

## Nobel Laureate To Lecture Here

Nobel Laureate Sir Peter Medawar, of the Clinical Research Centre in Harrow, England, will be the 15th George B. Pegram Lecturer at BNL on Wednesday, Thursday and Friday, March 28, 29 and 30.

His topics will be: "The Philosophy of Prediction Illustrated from Medical Science" (March 28); "The Story of Tumor Immunity" (March 29); and "Is Human Understanding Finite?" (March 30).

All of the lectures will be given in Berkner Hall, beginning at 8 p.m. They are open to the general public as well as to Lab employees and their families, and no tickets are necessary. A reception in the Berkner lobby will follow each program.

The March 28 and 30 lectures are intended for a general audience, while the

cusation that "scientists seem so often to shirk the study of really fundamental or challenging problems." The reason, he contends, is simple: "No scientist is admired for failing in the attempt to solve problems that lie beyond his competence. The most he can hope for is the kindly contempt earned by the Utopian politician. If politics is the art of the possible, research is surely the art of the soluble. Both are immensely practical-minded affairs."

Sir Peter has been a member of the scientific staff of Britain's Medical Research Council since 1962. Educated at Oxford, he was elected Fellow of the Royal Society, at the unusually young age of 34, for his work on transplantation and growth. Eleven years later, while Jodrell Professor of Zoology at University College, London, he shared the 1960 Nobel Prize in physiology or medicine, for his contributions to understanding the complex mechanism of immunity.

The prize was shared with Sir Frank Macfarlane Burnet, whose theory of antibody production was based on his observation that the fetus of an animal recognizes "self," in that the normal chemical constituents of the body so alter the antibody-forming cells that they do not produce immune substances directed against "self." Subsequent introduction of foreign material, however, would cause the formation of antibodies which would cause rejection of the foreign matter.

On this basis, Sir Peter injected fetal mice of one pure strain with materials from a different donor strain, expecting that the material would be treated by the recipient as a "self" component. Later he showed that the recipient mice had acquired a specific "immunological tolerance" to the previously introduced foreign-tissue antigen, and skin grafts from the donor strain were successful. Control mice not so treated in fetal life quickly rejected such skin grafts, as did the treated mice if grafts from other strains were performed.

In 1962, Sir Peter was appointed Director of the National Institute for Medical Research (Medical Research Council), and held that post until 1971, when he joined the MRC External Staff at the Clinical Research Centre in Harrow. He has received numerous academic and civil honors recognizing his contributions to biological and medical research.

The Pegram Lectures were established by AUI in 1959 and were named in honor of the late Dean George B. Pegram of Columbia, the eminent nuclear physicist who played a key role in the founding of BNL. Prominent past lecturers have included Jean Mayer, Barbara Tuchman, George Reedy, Lee DuBridge, Roger Revelle, J. Robert Oppenheimer, Barbara Ward, Louis S.B. Leakey, René Dubos, and André Maurois.



Sir Peter Medawar

March 29 talk, dealing with Sir Peter's recent research on tumor immunity, is expected to be slightly more technical in nature.

The series should prove very interesting, since Sir Peter has combined an extremely productive research career with an unusual concern for the relationship of science to other aspects of culture and society. His publications include numerous scientific papers (on subjects such as growth, tissue transplantation, adipose tissue and obesity, and tumor immunity), and he is also the author of several volumes on the philosophy of science.

In one of his books, a collection of essays and reviews entitled "The Art of the Soluble," Sir Peter offers an answer to the ac-

## Einstein Remembered

Three wonderful people called Stein;  
There's Gert and there's Ep and there's Ein.  
Gert writes in blank verse  
Ep's sculptures are worse  
And nobody understands Ein.  
(Limerick attributed to Albert Einstein as he posed for sculptor Jacob Epstein, 1933.)

Scholars of the arts and sciences are taking particular care this year to study the life and work of Albert Einstein, who would have celebrated his 100th birthday on March 14. In addition to re-examining Einstein's great scientific accomplishments, scholars will pour over his personal papers in order to better understand him, especially in his role as father, husband, friend, humanitarian and social activist.

In fact, it is a "humane, very likable" Albert Einstein that Mariette Kuper, who retired in 1975 as a staff assistant to the Director, recently recalled when asked about her former friend. "He was not really so eccentric," Mrs. Kuper said, "for instance, you could converse with him for awhile on many subjects - art, music, world politics."

The oppression of the Jews in Nazi Germany "greatly upset him. It was a subject," Mrs. Kuper remembered, "one avoided in conversation with him." And Einstein was very musical; you often find a scientist with an interest in music, also," she noted.

Einstein came to the newly formed Institute for Advanced Study in Princeton in 1934 and it was during the early years at the Institute that Mrs. Kuper came to know Einstein, his wife and daughter Margot "very well." She recalled, for example, the evening that as guests of the Einsteins, Mrs. Kuper and her husband attended a performance at Carnegie Hall. At intermission, however, the Einsteins decided to leave, completely forgetting their guests who, when the performance was over, were left to find their own means of returning home that night. "The following morning I received the largest bouquet of flowers from them and a note of apology," said Mrs. Kuper.

"He was intensely inward-looking," she remembered, "he was as forgetful as people say." Mrs. Kuper also verified the stock image of a sockless Einstein: "he simply didn't like to wear them," she said.

Mrs. Kuper also remembered the phone call which she received from Einstein after a baby carriage had mistakenly been sent from her to Einstein instead of a book. "Have they kept anything from me?," he inquired of Mrs. Kuper.

A bronze statue of Einstein which sculptor Robert Berks of Orient, Long Island, is  
(Continued on page 3)



At his home in Washington Heights, New York, Albert Einstein was photographed in 1934 with (left to right) Morris Cohen, his wife Mary, and (seated to Einstein's left) Mrs. Einstein and his secretary, Helen Dukas. The photo was taken by Morris Cohen's son, Victor (Bill) Cohen, a BNL physicist who died in 1974.

## Despite Cold, Less Fuel Consumed

Last month's degree day total was 1,252, the highest number of degree days (and therefore the lowest daily average temperatures) recorded for February since Meteorology was established in 1949. But in spite of the fact that temperatures were unusually low, the Lab used less fuel oil to heat the site last month than during the milder February 1978.

Degree days are calculated by subtracting the daily average temperature from 65. Thus, if the temperature averaged 35° on a certain day, 30 degree days would be recorded. In February 1978, 1200 degree days were recorded, and 739,181 gallons of fuel were consumed. Last month, however, 1,252 degree days were recorded (an increase of 52), while only 713,065 gallons (a decrease of 26,116) were used. When figured out on a gallons-per-degree-day basis, the result is a 7.46 percent reduction in fuel usage compared to February 1978.

