



The International Workshop on the Effects of Acid Precipitation was held at Brookhaven during June 12-14. Participants attended a variety of lectures and seminars concerning the effects of acid rain on vegetation and terrestrial ecosystems. Here workshop participants (left to right) P. J. Rennie of the Canadian Forestry Service and Joseph Wisniewski of the E.P.A. join Chris Conway of Manhattan College and Lance Evans, head of the BNL acid rain program, in examining the soybean plots maintained by the acid rain program on the site of the old gamma field. The different plots receive watering treatments which vary as to amount and acidity of the water. The plants are being inspected for necrotic lesions and other foliar injuries. Later in the season the plants will be compared for information on stunting effects, flower damage, and reduced number of pods. The project will also look for yield differences as a function of simulated acid rain.

—photo by Humphrey

Gas Control Plans Go Into Effect

In order to distribute the decreasing supplies of gasoline as equitably as possible, the following plans are being implemented for the fueling of employees' automobiles at the onsite station and of Lab vehicles.

Employees' Cars

Effective Monday, June 25, the pumps at Paul Lindsay's onsite Mobil service station, will be open only from 7 a.m. to 8:45 a.m., and from 4:30 p.m. to 6 p.m., Monday through Friday. The station will follow the odd-even plan implemented by Governor Carey this week, and only those cars with one-half tank of gas or less will be serviced. They will get a full tank. A Lab police officer will be on hand to indicate the last car on line to receive gas before the pumps close. Of course, the pumps will be open only when Lindsay has gasoline. Signs indicating "Gas" or "No Gas" will be posted down the median strip at the main gate, so that employees coming to work will know whether or not to queue up that particular day. The above procedures are similar to those followed during the 1973-74 gasoline crisis.

Lab Vehicles

Beginning on Tuesday, July 3, gasoline ration coupons will be issued for all Lab vehicles, according to a priority system. Each department and division has been asked to classify each of its vehicles as priority 1, 2, 3, or 4.

Priority 1 encompasses all emergency vehicles, such as fire engines and ambulances, and will entitle them to receive all fuel required. Vehicles essential to the continuation of Lab operations are considered priority 2. They will get the same amount of gas that they used in May, 1979, the Lab's base period for establishing allocations. Priority 3 includes vehicles used in the operation of the Lab, but for functions in which delays and trip combinations can be tolerated. They will receive 65% of the amount of gasoline left over, after priorities 1 and 2 have been fulfilled. Priority 4 vehicles which are used to transport personnel on a convenience basis, will receive the remaining 35%. Every vehicle will display the appropriate priority sticker.

The ration coupons are in 5-gallon strips, perforated at one-gallon marks, in case more or less than five gallons is required. They will be color coded each month and may be used only in the month designated. Any leftover coupons will not be honored the following month.

The amount of fuel the Lab receives is allocated by the supplier, Amoco. The allocation is a percentage of the fuel consumed by Lab vehicles in the same month of the previous year. For instance, in May of this year Brookhaven received 80% of the amount used in May of 1978, and in June, 70%. The amount available to the Lab in

July will not be known until the first or second of that month. Then the Staff Services Division will calculate, in turn, the amount to be allocated to each priority group. This last-minute procedure will be followed every month, as the information is not available until the beginning of each month, and must be requested from the supplier by Staff Services.

Constructive suggestions as to how to improve the programs will be welcomed by Bill Webster, Manager of Staff Services. However, complaints about the shortage of gas will not do anything to help the situation. Driving carefully and conserving gas will be much more effective.

Soviets Study BNL's Superconductor

Scientists from Moscow's Krzhizhanovskiy Power Engineering Institute, Drs. Eugeni L. Blinkov and Shota I. Lutidze, visited BNL's Accelerator Department earlier this month. They were participants in the US-USSR scientific exchange program to study superconducting power transmission.

Jack Jensen, Deputy Manager of BNL's Power Transmission Project, served as Program Chairman of the 1973 Cryogenic Engineering Conference in Atlanta, Georgia where ground work was laid for the first exchange program meeting. It was there that Blinkov and Jensen first met.

The purpose of the Soviet visitors' most recent trip to the Lab was to observe and take part in tests of BNL's newest cable. They were interested in the equipment used, instrumentation, data gathered and the analysis methods applied to these data. In the course of their visit, meetings with various members of the BNL staff were held to discuss work in progress and to plan programs in both countries. The Soviet scientists were taken on tours of the various cryogenic and superconducting facilities at ISABELLE.

Making Impossible Things Possible

Blinkov spoke highly of BNL's research in superconductors and of the scientists involved in it. "You have enthusiastic people here," he said, who are making impossible things to be possible." Lutidze commented, "the Lab's high level of research and its approach in theoretical and experimental areas made this visit very fruitful for us."

The two visited the Lab to conduct experiments on the US built equipment and to learn about the Lab's methodology used in the project and its result. "We have analogical set-ups in the USSR," noted Blinkov.

(Continued on page 2)

Lab To Get New Phone System

Brookhaven will soon be getting a new telephone system which will provide the Lab with superior service and, at the same time, save a very substantial amount of money. DOE has selected GTE Telecommunications Systems, part of General Telephone and Electronics, for negotiation of a ten-year contract to upgrade and maintain BNL's phone system.

The contract will probably be finalized by the end of July, and work on the new system should begin immediately. It will take about a year to complete the cutover from the present Bell Centrex I system, to the new GTE system.

By "going interconnect" (that is, using equipment and services supplied by a private telephone firm instead of Bell), DOE and the Lab will save "in the neighborhood of \$4 million" over the next ten years, said Bill Webster, Manager of Staff Services. The contract with GTE will probably provide for BNL's leasing the system for ten years and buying it at the end of that time. The savings could therefore be much higher after ten years, since the equipment would already be paid for, and the Lab would only have to pay maintenance costs.

Since the new system will interconnect with the Bell system at the Lab boundary, BNL's costs for long distance, local usage and FTS will not be affected by the change. The savings will result from lower equipment and maintenance costs. The Lab's total phone bill now runs about \$1.25 million a year (and is steadily rising); nearly half of that amount is for equipment.

GTE will be responsible for all aspects of the new phone system, including installation of equipment, testing, cutover, maintenance, repair services and modifications. The new system will have many convenient new features, and could be expanded to a future capacity of 7,500 stations if needed. If expansion to 7,500 stations is necessary, the system will cost an estimated \$16.2 million over 10 years. The actual cost however may be lower, however, if maximum expansion is not necessary.

