BROOKHAVEN BULLETIN
Vol. 46 - No. 32 August 14, 1992
BROOKHAVEN NATIONAL LABORATORY

BNL Scientists Find Plants Suffer Less Damage Than Predicted From Ozone Depletion

While most people are aware of the direct relationship between sun and skin cancer, ultraviolet (UV) rays from the sun can also be harmful to most forms of life, including plants.

But newly published work by BNL researchers now indicates that, contrary to previous reports, plants are no more damaged by UV light than are any other organisms.

For much of the earth's history, all life forms have been protected from potentially damaging UV radiation by a protective layer of ozone in the upper atmosphere that acts like a sunscreen. Recently, however, the ozone layer has been inadvertently thinned by modern chemicals, thus allowing more ultraviolet radiation to reach the earth's surface.

To determine how damaging this extra UV may be to plants, since 1989, Senior Scientist Betsy Sutherland, Senior Biophysicist John Sutherland and Research Associate Elsie Quaite, all from BNL's Biology Department, funded by the U.S. Departments of Agriculture and Energy, have been studying the effects of ultraviolet radiation on DNA in alfalfa seedlings.

The results of their study — one of the first done in this research area — have just been published in the August 13 issue of *Nature*.

The Biology Department's (from left) Betsy Sutherland, Judi Romeo, John Sutherland and Elsie Quaite irradiate alfalfa seedlings with ultraviolet light, using a high-intensity monochromator.

Surprising Results

DNA is the molecular basis for the genetic code. Contrary to predictions based on previous research, the BNL scientists found that DNA in plants is no more sensitive to damage by sunlight than DNA in other organisms.

The researchers explained that the amount of damage caused by any UV wavelength in sunlight is proportional to the ability of that wavelength to damage an organism multiplied by the amount of light of that wavelength present in sunlight. Sunlight contains only a small quantity of short wavelength UV light and huge amounts of longer wavelengths.

Previous researchers have thought that only short UV wavelengths — up to about 313 nanometers (nm) — damaged plants. Since ozone depletion increases the intensity of these short UV wavelengths, earlier investigators predicted that the increase in intensity of these short wavelengths would produce a major increase in damage to plants. The BNL work, however, shows that even longer wavelengths — up to 365 nm — can damage plant DNA.

"Since increased UV light from ozone depletion is only a small part of the UV burden that plants already endure," John Sutherland said, "ozone depletion will cause a smaller increase in DNA damage in plants than previously thought."

Damage and Repair

Continued John Sutherland, "Accurate predictions of the effects of ozone depletion on plants are important because all living organisms depend on plants for survival."

To determine the effects of ozone depletion, the researchers exposed alfalfa seedlings to UV light in wavelengths from 270 nm to 405 nm, then measured the DNA damage caused by each wavelength. Alfalfa seedlings were used for the study because alfalfa is an important crop plant, and its seedlings are easy work with as well as to grow.

After the alfalfa plants were grown in the laboratory and exposed to UV light, the leaves were chopped into fine pieces, which were embedded in agarose plugs. The plugs were treated with enzymes that digest all the cellular components except the key ingredient under investigation — DNA.

UV radiation causes several chemical changes in DNA. Among the most important is the formation of pyrimidine dimers, a type of lesion in DNA that can lead to cellular mutations. To determine the extent of DNA damage in the alfalfa plants, the researchers use a sensitive test developed by Betsy Sutherland in 1983.

The test involves treating the DNA with a UV endonuclease, an enzyme that cuts DNA adjacent to each dimer. As dimer damage increases, the strands of DNA decrease in size. Gel electrophoresis is then used to separate DNA molecules by size. To compute the dimer frequency, the number of DNA molecules of each size is then determined by John Sutherland's imaging system.

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Inside Info

Bryce Breitenstein, Head of the Occupational Medicine Clinic (OMC), has been appointed a member of the Suffolk County Board of Health. The Suffolk County Legislature made the appointment in mid-June by approving Resolution No. 357, under which Breitenstein will complete the three years remaining on unexpired term of a retiring board member.

According to the Suffolk County Code, the seven members of the Board of Health, "subject to the provisions of the Public Health Law and the Sanitary Code, shall have the power to adopt, promulgate, amend or repeal rules and regulations affecting public health in the county." Additionally, "The Board of Health shall, at the request of the Commissioner of Health Services, consider any matter relating to the preservation and improvement of public health."

First trained as a pharmacist, Breitenstein earned his M.D. at the University of Oregon. He has completed residencies in both internal medicine and in preventive medicine.

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Giving the Lab's Water the Full Treatment

Last month, BNL used almost 4.6 million gallons of domestic water per day, making the Lab one of the larger public water suppliers in Suffolk County. What many people do not realize, however, is that the quality of the Lab's water is "as good if not better than most places in the county," says Robert Lee, a staff engineer with the Safety & Environmental Protection Division (SEP).

According to Kenneth Davis, General Supervisor of Operations in the Plant Engineering (PE) Division, the reason for the high quality of the Lab's drinking water is that the water supply at BNL, which comes from six wells, is constantly monitored and tested.

Explains Bob Miltenberger, an SEP senior health physics associate, "The Lab maintains a comprehensive sampling and analysis program in accordance with all New York State Department of Health regulations and as approved by the Suffolk County Department of Health Services (SCDHS). In this program, the Lab samples the distribution system, as well as the main water supplies."

This program includes monthly monitoring for bacteria, quarterly analyses for principal organic compounds, and annual testing for heavy metals, pesticides and other parameters. In total, each supply well and the distribution system is tested for over 100 potential contaminants during the course of a year.

"This is to verify that the water is not only good at the source or the point where it is distributed, but also at the receptor where people draw it and drink it," says Miltenberger. Data collected through this effort are published annually in the BNL Site Environmental Report and routinely reported to the SCDHS.

Several Control Measures

To control high levels of iron or manganese in three of BNL's drinking-water supply wells, the water goes through a state-of-the-art filtration process at the Water Treatment Plant (WTP) in Bldg. 624 before it is distributed. Run by PE, the WTP is capable of processing six million gallons of water per day. In it, the water is aerated, filtered, pH adjusted and chlorinated.

In addition to iron and manganese, groundwater used at BNL as drinking water has the potential to contain low concentrations of organic solvents such as 1,1,1-trichloroethane (TCA). On Long Island, many institutions, including BNL, have used and continue to use these

(continued on page 2)

Lowell Ross (left), Water Systems Supervisor, Plant Engineering (PE) Division, and Kenneth Davis, PE's General Supervisor of Operations, explain the Lab's carbon filtration system to Lorraine Madigan, summer student in the Public Affairs Office.

