



On a section of the construction site, some of the new people at ISABELLE who are busy helping to design and make machine components for the giant accelerator. (In foreground) Mali Afrashteh. (From left) Ed Tiagha, Frank Ascolese and Jim Wilson. —photo by Humphrey

Crick To Lecture At BNL May 23

Nobel laureate Francis Crick will present the 21st AUI Distinguished Lecture on Wednesday, May 23, beginning at 8 p.m. in Berkner Hall.

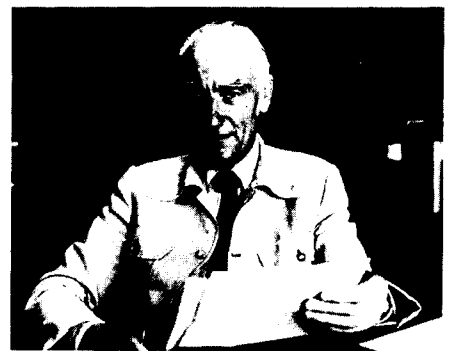
His lecture will be geared to a general audience and will be entitled "Is DNA Really a Double Helix?" It will be open to the general public as well as the Lab employees and their families, and no tickets will be needed.

Crick is expected to discuss the structure of DNA in light of the research done since the early '50s, when he and James Watson performed their trail-blazing work on the molecular structure of deoxyribonucleic acid — the carrier of heredity. Their research led, in 1953, to the discovery of the key to the genetic code: the now-famous "double helix" model of DNA structure and replication. For this extremely important work, they received the 1962 Nobel Prize for Physiology or Medicine.

The significance of their research was underscored in the citation for the Nobel Prize (which they shared with Maurice Wilkins):

"Your discovery of the molecular structure of the deoxyribonucleic acid, the substance carrying the heredity, is of utmost importance for our understanding of the most vital biological processes. Practically all the scientific disciplines in the life sciences have felt the great impact of your discovery. The formulation of double helical structure of the deoxyribonucleic acid with the specific pairing of the organic bases opens the most spectacular possibilities for the unravelling of the details of the control and transfer of genetic information."

Crick was educated in England, receiving a B.Sc. in physics in 1937 from University College, London. His doctoral work was interrupted in 1939 by the outbreak of the war. During this period he was a scientist for the British Admiralty, working on



Francis Crick

the development of magnetic and acoustic mines.

He left the admiralty in 1947 to study biology at Cambridge, working briefly at the Strangeways Research Laboratory. In 1949 he joined a Medical Research Council unit which was housed first in the Cavendish Laboratory and later at the Medical Research Council Laboratory of Molecular Biology at Cambridge. He received his Ph.D. in 1954, for research centering on X-ray diffraction studies of polypeptides and proteins.

Crick's friendship with James Watson began in 1951. Their research collaboration led in 1953 to the proposal of the double-helical structure for DNA and the replication scheme. They subsequently suggested a general theory for the structure of small viruses.

After receiving his doctorate, Crick collaborated with Sydney Brenner on genetic and biochemical studies which gave new insights into protein synthesis and the genetic code.

In 1977, Crick joined the Salk Institute for Biological Studies, in La Jolla, California, as Kieckhefer Distinguished Research Professor. He has received many awards and prizes, and is the author of numerous papers and articles on molecular biology.

Engineers Tackle The Challenge Of ISABELLE

The building of ISABELLE has attracted scientists and engineers from around the country and around the world. Of the 227 employees now on board at Project ISABELLE, 180 are in the Accelerator Division which has responsibility for the design and construction of the machine components.

About 50 engineers are currently involved in making these components which will range anywhere from small electronic circuit boards to multimillion dollar refrigerators. The engineering staff is now approaching full strength, but there will still be a considerable increase in technical staff.

We talked to a few of the engineers who are working on various segments of the accelerator, and who have joined the Lab within the last year. Everyone agrees that ISABELLE is both exciting and a challenge. The project is demanding in that the problems encountered are unique and require the stretching of each person's ability and creative powers to overcome them. With all the good brains at work in ISABELLE, it is quite likely that by the time the project is completed, many innovative engineering practices will have been added to the current body of knowledge.

