# BROOKHAVEN BULLETIN

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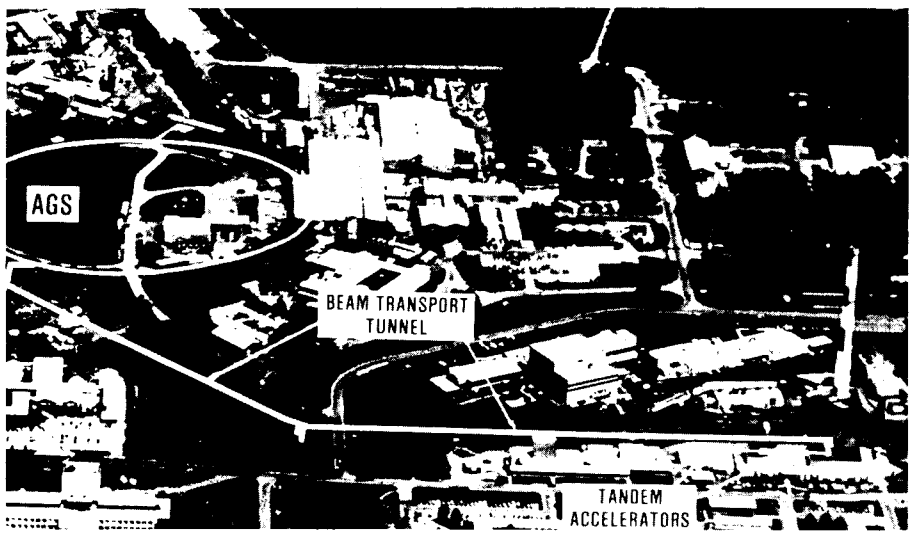
BROOKHAVEN NATIONAL LABORATORY


Construction on the beam transport tunnel will begin in the fall. Through the 2000-foot transfer line, a heavy ion beam, generated in the Tandem Van de Graaff's two accelerators, will be transported to the AGS, where it will then be accelerated to an energy of about 15 GeV/nucleon.

## Update

# Tandem/AGS Link

Last year, the Department of Energy approved a proposal to link the AGS and the Tandem Van de Graaff accelerator, to create a facility for doing heavy ion research at energies up to 15 billion electron volts (GeV)per nucleon. At the end of June, the monies needed to begin this project were offically written into the Congressional budgets for fiscal years 1984 and 1985, allocating $5.3 million for FY84 and $5 million for FY85. Next week, the Contracts & Procurement Division will start calling for bids on construction of the heavy ion transfer line, a 2000-foot long, 10-foot diameter tunnel which will form the connection between the AGS and the Tandem.

Other areas that must be attended to before the project can be completed, in mid-1986, include:

- AGS — In order for heavy ions to circulate in the AGS, modifications must be made to the accelerator's injection, radio frequency and control systems.
- Tandem — To enable the Tandem, which operates on continuous current, to inject heavy ions into the pulsed AGS, two new pulsed ion sources will be installed. An intershield will also be installed, to increase voltage stability.
- Instrumentation — Modifications to the Multiparticle Spectrometer lead the kinds of instrumentation being considered for nuclear beam experimentation at the AGS. Another instrument under consideration is a high resolution forward calorimeter.

The completion of this project will mark the opening of a new area of physics research at Brookhaven. Intermediate mass ions, up to sulfur, supplied by the Tandem and transferred to the AGS through the new tunnel, will be accelerated in the AGS to 15 GeV/nucleon, then sent down the AGS beam line to collide with the fixed targets. At that point, researchers hope to observe new phenomena predicted to arise when nuclear matter is compressed to extreme states of temperature and density.

# Energy Secretary at BNL

Secretary of Energy Donald Hodel visited Brookhaven for the first time on July 2, and he brought with him his Israeli counterpart, Minister for Energy Yitzhak Moda'i. Last December in Jerusalem, the two ministers set up a joint task force on energy cooperation aimed at long-term sharing of energy research and development activities.

Hodel was briefed by Lab Director Nicholas Samios on the Lab's present programs and future plans. The Secretary said he was "excited and intrigued" by what he heard and that he looked forward to further briefings.

The Israeli Minister found the Laboratory "overwhelming" and said "one could take months to observe what is being studied here."

Moda'i and Hodel visited the NSLS, the Superconducting Transmission Line, PETT VI and scientists working on the SSC magnet. At the conclusion of their tour, they answered questions from the press at the Brookhaven House. Most of the questions centered on the Shoreham nuclear power plant. The Secretary said he was in favor of opening the plant.

Secretary Hodel (right) and Minister Moda'i talked to the press at the Brookhaven House.

Viewing a cross section of the SSC magnet being developed at Brookhaven are (from left) Robert Palmer, BNL; Mr. Moda'i; Mr. Hodel; Donald Pearlman, Exec. Asst. to Mr. Hodel; and Martin Blume, BNL. —photos by Rosen

# Working With Energy Problems In Developing Countries

For over 30 years, the U. S. Agency for International Development (USAID) has been assisting these countries with programs to improve agriculture and health, and for the past decade, with energy policy and planning. USAID officers have responsibility for carrying out these programs in the field, but most are not energy experts.

To highlight the vital role of energy and to give its field officers an across-the-board perspective on energy issues, USAID asked BNL to prepare an energy training course. And so, for two weeks last month, 21 AID officers met here to learn about various energy technologies, how to plan with limited energy resources and to hear about energy projects already carried out by AID. Included in the group were officers working in Mali, Morocco, Tunisia, Uganda, Liberia, Kenya, Upper Volta, Costa Rica, Yemen and Egypt, and representing the Africa, Asia and Latin America Bureaus of AID.

Speakers were drawn from BNL, other laboratories, universities (in particular, SUNY Stony Brook), consulting firms and USAID. Guest lecturers included Dr. Mohan Munasinghe, Senior Advisor to the President of Sri Lanka and Dr. Irving Friedman, member of the International Advisory Board to The First Boston Corporation.

Peter Horton

Some of the USAID officers attending the energy training course at BNL from June 18-29 were (from left): Gary Bricker, Morocco; Mohamed Ali Hassairi, Tunisia; Sally Patton, Washington, D.C.; Martin Bush, U. of Florida (a speaker); and Jon Anderson, Africa Bureau.

Most of the participants came from Africa where wood fuel is a big fraction of that continent's energy resources and where supplies are dwindling. To move into the 21st century requires a modern, diversified energy system — a highly expensive venture, given the current energy prices. It is much more difficult for Africa to industrialize now, than it was for Western countries when oil was cheap.

In the meantime, as a bridge, transitional strategies are being developed for a more efficient use of present energy resources. David Jhirad, chairman of the conference, and a member of the International Energy Group of BNL's Department of Applied Science, says that there will be 650 million people in Africa by the year 2000, of which 250 million will be urban dwellers. One of the strategies envisioned is the building up of large plantations around urban areas to provide wood for charcoal, the principal form of fuel used in the cities. It has also been recommended that Africa use wood for small power stations and exploit the small oil and gas deposits distributed around the continent.

