

## Ms. Smith Goes To Sea

When Sharon Smith next goes to sea, the winds are expected to be blowing at 40 knots and the waves will be very high indeed. For it will be the monsoon season in the western Indian Ocean. Oceanographer Smith is a member of a U.S. team investigating the Somali Current, part of an extraordinary international effort to examine the conditions existing in the equatorial oceans of the world.

On this trip, the group will embark at Mombasa, Kenya, sometime in June, and 31 days later will disembark at Suez. Because of the weather conditions, they will work in safety harnesses linked to the ship. Although she has not been bothered before, Sharon is laying in an "arsenal" of remedies for seasickness as this ailment could well become a problem, given the high seas.

Back in February of this year, before the monsoon season, Smith traveled this same route, only in reverse. She and technician, Evarina Wold, were aboard the R.V. Columbus Iselin, with 11 scientists from the University of Miami and one from the University of Washington. A crew of 13 manned the ship. The team's research is a segment of what is known as the First Global Garp Experiment (FGGE). FGGE grew out of the Global Atmospheric Research Programme (GARP) which started in the early '70's, and now includes oceanographers, as well as meteorologists.

They left from Suez, crossed the Red Sea and the Gulf of Aden, and in a 30-day period worked their way to Mombasa. The trip was not uneventful. They made an unscheduled stop at Port Sudan to discharge a crewman who had a nervous breakdown, and stops in Djibouti and Obbia to pick up a Somali observer and obtain permission to work in Somali waters.

On more typical days, however, the oceanographers are carrying out their assigned tasks and working around the clock. Ship time is expensive and they are not on board to loll around in deck chairs. Her average working day is from 14-16 hours, Smith said, and on two occasions she did work 24 hours straight.

Generally, the ship stops twice a day at different points in the ocean called stations. At each stop, the scientists work about six hours taking samples, processing the samples and setting up experiments. When the ship is under way between stations, anywhere from two hours to eight hours, they stand watches to examine each ½ hour the plant and animal material from the ocean's surface which is continuously pumped into the laboratory.

The work is designed so that the chem-

ists, biologists and physical oceanographers get as much information as they can that is complementary. For instance, a current profile is taken which gives an instantaneous record of which way the water is moving, and how fast at each depth. This is important to Smith's own research interests, which are the microscopic crustaceans, as she is only interested in sampling the surface current. They do a hydrocast, which brings up water from various depths, down to 1,000 meters, for the chemists to measure the concentration of oxygen and nutrients in the water. A C.T.D. cast gives physicists the density structure of the water column. A cast is done for microscopic plants, as the oceanographers want to assess the biological response of the Somali coastal waters to the southwest monsoon and its associated Somali Current. They need to know how much plant and animal material exists in the water and what the growth rates are.

The team established the pre-monsoon conditions on the first trip in February-March, and this summer will retrace their steps at the height of the monsoon to see what the picture is then.



Sharon Smith  
—photo by Humphrey

On the first trip, out of 14 people on the scientific team, three were women. That is about average, says Sharon, but the number of female oceanographers is growing. Smith is responsible for her own equipment, which means a lot of packing and unpacking and making arrangements for transport. On board ship, she deploys her own

(Continued on page 3)



Zooplankton nets are part of Sharon Smith's equipment when she is on a scientific cruise. The nets are about nine feet long and approximately two feet at the mouth. This picture was taken when she was on a French vessel off northwest Africa four years ago.



75 Brookhaven Avenue

—photo by Humphrey

## The NSLS Is Growing

Just as the buds on the trees herald spring, so does the construction on Brookhaven Avenue signal the beginning of the National Synchrotron Light Source. Phase I of the construction, which consists of the foundations and steel work, is well under way. In fact, the Vacuum Ultraviolet (VUV) portion of the building (right side of photo) is expected to be ready for occupancy by mid-summer. Then work will proceed on assembling the VUV storage ring. According to Jules Godel, Construction Coordinator, they hope to begin assembling experiments on the VUV storage ring in September 1980.

The section at the left of the photo will contain offices on the top floor and the first floor will house the linac and booster which will serve as the injector for the storage

rings. Still to be constructed is the portion of the building which will enclose the x-ray ring. The entire project is due for completion in October 1981.

Currently, the staff of the Light Source numbers 104, including 22 job shoppers, and is scattered throughout various buildings. The administrative offices are on the third floor of the Accelerator Department. At Bldg. 925, they have assembled the final linear accelerator and have received delivery of the computer control system. Work is progressing on magnet construction and RF power supplies in Bldg. 919. Cleaning and welding facilities for vacuum components can be found at Bldg. 197. The vacuum assembly area, diagnostics lab, and experimental beam line groups are in Bldg. 535.

## R Is For Resistance

"Architects used to think that sophisticated post-war technology could solve any design problem. Plans for homes — some for all glass structures — were based on this premise. But thirty years later, we find that to solve the heating problems these homeowners face, it may be necessary to return to designs used by the ancient Greeks and early American Indians who built their homes properly directed into the sun."

So states Ralph Jones, an architect and a BNL solar engineer. Responding to inquiries as to what homeowners should know about insulation before they attempt to upgrade their system, Jones made clear some basic points.

First, bear in mind that fiberglass insulation is degraded by wind intrusion. Air movement reduces the insulation's thermal resistance. Air can enter the cavity through any open joint, such as one caused by an exterior lighting fixture. Adding extra insulation in an effort to impede air movement into the cavity isn't the answer, says Jones. Any convection, either natural or forced, in the insulation cavity will degrade its resistance — sometimes to the point where it can be equivalent to having no insulation at all. Before adding more layers to one's present insulation, it's essential to seal any openings in the outer skin of the building envelope.

The resistance of an insulation material is given a number and referred to as its "R" value; the higher the R value, the more resistance the material offers. The problem, according to engineers and architects, is not in selecting the proper material of the proper thickness, but in installing it. Careful installation of fiberglass insulation greatly prevents its degrading by air movements induced by wind.

The "break even" temperature for most homes may be between 60° and 65° F. This means that with the thermostat set at 68° F, until the outside temperature falls to within this range, the home requires no assistance

from its heating unit to maintain a comfortable temperature. This is due, explained Jones, to the occupants themselves who in part heat a structure. Approximately 90,000 Btu's are delivered to a home each day by virtue of "living cycle heat." A building's living cycle heat is derived from its occupants and any appliances in use. Another 60,000 Btu's might be delivered to a home each day from the sun entering south facing windows and heating the home's outer surface. Therefore, a tightly sealed structure can retain some of the heat generated in this way and will have a lower break even temperature — and, it's owner may not require heat from the heating unit until temperatures fall well below thermostat set point.

Architects take a home's break even temperature into account when calculating heating requirements. The heat load is used to determine the size of a building's heating unit. Newly constructed homes that are better insulated, well sealed and placed so as to take advantage of the sun's energy have lower break even temperatures and require less "purchased energy" for space heating.

There are several types of insulation. Two of the most widely used are batt insulation (a permeable material like fiberglass which comes in rolls) and non-permeable foam material. One such foam insulation, polyisocyanurate has been shown to resist wind intrusion. It has a higher R value than the equivalent amount of fiberglass. For example, one inch of polyisocyanurate has an R value of 8 compared to an R value of 11 for 3½ inches of fiberglass. However, fire hazards may arise from the use of polyisocyanurate. These can be controlled by installing certain construction materials defined by the manufacturer over the foam insulation.

Jones also described successful experimental homes which use rigid foam insulation. (Continued on page 2)

## Windpower At Energy Expo

Amid what sounded like an inventory of sheets hung on a line to dry in the breeze could be heard: "Will whoever borrowed the tape from the kite hospital please return it?" "All kitists, take one step to the



—photo by D. Mennuti

left, please!" "It ought to fly." "Why isn't it flying?" "The string broke."

