BROOKHAVEN BULLETIN
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BROOKHAVEN NATIONAL LABORATORY

BNL Leads $17.8-Million Program to Improve Safety Of Soviet-Designed Nuclear Power Reactors

The worst nuclear reactor accident in history — the explosion of the Soviet Union's Chernobyl-4 — released an estimated 50 million curies of radioactive material into the environment on April 26, 1986.

Thirty-one Chernobyl workers died, and 200 people at the site were hospitalized due to excessive radiation exposure — but, even yet, the long-term damage cannot be fully assessed.

Though the Soviet Union is now gone, Russia still operates a dozen of these Chernobyl-type reactors, known as RMBKs, and another four are in use in Lithuania and Ukraine. These graphite-moderated, boiling-water reactors have been upgraded, but their design is seriously flawed. So, the U.S. position is that they should be shut down.

In addition, more than 42 Soviet-designed, pressurized-water reactors, known as VVERs, are operating in Russia, Ukraine, Hungary, Bulgaria, the Czech Republic and Slovakia. Sixteen new VVERs are also under construction. With substantial safety improvements, these reactors could continue to function.

Because of the absence of effective nuclear regulatory authorities in Russia and the rest of Eastern Europe, and these countries' lack of resources needed to upgrade and maintain these nuclear power plants, the U.S., along with Britain, Canada, France, Germany, Japan and Italy, has instituted a program to assist in improving the safety of Soviet-designed reactors.

The International Nuclear Safety Project Office (INSPO) of the International Projects Division (IPD) in BNL's Department of Nuclear Energy (DNE) was selected to manage the program by the U.S. Department of Energy (DOE), with the concurrence of the U.S. Agency for International Development (AID) and the U.S. Department of State. Funded with $17.85 million for fiscal year 1992 from DOE via AID, the project began last October and is expected to be completed by December 1995.

"BNL was chosen to oversee the project because of our extensive experience in managing international safeguards programs and our in-depth knowledge of the safety of Soviet-designed reactors," said DNE Scientist and IPD Head Ann Reisman.

Roger Stoutenburgh

Robert Fitzpatrick (left), Ann Reisman and William Horak from Brookhaven's Department of Nuclear Energy (DNE) discuss fire prevention in nuclear reactors, as part of the DNE-led project to improve the safety of existing Soviet-designed nuclear reactors in Russia and the rest of Eastern Europe.

Others from DNE with major roles in the project are: Nuclear Engineer and INSPO Group Leader William Horak, Senior Research Engineer and INSPO Manager Robert Fitzpatrick, Nuclear Engineer James Guppy, Research Engineer William Shier, and Scientist Sonja Haber.

They have also received additional support from DNE Chairman Romney Duffey, BNL Associate Director Seymour Baron and others in the Director's Office, the DOE's Brookhaven Area Office, BNL's Division of Contracts & Procurement, and DNE's Administration Division.

Reducing Risk

"The thrust of the project is threefold," explained Horak. "First, we will help to establish training centers in Russia and Ukraine. There, we will work closely with the owners and operators of the nuclear power plants in the area of safe operating and maintenance procedures.

"Second," Horak continued, "we'll be proposing short-term, risk-reduction measures, which may involve installing better electrical backup systems, better instrumentation, and better ways to fight fires, as well as improving confinement systems, until the RMBK plants can be shut down in two to three years.

"Finally, we want to upgrade the VVER 1000s, which need to be modernized to meet Western safety standards," concluded Horak. "Moreover, we will be providing training for the operators of these plants, and improving plant capacity and reliability."

Reisman explained that approximately $3 million of the current annual funding is tagged for INSPO expenditures. These funds will be used for project management, and technical direction and oversight. The remainder of funding will be used

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New Avenue for Resolving ES&H Concerns

Just as BNL employees, contract workers and guests have an obligation to comply with the Lab's environment, safety and health (ES&H) requirements, they also have the responsibility to report any unsafe conditions within the workplace that may threaten their physical well-being or violate ES&H standards.

If unsafe or unhealthful conditions are found, BNLers have been asked first to alert their line management. If an individual is not satisfied with the response from management, then the person could turn to the department or division's ES&H coordinator or the ES&H representative from the Safety & Environmental Protection Division (SEP). Employees covered by labor agreements may have their ES&H concerns addressed through the labor-grievance process.

In the past, if individuals were still not happy with the solutions, their only recourse would be to bring their problems to the attention of the U.S. Department of Energy (DOE), via the on-site Brookhaven Area Office.

Now, however, Employee Relations Counselor Susan Foster, Bldg. 185, Ext. 2888, may be brought in to oversee an investigation of the situation and its correction, under a new ES&H employee-concern program. If so requested, Foster will make every effort to handle ES&H matters confidentially.

As Employee Relations Counselor, "I have handled a few such problems in the past, in an attempt to find prompt and fair solutions to work-related conflicts that have not been solved through the supervisory chain," explains Foster. "The only difference is that, now, I am formally a part of the concern program which employees and others working on site may utilize in trying to resolve ES&H problems on site. Before, those with ES&H complaints may not have realized that turning to me was an option."

By involving her position in the ES&H complaint process, "The Lab is demonstrating that it wants to encourage employees to bring their ES&H concerns to management's attention and to assure all that the

(continued on page 2)

Roger Stoutenburgh

Susan Foster

Flack to Be Recognized By Long Island Black Educators

Yreana-Renée Flack, Office of Educational Programs (OEP), will be presented with an "Excellence in Education" award by the Long Island Black Educators Association at its annual scholarship ball, at the Marriott Hotel in Uniondale tomorrow evening.

Flack is being honored for designing and implementing OEP's Environmental Education Outreach Program. Funded by the U.S. Department of Energy, Office of Environmental Restoration and Waste Management, the program's goal is to promote an interest in environmental science as a career choice among high school students who belong to minority groups underrepresented in this field.

In this program, about 40 Wyandanch High School students now attend a two-and-a-half-hour class covering various environmental topics each week for one semester at Suffolk Community College.

Three Wyandanch teachers and an instructor from the college are teaching the course, based on the syllabus they wrote after attending summer enrichment sessions during the Minority High School Apprentice Program at BNL.

Five outstanding students will be chosen from the current group to attend a one-week, mini-semester program at Brookhaven in April. The students will stay on site, attend lectures on such topics as "Analyzing Environmental Hazards" and "Injury Prevention" offered by Brookhaven researchers, and tour pertinent areas of the Lab.

These students will be invited back to Brookhaven in August for a month-long residency, during which they will delve into environmental science more deeply.