The new system, called a "GTD-4600 digital PABX," will be manufactured by GTE Automatic Electric. It will have a computer control which will be located in the Staff Services building. (In the present Bell Centrex system, the switch is located in Bell's Yaphank office, and even on-site calls are routed to Yaphank and then back to the Lab.) It is the computer control, says Webster, that makes the new features possible.

Those features will include "station transfer," which lets users transfer calls to another extension without bringing an operator on the line, and "call forwarding," which automatically forwards calls to a different extension if an employee is going to be away from his or her own phone. The "conference add-on" feature allows phone users to quickly bring another BNL party

in on a conversation, for a three-way discussion. And while the current system can only handle five-party conference calls, the new system will make it possible to arrange conference calls involving up to 11 people.

The GTE system's computer control will make it simpler for Staff Services to transfer employees' extension numbers to new phones if they move into a new office. And since the computer will keep a record of calls going through the switch, the resulting traffic information can be used to analyze Lab phone use and pinpoint where expansion or changes in service are needed. Also, the new system will allow the use of single line sets in many places where the more expensive key sets are now used.

Before the system is installed, Staff Services will determine individual needs by surveying everyone on site who uses a phone, said Telecommunications Coordinator Jim Vance. When the time comes for the cutover to the new system, it will be scheduled for a weekend or other non-busy period, so that most people won't notice any interruption in their phone service. There will be no break in service at any time for the Lab's emergency numbers.

The new system has been a long time in coming to the Lab. Webster began investigating the feasibility of "going interconnect" in 1974, after phone rates had been rising for several years. Last fall, DOE sent out solicitations to approximately 40 telephone firms who had requested them, and received four bids on the system. The bids were first evaluated on the basis of the companies' technical capabilities, and then from the standpoint of cost. GTE Telecommunications Systems met all the technical requirements, and submitted the lowest bid.

The bids were solicited and evaluated by a DOE selection panel which was chaired by Joseph Frino, Chief of the Administrative Branch of the Brookhaven Area Office. Secretary of the panel was Gregory Ogeka, Senior Contracts Specialist in the Brookhaven Area Office. The other voting members were Jesse Pate Jr., Director of the Division of Telecommunications at DOE Headquarters, and Harry Lang, Chief of the Systems and Communications Branch of the Chicago Operations and Regional Office. Charles Brashears, Deputy Director of the Office of Computer Service and Telecommunications Management at DOE Headquarters, was an *ex officio* non-voting member, while the legal counsel was Joan Shands of the Brookhaven Area Office, also a non-voting member. BNL's Bill Webster and Jim Vance provided technical advice and consultation.

DOE's contract for the Laboratory phone system will be the second largest full-service telephone contract to be awarded to private industry by a government agency, said Vance. The only one which was larger was also awarded to GTE, for equipment and service at Cape Canaveral.



Physicist Jean Bussiere, a member of the Superconducting Power Transmission Group, hosts Soviet scientists Shota Lutidze (left) and Eugeni Blinkov (center) as they tour the high voltage test building on-site. The visitors were part of the US/USSR scientific exchange program to study superconducting power transmission.

Lecture Reminder

Ecologist George Hendrey, DEE, discusses "The Environmental Effects of Acid Precipitation," on Wednesday, June 27 at 8 p.m. The talk will be given in Berkner Hall and is one in the BNL Lecture series. A buffet supper is served at 6:30 p.m. at the Brookhaven Center prior to the lecture. Reservations for the buffet should be made in advance by calling Ext. 3541 before 5 p.m. on the day of the lecture.

Panel Meets June 26

There will be a panel discussion on affirmative action for women on Thursday, June 26, from noon to 1 p.m., in Room A, Berkner Hall. The panel is sponsored by the Brookhaven Scientific and Professional Women's Group. The panel members are Renee Flack, Frances Scheffel, Harvey Thomas, Janet Whitehead, and Gail Williams.

Please bring your lunch. Food and beverages will not be available at the meeting.

What's A Tunne Weigh?

"Tunne," a variation of the spelling of metric tonne, jarred some *Bulletin* readers last week as they came across its use in a front page article regarding acid precipitation.

So, possible bad jokes aside, the answer to the question above is: a tunne or tonne equals 1000 kilograms and weighs $\frac{2}{10}$ more than the English ton.

Speakers Bureau

May

William Graves (DEE), Sayville Public Schools, "Solar Energy," May 3.

Jill Kaufman (DNE), West Hempstead Elementary School, "Nuclear Energy," May 3.

R.C. Anderson (DO), Suffolk County Community College, "Nuclear Power," May 3.

Lewis Jacobson (PE), Long Island Farm Bureau, "Gasahol-Methanol," May 3-4.

William Graves (DEE), SUNY at Stony Brook, Sun Day, "Residential Solar Economics," May 5.

William Graves (DEE), Hofstra University, "Economic and Legislative Aspects of Solar Energy," May 8.

R.C. Anderson (DO), Baldwin Chamber of Commerce, "Everything you always wanted to know about energy but were afraid to ask," May 8.

Eva Bozoki (NSLS); Babette Chenet (Bio.); Norma Cicale (Med.); Jill Kaufman (DNE); Jeanne Penoyar (DNE); Bellport High School, "Careers in Science for Women," May 8.

Janet Hoefling (DO), Expo '79 at C.W. Post College, "Careers in Exhibit Management," May 9.

Betty Heldman (Med.), Central Islip High School, "Non-Traditional Careers for Women," May 9.

Jill Kaufman (DNE), Career Day at SUNY in Farmingdale, "Engineering and Aerospace Technologies Panel," May 11.

R.C. Anderson (DO), Rotary Club of Patchogue, "Energy Options for the Future," May 16.

R.C. Anderson (DO), University of Maine, "Nuclear Energy," May 17.

R.C. Anderson (DO), Men's Club of North Shore Jewish, "Gasahol; Conservation in Home and Car," May 20.

William Casey (S&EP); Robert Hall (DNE); Shoreham-Wading River School District, "Panel on Nuclear Energy," May 21.

William Graves (DEE), SEER 5 of National Energy Foundation, "Science Fair Judge," May 22.

John Humphrey (Accel.), Nassau County Science Explorations at Syosset High School, "An Introduction to ISABELLE," May 23.

R.C. Anderson (DO), Rotary Club of Bay Shore, "BNL's Energy-Related Programs," May 24.

Martin Plotkin (Accel.), Ames Junior High School, "Nuclear Energy and Science," May 24.