A few hundred kitefliers, some from New York City and New Jersey, assembled in the field behind Berkner Hall last weekend to take part in the kiting exhibition and contest held here as part of the Energy Options Expo. With hopes pinned to the tails of their kites, kitefliers competed for prizes in categories such as smallest kite, highest flier, most beautiful kite and the energy special.

Entered as one of the most beautiful was a homemade kite of straws and triangular pieces of colorful tissue paper. But would it fly? "It did once," said its owner from Brookhaven Hamlet. Samuel Tucker, retired BNL assistant director and experienced kiteflier, built and flew a kite made of pink typing paper which he handed over to a younger contestant. A winner in the smallest kite competition successfully flew a moth-sized kite attached by yards of string to a 3 foot pole. And a kite modeled after the Grumman F3F attracted considerable attention: after hours of assembling and painting (including the flying ace sketched in the cockpit), the kitist kept the kite hovering on abbreviated length of string. "Let it out," advised one bystander. "I would," said the kiteflier, "but it's my father's kite. . ."

## Insulation

(Continued)

tions that work well because air can't pass through them. And, he noted, some unusual new homes are built with double walls. The space between the walls is warmed by heat from a greenhouse. How well and why these systems work is the purpose of case studies of the type Jones conducts. The occupants of some experimental homes claim to require little or no heat from a heating unit during the winter season.

Two methods for utilizing the sun's energy, active and passive solar collectors, are currently under study for use in home heating. An active solar collector might be located on a roof. When water is run through it during the day, it is warmed and pumped to a storage system within the home to deliver heat as required during the night.

A passive solar system also collects the sun's rays but uses no pump. An example of passive solar collection in the home is the Trombe wall. Constructed of masonry or similar material, these walls absorb heat from the sun during the day, store it and release it gradually to heat the home at night. Low loss homes using heat derived from Trombe walls need little auxiliary heat.

Because only about 2 million housing units are built each year (as compared to 75 million units already inhabited in the United States), new constructions designed to take advantage of heat from the sun's rays can contribute only modestly to near-term conservation. Refitting existing homes with the right insulation can provide greater near-term benefit. Next week, systems engineer Richard Krajewski, DEE, discusses how to refit a home.

## Speakers Bureau April

**Lloyd Schairer (Biol.)**, Suffolk County Science Teachers Association, "Plants and Their Application as Environmental Monitors," April 6.

**Robert Brown (DEE)**, Science Explorations '79, "The Air and Sea Around Us," April 9.

**Alfred McInturff (Accel)**, Science Explorations '79, "ISABELLE," April 9.

**Marian Le Fevre (Med.)**, Science Explorations '79, "Combining Careers: Wife, Mother, Scientist," April 10.

**Bruce Martin (Math.)**, Science Explorations '79, "Careers in Computers," April 9-10.

**Irvin Meyer (Chem.)**, Science Explorations '79, "Glass & Lab Application Glassblowing," April 9-10.

**Ronald Peierls (Phys)**, Science Explorations '79, "How Small Is Simple: The World of Subnuclear Particles," April 10.

**William Graves (DEE)**, League of Women Voters of Riverhead/Southold, "Energy Alternatives," April 11.

**Kenneth Novak (DEE)**, SUNY at Stony Brook, "Health Effects of Energy," April 18.

**Jill Kaufman (DNE)**, Margaret Mead Day at Half Hollow Hills East High School, "Women in Science," April 26.



Last weekend's exhibits and events at the Energy Options Expo attracted some 3,100 visitors to the Lab. A solar greenhouse (pictured above), models of energy efficient homes and home heating information were only a few of the many displays on view. Among the BNL departments who provided the Expo with displays and personnel were Accelerator, the Solar Research Group, DNE, DEE, Plant Engineering, and the BNL Roadrunners. —photo by Reben

Consider planting leafy trees on the south and west sides of your home. As the trees grow, their leaves will help shield your home from the sun in summer, thereby reducing the power demand on your air conditioning system. In winter when the leaves have fallen, your home will benefit from the sun's rays, resulting in a lower heating bill.

## Women's Group Meets

The Brookhaven Scientific and Professional Women's Group will have a lunch meeting on May 7, from 12-1, in Room A at Berkner Hall. This will be an organizational meeting to get committee people together.

Please bring your own lunch. Coffee, tea and cookies will be available. Direct any questions to Harriet Fadem or Vicki McLane, Ext. 2902.

## Notes From The P.O.

Mailing a parcel? If the package weighs 16 ounces or more and contains no hand or typewritten message, fourth class postal rates may be for you. A parcel which meets these specifications (and needn't reach its destination in less than a week) can be mailed fourth class at a rate cheaper than that of priority mail service.

A parcel which weighs 16 ounces or over and contains a printed message of any kind constitutes first class mail and must be sent by priority service. A parcel sent by priority mail receives first class handling and will reach its destination as quickly as a letter.

An alternative is to place the proper amount of postage on a first class piece of mail and enclose it in a package which may then be sent parcel post (fourth class). Be sure to inform the postal clerk that this has been done.

When the sender wishes a receipt to prove that a document has been mailed, he or she has a choice of certified or registered mail. At about one-fourth the cost of registered mail, certified mail provides a receipt to the sender and a record of delivery at the post office of address. It is dispatched and handled as ordinary, first-class mail.

At a higher rate, registered mail gives the sender maximum security by providing evidence of mailing and delivery and indemnity in case of damage. Unlike certified mail, an additional record of registered mail is kept at the post office at which it was mailed. An item sent either by registered or certified mail reaches its destination with the same speed.

Bear in mind, when next you send a package or document, that in some cases a lower postal rate is available and will supply the service you need.

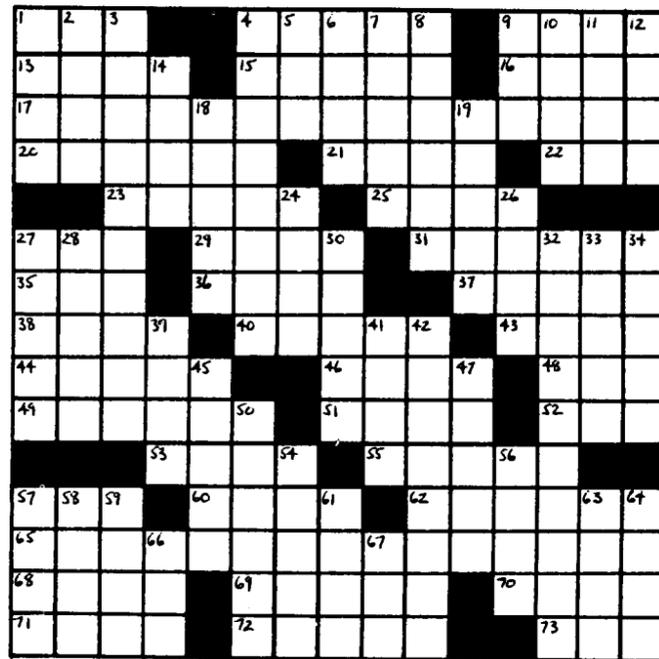
## Reports Available

- BNL-50782** \$9.25  
Proceedings Of The Workshop On World Oil Supply-Demand Analysis. K.C. Hoffman
- BNL-50795** \$6.50  
Annual Summary of Programs In Energy Sciences. D.J. Metz
- BNL-50856** \$6.50  
Documentation Of The Brookhaven Energy I-O and I-O/Besom Linkage. J.T. Fraser
- BNL-50886** \$4.00  
Development Of A Glass Polymer Composite Sewer Pipe From Waste Glass - Progress Report No. 8 - April - June 1978. L.E. Kukacka, et al
- BNL-50892** \$6.00  
An Alternative, Semi-Automated Method For Performing Multiobjective Analyses. J. Schank
- BNL-50894** \$7.25  
Flash Hydropyrolysis Of Coal - Quarterly Report No. 5 For The Period January 1 - March 31, 1978.
- BNL-50896** \$4.50  
Encapsulation Of Phase Change Materials In Concrete Masonry Construction - Progress Report No. 2 - March 1978 - May 1978. M.J. Sansone, et al
- BNL-50897** \$4.00  
Use Of Multi-Metallic Bifunctional Catalysts For The Conversion Of Coal Derived Synthesis Gas To Methanol - Progress Report No. 3 - June - August 1978. R.S. Sapienza, et al
- BNL-50900** \$4.00  
A Large Mass Storage Facility. A.M. Peskin
- BNL-50909** \$4.50  
The Laser-Ash (LASH) Particulate Fragmentation Removal Concept For Coal-Fired Turbine Power Plants. T.E. Botts, et al
- BNL-50911** \$9.25  
Cementing Of Geothermal Wells - Progress Report No. 9 - April - June 1978. L.E. Kukacka, et al