Brookhaven was asked to prepare the course because of its long experience in diverse energy projects for AID and DOE. For example, the International Energy Group has just concluded a 5-year training program which has educated nationals of developing countries in the many aspects of energy. Because a major part of the export earnings of their countries is spent on imported oil, says Jhirad, "the whole question of finding affordable alternatives is of the highest priority." Jhirad is planning to go to Washington for a year to help AID develop new programs tailored to specific countries and regions, in an attempt to implement some of these alternatives.

# Inside Info

Martin Blume, Associate Director for Low Energy Physics and Chemistry, has been named a Fellow of the American Association for the Advancement of Science. He was cited for "significant contributions to understanding of the magnetic properties of matter, and for leadership in the development of the National Synchrotron Light Source."

## Sunday Tour

**Visitors to the Lab this Sunday, July 15, have a special treat in store for them. They will see an entertaining and educational live stage show called "Energy Today and Tomorrow" presented at noon, 1 p.m. and 3 p.m. The show features an array of unusual electronic teaching devices, like an animated garbage can that demonstrates the value of recycling, a bicycle that generates electricity, an electrostatic precipitator to control pollution and an electric motorcycle.**

**The program also includes a bus tour of the Lab site and a guided walking tour of the Exhibit Center. Visitors may arrive any time between 10 a.m. and 3 p.m.**

## Headache Study

Volunteers are needed for a new study on headaches utilizing PETT (Positron Emission Transaxial Tomography) to quantitatively assess regional brain glucose metabolism. The project is seeking volunteers who are prone to hangover headaches. (Confidentiality will be maintained). Prospective participants may obtrain more details on the studies by contacting Dr. Howard Sachs at the Health Sciences Center, SUNY Stony Brook, 444-1432.

# Gould on Evolution

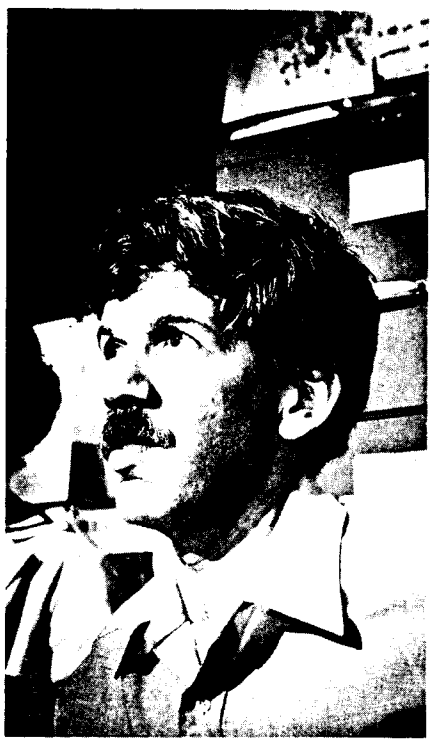
"There is a pattern in the history of life, but it is not the pattern that we thought," argued evolutionary theorist Stephen Jay Gould in his "Pattern and Non-Pattern in the History of Life" presentation on June 28 at Brookhaven's 30th AUI Distinguished Lecture.

During his talk to a standing-room-only crowd, Gould referred to Darwin's belief that species should progress as they adapt to the environment and compete for reproductive success. The paradox of this belief is that species do not progress. "Evolution to me seems to be a lot of backing and forthing and going here and there, and we still have the same basic designs," said Gould.

To explain the evolutionary success of some organisms over their competitors, Gould suggested the periodic occurrence of brief, cataclysmic events on earth. These events cause a random mass extinction of species by mechanisms for which organisms cannot prepare. "Mass extinction," declared Gould, "resets the clock frequently enough so that if any progress is accumulating, it is undone sufficiently often."

Gould stated that until about six months ago he thought that the entire resolution to the paradox of no progress could be read out of his own theory of punctuated equilibrium, which holds that most evolutionary changes do not accumulate slowly and gradually, but instead occur geologically instantaneously. Gould now believes that the undoing force of mass extinction is more important.

—Sally Sargent



Mort Rosen

**Stephen Jay Gould in one of the labs in the Biology Department which he visited after his arrival at BNL.**

## Stock Aid

In a recent Resource Management Project, George Dioguardo, Supply & Materiel, focused on the confusion that sometimes occurs on withdrawals from the Stores Inventory System. Problems range from an employee's inability to find the proper item in the stores catalogue, to ordering the wrong amount due to the unit of issue.

As a result of his project, it was decided to assign Dioguardo to deal with specific problems. If you are experiencing any difficulties in requisitioning material, call him on Ext. 2375 and he will put you on the right track. Users in the same work area should get together before calling, in order to reduce the need for duplicate discussions.

As before, questions or problems relating to the type or quality of materials stocked, should be directed to the Quality Control Section on Ext. 2979.

## In Memoriam

Philip Connolly, a physicist in the Omega Group, Physics Department, died on July 1 at Mather Memorial Hospital. He was 54 years old.

A Canadian citizen, Connolly received his Ph.D. from Cornell and spent a postdoctoral year there before joining the Physics Department on September 19, 1960. He was in the Bubble Chamber Group for many years and was associated with the major discoveries of the Omega minus particle and the first charmed baryon. His major interest has been in the use of the computer in this physics, which culminated with the electronic neutrino experiments currently at the AGS. Long time associate, senior physicist Hywel White, said, "his technical expertise and his solid contributions will be sorely missed."

Connolly was a resident of Shoreham. He is survived by his wife, Roseann, and a sister, Eileen Travis of Rothesay, N.B., Canada.

# *Graduation Day for Police*

As Jack Barry's bagpipe rang out, the company of five BNL patrol officers-to-be marched in unison across the softball field last Tuesday afternoon. The audience of about 25 had gathered to witness the event, the first of its kind, and patiently anticipated the final step in the training program: graduation.

The five proud officers are: Michael Huskey, Michael Mallon, Doreen Spires, Robert Schmidt, and Barry Cunningham. Spires and Cunningham will be assigned to a squad on site, while the others are temporarily assigned to assist in an upcoming tactical training program.

The event was orchestrated by Captain Pat Cahill, the police group's training officer, who spent three months training the recruits, which she regarded as "excellent." Since she came to Broookhaven eight years ago there has never been a ceremony of this kind, and as the newly appointed training officer, she felt that it was time one was held. "They deserve the recognition," she said.

Cahill recounted the story of how the group planned the successful apprehension of a person who was responsible for a series of thefts in a building on site. They worked well together, she said, and for their fine job, they received excellent police duty awards.

Also on hand to address the company were Len Emma, Manager of the Safeguards & Emergency Services Division; Bernard Brennan, Superintendent of Police; and Suffolk County Police Sgt. Bruce Payton. Said Payton, who assisted in the training, "These five are exceptional. I congratulate them on a good job well done."

As a result of their three-month training program, which included methods in tactics, patrol functions, firearms, arrest authority, CPR, first aid, radiation training, and site familiarization, Cahill thinks this company will play an important part in the positive changes taking place in the Lab's police protection. "The police group is changing in the direction of more security," she said.