— Photos on pages 1 and 2 by Roger Stoutenburgh

Plants (cont'd)

In 1987, this electronic imaging system won John Sutherland's group an R&D 100 Award from *Research and Development Magazine*. The system accurately measures damage to DNA by UV radiation and other physical and chemical agents.

Two years earlier, Betsy Sutherland had won the E.O. Lawrence Award for her outstanding contributions in the field of atomic energy.

Together, the Sutherlands are unique experts in this research area. Not only have they achieved international distinction for their studies of how UV radiation produces genetic damage in DNA in human skin, but they also study how the repair mechanisms of these cells work to counteract such damage.

Next, the Sutherlands plan to investigate the repair mechanisms in plants that help to control DNA damage. Visible light activates an enzyme that reverses the formation of pyrimidine dimers, thus counteracting the damaging effects of UV light.

"Plants have excellent repair mechanisms," Betsy Sutherland said. "Our next step is to understand exactly how they work."

— Diane Greenberg

Elsie Quaite (left), John Trunk and Denise Monteleone, all from the Biology Department, use an award-winning electronic imaging system invented at BNL to analyze data on ultraviolet damage in alfalfa seedlings.

Water (cont'd)

organic solvents as degreasing agents to clean oils and grease from equipment or parts used in a manufacturing process.

Although these solvents have many desirable industrial applications, past disposal practices and spills have resulted in the potential for this type of material to be found in groundwater. Consequently, New York State Drinking Water Standards (NYSDWS) require that drinking water contain less than 0.005 parts per million (ppm) of these compounds.

To ensure that water supplied to BNL employees and guests meets this criteria, BNL is required to monitor the water and report the results to the regulators at least once each quarter. In actuality, however, the Lab's water supply is monitored twice each quarter: once for regulatory compliance reasons and once for operational control.

According to Davis, if elevated organic concentrations should be detected, then BNL takes the same measures as the Suffolk County Water Authority to rid BNL's drinking water of such material.

"If there is a problem with any of our wells during sampling, the well is taken out of service until a high-intensity sampling program is completed," says Davis. "Based on these results, we make one of two choices: We either close the well in question and cease using it, or we install some kind of treatment at the well, such as a carbon filtration unit."

Adds Davis, "We recently spent approximately one million dollars on carbon filtration systems for two wells. When the water is pumped out of the ground and into these filtration units, it goes through activated carbon, which adsorbs the solvents and removes them from the water."

Despite all the filtration and monitoring that BNL's water supply undergoes before reaching the user, sometimes contamination can be caused by equipment installed at the point of use. That's the case with some Lab water fountains, where lead used in the fountain's internal plumbing has been found to be leaching into the water passing through it.

For that reason, fountains where lead concentrations have exceeded NTSDWS were taken out of service. Although many have been replaced, some fountains remain out of service for this reason and may still bear signs reading "Don't Drink the Water Here" or "Contaminated Water."

Lead concentrations in the BNL water supply — both prior to filtration and as it is distributed to each facility — have always been less than the NYSDWS. As Bob Miltenberger emphasizes, "It's important to remember that the elevated lead concentrations in the water were caused by the fountains themselves."

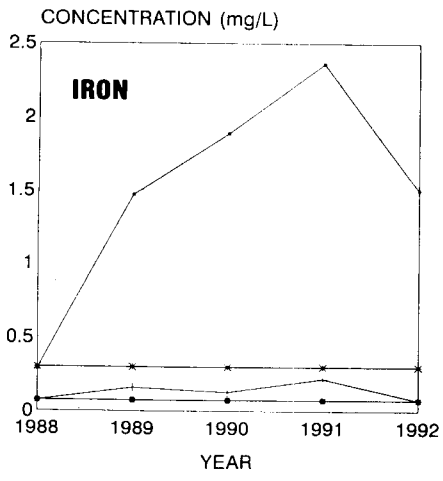
Miltenberger adds, "Water is one of our most precious resources, so many steps have been taken here at BNL to help preserve this resource. The treatment equipment installation, proper chemical disposal technology, and the water conservation program will help ensure the preservation of our water."

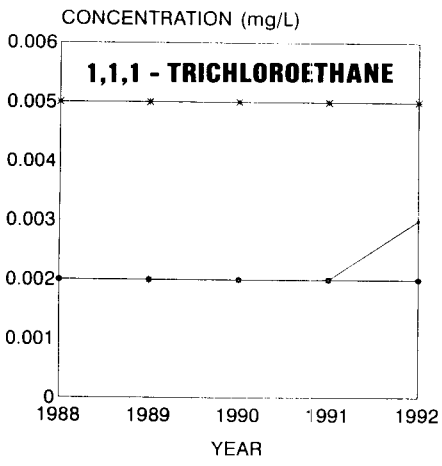
Any Lab employees or guests with questions about a specific tap or fountain, or about BNL water in general should contact their department or division safety coordinator, their building safety services representative, SEP or PE.

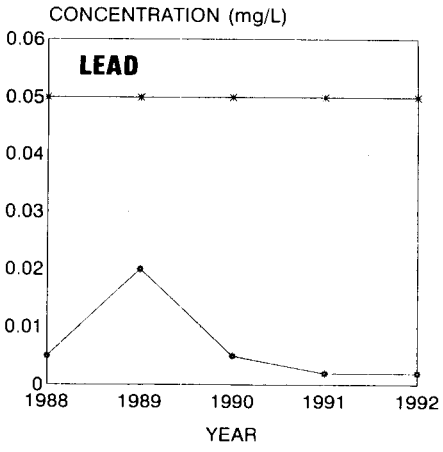
In summary, Lee reiterates, "The BNL water supply meets all NYSDWS and is routinely monitored to assure the quality of water distributed on site. Therefore, we feel that our water supply is as good, if not better, than any place in the county."

— Lorraine Madigan

At the Water Treatment Plant, Kenneth Davis explains to BNL summer student Lorraine Madigan how iron and manganese is filtered out of BNL's water supply.







WTP INFLUENT — WTP EFFLUENT — NYS DRINKING WATER STD — MIN LAB DETECT LMT

Charts showing the average annual concentrations of iron, 1,1,1-trichloroethane (TCA) and lead in the water that comes into BNL's Water Treatment Plant (influent) and the water that goes out (effluent), as compared to the New York State Drinking Water Standards (NYSDWS). For the past five years, though iron concentrations may have exceeded NYSDWS before treatment, they have been below after treatment. Throughout this period, both TCA and lead concentrations have been well below NYSDWS both before and after treatment.