## Crossword Puzzle

### Across

- 1 --- Harbor, NY 11963
- 4 Hemp fiber
- 9 NSLS output
- 13 --- Caliente
- 15 Actor Peter O'---
- 16 Possible Stony Brook performer
- 17 It was lower at BNL in 2/79 than in 2/78
- 20 Spring back
- 21 Calumniate
- 22 Elementary Latin word
- 23 They're twist twelve and twenty
- 25 In --- (bewildered)
- 27 "How's that again?"
- 29 Years: Sp.
- 31 Evening party
- 35 Nigerian tribesman: Var.
- 36 Sci. write-up
- 37 Birthplace of Leland Haworth
- 38 Oceanography over Popovers: 15-2, 15-1, 15-0, e.g.
- 40 Parallelogram
- 43 Wife of Esau
- 44 Kind of research
- 46 Hot deli standby
- 48 Galbraith's field, for short
- 49 Some BNL employees
- 51 Otherwise
- 52 Center and Technology: Abbr.
- 53 Galatea's beloved
- 55 Emulate BNL's Le Roy Jefferson
- 57 Self-esteem
- 60 Building --- Nine (Continuous Film Processing)
- 62 Joseph of Contracts Procurement



- 65 Brookhaven program: improvement for 17
- 68 Flippen of the Medical Department
- 69 "--- Frome"
- 70 Quantity of memo paper
- 71 System for "seeing" molecules
- 72 Perch
- 73 Lewis and Thomson: Abbr.
- DOWN**
- 1 Capetown's land: Abbr.
- 2 Malarial symptom
- 3 Building 257 facility
- 4 30-year employee, February 1979
- 5 --- Source Lab, Building 930
- 6 Distress calls
- 7 Spurious wing
- 8 Division B volleyball team
- 9 Club for an Oh Kay
- 10 Kazan
- 11 Big little fellow at BNL
- 12 Relative of stereo
- 14 "I cannot tell ---"
- 18 Welcome weather word
- 19 Scientific quest
- 24 Junior-to-be
- 26 Kind of monster
- 27 Bitter Passover fare
- 28 W.W. II sub
- 30 Cafeteria fixture
- 32 TRANSVAN participant
- 33 Work in BNL's Theatre Group
- 34 Cultural character
- 39 Louise or Turner
- 41 Heat ice to 0°C
- 42 Workplace for Gene Rogers
- 45 Raw material in Hershey
- 47 Benefit from Le Roy Jefferson
- 50 Choral meeting attendee
- 54 Look after
- 56 Sonny's ex
- 57 Cafeteria staple
- 58 Trot or pace, at Roosevelt
- 59 Caen's river
- 61 Holy Roman emperor
- 63 "Zounds!"
- 64 Building 461 and the like
- 66 Mah-Jongg tile
- 67 W. Hemisphere alliance

# BROOKHAVEN BULLETIN

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**BROOKHAVEN NATIONAL LABORATORY**

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## New York Train Trip

The Hospitality Committee is planning a group railroad trip to the city on Wednesday, May 16, 1979. Departure will be at 8:28 a.m. from the Patchogue LIRR station. Round-trip fare for adults is \$2.45, children under six years ride free.

Reserve a ticket by sending your fare through the U.S. mail to P.O. Box 322, Upton, New York 11973, no later than Thursday, May, 10. Make checks payable to "Brookhaven National Laboratory." Your tickets will be given to you on the train. Refunds will be made only if cancellations are received by the Friday preceding the scheduled trip.

## Cookbook Sale

May 13 is Mother's Day. Why not give your mother or wife a gift she will use and enjoy for a long time?

"Seasonings," the new Cooking Exchange cookbook, will be on sale in the Cafeteria Lobby on Friday, May 11 from 11:45 to 1:15. The price is \$3.50 (tax included).

The cookbook is a collection of International recipes selected from over seven years of Cooking Exchange entries. It contains kitchen-tested dishes from over thirty countries contributed by Lab employees and visitors.

## Cooking Exchange

Delicious, delightful, luscious, scrumptious and low calorie! Certainly all these adjectives will apply at the next meeting of the International Cooking Exchange. Come to the May 9 meeting and see how fattening low calorie food can taste. After almost a full season of great cooking, the Cooking Exchange - in recognition of the imminent approach of summer, shorts and bathing suits - feels it's an appropriate time to share our collection of diet recipes.

Come to the meeting on Wednesday, May 9, from 12:30 to 2:30, at the Recreation Building.

## Mountain Club

The Mountain Club's weekend overnight camping trip to Watch Hill on Fire Island is scheduled for May 4 and 5. Contact Don David, Ext. 4821 or Doug Hof, Ext. 4309 for details or see last week's *Bulletin*.

Next weekend, May 12 and 13, the Club will hike up Slide Mountain. At an elevation of 4000 feet, Slide is the highest mountain in the Catskills and on a clear day offers a good view of the rest of the range. The hike starts from Woodland Valley at 10:00 a.m. on Saturday, May 12. The group will camp at the top of the Mountain on Saturday night and return to Woodland Sunday afternoon. Contact Don David at 286-2267 or Ext. 4821.

## Cafeteria Menu Week Ending May 11, 1979

<b>Monday, May 7</b>		
Potato leek soup	(cup)	.30
	(bowl)	.40
Turkey tetrazzini		1.30
Western omelette & 1 veg.		1.30
Hot Deli - Sloppy Joe	(on bread)	1.20
	(on roll)	1.30
<b>Tuesday, May 8</b>		
Split pea soup	(cup)	.30
	(bowl)	.40
Chinese pepper steak on rice		1.40
Poached filet of cod & 1 veg.		1.40
Hot Deli - Pastrami	(on bread)	1.30
	(on roll)	1.40
<b>Wednesday, May 9</b>		
Cream of spinach soup	(cup)	.30
	(bowl)	.40
Breaded flounder filet & fr. fr.		1.40
Stuffed pepper & spaghetti		1.40
Hot Deli - Virginia baked ham	(on bread)	1.30
	(on roll)	1.40
<b>Thursday, May 10</b>		
Beef barley soup	(cup)	.30
	(bowl)	.40
Tacos & refried beans		1.35
Scalloped ham & potatoes		1.35
Hot Deli - Roast turkey	(on bread)	1.30
	(on roll)	1.40
<b>Friday, May 11</b>		
Fish chowder	(cup)	.40
	(bowl)	.50
Filet of fish Parisienne		1.40
Barbequed spare ribs & 1 veg.		1.40
Hot Deli - Fried clam roll w/cole slaw & chips		1.40

- SAGA FOODS -

## "Enter Laughing" Opens Soon



Ron Ruth (Marvin) peers over Ruth Basile (Angela) in the Theatre Group's presentation of, "Enter Laughing." Tickets for the play will be available in the cafeteria during lunch beginning Monday, May 7. Performance dates are May 11, 12, 18 and 19. Tickets are \$3 for adults and \$2 for senior citizens and students under 18. Contact Liz Russell, Ext. 3940 for further information or to reserve tickets.

-photo by Humphrey

## Gardner's Note

Plots for gardening are available now for on-site residents. Located in the apartment area, the plots may be secured from Eve Sokol, Ext. 3011, Apartment 28D, Yale Road.