Apprentices Selected

Four BNL employees were chosen last week to begin the craft apprenticeship training program conducted by the Lab. The four, Patricia Clay, Bruce Laakmann (seated left to right), Tirre Farmer and Stephen Mercier (standing left to right) will begin their training the first week of July. Farmer, a patrol officer, and Mercier, a custodian, will learn refrigeration and air conditioning while Laakmann, also a custodian, will study cabinetmaking. Clay will learn to become an electrician. She is a Lab custodian.

— photo by Humphrey

Position Open, LASL

Los Alamos Scientific Laboratory seeks to fill the position of Associate Director for Research, with a senior scientific professional who will oversee the research divisions, and most of the non-defense project divisions. Candidates should have a Ph.D. in the physical sciences, a research record, and standing in the scientific and engineering communities. (U.S. citizenship required.) Further information is available from the Office of Scientific Personnel, Ext. 3338, or Mr. R. Lynn Wilson, Employment Manager, LASL.

Blood Drive June 27, 28

Donating blood is a lifesaving process. It's safe, easy and takes only about 30 minutes from start to finish. Be among over 700 other Lab employees who will each donate a pint of blood when the BNL blood drive is held on **Wednesday, June 27** and **Thursday, June 28**. Less than 200 pledges are needed to meet this year's goal of 900 pledges: return completed cards today to Jerry Kinne, Building 460. Those who send in pledge cards will be included in a drawing (to be held each day of the blood drive) to win one of ten Exhibit Center tote bags. Names of winners will be printed in next week's *Bulletin*.

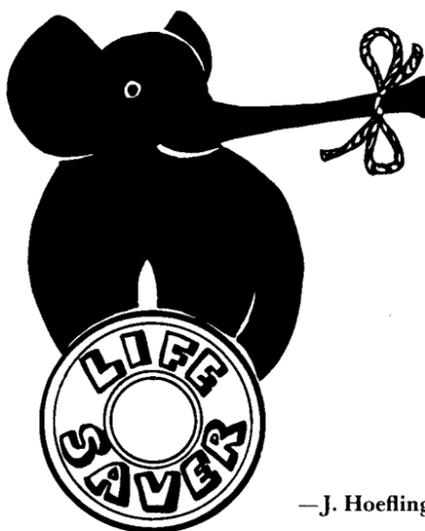
Arrivals & Departures

Arrivals

David L. Derryberry.....Physics
Susan G. Eng.....Applied Math.
Stephen S. Howell.....Accelerator
Kamari M. Jamali.....Nuclear Energy
James J. Jonke.....Accelerator
Horng-Ing Liou.....Physics
William J. Newburgh.....Central Shops
Frederick T. Reinert.....Central Shops

Departures

Elizabeth T. Coyle.....Medical
Frank M. Endres.....Safety & Env. Prot.
Barbara Franz.....Energy & Env.
Joel C. Goldstick.....Accelerator
Phyleate Harris.....Energy & Env.
Raymond J. Hartoin.....Accelerator
Deborah A. Mc Clemmon.....Nuclear Energy



—J. Hoefling

Don't Forget To Be A Lifesaver

Tour to Focus on Heliostat

This weekend's mini tour will highlight BNL's Heliostat Development Project. The Heliostat is a circular reflecting mirror, 16 feet in diameter, with 200 square feet of reflecting surface area. The Heliostat tracks the Sun's rays, concentrating and redirecting them to a solar collector target, where the heat created may be used to produce steam. Instead of conventional silvered glass, the reflecting surface is made of a lighter and less expensive plastic material known as aluminized polyester film which is laminated to a light weight support structure. Visitors will see the Heliostat itself and will learn about the process involved in constructing the plastic film surfaces. They will also see a film demonstrating the use of the Heliostat in directing and concentrating sunlight.

In addition to the mini tour of the Heliostat Project, visitors will view the 15-minute slide show entitled "Brookhaven's Quest" at Berkner Hall, take a bus tour of the Lab's 80-acre core site, and visit the Exhibit Center.

In Memoriam

Alfred Klement, a BNL employee since 1947 and a chef in the dietary department of the Medical Department for 18 years, died earlier this month. He is survived by his wife, Margaret. Klement was a resident of Calverton.

Soviet Scientist

(Cont'd)

kov, "on which we conduct similar experiments. We should get the same results." But, he continued, "we are interested in the differences we see which are due to differences in the devices used to measure results of experimentation."

Researchers in the exchange program hope to arrive at a common theory on superconducting cables. Their combined effort should result in the construction of a cable utilizing the theory. In this way, duplication of effort will be reduced. Blinkov felt that a cable might be put into practical use by 1985.

Favorable Impressions

Blinkov and Lutidze were favorably impressed with the US. Blinkov, who had been to the US before, compared his observations of American life to that of a 20th century Russian poet who, when visiting this country some 50 years ago, commented that he saw a "skyscraper America." Blinkov said this was an accurate assessment but that there were many smaller dwellings which he'd also seen, especially while touring Long Island, "I will leave with good impressions," said Lutidze, "I'd like to come again."

The Soviet visitors (who speak some English) were not able to get Russian newspapers but did see some US television programs while here and even mastered the distinctly American reaction to late night television; Blinkov fell asleep while watching an old movie.

Blinkov is a Russian, from the Soviet republic of Russia while his colleague is a Georgian. "I knew it!" said Jensen with a laugh, "Georgians are like Texans. You know from the first few moments of speaking to them where they're from because they're quick to tell you!"

The visitors spent their last weekend in the US touring New York City where they were able to shop for items to take home to their families. On Lutidze's list were jazz records and jeans which he said were "very fashionable in the USSR these days." Blinkov was looking for toy pistols and models of American cars for his young son. The Soviets departed for Moscow on June 17.

"We are surrounded by friendly Americans," concluded Blinkov, "one might even say they exhibited a kind of love toward us. It is pleasant to come here," he said with a smile. Lutidze continued, "The cooperation of both our countries is important. For those of us who have dedicated our professional lives to researching superconductors, the exchange program promotes confidence that we are pursuing the right path. In fact," he said, "we find that many of our Soviet colleagues are switching to the study of superconductors even though it's a relatively new field."