Patent Awarded

Sanford Lacks of the Biology Department, together with BNL Guest Scientists **Susana Martinez**, **Paloma Lopez** and **Manuel Espinosa**, has been awarded U.S. Patent No. 5,002,875. Their patent is for a method of cloning the gene that encodes an enzyme — a DNA polymerase-exonuclease called PolI — of the bacteria *Streptococcus pneumoniae*. Polymerase puts DNA links together, and the exonuclease takes them apart.

PolI is of particular interest because its polymerase and exonuclease activities work together in the repair of DNA. The exonuclease removes damaged DNA and the polymerase restores it. The exonuclease activity of the enzyme also plays a small but important role in normal DNA replication.

In cloning the PolI gene, Lacks and his colleagues made two new recombinant plasmids, pSM22 and pSM23, which contain the gene. The inventors' approach was to use a technique that had previously been applied to the study and characterization of nucleases which are proteins that promote linkage of nucleic acid but that had never been used for detecting DNA polymerases.

Unique features of this approach include an unusual way of screening clones for exonuclease activity — by a DNase colony assay — and characterizing the product of the cloned genes by an original method for detecting nuclease activity in polyacrylamide gels. The procedure could be applicable in other cases for cloning genes that encode DNA polymerases.

Inside Info (cont'd)

Before coming to BNL in April 1989 to head OMC, he was president of the Hanford Environmental Health Foundation, the occupational health contractor at the U.S. Department of Energy's Hanford, Washington site.

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Peter Bond, who became Chairman of the Physics Department in July 1987, has agreed to continue his chairmanship for another term.

In announcing Bond's reappointment, BNL Director Nicholas Samios noted, "The Physics Department has been undergoing major realignments in the high energy and nuclear areas with the expansion of heavy-ion physics, and has a vibrant condensed-matter program utilizing the special faiclities at BNL, the High Flux Beam Reactor and the National Synchrotron Light Source. Peter's creative skills were important in responding to the many diverse challenges and, in particular, helped open and expand the heavy-ion program. His ongoing efforts will be critical to maintaining the vitality of the Department's efforts in these exciting frontiers of science."

With a 1969 Ph.D. in physics from Case Western Reserve, Bond came to BNL in 1972 as an assistant physicist, following a postdoc at Stanford University. Concentrating on basic research in nuclear physics, he was named BNL associate physicist in 1974, physicist in 1976 and senior physicist in 1986. Bond received tenure in 1978 and became Associate Chairman of Physics in August 1986 and Deputy Chairman in February 1987.

The Toothpaste Is in the Mail!

For those who are participating in the Adult Fluoride Study being conducted by the School of Dental Medicine at the State University of New York at Stony Brook, here's some good news: The dental supplies have been mailed, and participants should receive them sometime this month.

Unfortunately, this is a month later than scheduled due to a delay from the supplier, but future supplies for the four-year study should be mailed out quarterly and on a timely basis.

Any participants who do not receive supplies this month should call Mary Wood, of BNL's Occupational Medicine Clinic, Ext. 5923.

Wanted: Gospel Singers

In addition to Lab employees, membership in BNL's Gospel Choir is now open to members of employees' families, as well as employees of Lab subcontractors and their families.

To prepare for several upcoming concerts, the choir will rehearse next on Monday, August 17, from 11:30 a.m. to 1:30 p.m., in Berkner Hall. To join in, drop in at rehearsal, or call April Donegain, Ext. 2459, or Frances Ligon, Ext. 3709.

Atlantic City Trip

Tickets are still available for the next BERA-sponsored, one-day trip to Trump Castle & Casino on the Marina in Atlantic City, on Saturday, August 22. The initial cost will be $20, but the hotel-casino will give a $7.50 coin return and a choice of either $5 towards food or an additional $2.50 coin and a $5 deferred-return voucher.

Buy tickets at the BERA Sales Office, Berkner Hall, weekdays from 9 a.m. to 2 p.m. The bus will leave the Brookhaven Center promptly at 9 a.m., with an extra pickup at LIE Exit 63, if requested. Return will be about 11:45 p.m.

For more information, call Carolann Zebrowski, Ext. 3347; Rosalie Piccione, Ext. 3160; or Kay Dellimore, Ext. 2873.

Softball

Standings as of August 7

League 1		League 2	
Blue Jays	11-2	Titans	11-2
Phoubars	8-5	Cocoon	9-3
Ravens	8-5	Dirty Sox	8-5
Up & Atom	6-6	Scram	7-5
Cool 'n' Gang	5-8	Phase Out	6-6
Magnuts	5-8	Lights Out	4-8
Revised Edition	5-8	Antiques	3-9
Six Pax	3-9	Lunatechs	1-11
League 4			
Sting Rays	10-2	Simply Awesome	5-7
Personnelities	9-3	Just 4 Fun	4-8
Roustabouts	8-3	Park Avenue	2-9
Snakebites	7-5	Source	2-10

Leagues 3 & 5 — *Standings not available.*

Arrivals & Departures

Arrivals

Poppy Pattanayak.....Medical
Ronald T. Prwivo.....Accel. Dev.
Michael T. Trager.....Accel. Dev.

Departures

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

Paul F. Hsieh.....Physics
Roy J.J. LoVerde.....Accel. Dev.

BROOKHAVEN BULLETIN

Published weekly
by the Public Affairs Office
for the employees of
BROOKHAVEN NATIONAL LABORATORY

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Where Upton Is Really Up

The population's pretty small and the landscape's flat enough. But the astute observer will immediately note that, at an elevation of 4,234 feet, this could not be our Upton.

Mona Rowe, Public Affairs Office, snapped this photo in Wyoming while driving cross country last spring with her husband Michael Rowe, Department of Applied Science, and their daughters Courtney and Allison.

Volunteers Needed

Male volunteers, ages 25 to 45 and in good health, are needed to participate in brain and heart-imaging studies being conducted by BNL. A fee will be paid. For more information, call Naomi Pappas, Ext. 2694.

Call for Bowlers

The Bowling League announces that applications for the Tuesday night men's league in Port Jefferson and the Thursday night mixed league in Shirley are available at the BERA Sales Office. Priority registration for existing teams is due by August 21; new team registrations are due by August 28. A captains' meeting will be held on Wednesday, September 2, at noon, in Berkner Hall, Room B.

You don't have to be a great bowler to join the fun. For more information, call Debbie Keating, Ext. 7673, or Maryann Reynolds, Ext. 5241.

OCAW Meeting

The next meeting of the Oil, Chemical and Atomic Workers (OCAW) Union, Local 8-431, will be held at 4:20 p.m., on Thursday, August 20, at Foresto's Italian Restaurant, on Route 25 in Calverton.