Roger Stoutenburgh

Yreana-Renée Flack

"I'm honored to receive this award and gratified that the two-year-old environmental science program is such a success," Flack said. "It's one of dozens of programs Brookhaven Lab offers students — from elementary school to the postgraduate level — to promote interest in science."

Flack started her career at BNL in 1965, as a clerk in the Personnel Division and, later that year, moved to the Contracts and Procurement Division. In 1971, she started working in the Director's Office as an equal opportunity assistant, and, by 1983, she had worked her way up to Senior Equal Opportunity Representative. She joined OEP in 1990.

While working full-time at the Lab, she earned her AAS from Suffolk, her B.S. from St. Joseph's College and her MBA from Dowling College.

Leaving the Lab — After 35 Years or More

Jim Costanzo, Reactor Division

When Jim Costanzo was nearing graduation from New York's Agricultural & Technical College at Farmingdale, he knew that he was one of the lucky few who, before graduation, already had a job lined up for after.

Little did he know that the Lab would be his only civilian employer, that he would have an almost 38-year BNL career, and that he would spend all of it in the Reactor Division.

With an associate's in applied science, "I graduated on June 18, 1955, started work on the 20th and became a father for the first time that July — now that was planning," muses Costanzo, who is retiring next Wednesday, March 31, as a reactor support specialist.

Born in Bellport, raised in Patchogue, and a Korean War veteran of the U.S. Navy who made a world cruise through the Panama and Suez Canals aboard the U.S.S. Worcester, Costanzo came home after four years of service, to complete his education under the G.I. Bill.

"In the Navy, I was an electronics technician, responsible for controlling the firing of the big guns, so that is what got me interested in specializing in industrial instrumentation at Farmingdale," he explains.

Job Promise

Promised a job in March 1955, Costanzo started work that June as a technician B in the Reactor Instrumentation Group, installing and modifying instruments for the world's first reactor for peacetime research and BNL's first, the Brookhaven Graphite Research Reactor.

"The Graphite Reactor was just a big cube of graphite with air flowing through it — nothing as innovative and challenging as the HFBR," comments Costanzo. "The HFBR has many more and different instruments in the control room than did the Graphite Reactor, and, as the operating regulations have increased, especially after Three Mile Island, so have the number of instruments and their complexity."

After the Graphite Reactor, which operated from 1950 to 1968, but before the HFBR, which came on line in 1965, Costanzo helped in the commissioning of the Medical Research Reactor, in 1959. "I remember working until 3 or 4 o'clock in the morning putting that one into service," he says.

Promotion Chain

While installing, maintaining and upgrading the instrumentation that controls each reactor and, hence, its chain reaction, Costanzo was given a chain of promotions: to a technician A in December 1956, a senior lab technician in June 1958, and a senior technician in January 1959. He first became a technical specialist III and then a II in July 1964 and 1968, respectively. In July 1970, he was named a technical associate II and, in November 1973, a technical associate I.

After spending over 30 years working hands-on with reactor instruments, the last 20 or so as project leader for reactor-instrument modifications, Costanzo moved into the Reactor Division's Quality Assurance Group almost four years ago and received his final promotion in October 1991.

Within that group, he has been primarily responsible for Reactor Division calibrations: making sure that all tools and instruments are regularly certified that they properly measure, within their specifications, whatever quantity they are supposed to gauge. In addition to evaluating the Division's procedures for calibrating, using, maintaining and upgrading instruments, Costanzo helps perform quality-assurance inspections and audits, to evaluate the performance and effectiveness of these procedures.

ERC Member

Besides his duties within the Reactor Division, Costanzo was selected by the Laboratory Director to serve on BNL's Employee Relations Committee, 1983-87. "Since the Lab has been good to me, I thought I could help other employees who didn't know where to turn when they had problems that they couldn't resolve with their supervisors." For almost a decade, almost a decade ago, another duty for Costanzo was serving on the electronic stock committee, which did product evaluation for the Supply & Materiel Division.

Back With the Goods

About his retirement, Costanzo plans on "playing it by ear" with his wife Lorraine: "Maybe we'll do some traveling in our van, maybe I'll buy another boat and do some fishing and clamming on the bay."

Roger Stoutenburgh

Jim Costanzo

While their son James just became the proud father of his second son and their second grandson, the Costanzos don't have far to go to visit them, as both families live in Patchogue. Their daughter Linda, however, lives in Boston and is about to open an Italian restaurant with her husband.

While Costanzo does plan on doing a little gardening in his retirement, it won't be on the scale of what he did after work and on weekends until 1988, helping his late father till the 14 inches of topsoil on the family nursery in Brookhaven Hamlet. While most of the 15 acres was sold to a developer, "My mother still lives on the property, so I'll continue to help her," he says.

To his friends and soon-to-be former coworkers on site, Costanzo promises, "I'll be back — with the goods from Fritzsche's bakery."

— Marsha Belford

Electronic Payroll Direct Deposit Delay

Due to technical problems with the new payroll system, the electronic direct deposit of paychecks, which had been scheduled for April, will be delayed. Direct deposits of paychecks will continue to be mailed to banks and credit unions as in the past. For answers to questions about direct deposit, call Payroll, Ext. 2470.

ES&H Concerns (Cont'd)

Lab will neither initiate nor tolerate any form of retaliation against those who register such complaints," adds Foster.

To initiate an ES&H investigation, Foster will contact SEP Head Robert Casey, who will assign an appropriate SEP staffer to the case and, based on the nature of the problem, determine how quickly it must be resolved.

The investigation will include not only a study of the workplace where the violation was reported to occur, but also a look at how the problem had been addressed within the organization. When the problem is resolved, Foster will contact the person who filed the complaint.

If the outcome is still not to the individual's satisfaction, then, as in the past, DOE's Brookhaven Area Office, Bldg. 464, Ext. 2405, may be called upon.

According to Casey, involving the Employee Relations Counselor in employees' ES&H concerns was brought about as a result of a new DOE requirement.

As a result, he concludes, "Employees and others working at BNL now have one more person on site to whom they can turn to get a review of any unresolved problems that they may have with their workplace environment or concerns about their personal safety and health. Having ES&H problems taken care of locally, quickly and directly benefits not only the person who brought the problem to our attention, but also the entire Lab community."

BNL Food Drive

BNL Food Drive

King Kullen supermarkets, which have been giving cash refunds for tape-register receipts collected on behalf of such efforts as the BNL Food Drive, have extended their refund program indefinitely. So, if you have been hoarding a King Kullen register tape collection, please send it ASAP, to BNL Food Drive Chair Carole Kerr, Bldg. 460, who will redeem the receipts when she does BNL Food Drive shopping.