Theater Group

The Theater Group meeting originally scheduled for June 19 has been postponed to Tuesday, June 26 at 8:00 p.m. in Berkner Hall. The Group regrets any inconvenience to those who came on the original date. The meeting is called to decide on officers. The slate of officers is:

Pres.	Jane Love
V-Pres.	Sandra Lane
Sec.	Angela Costellano
Program	Joseph Skelly
Advisory	Anthony Fainberg
Publicity	Robert Kinsey
House	Joseph Boniface

Vaudeville Tryouts

Tryouts for Vaudeville Night will be held on July 9, 10, and 11 at 8:00 p.m. in the North Room of the Center. The Theatre Group would like to add a Barber Shop Quartet to its show; anyone who knows of a quartet should contact Liz Russell, Ext. 3940, or Jane Love, 286-1136.

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A long way from "airport hopping:" Ed Schwaner, Ron Dobert and Len Chimienti (left to right) at the Piper Airplane factory in Vero Beach, Florida. Accustomed to short "hops" to and from airports in six New York area states, the three Aviation Club members had completed their first lengthy flight, originating from Long Island.

BNL Flyers Complete Roundtrip to Florida

Early one spring morning, three determined BNL Aviation Club members made their way to Florida piloting a Piper Warrior from Brookhaven Airport of Vero Beach. The three, Ron Dobert, Len Chimienti and Ed Schwaner flew the plane VFR (visual flight rules) and met no difficulty either with the weather or with their craft until they stopped in Georgia. There they discovered that both of the plane's magnetos had failed, only one while they were airborne, however. After repairs, the men continued their flight enroute to Florida.

Seventeen hours from departure in New York, the three made a night landing in Stuart, Florida where, they commented, the coastal lights were beautiful and practical for use in navigation. The men were met by friends with whom they stayed.

The Piper factory in Vero Beach was the next stop for Schwaner, Dobert and Chimienti who were to ferry back a new plane for an aviation service on Long Island. A flight to the Gulf Coast city of Fort Myers proved interesting when the three noticed clouds of ashes at an altitude of 3000 feet. The clouds were composed of burnt husks a few inches in length which were the remnants of a harvested sugar cane crop. Chimienti noted that burning the crops in this way was a standard practice and that the dark clouds could be seen for a mile.

Less than a week from their starting date, Schwaner, Dobert and Chimienti, flying two planes in formation, prepared for their return trip. After flying over half a day, the crew flew over New York City at about 10 p.m. A clear night sky provided about 50 miles visibility. Five days and 45 hours (in a rather cramped cabin) combined flight time later, the three were back home and vowed they wouldn't fly again - at least for a few weeks.

Service Awards

The following employees will receive service awards during the month of June.

Thirty Years

Frederick L. Horn.....Dept. Nucl. Energy
Arthur F. Humm, Jr......Safety & Env. Prot.
Anthony Kokinelis.....Energy & Env.
Edward G. Reilly.....Physics
Andrew W. Sunyar.....Physics
William A. Tuthill.....Energy & Env.

Twenty-Five years

Edward Caruso.....Biology
Charles W. Flood, Jr......Safety & Env. Prot.
William J. Ruppert.....Plant Engrg.
Julius Spiro.....Accelerator
Edward J. Walsh.....Safety & Env. Prot.
Genevieve C. Zaharakis.....Supply & Mat.

Twenty Years

Joseph A. Bamberger.....Accelerator
Arland L. Carsten.....Medical
Helen M. Cherubini.....Director's Office
B. Bryan Culwick.....Accelerator
Marion D. Janes.....Photog. & Graph. Arts
Andrew Kevey.....Physics
Ottmar Kistner.....Physics
Thaddeus F. Kycia.....Physics
Satoshi Ozaki.....Physics
James E. Rutherford.....Physics

Ten Years

Bette A. Morgan.....Applied Math.
John J. Van Etten.....Medical

On-Site Children's Program

On-site residents are invited to register their children in the 1979 Summer Recreation Program scheduled to begin on Monday, July 2.

All activities take place in the Recreation Building located in the apartment area. Morning and afternoon sessions include structured arts and crafts, games, sports and special events.

A fee of \$30 for the first child and \$15 for each additional child in the family must accompany registration applications.

Information sheets and registration applications may be picked up at the BERA Film Service Office in the Cafeteria, or at the Recreation Office in Personnel.

Swimming Lessons

Registration applications for swimming lessons open to children of all on-site employees may be picked up at the BERA Film Service Office between 9:00 a.m. and 1:00 p.m. or at the Recreation Office in Personnel between 8:30 a.m. and 5:00 p.m. Lessons will begin on Monday, July 2. Each child will be scheduled for one lesson each week for a total of eight lessons.

Participation requirement: minimum height of 48". Registration fee: \$15 for each child. Children will also pay the \$1 daily admission fee or present a season ticket.

Application with registration fee (check payable to "BERA") may be sent or dropped off at the Recreation Office.

Weekend Bike Tour

The Suffolk Bicycle Riders Association has organized a pair of bicycle tours from Wildwood State Park this Sunday, June 24. The tours leave the parking lot at 10:00 a.m. The courses, one 32 miles and the other 64 miles in length, have been mapped out. Both are directed toward Jamesport. For additional info call Bob, Ext. 4824/4688 or 744-5098.

IBEW Meeting

Local 2230, I.B.E.W. will hold its regular monthly meeting on June 28, 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.

Gym Lockers

Renewals for men's locker rentals are due no later than July 2.

Anyone who has a registered locker and who has not received a notice for renewal from the Recreation Office, should contact Rae Marie Stelts, extension 3347, as soon as possible.

Gym Closing

Due to next week's blood drive to be held in the gymnasium, the facility will be closed to all athletic activities from Monday, June 25, at 9:30 p.m. to Friday, June 29 at 12:00 noon.

This closing will not affect the swimming pool schedule or the use of locker rooms located at the pool or in the gym.

Soccer

Soccer is played on Monday evenings at 5:15 p.m. at the Recreation Park. New players are welcome.

The annual game against the New York Oldtimers is set for 2:00 p.m. on Saturday, August 4.