## Oceanographer Smith (Cont'd)

nets and does whatever other physical work is required. With the men, the women oceanographers share the work, the watches and the bathrooms. "But you are out there to do science," says Smith, "and although the living conditions are not the most luxurious, they can be dealt with. It's all a question of your attitude." When the scientists are not working, or trying to sleep, there are cards, books, cribbage and sometimes, movies, for relaxation.

Sharon Smith grew up in Denver, Colorado, and received her B.A. from Colorado College. She took a master's degree from the University of Auckland, New Zealand, and received her Ph.D. in zoology from Duke University. From 1975 to 1978, she held a postdoctoral appointment at Dalhousie University, Nova Scotia, where, she said, she "began to learn the ropes in oceanography." Before she joined the staff of DEE's Oceanography Division a year ago, she had been on other scientific cruises off Peru and northwest Africa. She went into oceanography because "after 22 years in Denver, I wanted to see what oceans were all about. Now, I can't imagine doing anything else."

## Arrivals & Departures

### Arrivals

Bernadette Christian	Energy & Env.
Donald G. Cole	Adm. Sys. & Data Proc.
Nora J. Davies	Photog. & Gr. Arts
Brent G. Ewing	Accelerator
Natalie I. Feng	Accelerator
Nicholas J. Franco	Adm. Sys. & Data Proc.
Alexander Herman	Accelerator
Stephanie H. Lamontagne	A. S. & Data Proc.
Donna M. Meyer	Technical Info.
Salvatore N. Morano	Biology
Ronald W. Oram	Accelerator
Sushil K. Satija	Physics
Royal E. Thern	Accelerator
Sharon Zuhoski	Energy & Env.
Neelima Varma	Physics

### Departures

Richard J. Goettle, IV	Energy & Env.
Adele W. Hough	Energy & Env.
Geerd-Jurgen Meyer	Chemistry
Gregory H. Michels	Safety & Env. Prot.
John J. Polcha	Photog. & Gr. Arts
Len D. Spaulding	Energy & Env.

## Runner's Corner

At its April 29 meeting, the BNL Roadrunners decided on a 5 km and a 15 km course for its May 20 run on-site. The 5 km run is a turnaround course which begins at Brookhaven Avenue at 9:30 a.m. A new 15 km course has been planned. The 15 km run begins at 10:05 a.m. Entry applications will be sent by inter-office mail to all who receive **The Runaround** and are also available at the gym or on the runner's bulletin board in Bldg. 318. Volunteers are needed to help officiate at the May 20 event. Anyone who can help that day should contact Ted Landry, Ext. 2959.

BNL Roadrunners are invited to enter a jog-a-thon fund-raiser for leukemia on Sunday, May 6, starting at 9:30 a.m. from Scraggy Hill School in Port Jefferson. Runners may choose from a 5 or 10 km course. Contact Ed Gill, Ext. 4725 or 4662 for details and a registration blank.

## Women's Tennis Ladder

For those who missed the first announcement, this is a reminder that the 1979 Tennis Ladder play has begun. Employees and wives of employees are invited to join the ladder by signing up at the BERA Office in Berkner Hall as soon as possible. Don't be timid, beginners are always welcome. This is a great way to meet new people and improve your game.

## Aviation Club

Twenty-two members and guests attended the April meeting of the Club in Berkner Hall. Guest speaker George Taylor, a licensed power and sail plane pilot, described soaring as well as the formation and type of weather conditions that are conducive to the sport here on Long Island, particularly at Brookhaven Airport. In addition to this interesting and informative talk, two FAA films were shown. Plans were also discussed for the Block Island June Fly-In. This event is under the direction of Ron Dohert and his committee.

The next regular meeting will be held Wednesday, May 9, at 6:00 p.m. in Berkner Hall, Room C. The guest speaker will be Bob Larson, President of the BNL Radio Control Model Aircraft Club, who will discuss and demonstrate this popular aviation hobby. Also scheduled for the meeting will be the showing of two FAA films: "Disorientation" and "Take Off and Land."

Employees, family members and friends are welcome to attend any of the Club's meetings.

Questions regarding the Aviation Club may be directed to Ed Schwaner, Ext. 4846, or Ron Dohert, Ext. 4082.

## Bowling

### Pink League

A tie for high series of the night: Pat Jencius with a 190/167/484 and Millie Connelly with a 169/159/156/484. Not far behind was Mary Grace Meier with 165/163/470.

Good single games were bowled by Helen Keeley 180, Ellie Kristiansen 167 and Barbara Cochrane 160.

The next night of bowling will be both sweepstakes and position night with the No Names bowling the Lickety Splits for the second half championship.

### Red League

The 76'ers had a terrific night (3137 pins, 1134 game) winning 8-3 over the Pinball Wizards. J. Morris (233-205) had a 626/671 series. M. McKenna a 554/668. R. Larson (225-213) a 586/616 and T. Holmquist grossed 605 pins. This Isa Team won 11-0 over the Freon Loaders. Ed Sperry IV had a 205 game and 621 gross. W. Kollmer a 203.

The Sandbaggers bowled 3038 pins and won 11 from the Cosmos. C. Bohlenblusch had a 214 and a 577/649 series. E. Meier grossed 622 and R. Jones a 204/572/635 night. The Anachems had 3016 pins (a 1089 game) and won 8-3 over the Trouble

## Radio Club

There will be a meeting of the BNL Radio Club at 10:00 a.m. on Saturday, May 5, at the Recreation building in the Lab apartment area. The purpose of the meeting is a general shack cleanup and reorganization, and some necessary work on the antenna system. All club members are urged to help out.

The BNL Roadrunners are having their annual races at the Lab on Sunday, May 20, and will need communications. Any hams having 2 meter fm equipment who would like to help out should contact Alan Bieber, WA2EPW, at Ext. 2928 or 821-0761.

## Womens Softball

Last Sunday's game was cancelled due to inclement weather and poor field conditions. Our next game is May 6 at 3:00 p.m. against the Native New Yorkers. On Friday, May 11, the women's team will play a game vs. Bamboozles Pub, at 5:30 p.m. Anyone wishing to lend us some support is welcome. Games are played at the BNL softball field.

## Hospitality News

A morning coffee will be held Monday, May 7, from 9:30 to 11:30 a.m., in the Brookhaven Center.

All wives of Laboratory employees are welcome. Please come and bring the children. Babysitting will be provided free of charge. It is suggested that you bring along a toy or two for your child to play with.

Shooters. L. Newman bowled a 205 game and 651 gross wood, T. Prachva 208 and 634 gross.

The Old Timers had some good team bowling (a 1083 game) and took the Dynomites 8-3. S. Frei had a 212 game. R. Smol grossed 608 pins and J. Fontana 604. The Designers also won 8-3 over Old Timers II. A nice night for E. Sperry with a 209 game and a 555/648 series.

### Gold League

High games for the evening were bowled by Betty Roche 156, 176; Donna Williams 153; Bella White 125, 105 (she has an 86 average); Ruth Cohen 145, 145; Lynn Boyd 165; Marsha Kipperman 153, 172; Elaine Liquori 162; Lynn Tice 151. Alice Alberico converted the 6-7 split.

### Purple & White

The Drafts and the Flounders tied for first place. Jeanne Penoyar had high game for the ladies with a 208 and Ed MacDougall for the men with a 205 game. High series for the men was bowled by Nat Carter 192/194/165 - 551 and for the ladies by Caryl MacDougall 182/201/187 - 570. Other good games include Gail Thompson 177/201/159 - 537 series, Nancy Erickson 190, Kay Conkling 189, Lil Cahill 191, Sharon Smith 181 and Kathy Carter 179.

## Classified Advertisements

### Placement Notices

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

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

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

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

980. **TECHNICIAN** - Requires AAS degree in biological or physical sciences or equivalent. Experience in health physics, industrial hygiene, and general safety highly desirable. Will assist with occupational health and safety monitoring programs. Safety and Environmental Protection Division.