AA Meetings

Next month, Alcoholics Anonymous (AA) meetings will be held on site after work on the following Mondays: April 5, 12, 19 and 26. All employees, retirees, others working on site holding current BNL identification cards and their dependents are invited to attend.

For the location and times of the meetings, call the Employee Assistance Program, Ext. 4567. Callers will not be asked to leave their names, and all calls are confidential. Meeting information may also be obtained by writing to P.O. Box 641, Upton, NY 11973.

Arrivals & Departures

Arrivals

Harold G. Dorr.....Cent. Shops
Yuyi Guo.....Physics
Alan R. Levine.....RHIC
Xiao-Ye Wu.....Medical

Departures

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

Regina Dorr.....Dir. Off.

Soviet Reactors (cont'd)

to purchase equipment and contract with the private sector for engineering and other services.

For example, to improve the safety of the operation and maintenance of the Soviet nuclear power plants, BNL will contract to purchase a computer-based training simulator for the Ukrainian reactor operators and will provide them with instruction on its use. All U.S. nuclear power plants have these sophisticated training tools, which allow personnel to simulate accidents for training purposes.

In addition to human error, design deficiencies played a role in the Chernobyl accident. Under the INSPO program, the flaws in RMBK reactors that must be corrected include: a potentially unstable reactor design, along with poorly designed emergency-shutdown systems; lack of separation in critical electrical and fluid systems, and susceptibility of certain crucial safety systems to common-cause failures; little or no fire protection; and, most importantly, lack of a containment system, which would prevent the release of radioactivity into the environment in case of an accident.

While VVER designs have safer features than their sister Chernobyl-style reactors, they are still considered substandard in terms of safety. Design modifications under the new initiative allow RMBKs to operate only temporarily, but many VVER reactors can be adapted for longer-term use.

Private Sector Help

The bulk of the safety improvement work will be subcontracted to the private sector, with U.S. companies making competitive bids on specific projects. Two Russian firms will also provide technical assistance. For each safety problem, several experts from the U.S., along with experts from Russia and the other Eastern European countries, will discuss alternatives and strategies, with the goal of deciding upon mutually agreeable solutions.

Reisman concluded, "BNL will play a major role in this unique, historic program. The ultimate outcome of the project will depend, in great part, on the quality of our management support and technical expertise. Because of DNE's prior experience with Soviet-designed reactors, including expert input in the analysis of the Chernobyl disaster, I am confident of the project's successful completion."

— Diane Greenberg

Hospitality News

On Tuesday, April 6, the Hospitality Committee will gather to tour BNL's Exhibit Center/Science Museum.

To join the first tour, first meet at the Recreation Building at 9:15 a.m. to form carpools. Promptly at 9:25 a.m., the committee and company will leave for the Brookhaven Center, where a tour guide will meet them and take them on to Bldg. 701, the Exhibit Center/Science Museum. Since the tour will take about an hour and a half, return to the Recreation Building will be no later than 11:30 a.m.

Spouses of Lab employees and guests, and their chaperoned school-age children are welcome to join this interesting tour.

If arranged in advance, free babysitting services can be provided for preschool children at the Recreation Building; call Jan Rohrer, 341-1239 (days), or Barbara Bossard, 924-5620 (evenings), to make babysitting arrangements.

Weight Watchers

Spring registration for the on-site Weight Watchers group will be held on Wednesday, March 31, from noon to 1 p.m., in the South Dining Room of the Brookhaven Center.

The group will meet for 12 sessions on Wednesdays, starting April 7, noon-1 p.m., in the Brookhaven Center. The fee to BNL employees and their dependents is $90, as BNL pays $10 for each participant. For further information, call Health Promotion Specialist Mary Wood, Ext. 5923.

See Pissarro In Philadelphia

On Saturday, May 22, wouldn't you rather be in Philadelphia?

Join the BERA Art Society's bus trip to see impressionist Camille Pissarro's romantic Paris paintings and visit the nearby Rodin Museum for magnificent sculpture. After lunch, do as you like: perhaps take a springtime walk around the old city, or see Betsy Ross's house or the Liberty Bell, or get intrigued in a science museum.

Bus tickets are $20 each, while guided tours of the Philadelphia Museum of Art and the Rodin Museum combined are $15. The bus will leave BNL at 6:30 a.m. and return around 9:30 p.m. For tickets or information, call Liz Seubert, Ext. 2346, beginning Monday, March 29.

Aerobic Dance & Stretch Classes

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

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

Either or both classes may be taken, and each ten-week session costs $30, payable at registration preceding the fist classes:

- **Stretch** — Monday, March 29, Physics Lounge, Bldg.510.
- **Aerobic Dance** — Tuesday, March 30, and Thursday, April 1, Recreation Building in the apartment area.

For further information, call Pat Flood, Ext. 4853 (a.m.) or Ext. 5070 (p.m.), or Janet Sillas, Ext. 2345.

Healthline Lecture

Early Detection Key to Surviving Testicular and Prostate Cancers

Despite the fact that early detection is key to surviving testicular and prostate cancers, men often shy away from exams for these cancers: They fear that, if cancer is detected, they will then face disfigurement or impotency as a result of treatment.

In not seeking early medical attention, however, what many men who develop these cancers must face instead is an early death.

In discussing "Testicular and Prostate Cancers," during the next Healthline lecture, urologist Wayne Waltzer will stress not only the importance of regular exams for these cancers, but also the advances in treatment that have extended life expectancy rates and made substantial progress in preserving potency.

Sponsored by the Health Promotion Program (HPP) of the Occupational Medicine Clinic, Waltzer's talk will take place on Tuesday, March 30, from noon to 1 p.m. in Berkner Hall. All are invited. Audiotapes of the lecture will be available afterwards in the Research Library.

Although it is rare, cancer of the testes is the most common cancer in males age 15-34 years. Since the turn of the century, the rate of testicular cancer began to rise, and its incidence has nearly doubled in the past 20 years. Today, some 1,000 men, most under 45, are diagnosed with the disease, and about 150 die of it each year.

The most prevalent cancer in men over age 65, prostate cancer is the most common of all cancers in men, whose lifetime odds of developing it are 1 in 10. The rate of prostate cancer, too, has been on the rise, especially in black men. Each year, some 122,000 new cases are diagnosed and 32,000 men die from the disease in the United States.

As Waltzer will discuss, medical, surgical and radiation treatment of both cancers has been dramatically improved over the years, so that, now, 90 percent of testicular cancer patients and 80 percent of those with prostate cancer are cured — but only if they were diagnosed early in the course of each disease. So, he will stress the importance of regular testicular self-examination and rectal examination of the prostate.