Softball

League I

Sweathogs 16 - Strikers 15
Blue Jays 16 - Old Timers 6
Six Pax - Source I 16
Phoubars 11 - Ravens 10

Mixed League

Nads 14 - Confoozed 7
TNT 8 - Who Cares 7
EZ Riders -8 Balls & Strikes 3
Thrids 18 - Who's On First 12
Oh Kays 9 - Diamonds 7
Source III 13 - Random Sample 8
Underalls 23 - Turkeys 15

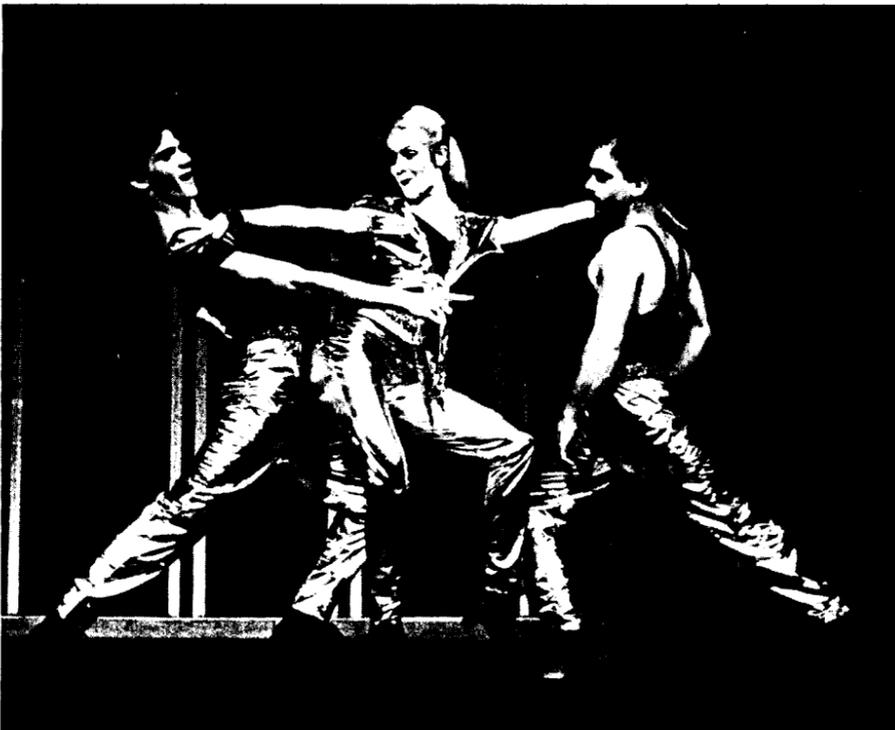
League III

Binary Bombers 18 - Ice Pops 11
Big Sticks 27 - Medical 4
Binary Bombers 17 - Medical 11
Moles 18 - Big Sticks 10
AMD Bombers 15 - Charlie Browns 6
Source II 13 - Charlie Browns 12
Cardinals 24 - Source II 6

Cafeteria Menu

Week Ending June 29, 1979

Monday, June 25	
Beef barley soup	(cup) .30 (bowl) .40
Batter fried steak w/1 veg.	1.45
Franks and beans	1.15
Hot Deli - Pastrami	(on bread) 1.30 (on roll) 1.40
Tuesday, June 26	
Cheese chowder	(cup) .40 (bowl) .50
Chopped steak w/1 veg.	1.25
Turkey tetrazzini	1.30
Hot Deli - Grilled Reuben	1.30
Wednesday, June 27	
Minestrone soup	(cup) .40 (bowl) .50
Homemade lasagne w/1 veg.	1.40
Fried rice and pork w/Chinese noodles	1.40
Hot Deli - Italian sausage and peppers hero	1.30
Thursday, June 28	
Chicken rice soup	(cup) .30 (bowl) .40
Cheddar melt w/ham	1.45
Beef liver and onions w/1 veg.	1.20
Hot Deli - Barbecued beef	(on bread) 1.30 (on roll) 1.40
Friday, June 29	
Cream of celery soup	(cup) .40 (bowl) .50
Pot Roast w/1 veg.	1.45
Seafood cakes and spaghetti	1.10
Hot Deli - Smoked tongue	(on bread) 1.30 (on roll) 1.40
Saga Foods	



From "Midtown Magic:" Long Island Dance Company dancers Mark Filman, Veronica Hackett and Larry Palladino in a selection from "Dance-Fusion," to be presented in Berkner Hall on Sunday, July 8 at 4 p.m. Tickets go on sale next week.

LI Dancers Perform At Berkner Hall

The Long Island Dance Company will perform "Dance-Fusion," a unique program which combines ballet, modern, jazz and tap dance, at Berkner Hall on Sunday, July 8 at 4 p.m. Formed in 1978, the company is under the artistic direction of choreographer Sandra Jemal, creator of "Dance-Fusion." The Company appearance is sponsored by BERA.

"Dance-Fusion" consists of three sets; "Midtown Magic" (which features selections from "Pippin," "The Wiz," and "Grease,"); "P.M. Pantomimes," and "Inter*Planet*Tation," a finale comprising all dance styles in one number and set to the music of the film "Star Wars."

The Long Island Dance Company is a non-profit organization. It seeks to provide its talented young dancers with an outlet

for the development of serious artistic achievement. The Company will perform on Long Island throughout the summer.

Born in Washington, D.C., raised in New York City and now a resident of Long Island, choreographer Jemal has had 25 years experience as a dancer, director and educator. She studied at Queens College and danced with Ballet Russe De Monte Carlo, under the direction of Madame Swoboda. Jemal is presently teaching and directing at the Long Island Academy of Dance Arts.

Tickets for "Dance-Fusion" are available at the door prior to the performance and will be on sale at the Cafeteria during lunchtime beginning the week of June 25. Tickets are \$3 for general admission, \$2 for students and senior citizens and \$1 for those 18 years of age and under.

Classified Advertisements

POSITIONS OPEN: Scientific. The following staff positions are open. Candidates may apply directly to the department representative named, or through the Office of Scientific Personnel, Ext. 3338.

CHEMICAL ENGINEER - Department of Energy & Environment. Chromatographic processes for the separation of gaseous mixtures. Contact Dr. Frank B. Hill.

MATERIALS SCIENTIST/SOLID STATE PHYSICIST - Department of Energy and Environment. Metal-hydrogen systems; X-ray diffraction and surface analysis. Contact: Dr. Masaki Suenaga.

POSTDOCTORAL RESEARCH ASSOCIATE - Chemistry Department. Synthesis and reactivity of transition-metal complexes. Contact: Dr. Carol A. Creutz.

POSTDOCTORAL RESEARCH ASSOCIATE - Department of Energy & Environment. Ph.D. in Chemistry; conductivity of organometallic compounds. Contact: Dr. Manny Hillman.

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.

LABORATORY RECRUITMENT: Opportunity for present Laboratory employees.