February's drop in fuel consumption is due to the Lab's energy conservation program, said Mechanical Superintendent M. Joseph Rose, and is part of a reduction trend which began several years ago.

Although BNL began concentrating on saving energy in 1973, DOE has established 1975 as the baseline year for evaluating conservation measures. After taking into account the fact that occupied space at the Lab has increased 20 percent since 1975,

BNL's conservation efforts have succeeded in lowering our heating fuel consumption by about 5 percent, estimates Lew Jacobson of Plant Engineering.

(The Lab's consumption of #6 virgin fuel oil has actually dropped by more than half since FY 77, when the Central Steam Plant began burning Alternate Liquid Fuel, or ALF, as over half of its mix. But in order to evaluate other conservation efforts, it's necessary to compare fuel oil consumption figures from year to year. To do this, ALF volume is adjusted to the Btu value of virgin #6 oil and is added to the volume of virgin #6. The total figure can then be compared with past figures for #6 oil use, to show whether conservation measures have resulted in lower fuel consumption.)

According to Jacobson, the 5 percent drop in fuel usage can't be attributed to any one specific conservation measure, since every Btu that's saved plays a part. "The savings are due to the program as a whole," he said. "We're treating the entire Lab as a system, and we're fine-tuning that system continuously."

Conservation efforts have taken many different directions since 1975. An aerial survey of the site was done in November 1976, using an infrared scanner which identified areas of heat loss. Among other things, the survey picked up several leaks  
(Continued on page 2)

## DOE Sponsors Workshop At The Laboratory



Over 50 representatives of engineering firms and oil companies came to Brookhaven last week for a two-day workshop on the Utilization of Coal Fuels in Process Heaters. Six working groups dealt with questions of combustion technology, process design methods, heat recovery equipment, mechanical design and materials, control, and materials handling. Above, Dr. Robert H. Essenhig, Ohio State University, chaired the group on combustion technology. The meeting was sponsored by DOE through the office of William Fedarko, Program Manager of the Division of Fossil Fuel Utilization, and was co-chaired by Professor Paul Marnell, Manhattan College and J.J. Griffin, Vice President of Petro-Chem Development Co., Inc.

—photo by Humphrey

## Belgium Honors Tape

Gerald F. Tape, AUI President, recently was awarded the order of Leopold II with the rank of Commander, by his Majesty King Baudoin. He was cited for his contributions over the years to international science affairs, particularly to the nuclear energy program, and for his special interest in and assistance to Belgium. The award was presented by Ambassador van Cauwenberg at an embassy reception on March 7 in Washington, D.C.

## Lecture Reminder

Dr. Robert Drew, Head of BNL's Inhalation Toxicology Facility will present the next BNL lecture on Wednesday, March 21 at 8 p.m. in Berkner Hall. Drew's topic is, "Assessing the Health Effects of Air Pollutants."

A buffet supper is served at 6:30 p.m. at the Brookhaven Center before the lecture. It is convenient and many have found it a pleasant way to mingle with people from departments other than their own. Those who wish to stay after work for the buffet should make reservations in advance by calling Ext. 3541 before 5:00 p.m.

## Service Awards

The following employees will receive service awards during the month of March:

### Thirty Years

Richard Wiswall, Jr. .... Energy & Env.

### Twenty-Five Years

Thomas M. Coyle ..... Accelerator  
James B. Cumming ..... Chemistry  
Rodney T. DiGirolamo ..... Accelerator  
Thomas Holmquist ..... Reactor  
Una K. Randall ..... Central Shops  
Harvey J. Thomas ..... Director's Office

### Twenty Years

William L. Fleischman ..... Instrumentation  
Carl L. Goodzeit ..... Accelerator  
Richard R. Lorenz ..... Physics  
Nicholas P. Samios ..... Physics  
Burton A. Woods ..... Plant Engineering  
Harold A. Worwetz ..... Accelerator  
Robert W. Young ..... Safety & Env. Prot.

## Lab Hosts Symposium

The first Symposium on Nonlinear Dynamics and the Beam-Beam Interaction will be held at BNL from March 19 to 21. The purpose of the symposium is to review the nonlinear dynamics associated with modern high energy accelerators and storage rings. Reviews of current theories of nonlinear phenomena will be presented by researchers from the fields of accelerator physics and nonlinear dynamics.

About fifty scientists from universities and national laboratories from across the United States and Europe will participate in the symposium. It is sponsored by DOE's High Energy Physics Program and is hosted by BNL.

Information concerning the symposium can be obtained by contacting Melvin Month, Accelerator, ISABELLE Project at Ext. 4705 or the Public Relations office at Ext. 3327.

## Fuel Consumption (Continued)

in the underground steam lines. The leaks were repaired, and, said Jacobson, the money saved by fixing just one or two of them paid for the entire survey.

Many of the steam lines have also been reinsulated, cutting down on heat loss into the ground. And at the Central Steam Plant itself, more efficient controls have been installed on the boilers, while improvements on the soot blowers now allow for better heat exchange.

The key factor in reducing heating fuel use, however, has been modifications to Lab buildings. A second thermography survey (again using an infrared scanner, but conducted at ground level this time) revealed areas in older buildings where heat was being lost because of inadequate insulation. Storm windows have been installed on many of the older buildings, and caulking and weatherstripping around doors has also helped considerably. (Weatherstripping, a simple process, can have quite an effect on heat conservation, explained Jacobson, since a 1/16" space around a standard-sized door is equivalent to having a 4 1/4" hole in the wall.) Now, an on-going retrofit program makes lowered ceilings and added insulation standard procedure whenever older buildings are remodeled.

All of us should certainly know by this time that thermostats are not to be set higher than 65° during the day and are to be turned back to 55° at night. But to guard against the times when we forget, automatic temperature setbacks have been installed in most Lab buildings, which reset the thermostats to 55° during evenings, weekends and holidays. Special manual timers have been provided where necessary, allowing users to override the automatic system if the area will be occupied after hours.

At BNL, fuel oil is not used just for heating, so conservation is not limited to the

winter months. Several of the larger buildings built in the '60's, such as Physics, are cooled by steam absorption machines. These machines have had new controls installed which reduce the amount of steam required to produce each ton of air conditioning.

One of BNL's unusual heating problems is the fact that there are many spaces on site which are practically unoccupied, but still must be heated because of equipment and instrumentation. Also, available manpower and funding - particularly in the case of major conservation projects, which are individually funded by DOE - limit the amount of work that can be done each year.