Maliheh Afrashteh is an electrical engineer and computer scientist from Iran who has been in the U.S. for four years. She has a degree in electrical engineering from Pahlavi University in Iran and a B.S. in computer science from Wilkes College, Pa. She chose an engineering career because "in high school I was good at math and science, and I looked at society and decided that engineering was where the jobs were." Before she came to this decision, she spent a year at medical school but soon found that this career was not to her liking. According to Mali, women in Iran tend to go into scientific fields much more than in the U.S. For instance, she says that three-quarters of the chemical engineering students are women.

Afrashteh has been at BNL since last September and, with two other engineers, works on cryogenic instrumentation. This means instrumentation that will work in temperatures close to absolute zero. She will do some of the electrical instrumentation for cryogenic control, including a distributed microprocessor based computer system, which will monitor and control temperature, pressure, voltage drops, fuel rates, etc., in the compressor room, refrigerator room, and around the ring. The extreme cold is, of course, the challenge. At these low temperatures, "most materials are brittle, thermodynamic properties are dif-

ferent and you can't count on many formulas written for normal temperatures." Despite the scarcity of data in this field, the group expects to find ways to make efficient instrumentation and, at the same time, stay within budget.

Maliheh left Iran in 1975 to come with her husband to Wilkes College, Pa., where he is a professor of engineering. They have a three-year old son. Because of their careers, they do considerable traveling between New York and Pennsylvania on weekends.

James Wilson is a chemical engineer by degree, and a mechanical engineer by vocation. At ISABELLE, he works on the mechanical and vacuum aspects of magnet design with the Injector-Ejector group. For 24 years he was a research engineer, mainly involved with materials, at Oak Ridge National Laboratory.

This experience will be valuable because his particular problem right now, he says, "is to take a 6-foot piece of metal foil, almost as thin as Reynolds wrap, keep it straight, let it survive at high vacuum, to 300° C, and have it carry several thousand amperes for a millisecond." This is the current conductor of a septum magnet and, ordinarily, it is made with a thicker foil. But that will not be good enough for ISABELLE. Wilson says that this is a fairly critical part of the system, because when something goes wrong with the beam in the machine and they want to extract it, this is the magnet it has to go through. Finding the right material and the way to do it is a challenge, he says, but for ISABELLE, "we have to do everything better."

Wilson came to the Lab in February and for the past four years was with the Electric Boat Co. and Morrison-Knudsen at West Milton, N.Y. He also taught metallurgy at Lafayette College.

He finds Brookhaven "very pleasant" and the people friendly — "I'm running an experiment downstairs and all the equipment is borrowed, every nickel's worth." A boating and swimming enthusiast, Wilson looks forward to the Long Island summer.

Edward Tiagha comes from Cameroon in West Africa. His decision to become an engineer was influenced by an American engineer in the Peace Corps whom he came to know in his home country. He arrived in the U.S. in September 1967 and, since that time, has obtained a B.S.E.E. from CCNY and a master's degree in electrical engineering from New York University. He is currently working on a doctorate in industrial engineering at Columbia. He also worked for five years at Fairchild Camera in Syosset.

Tiagha is with the electrical components group. His subsection is responsible for the power supply systems for ISABELLE. Right now, his particular project is to develop a current transducer, or transformer, which accurately monitors the current. Because of the special requirements of the ISABELLE magnets, the power supply has to be just right — no more, no less. Although such a device is currently available on the market, it is too expensive and ISABELLE is going to need about 800 of them. It is Tiagha's job to bring in a device which will do the job and cost considerably less. When this is done, he expects to work on switching power supplies.

He is pleased that he is working on this particular project. "The atmosphere is relaxed here," he says, "and we are allowed to be creative. I love ISABELLE and hope to see her through to accomplishment." Tiagha and his wife live in Elmont and he commutes to BNL. His daily trip will be easier soon as he expects to be one of the first passengers on the TRANSVAN from that area.

For **Francis Ascolese** it is his second association with Brookhaven. Twenty years ago, he worked for a company, High Voltage Engineering, that built the Tandem Van de Graaff. He is intrigued that during this time he has seen the energies go from 10 million electron volts, which was considered phenomenal at that time, to the 400 × 400 billion envisaged for ISABELLE.