981. **ELECTRONIC TECHNICIAN** - Requires AAS degree or equivalent in electronic technology to work as operator in AGS Main Control Room. Requires expertise in systems troubleshooting, computer operation and controls. Knowledge of high power rf systems and high current power supplies desirable. Rotating shift work. Accelerator Department, ISABELLE Project.

982. **PATROL OFFICER** - Requires AAS in police science/criminal justice or equivalent capabilities and familiarity with the operation of a security department. Must have excellent written and oral communications skills. Must be willing to work shifts. Safety and Environmental Protection Division.

983. **INDUSTRIAL HYGIENE ASSOCIATE** - Requires BS in physical or biological sciences and significant work experience in industrial hygiene. Will work with team of professionals in delivering a comprehensive industrial hygiene program to Laboratory employees. Safety and Environmental Protection Division.

### Autos & Auto Supplies

76 CHEVY SUBURBAN - C20, trailering special, ps/pb, a/c, 20 more options, mint cond. \$7000. O. Jacobi, Ext. 4406.

69 PONTIAC FIREBIRD - a/t, ps/pb, a/c, 350-V8, recent tune-up, reg gas, good cond. \$750. Melanie, Ext. 2466.

69 LINCOLN - 4 dr, ps/pb, a/t, a/c, p/w, runs well, body good, needs minor work. Asking \$395. 727-7304.

72 BUICK LE SABRE CUSTOM - 4 dr, vinyl/ht, ps/pb, a/c, AM/FM stereo, extra rims & snows. \$550. Ext. 2107.

67 BUICK WILDCAT - 429 ci, all pwr acc, a/c, low mi, must sell, good cond. Ext. 4782, 821-0695.

CAP - 8' pickup truck, paneled, insulated, 31" high, very good cond. \$300. Joe, 878-0286 after 6.

73 DODGE VAN CAMPER - fully self-cont. \$6500. Al, 669-4794.

66 FORD ECONOLINE VAN - 6 cyl. 698-3591.

71 HONDA CL350 - lo mi, custom seat & metal flake point, must see. \$450. Dan, Ext. 4636.

77 CAMPER - 38', 5th wheel, fits 73 GMC pickup, to settle estate. Julie, Ext. 2942, 929-6460.

64 CHRYSLER NEW YORKER - good running cond, recent tuneup, muff. \$300, best offer. 924-4826.

72 CUTLASS SUPREME - very good cond, silver/blk vinyl roof. \$1500. Ext. 2011, 728-8770.

69 BUICK SKYLARK - 2 dr, p/s, a/t (rebuilt), a/c, vinyl top, runs well. \$485. Stan, 286-3333.

WHITE FRONT & REAR BUMPERS - for Dodge van 1977 & up, brand new. \$25 ea. 727-7304.

67 COMET - 6 cyl, new brakes & cyl, exhaust sys, mech good. Asking \$450. Ext. 4289, 281-3992.

68 PONTIAC PHOENIX - 6 psgr hatchback, V6, a/t, ps/pb, a/c, AM/FM 8 trk, w/w radials, high mpg, more, showrm cond. \$4750. Ext. 3860.

69 LEMANS - runs. \$150. Mike, 727-5527.

74 MAVERICK - 6 cyl, a/t, 40,000 mi. \$150. Ext. 4539/4540.

68 FORD LTD WGN - 9 psgr, ps/pb, rack, 390 eng, runs well, some rust. \$375. Ext. 3300, 924-6977.

72 CHEVY IMPALA - a/c, ps/pb, factory AM/FM 8 trk, int mint. \$1000. Frank, Ext. 4688, 281-4607.

67 MGB - new conv top, radial tires, gd int, gd running cond. 472-3994.

14" CHEVY WHEELS - \$5/pr; 13" Ford wheels, 4 hole \$5/pr. Bob, Ext. 2919, 289-0357.

65 CHRYSLER STA WGN - New Yorker, 9 psgr, dual air, r/h, roof rack, ps/pb, p/seat driver, elec door locks, cruise control, loaded, last of the New Yorker wagons. \$500. 473-2197.

78 CHEVY VAN SEAT - tan & brown w/yellow check design, never used. \$50. John, 924-6733.

70 CHEVY SUBN - V8, a/t, ps/pb, a/c, good body & mech cond, hitch. \$1750. Bill, Ext. 2378, 286-0243.

67 FORD STA WGN - \$150. Ext. 7684, 698-1035.

TIRES - new, used, rims, repairs, Gillette, BF Goodrich, mag wheel service. F. Usack, Ext. 4798 lunchtime, 475-4935 eves.

2-68 OLDS - 1 for driving, 1 for parts. \$300. Walt, Ext. 3006.

73 CHEVY ¾ TON PICKUP - 2 w/d, rebuilt eng, new shocks, clutch, h.d. tires, w/cap. \$2350. Tom, Ext. 2959.

76 SUBARU - car in smash - front, motor excel cond, good for mechanic. 281-5532 eves.

70 CADILLAC SEDAN DE VILLE - perf cond, stereo AM/FM radio, a/c, radials, body flawless inside & out, 73,000 mi. \$1000. H. Sauter, Ext. 3783.

65 BUG - trans-axle, transmission, \$50 ea, rebuilt 18,000 mi; 4 tires, like new, \$12 ea; 2-4 hole, 2-5 hole rims, \$5. AT6-8353.

68 CHEVY IMPALA - 3 spd, a/t, new brakes, exhaust, good tires, very good cond. \$350. Ext. 4219.

72 MERC VILLAGER STA WGN - ps/pb, a/c, roof rack, tow pack, 351-V8, good cond, must sell. Bob, Ext. 4782, 821-0695

74 BLAZER - 4 w/d, ps/pb, a/t, 56,000 mi, new paint, extras, excel cond. \$4200. Ext. 3963.

72 COMET - 2 dr, 6 cyl, a/t, a/c, radials, needs some work, good station car. \$500. 286-1816.

73 FORD GALAXIE 500 - a/t, a/c, ps/pb, 4 dr, vinyl top, excel running, good paint, 351 eng. \$1750. Ext. 4532, 277-4091.

76 AUDI FOX - 30 mpg, reg gas, low mi, maroon/saddle int, a/c, AM/FM Blaupunkt stereo, radials, much more, showrm cond, must sell. Asking \$4295. John, 929-8283 eves & weekends.

74 AUDI FOX - a/t, front w/d, sunroof, AM/FM tape, very good cond. \$2200. 698-7661.

74 DODGE PICKUP - 4 w/d, ½ ton, new paint, a/t, ps/pb, w/cap, \$3300; 1971-73 Vega hood, \$25. 475-5834 after 6.

76 GMC - van conversion, ¾ ton, self-cont, low mi, reg gas, like new; Reese hitch, fits Chevrolet, \$40. 325-1961.

TIRE - F78-14 Goodyear custom pwr cushion fiberglass belted, 4 ply, w/w, new \$44 + tax, never used. \$30. 727-5527.

70 CHEVY - 4 dr, 6 cyl, a/t, 65,000 mi, excel cond. \$950. Don, Ext. 3533.

75 FORD ELITE - dr brown, 54,000 mi, a/c, excel. Paul, Ext. 2023, 727-1464.

70 MONTE CARLO - excel cond, new 327 eng, custom paint, new Firestone Super Sports, Cragar S/S, new turbo 400 trans, AM/FM/8 trk CB, must see. \$1800, will talk. 924-3821.

76 CHEVY MONTE CARLO LANDAU - tan/tan int, ps/pdb, p/tilt wheel, 43,000 mi, good cond. \$3800. Horn, AT1-0173 after 6.

17' TRAVEL TRAILER - clean, w/all goodies for hunting. \$1600. 732-2668 after 6.