Nevertheless, BNL's energy conservation program has already resulted in a considerable drop in the amount of oil and electricity used, and Jacobson is extremely optimistic about future energy savings. DOE has asked the Lab for a 20 percent reduction in Btu consumption per square foot (based on 1975 figures) by 1985, and, said Jacobson, "we're almost there now." He feels, in fact, that BNL may actually achieve a reduction of considerably more than 20 percent by 1985.

Among the many conservation projects planned for the next couple of years is the use of a new computer program for analyzing buildings, developed by the University of California and DOE's predecessor, ERDA. Called "DOE-I," the program takes into account all factors which affect energy use in a structure, including size, shape, materials, occupancy, and heating and lighting systems. After using the computer program to analyze energy use within a particular building, Plant Engineering will be able to identify which retrofit changes will save the most energy and should therefore be tackled first. The program will also help in evaluating the cost-effectiveness of planned modifications, so that funds available for conservation-related work can be used where they will do the most good.

## Patent Awarded To Chemists

BNL chemists David Christman and Alfred Wolf, and Ronald Finn (now associated with Mt. Sinai Hospital, Miami Beach, Florida), have recently been issued U.S. Patent No. 4,106,982 for their invention entitled, "Production of Carrier-Free H<sup>11</sup>CN." A principal objective of the invention is to synthesize H<sup>11</sup>CN with greater reliability and efficiency than has yet been possible.

Hydrogen cyanide labeled with carbon-11 has been demonstrated to have some direct medical use in such areas as blood volume measurements. In addition, the compound appears to have potential utility at least as great as carbon dioxide-<sup>11</sup>C in the synthesis of radiopharmaceuticals. Carbon-14 labeled pharmaceuticals have been used for pilot studies of organ distribution and compound metabolisms. However, as carbon-11 is a positron emitter and has a very short half-life (as compared to the beta emitting carbon-14), certain applications such as organ scanning are possible which cannot be done with carbon-14.

All of the synthetic routes investigated

heretofore for containing H<sup>11</sup>CN are tedious and time consuming, and they all result in products containing various amounts of inactive carrier. In some applications, the H<sup>11</sup>CN is useless unless it is as close to carrier free as possible.

The half-life of carbon-11, roughly twenty minutes, poses another difficulty with respect to previous methods of producing this radioactive cyanide. This relatively short half-life makes a radiopharmaceutical labeled with this isotope useful for only about three hours in most applications. Therefore, for cyanide to be useful in any synthesis process it must be capable of producing sufficient amount of the organic end product within about one hour after cyclotron irradiation.

The newly patented invention, however, provides a rapid and reliable, online process for producing essentially carrier free H<sup>11</sup>CN based on the production of <sup>11</sup>CN<sub>4</sub> directly in a cyclotron target, which is then quantitatively converted to H<sup>11</sup>CN in the presence of ammonia.

## BERA Board Election



Donald David

Patricia Oster



Georgia Irving

William Kollmer

Photos by Rosen

Donald David works as a Technical Associate in the Accelerator Department. His past participation in and present BERA activities include the Theatre Group, Mountain and Canoe Club, the now defunct Sports Car Club, softball, volleyball, football, basketball, and various Special Event and Dance Committees. From 1962 to 1964, Don served as a member of the BERA Executive Board.

Patricia Oster, an Accountant in the Accelerator Department, is presently active in volleyball, softball, bowling, and the Rifle & Pistol Club. In the past, Pat served as an officer on the BERA Awards Committee as well as on the Executive Committees of Softball, Volleyball and Bowling Leagues. She also worked on Special Event Committees and is a member of the Judo Club.

Georgia Irving, an Executive Secretary, DEE, was instrumental in starting the BNL Mixed Softball League in 1970, and served on the Softball Committee for three years. Georgia played volleyball from 1970-74, served on the Committee for the BNL Perimeter Run and Bike Race from 1972-74, is presently a member of the Tennis Committee and organizer of the Women's Tennis Ladder.

William Kollmer, a Technical Supervisor with the Isabelle Project, is no stranger to BERA athletic activities. Over the years he has served as team captain in both Softball and Bowling Leagues, and was involved in the organization of the BNL Golf League. In 1974, and again this year, Bill was chosen to be a member of the men's bowling team which represents BERA in the Annual Long Island Industrial Tournament.

Voting to elect two of the above four candidates to serve on the BERA Executive Board will begin on Monday, March 26 and continue through Friday, March 30. Those eligible to vote include all employees of BNL, AUI, DOE, and permanent on-site employers (Saga Foods, Bankers Trust, Physical Review, etc.).

Ballots may be cast during the following times at the designated voting stations:

March 26, Mon.	Cafeteria	11:30-1:30
March 27, Tue.	Cafeteria	11:30-1:30
March 28, Wed.	Gymnasium	11:00-1:00
March 29, Thu.	Bank	10:00-2:00
March 30, Fri.	Bank	10:00-3:00

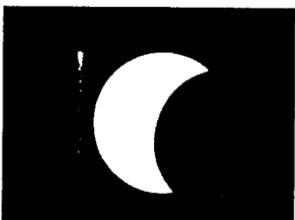
To accommodate the midnight to 8:00 a.m. and 4:00 p.m. to midnight shift people, polls will be open at the Gymnasium on Wednesday, March 28, from 8:00 to 9:00 a.m. and 3:00 to 4:00 p.m.

Absentee votes, for employees who will not be on-site during voting week because of business trips or other reasons, will be accepted by sending a signed memo with candidate selections to BERA Board President Gail Williams, Bldg. 460. Memos must be received no later than noon on Friday, March 30.

## I.B.E.W. Meeting

Local 2230, I.B.E.W. will hold its regular monthly meeting on March 22, 1979, at 8 p.m. in the Knights of Columbus Hall, Railroad Ave., Patchogue. There will also be an afternoon meeting at 2 p.m. for shift workers in the Union office at 31 Oak Street, Patchogue. On the agenda will be regular business, committee reports and the President's report.

## Totality On Film



The moon begins to pass before the sun 10:07 a.m. CST.



Totality: 10:38 a.m.



10:39 a.m.



The moon continues its path: 10:55 a.m.

Last month, AGS co-ordinator John Ryan and his wife flew to Minot, North Dakota to observe and photograph the February 26 total solar eclipse. In ideal weather conditions, they observed what was considered one of the most perfect solar eclipses from Kenmare, northwest of Minot. The eclipse began at 9:30 a.m., Central Standard Time and ended just before noon. From Kenmare, 160 seconds of totality was visible.