Cafeteria Menu

Monday, August 17	
Soup: Vegetable	.80/1.10
Entree: Western Mexican chicken	3.35
Entree: Spinach frittata	3.20
Fitness: Chef's choice	3.45
Carvery: Hot pastrami sandwich	2.95
Grill: Sloppy Joe	2.95
Tuesday, August 18	
Soup: Beef barley	.80/1.10
Entree: Roast loin of pork	3.65
Entree: Chef's choice	3.20
Fitness: Vegetable-stuffed green pepper	3.20
Carvery: Hot roast beef sandwich	2.95
Grill: Monte Cristo	2.95
Wednesday, August 19	
Soup: French onion	.80/1.10
Entree: Egg foo young	3.35
Entree: Chef's choice	3.20
Fitness: Crispy baked fish amandine	3.35
Carvery: Hot baked ham sandwich	2.95
Grill: Corned beef melt on pumpernickel	2.95
Special: Pizza & pop	
Look for movie night at the Center Club.	
Thursday, August 20	
Soup: Beef noodle	.80/1.10
Entree: Southern-fried chicken	3.35
Entree: Sweet & sour pork	3.65
Fitness: Chef's choice	3.20
Carvery: Corned beef sandwich	2.95
Grill: Philly cheese steak	2.95
Friday, August 21	
Soup: Manhattan clam chowder	.80/1.10
Entree: Baked halibut	3.65
Entree: Chef's choice	3.20
Fitness: Baked chicken teriyaki	3.20
Carvery: Turkey sandwich	2.95
Grill: Fried chicken filet on croissant	2.95

Equipment Demo

IBM will demonstrate its UNIX workstation, the RISC System/6000, Wednesday, August 19, from 11 a.m. to 2 p.m. in Berkner Hall. In addition to running applications such as AutoCAD and Lotus on models in the RISC System/6000 family, IBM reps will demonstrate the recently released model 220, a low-end processor. For more information, call Ken Hammer, Ext. 7311.

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The new Canon CJ-10 desktop, full-color system will be demonstrated by Leslie Supply Company Inc. on Thursday, August 20, from 9 a.m. to 2:30 p.m., in Berkner Hall. The Canon CJ-10 can function as a stand-alone color copier and design tool, or it can be interfaced to a Macintosh or IBM computer.

Winners' Circle

Employees with ideas for enhancing Lab safety or saving BNL money in areas outside their own job responsibilities should consider submitting their suggestions to the Employee Suggestion Program (ESP). ESP forms are available in department and division offices and through Personnel, Bldg. 185. An original idea could win 10 percent of the estimated savings, up to a maximum of $10,000.

Congratulations to the following BNLers who have entered the ESP winners' circle:

- **Joseph Modjeska,** the Supply & Materiel Division's office machine repair mechanic, earned $25 for pointing out a hazardous traffic condition created when drivers back out from Bldg. 452 onto Bell Avenue, which resulted in warning signs being installed in this location. He also won $50, for suggesting that spring chains be added to doors on Bldgs. T-87 and T-88 for increased safety in case of gusting winds.
- **Thomas Tsang,** a physicist in the Instrumentation Division, suggested that warning signs were needed in the unlit apartment area to reduce driving hazards. This resulted in the installation of signs warning of sharp turns and a $25 safety award to Tsang.
- **Richard Bernier,** a planner/estimator in the Plant Engineering Division, suggested the use of self-illuminating fire alarm signs, which will be included in future Lab construction. He was awarded $50, to be reevaluated after one year when total savings will be better known.

Picnic Tomorrow

Afro-American Culture Club

Saturday, August 15; noon to 6 p.m.
Adults, $5; children 12 & under, $3.
Tickets: Bob Brown, Ext. 3569;
April Donegain, Ext. 2459;
Bruce Penn, Ext. 7213;
or Barbara Simpson, Ext. 3888.

On Display: Tapestries By Pakistani Children

A children's-eye view of jungles and Pakistani village life will be shown in a tapestry art display sponsored by the BERA Art Society, in Berkner Hall, Room B, August 23-30.

Designed and handmade by the children in wool backed with cotton, the tapestries are chain-stitched in the tradition of a 2,000-year-old Kashmiri craft of embroidery found along the silk route.

Exhibition hours will be 10 a.m. to 3 p.m. on the two Sundays, August 23 and 30. From Monday through Friday, August 24-29, hours will be 11:30 a.m. to 1:30 p.m., and, on Monday, August 24, 5 to 7:30 p.m. Homemade refreshments will be offered at the lunch and evening receptions on Monday.

Hospitality News

The next meeting of the Women's Forum conducted by Marion Davis-Parzen will be Tuesday, August 18, at 10 a.m., in the playground in the apartment area. In the event of rain, the group will meet in the lounge of the Recreation Building.

The forum meets every third Tuesday of the month, to discuss women's issues, and to share experiences and concerns. Wives of Lab employees and guests are welcome. Come and bring the children.

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.

DD 0472. SECRETARIAL POSITION - Requires an AAS in secretarial science or equivalent, several years' relevant experience, and excellent communication skills. Will provide diverse secretarial support for two experimental groups. Duties will include typing technical reports and handling administrative paperwork, correspondence and travel arrangements, and maintaining files. Physics Department.

OPEN RECRUITMENT - Opportunities for Laboratory employees and outside candidates.

NS 1062. ENGINEERING POSITION - Requires BSEE and minimum of three to five years' experience in digital hardware design. Experience with TTL and CMOS logic, PLDs and/or programmable gate arrays a must. Several years' experience with VME bus interfacing and embedded microcontroller hardware/software design also required. Experience with project planning, scheduling required; knowledge of PC-based CAD tools and microcontroller development systems a plus. RHIC Project, Accelerator Development Department.

NS 1060. COMPUTING/ANALYST POSITION - Requires BS in computer science or a related field and a minimum of three years' programming experience. Fluency in C and a good working knowledge of UNIX externals required. Experience in control systems, writing code for networked computers and cross development for embedded processors desirable. Work will involve developing and maintaining code for equipment-control computers used in accelerator control.

(continued on page 4)

Classified Ads (cont'd)

RHIC Project, Accelerator Development Department.

NS 1061. TECHNICAL POSITION (term appointment) - Requires AAS in electronic technology or equivalent, and experience in the fabrication and testing of integrated and discrete semiconductor circuits. Ability to work from electronic schematics, verbal instructions and rough sketches also required. Mechanical abilities and CAD design skills desired. RHIC Project, Accelerator Development Department.

DD 0169. RESEARCH SERVICES POSITION - Will perform various manual laboratory and service support tasks including washing, sterilizing, autoclaving and maintaining glassware for various departmental laboratories. Requires several years' work experience and ability to lift medium-weight containers. Biology Department.