1022. LABORER - Temporary (7/2/79 - 10/14/79). Plant Engineering Division.

1023. LAUNDRY OPERATOR B - Temporary (7/2/79 - 9/30/79). Plant Engineering Division.

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

1024. DEPUTY MANAGER, PLANT ENGINEERING - To share major responsibility for the design, construction and maintenance of BNL's physical facilities, as well as provide support to the scientific departments. Requires solid technical education in mechanical, civil or electrical engineering; in-depth engineering work experience; and demonstrated success as a manager. Candidates should also possess excellent oral and written communications skills; have significant union relations experience; and be comfortable in a management-by-objectives environment. Plant Engineering Division.

1025. MECHANICAL TECHNICIANS (2 positions) - Requires AAS degree or equivalent with experience in the proper use of tools, the ability to assemble large components carefully and the ability to coordinate work with others. Experience with leak detectors and cryogenic devices desirable. Occasional shift work. Accelerator Department, ISABELLE Project.

1026. NUCLEAR REACTOR OPERATOR TRAINEE - Requires AAS degree in physical sciences or nuclear technology or equivalent knowledge or the basic principles of reactor operation and experience maintaining and operating electrical and mechanical equipment. Will operate and maintain HFBR and auxiliary equipment. Must be willing to work rotating shifts. Reactor Division.

1027. COMPUTER OPERATOR - Temporary (2 month position). Requires AAS degree in data processing or successful completion of computer operations training program or equivalent experience assisting in the operation of a large electronic digital computer. Must be willing to work rotating shifts. Applied Mathematics Department.

1028. OFFICE SERVICES ASSISTANT - Temporary (3 month position). Requires excellent record keeping and computational skills. Will prepare and process invoices and travel vouchers for payment. Fiscal Division.

1029. TECHNICIAN - Requires an AAS in mechanical technology or equivalent experience. Will work in the general technical support group. Requires good knowledge of machine shop practice, sheet metal fabrication, and assembling and troubleshooting mechanical devices. Experience in fabrication and repair of particle detectors desirable. Physics Department.

Autos & Auto Supplies

69 BUICK SKYLARK - 2 dr, ps/pb, a/t, a/c, runs well, must sell, any reasonable offer. Stan, 286-3333.

73 OLDS TORONADO - beautiful cond, all luxury extras, very low mi, sacrifice. 286-0626.

74 CAMARO - good cond, a/t, new exhaust sys, snows, reg gas. Best offer over \$2400. John, Ext. 7995, 654-2093 after 5:30.

67 CHEVY IMPALA - 283 c.i.d., runs well, excel transp. 751-2149.

TIRES - new, used, rims, service, free installation, balance avail, Gillette, BF Goodrich. Fred Usack, lunchtime Ext. 4798.

67 CHRYSLER NEWPORT - good cond, a/c. \$300. 928-5031 after 5:30.

74 MONTE CARLO - a/t, p/s, a/c, pinstripe, mint cond, brown/white landau roof, radials. \$2700. Frank, Ext. 3898.

67 PLYMOUTH BARRACUDA - AM/FM stereo cass, ps/pb, new tires, alt, batt, tune-up. \$350. Ext. 3840.

74 HARLEY DAVIDSON SPORTSTER - 1000 cc, all chrome, excel cond. 499-3223.

74 DATSON B210 - 50,000 mi, 30 mpg, snows, AM/FM, good cond. \$1800/best offer. Maureen, Ext. 7791.

64 RAMBLER - good for transp, \$75; Chev 230 eng, needs some work, \$30. 289-0687.

77 AMC PACER DL - 21,000 mi, a/c, AM/FM stereo, luggage rack, many extras, priced to sell. 475-2510.

68 OLDS CUTLASS - a/t, 2 dr, ps/pb, good cond, runs well. \$350. Artie, 698-5069.

69 CADILLAC - Coupe de Ville, full pwr, orig owner, newly painted, good cond. \$950. Ext. 4503, 472-0035.

70 BUICK SKYLARK - 4 dr, a/t, ps/pb, radial tires, a/c, new paint. \$850. 331-2779 eves.

72 AUDI 100LS - 4 dr a/c (needs charging), sun-roof, 86,000 mi. Asking \$1500. Borg, Ext. 3623.

72 BULTACO - Pursang motorcross trail bike, 250 cc, excel cond. \$500. 325-0233.

CASSETTE DECK - under-dash, Pioneer KP-66G, w/40w pwr amp, excel cond. \$170. Ralph, Ext. 2027, weekends.

74 GRAND PRIX - J model, 47,000 mi, full pwr, AM/FM tape, excel cond. \$3100. 732-2134, 928-3067.

77 DODGE ASPEN WGN - a/t, a/c, p/s, excel cond. 473-2473.

USED MOTOCROSS EQUIPMENT - boots, leathers, etc; 76 Ford F250 4x4, cap, 8' plow, 12x16.5 chrome spokes, loaded. 281-6325 after 5.

71 PLY CRICKET - 4 cyl, 4 dr, 50,000 mi, good running cond. \$400. Frank, Ext. 3121.

4 TIRES - 6.15x13 w/w, good shape. \$25. Ext. 4417, 475-0002 after 6.

HUB CAPS - Mustang 13" wheel, 4, name your price. Saxon, 929-4701.

67 CHEVY IMPALA - good running cond, pass NYS inspection. \$195. Larry, 751-2149.

4 RIMS - for 73 Datsun, 13" wheels. Ext. 3365.

71 MERCURY MARQUIS - compl towing pkg, a/c, burns reg gas - frequently. \$400. Ruth, Ext. 7774.

73 MINI MOTOR HOME - 22', Dodge chassis, very good cond. \$5500 neg. Geerd, Ext. 4393/4890.

FORD ENG - 390 c.i., good cond. \$175. Ext. 4539.

77 TRAIL BIKE - KTM/Penton, 175 cc. \$600. Ext. 2311, 325-9580 after 6.

FIBERGLASS CAP - for Ford pickup w/8' bed, sliding front window, good cond. \$300. Ext. 4235.

78 KTM TRAIL BIKE - 250 cc, like new, Fox air shocks, air forks, hi point air box. \$1100. Ext. 2311, 325-9580 after 6.

76 CHEVY VAN - 6 cyl, a/t, very good cond. \$3000. 286-8256.

73 YAMAHA MX-250 - trail bike. Asking \$400. 821-0599.

78 PONTIAC PHOENIX - lt blue, V6, a/t, a/c, ps/pb, AM/FM/8-trk, w/w radials, more, showrm cond, high mpg. Ext. 3860, 698-5298.

68 CHEVROLET - Caprice, 4 dr sedan, full pwr, good cond. Ext. 4503, 472-0035.

CB - 40 channel, antennae, car console stand. \$70. 929-3427.