73 MERCURY MONTEGO - ps/pb, a/c, very good cond. \$1300, negotiable. Kevin, 475-0954 after 5.

75 HONDA CB500T - good cond. \$800. Paul, Ext. 2071.

10' SLIDE-ON CAMPER - 69 Del Ray Sky Lounge, sleeps 6, dinette, hot & cold water, Coleman heat, gas & elec, refrig/freezer, head & shower. \$1300. Horn, AT1-0173 after 6.

TIRES - (4) 9.50x16.5, 8 ply, Goodyear. \$100. 928-0397.

### Boats & Marine Supplies

O'DAY WIDGEON - 12½' sloop, fiberglass, dacron sails, w/2 hp Evinrude motor. \$700. Ext. 3441.

18' CRUISER 1975 - w/70 hp Johnson outboard, blue & white, full canvas, w/extras. \$2995. 727-4431 after 5.

VHF HORIZON 25 - excel cond, \$225; 2-burner alcohol stove, Willcox Critten, \$50. Ext. 2361.

27' BRISTOL FIBERGLASS SLOOP - 5 sails, documented, VHF, depth sounder, knot meter, compass, excel cond. \$10,500. 929-4796.

25' WOOD SLOOP - 4' draft, FG deck, SS rigging, spruce, spars, head, galley, compass, outboard, good cond, extras. \$2800. B. Wiesen, Ext. 3080.

19' SAILBOAT - fiberglass, cabin, centerboard, main & jib, 4.5 hp motor, trailer. \$1950. Harry, Ext. 2031, 751-2139.

17' FIBERGLASS BOAT - sm crack in bottom, \$150; 55 hp Evinrude, good cond, \$200; 17'-19' tilt boat trailer, fair cond, \$100. 286-3508.

SUNFISH - excel cond, like new, w/dolly. Compl \$600. J. Weber, Ext. 2003, 472-0086 after 6.

24' WINNER CONVERTIBLE - 1978, 198 Merc I/O, under factory warranty, new \$15,000. Asking \$12,500. 589-0421.

21' SWING KEEL SAILBOAT - fiberglass, 6 hp Evinrude, 4 sails, trailer, cruise equipped. \$3500. Bill, Ext. 7604, 473-1813.

20' BOAT - Owens w/75 hp motor. \$200. 878-1806 after 5.

CABLES - remote control, dual lever, for OMC outboard to 40 hp. \$25. Ext. 4335, 286-9458.

115 HP MERCURY 1977 - w/pwr trim, controls, cables & tank. \$1700. 281-8458.

25' BECKER - Chrysler inboard. \$950. Bill, 744-8999.

10 LB MUSHROOM ANCHOR - \$10. B. Espensen, Ext. 3992.

15' CHRIS CRAFT - Lavalier '74, 70 hp Johnson outboard w/tilt trailer. \$1950. 732-2134.

### Miscellaneous

GROUP YARD SALE - 27 Pine St, May 4 & 5, 10-4, benefit Patchogue Nursery School. Ext. 3796.

YARD SALE - May 5 & 6, 10 am - 4 pm, 27 Northern Blvd, Shirley (off William Floyd, just south of tracks). 281-8016.

YARD SALE - 115 Dunton Ave., E. Patchogue. 5/2 & 5/3 from 10-5.

SPRING HORSE - very good cond. \$15. Carl, Ext. 4680.

GOLF CLUBS - Wilson X31, 2 yrs old, excel cond, 4 wood 1-5, 10 irons, 2 SW & putter, bag & covers. Doug, Ext. 4227.

CARD TABLE - octagon shaped, red felt top w/4 matching red folding chairs, \$75; Sears frost-free refrig/freezer, white, bottom freezer, \$75. B. Doering, Ext. 3049, 265-0391 after 5:30.

GUITAR - 1968 Martin model 0-18, beautiful, \$400; Framus 5-string banjo, hardly used, \$100; gold plated Schilke trumpet, excel cond, \$350. Ron, Ext. 7667.

PORTABLE TYPEWRITER - Singer manual, w/cover, good cond. \$20. Sandy, Ext. 4207.

SOFA - 90" Ital Prov, fruitwood & cane, excel frame & cane work. \$85. 286-2749 after 5.

TRUMPET - King #600 w/case, excel cond. \$100. Ed or Jean, 929-4522.

BABY SCALE - \$10; hair dryer, \$8; camp cooler, \$7; travel sprinkler, \$5; recliner, \$5; 40 gal storage water tank. \$10. Walt, Ext. 2907/2913, 698-0576.

FREE - TV & FM antennas, damaged slightly, come & get it. Ext. 3655, 281-2002.

DANISH MOD BUFFET - 5' long, 36" wide, walnut wood, good cond. \$150. Ext. 4532, 277-4091.

CORNING WARE - 8 pc set, excel cond, 4, 2½ & 1 qt saucepans, 10" skillet, w/lids. \$20. Jim, Ext. 2968.

UPRIGHT FREEZER - 15 cu ft. Ext. 2409.

CEMENT MIXER - Essick model 350, ½ bag cap, w/o eng. \$150. R. Cook, Ext. 4592, 928-9359 eves.

LIV RM SET - contemporary style, 2-tone couch, love-seat, club chair, excel. \$350. Joe, Ext. 7961, 727-7450 eves.

SYLVANIA 19" COLOR TV - \$139; 5 pc liv rm set. incl sofa bed, \$499; Magnavox amp & elec guitar, \$49. Anne, 924-6015.

BICYCLES - girl's 20", \$22; boy's 20", \$18; men's 10 spd, \$50. 744-0979.

PLATFORM BED - matt 1 yr old, \$150; dresser 4'x33", maple, \$50. B. Wieser, Ext. 3080.

COLECO ALUM POOL - 4'x24', all equipped, 10'x30' wood deck. \$650. 475-8206.

ITAL PROVENCIAL RECLINER - moss green, excel cond. \$50. Ext. 2381 or 2384.

REFRIG/FREEZER - Westinghouse, gold, 16 cu ft, 1975 model, frost free, side-by-side doors. \$100. 331-2779.

KARASTAN RUGS - white shag, liv rm chair, lamps, end tables, drum table. Wells, 878-4214.

30" GE RANGE - free standing, like new, \$100; Whirlpool portable washing machine, \$25- room humidifier, \$35. Chuck, Ext. 4481.

ADDING MACHINE - paper record. \$10. Bob, Ext. 2819, 289-0357.

POOL LADDER - stainless tube type, white steps, \$50; Lomart diat earth pool filter, SS tank, \$20. Jim, Ext. 4040, 289-0876.

SEWING MACHINE - Sears, w/auto stitch cams & sewing table, hides away. \$170. Louise, Ext. 3617.

BIKE - girl's 26" single spd Schwinn, rear coaster brake. \$35. J. Ridgeway, Ext. 2452, 473-1154.

ROOT FEEDER - for shrubs, trees, attach to hose, \$5; Perma Tweez for hair removal, unused, \$10. Connie, Ext. 2263.

POOL - 18' round x 4' deep w/ss filter, skimmer & att 3½' chain link safety fence, all disassembled. \$200 or best offer. 929-8105.

TENNIS RACQUETS - Wilson metal, Davis Imperial. Best offer. Ext. 3403, 751-3883.

CHILD CARRIER - fits 10 spd bikes. Ronnie, Ext. 2980.

AIR MATTRESS - green plastic, single size, \$3; french purse, unused, tan color, \$2. Ext. 4763.

GOLF CLUBS - 1 & 4 Royal woods, excel cond. George, Ext. 2021.

SPEAKERS - Altec Lansing Flamenco 848A systems, like new. Asking \$479. R. Cook, Ext. 4592, 928-9359 eves.

ELEC STOVE - 4 burner, 21" wide x 25" deep, like new. \$60. John, 924-6733.

CAN OPENER - Sunbeam elec, \$10; manual portable typewriter, \$35; water purifier, \$30. Claire, Ext. 3655, 281-2002.

LG PICNIC TABLE - w/att benches, needs some repair. \$20. N. Gillespie, Ext. 3633.

POOL - 15x30x4 oval Coleco, Jacuzzi filter, all access. 160'x4' cyclone fence, excel cond. 924-3553.