Brennan commended Cahill's work with the trainees. "She's done one hell of a job," he told the audience, who gave her a warm round of applause. Cahill pinned the excellent police duty awards on the graduates' uniforms. They fell into line as trainees for the last time, took a step backward, and were dismissed. Joyously, they flung their hats in the air.

—Maurice DuBois

Mort Rosen

**Jack Barry of Plant Engineering playing the bagpipes at the ceremony. Originally a base drummer with the Suffolk Police Emerald Society, he learned to play the reed instrument in 1970, and purchased his own "pipes" last year.**

Mort Rosen

**Captain Pat Cahill addressing BNL's five newest patrol officers during a ceremony held last Tuesday on the softball field. She is flanked by Len Emma, Manager of the Safeguards & Emergency Services Division on the left, and Bernard Brennan, Superintendent of Police. The officers, in uniform, are: (from left) Barry Cunningham, Doreen Spires, Michael Huskey, Robert Schmidt and Michael Mallon.**

## Speakers Bureau

### May - June

**Robert Glasmann** (Accel.), Long Island Science Congress, Judge, May 1.
**Susan Eng; Sharon Spark** (AM), Ward Melville High School Careeer Day, Careers in Computers, May 3.
**Glenn Price** (DO), Patchogue Medford High School, High Technology and Education, May 3.
**Angela Boccio** (Med.), South Country Middle School Career Day, Careers for Women in Science, May 4.
**John Denes** (AM); **William Sells** (SES), Bellport Middle School Career Day, Careers in Computers and Hazardous Waste Management, May 4.
**Ellen Gannon** (DNE), Academy of St. Joseph High School Career Day, Careers for Women in Chemistry, May 9.
**Susan Foster** (Pers.), William Floyd High School Career Day, Careers at BNL, May 10.
**Martin Plotkin** (Accel.), Central Islip High School Career Day, Careers in Science & Engineering, May 15.
**Michael Creutz** (Phys.), Nassau County Science Explorations, Elementary Particles, May 22.
**Irvin Meyer** (Chem.), Suffolk County Science Explorations, Glassblowing Demonstration, May 24.
**Angela Boccio** (Med.); **Eena-Mai Franz** (DNE); **Vicky McLane** (DNE), Shoreham-Wading River Middle School Career Day, Science Panel Discussion, June 1.
**Kurt Fuchel** (AM), St. Mark's Singles Club, Trends in Computing — Large and Small, June 8.

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## Safety Shoes

The on-site safety shoe attendant will be on vacation the week of July 23. No safety shoes will be issued during this period. Normal operations will resume on Monday, July 30 at 1 p.m.

## NYC Train Trips

Listed below is a revised schedule of train trips. Wednesday trips depart the Patchogue railroad station at 7:55 a.m. and cost $5 for a round-trip ticket. Departure time on Saturday is 8:31 a.m. and the cost $6.50. Return can be made on any train the same day.

| Wednesdays | Saturdays |
|---|---|
| July 18 | |
| Aug. 1, 15, 29 | Aug. 25 |
| Sept. 5, 19 | Sept. 15, 29 |
| Oct. 3, 17, 31 | Oct. 13, 27 |
| Nov. 7, 21 | Nov. 17, 24 |
| Dec. 5, 19 | Dec. 8, 15 |

Reservations may be made by sending a check payable to BNL to Box 322, Upton, N. Y. 11973. Checks must be received 48 hours prior to a trip. Include your phone number, address and date of the trip you want, on your check. Write separate checks for separate dates. Tickets will be given to you on the train.

## Shopping Bus

For the convenience of on-site residents, a shuttle bus to the Shirley Pathmark shopping center leaves Fleming House parking lot every Saturday at 9 a.m. and returns by 1 p.m. If, for some reason, it is necessary for some passengers to leave or return at other times, see the driver at 9 a.m. about an intermediate run.

## WIS Party

Come and meet Brookhaven Women in Science at their Fifth Annual Cocktail Party on the patio of the Brookhaven Center on Wednesday, July 18 from 5 to 8 p.m. Hot and cold hors d'oeuvres will be served and a cash bar will be available. The cost is $4.25 per person. Make a reservation by sending a check, payable to BNL-WIS, to Caroline Kramer, Bldg. 475, or call her at Ext. 2673.

## Arrivals & Departures

**Arrivals**

**Burton Z. Chertok** ..... Physics
**Jeffrey A. Coderre** ..... Medical
**Roy D. Gregor** ..... Reactor
**Robert W. Hackenburg** ..... Physics
**Wayne A. Jalenak** ..... Chemistry
**Frank Pomaro** ..... Plant Eng.
**Richard W. Rothe** ..... NSLS
**Manfred Stamm** ..... Biology

**Departures**

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

**Gnanalingam Anandalingam** ... DAS
**John Boruch** ..... Accelerator
**Vernon J. Buchanan** ..... Accelerator
**Robert A. Dryden** ..... Accelerator
**Laurance D. Eisenhart** ..... DNE
**Henry T. Farrell** ..... Accelerator
**Roman A. Hawrylak** ..... NSLS
**Frances R. Hydoski** ..... Fiscal
**Alfred W. Maschke** ..... Accelerator
**Robert J. Piterniak** ..... Accelerator
**Frank J. Rizzo** ..... Instrumentation
**John R. Savoy** ..... Reactor
**Thomas B. Scheuerer** ..... Accelerator
**Frederick A. Schneider** ... Accelerator
**George E. Schwender** ..... NSLS
**Grace G. Shiue** ..... Medical
**Irene G. Steele** ..... Biology

## Health Seminar

The next employee wellness seminar, "Physical Fitness: Evaluating Different Exercise Programs," will be held at noon on Thursday, July 19 in Berkner Hall. Ken Cody, exercise physiologist at North Shore Rehabilitation and Sports Medicine Center, will be the speaker.

## Cafeteria Menu

### Week Ending July 20

**Monday, July 16**

| | | |
|---|---|---|
| Chicken rice soup | (cup) | .65 |
| | (bowl) | .85 |
| Beef teriyaki & rice pilaf | | 2.20 |
| Quiche Lorraine & 1 veg. | | 1.90 |
| Hot Deli: Turkey breast | (bread) | 1.95 |
| | (roll) | 2.10 |

**Tuesday, July 17**

| | | |
|---|---|---|
| Lentil soup | (cup) | .65 |
| | (bowl) | .85 |
| Pot roast of beef & 1 veg. | | 2.05 |
| Broiled fish fillet & broccoli spears | | 1.85 |
| Hot Deli: Sloppy Joe's | | 2.00 |

**Wednesday, July 18**

| | | |
|---|---|---|
| Beef noodle soup | (cup) | .65 |
| | (bowl) | .85 |
| Fresh ham w/sweet potato & applesauce | | 2.00 |
| Spaghetti and sausage | | 2.10 |
| Hot Deli: Pastrami | (bread) | 1.95 |
| | (roll) | 2.10 |

**Thursday, July 19**

| | | |
|---|---|---|
| Split pea soup | (cup) | .65 |
| | (bowl) | .85 |
| Sweet 'n sour pork on rice | | 1.95 |
| Veal patty scallopine & 1 veg. | | 1.95 |
| Hot Deli: Top round of beef | (bread) | 1.95 |
| | (roll) | 2.10 |
| **Special:** Top your own cheese cake | | .95 |

**Friday, July 20**

| | | |
|---|---|---|
| New England clam chowder | (cup) | .65 |
| | (bowl) | .85 |
| Seafood platter | | 2.15 |
| Salisbury steak & 1 veg. | | 1.90 |
| Hot Deli: Knockwurst & sauerkraut | (bread) | 1.85 |
| | (roll) | 2.00 |

**The Brookhaven Highlights from January 1982 to March 1983 (BNL 51700) is now available from the Library. Call Ext. 5068.**

## Classified Advertisements

### Autos & Auto Supplies

74 MUSTANG - 4 spd., 6 cyl., $900. 744-6668 after 6 p.m.

TOW BAR - frame mount, 5,000 lb., cap, cost $210, new, never used, $150. 289-0413.