Motor Vehicles & Supplies

91 TOYOTA TERCEL - 5-spd., ac, tape deck, blue, $7,750. Walter Loss, Ext. 3086.

91 SUZUKI RM250 DIRT BIKE - excel. cond., extras, $1,850; '90 utility trailer, 5'x8', excel. cond., $375. Lois, Ext. 4904, or Bob, 929-4753.

90 CHEVY CAVALIER - white/blue int., am/fm, cruise, tilt, p/s, p/b, 53k mi., excel. cond., $4,795 neg. Frank, 289-9658.

89 HONDA ACCORD LXI - 5-spd., loaded, 44k mi., $10,600. Ext. 7009 or 689-7963.

89 CHEVY CAVALIER - a/t, p/s, p/b, ac, sunroof, Craig removable stereo, silver metallic, $5,200. Ext. 5320.

89 PONTIAC GRAN PRIX - 2-dr., gray, a/t, ac, 60k mi., $6,500 firm. Pat, Ext. 2539.

89 GEO METRO - 5-spd., 4-dr., red, ac, am/fm, 81k mi., $2,995. Joe, Ext. 2898 or pager 0925.

88 YUGO - 55k mi., runs well, extras, $700. Bart, Ext. 4446 or 924-6761.

88 HYUNDAI EXCEL - red, ac, am/fm stereo, manual trans., high mi., new parts, good cond., $1,200 neg. Goetz, Ext. 5634.

87 TOYOTA MR2 - T-top, a/t, ac, p/s, p/b, cruise, am/fm stereo cass., excel. cond., extras, asking $7,200. Ext. 5922 or 727-3863.

87 HYUNDAI EXCEL - h/b, 5-spd., ac, gray, $2,200; '85 Capri 5.0, rare, looks like Mustang GT, black, T-top, ac, $5,000. Sharon, Ext. 2517 or 698-2798.

86 PLYMOUTH TURISMO - 2.2L, ac, a/t, new tires & brakes, alarm, louvers, 84k mi., red, excel. cond., $2,200 firm. Ext. 5249 or 331-5874.

86 CAMARO - V-6, metallic blue, 67k mi., mint cond., asking $4,300. Eddie, 473-9232.

85 FORD ESCORT - h/b, white, a/t, p/s, p/b, 80k mi., $850. Vish, Ext. 3087.

84 PLYMOUTH VOYAGER - 500 mi. on reblt. motor, $2,500; '80 Audi 5000S, 106k mi., $2,000 or best offer. Chas, Ext. 5462 or 288-2080.

84 CADDY COUPE - A-1 cond., must see & drive, sharp looking, all the toys, $3,995 firm. Mike, Ext. 2050 or 399-7907 after 6 p.m.

84 PLYMOUTH RELIANT - p/s, p/b, ac, needs work, theft switch, high mi. but runs well, $700. Ext. 5621 or 294-3287.

83 HONDA INTERSTATE GL 1100 MOTORCYCLE - 28k mi., needs work & starter, must sell, $600. Ext. 4986/3354 or 472-3254.

82 AMC EAGLE - 4wd, runs well, $750. Susan Dwyer, Ext. 3496.

82 VW JETTA - 90k mi., am/fm stereo cass., Pirelli tires, new fuel inj., distributors, batt., alternator, starter, minor work, excel. body, $1,200. Ext. 3593.

82 HARLEY SPORTSTER 1000 MOTORCYCLE - custom paint job w/pin stripping, chromed out, excel. cond., $4,200. Joe, 345-5806.

80 MUSTANG - 4-cyl., well kept, runs well, $900. Louie, 345-6704.

78 MERCURY COUGAR XR7 - new brakes, exhaust, ask. $300; '75 Prowler, 21', camping trailer, fair cond., $1,000. Dan, Ext. 4987 or 698-7322.

77 CHEVROLET IMPALA - red, 8-cyl., ac, 4-dr., runs well, $1,300 neg. Katarina, Ext. 7660.

76 JAMBOREE MINI MOTORHOME - 23', sleeps 5, rebuilt engine, good cond., $4,500. Ext. 5796.

67 MUSTANG - needs body, brake work, 6-cyl., motor not started in 2 yrs., int. good cond., $400 neg. Frank, Ext. 4446.

66 HONDA CL 160 MOTORCYCLE - completely street legal, new parts, v.g. cond., asking $400. Dane, 727-1978 days.

55 OLDS 88 - many new parts, on road, 87k orig. mi., asking $995. Frank, 399-2290.

RIMS - one w/D78-14 tire, 4-holes; one w/8.25-14 tire, 5-holes. Dolores, Ext. 2907.

TIRES - two, Wrangler, 205-75R-15, good cond., used, $10 ea. Frank or Donald, 281-1457.

PARTS - Valvoline 15W40, 75¢/qt.; H6054 Rologen high/low beam, $9; Champion RN9YC resistor spark plug, $7/8, 874-4845 after 6 p.m.

TIRES - 14" & 13" radial tires, great shape, 2/$35, $20 ea. 369-0432.

CAR-TOP CARRYALL - excel. cond., $75; Tuffbox for mid-size pickup truck, lockable, new, $75. Penny, Ext. 2625.

Boats & Marine Supplies

22' MARSHALL CATBOAT - freshwater-cooled Yanmar diesel, VHF radio, depth sounder, Danforth compass, head. Gordon, 477-2269.

18' COBIA - 1976, 120-h.p. OMC i.o., all rebuilt, w/Shoreline E-Z loader w/bearing buddies, asking $3,500. Bob, Ext. 4672 or 929-4753.

14' HOBIE CAT - furling jib, excel. cond., fast & fun, $895. Ryan, 878-1178.

SUNFISH - 1991 racing model, North Sail, rigged & ready, $1,400. Joe, Ext. 3587 or 286-1479.

WINDSURFER SAIL - North Izzy Wave, Maui edition, 4.5m², $130; rainbow weedspeed fin, new, $45. Joe, Ext. 4139.

MOTOR - 1982, 35-h.p. Evinrude, excel. cond., well maintained, will demo, $675. John, Ext. 3422.

JET SKI - 1987, 300, excel. cond., free lesson available, $1,300. Ryan, 878-1178.

Furnishings & Appliances

DENSITOMETER - black/white, $200. 473-6432.

DINETTE - 60"x36", smoked-glass table, 4 brass, fabric-backed chairs, light mauve, modern, $350. Darlene, 369-3860.

DINING ROOM SET - table w/leaf, 6 chairs, $25; couch, loveseat, $100/set. 929-0561 after 6 p.m.