Ascolese is Technical Liaison Officer for the project. As such, he helps to define requirements and investigates prospective vendors to make sure they can really handle a proposed contract. "It is not good to have a man with a factory grossing \$80 million, bidding against someone in a garage with a brother-in-law and a torch," he says. To make sure that vendors can do what they describe, Ascolese spends a considerable portion of his time visiting their plants.

He is versed in both the technical aspects of the project and in contract administration. Before he came to Brookhaven last August, he had spent the previous nine years at Fermilab doing essentially the same thing he is doing here. "I just like to be involved in building accelerators," he says. Ascolese, who has a background in physics, has also worked in the aerospace industry and taught at a prep school in Boston.

He has just bought a house in East Patchogue and is happy to be on Long Island. Having spent most of his life in the northeast, he is glad to be near the water once more.

Refit Your Home: How To, Where To

"Think of your home as a boat," advises Dick Krajewski, systems engineer in DEE, "and insulate as though you were sealing it up watertight." Krajewski agrees with BNL solar architect Ralph Jones who in last week's article "R is for Resistance," stressed the importance of sealing all openings in the outer skin of the building envelope.

To accomplish this, Krajewski suggests homeowners take a close look at their homes. Notice any gaps in the structure which may be caused by exterior light fixtures, electric receptacles, dryer vents or window boxes. Check points at which the home's sheathing overlaps the foundation; "use your imagination," said Krajewski. By caulking and/or weatherstripping points where gaps exist, homeowners will find that these fairly inexpensive measures will go a long way toward making their present insulation work better, simply by keeping air out.

If a homeowner determines that additional insulation is required in his or her attic, "meticulous placement," says Krajewski is very important. Again, by preventing drafts from blowing into the insulation (from gaps in the rafters, for example), its full R value will be realized.

Reducing Heat Loss

Prevent convection in the insulation, Krajewski advises, by blocking the ends of the fiberglass batts and covering over the insulation with ordinary Kraft paper. This impedes downward air movement, yet permits the circulation of air in the attic necessary to remove moisture. It is imperative that insulation be covered in a way that obstructs wind but allows vapor movement. The attic, he said, can be a big heat loser — but blocking the ends of insulation batts and papering over it will greatly reduce insulation degrading caused by convection.

Another source of considerable heat loss is the basement, especially if it is finished, heated and used as living space. The concrete floor and walls have poor insulating qualities. Rigid foam products provide good insulation for basement walls when used with the recommended ½ inch of gypsum board (applied over the rigid foam) as a fire barrier. Rigid foam, never to be used without a fire barrier, can also be used in a finished attic. Rigid foam insulation is more expensive than fiberglass but provides a higher R value than an equal thickness of fiberglass. Both types of insulation may be installed by the homeowner with little difficulty.

Tactics

After implementing these methods of refitting, or upgrading a home's current insulation, "operating strategies" may then be tried to further reduce heating costs. One such strategy is to take full advantage of the solar heat gain from all south-facing windows. During the day, window shades should be adjusted to permit all available insolation from these windows to enter the home, even if overheating of a room occurs. "To eliminate this," says Krajewski, "use circulating fans so that heat from hotspots moves into cooler areas." In the evening, heat gained from the sun and stored in the structural mass will be released gradually.

During the heating season, keep north-facing windows closed up — night and day. "They are always heat losers," Krajewski notes. Occupants can, however, permit the sun to enter the home by east-facing windows in the morning and shutter them in the afternoon while opening up west-facing windows in the afternoon keeping these shuttered in the morning. And, double glazed windows (two panes of glass with air trapped between them) are net heat gainers when installed on east, west and south facing windows.

Another tactic to try is night temperature set-back. Each homeowner must answer the question how much and for how long to set his or her thermostat back for himself. Krajewski points out that the average ratio between daylight and nighttime heating degree hours is about 2:1. This means that a furnace will burn approximately twice the amount of fuel at night as during the day to heat the home to the same temperature. Reducing the thermostat setting at night therefore can provide important savings. Another way to reduce



—from the cover of the HUD booklet,
"Money Saved... or Up the Chimney."

the amount of time your oil burner is in use at night? "Invest in an electric blanket," suggests Krajewski, "they can return a marvelous savings by heating only what's necessary at night — one's body — and not the entire house."

For health reasons, however, a home's thermostat should not be set lower than 55° F; hypothermia (the inability to maintain normal body temperature) can occur and, especially among the elderly, may result in death.