76 FORD LTD - new paint, many new parts, good cond., $1,300. Bill, Ext. 4068 or 473-3171.

69 BUICK LA SABRE - 350 V8, good cond., needs some work, runs, $250. John, Ext. 3292 or 286-1348.

80 FIAT SUPER BRAVA - clean, excel. cond.; 1978 Honda 750, excel. cond., best offer. 363-7032.

81 HONDA CM400E - low mi., excel. cond., garaged, $850. 924-8634.

72 BUICK SKYLARK - p/s, p/b, good cond., $500. 744-5122 after 7 p.m.

73 BUICK CENTURY - good running cond., $500. 928-8631 eves & weekends.

76 MAZDA - 4 cyl., 4 spd., excel. mech., $800. Rich, Ext. 4482 or 277-1129 eves.

77 DODGE COLT - wagon, rebuilt eng., very good cond., good gas mi., $1,400. 878-0945.

78 HONDA CIVIC - H/B, 4 spd., excel. cond., no rust, asking $2,450. 286-2265 after 7 p.m.

72 MERCURY MARQUIS - 2 dr. hardtop, V8, full power, a/c, stereo, good cond., $850. 654-9028.

81 HONDA - 400 CMT, 2,500 mi., Comstar wheels, disc brakes, eng. guard, excel. cond., $1,025. 289-0413.

50 STUDEBAKER - Champion, 2 dr. sedan, 6 cyl., orig. mi., excel. cond., reasonably priced. 399-6025 eves.

72 OLDS 98 - a/c, p/s, high mi., runs excel., 4 new tires, many new parts, rusted, must see, asking $600. Marian, Ext. 3999 or 282-3175 eves.

72 MAVERICK - running cond., new battery, $250 or best offer. 661-6078 eves.

71 VW - Super Beetle, rebuilt eng., am/fm, excel. running cond., some body work, $1,000. 589-3540.

78 MONTE CARLO - full power, a/c, V6, bucket seats, stereo, $2,800. Roy, Ext. 5326 or 878-0074.

78 FORD FAIRMONT - 6 cyl., a/c, am/fm, a/t, mint. Ext. 4139 or 467-2422.

74 CHEVY IMPALA WAGON - 4 dr., excel. cond., 98K mi., $1,200. Ext. 4695.

80 SUZUKI - 1000 cc, full dress, excel. cond., extras, asking $2,300 neg. 277-1284.

81 HARLEY DAVIDSON - 1000 cc, Sportster, very low mi., like new. 929-3455.

BUMPERS - chrome, front & rear for 1980 and later Dodge or Plymouth van, $100. 924-8224.

HELMET - Bell Star Snell 80, two shields, like new, $90. Dave, Ext. 5575.

75 HONDA MOTORCYCLE - CB200T, excel. cond., hardly used, great gas, $400. Ext. 2705 or 286-2964 eves.

78 HONDA CIVIC - H/B, 4 spd., no rust, excel. cond., asking, $2,450. 286-2265 after 7 p.m.

66 AUSTIN HEALEY - good cond., collect. item, classic, must sell, $5,000. 868-1996 or Ext. 3147.

76 HONDA - CB200T, good cond. Marj, Ext. 3396.

76 OLDS - 4 dr., a/c, low mi., asking $2,550. Kevin, 567-6651.

69 FORD FAIRLANE - station wagon, good transp., $325. Ken, 281-5565 after 5 p.m.

73 CADDY - 2 dr., am/fm, a/c, 8 cyl., good cond., extras, $850. Walter, Ext. 4039 8:30 a.m. thru 3:30 p.m. or 727-0560 after 5 p.m.

80 KAWASAKI MOTORCYLE - 650 LTD, red, crash bars, excel. cond., must sell, $1,200. Bob Johnson, 475-2305 or 283-4741.

CHEVY C-10 PICK UP PARTS - crossbed, tool box, front & rear bumpers. Jim, Ext. 4040 or 289-0876.

74 CHEVY NOVA - runs well, needs body work. 878-9118 after 6 p.m.

71 PLYMOUTH DUSTER - 2 dr., 6 cyl., auto., good running, $250. Ext. 2476 or 751-2149 eves.

67 COUGAR - 289 V-8, hit in rear, parts car. Larry, 751-2149 after 6 p.m.

68 BUICK LeSABRE - hdtp. conv., p/s, p/b, 71K mi., very good cond., $650. 363-6786.

80 KAWASAKI KX80 - (2), 1 mint cond., $475; other for parts, $100. 928-2244 after 12 noon.

UTILITY TRAILER - 1 ton, good tires, $125. Tom, Ext. 3128 or 928-7344 eves.

77 MERCURY MARQUIS BROUGHAM - all power, a/c, cruise control, am/fm, c.b. radio, $2,000. Lorraine, 548-3885.

82 CHEVY CHEVETTE - 2 dr., hatchback coupe, low mi., excel. cond., $3,595. Ext. 5271 or 286-9725 after 6 p.m.

73 PINTO - rebuit trans., eng., good for parts only, $100. J. Medina, Ext. 7636 or 924-6971.

SNOW TIRES - (2) w/rims, LR78-15 WW, good cond., $50. Tony, Ext. 2462 or 269-9510 after 7 p.m.

69 MOTO GUZZI AMBASSADOR - 30,000 mi., runs well, extra bike for parts, $800. Ext. 5504 or 281-0943.

76 FORD GRANADA - auto., 6 cyl., no rust, excel. cond., $1,600. Shiao, Ext. 4996.

PICK-UP CAMPER - 11 ft., slide-in, self contained, sleeping for six, alum., step bumper, excel. cond., $2,395. 821-1081.

74 DATSUN 260Z - new engine, radiator, tires, brakes, clutch, paint, must sell, $2,500. Leave message, 744-3968.

74 PONTIAC LEMANS GT - Sports Coupe, Hurst 4 spd., rebuilt 350, 18,000 mi., Keystone Classic rims, p/s, p/b, excel. cond., $1,875. 473-3084.

(Continued on page 4)

# BERA News

## Hispanic-American Society

The Hispanic-American Society is sponsoring a picnic at the BERA Recreation Park on Saturday, July 21 (rain date, July 22). Frankfurters, hamburgers and soft drinks, along with dancing, music and games, are included in the admission price of $3 per person. The Laboratory pool will be available for use between 1 and 6 p.m. at regular admission prices.