DINING ROOM SET - oak, table w/2 leaves, 6 chairs, pads, lighted china closet, buffet, mint cond., $1,500. John, Ext. 2075 or 924-3915.

DINING ROOM SET - Broyhill, all wood, walnut color, 6 chairs, credenza, hutch, gold upholstery, $595. Ext. 7393.

CHINA - porcelain, service for 4 or 8, pastel flower design, brand-new, never used, $40/4, $75/8. Ext. 5922 or 727-3863.

FUTON - full/queen size, $50. 286-3679.

HEADBOARD - 10½' wide, 2 tower cabinets w/light bridge across & mirrors, $350 neg. Mitch, Ext. 4212.

KITCHEN TABLE - 36" round, foldable sides, light chestnut wood, 2 folding chairs, $60; paperback books, make offer. 474-3799.

OVENS - Toastmaster, continuous cleaning, timer, $35; GE, $15; Black & Decker hand mixer, cordless, $20. 744-3502.

REFRIGERATOR - compact, good cond., perfect for college, $50. Steve, 744-0047.

REFRIGERATOR - 19.7 cu. ft., $150; washer & dryer, $50/ea.; large microwave, $125; compact microwave, $75; 821-3762.

SEWING MACHINE - Singer Golden Touch & Sew; IBM elec. typewriter, used, works. 744-5448.

SINK & FAUCET - Koehler model 5922 double sink, Epicure faucet, model 5996, new, orig. $1,200, sell for $600. 399-1868.

SOFA - custom-made, Sealy Posturepedic sleeper, full size, 2 yrs. old, neutral beige, caster wheels, excel. cond. Irving, Ext. 2827.

SOFA & LOVESEAT - living room, white background w/floral design, excel. cond., $500/both. Mike, Ext. 2050 or 399-7907 after 6 p.m.

SOFA BED - full size, Sealy inner-spring mattress, w/Scotchguard, beige, new, ask. $500. Ext. 5873.

TOILET - Koehler Rochelle model, Mexican sand color, $75. Nancy, Ext. 5274.

BEDROOM SET - solid wood, 5 pieces, $400; dining room table w/6 chairs, $400. Pam, Ext. 7286.

BEDROOM SET - complete, queen-size, $690; living room set, bone white, sofa bed, loveseat, glass/brass tables. Doug, Ext. 4661 or 434-7812.

CABINET - Hoosier, oak, metal sliding top, excel. cond., $500. W. Harned, 286-4291.

COUCH - Ethan Allen, 7', excel. cond.; freezer, GE, 15 cu. ft. 325-0447.

COUCH - 3 seat, grayish blue, $85; 36" round table, 2 folding sides, light chestnut wood, w/2 chairs, asking $60. 474-3799.

COUCH - $50; color TV, $20; Indian dress, $10; wicker foot rest, $50; desk, $20; vacuum, $20; cabinet, $20. Kathy, 744-2203.

DESK/TABLE - large, white, disassembles into 4 pieces, $40. Ext. 5249.

DINING ROOM - cherry, table w/6 chairs, china closet, buffet, $1,500; kitchen set w/4 chairs, $175; also bdrm. furn. Ext. 4519 or 924-6051.

DINING ROOM - Ethan Allen, Williamsburg Colonial cherry, 6 chairs, table, 2 leaves, china closet, portable bar, like new, $1,300. 751-8351.

DRY SINK - maple w/copper tray, $100. Ext. 2877 or 289-8428.

MICROWAVE - Hotpoint, full size, electronic controls, $40. Frank D., Ext. 2022.

REFRIGERATOR - Whirlpool, white, self-defrost, 20 cu ft., like new, best offer. 423-8384 eves.

REFRIGERATOR - w/freezer, dorm-size, good cond., $75. Penny, Ext. 2625 or 467-8297.

SEWING MACHINE - Sears, hardly used, like new, $75. Jim, Ext. 4026.

TABLE - dinette, 2 chairs, bench, Formica top, dark pine color, 48"x20", opens to 48"x35", you pick up, $30. Sue, Ext. 3492 or 289-6844.

WASHER & DRYER - $50/ea.; large microwave, $25; compact microwave, $75. 821-3762.

WATER BED - motionless, queen, good cond., w/everything, make offer. 737-6517.

Tools, House & Garden

PUMP - vacuum, refrigeration purging, 2-stage, 1/3 h.p., Grainger/Dayton 42577, new, never used, orig. $300, sell for $175. Louis, 367-6684.

STORM DOOR - 50"x80", brown, heavy-duty, cross buck, new, orig. $135, sell for $75. Janet, Ext. 4049.

WINDOWS - Anderson Perma-Shield casement, many sizes, like new, most w/custom moldings, must sell, best offer. Kitty, 589-5912.

FIREWOOD - locust, you pick-up, seasoned, $100/cord; coal stove, self-feeding, high Btu, $200; bedroom set, $100; motors, $5/ea. 878-6637.

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

LAWN TRACTOR - Sears, 11 h.p., 36" cut, needs battery, $250. Dan, Ext. 4987 or 698-7322.

LAWN VACUUM - $75. Ext. 4519 or 924-6051.

MITER SAW - Makita, 10", power, $125. Jim, 821-9814.

OIL TANK - 250 gal., w/100 gallons of oil, you remove. Helen, Ext. 2671.

SHOWER BASE - 38", corner, white, fg, new, orig. $200, now $100 or best offer. Sue, Ext. 3492 or 289-6844 eves.

TANK - s/s, heavy-wall dished head w/pipe fillings, suitable for pressure service. 928-1020.

WHITE PINES - up to 5' high; spruces, up to 4' high, $2/foot, you dig. John, 744-5867.

Sports, Hobbies & Pets

CAMERA - Pentax 1000, 35mm, w/adjustable focus & carry case; 12" b&w TV. Kathy, Ext. 2267 or 395-6520.

BIKE REPAIR STAND - Minoura, $5; Bell helmet, medium, $5. Ext. 4158 or 345-0354.

BIKES - his & hers, 10-spd., like new, $30/both. 586-7402 after 6 p.m.

BIKES - GT Performmer, 20", $120; California Mongoose, 20", $200; Scooter, w/hand brakes, $15. George, Ext. 4453.

BOW - Alpine Archery Sierra Magnum, 31" draw, 65 lbs., 10 arrows, Huntsmaster rest, Cobra sight pins, $190 neg. Harold, Ext. 4284 or 785-0374.

DOG CHAIN - tie-out runner, 15', new, $4; dog collar, 20", $6; 17", $5. Dolores, Ext. 2907.

GUITAR AMPS - GX250RL, $200; Nady201, wireless, $225. Doug, Ext. 4661 or 434-7812.