BOY SCOUT SHIRT & PANTS - & both hats, size 14-16, new cond. \$15. Tim, 281-7873 after 3.

12 GAUGE RELOADER - Lee load all, used 5 mos. \$20. Neal, Ext. 4019.

GOLDEN RETRIEVER PUPS - champion lines, ready about end of May. Walt, Ext. 3005.

METAL CLOTHES CLOSET - 66" high, 24" wide, 19" deep. \$15. 669-4479.

MAGIC CHEF GAS RANGE - 36", harvest gold, self-cleaning, broiler, griddle, storage compartment, illuminated clock & timer, access outlet. \$200. Metzi, Ext. 2468.

KITCHEN CABINETS - wooden birch, 15', built-in avocado GE self-cleaning oven, Westinghouse avocado table-top range, Stainless Steel Nutone exhaust fan. Annamaria, Ext. 2352, 473-9016 after 6.

HAMMOCK - red canvas, 6'x28" w/23' of ½" manila rope, \$10; Army folding cot, canvas & wood, like new, \$7. Connie, 475-0465.

SWIMMING POOL ACCESSORIES - pump (rebuilt last season), filter, used 1½ seasons, skimmer, vacuum attachment, hoses, more. Frank, Ext. 4659 or 473-9379.

ROAD BIKE - 1973 Yamaha 250 cc, 10K mi, \$450; Puma hdtpp pop-up, \$450. 473-8716.

SHOWER BASE - 36"x36", new. \$50. Ext. 3084, 286-3508.

BICYCLE - 5 spd Raleigh chopper. \$20. Bob, Ext. 4637, 692-8659.

COUNTRY CROCK COOKER - Farberware, new, still in carton. \$15. Ext. 4727.

SHURE CARTRIDGE - V15 type III, brand new, won in contest, full warranty. \$45 firm. Ext. 4701, 271-2877.

1969 APACHE CAMPING TRAILER - Messa III, sink, stove & heater, spare tire, canopy, excel cond. \$600. 589-4327.

GOLF CART - Harley Davidson gas pwr, excel cond. \$400. 286-8446 after 5.

MARANTZ STEREO RCVR - Dolby FM, 75 watts per channel, new \$250. Ext. 4666.

1975 HDTV POP-UP - 8 sleeper, excel. \$1300. 878-1806 after 5.

19" GE COLOR TV - good cond. Ext. 7755/3188.

ANTIQUE MAHOG BUFFET - 38x24x39", \$70, 20" girl's bike, \$10; child's picnic table, \$8. 744-2514.

TORCH KIT - Bernzomatic propane, used 1 time, \$10; fireplace log roller kit for newspaper logs, like new, \$3. Ext. 3300, 924-6977.

BATHRM SINK VANITY - (2) still in box. \$35 ea. 281-6191.

ELEC CLOCK - wall or mantel; RCA TV, 23" console b/w, as is, \$15; upholstered chairs, new slipcovers, \$75/pr. 325-1961.

5" OSCILLOSCOPE - Heathkit, w/new spare 58Pl tube, \$10; Craftsman floor polisher, \$10. Ext. 4692, 722-4489 after 6.

ROYAL HAND VACUUM - rotating brush type, cloth dust bag. \$15. Ext. 3855, 286-2282.

GARDEN TRACTOR - elec start, w/36" floating mowing deck. Don, 929-6646.

CORNING CUPS - white, open handles, set of 4, \$5; ladies figure skates, size 5, \$10. Ext. 4763.

SHOPSMITH MULTI TOOL - drill press, table saw, lathe, sander, boring mach, good cond. \$275. Paul, Ext. 4665, 727-4859.

VACUUM - Sears upright, single spd, 7-position, attachments. \$50. J. Ridgeway, Ext. 2452, 473-1154.

RECORD/PLAY DECK - Panasonic 8-trk, connects to stereo sys. \$35. Alan, Ext. 2928, 821-0761.

NEW POOL - Coleco 4'x24", stainless steel earth filter, all access incl. Laurie, 821-1285.

SPINET BALDWIN ORGAN - 1 octave, floor pedals, old & in excel cond. Asking \$400. 331-3091 after 5.

MEN'S BOWLING SHOES - size 9, brand new, for right hand bowler. Don, Ext. 4346, 821-9125.

8-TRACK - underdash stereo. \$25. 588-2596 eves.

FREEZER - upright 19 cu ft Imperial, like new, locks. \$200. 281-4871 after 2.

SUPER CURL STYLER - Gillette, new, \$9; tour-a-bed, \$10; baby bouncer, \$7; TV table, \$3. Susan, Ext. 4207.

KLH FM-STEREO PHONO - model 20,

# S U P P L E M E N T

Volume 33 - Number 18

May 4, 1979

## 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

**CALVERTON** - 3 bedrm ranch, 1/2 acre wooded, partially fenced, Franklin stove, full bsmt, oil/baseboard heat, low taxes, assume mtg, dead-end st, 5 yrs old, oak floors, carpeting. \$36,000. Joe, Ext. 7961, 727-7450.

**ROCKY POINT** - mother/daughter, main level has L/R, D/R, eik, 3 bedrms, TV rm, 1 bath; lower level has L/R, eik, 2 bedrms, 1 bath; Florida rm, decks, tool shed, gar, near beach. \$39,990. 928-2019.

**SHOREHAM NORTH** - 3 bedrm cape, fp, fin bsmt, low taxes, located in est neighborhood w/deeded beach rights on 1/2 acre, owner will hold mtg. Reduced to \$43,000. 744-5801.

**SHIRLEY** - 3 bedrm (poss 4th), 1 full + 2 half baths, L/R, D/R, eik, den w/tp & wood-burning stove, bsmt, 2-car gar, many extras, 7 mi from BNL. \$37,000. 281-0804 eves.

**WADING RIVER** - 3-4 bedrm cape, 2 baths, fp, 2 1/2 car gar, on wooded acre, Shoreham-Wading River Schools. \$59,000. 929-8377 after 6.

**CUTCHOGUE** - 2 bedrm expandable cape, 2 fp's, 1 bath, D/R, full bsmt, h/w heat, on 1 water view acre, 2 yrs old, low taxes, must sell. Asking \$52,000. Ext. 4539, 734-7307 after 6.

**MASTIC AREA** - 4 bedrm, 2 bath cape, fp, den, full bsmt, w/w all rms, 3/4 + acre all fenced, 16x36 in-ground swimming pool. \$43,000. 281-6855.

**SETAUKET** - 3 bedrm, 2 bath, ranch, lg eik, fp, central air, full bsmt, 1/2 acre w/harbor view, s/s, w/w. 2 car gar. \$78,000. Ric, Ext. 2266, 689-9210.

**MASTIC BEACH** - 3 bedrm long-line ranch, bsmt, excel cond, many extras, 7/4 or 1% mtg (Farmer's Home), terms negotiable, immediate occupancy. 281-5498.

**SHIRLEY** - Cape Cod, 4 bedrms, 2 baths, gar, corner lot, walk to bay & bridge. \$33,000. J. Carroll, Ext. 3284, 667-3909.

**YAPHANK** - 5 min from Lab, 3 bedrm custom ranch, fp, lg kit, porch, 2 baths, oversized gar, bsmt, wooded 1/2 acre, cul de sac, curbed & paved st, non-develop, excel area for children, quiet. \$43,900. Ext. 3300, 924-6977.

**LAUREL** - 7 yr old, 7 rm ranch on 1/2 acre, taxes \$900, excel school dist, beach rights, deck, fp, only 35 min from BNL. \$55,000. 298-4093.

**MILLER PLACE** - north of 25A, 6 rm custom ranch, 1 bath, full (partially fin) bsmt, oversized gar, beautifully landscaped, treed & fenced, 5 min from Cedar Beach. \$45,000. J. Ridgeway, Ext. 2452, 473-1154.