Wayne Waltzer, M.D., is a professor of urology and surgery at the State University of New York at Stony Brook, and the Vice Chairman of the Department of Urology within Stony Brook's Health Sciences Center. Board certified in urology and surgery, he specializes in urological oncology, kidney transplantation and reconstructive surgery.

To register for this lecture, return the completed bottom portion of the Healthline flyer recently sent to all employees to Health Promotion Specialist Mary Wood, Bldg. 490, by Monday, March 29. For more information about HPP and its Healthline lecture series, call Ext. 5923.

Vote for BERA Board

Elections for two new members to serve on the Executive Board of the Brookhaven Employees Recreation Association (BERA) will take place each day next week. Eligible voters will be asked to choose two Board members from among the following four candidates:

- **Augie Hoffmann,** Physics Department
- **Denise Monteleone,** Biology Department
- **Bridget Ramos,** Department of Nuclear Energy
- **Barbara Simpson,** Division of Contracts & Procurement

Those eligible to vote in the BERA Board election include employees of BNL, AUI and DOE, as well as all other permanent, on-site employees.

Absentee ballots for employees who will not be on site next week will be accepted in person at the Recreation Office, Bldg. 185, through today.

Ballots may be cast as follows:

Date	Time	Place
Mon., 3/29	11:30 - 1:30	Berkner Hall
Tue., 3/30	11:30 - 1:30	Berkner Hall
Wed., 3/31	11:30 - 1:30	Berkner Hall
Thu., 4/1	10 - 2	Credit Union
Fri., 4/2	10 - 2	Credit Union

Toastmasters' Speech Contest

The BNL Toastmasters Club will host a speech contest on Tuesday, March 30, beginning at 7:30 p.m., in the Recreation Building in the apartment area. The contestants will be the winners of speech contests from four Toastmasters clubs in the area. The speeches will be short, from five to seven minutes long, and generally inspirational.

Winners of this contest will compete in April against winners of similar contests, and the round of contests will continue until an international contest takes place this August.

Guests are welcome to attend. For more information, call the club president, Darryl Kaurin, Ext. 7892.

Cafeteria Menu

Luncheons

Monday, March 29

Soup: Lentil	.80/1.10
Entree: Cheese tortellini, marinara sauce	3.35
Lite Choice: Baked quartered, herbed chicken	3.65
Carvery: Hot pastrami sandwich	2.95
Grill: Beef kabob w/rice	3.65
Taster's Bar: Egg rolls	(each) .80

Tuesday, March 30

Soup: Chicken rice	.80/1.10
Entree: Sautéed liver & onions	3.35
Lite Choice: Vegetable lasagna	3.45
Carvery: Hot roast beef sandwich	2.95
Grill: Reuben platter	2.95
Taster's Bar: Breaded mozzarella, sauce (oz.)	.25

Wednesday, March 31

Soup: Minestrone	.80/1.10
Entree: Sausage & pepper hoagie	3.65
Lite Choice: Quiche Lorraine	3.35
Carvery: Hot ham sandwich	2.95
Grill: Tuna steak w/herb butter	3.85
Taster's Bar: Wing dings, dressing	(oz.) .25

Thursday, April 1

Soup: Beef barley	.80/1.10
Entree: Stir-fry beef & peppers	3.65
Lite Choice: Linguini w/white clam sauce	3.35
Carvery: Hot corned beef sandwich	2.95
Grill: Fried chicken tenders in a pita	3.25
Taster's Bar: Seafood nuggets	(oz.) .25

Friday, April 2

Soup: Manhattan clam chowder	.80/1.10
Entree: Macaroni beef & tomatoes	3.35
Lite Choice: Baked fillet fish of the day	3.65
Carvery: Hot turkey sandwich	2.95
Grill: Tuna melt platter	2.95
Taster's Bar: Sausage pizza bagels	(oz.) .25

Movie Night . . . Brookhaven Center
Wednesday, March 31 . . . 8 p.m.
Ladybugs . . . free popcorn!

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Road Closing

The section of Bell Avenue adjacent to the tennis courts will be subject to closing March 29-April 2, to allow underground utilities to be installed.

Volleyball

Standings as of March 17

Open League		League I	
The Roofing Co.	48-15	Network News	47-13
GTeam	46-17	Rude Dogs	40-17
Farside	26-40	Upfagrabs	36-21
Penetrating Vollies	25-41	VolleyBallAholics	38-22
Me & the Boys	17-49	Underdogs	16-41
		Fornossing	12-45

League II		League III	
Monday Nite Live	48-6	Jolly Vollies	39-15
Safe Sets	39-15	High Volley'em	35-19
Nuts & Bolts	32-22	Upton Ups	33-21
Fossils	26-28	Nutcrackers	27-27
Night Court	22-32	Volley of the Dolls	24-30
Net Wits	22-32	Silver Bullets	23-31
Just Up	16-38	Mis-Fits	20-34
Sourcerers	11-43	Hairballs	15-39

Softball

Softball captains' meetings will be held at noon in Room C, in Berkner Hall, as follows:

- **Employees Leagues** — Tuesday, April 6
- **Mixed Leagues** — Thursday, April 8

All official rosters and league fees of $300 per team must be turned in during these meetings. If you are looking for a team on which to play, call Denise Miesell, Ext. 5873.

Bowling

Red/Green League

R. Mulderig bowled a 268/220/679 scratch series, R. Eggert 235/208/203/646 scratch, K. Koebel 224/213/627 scratch, M. Palumbo 223, K. Asselta 222/217/203/642 scratch, R. Larsen 222, G. Sorensen 222, B. Erickson 214/212/611 scracth, F. Griswold 210, A. Pinelli 210, A. Sauerwald 207, K. Riker 204/202, P. Radusewicz 203/202.

Basketball

Games of March 19

Magic 64		Trailblazers 48	
D. Hoggard	17	T. Mayo	21
D. Branch	15	R. Domenech	9
M. Williams	15	T. Fountaine	8
T. Buck	8	G. Mack	8
M. Tardd	7	S. Springston	2
L. Walcott	2		

3-points shots: R. Domenech, T. Fountaine, T. Mayo (3), M. Williams (4)

Runaways 75		Deep Six 46	
W. Cummings	19	R. Hart	13
J. Gaeta	16	N. Donahue	12
P. Ratzke	12	D. Eleazer	10
L. Furenlid	12	J. Desmond	9
E. Meier	10	U. Tapley	2
R. Wells	6		

3-point shots: J. Desmond (3), D. Eleazer, J. Gaeta, R. Hart, E. Meier

Playoffs — 1st round

Trailblazers vs Runaways
Magic vs Deep Six

Classified Advertisements

Placement Notices

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

Each week, the Personnel Division lists new placement notices. The purpose of these listings is, first, to give employees an opportunity to request consideration for themselves through Personnel, and, second, for general recruiting under open recruitment. Because of the priority policy stated above, each listing does not necessarily represent an opportunity for all people.

