. Bill, 732-3549.

MATTITUCK - 2-bdrm. ranch, garage, porch, full bsmt., l/r, d/r, deck, near water. Dave, Ext. 2076.

MEDFORD - furn. studio apt., room w/priv. bath, priv. ent., small refrig., microwave, no pets, non-smoker, $100/wk. incl. all + 1 wk. sec. 475-7250.

MEDFORD - new 1-bdrm. apt., eik, l/r, full bath, priv. ent., cable, own thermostat, use of yard, 15 min. to BNL. Betty, 758-2653.

MEDFORD - brand-new, 2-bdrm. apt., kit.-l/r combo, closet space, w/w, priv. ent., 12 min. to Lab, working couple, $700/mo. 475-9718.

MIDDLE ISLAND - Artist Lake, 1-bdrm. condo, upper unit, cac, clubhouse w/pool, tennis, 10 min. to Lab, $650/mo. incl. heat, avail. April. 736-6023.

PORT JEFFERSON STATION - new 1-bdrm. apt., w/w, priv. ent., eik, no pets, $625/mo. incl. all & cable. Peggy, 473-9114.

RIDGE - 1-bdrm. apt., full bath, l/r, w/w, cable, priv. ent., 5 min. to Lab, mature working person, $625/mo. incl. all, + 1 mo. sec. Mike, Ext. 7625 or 924-0341.

SHIRLEY - 1-bdrm. apt., eik, l/r, full bath, w/w, quiet residence, 15 min. from Lab., $575/mo. incl. util. 281-1840.

SMITHTOWN - 1-bdrm. apt., priv. ent., cable, mature working person, $500/mo. incl. util., avail. immed. 981-6088.

HILTON HEAD, SC - 2-bdrm. condo, sleeps 6, tennis, golf, beach, pool,. $425/wk. 689-5378.

LONDONDERRY, VT - modern, 4-bdrm. pondside chalet, 2½ baths, stone fp, swimming, fishing, hiking, beach, near theatres, more; rent summer, by week; winter, ½ season. 757-5599.

For Sale

BELLPORT VILLAGE - 3-bdrm. ranch, 1 car gar., 1 bath, eik, $180,000. 286-6466.

CENTEREACH - 4-bdrm. high ranch, l/r, d/r, eik, 2 full baths, large fam. rm. w/fp, deck, pool, large fenced yard, $148,900. 698-8514 after 5 p.m.

GREENLAWN/HUNTINGTON - 4-bdrm., 2½ baths, wooded acre, swimming pool, fp, ac, sprinklers, 2-car gar., $325,000. 757-5599 or 212-935-8975.

MATTITUCK - 2-bdrm. ranch, l/r, d/r, full bsmt., gar., deck, near water. Dave, ext. 2076.

MEDFORD - 3-bdrm. center-hall Colonial, 1½ baths, eik, d/r, l/r, den, 1 car gar., 0.4 acre, $139,900. 286-1571.

MIDDLE ISLAND - Lake Pointe, 2 bdrm., l/r-d/r area, closet space, w/d, all appl., w/w, a/c, gas heat, wood deck off master bdrm., ask. $78,500, neg. Bob, 924-7316.

OAKDALE - 3-4 bdrm. ranch, eik, l/r, den, wood floors, full fin. bsmt., poss. m/d, full sided, ¼ acre, mint cond., $164,900. Ext. 4826 or 736-0651.

RIDGE - 3-bdrm. townhouse, 1½ baths, cac, w/w, all appl., encl. redwood patio, storage room, low monthly maint., 5 min. to Lab, priced to sell. Mary, 924-4328.

RIDGE - 2-bdrm. duplex, 1½ baths, eik, cac, w/w, all appl., 5 min. to Lab, $79,900. Erik, Ext. 2437.

ST. JAMES - 4-bdrm. Cape, oak and ceramic floors, full bsmt., 2-car gar., walk to shopping, $164,500. 751-9096 or Ext. 4138.

SETAUKET - central-hall Colonial near SUNY, 4 bdrm. w/master suite, 9 rooms, 2-car gar., bsmt., igp, ½ acre, sacrifice at $206,000. 751-9096

SHIRLEY - 4-bdrm. contemporary, 2½ baths, bsmt., decks, skylights, cac, 15 min. to Lab, view of Bellport Bay, $299,990. 395-4627.

SHOREHAM - 3-4 bdrm. California-style ranch, ½ acre, ig sprinklers, eik, l/r, d/r, 1½ baths, new carpeting, 6 min. to Lab., $163,000. Ext. 2833.

SHOREHAM - 4-bdrm. Colonial, 2½ baths, d/r, fam. rm., den, oak floors, 2 car gar., full bsmt., fenced yard, $167,000. Anneke, 744-2937.

WADING RIVER — custom, multi-level contemp., acre, decks, pool, skylights, fp, Jennaire stove, all appl., w/w carpet, quarry tile, jacuzzi, $209,000. 283-0155.

YAPHANK - 3-bdrm. condo, 2½ baths, fin. bsmt., wood floors, ac, 5 min. to Lab., $120,000. 751-2216.

PALM BAY, FL - 2-bdrm. condo, near Melbourne Beach, 2 baths, l/r, d/r, kitchen, w/d, pvt. screened patio, completely furn., heated pool, near beach, malls, ask. $70,000. 698-8514 after 5 p.m.

Wanted

MILITARY UNIFORMS - esp. women's, from WWI or WWII, for priv. collection, will have good home. R. Sprague, Box 27, Hartwood, VA 22471.