For information and tickets, contact Juan Alvarez, Bldg. 326, Ext. 3084; Victor Gonzalez, Bldg. 479, Ext. 3357; Jose Medina, Bldg. 134, Ext. 7636; Irma Montanez, Bldg. 460, Ext. 3325; Irving Montanez, Bldg. 911A, Ext. 2540; Jose Sanchez, Bldg. 452, Ext. 3296.

## Cricket

In the first match of the season played on June 16, the Brookhaven International Cricket Club lost to Staten Island by 84 runs. Batting first, the visitors scored 188. This proved to be beyond the reach of the Lab team, which replied with a score of 104. John Millener took top honors with 36, Raj Chaudhuri and Dave Cox each scored 21.

The second of this season's games will take place away, against Oyster Bay on Sunday, July 15. For further information, call John Millener, Ext. 3853, or Dave Cox Ext. 3818.

## Bowling

Priority applications for bowling next season have been submitted to last year's team captains. They must be returned by July 31. Questions can be directed to Richard Scheidet, Ext. 5284, or Charles Bohnenblusch, Ext. 4758.

## Softball

### Games for week of June 25

**League I**
Big Sticks 10 - Six Pax 7
Blue Jays 10 - Phoubars 5
Ravens vs. Ice Pops
No score reported.
Moles vs. Renames
No score reported.

**League II**
Scram 12 - Faze II 9
Dirty Sox 13 - Magnuts 7
Medical 14 - Random Errors 0
Lights Out vs. Titans
No score reported

**League III**
No Names 3 - Farm Team 1
Nads 13 - Source 6
Survivors vs. E-Z Riders
No score reported

**League IV**
Septembers 19 - Underalls 5
TNT 14 - Kidz-R-Us 9
Mole-Esters vs. Turkeys
No score reported
Makeup game:
TNT 12 - Septembers 9

**League V**
Who Cares 18 - Space Kadets 4
No Feedback 15 - Erasers 5
Mudville Sluggers 8 - Foul-Ups 5
Makeup game:
No Feedback 13 - Mudville Sluggers 8

## Vaudeville Auditions

BNL employees, their families and friends are invited to showcase their talents in the 7th annual BERA Vaudeville Show, to be held August 24 and 25 at the Brookhaven Center. Auditions will be held in the North Room of the Center at 7:30 p.m. on Monday, August 13 and Wednesday, August 15. A professional piano accompanist will be at the August 15 audition only.

Whatever your specialty — comedy, magic, juggling, singing, dancing — you'll find an appreciative audience at this summer entertainment event. If you have questions, call the director Jane Love (286-1136), or Penny Baggett (Ext. 5154).

## Runners' Corner

With a heavy heart we announce the death of Edward F. (Ted) Landry. On Sunday, July 1, he was hit by a car and killed while bicycling near his home. Ted was president of Brookhaven Lab Roadrunners until he left BNL two years ago. His friendship will be missed by all that knew him. Contributions to the Edward Landry Trust Fund can be sent to First City Bank, P.O. Box 974, Addison, Texas 75001, or to Elaine Landry, 18 Epsom Course, Brookhaven, N. Y. 11719. For further information, call Jeanne Penoyar, Ext. 2614, or Gus Prince, Ext. 5079.

## Autos & Auto Supplies (Cont'd)

67 CADDY - 100K mi., mech. good, body fair, needs muffler, $200. Ext. 3828 or 751-7250.

78 MOTORCYCLE - KZ400, 14K, roll bars, rack, recent sprockets, chain, tires & battery, just tuned & serviced by dealer, $900. 281-0360.

77 MG MIDGET - engine runs good, great for parts. $1,200. Bill, 924-0121 after 4 p.m.

77 OSSA MOUNTAINER - 350 cc, good cond., white, $750. Tony, Ext. 4605.

79 YAMAHA 400 - black, 5,000 mi., windshield, rack, engine guards, excel. cond., (2) Aries helmets, $800. John, 929-8204.

75 TOYOTA COROLLA - 85,000 mi., runs well, best offer. Ext. 7977.

73 VEGA - 2 dr. hatchback, 3 spd., rebuilt engine, for parts or repair, $200 or top offer. 929-3248 after 5:30 p.m.

80 YAMAHA MAXIM 650 - black, 4,200 mi., garaged, includes 2 helmets & many extras, must sell, $1,600 or best offer. Mark, Ext. 5353 or 727-1429.

79 FIAT 124 - Spyder 2000, conv., 5 spd., am/fm stereo, asking $3,850. Ext. 5182 or 924-5513.

80 KAWASAKI 440 LTD - runs good, rooster, fairing, stereo, new tire, sprockets, chain, $700. 399-0168.

81 KAWASAKI 440 LTD - black, low mi., must sell, $1,100. Greg, 289-6519.

73 LeSABRE - high mi., well maintained, dependable, $600. 585-7780 after 5:30 p.m.

78 MUSTANG - 4 spd., 65K mi., very good cond., $2,700 or best ofer. Jim, Ext. 3761.

70 FORD MAVERICK - rusted, 6 cyl., running cond., new battery, $150. 661-6687 after 6 p.m.

74 FORD PINTO WAGON - 46K mi., clean, $725. John, Ext. 4153.

74 FORD TORINO WAGON - a/c, p/s, p/b, low orig. mi., very good cond., $1,500. 744-4611 after 6 p.m.

81 PONTIAC FIREBIRD - auto., a/c, p/s, p/b, am/fm stereo, 39,000 mi., excel. cond., $5,700 or best offer. 691-0493.

70 VW BEETLE - very good running cond., many new parts, rebuilt engine, extras. Suresh, Ext. 4459 or 751-2095.

70 VW KARMAN GHIA - rebuilt engine, $775 or best off. Ed, Ext. 7943 or 589-3992.

63 CHEVY BEL AIR - 2 dr., good cond., lots of new parts, 90,000 orig. mi., 6 cyl. Mark, 286-4150.

69 BUICK LeSABRE - V8, 4 dr., 116K, runs good, $250. Ext. 3292.

78 CORVETTE - black, p/s, p/b, p/w, T-tops, $10,500. 757-1380.

80 CHEVY MONZA - p/s, am/fm cassette, low mi., like new, $4,200. Danny, 473-6046.

79 HONDA - CX500, custom, water cooled, shaft drive, $900 firm. Chris, 929-6543 after 6 p.m.

72 FORD PICKUP - 3/4 ton, 4x4, w/1971 Franklin 11' camper. 924-4058.

71 PONTIAC GRANDVILLE VS - a/t, p/s, p/b, good running cond., must sell, $450 or best offer. 282-3855.

77 PONTIAC TRANS AM - orig. owner, 44,000 mi., brown splash saddle, T-top, excel. cond, $4,650. 924-7677.

## Boats & Marine Supplies

13' DAYSAILER - main, jib, spinnaker, hiking straps, $900. Joe, Ext. 7961 or 369-0432 eves.

ENGINE - 6 HP Evinrude outboard, old, good running cond., $90. McKeown, 286-1169.