Except when operational needs require otherwise, positions will be open for one week after publication.

For more information, contact the Employment Manager, Ext. 2882, or call the JOBLINE, Ext. 7744 (282-7744), for a complete listing of all openings.

LABORATORY RECRUITMENT - Opportunities for Laboratory employees.

MK 0725. MAIL CLERK - (temporary o/a 5/10 - 9/10/93) Must have valid NYS drivers license. Staff Services Division.

MK 9999. MATERIAL HANDLERS - (temporary o/a 6/7 - 8/27/93) Supply and Materiel Division.

NS 0727. RESIDENCE CUSTODIAN - (temporary 5/3 - 10/1/93) Staff Services Division.

NS 0782. POLICE GROUP INSPECTOR OF OPERATIONS - Requires BS degree or equivalent, with additional management courses a plus, and extensive background in security, which should include solid experience supervising large numbers of people. Knowledge of tactics, emergency procedures, training techniques and weapons required. Broad management experience and excellent communication skills necessary. Must be able to obtain/maintain DOE "Q" clearance. Safeguards & Security Division.

OPEN RECRUITMENT - Opportunities for Laboratory employees and outside candidates.

NS 8169. ADMINISTRATIVE/COMPUTING POSITION - Requires BS/MS in a computer-related discipline, or equivalent work experience, and knowledge of MS DOS, UNIX, NFS and relational database concepts. Experience with ORACLE, SYBASE, GIS and CAD desirable. Will be responsible for managing an Ethernet network and developing technical databases for the Office information-management system. Office of Environmental Restoration.

NS 2361. ADMINISTRATIVE POSITION - Requires bachelor's degree in a relevant field, master's preferred, and familiarity with DOE and NRC financial systems. Familiarity with Lotus 1-2-3 and RBase, and experience with BNL financial systems is desired. Responsibilities will include assisting in preparating and monitoring budgets; preparing monthly costs reports; assisting in the monthly distribution of labor charges; monitoring financial expenditures; and preparing financial proposals submitted to the NRC. Department of Nuclear Energy.

DD 5267. TECHNICAL POSITION - (term appointment) Requires AAS in electronic technology or equivalent and significant experience in computer-aided design used in the manufacture of complex, multilayer printed circuit boards. Familiarity with PADS 2000, PADS PCB, PADS LOGIC, PC GERBER, ECAM and AutoCAD release 12 are also required. Will assist in the design and layout of printed circuit boards for detector systems for RHIC and AGS experiments. Instrumentation Division.

(continued on page 4)

Motor Vehicles & Supplies

91 CHEVROLET CAVALIER Z24 - sports coupe, 10k mi., blue, a/t, 6 cyl., a/c, like new, estate sale. Sharon, Ext. 3995.

91 FORD TAURUS GL - 9-pass. station wagon, blue int./ext., power all, am/fm cass., cruise, tilt, V-6, a/t, a/c, 40k mi., $10,600. 475-9027.

88 CUTLASS SUPREME SL - 60k mi., 2 yr. warr., $7,000 neg; 79 Ford F350 4x4 camper 400, 4-spd., 8' western plow, $3,000 neg. Nancye, Ext. 7323.

88 CHRYSLER LEBARON - 4-dr., a/c, cruise, tilt wheel, rear defrost, 7/70 warranty, a/t, new tires, low miles, $3,200. 722-3905.

87 CAMARO - a/c, a/t, high mi., excel. cond., orig. owner, $4,250. 874-3796.

86 JEEP COMMANCHE 4x4 - p/s, good cond., must sell, $5,000 neg. Mike, 929-4716.

86 PLYMOUTH VOYAGER - 2.6 liter, a/t, am/fm, a/c, 80k mi., v.g. cond. Ext. 4830 or 2420.

86 TOYOTA PICKUP - 4-spd., p/s, p/b, cab, new tires, brakes, stereo, 80k mi., excel. cond., $3,000. Bill, Ext. 2043 or 563-1940.

85 BUICK SKYHAWK - 4-dr., silver, a/t, p/s, p/b, a/c, am/fm, 4-cyl., 87k mi., excel;. cond., $1,900. Alex, Ext. 3723 or 341-1018.

84 NISSAN SENTRA - h/b, p/s, p/b, am/fm cass., 70k mi., 5-spd., a/c, 30 mpg, new parts, $2,095. Andy, Ext. 7014 or 281-8274.

84 MERCURY TOPAZ - 5-spd., runs well, $650 neg. Mike, 929-8443.

81 CHEVROLET CAMARO - 350 trans., dark blue, 650 Holley Edlbrock intake, needs exhaust, $1,500 Mike, Ext. 2499.

78 PACE ARROW MOTOR HOME - 31', sleeps 5, fully self-contained, dual a/c, heat, awning, generator, new tires & brakes, $12,500. 981-1030.

78 CHEVY MONTE CARLO - a/t, clean, 350 motor, ask. $1,500. Steve, Ext. 3849 or 929-0586.

71 CAMPER - 17' self-cont., sleeps 6, a/c, awning, excel. cond., $1,500. Mike, 467-8393.

70 CHEVROLET - runs well, $275 firm; 78 Honda Civic wagon for parts, $40. Darryl, Ext. 7892.

CLUTCH - '80 Toyota Tercel 5-spd., $20 neg. Bob, Ext. 7238.

HONDA CIVIC - 4-dr. sedan, 5-spd., a/c, 80k mi., excel. in/out, $2,300. 289-8105.

DATSON ZX TURBO MOTOR - new clutch, Borg Warner 5-spd., new turbo & spare, $500. George, Ext. 4584.

TIRES - 3, Pirelli P185/60HR14, good cond., asking $80, Charles, Ext. 5211.

Boats & Marine Supplies

26' SAILBOAT - '76 Chrysler, '91 9.9-hp Johnson, swing keel, roomy, clean, sleeps 5, $5,000. Tom, Ext. 7115 or 744-5801.

23' 4 WINNS - '86, 230-h.p. Merc i/o, many extras, trailer optional, $9,900. Charlie, Ext. 2407.

20' RENKEN - '86, 140 OMC I/O, trailer, v.g. cond., $4,700. 929-4369 after 6 p.m.

19' CELEBRITY - '85, cuddy cabin, 175-h.p. I/O, VHF, porta-potty, dual batteries, low hours, many extras, $3,800. Brian, Ext. 4028.