Ryan was able to observe the rapid darkening of the sky as totality began at about 10:38 a.m. Before and after totality, shadow

bands could be observed. The cause of the bands is still not known, but they appear to be due to the diffraction pattern of the moon's shadow.

Ryan's preparations for photographing the eclipse began about a month before eclipse day. Before going to Minot, he set up his camera-equipped telescope in Middle Island in sub-freezing temperatures to photograph the sun to determine what problems extreme cold might pose. All procedures had to be polished, Ryan noted, because totality lasted less than three minutes. "Compared to practice sessions, one

in sub-zero temperatures," said Ryan, "the 20°F temperature on eclipse day was truly balmy."

Ryan took photos of the total eclipse at various intervals of time. "As totality set in," he recalled "a large red flare could be seen on the lower edge of the sun, Venus was visible in the southwest, a dog howled and the street lights went on in Kenmare." Ryan's photos were taken on Kodachrome II (ASA 100) 35mm film with the Questar close coupled to produce the equivalent of a 1600mm f/16 lens.

# BROOKHAVEN BULLETIN

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## A St. Patrick's Day Grin From BNL's Pat Glynn



—photo by Humphrey

## Happy St. Patrick's Day!

### Einstein (Continued)

completing will be unveiled next month in Washington, D.C. The statue depicts a seated Einstein at three times life size, costs approximately \$1.6 million and has met with considerable criticism. Some art critics dislike its "grotesque ponderousness" while scientists object to the pose of Einstein holding an open book of his equations. It suggests that he is "stupid," they contend, that he is unable to remember his own formulas, one of which, the photoelectric theory, won him the Nobel Prize in 1921. Criticism has also been lodged against the statue of this century's best known physicist because it is said to depict only the scientific, contemplative side of Einstein. Critics contend that the pose makes no suggestion of Einstein's activity in humane causes such as world peace, Zionism and the fight against facism.

"Anyone can climb into his lap and sit with him," counters sculptor Berks. The statue may inspire students to pursue science, he feels, and may "cause people to realize that this is the highest level of what the human mind can do."

The following description of Einstein by Einstein was written to a young relative of the scientist who complained of missing "Uncle Einstein" during a visit. It is quoted from "Albert Einstein, The Human Side," by Banesh Hoffmann and Helen Dukas.

Let me therefore tell you what I look like: pale face, long hair, and a tiny beginning of a paunch. In addition, an awkward gait, and a cigar in the mouth—if he happens to have a cigar—and a pen in his pocket or his hand. But crooked legs and warts he does not have, and so he is quite handsome. . . It is indeed a pity that you did not see me.

### Stony Brook Events

#### Friday, March 16

**Recital:** Clarinetist Jack Kreiselman and pianist-composer Peter Winkler, 8 p.m., Recital Hall, Fine Arts Center. \$3.50 general public. Call 246-5672 for information.

**Jazz Concert:** "An Evening with Al Jarreau," 8 p.m., Main Auditorium, Fine Arts Center. Call 246-7085 or 246-6816 for ticket information.

**Speaker:** "New Worlds Revealed: Preliminary Results from the First Voyager Mission to Jupiter," 7:30 p.m., 001 Earth & Space Sciences. Telescope viewing follows, weather permitting.

**Theater:** "War & Peace," tonight and tomorrow night, 8 p.m., Theatre I, Fine Arts Center. Tickets from \$2. Call 246-5678 for information.

#### Saturday, March 17

**Concert:** Patti Smith, 8 p.m., Gym. Call 246-7085 or 246-6816 for ticket information.

**Children's Theatre:** "Bye, Bye Birdie," 8 p.m., tonight and March 24; 3 p.m., tomorrow night and March 25; 2 p.m., March 24. Admission: \$2, group rates available. Call 585-1868 for details.

#### Tuesday, March 20

**Film:** "Madame Rosa," 8 and 10:15 p.m., Stony Brook Union Auditorium. Call 246-3641 for ticket information.

**Recital:** "A Recital for Winter's End," music for flute, cello and piano, 8 p.m., Recital Hall Fine Arts Center.

#### Sunday, March 25

**Recital:** Cellist Bernard Greenhouse and pianist Menahem Pressler, 8 p.m., Recital Hall, Fine Arts Center. Admission: \$3.50 general public. Call 246-5672 for further information

### Nursery School Teacher

The Upton Nursery School expects to hire for the 1979/80 school year a certified teacher for a class of three-year-olds which meets two mornings a week. Those wishing to apply should do so in writing; before April 23rd, to P.O. Box 324, Upton N.Y. 11973.

### Arrivals & Departures

#### Arrivals

**Charles B. Bloxon**.....Accelerator  
**Alexander B. Horwitz**.....Chemistry  
**John G. Keohane**.....Accelerator  
**Vesselin T. Kovachev**.....Accelerator  
**Roy J. McWilliams**.....Safety & Env. Prot.  
**Robert Scheuerer**.....Physics  
**Jeffrey W. Taylor**.....Safety & Env. Prot.

#### Departures

**John R. Aggus**.....Accelerator  
**Mitchell D. Travers**.....Sys. & Adm. Data Proc.

### Free Info Cards

Nuclear Wallet Cards—wallet-size handbooks containing nuclear data, such as isotope mass, half-life, abundance, decay modes, and some elemental properties—are available free from National Nuclear Data Center, Bldg. 197D. Contact Jagdish K. Tuli, Ext. 2901.

### Cricket Ball

The Cricket Club's annual winter ball will be held April 28; the date is a Saturday, not a Sunday, as was stated in last week's notice. Further details will be announced soon.

### Drivers Take Note

Employees are advised that the traffic light at the intersection of Brookhaven Avenue and Upton Road will be activated between 8 a.m. and 9 a.m. However, the BNL Police Group reminds drivers that when the light is red, a right turn after a full stop is permitted.