73 DODGE MOTOR HOME - 22', sleeps 6, fully self cont, very good cond. ca \$5500. Ext. 4393.

PUSH BUMPER - 62" long. \$10. John, Ext. 4425.

69 FORD FAIRLANE - 6 cyl, new batt, body fair. \$250. Jack, Ext. 2485.

70 PEUGEOT 504 - poor shape, runs, but offered only for parts. J. Kopp, Ext. 3778.

TRAILER HITCH - h.d. class III, fit 1972-73 Ford, \$50; 3 tires, HR70-15 steel belted, \$15 ea. 732-5004.

TIRES - (2) snows F78-14, fair cond, \$5 ea; (1) Firestone deluxe W/R 4-lug, 6.45-14, \$30. Charlie, Ext. 4201.

69 FORD LTD WGN - \$200 or best offer. Neil, Ext. 2023.

2 VOLVO RIMS - 15". \$12/both. 744-6874.

71 VW KARMANN GHIA - 22,000 mi on new eng, good cond. Kathy, Ext. 4142, 929-4182.

75 FORD ELITE - 57,000 mi, loaded, excel, must sell. \$2900. Paul, Ext. 2023, 727-1464.

CAR CASSETTE DECK - Pioneer, \$20; SW Stage III tach, \$30. Chris, Ext. 4227.

Boats & Marine Supplies

USED COMMERCIAL CLAM RAKES - 281-6325 after 5.

FISHING CHAIR - pedestal mount, white, like new. \$80. Lou, Ext. 4687.

OUTBOARD MOTOR - 1971 Johnson 115 hp, excel cond. \$795. Don, Ext. 3397, 289-0265.

O. DAY 75 MARINER - & Evinrude outboard, compl equipped, excel cond. Sail away at \$3850. 289-1903.

1978 MERCURY MARINER - 20 hp w/remote controls, used only 1 hr. 286-0626.

20' GARVEY - 7' beam, cabin, good work boat (heavy), glass over wood. \$650 or best offer. Lawrence, Ext. 4107, 472-0721.

16' LAPSTRAKE - 33 hp Johnson, trailer, extra, extra tanks, skis. Best offer over \$300. Tom, Ext. 4227.

1972 WELLCRAFT V-20, 165 1/0, new full canvas & seats, extras, very clean, trailer. Asking \$4795. 821-0599.

BOAT FENDER - jumbo size 8"x26", adjustable pressure, new cond. \$27.50. B. Espensen, Ext. 3992, 298-4172.

BOAT TRAILER - Cox type, for 15/16' boat, needs work. Bill, Ext. 4605, 281-0557.

LOCKLEY - Sea Devil sloop rig. 12'x3-1/2', will sail 1 or 2 lt/wt. \$125. Charlie, Ext. 4201.

19' ODAY MARINER - centerboard, 4 hp Evinrude, excel cond, many extras, sale/rent, in PJ Marina. 473-2473.

Yard Sales

BELLPORT - 1A Cedar St bet Bieselin & Fairway, June 23-24, 11-4, furniture, etc. Lowenstein, Ext. 4611.

BELLPORT - 14 Livingston, Sat-Sun, 10-4, sofa, chairs, rugs, tables misc. 286-2320.

Miscellaneous

CAMERA - 35mm Canon EF, 1.4 FD lens, excel cond. \$350. Ext. 2027, 698-7057 weekends.

BUFFET - Danish Mod, 5'x36", walnut wood, good cond. \$150. Ext. 4532, 277-4091.

THOMAS ORGAN - fully automatic. Cost \$1800, selling for \$1000. J. Soler, 234-7225.

PANTS SUIT - blue denim, child's size 8, worn once, excel cond. \$10. 281-0843.

KITCHEN TABLE - 4 chairs, wood, formica top. \$30. Ext. 3284.

WATCH - Seiko chronograph. New \$145, asking \$45. Don, Ext. 4551.

WEDDING GOWN - white alencon lace & seed pearls, size 10-11, like new. \$100. J. Arbeit, 928-5714.

STONE - for your barbecue, gardens, walks, 2 tons, all or part. 924-3553.

WATER BED - king size matt, liner & heater, excel cond. \$100. Rick, Ext. 4664, 475-7652.

EMERSON QUIET COOL - ccn cool 4 rms, good cond, \$200; ladies' girl's 3 spd Royal bike, \$25. 744-5801.

NORGE REFRIG - 11 cu ft, runs well, clean. \$35. Joe, Ext. 4547, 399-2018 eves.

PET ENCLOSURE - heavy duty steel, lg size, 60L, 35H, 27W, great for training. \$60. 475-8658.

PROBLEMS W/DRINKING WATER - at home or at camp? Water filter, \$30. Ext. 3655, 281-2002.

COMPL DIVING GEAR - \$100. 928-5031 after 5:30.

CASTRO CONV - \$150; sunlamp, \$10; antique fireplace, \$50. Doreen, Ext. 2466.

RUG CLEANER - & floor polisher, Singer. \$70, negotiable. 736-2511 after 6 & weekends.

BATTERY - for electronic watch; Ray-O-Vac RW42, fits all Timex & other watches. Frank, 3898.

PINE BOOKCASE - 4-shelf, dark stained, 5'x4'x9 1/2", 13 1/2" books. \$40. Connie, 475-0465.

PULLEY-CRANE - \$7; 2 dr white enamel/chrome ice box, \$25, bowling ball, \$5; trunk, \$25. 281-8592.

FLUTE - Buescher, used only 3 yrs, excel cond. \$100. Also, ass't of flute music. G. Kinne, Ext. 3334.

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

S. SETAUKET - exclusive neighborhood, 5 yr old 3-4 bedrm ranch, center hall, lg country kit, 2 baths, L/R, fam rm w/fp, lg fenced-in yard, alt gar, laundry rm, carpeted, 1/2 acre, a/c, assumable mtg. \$45,000. Ext. 2298, 736-2818.

SETAUKET - 3 bedrms, 2 baths, ranch, lg eik, fp, central air, full bsmt, 1/2 acre w/harbor view, s/s, w/w. \$75,900. Ric, Ext. 2266, 689-9210 eves.

SETAUKET - Nassakeag Ridge, 3 bedrm colonial, lg fam rm, 1/2 acre treed, walk to Univ & elem school. 65,000. Ext. 2443, 751-0637.

E. PATCHOGUE - So./So. Country Rd, 5 rms, 2 bedrm ranch, .45 acre, alum siding, detached gar, screened porch, fp, full bsmt, low taxes, assumable mtg. \$34,900. Ext. 7992, 286-2905.