16' SLOOP - flying junior fiberglass, good cond., make offer. 878-1124.

20' COBIA - 85 HP Johnson and trailer, many extras, $3,900. 744-5855 after 6 p.m.

12' DURANAUTIC - aluminum boat w/galvanized, Holsclaw trailer and 1981 7-1/2 HP Evinrude motor, like new, $950. 744-9832.

15' FIBERGLASS BOAT - w/25 HP Johnson, very good cond., $1,000. Ext. 3604 or 878-0516 after 5:30 p.m.

40 HP EVINRUDE - runs well, $375; also 16' glass boat, $50. Ext. 4188 or 363-5170.

21' INTERNATIONAL - 1971, glass I/O, trailer, extras, $3,800. Ext. 4188 or 472-2750/363-5170.

ROWBOAT - needs repair, best offer. Ext. 4390 or 286-8849 after 7 p.m.

16' STARCRAFT - w/25 HP Merc., Highlander trailer, many extras, $2,100. 821-0080.

8' DINGHY - reasonable. Bill, Ext. 2050 or 281-0557.

28' OWENS - very good cond., new canvas & hard top, sink, ice box, stand-up head, 327 C.I., asking $3,000. 281-0360.

CONTROL BOX - & cables for Mercury outboard, $25. Tony, Ext. 4605.

17' ALUMINUM CANOE - (2) paddles, (2) lifejackets & 12 lb. trust electric motor, $350. Jim, Ext. 3631.

FISHING CHAIR - white, pedestal mount, like new, $75 firm. Lou, Ext. 4687.

14' STARCRAFT - aluminum, 35 HP Chrysler, electric start, asking $400. Jeff, 286-0353.

## Miscellaneous

WATER SOFTENER - Kenmore, 3 yrs., $100; Mark 10 glass lined tank, $25; Sears pump, $25. Anna, 281-4202.

BICYCLE - ladies 10 spd., Vista, 21", good cond., make offer; telescope, Tasco Model 19T, 320 power, 60 mm objective lens, hardly used, $80; electric guitar amplifier, Guild Model Two, hardly used, make offer. Ext. 7112 or 472-1922.

GALLON WINE JUGS - (100), 25¢ ea.; chest of drawers (painted), $20; 9 golf clubs & bag, $12. 878-6637.

SANDER BELT - Black & Decker, 3" wide, w/belts & dust bag, $30. Joe, Ext. 4439.

ATARI GAME CARTRIDGES - for 2600; some new releases, $5 to $15. Richie, Ext. 2175 or 734-7342.

MAPLE ARM LOVESEATS - (2), good quality, excel. cushions; maple bookcase; child's mirrored dresser; formica corner table w/lamp; china; upright Westinghouse small freezer, 2 good bicycles, misc. 584-6729.

WHEELCHAIR - excel. cond.; walker, 4-prong cane, make offer. 744-8659.

BIKE - 10 spd., needs work, best offer; bamboo stakes, cut your own. 363-7032.

PORTABLE AM/FM RADIO - G.E., $7; Magnavox stereo cassette player, $10; fifth burner, $10, items new. Ext. 3580 or 3639.

POWER POST HOLE DIGGER - Sears, 3.5 HP, 2 cycle, 6"x36" auger, used 3 times, excel. cond., $310. Ext. 3532.

LADIES GOLF CLUBS - Spaulding, w/new bag, 2 woods, 5 irons, $60. Bob, Ext. 4201.

SEARS VACUUM - home & shop, good cond., $10. M. Tesla, Ext. 2705.

WATER PURIFIER SYSTEM - Mark 50, Sears, glasslined water tank, 42 gals., & Sears shallow pump, $100 for all. Katherine, 281-8021.

COLONIAL RUGS - 5 ft., oval, earthtone, $20; small foyer rug, $5; colonial accent pieces, very reasonable. Jody, Ext. 2907 or 654-9094 after 6 p.m.

COLONIAL KITCHEN TABLE - sofa, many items. 325-9580 after 6 p.m.

CONTENTS OF HOME - modern lamps, pictures, rugs, and antique stained glass chandelier. 325-9580 after 6 p.m.

UTILITY TRAILER - $200; (2) lawnmowers, $50 ea. Joe, 475-8440 after 5 p.m.

TURNTABLE - JVC belt drive, w/cartridge, $50; (2) Phillips two-way speakers, $100. 286-0745 eves.

HP41CV CARD READER - like new, only $145. Ext. 4872 leave message or Philip, Ext. 2516 eves.

GE DRYER - elect., excel. cond., must sell, moving, $150. Tom, Ext. 3128 or 928-7344 eves.

CABBAGE PATCH BOY - dated 1984, brown hair & eyes, red cap, jeans, $50. Liz, 757-5478 after 6 p.m.

POT BELLY STOVE - antique, cast iron, burns coal or wood, $100. 924-8224.

ELEC. CHAR BROILER - Maverick, brand new, $40. Webster, Ext. 2525.

BEDROOM DRESSERS - (2), good cond., $50/pr. 924-8224.

COFFEE TABLE - lg., square, redwood base, light in dome, smoked glass top, $50. 929-8330.

"HIDE-A-BED" SOFA - Simmons, w/beauty rest mattress, plaid weave, good cond., $180. 924-0848.

RUG - 9x12, $25, collards greens plants, 50¢/dozen. Izzy, Ext. 5148.

GREENHOUSE - poly type, 22x100', boiler, air cir. fan. sys., sprinkler & watering sys., needs plastic cover. Jim, Ext. 4040 or 289-0876.

WOOD BURNING STOVE - airtight, w/air collection tubes, $50. Pat, Ext. 5399 or 289-6073.

REFRIGERATOR - 10 cu. ft., white, excel. cond., $140. 924-0813.

CONN THEATRE ORGAN - two 44 note manuals, 47 tabs spk., main & Leslie-Rhythm selections, $1,200. 744-5855 after 6 p.m.

LAWN MOWER - 22 inch, 1 yr. old; umbrella type clothes line; adult crutches; 5x7 green rag rug. Ext. 7509 or 821-1854.

BURGESS PAINT SPRAYER - model 880, used once, $25. 286-3301.

TRUMPET & CASE - good for beginner, good cond., $80. Ken, 281-5565 after 5 p.m.

HIKING BOOTS - women's size 7-1/2, vibram sole, leather upper, cost $70, now $20; Pappagallo shoes, 2-1/2" heel, size 7, never worn, orig. $60, now $25. Ext. 7196 or 286-2505.

TRASH CAN - 20 gal., $5; Scarlett's membership card. Ext. 2733.

MARATHON POOL - 18x48', w/filter, motor, ladder, vacuum, leaf bagger, etc., $500. 878-0516.

POOL FILTER - 6 function, w/1 HP motor, excel. cond. 475-6938.

BABY CARRIAGE - $40; TV table, $20; dishes, $5; lamps, $5/ea. Ext. 3108 or 2341.

DINING ROOM - American Chippendale, circa 1920, six chairs, table, buffet china closet. 751-2149.

HAND TRUCK - w/hydr. lift, $85; wood extension ladder, 22 ft., $35. 261-7825.