### Cafeteria Menu

#### Week Ending March 23, 1979

<b>Monday, March 19</b>	
Corn chowder	(cup) .30
	(bowl) .40
Beef chop suey on rice	1.30
Scrambled eggs, sausage & fr. fr.	1.15
Hot Deli - Turkey	(on bread) 1.30
	(on roll) 1.40
<b>Tuesday, March 20</b>	
Beef noodle soup	(cup) .30
	(bowl) .40
Knockwurst & sauerkraut	1.25
Roast chicken w/stuffing & 1 veg.	1.30
Hot Deli - Veal & peppers hero	1.30
<b>Wednesday, March 21</b>	
Cream of potato soup	(cup) .30
	(bowl) .40
Braised meatballs à la mode w/buttered noodles	1.30
Broiled filet & fr. fr.	1.35
Hot Deli - Roast beef	(on bread) 1.30
	(on roll) 1.40
<b>Thursday, March 22</b>	
Chicken vegetable soup	(cup) .30
	(bowl) .40
Cheese ravioli & 1 veg.	1.10
Sauerbraten & potato pancake	1.45
Hot Deli - Grilled Reuben	1.30
<b>Friday, March 23</b>	
Fish chowder	(cup) .40
	(bowl) .50
Spaghetti & clam sauce	1.15
Breaded pork chop & 1 veg.	1.50
Hot Deli - Smoked baked ham	(on bread) 1.30
	(on roll) 1.40

### Stanley Cup Playoff Tickets

A drawing for tickets to the 1979 Stanley Cup Playoffs will take place in the BERA Sales Office at the Cafeteria on Thursday, March 22 at twelve noon.

As in past years, all employees who had purchased tickets from BERA during the regular Islanders hockey season will be eligible for the drawing. There will be eight seats (those BERA had all season) for each game priced at \$15 a ticket. Each name drawn will be entitled to buy two tickets.

### R/C Aircraft Club

The initial meeting of the Radio-Controlled Model Aircraft Club will be held Wednesday, March 28 at noon in Room C, Berkner Hall. All persons interested in model aircraft are urged to attend to help formulate club policy. Anyone who is interested but unable to attend the meeting may contact Bob Larson, Ext. 4656 or Jim Durnan, Ext. 2485.

### Calling Women Softball Players

A meeting of women softball players, both those who played last year and any new interested players, will be held in Room A at Berkner Hall at 12:00 noon on Friday, March 23. If you cannot attend this meeting and are interested in playing, please give your name to either Sharon Smith, Ext. 3995, or Ed Taylor, Ext. 4126. We will discuss the possibility of a Brookhaven Town League Team and tentative schedules for the summer season.

### Bowling

#### Pink League

The mainstay of the Lickety Splits, Mary Grace Meier, came through for the team again with 178/169/500 enabling them to take five and putting them nine points in first place. Helen Keeley's 174/169/491 helped and so did Pat Castleman's 144.

The No Names' Pat Lebitski had two good games, 163 and 162 and Pat Jencius had a 171 making it a very good match with the Lickety Splits.

High game for the night was bowled by Barbara Cochrane with a 193 and close behind was Millie Connelly with a 192. Other good games were bowled by Renie Rosati 175, Marge Stoeckel 170 and Carol Beckner with 164/160.

#### Red League

This Isa Team (3036 pins) took the Cosmos 11-0. A great night for R. Barberich 216/606/675. S. Kiss had a 205/543/633 and N. Greenlaw chipped in a 200. Captain Kollmer didn't show this week, for good reason: congrats to Bill and family on their new arrival - another boy!

The Sandbaggers (3047 pins) won 11 from the Old Timers. E. Meier had a 576/645, H. Frei a 211-549/648, J. Fontana 536/644, and A. Dick 503/641.

The Designers also took 11 in a match with the Freon Loaders. C. Zavesky had a 200 and 623 gross, F. Powers grossed 620. The Anachems split 7-4 with the 76'ers. P. Klotz had a 211 and 639 gross. L. Newman grossed 606. R. Larsen 225/201 had a 581/614, and J. Connelly 205/561/609.

#### Green League

The Old Timers II held on to their lead as they took eleven from the Pinball Wizards. For the Old Timers II, N. Carciello had a 226 and B. Galen rolled a 244. The Blue Jays moved into second as they took eleven from the Sparks. N. Parrinello had a 210 and M. Iarocci a 212. For the losers, J. Cochrane had a 200. The Trouble Shooters took eight from the Dyno-Mites with M. Zepmeisel having a 211. The Cosmos were shutout by This Isa Team for eleven.

#### Purple & White League

Draftecs moved into first place by one point. Tom Eriksen had high series for the men with a 559 and Ed Sperry high game, 199. For the ladies, Mary Grace Meier had high game 208 and high series of 553. Other good games were bowled by Joyce Pinelli 182, Jeanne Penoyer 183, Irene Sperry 173, Gail Thompson 173, Mary Austin 180, Tom Eriksen 198, Joe Mayeski 194, Bob Jones 197, Carl Murray 191, Al Pinelli 195.

## Classified Advertisements

### Placement Notices

The Laboratory's placement policy is to select the best-qualified candidate for an available position, with consideration given to candidates in the following order of priority: (1) present employees within the department, with preference to those within the immediate work group; (2) present employees within the Laboratory as a whole; and (3) outside applicants.

Each week, the Personnel Office lists new personnel placement requisitions. The purpose of these listings is, first, to provide open placement information on all nonscientific staff positions; second, to give employees an opportunity to request consideration for themselves through Personnel; and, finally, for general recruiting purposes. Because of the priority preference policy stated above, each listing does not necessarily represent an opportunity for all candidates. As a guide to readers, the listings are grouped according to the anticipated area of recruitment, as indicated below. Except when operational needs require otherwise, positions will remain open for one week following publication date.

For further information regarding a placement listing, contact the Personnel Placement Supervisor, Ext. 2882.

**OPEN RECRUITMENT:** Opportunity for present Laboratory employees and outside applicants.

937. **ELECTRO-MECHANICAL TECHNICIAN** (six positions) - Requires AAS degree or equivalent capabilities with a knowledge of the proper use of hand tools and the ability to assemble components with care. Involvement in the assembly and test of ISABELLE magnets. Accelerator Department, ISABELLE Project.

938. **HOSPITAL SERVICES ASSISTANT** - Requires demonstrated work experience in providing basic nursing care to patients. Must have driver's license and be willing to work three evenings and two nights per week. Medical Department.

### Autos & Auto Supplies

69 DODGE WAGON - 318 eng, good cond, rebuilt trans, new brakes & other. George, Ext. 2674.

69 COUGAR - 2 dr htdp, 351-V8, a/t, dual exhaust, pwr windows, AM/FM, chrome wheels, 62,000 mi, excel. \$1500. Bonnie, Ext. 2924.

73 CHEVY BLAZER - 4x4, 307 eng, dune digger tires, many extras. \$4200. 286-2221.

UNIROYAL TIRE - steel belted radial PR6, FR78-15, brand new. \$30. Alan, Ext. 2252.

74 FIAT 128 - 2 dr sedan, 58,000 mi, excel cond, new valve job, brakes, muff, batt, AM/FM cassette. \$1500. Ext. 4492, 286-0384.