14' HOBIE CAT - roller reefing jib, trailer, $1,200. Ext. 7657 or 298-9560.

12' CATAMARAN AQUACAT - nylon sail, good cond., trailer, $850. Ron, Ext. 4553.

WINDSURFING SAIL - North Delta, 6.2 M², mint, $110; 2-piece epoxy cast, new, $45. Joe, Ext. 4139.

Furnishings & Appliances

AREA RUGS - 2, 5'x8', v.g. cond., wool, $50; acrylic, $30. Ext. 2679 or 472-6922.

BEDROOM SET - king-size, w/boxspring & mattress, 2 night stands, $475; 2 single beds, $350; microwave, Sharp, asking $60. 924-2593.

BEDROOM SET - maple, full 4-poster bed, dresser w/mirror, bureau, 2 night tables; vanity, wood, glass top, trifold mirror. Sharon, Ext. 3995.

BUNK BEDS - solid pine, mattresses & platforms, safety rail; king-size water bed, 4-poster, pine, mattress, liner, heater, $250. Sheila, 246-5070.

CEILING FAN - small, 4-blade, white, no light, great for bedroom. Kathy, Ext. 2267 opr 395-6520.

CHINA CABINET - $45; 3-way lamp, $15; formica kitchen table, $20; bedroom furn., more. Kathy, 929-8443.

ENTERTAINMENT CENTER - radio, phono, space for TV, storage, speakers, 6'x 3'x2', $150; hutch, country pine, $350. S.Saxon, 744-3842.

LIVING ROOM - w/2 side tables, 2 shade lamps, $450. Ext. 7482.

MICROWAVE - 1.5 cu. ft., $70; air conditioner, $70; kitchen set, living room set, more; queen-size, waveless bed, complete, $150. George, Ext. 4584.

REFRIGERATOR - Kenmore, 24 cu. ft., white, 2 yrs. old, 2 doors, like new, $500. 281-4364.

REFRIGERATOR - GE, harvest gold, 18 cu. ft., approx. 10 yrs. old, works well, $100 neg. G. Rackett, 477-8699.

ROCKING CHAIR - antique, custom upholstery, plus stuffed chair, $350. 722-3905.

SINK/STOVE/REFRIGERATOR - excel. for studio apt., $450. Marie, 589-3020.

STOVE - Kenmore, gas, almond, top & bottom ovens, $225 neg. Ext. 7238.

TABLE - 48" round, Bennington pine, 2 leaves, 4 captain's chairs, 4 straight chairs, Lazy Susan. 286-1214 after 5 p.m.

TABLE - oak, claw-foot pedestal w/2 leaves, 5 carved oak chairs, orig. $1,600, asking $1,000; Tiffany light, $200. Joan, 331-9264.

WASHER/DRYER - Norge washer, Westinghouse dryer, both large capacity, heavy duty, $110/ea. or $180/both. Vita, 277-0464 or Frank, Ext. 7519.

Tools, House & Garden

BATHROOM VANITY - oak cabinet, cultured marble sink w/Delta faucet, 25"Wx22"Dx30½"H, excel. cond., $90. 475-8658 after 3 p.m.

CHAIN SAW - McCulloch, 16", electric, w/100' extension cord, splitting maul & wedge, like new, $90. Sheila, 246-5070.

GREENHOUSE - Lord & Burnham, 10'x18', curved glass, alum., Japanese trees, red, $10-$45+; Sears tractor. Mauro, 265-6542 after 6 p.m.

LAWN FURNITURE - stained redwood, chaise, 2 chairs, cushions, chair covers Kelly, 744-3069.

LAWN MOWER - Snapper, 20", all attachments, very clean, $150. Ken, Ext. 5110.

LAWN MOWER - Toro, self-propelled, adapted for mulching, excel. cond., $275. 589-3608.

PLOW - I.H., two bottom, v.g. cond., on rubber, 2-16, $100. Browne, Ext. 4028.

ROTOTILLER - 281-2746.

ROTOTILLER - Craftsman, 5 h.p., w/power reverse, used 6 times, $275. Andy, Ext. 7014 or 281-8274.

Sports, Hobbies & Pets

CAMERA - Pentax 1000, 35mm, zoom lens, flash, carry case, $125. Kathy, Ext. 2267 or 395-6520.

COMICS - assorted, mint, $500+ value, poly-bagged approx. 300, asking $350 neg. Roy, 924-4070.

GUITAR - 1969, Martin D-28, Brazilian rosewood, w/case. Dave, 264-0543.

MEMBERSHIP - Jack LaLanne Gold at Lake Grove, annual dues $84/year, payable in June, no transfer fees, ask. $300 firm. Susan, Ext. 7318.

PIANO - baby grand, circa 1917, black, w/bench, new action & keys, $1,000 or best offer. Darcy, Ext. 3362.

TELESCOPE - w/tripod, 2.4" refractor, 60mm, F12, needs eyepiece. Sharon, Ext. 3995.

BNL Dance Club
presents

Swing Into Spring
Dinner-Dance

- **Dancing**
  to DJ Lou Naglieri's music of the 40s to 90s
- **Buffet dinner**
  includes: seafood chowder, salad bar
  chicken piccata, sliced flank steak,
  fettucini alfredo, oven-roasted potatoes,
  garden-medley vegetables, green beans amandine,
  brownies, carrot cake, apple pie, tea and coffee
- **"Dance Magic" cabaret floor show**
  starring U.S. Ballroom Champion Giny Rae
  and her partner Peter Sciurca
- **Door prizes**
- **Cash bar**

Friday, April 23, 1993, 6 to 11 p.m.
Brookhaven Center
Brookhaven National Laboratory, Upton, New York

Admission: *$20 in advance; $25 at the door*

For advance tickets, contact:
Marsha Belford, Ext. 5053, Bldg. 134
Violet Belzer, Ext. 3771, Bldg. 510
Connie Economos, Ext. 2594, Bldg. 130
Jack Guthy, Ext. 4411, Bldg. 750
Ron Ondrovic, Ext.4553, Bldg. 355
Susie Perino, Ext. 2477, Bldg. 134
Nedy Santiago, Ext. 3402, Bldg. 701

Audio, Video & Computer

AMPLIFIER - Musicman HD, 130W, new tubes, Musicman 1-15R bass cabinet w/JBL K-145, needs reconing, $375. Bob, Ext. 5404.

CELLULAR PHONE - Pulsar, w/battery, AC adaptor, carry case; Savin X35 desktop copier, $300. Kathy, Ext. 2267 or 395-6520.