HORSE TRAILER - 1984 Deluxe Rawhide, 2-horse, good cond., $1,700. Ext. 5796.

JACK LALANNE MEMBERSHIP - lifetime gold, all options, no dues till 1/93, renewal $5/mo., $500. Louie, 345-6704.

POOL - Harrows Insta-pool, 12'x30" deep, w/ladder, easy set-up, $100. Scott, Ext. 3354.

POOL LADDER - above-ground, $25; 1-h.p. well pump, $75; Boilermaster grill, large, $75. George, 924-9656 after 5 p.m.

ROWER/SKIER - $75; electric typewriter, Casiowriter, $25. 821-3762.

STEP MACHINE - Proform Lifestyler 3000, dual action, computer readout, excel. cond., orig. $250, sell for $125. Heidi, 281-7873.

TENNIS RACKET - Pro Kennex, Jr., Infinity 110 widebody, $35. Louise, Ext. 7709.

Audio, Video & Computer

ENTERTAINMENT CENTERS - 1 dark brown wood, for 31" TV, shelves, asking $45; 1 neutral brown, 3 shelves, 2 drawers, 46"x49", $50. 474-3799.

VCR - Panasonic model PV4750, stereo, 4 heads, on-screen programming, quartz tuning, HQ, excel. cond., $195. Warren, Ext. 4939 or 924-7552.

Miscellaneous

AIRLINE TICKETS - 2, USAir, Tampa, FL, 9/3-13, $314. Ripp, Ext. 4672.

AIRLINE TICKETS - for a female, Islip-Orange County, LA, 8/31, $95. 585-7861.

ATTACHE CASE - black leather, excel., $20; 2 fish tanks, 5 gal. & 1 gal., $10. Mike, Ext. 7941.

CONCERT TICKETS - Bonnie Raitt, Jones Beach, 8/26. Pam, Ext. 5752 or 286-8380.

FOOT MASSAGER - Sharper Image Acuvibe, like new, $110. 586-7402 after 6 p.m.

FUR COAT - white mink, car coat, size 10, worn twice, like new, orig. $2,700, sell for $900. John, Ext. 7039 or 929-4450.

GIRL SCOUT UNIFORM - Junior, blouse & skirt, size 12, worn twice, $13. 929-5584.

JACKET - brown leather, bomber, fully lined, size 36, hardly worn, $40 neg. Ext. 5922 or 727-3863.

PEN PLOTTER - Bruning Zetas Draft, many extras, best offer. Ext. 7009.

PILLOWS - handmade, quilted, see Mon., Tue., Wed., 3-7 p.m., at on-site apt. 36A. Ruth, 341-1066.

SMOKER - elec., for fish & meats, hickory sawdust, chips, wood, mint cond., $45. 744-3069.

WINTER JACKETS - boys', 1 denim, like new, size 10/12, $15 & $10. Bosshard, 924-5220.

Free

KITTEN - white, female, 8 weeks old. Ext. 7657.

DOG - female, neutered, 8 mo. old, all shots, needs good, loving home. Kelly, 563-6062

Yard & Garage Sales

NORTH SHIRLEY - multi-family, 8/14-16, 10 a.m.-6 p.m., oldies, furn., odds & ends, 270 West End Ave. Victoria, 399-2290.

PATCHOGUE - 8/15-16, 9 a.m.-3 p.m., multi-family, housewares, furn., clothes, tires, more, Carman St., s. of Montauk Hwy.

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

BELLPORT - 4 bdrm., 2 baths, near bay, dock, tennis, golf priv., avail. Oct. 15 or later, $1,400 + util., 20 min. to Lab. 286-7583.

HOLBROOK - 1-bdrm. unfurn. house, 20 min. to Lab, near stores, med. services, transp., non-smoker, no pets, refs., $680/mo. + util., sec. & light maint. F. Kuehl, Ext. 7947 or 588-2268.

MIDDLE ISLAND - share townhouse, master bdrm., walk-in closet, furn., pool, tennis, cable, $430/mo. all. Ext. 3160 or 289-5704 after 5 p.m.

MILLER PLACE - 1-bdrm. apt., l/r-kit. combo, spare room, priv. ent., util. incl., avail. immed. 473-1658 after 6 p.m.

NORTH SHIRLEY - 1-bdrm. apt., full bath, lg. kit., lg. l/r, priv. ent., first floor in new hi-ranch, $650/mo. incl. all. 399-3950.

RIDGE - lg. 3-4 bdrm. hi-ranch, 2 baths, l/r, d/r, kit., d/w, w/w carpet, gar. w/utility area, deck, avail. immed., no pets, 4 min. to Lab, $950/mo. + util., security. Ext. 5076 or 744-4615.

RIDGE - 2-bdrm. condo, 5 min. to Lab, 1½ baths, l/r, d/r, kit., w/w carpet, w/d, $750/mo. Kathy, Ext. 2267 or 395-6520 after 6 p.m.

SELDEN - studio apt., pvt. ent., kit., close to stores, $550/mo. incl. util., 1 mo. sec. 689-1539.

SHIRLEY - 2½-rm. apt., employed nonsmoker only, priv. ent. & driveway, 10 min. from Lab, $450/mo. 281-6263.

SOUND BEACH - 1-bdrm. apt., full bath, eik, priv. ent./driveway, single nonsmoker, no pets, $500/mo. includes all, 9/1 occup. 744-7007.

SOUND BEACH - 1 bdrm., l/r, kit., bath, 1 person, no animals, 20 min. from Lab, priv. ent., $500/mo. includes all. Rose, 744-5069.

SOUND BEACH - 2-bdrm. house, l/r, d/r, eik, oil heat, MPSC, $725/mo., + util. 744-3502.

STONY BROOK - furn. 1-bdrm. apt., prof. couple or single, in priv. home, 2nd floor, eik, l/r, nonsmoker, no pets, $700/mo. 751-2149.

WADING RIVER - 3-bdrm. house, secluded, wooded, 15 rolling acres, priv. beach rights, $1,100/mo. 929-6755.

ARUBA - timeshare resort, week of 8/29-9/5, studio, sleeps 4, beach, pools, restaurants, health club on premises, casino nearby, $350. Ext. 2949 or 427-2435.

MT. DESERT ISLAND, ME - lakefront, full furn. 1 rm. cottage w/sleeping loft, kitchenette, bath, fp, deck on Echo Lake, Acadia Nat. Park, 7/25-10/15, $425/wk. Bob, Ext. 2514.

HILTON HEAD ISLAND, 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.