APARTMENT - Mid. Is./Yaphank/Ridge vicinity; furn. or unfurn., for single professional & well-behaved cat, both nonsmokers. Anne, Ext. 5055.

TRAINS - Lionel & American Flyer, and accessories, top $ paid. Bruce, 924-4097.

COAL STOVE PARTS - Haas & Sohn. Ext. 25-

LAWN MOWERS - old, will buy depending on cond., etc. Dan, 698-7322 days, or Ext. 4987 eves.

BABY'S CRIB - with or without mattress. JoAnn, Ext. 4120.

BRIDGE PARTNERS - to play with visitor, intermediate level. Ext. 2868.

HOME - for 5-mo.-old German shepherd mix puppy, black/silver, very affectionate. 878-4832.

HARD DRIVE - 40 Meg or higher for IBM clone, cheap. Pat, Ext. 4561.

WHEELCHAIR - portable to fit in car trunk. Pat, Ext. 2939.

OLD DOLLS - and novelties. 475-4199.

HOUSE - east of BNL, within 15-mi. radius, moderately priced. 924-2933, leave message.

CAR STEREO - with cassette am/fm, reasonably priced. Brenda, 924-3004 after 5:30 p.m.p

BOY SCOUT UNIFORM - man's med., shirts 30-31L, long pants & shorts. 744-5553 after 5 p.m.

KNOWLEDGEABLE PERSON - in horseracing, training, betting, history, etc., to participate in BWIS scholarship fundraising. Ruth, Ext. 7226.

WOMEN SOFTBALL PLAYERS - experienced, for League IV BNL team. Denise, Ext. 3406.

Services

*Services are listed in the first **Bulletin** of every month as a courtesy to BNL employees. They are neither screened nor recommended by the Bulletin. Services forms are available in the Bulletin lobby, Bldg. 134.*

AUTOMATIC LAWN SPRINKLERS - free estimates, professional layouts, repairs, alterations, courteous service, BNL discount. Lou, 928-7042.

BABY-SITTING - available for the summer. Mrs. Maldonado, 696-0139 after 3 p.m.

BABY-SITTING - college student avail. afternoons, eves, weekends. Sharon, 929-6495.

BALLOON DECORATING - custom, for all occasions, specializing in weddings, arches, hearts, centerpieces and more. Linda, 821-3009.

BRICKWORK - patios, walks, swimming pools, retaining walls, landscaping ties, Belgian block, 20 yrs. exp., Lab discount. Tony, 698-9274.

GENERAL CONTRACTOR - carpenter, extensions, dormers, gar. conversions, bsmnts., decks, kitchens, licensed, free estimates. 698-2501.

HOUSE CLEANING - reliable woman, reasonable rates, refs., avail. Linda, 589-9258.

INCOME TAXES - prepared by tax consultant, your home or mine, reasonable, serving Lab people for 15 years. John, 732-2472.

INCOME TAX PREPARER - all financial services, avail., BNL discount. JoAnn, 395-5713.

LAND CLEARING - incl. landscape design, using excel. rake on 450 loader, $70/hr. w/operator. Tom, 878-1060.

LANDSCAPING - spring cleanups, tree & shrub removal, mulching, thatching, free estimates, reasonable rates, insured. Jack, 345-5695.

LAWN MOWER REPAIR - also small engine services and repair, reasonable rates. Dan, 698-7322 days.

LOCKSMITH - sales and service, 10% Lab discount, keys cut during lunch. Pete, 399-2813 after 5 p.m.

PAINTING - spray paint your steel entrance doors, refinish storm doors, any color, reasonable rates. 475-2509.

PAINTING - interior, exterior at reasonable rates, BNL refs. Pat, 924-2298, eves & weekends.

PARTY RENTALS - for all occasions, tents, tables, chairs. Joe or Tom, 878-3546.

PARTY TENTS - for rent, we set up & take down. Fred Kuehl, 588-2268.

PLUMBING — all phases, heating, remodeling, fixtures, experience, free est. Joe, 345-3923.

PLUMBING & HEATING ALTERATIONS - and repair work by retired BNL employee. 472-1205.

ROTOTILLING - custom rototilling, lawns and gardens, re-seed, etc. Bob Mosley, 732-9517.

ROTOTILLING - lawns & gardens, Troybilt, tiller, hills and furrows, no job too small. 654-5049 after 5:30 p.m.

RUG SHAMPOOING - very reasonable, Lab discount. Jerry, 924-6019 days.

SEAMSTRESS - clothes made or altered at reasonable prices. Donna, 924-1684.

SHEETROCKING - & spackling, free estimates. Kevin, 563-9855.

TUTOR - certified math teacher will tutor your child. 281-8853 eves.

VAN DRIVER - for hire, will pick up or deliver any load, Nassau, Suffolk, very reasonable and dependable, Lab discount. 744-5387.

VIDEO - Flair Video, call to see wedding demo tape, weddings starting at $500, professsional service at affordable prices. Ray, 878-1947.

WORD PROCESSING - professional, fast results, 9 years' experience, IBM PC Wordstar, letter quality, reasonable rates. 928-7571 after 6 p.m.

YARD MAINTENANCE - spring cleanups, lawn mowing, shrub & tree trimming & planting around Wading River low rates. 929-8876, leave message.

In Appreciation

We wish to extend our heartfelt thanks to all our friends who helped make our farewell party an evening we'll never forget. We'll miss you all.

— Your Friends at Barclays