MOVING SALE - contents of home, everything must go, 29 Royal Way, Shoreham. 821-0080.

DRILL MOTOR - 1/2" Black & Decker, 375 rpm, with 1/16"-1/2" drills and index, $50. Katherine, 281-8021.

CORD WOOD - two foot rounds, $110/cord. Tom, Ext. 3128 or 928-7344 eves.

TENT - 9'x9' umbrella, Morsans best, Duocom, $100 firm. Sheldon, Ext. 4986.

KOEHLER SOFA - 4 seat floral pattern, soil resistant, excel. condition, $150. 363-2070 eves.

DOOR LOCK - double cylinder, jimmy proof, complete hardware, instructions, like new, $15. Jag, Ext. 5080 or 751-1884.

PVC DARKROOM SINK - 72" x 27", splash board, print drying racks, cabinet underneath, excel. cond., $250. 732-6822.

DEHUMIDIFIER - Westinghouse, used one season, $100. Ext. 5504 or 281-0943.

HIBACHI - 10 x 16-1/2, adjustable draft, $6; (3) spinning rods, glass, 6-1/2 ft., new, w/reel matched case, $15-$35. 654-3781.

COLONIAL DESK/CHAIR - solid pine, w/built-in book shelves, $50. Don, Ext. 2705.

COLONIAL STYLE SOFA - 7 ft., recently reupholstered, like new. Dave, Ext. 4254.

MICROWAVE OVEN - Kenmore w/probe, good cond., $200; Nordicware micro carousel, $25. 929-8443.

TAPE RECORDER - Tandberg, Model 64, open reel deck, $200. Ext. 3828 or 751-7250.

PRESSURE COOKER - 16 qt., canning pot, $25; 10 pks. jar rubbers, 5/pk.; qt. jars, $3/doz.; hand push lawnmower, $10. 878-6637.

ELECTRIC PIANO - Fender Rhodes, stage 78, excel. cond., $550. Bob, Ext. 4758.

RANGE - counter-top, 41" s/s, w/center griddle; 42" hood & fan, coppertone, 23 yrs. old, $15 ea. 286-0958.

19" COLOR TV - Sears w/external converter & more, asking $300. Lou, 698-6585 after 5 p.m.

GUITAR AMP - Univox, 100 watt, tube, with bottom spkrs., very good cond., $100. Bill, Ext. 3848 or 281-6498.

OFFICE DESK - antique, oak, 32"w x 50"l, 7 drawers, refinished, $500. Ext. 2452.

ARC WELDER - Sears, excel. cond., $250; Steam Jenny, works great, rebuilt, $250. Tony, Ext. 4605.

CHAIR - swivel, red upholstery, $35; dining table, walnut leaves & pads, $100; lobster pots, standard, 6/$65; Bontempi electric organ, single keyboard, bench & music, $125; antique dresser, vanity & night table, 3 pcs. for $160. 286-8517.

STEREO AMP - 100 plus watts per channel. George Hrabak, 589-0819.

WING CHAIR- brown & yellow flowered print, $100. Louisa, Ext. 4207 or 286-0466.

KITCHEN SET - 5 pieces, $125; living room, 6 pieces, $500; bedroom set, 7 pieces, $375; Wurlitzer organ, $475. 821-0080.

PORT-A-CRIB - playpen; baby carriage/stroller, $15 ea. Ext. 7225.

POP-UP TRAILER - sleeps 6, sink, stove, heater, $650. Jack, 757-1380.

BABY BASSINET - complete, used 2 mos., new $80, asking $40; wood stove, Timberline, heat entire home, $200. 929-4840.

DOUBLE CASSETTE STEREO - tape recorder, Sharp, GF-500, almost new, $149. Ext. 4202.

## Free

DOG - 8 mo. old, black & cream color, Shetland mix, female, good disposition. 281-2471.

CAT - 9 mo. old, white w/brown, female, good disposition, healthy, very affectionate. Mike, 751-2149.

## Yard Sale

BELLPORT - 9 Academy lane, Sat. July 14, 10 a.m. - 4 p.m. Ed. Ext. 2362.

BELLPORT - 51 Brown's Lane, U-U Fellowship of Bellport, Sat. July 14 & Sun. July 15, 10 a.m. - 4 p.m.

## 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

SHOREHAM - waterfront in woodsy garden setting, 5 room house, big porch overlooking the sound. 744-9749 or Box 609, Shoreham.

BROOKHAVEN HAMLET - large cape, formal d/r & l/r w/fireplace, beamed ceiling, country kitchen, 4 bdrms., 2 baths, screened brick patio, garage, landscaped, extras, mint cond., principals, $118,000. 286-1082.

SOUTH SETAUKET - 5 bdrm. colonial, 3-1/2 baths, l/r, d/r, large den, new kitchen, 2-zone heating (gas), twin patio w/awning, 2-car garage, Three Village Schools, asking $135,000, owner. 698-6437.

MEDFORD - partially wooded prof. landscaped 2/3 acre lot on cul-de-sac, 4 yr. old ranch, 3 bdrms., family room, large country kitchen & more, mint cond., asking $74,000, assum. $37,500 13% FHA mort. Ext. 5508 or 475-0137.

STONY BROOK - 3 bdrm. ranch, 2 baths, Three Village Schools, cathedral ceiling, central air, underground sprinkler, new w/w carpet, immed. occupancy, $139,000, owner, no sales person please. 584-5039 or 751-1020 eves.

WADING RIVER - ranch, l/r, kitchen, large family room, 3 bdrms., finished attic. 475-2492 or (212) 468-9449.

NORTHPORT/FT. SALONGA - 4 bdrms., acre and wooded, in-ground swimming pool, porch & family room w/fireplace, $190,000. 261-7825.

CORAM - Birchwood at Bretton Woods, condo, Dalton, 3 bdrms., den, formal d/r, 1-1/2 baths, patio, 1/2 block to clubhouse, gas heat, central air, many extras. 732-6822.

NORTHEAST CONNECTICUT - lake side cottage, 2 bdrm., $24,000, will hold mortgage. 757-1380.

CALVERTON - duplex townhouse, 6 rms., 1-1/2 baths, f/p, 2 sundecks, 5 appliances, beamed ceilings, $55,000. 575-9731 or 751-8588.

## For Rent

NORTH SHOREHAM - 4 bdrm. colonial, washer/dryer, family room, fireplace, 2-1/2 baths, carpeting, garage, 1/2 acre, avail. immed., $1,250 includes all. 744-8659.

MIDDLE ISLAND - Artist Lake, 2 bdrm. apt., immed. occup., central air, washer/dryer, dishwasher, swim pool, tennis courts, $625/mo. incl. heat & gas stove. 654-2303 or 286-2339 after 5 p.m.

CORAM - Bretton Woods, condo, all appliances, 2 bdrms., golf, tennis, pool, etc., $725. 736-4822.

PORT JEFF. VILLAGE - 5 bdrm., 1-1/2 baths, fireplace, charming, spacious, 3/4 acre yard, garage, walk to shops, train, ferry, all appliances, lease at $1,100/month. Ext. 3128 or 928-7344.