**SETAUKET** - 3 bedrm, 2 bath, ranch, lg eik, fp, central air, full bsmt, 1/2 acre w/harbor view, s/s, w/w. \$78,000. Ric, Ext. 2266, 689-9210 eves.

**ROCKY POINT** - The Tides, 70' ranch on beautiful 1/2 acre, 3 bedrms, 2 full baths, L/R, D/R, den w/tp, eik, oak floors, full bsmt, 2 patios, beach, golf, assumable 6% mtg. \$45,000. Otto, Ext. 4605, 744-6482.

**CORAM** - beautiful Tanglewood Hills cape, 6 rms, treed 1/2 acre, 2-car gar, 2 bedrm + expandable attic, SD #11, appl, gas heat. Low \$30's. Joan, Ext. 2249, 732-6421.

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

**MASTIC BEACH** - long-line ranch, 2 over-sized bedrms, cabinet-lined kit, formal D/R, den, full bsmt, baseboard heat, 1/4 acre. \$27,000. 281-5498.

**MEDFORD** - condominium, 2 bedrm town house, 1 1/2 baths, a/c, all appl, golf course, indoor-outdoor pools. \$37,900. 698-6182.

**E. PATCHOGUE** - ranch, 4 bedrms, 3 baths, paneled D/R, built in china closets, laundry rm, screened, glazed patio, back porch, gar, circular driveway, 2 lots (1 1/4 acres). \$60,000. 286-8309

**RIDGE** - 5 yr custom splanch, excel cond, 6 rms, 1/2 acre treed, redwood fenced, slate redwood patio, 1 1/2 car gar, low exist 7 3/4% mtg. \$40,000. Pat, 924-0837 after 6.

**RIDGE TOWNHOUSE** - 2 bedrms, w/w, 5 appl, central a/c, utility rm, patio. \$19,000. 924-7781.

**BROOKHAVEN HAMLET** - 3 bedrm ranch, att gar, fin bsmt w/bar & 2 fp, screened porch, new appl, beautifully landscaped near bay. 212-472-6713, 212-831-6157 after 6.

### For Rent

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

**BELLPORT** - near shopping, 3 1/2 rm apt, single person or couple, heat/water incl, 1 yr lease. \$265/mo. 286-0370 after 5.

**RIDGE** - cozy 2 bedrm house on 2 acres of wooded prop, oil/hot air heat. \$275/mo. 744-1232.

**BELLPORT** - 1 bedrm apt, unfurn, upstairs in duplex, couple or single woman. \$250/mo incl util. 286-8850.

### Wanted

**20 GAL "LOW" AQUARIUM** - w/wo stand, OK if it leaks. Ralph, Ext. 2368, 928-6654.

**HOME** - for intelligent kittens, white/gray markings, kittens' grandmother trained to do tricks. Helen, Ext. 2534.

**CHEAP COMM RECEIVER** - to pick up BBC and Canada. Ext. 3974.

**REFRIG** - sm, good cond, not frost free, reasonable for church. Claire, Ext. 3655, 281-2002.

**ARTISTS/CRAFTSPEOPLE** - for 2nd Annual Arts & Crafts sidewalk sale sponsored by the Chamber of Commerce of the Moriches. 878-9639, 878-1163.

**HOME** - for 2 yr old loving Ches Bay/Lab. Sharon, Ext. 3793, 878-2591 eves.

**PIANO** - upright preferred. 289-5235.

**BABYSITTER** - for 1 1/2 yr old while parents play tennis at BNL, weekend afternoons. Ext. 2254, 751-6404.

**SM DINGHY** - reasonable. Ralph, Ext. 2368, 928-6654.

**FURN HOUSE OR APT** - for 1 wk July/Aug, preferably close to beach. 744-2514.

**GOOD HOMES** - for playful, aoorable kittens, 3 white, 2 tiger, 8 wks old. 281-1169.

**BABYSITTER** - responsible, reliable woman for 8 mo old, my home, Mon-Fri, references. Ext. 2625, 732-8724 after 5:30.

**GM CHILD'S CAR SEAT** - good cond, 20 lb & up, reasonable. Sue, Ext. 2050.

**WHEEL BARROW** - contractor's type; hemlocks, 2-3', reasonable. Hank, Ext. 3848.

### Lost & Found

**LOST** - fine gold chain w/flower locket. Ext. 4239, 298-5138.

**LOST** - Homogenous Catalysis by Khan, Adv in Catalysis Vol X, please return to Library.

**KITE** - lost on Lab grounds, Nantucket Ace, cloth, multi-colored. Eve, Ext. 4388/3011.

### Services

**UPHOLSTERY** - Slipcovers, drapes, own material, reasonable, free estimate and pickup. Irene, Ext. 2907 (days), 736-0524.

**EXPERT TUTORING** - certified teacher, reading, math to grade 12, French, German, English, in my home. \$10/hr. 941-4328.

**ASPHALT PAVING & SEALING** - Bob, 475-4382.

**LADY FOR HOUSECLEANING** - good references. L. Gardner, 727-1931.

**LAWNS CUT** - shrubs trimmed, gardens raked, general cleanup in Mastics, Moriches, Shirley. Tim, 281-7873.

**BABYSITTING** - in my home (Manorville), mother of 2, yard, lunch, references. 727-4994.

**HOUSE CLEANING** - low weekly rates, experienced, reliable, references. 924-6655.

**TYPING** - all material, elec typewriter. Ext. 3076.

**POOLS** - above ground, pwr cleaned, vacuum & pumped, gunite & concrete only. By appt only, 821-0806.

**CLASSICAL GUITAR INSTRUCTION** - have room for a few serious students, beginning & advanced. C. Stewart, 286-9616 after 6.

**ROTOTILLING** - reasonable rates, any garden \$25 or less, sm farms slightly more. Bill, 281-7665.

**ROTOTILLING** - any size area up to 1000 sq ft only \$18. Tom, 325-1033.

**TREE WORK** - compl grounds maintenance, landscaping, deck & patio constr. K. Daley, 751-6152 eves.

**LOCKSMITHING** - residential & commercial. Joe, 862-6949.

**COSMETICS** - if you are interested in having your makeup custom blended by a licensed cosmetician, formerly of Dorianne Cosmetics, call 732-8012 after 6.

**YARDS, CELLARS, GARAGES CLEANED** - tree service, evergreen fir & spruce trees, 20"-36" tall, you dig, 2/\$7. 727-1617.

**CHILD CARE** - my home, Mt Sinai area, weekdays, referenced. 928-8465.

**ANTIQUE CARS** - avail for hire, specializing in weddings, proms. Mike, 281-3460.

**TREE REMOVAL** - rototilling, manure, topsoil, sand & gravel. Ken, 289-8212 eves.

**HOMEMADE** - pies, cakes & breads for all occasions. Joan, 399-5154.

### Classified Ad Policy

Deadline is 12 noon Monday for publication Friday of the same week.

- The Brookhaven Bulletin's classified section may be used only by active and retired Laboratory employees.
- All items for sale or rent must be the advertiser's property.
- Ads for material acquired for resale in association with a full or part-time business cannot be accepted.
- Firearms offered for sale or trade may not be brought on site.

- Ads not carried because of space restrictions will be held for publication in the next issue.
- Ads are run only once and must be resubmitted if they are to be repeated.
- Property for sale or rent cannot be accepted on this form. Special Real Estate Ad forms are available at the office of the Brookhaven Bulletin, 40 Brookhaven Avenue.

- For Sale: Autos & Auto Supplies   
  For Sale: Miscellaneous   
  Lost & Found   
  Wanted  
 For Sale: Boats & Marine Supplies   
  Car Pools   
  Services

Please print your ad below in 15 words or less using one word per block. Include name and phone number to call.


Note: The following must be completed for your ad to appear.

NAME (Please Print) .....

Employee's Signature ..... Life No. .... Ext. ....

Send to: Brookhaven Bulletin, Building 460, 40 Brookhaven Avenue (Ext. 2345).