STEREO - in-dash pushbutton AM/FM stereo & 8 track auto tape deck, excel. \$60. Ext. 4701, 271-2877.

CAR RAMP - used only once, in orig box. \$8. Ext. 2102.

AM RADIO - for 70 Chevy, \$8; carb, Chevy 4 bbl, Part No. 7016649, \$25. Ext. 2102.

TIRES - new C78-13 snows, \$50; used (5) B78 -13, \$75; all mounted Ford rims. 744-3968 after 12.

71 SCOUT - 3 spd, 2 w/d, needs work. \$400. 286-0654.

76 GMC VAN CONVERSION - ¾ ton, self-contained, sleeps 4, low mi, excel. 325-1961.

72 SUNLINE - 8½' slide-on camper, stove, bathrm, icebox, sleeps 4, excel cond. \$1300. 981-5769.

75 AMC GREMLIN - 6 cyl, std trans, 42,000 mi, w/w radials, 17 mpg, clean. \$1875. Ext. 7623.

64 JEEP WAGONEER - Chevy powered. \$1000, will trade for pickup of equal value. 281-8031.

73 IMPALA - 2 dr htdp, AM/FM, a/c, ps/pb, new tires-batt. \$1600. Ferreri, 735-7627 after 6.

72 FIAT SEDAN - new exhaust sys, clutch, fuel pump, plugs, rebuilt carb, starter, coil, rotor (cracked block), good for parts. \$200. Terri, Ext. 2484.

77 PLYMOUTH VOLARE STA WAGON - 6 cyl, std-overdrive, good mileage, CB-FM-stereo, new tires. \$3400. O. Jones, Ext. 2599, 821-0599.

FORD 302 ENG - 1973, 23,000 mi, exhaust sys, no trans. \$200. Bob, 473-2249.

75 FORD ELITE - 43,000 mi, fully equipped, posi, extra snows, excel cond, orig owner. \$3200. Ext. 4301.

67 VW SQUAREBACK - runs well, needs new part for trans, good for parts. \$260. Ext. 4415.

8' CAP - good cond. \$100. Dave, 289-8236.

77 FORD - F250 Custom, 4 w/d, ps/pb, AM/FM stereo, 21,000 mi. \$6000. Fred, Ext. 4407, 499-1214 after 6.

74 COMET - 2 dr, 6 cyl, ps, a/t, new tires, low mileage, excel cond, economical to run. \$1950. 283-6338 after 4.

72 HONDA CL-175 - elec start, immac, rack & sissy bar, 2 helmets. \$375. Dave, 589-3992 after 5.

70 MUSTANG - 2 dr, a/t, 6 cyl, snows, clean, 1 owner. \$1000. Julie, Ext. 2942, 924-6460.

TIRES - (2) Dayton deluxe J78-15, under 100 mi. Cost \$64 ea, asking \$50 ea. John, Ext. 4089.

TIRES - 4 Firestone Transport 500, 8-75x16.5, load range E, 10 ply, used 8000 mi. \$200. 878-2577.

2 BLUE BENCH SEATS - from 69 Ford van, excel cond. \$40 ea. Hichborn, 929-4133.

70 FORD LTD STA WAGON - ps/pb, a/c, 351 ci, roof rack, adj air shocks, new brakes. Ext. 3066.

TIRE - GR78-14 Uniroyal snow (for spare), \$15; in-dash AM radio, \$15. Chris, Ext. 3919, 929-4310 after 6.

58 CORVETTE - some custom work, must see. Asking \$4700. 281-0804.

TIRE - brand new 165x13" w/4-hole rim. \$15. Dick, Ext. 7635.

77 PLYMOUTH FURY SPORT - a/c, AM/FM 8-track, 318 ci, 18 mpg, wire wheels, must sell. Asking \$4500 firm. Ext. 3284, 265-0540 after 6.

75 COUGAR XL7 - all options, perf cond, radials. \$3850. AT6-0694.

48 PLYMOUTH DELUXE - 4 dr sedan, reconditioned eng, new int, good cond. \$1500. Ext. 4230, 472-0299.

74 CHEVY MALIBU WAGON - ps/pb, a/c, new brakes, tires. Asking \$2600. 981-3415 eves.

75 DATSUN B210 - 4 dr, 4 spd, 77 eng, excel cond. Asking \$2300. Ext. 3766, 286-0123.

69 CHEVY MALIBU - a/t, stereo AM/FM, new starter, batt, mags, needs radiator, body work. Ext. 3031/3034.

76 DODGE ASPEN STA WAGON - 4 dr Special Edition, 6 cyl, a/t, a/c, ps/pb, AM/FM rear spkr radio. \$3200. Anne, Ext. 3336, 475-8456.

70 FORD ENG - 302 ci, \$200; 69 Ford eng, 390 ci, \$200; 68 Ford pickup nose, \$150. Ext. 4539.

75 BUICK ELECTRA - white/blue corduroy int, excel cond. \$4000 or best offer. Mike, 727-8929 after 6.

2 PINTO WHEELS - 600-13, mounted, good for spares. \$10 ea. 878-0974.

68 FORD - pick up nose. \$150. Ext. 4539.

### Boats & Marine Supplies

25' LAPSTRAKE CRUISER - 250 Chrysler inboard. \$975. Bill, 744-8999.

8' PRAM - good cond. \$45. Beth, 744-6910.

18' SAILBOAT - Sailstar Explorer, fiberglass, cutty, anchor & rode, main & jib, cbd, outboard, Holsclaw trailer. \$1800. Steve, Ext. 4480, 821-0705.

MERC OUTBOARD - 1970-80 hp, pwr trim controls, gas can. \$650. 281-4086 after 5.

65 PEMBROKE SDN CRUISER - 215 hp Crusader rebuilt '78, sleeps 5, excel cond, many extras. \$4500. 589-8625 eves.

24' BOAT - Zobel Seafax, 6 cyl inbd. \$300 or reasonable offer. Tony, Ext. 4126, 281-4437.

17' CRUISERS INC - 1973, 65 hp Johnson, Cox trailer, elec winch, excel. Asking \$3000. 281-0804.

2 HP EVINRUDE MOTOR - used as sailboat auxiliary, asking \$100; 4 hp long-shaft outboard motor, good cond; lightwt dinghy. Ext. 2057, 261-5735 after 6.

11' MOTH CLASS SAILBOAT - wood covered fiberglass, 1 main. Asking \$300. 289-0925.

### Miscellaneous

LOS ANGELES - March 29, 1 ticket, 1 way. \$60. Jayson, Ext. 2341.