MIDDLE ISLAND - comfortable residence on secluded 4 acres w/private pond, 3 bdrm., 1-1/2 baths, w/d, dishwasher, f/p, partially furnished, 5 min. from Lab, $800/mo. 924-7480 after 6 p.m.

VERMONT HOUSE - reasonable vacation, 3 bdrm., 2 baths, f/p, fully equipped, woodland trails, alpine slide, golf, summer theatre, boating, fishing, etc., family oriented, avail. weekly. 732-6499 after 6 p.m.

BERKSHIRES CHALET - 3 hrs. from NYC, 3 bdrm., 2 baths, fully equipped kitchen, electric heat, deck w/spectacular view, near lake, hiking trails, avail. weekends and weekly. 929-6946 after 6 p.m.

APARTMENT - 1 bdrm., walk to beach, single working person, $450/mo., includes all utilities. 929-6543 after 6 p.m.

RIDGE - 2 bdrm. townhouse, 1-1/2 baths, washer/dryer, dishwasher, no pets, preferably no children, avail. Aug., $550/mo. plus utilities. Betsy, Ext. 5182 or 924-5513.

MASTIC BEACH - furnished studio apt., private entrance, $300/mo., 1 mo. security. 281-7460.

RIDGE - bike to Lab, 2 bdrm., l/r, eik, den, garage, basement, beautiful yard, $475/mo. plus utilities. 929-3248.

MILLER PLACE - furnished room, private entrance, kitchen privileges. 928-0777 after 5 p.m.

ADIRONDACK LAKEFRONT - on Rt. 8 (from Thruway 87), 4-5 hrs. from Nassau, fishing, boating, swimming, l/r w/wood burning stove, d/r, eik, 5 bdrm., 2 baths, electric heat, $375/week (Sat.-Sat.) from June 15 to Oct. 15. 689-9409 eves.

## Car Pools

BABYLON/W. ISLIP - driver needed for on-time car pool, 8:30-5:00. M. Tesla, Ext. 2705.

PECONIC - North Road, driver wanted to start car pool, 8-4:30. Jack, Ext. 4274.

## Wanted

SLIDING GLASS DOOR UNITS - used, Joe, Ext. 7961 or 369-0432 eves.

BICYCLE - built for 2. John, Ext. 7671.

TENNIS INSTRUCTOR - Alethea, Ext. 3316.

HOUSE - Strathmore Ridge, 2-3 bdrms., from owner, buy or trade Albany area, 2 family. Ext. 3312.

RECORDS - 50's and some 60's, rock and roll 45's and lp's. Frank, Ext. 3120.

INTERMEDIATE/ADVANCED TENNIS PLAYER - for 9 am games. Rich, Ext. 2973 before 8 am.

PARTY CANOPY - to buy, 20 x 20 or larger. April, Ext. 2903.

BIKE - ladies, foldable, good cond. Heather, Ext. 7793 days or Ext. 3001 (RM19) nights.

GOOD HOME - for happy, beautiful kittens, healthy, and litter trained. Lois, Ext. 2959 or 751-0023.

TRAINS - Lionel, American Flyer, accessories, any cond. brings good price. Carole, Ext. 3362 or 924-4097 eves.

REFRIGERATOR - dorm size. Cindy, 924-3243 eves.

HOUSE TO RENT - or sit, month of August or any part thereof. Tom, Ext. 4664.

PIANO - upright or grand, good cond., bench w/adjustable height. Ext. 3828 or 751-7250.

STEREO SPEAKERS - Mike in 2N7, 282-2515 after 7 p.m.

HOUSE TO SIT - free, responsible, caring, any period, any duration, July 30 to Nov. 1. J. Allentuck, Ext. 2412.

SPEAKERS - 100 watt min., like EV. George Hrabak, 589-0819.

BROOKHAVEN CABLE TV BOX - good cond. Mark, Ext. 2043 or 698-5748 after 6 p.m.

GO CART - used, for 10 yr. old, will repair if necessary. 929-3455.

RIDING MOWER - 8 HP or larger, elec. start. 757-1380.

SITTER - for house and affectionate dog, July 21-28. Andy, Ext. 4210, 821-1759, eves.

## Found

DOG - in Shirley area, black & creme color, shetland mix, female. 281-2471.

## Services

BABYSITTER - days, nites, wknds., experienced teenager, references, formal training. Mary, Ext. 2926 or 281-0268.

MAGICIAN & CLOWN - balloon sculpture also avail., make your child's party special, reasonable rates. 654-9094 after 6 p.m.

FIRESIDE CHIMNEY SWEEPS - fireplaces, wood, coal and oil flues, relining, caps, screws and parts, Lab discounts. 821-9690.

CALLIGRAPHY - done by experienced calligrapher, no job too small, poems, invitations, certificates. 924-3243 eves.

AUTO BODY REPAIRS - cleaning, complete refinishing, striping, compound, waxing, vinyl tops. Bob, 744-4047 eves.

VIOLIN LESSONS - all ages, also Suzuki method. Ext. 3091.

KAYAK LESSONS - and day trips, beginners thru advanced, eves and weekends. Ernie, Ext. 2957 or 281-7873.

SUPREME CLEAN TEAM - housecleaning service, we'll do your dirty work for you, reasonably priced. Lisa, 924-3281 or 369-1844.

SINGOGRAMS - costumed singers for all occasions. Lisa, 924-3281 or 369-1844.

HOUSE PAINTING - paper hanging, professional, insured, many BNL references. Bob, 289-7657 after 6 p.m.

VIDEO TAPING - weddings, recitals, birthdays, etc., Lab. emply. discount. Mark S., 928-5684 eves.

JEWELRY REPAIR - gold or silver. Dan, Ext. 2319.

INTERIOR DESIGNER - professional, saves you time and money, outstanding results. Rochelle Spergel, 757-5599.

PARTY TENT - for all occasions, contact Fred Kuehl for details. Ext. 7947 or 588-2268 after 6 p.m.

BABYSITTER - exp., my home, two playmates, will give reference if needed. Sue, 473-5776.

HOME IMPROVEMENTS - roofs, windows, extensions, alum. siding, interior and exterior work, free estimates. Mike, 736-6115.

BABYSITTER - responsible, mature 13 yr. old will babysit on-site or Shoreham area, days during the summer. Karen, 744-8632.

WRITING - rewriting and editing, for reports, articles and copy. Jane D'Amico, 473-0961.

SOLAR ADDITIONS - expanding your home, want solar energy for heating? Look into a solar additions, sun space. Tony, Ext. 3198 or 924-5248 after 6 p.m.

BABYSITTERS - experienced, apt. area, apt. 2B, ask for Claire or Judy. Ext. 3126.

ELECTROLYSIS - removal of unwanted hair, physician trained, recommended, free consultation, latest method by appoint. 331-4768.

ART WORK - by capable art student, graphics, calligraphy, invitations. Ext. 3828 or 751-7250.

WATCH/CLOCK REPAIRS - George Hrabak, 589-0819 or 835 Blair St., Bohemia, NY 11716.

CARPET & FLOORING - professionally installed, sales & service, new & old, restretches, shop at home service. 289-8089.

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