S. SETAUKET - 3 Village Schools, 4-bedrm Jamestown ranch, bsmt, den w/fp, 2-car gar, fenced, appl, eik, extras. \$46,500. Paula, Ext. 2253, 698-8950.

CORAM - beautiful tudor cape, treed 1/2 acre, 6 rms, 2-car gar, w/w all appl, gas heat, 7% assumable, must sell. \$31,900, make offer. Ext. 2249, 732-6421.

S. SHIRLEY - 3 bedrms (possible 4th) 1 full + 2 half baths, L/R, D/R, eik, den w/fp & woodburning stove, bsmt, 2-car gar, many extras, 7 mi from BNL. \$37,000/negotiable. Ext. 3827, 281-0804 eves.

BELLPORT VILLAGE - cozy 2 story house, 4 med size bedrms, eik, comb liv/din rm, 1 1/2 baths, laundry, rm, porch, 80'x147' corner, near schools, low taxes. Low 30's. Charlie, Ext. 4201, 234-8530.

RIDGE - 2 bedrm townhouse, 2 1/2 mi from BNL, 5 appl, a/c, w/w, excel cond. \$2500 over mtg. 924-7963 after 6.

SETAUKET - N/25A, 4 bedrms, 2-car gar, 2 baths, L/R & fam rm ea w/fp, D/R, 1/2 acre landscaped. \$70,000 firm. Ext. 2337, 751-1283.

CALVERTON - mother/daughter 3 bedrm ranch, oil fired heat & water, s/s, fin bsmt, 1 acre prop. \$31,000. Ext. 2022, 727-9058.

SHOREHAM - custom built colonial, white cedar shakes, 2000 sq ft liv space, w/w, s/s, 2-car gar, 1 acre fenced & landscaped. \$56,000. Ext. 3040, 744-2821.

For Rent

WADING RIVER - 1 bedrm apt, walk-in pantry, woodburning stove in fp, sunrm, all util pd, avail to show June 1. \$325/mo. 929-8846.

VT CHALET - beautiful furn, stone fp, woodland hiking trails, swimming pond, lake, canoeing, fishing, near golf, tennis, antiques, alpine slide, rent weekly. Ext. 3448, 757-5599 after 4 & weekends.

BLUE POINT - bulkhead canal front, 2 bedrm house, sitting rm w/balcony overlooking bay, 1 1/2 baths, secluded area, big yard. \$450/mo. Beitel, Ext. 4223, 363-2101.

STRATHMORE RIDGE - 2 bedrms, 1 1/2 baths, 5 appl, w/w, a/c, patio, storage rm, avail July 1, 5 min to Lab. \$325/mo + util. Ext. 3886, 924-6205.

N. SHIRLEY - 3 bedrm apt, 5 min from Lab, all util incl, no pets, avail Sept 1. Ext. 2540, 924-8264 after 6.

PT JEFF - 4 bedrm house, quiet st, near village beach, tennis, golf, shopping, harbor, compl furn, avail mid July-Aug-31. 473-2473.

POCONO'S CHALET - near Lake Wallenpaupack, tennis, swimming, boating, alpine slide. Ext. 4551, 289-2159.

RIVERHEAD - room for rent, share facilities, util pd. \$35/wk. 727-9058, Ext. 2022.

MANORVILLE - 1 bedrm apt, swim pool, tennis, golf, 10 min from BNL, immed occupancy. \$300/mo. Ext. 2878, 878-8008.

Wanted

KITCHEN SET - 6 chairs, excel cond (sturdy). E. Mack, 698-3174 weekends, 732-0400 Ext. 443 week days.

HIGH CHAIR - good cond, folding type preferred. Edith, Ext. 3336; Frank, 4659; 473-9379.

SOURCE FOR BUMPER STICKERS - "Nukes are safer than foreign oil." Kuper, Ext. 3311.

UNITED SPECIAL DISCOUNT COUPON - for purchase, or in exchange for my American SDC. Fiarman, Ext. 2925.

BOAT TO RENT - experienced boater wishes to rent a power boat weekdays for fishing. Ext. 2416, 265-5412 after 6.

ANIMAL LOVER - to care for Golden Retriever for 2 mos. 727-0790.

SHOTGUN - reasonable cond, reasonable price, d/bl pref. Charlie, Ext. 4201.

COINS - buying coins, collections, estates, accumulations, highest prices paid. Jerry Spillman, Ext. 3399.

RESPONSIBLE BABYSITTER - occasional eves, on site. Greenberg, Ext. 4897/3836.

DANCER(S) - hula or Polynesian, & sword act for home party. Ext. 3268, 724-6180.

BUCKET SEAT - for 63 Falcon Sprint. Russ, 325-0563.

WATER PUMP BODY - Gould. Ext. 4612.

FREEZER - about 5 cu ft; car top carrier; picnic gas; tent; lamp; sleeping bag; cooler; & matt. 345-3079 eves.

OSCILLOSCOPE - d.c., in good cond. Jim, Ext. 3372.

2 TIRES - F70-14 or F78-14, good cond & tread. Ron, Ext. 2677.

GOOD HOME - grey tiger-calico cat, female, 6 mo old, affectionate, excel pet, must find home soon. Sue, Ext. 2913.

HOMES - for cats or kittens; they make wonderful gifts for children or adults. Joann, 744-2821.

TIRE & RIM - for util trailer, spare, size 5.00-8, 4-lug. Charlies, Ext. 4201.

RESPONSIBLE HOUSEMATES - adjacent to Stony Brook campus, July 1 - Aug 25. \$100/mo + util. Loren, Ext. 2677.

FUEL OIL TANK - 275 to 500 gals. R. Cook, Ext. 4592, 935-5612.

Car Pools

LEVITTOWN-MASSAPEQUA - need 2 members, vicinity Exit 29 So State Pkwy. Mike, Ext. 3658; Bob, Ext. 3654.

SO. STATE PKWY - vicinity Exit 32. Plotkin, Ext. 4717; Blackmur, Ext. 4670.

ST. JAMES - would like to start or join car pool. C. Eld, Ext. 4636.

E. PATCHOGUE - or Bellport area, form or join car pool. Ext. 3845.

SETAUKET - Thompson Hay thru 112 Coram, will give ride on my way. Yako, Ext. 2254.

COMMACK - KING'S PARK - 8:30 to 5 shift; Fred, Ext. 4313.

PORT JEFFERSON - to join/start car pool. Rosanne, Ext. 2345.

Services