Major Changes

Finally, among the most radical refitting a home can undergo is an increase in the amount of southfacing glass in its structure. Another alternative is to circulate heat derived from a greenhouse attached to the home. Re-insulating walls is expensive, says Krajewski and when the above suggestions have been put into use in the home, it may be unnecessary.

Engineers and architects acknowledge that homes sealed tightly in an effort to prevent heat-loss may not be acceptable to the occupant. They know that a home requires ventilation. "But we must change the way the occupant views his house," Krajewski notes, "now, he or she may be at the mercy of the elements and uncontrolled ventilation. If homeowners tightly seal and insulate their homes, ventilation will occur only when and to the extent that the occupant chooses." Those requiring ventilation can consider a low-cost heat exchanger which transfers heat in air exhausted from the house to incoming fresh air. The unit, which looks like a window air conditioner, has had some use in Japan and is now being introduced in the U.S.

(A booklet prepared by the Department of Housing and Urban Development entitled, "Money Saved... or up the Chimney," is available for a small charge by writing to HUD, 451 7th Street Southwest, Washington, D.C. 20410, Rm. 8164, Attention: Division of Energy, Building Technology and Standards. It explains in workbook style what steps homeowners can take to better insulate and refit their homes.)

Upton Nursery School

Children of persons employed on the BNL site are fortunate in having the Upton Nursery School available to them. General information sheets, which give a brief overview of the school are currently available in the cafeteria, bank and recreation building. Registration forms, which must be used to enroll children for the 1979/80 school year, will be available in the same locations beginning Monday, May 14. Two classes of three-year-olds and two of four-year-olds are planned. Places in the classes are very limited; parents should not delay in submitting the registration forms. The enrollment chairwoman, Mrs. Marie Murtagh (821-9587), or the orientation representative, Mrs. Susan Kossiakoff (929-6942), will be happy to answer questions if necessary.

Notice

It apparently bears repeating that the ISABELLE construction site is off limits to all employees who do not have official business there. And there are still some runners who do not seem to be aware that this area is out of bounds for their activities. For safety's sake, please leave this site to the construction workers.

TRANSVAN Update

Three new TRANSVANS are likely to start on their appointed rounds within a week. From the areas selected for the pilot program, 24 employees indicated they wished to be drivers. Some were disqualified because their driving records were not good enough. From remaining applications, three drivers and backup drivers were selected by lottery. They are:

Patchogue: John L. Barry, Jr. (P.E.) — backup, John Scharpeger (S&M).

Stony Brook: Paul Mohn (Isabelle) — backup, James Vance (Staff Services).

Nassau, Queens: Frederick Williams (P.E.) — backup, Cecil Charles (P.E.).

Each driver has been given a list of the employees who wish to participate and as he is familiar with his area, he will select the passengers. Among other things, the drivers will be responsible for designing the routes, keeping the vans filled and collecting the fares. As the pilot program is experimental and changes in passengers and fares are likely, payroll deduction will not be available during this period.

Plan Now For August Exhibit

A BERA crafts exhibit will open Thursday, August 2 and will remain in Berkner Hall for two weeks. The Art Committee hopes that given advance notice, BNL crafts people will prepare or select items for display in August. All work is for exhibit only and will not be on sale.

All BERA members including employees, related family 16 years of age and over and retirees are invited to contribute their work to this exhibit.

The Art Committee hopes crafts will be demonstrated at the opening from 5 p.m. to 7:30 p.m. and daily during the show from noon to 1 p.m. Those who wish to volunteer for these time periods should contact Ginnie Sayre, Ext. 3327. Due to the increased number of artists and crafts people at the Lab, the Committee elected to hold separate shows this year and will accept no fine art or sculpture for this exhibit. Craft work should be original in design and executed by the exhibitor. Submitted work made from a kit should be identified as such.

Stony Brook Events

Friday, May 18

Annual Moonlight Cruise: Call 246-7780 for details

Tuesday, May 22

Dinner and Discussion: Robert Liebert, "Media Violence: A 10-Year Perspective," 7 p.m., Three Village Inn, Stony Brook. \$12.50 per person, \$24 per couple. Reservations necessary. Contact 246-6559 for information.