CERAMIC SKUTT KILN - accordion made in Italy; upright United freezer. Earl or Annette, 821-0832.

BACK PACKING MTN TENT - Sierra Designs Eco II, sleeps 2, dbl ent, cook hole, rain fly, pegs and A frame poles. \$150. Kathi, Ext. 2913.

GENERATOR - Fairbanks Morse 1800 w, 110 V AC, w/3KVA 110-220 transformer, B&S cast iron gasoline motor. \$125. Ext. 3992.

REFRIG - Hotpoint 12 cu ft, w/freezer. Frank, Ext. 2311.

BOX SPRINGS - 2 twin bed size, like new. \$20 ea. 744-8015 after 5.

GUITARS - excel for beginners, Stella, \$30; Silver-tone, \$10. Ruth, 929-4832 after 5:30.

POOL - 18x4 ft, \$25; 12 ft filter, \$15. Beth, 744-6910.

VACUUM CLEANER - \$5. 727-5912.

LESLIE ORGAN SPKR - model 120 w/cable & connectors, for all organs, excel, \$125; Zenith 21" b/w TV, good, \$25. Dick, Ext. 3273.

SPRAY GUN - Speedaire model 12581, instructions incl. \$7; tape recorder for children, \$8. Ext. 2102.

21' SHASTA TRAILER - 1976, sleeps 8, bunk beds, self-cont, new awning, excel cond. \$4800. 585-2084.

EXERCISER BIKE - deluxe motorized 2 spd, triple action, like new. Ext. 3254.

CHAIRS - upholstered, new slipcovers, \$85/pr; sleeping bags, \$30/pr; alum folding table. 325-1961.

TRAILER - 21' Fan, sleeps 8, bunk beds, self cont, awning, new tires, excel cond. 727-2861 after 5.

RECLINER - vinyl, \$35; full size bed frame, headboard & bottom, \$10; 10 gal tank, \$10. Rich, Ext. 4172.

REO MOWER - \$25; bathrm sink & cabinet, \$15; travel sprinkler, \$10; baby scale, \$10; ice chest, \$7; toilet bowl & tank, \$15; bath scale, \$5; contour chair, needs uphols, \$10. Palais, Ext. 2913, 698-0576 after 6.

HOCKEY GOALIE EQUIP - leg pads, chest protector, arm pads, mask, glove & waffle. \$125, negotiable. Ext. 2306, 421-1988.

TAPE DECK - Sanyo AM/FM cassette, under dash, very good cond. Asking \$60. 878-2486.

GOLF CLUBS - 2 woods, 8 irons, Wilson Sam Snead set. \$50. Dan, Ext. 4615.

5-DRAWER CHEST - 3-drawer bureau, need refinishing. \$15 ea; kitchen table, 4 chairs, gray, \$30; 3-cushion sofa, \$15; 4 qt Presto pressure cooker, \$5. 878-0974.

BUFFET - Danish mod, 5'x36" walnut, good cond, \$175; piano, Milton studio upright, just tuned, mahog finish, \$400. Ext. 4532, 277-4091.

SOFA BED - Simmons 76", blue & white; lamps, drapes for liv rm, den, call for size, description. Mary, Ext. 4622, 928-5185.

JUILLIARD STRING QUARTET - concert ticket, (1) orchestra, Sat, Mar 24. Ext. 3727/4360.

CANVASES - artist's 7x9, \$50/pk 3; chaise lounge, green webbing, \$5; Stanley bench plane, \$5. Sue, Ext. 4207.

PIANO - Milton Studio upright, mahog fin, just tuned. \$400. Ext. 4532, 277-4091.

POST CARDS - old picture & occasion, w/stamps, best offer. Chuck, Ext. 3254, 929-4413 after 6.

ANTIQUE SQUARE BUFFET - \$70; bookcase head-board, \$15; footboard, \$5; room humidifiers; Gerry carrier, \$8. Ext. 4151, 744-2514.

AQUARIUM - 20 gal, stand, hood, filter heater, therm, gravel, access, new. \$110 value, \$75. 732-1298.

GOLF CLUBS - 2 drivers, 4 wood, irons 2-9 incl PW & SW, total 10 irons w/bag. \$120, best offer. 289-8323.

AB DICK OFFSET PRESS - model 360-11x17, shoot delivery, excel cond, reasonably priced. R. Smith, 727-4079, 727-9759.

DELUXE ALUM POOL - Coleco 4'x24', lg filter, winter cover, bubble, 10'x30' deck. \$650. 475-8206.

TAPE RECORDER - reel-to-reel stereo, Heath, best offer. Tony, Ext. 4024.

FREEZER - upright, 19 cu ft Imperial, used less than 1 yr, lock & key. \$250. Ext. 4007.

BIKE - boy's 10 spd 24" Huff, good cond, cost \$80 - sell \$50; Broil King continuous cleaning broiler oven, lg, like new, \$60 new - sell \$30. Robinson, Ext. 4581, 331-1765.

WATERBED - custom frame, brass inlay on head and foot board, w/heater, brand new. Asking \$225. Ext. 2540.

RED JUMP SUIT - w/jacket, size 10, \$5; beginner's guitar, \$10. 286-1192 after 6.

SCANNER - 4-channel, covers VHF band, incl rubber antenna & rechargeable batt. \$50. Ext. 4212.

2 DRESSERS - glass-top, dk mahog, 1 chest-on-chest. \$35 ea. Hichborn, 929-4133.

GOLF CLUBS - Wilson Registered irons 2-9, woods 1,3,4, alum shafts. \$125. Harriet, Ext. 4853 after 1 p.m.

15 GAL CONTAINERS - heavy duty plastic, dbl handle grip, good for storing liquids, etc. \$5. Pat, Ext. 3274.

KEROSENE SPACE HEATER - \$40 or best offer. John, Ext. 3675, 924-3528.

COLONIAL ITEMS - tissue holders, coat racks, etc, taking orders, hand made. Doreen, Ext. 2466.

DIN RM SET - contemp hutch, table w/6 chairs, excel cond. \$200. 473-6735.

BEDRM SET - 5 pcs, mirror, charcoal gray, good cond. Bill, Ext. 3355, 589-4874 after 6.

WINCHESTER RIFLES - model 43-218BE; 94 w/leather strap; 290 w/Weaver sight. Julie, Ext. 2942, 929-6460.

CEILING FIXTURE - wrap-around, 48" long, brand new. \$15. 281-7844.

PORT-A-CRIB - \$15; 16' extension ladder, \$17. B. Johnson, Ext. 3354.