COMPUTER - Commodore-128, $85; disk drive 1571, $85, or $150/both; Xetek Jr. interface, $20. Ext. 5080 or 751-1884.

COMPUTER - Leading Edge model D, 8088, 640K RAM, mono. mon., dual floppy, dot matrix printer, all manuals & software, $200. 286-0082.

COMPUTER - TRS model 3, Okidata 82 printer. Tom, Ext. 7115 or 744-5801.

COMPUTER - XT clone, 640K RAM, 2 360K FDD, monochrome monitor, best offer. Jim, Ext. 5684.

NINTENDO GAME - Genie, $10. John, Ext. 5100.

TV - Sharp, 21", color; indoor antenna, $150. Victor, Ext. 3823.

TV - Sharp, 25", color, excel. cond., $170. Sheila, 246-5070.

VCR - 4 heads, 3 mo. old, excel. cond., $100. Craig, Ext. 3932.

Miscellaneous

BOOKS - *Biochemistry* by Lubert Stryer, $25; *Membrane Molecular Biology* by Fox and Keith, $10. Margaret, 473-9129.

COLLECTORS - Avon Christmas plates, 1973-80, $25 ea. or $175 all; various pressed glass, cut crystal items. Joan, 331-9264.

ELECTRIC HEATER - $18; cherrywood TV table, $20; wheelchair walker, $20; white metal outdoor table, $30, mower, $35. Kathy, 744-2203.

ENGAGEMENT RING - diamond, 14k gold, $550 or best offer. Shawn, Ext. 5741.

FORMULA - 1 case Similac w/iron, 13-oz. con. liquid, reg. $57, now $40. Janet, Ext. 2345.

TOY KITCHEN SET - Fisher-Price, w/food, $20; Little Tykes slide, $15; cozy coupe car, $15, portable highchair, $10. Barbara, 744-9802.

Free

JUNK - cars, truck, machinery, removed free. Rich, Ext. 4986.

Lost & Found

LOST - pair of half-lense reading glasses, most likely in or vicinity of Bldg. 911 auditorium on 3/16. Ext. 4210.

Car Pools

BOHEMIA-E. ISLIP-OAKDALE-SAYVILLE - need 1 more driver. Frank, Ext. 2314.

STONY BROOK - existing on-time car pool. Ext. 5080/4192.

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

BROOKHAVEN - room for rent, complete use of lg. house in quiet area, kit., w/d, etc., $350/mo. includes util. Sidney Stafford, 286-4028.

BROOKHAVEN HAMLET - 1738 restored 2-bdrm. cottage, ceiling beams, planked floors, 2 baths, fp in d/r, greenhouse, country setting, $1,200/mo. + sec. & util. Sue, Ext. 2888 or 286-0422.

CALVERTON - 3-bdrm. townhouse, 1½ baths, 5 appl., carpeted, cac, patio, upper deck. 369-9091.

CENTEREACH - 1 bdrm., l/r, kit., full bath, priv. ent., nonsmoker, no pets, $550/mo. 467-3102.

COMMACK - new 1 bdrm., full l/r, kit., bath, for single, nonsmoker, $650/unfurn., or $700/furn., cable & util. incl., ready 4/1. 543-4960.

E. MORICHES - 2-bdrm. apt., 2nd floor of Victorian house, bath, kit., l/r, 3 blocks to bay, shops, school, $635/mo. + util. Mona, Ext. 5056 or 878-9384 eves.

HAUPPAUGE - Windbrook condo, 2-bdrm. ranch, off LIE Ext. 56, 30 min. to Lab, all appl., cac, w/w, pool, move in, $900/mo. Vita, 277-0464.

MIDDLE ISLAND - 2-bdrm. condo, 1½ baths, l/r, kit., all appl., clubhouse, 5 min. to Lab, $875/mo. + util. 751-8351 eves.

MILLER PLACE - studio apt., priv. ent., part. furn., kit.-l/r combo, sep. bdrm., full bath, $475/mo. + cooking gas., 1 mo. sec., no lease. Mike, Ext. 3981.

MILLER PLACE - new semi-furn. studio, full bath, kit., priv. ent., deck, wooded, near beach, no pets, single nonsmoker, quiet, mature, $475/mo. + ⅓ elec., sec. & refs. 473-6950.

MILLER PLACE - 1-bdrm. apt., paneled kit., l/r, full bath, w/w, priv. ent., quiet neighborhood, $560/mo. incl. all. 928-0093 after 4 p.m.

PORT JEFFERSON STA. - 1 bdrm., l/r, d/r, kit., full bath, driveway, pvt. ent., semi-furn., $575/mo. + sec. 473-4827 after 5:30 or weekends.

RIDGE - 1-bdrm. cottage, eik, full bath, 2 mi. from Lab, no pets, nonsmoker, $525/mo. Casper, Ext. 3469.

RIDGE - Strathmore Ridge, 2-bdrm. condo, 5 appl., cac, storage shed, patio, $700/mo.+, avail. now. Jim, 924-4946 or Linda, 433-9036.

ROCKY POINT - 2-bdrm. bsmt. apt., lighted, ventilated, l/r, eik, 10 min. to Lab, quiet neighbor, priv. ent., immed. occupancy, w/w, free cable, $600/mo. + util. Khalid, Ext. 3800.

SHIRLEY - studio apt., $450/mo. priv. driveway & ent., employed nonsmoking person only. Helen, 281-6263.

SHOREHAM - new 1-rm. apt., full bath, kit., sep. thermostat, patio, priv. ent., 10 min. to Lab, quiet, single nonsmoker, no pets, immed. occup. 821-4318.

SHOREHAM N. - lg. furn., studio apt., kit., bath, priv. ent., $450/mo. includes util., no smoking, no pets. 744-6648 after 6 p.m./weekends.

YAPHANK - 3 bdrm., 2½ baths, bsmt., all appl., fp, cac, 5 min. to Lab, 924-2593 eves. or weekends.

CATSKILLS - 3-bdrm., chalet w/sleeping loft, fully furn., near Hunter and Windham Mts., great for skiing. Kay, Ext. 4501 or Bea, Ext. 3642.

ORLANDO, FL - 1-bdrm. apt., sleeps 4, fully equipped, 5 min. to Disney World by car or bus, 1 week in July, Fri.-Fri., you pick the date, $600/wk. Ext. 2683 or 751-2469.

SHAWNEE, PA - timeshare, May 23-30, Memorial Day, sleeps 6-8, 2 showers, jacuzzi, in/outdoor activities, ask., $400/wk. Charles, Ext. 5211.