CHESTERFIELD, VA - 4-bdrm. Colonial, 2½ baths, sunrm., d/r, great room, utility rm., cac, deck, fp, 2-car gar., 1+ acre, excel. school, near Richmond, $1,200/mo. + util. John, Ext. 5750.

MT. HOLLY, VT - rustic A-frame surrounded by forest, easily accessible to lakes, boating, hiking, biking & horseback riding, $225/wkends, $325/wk. Tom, Ext. 2823.

For Sale

EAST MARION - 1 acre bldg. lot adjacent to greenbelt, walk to Sound. 325-0447.

MIDDLE ISLAND - Coventry Manor, 3-bdrm townhouse, 2 baths, l/r, d/r, kit., laund. rm., cac, 5 appl., encl. patio, pool, tennis, club, ask. $95,000. Rosalie, Ext. 3160 or 289-5704 after 5 p.m.

MIDDLE ISLAND - Lake Pointe at Artist Lake, mint upper 1-bdrm. coop., deck, cac, w/w, pool, clubhouse, etc., $60,000 neg. Bill, 924-1346.

MIDDLE ISLAND - mint 2-3 bdrm. ranch, 1½ baths, gar., bsmt., deck, extras, low taxes, quiet family neighborhood, $114,900. 924-2839.

MIDDLE ISLAND - Fairview at Artist Lake, 2-bdrm. condo, 1½ baths, cac, GE appliances, Fr. doors, corner, pool, clubhouse, mint cond., low common charges, $79,900. Mark, 924-1561.

MIDDLE ISLAND - custom 4-bdrm. Colonial, ½ acre, lg. kit., d/r, den w/fp, bsmt., 2-car gar., $139,000, 10 min to Lab. Susan, Ext. 3496.

MT. SINAI - 3-bdrm. ranch, 1½ baths, ½+ acre, gar., lg. bsmt., near shopping, low taxes, ask. $136,000. 331-6473.

MT. SINAI - 2 bdrm., ¾ + acre, l/r, kit., dinette, bath, bsmt., oversize gar., 2 air. cond., new boiler, OHWH, $119,900. 473-6432.

NORTHAMPTON/RIVERHEAD - 3-bdrm. house, 2 full baths, fin. bsmt. w/possible rental, landscaped, 20 min. from Lab, move-in cond., low taxes, ask. $119,000. Pete, 369-2944.

N. SHIRLEY - 5-bdrm. hi-ranch, 2 full baths, l/r, d/r, fam. rm., office, 2-car gar., landscaped, ½ acre, oil heat, $140,000, or rent $1,200 + util., avail. 9/1. Debbie, Ext. 3564.

N. SHIRLEY - 3-bdrm. ranch, 1/3 + acre, fenced yard, new boiler, HW heater, windows, renovated contemp. kit., bsmt., igs, near Southaven Park, extras, $114,000. Jim, Ext. 2957 or 281-4541.

RIDGE - 4-bdrm. custom, 2½ baths, l/r, fam. rm., d/r, kit., full bsmt., oak floors, Andersen windows, detach. gar., 1.35 acre, quiet area, 16 yrs. old, many extras, $175,000. 924-3476 after 6 p.m.

RIDGE - 4-bdrm. hi-ranch, 3 yrs. old, 2 baths, lg. master bdrm., fp, skylights, cer. tile, deck, privacy, 5 min. to Lab, red. to $157,000. 924-7313.

RIDGE - 4 bdrm., 2 baths, ½ acre, 4-car gar., fin. bsmt., Pella windows, tile & wood floors, extras, $165,000. Nora, Ext. 3335 or 345-5150 after 7 p.m.

RIDGE - Leisure Knoll Adult Community, 1-bdrm. duplex, cac, all appl., very close to pool, clubhouse, etc., $57,000, immed. occup. Ted, Ext. 4589 or 475-8581 eves.

SELDEN/CORAM - 1-bdrm. co-op, 15 min. to Lab, l/r, d/r, eik, new cac, gas heat, pool, avail. Nov., tax advantages, no down payment if necessary, $52,000. Frank, Ext.. 3144 or 698-5046 eves.

SHOREHAM - 3-bdrm. ranch, SWR schools, 2/3 acre, landscaped, semi-igp, lg. deck, l/r w/fp, fd/r, eik, lg. den, full fin. bsmt, cul-de-sac, red. $149,900. 744-0722.

S. BELLPORT - cottage, l/r, front doors to patio/porch, 2-story keeping rm., 4 small bdrm., 1/3 acre lot w/flower garden and potting shed, $285,000. Nancy, 212-243-2848.

SYOSSET - 5 bdrm., 2½ baths, fin. bsmt., l/r, d/r, eik, den, deck, walk to rr, stores, new windows, ask. $289,000. 921-1962.

WADING RIVER — on beach, 10 rm. year-round house, 5 bdrm., 2 baths, d/r, l/r w/fp, upper/lower decks, full bsmt. w/apt. w/sep. ent., incl. adj. lot, SWRSD, $259,000. Kathy. 929-8443.

YAPHANK - Colonial Woods 2-bdrm. condo, 5 mins. from Lab, 2½ baths, fin. bsmnt., wet bar, pool, tennis, rec. facilities, red. to $99,000. Monica, 924-3846.

YAPHANK - Whispering Pines,, 3-bdrm. condo, 2½ baths, eik, d/r, l/r, fin. bsmt., gar., new w/w, fp, 5 appl., immac., pools, tennis 5 min. to Lab, red. $109,900. J. Bennett, Ext. 5406.

NORTH CAROLINA - 1.13 wooded acres, waterfront community, pool, lake, tennis courts, clubhouse, 35' boat slip on Pamlico River in Beaufort County, $38,000. Ken, 281-5565.

UPSTATE NY - 84 acres, hunters' paradise, near shopping, church, school, pool, lg. pond, for family or camping, $38,500, 8% owner's financing Oscar, Ext. 3696 or 607-863-3908.

SENECA, SC - brand-new home, 4 bdrm., 3 baths, fieldstone double fp, 2 decks, downstairs suite, 276' lake frontage, mountain views, avail. now, $240,000. Carol, 286-2857.

Wanted

BOWLERS - for Tue. night men's league 6-9 p.m., in Port Jeff, average not important. 475-8330.

HOUSEMATE - responsible nonsmoker to share 3-bdrm. home w/2 SUNY SB graduate students. Anthony/Michelle, Ext. 7793.

PA - for rock band. Rich, Ext. 5284.

PLAYERS - for in-line skate, Rollerblade hockey. Ext. 4158.

POOL COVER - 18' round, reasonable, good shape, solid. Ext. 7238.

STEREO TAPE RECORDER - reel-to-reel or tape deck, good working order. Ext. 4341 or 475-4005.

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