TABLES - coffee & end, slate tops, \$100/pr; refrig, \$25; china closet, \$35. 281-0804.

LENS - 35 mm telephoto lens for Canon camera, very good cond. Asking \$45. Ext. 2057, 261-5735 after 6.

LAWN MOWER - elec w/grass catcher, \$75; Sears 10 key elec adding machine, \$45. 475-0144 eves.

### Real Estate

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

### For Sale

ROCKY POINT - 2 bedrms, 2 floor house on ½ acre, 1 mi from beach, low taxes, gar. \$34,000, principals only. Ext. 2865, 744-4781 after 6.

CORAM - beautiful Tudor cape in Tanglewood Hills area, 6 rms, 2-car gar, expandable attic, w/w, appl, SD #11, fenced, s/s, will consider reasonable offer in mid-30's. Ext. 2249, 732-6421.

NORTH FORK - LI Sound, secluded, 3 bedrms, 3 baths, 2 fp, rustic ranch in heavily wooded area, lg pine kit, L/R, D/R & fam rm, beautifully landscaped w/16x32 pool. 727-7741 after 6.

MILLER PLACE, NORTH - wooded, native laurel, dogwood, rhododendron, custom ranch, 3 bedrms, gourmet kit, full bsmt, low taxes, energy efficient, easy maintenance. Assume 7½% mort, \$53,900. Spaulding, Ext. 2965, 473-3305.

CALVERTON - 3 bedrm ranch, oil fired heat & water, s/s, fin bsmt w/bath & kit, 1 acre prop. \$31,000. 727-9058.

BELLPORT VILLAGE SOUTH - recent colonial, 4 bedrms, 2½ baths, L/R, D/R, eik, fam rm w/fp, full bsmt, 2-car gar, usual appl. Ext. 7730, 286-8097.

ROCKY POINT - for sale \$20,000 or rent \$250/mo (willing to hold mort), 2 bedrm house, nice location, near village & beach, good starter or retirement home. 581-1993.

SHOREHAM VILLAGE - lg Claredon custom Colonial, 4 bedrms, 2½ baths, den w/fp, eik, formal D/R, 1¼ wooded acres, deck, walk to tennis, beach, country clubs. \$80,000, reduced. 744-1935.

EAST MORICHES - 4 bedrm colonial on lg wooded lot, lake front, 2½ baths, fam rm w/fp, formal L/R & D/R, eik, 2-car gar, rear deck, must sell, moving. \$72,500. 878-0805 after 5.

SHOREHAM - 4 bedrm custom built colonial, w/w, s/s, eik, formal D/R, den, L/R, 2-car gar, landscaped acre. \$56,000. 744-2821.

SOUTH SETAUKET - 5 bedrms, 2-car gar, 3 baths, gas heat, central a/c, many more extras, Three-Village School Dist. \$48,000. 698-1785 after 5:30.

BELLPORT VILLAGE - fenced ½ acre, 3 bedrms, 2 baths, kit, L/R, screened porch, 2-car gar w/att greenhouse, low taxes, 100 yds frp, golf & tennis club. \$45,000. 286-8570.

LAKE PANAMOKA - cape cod, 3 bedrms, 1½ baths, fp, cottage, 2-car gar, lake rights, reasonable taxes, many extras. \$38,500. 929-4202.

SHIRLEY - or rent w/option to buy, 3 bedrm ranch, L/R, D/R, eik, den w/fp, w/w, att gar, fin bsmt w/bath & prvt ent, patio, 5 appl, ½ acre, 5 mi from Lab. \$31,000, will hold mtg & neg terms. 281-8016.

HOLBROOK - 6 rm ranch, near LIE, good schools, 3 bedrms, 2 baths, lg kit & D/R, gas h/w heat, ½ acre. \$45,000. 981-1871.

PORT JEFF STA - 4/5 bedrm splanch, fam rm w/fp, 2½ baths, detached gar & ½ workshop, lg eik, re-insulated, partially fin bsmt, new stockade fence. \$36,500. Ron, Ext. 3162, 473-6862.

PORT JEFFERSON - 3 bedrm ranch, 1½ baths, LR/DR comb w/cath ceiling, eik, fam rm w/fp/skylighted area for plants, full bsmt, 2-car gar, new boiler/burner, lots of extras. Dick, Ext. 2068, 928-7441.

ROCKY POINT - Tides, 3 bedrm ranch, full bath, D/R, den, fp, eik, oak floors, bsmt, gar, fence, priv beach. \$40,500. 744-4824.

### For Rent

MILLER PLACE - 4 bedrm furn house, Feb-Aug. Ext. 4480.

LIE EXIT 50 - furn rm, kit privileges, very quite area. 643-8055. Thurs-Sun.

SHIRLEY - studio apt, 2½ rms, priv entrance, off Wm Floyd Pkwy, 10 min from Lab, security & util incl. Sal, 281-4178 after 6.

E. PATCHOGUE - Durkee Lane near bay, 3 bedrm ranch, screened porch, all appl, redecorated, furn or unfurn. \$350/mo + util, security. 734-6633 nights.

MASTIC - 6 rm house, bsmt, 3 bedrms, unfurn, avail immediately, insulated. \$350 + util, security. Ext. 3937, 286-8195.

YAPHANK - German Gardens, sm 3 rm bungalow, ideally suited for single, avail April 1. 924-3946.

LAKE PANAMOKA - cozy 2 bedrm house, clean, lg prop, close to Lab, beach rights, walk to deli, avail April 1. \$250/mo + util. Ext. 3780, 929-8620.

### Wanted

AM, SHORT WAVE RADIO - if has FM would be better. George, Ext. 2674/3010.

WOOD LATHE - 231-3762.

SCUBA GEAR - tanks, regulators, wetsuits & access. Ext. 2437, 473-0206.

STEEL SAFE - larger than 18x18x18 inside diameter, reasonably priced. 744-3968 after 12.

LATE MODEL CHEV/PONTIAC - low mileage, reg gas, cash deal. 325-1961.

PORTABLE COLOR TV - ugly, working & cheap. Chris, Ext. 4612, 281-7379.

TUTOR - for 11th grade math (trigonometry). G. Premuzic, Ext. 2893, eves 878-8368.

HOMES - for spayed & altered cats & kittens, make great gifts. Joann, 744-2821.

MALE GUINEA PIG - long haired, for mating purposes. Geraldine, 878-9113 after 4:30.

TV - 19" b/w in good working cond. Herb, Ext. 3611.

MOTORS MANUAL - for 71, 72 or 73 Buick. Walter, Ext. 2957.