HILTON HEAD, SC - 2-bdrm. condo, sleeps 6, fully furn., 2 baths, pool, beach, golf nearby, April-Sept., $450/wk for BNL employees & family members. Guy, Ext. 3147 or 689-5378.

STOWE, VT - 3-bdrm. home, 2½ baths, new construction, fully furn., fp, deck, gar., 1 acre, priv. development, skiing recreation, $600/wk. to BNL employees. Ken, Ext. 2147 or 929-6634.

MT. HOLLY, VT - 2½-bdrm. A-frame, furn., kit., bath, wood stove, deck,. 10 min. to Okemo, 25 min. to Killington, near snowmobile trails, x-country skiing. $325/wknds. Tom, Ext. 2823.

For Sale

BELLPORT VILLAGE - house near golf & tennis, french doors & decks, outdoor jacuzzi, 2 bdrm., sleeping loft, 2 full baths, ⅔ acre, s. of South Country Rd., $248,000. Sue, 286-0422 after 6 p.m.

CALVERTON - 2-bdrm. townhouse, 5 appl., carpeted, cac, fp, patio, upper deck. Ext. 3558.

CALVERTON - 3-bdrm. Cape, 2½ baths, l/r, d/r, eik, den, bsmt., cable, ¼ acre fenced, 10 min. from Lab, $125,000. Antoinette, 874-2340 eves.

CENTEREACH - 3-bdrm. split-level, 1½ baths, l/r, d/r, eik, den, laundry, bsmt., gar., patio, shed, new OHW heating unit. Marilyn, Ext. 5075 or 585-1863.

CENTEREACH - 4-bdrm. Cape, 2 full baths, new 2-zone Weil-McLain OHW, Florida rm., eik, l/r, gar., full bsmt., fenced 80'x100', walk to stores, $115,000. 981-0551.

E. SETAUKET - 4-bdrm. split-level, 2½ baths, 3VSD, rear deck, igp/igs, landscaped, $184,900. 473-5376.

HOLBROOK - 6-bdrm. M/D, 2 baths, 2 eik, d/r, l/r, carpet, deck, fenced, 10'x12' shed, walk to stores, $147,000. Ext. 3562.

MT. SINAI - 4-bdrm. Col., 1½ baths, fp, den, entry hall, l/r, bsmt., fd/r, gar., kit., solar rm., deck, ½ acre, Weil-McLean furnace, all appl.. new windows, ask. $151,900. R. Cohen, Ext. 3484.

NORTH CORAM - 3-bdrm. ranch, 2-car gar., wood stove, fenced 0.36 acre, gas heat, 1½ baths, all appl., new Andersens, cathedral ceilings, patio, $118,000. Nancy, Ext. 3005 or 698-0339.

NORTH SHIRLEY - custom 4-bdrm. Col., 1½ baths, ½ acre, 5 min. to Lab, 924-0960.

PORT JEFFERSON VILLAGE - Harbor Hills, 4-bdrm. ranch, cedar shakes, eik, d/r, l/r w/fp, den, 2 baths, cul-de-sac, beach, country club, low taxes, $180,000. 928-0516 eves.

RIDGE - custom-built 4-bdrm. house, 1+ acre, hardwood floors, Andersens, 2,500 SF, 2½ baths, skylight, lg. bsmt., 3-zone heat, gar., fam. rm., l/r, d/r, kit., extras, $165,000. 924-3476 after 5 p.m.

ROCKY POINT - 4-bdrm. Col., 2½ baths, gas heat, cac, l/r, d/r, eik, den, fin. bsmt., gar., low taxes, ask. $130,990. Don,. Ext. 7237 or 744-2921 after 5:30 p.m.

SAYVILLE - 2-bdrm. Cape, newly renovated, eik, gar., carpet, ceramic tile, new boiler, easy maint. in/out, low taxes, $118,000. Ext. 5327 or 567-8179.

SHOREHAM N. - 4-bdrm. Col., new appl., deck, 2-car gar., deeded beach rights, full bsmt., ask. $185,000. Trina, 821-1953.

SOUND BEACH - MPSD, 3-bdrm. ranch, 2 baths, eik, d/r, rec. rm., cac, 2-car gar., landscaped for birds, $142,000. Mara, 821-0469.

SOUTHAVEN/SHIRLEY - architect-designed 3-bdrm. Calif. ranch, 2 baths, cathedral ceilings, fieldstone fp, indoor BBQ, 2-car gar., landscaped, fenced, $115,000 neg. Keith, 924-5062.

WADING RIVER - priv. beach community, steps to beach, 3-bdrm. ranch, eik, fd/r, a/c, trees, bsmt., deck, lg. shed, 1½ baths, cyclone fence, ½ acre, low taxes. $124,900. Saxon, 744-3842.

WADING RIVER - 4-bdrm. Cape, newly painted, 1 bath, full bsmt., new kit. appl., furnace, sun porch, brick patio, deeded beach rights, 1+ acre wooded, RHSD, $142,900. 929-5797.

WEST PALM BEACH, FL - Century Village, 1-bdrm. condo, clubhouse, golf, pools, tennis, sailing, 55 or over, $17,900. 286-8849.

Wanted

APT. OR HOUSE - to rent a few months from April 1. Ext. 3776.

BEETLE CAT SAIL BOAT - must be seaworthy, finder's fee. 286-0008.

DOORS - need two 30" int. doors w/9-12 window panes; also one 30" door, no window. 878-3297 eves.

FILE CABINET - legal-size. Ext. 3291.

GUITAR - old, steel-string, acoustic 6-string. Mike, Ext. 2499.

HOST FAMILIES - for foreign exchange students for summer and year programs w/the American Intercultural Student Exchange. Lori, 369-7809.

HOUSE/APARTMENT - to rent/sit June-Sept., BNL employee & spouse, nonsmokers, refs. furn. Joan, 331-9264.

INVESTORS - in stocks, bonds, mutual funds, etc., interested in forming a club to learn more about investing and to socialize. Mike, Ext. 3867.

MUSIC STAND - for a beginner flute player. Linda, Ext. 2457.

OLD FOUNTAIN PENS - cash paid. Catherine, 744-3383.

PEOPLE TO JOIN - discussion on U.S. foreign policy, refreshments. Darryl, Ext. 7892 or Margaret, 473-9129.

ROOF RACK - w/clamps to gutters. John, Ext. 7671.

SLIDE PROJECTOR - 35mm in useable cond. 924-5192 eves.

TRAILER - landscape enclosed. Mike, 878-1640.

TRAINS - Lionel & American Flyer, priv. collection, pay top $. 924-4097.

Classified Ad deadline is 4:30 p.m. Friday for publication Friday of the next week.