Saturday, May 26

Children's Theatre: "Cinderella," Stony Brook Union Auditorium, 2 p.m., today, tomorrow and June 3. 8 p.m., June 1 & 2. Donation: \$2, group rates available. Call 585-1868 for ticket information.

Reactor Delegation From China



A delegation of six scientists from the Academia Sinica, People's Republic of China, visited the Laboratory for three days late last month. Brookhaven was their first stop on a tour of U.S. laboratories to investigate research reactors and to study at first hand the research in progress. At the High Flux Beam Reactor, Y.Y. Chu (right) Chemistry Dept., showed them TRISTAN, the isotope separator facility which has been installed on the experimental floor. —photo by Humphrey

Soc. Sec. Mix-Up

In the February 9th issue of the Brookhaven Bulletin, an article appeared about checking up on your Social Security earning record. A number of employees mailed the necessary postcard to the Social Security Administration (SSA) and have received a response. To date, approximately 15 people have called the Payroll Section to advise that their 1977 Social Security record was incorrect. In every case, it appears that the second quarter Social Security earnings were not credited by the SSA to BNL employee earnings records.

Maurice DuBois, the Payroll Supervisor, has written the Social Security Administration to have this error corrected for all BNL employees, to eliminate the necessity of each person advising the Social Security Administration of the error. Should some other procedure be required by the SSA, employees will be so advised.

Service Awards

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

Thirty Years

Irving L. Feigenbaum.....Physics
A. Peter Irsa.....Chemistry
Edward derMateosian.....Physics
Dorothy S. Pollock.....Chemistry
Mary Sowiak.....Supply & Materiel

Twenty Years

Emil J. Caiazza....Photog. & Graphic Arts
Richard J. Durose.....Medical
Paul J. Klotz.....Energy & Environment
Robert B. Marr.....Applied Math.
Eugene C. Mohlmann.....Contracts & Procurement

Ten Years

Louis J. Addressi.....Accelerator
Patricia F. Bernier.....Medical
Helena M. Keeley.....Accelerator
George E. Malcolm.....Adm. Systems & Data Proc.
James R. Sanford.....Director's Office (ISABELLE Project)
Mary E. Cuthbert.....Nuclear Energy

Arrivals & Departures

Arrivals

Peter L. Boyle.....Plant Engrg.
Kathleen M. Brown.....Energy & Env.
Harriet D. Evans.....Director's Ofc.
Charles Spataro.....Accelerator
Shang-Lin Weng.....Physics

Departures

Jean S. Burt.....Nuclear Energy
Mark W. Grossman.....Accelerator
Harvey Rock.....Central Shops
Gordon Stubbings.....Accelerator
Earl L. Vessup.....Personnel

By using heat treated glass ceramic dishes to do your oven cooking you'll be able to cook at oven temperature settings as much as 25 degrees lower than those required for cooking similar items in metal pans.

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Tea, Sherry and "A Touch of Nature"

A Spring Tea and Sherry Party will be given by the BNL Hospitality Committee on Thursday, May 24 in Brookhaven Center from 3:30 to 5:30 p.m. All women employees with their supervisor's permission and wives of employees are invited to attend the party.

The theme of the party is "A Touch of Nature" and will feature an exhibit of various indoor plants. In addition, how to make silk flowers, macrame plant holders, sand-design terrariums and cake decorating will also be demonstrated. Tea, sherry and coffee and assorted dips and fresh vegetables will be served.

Babysitting will be available free of charge in the gym. Please bring a car bed or playpen for very young children and a toy with the child's name written on it for him or her to play with. Anyone with an exotic or unusual plant to lend the Committee to exhibit at the Tea should contact either Jane Love, 286-1136 or Dot Marelli, Ext. 2113.

R/C Aircraft Club

There will be a meeting of the R/C Model Aircraft Club Tuesday, May 15 at noon, Berkner Hall Room D. Dues will be collected at that time. Also, membership cards will be distributed.

The flying field is in shape. It is fairly level and well packed. Anyone coming down to watch should walk along the east tree line to approach the pit area and avoid the middle of the road as this is the landing approach area.

Everyone is invited to come to the field at lunch time to watch the members fly their airplanes. Any questions about the club should be directed to Bob Larson, Ext. 4656 or Jim Durnan, Ext. 2485.

Answers to last week's puzzle

1	S	A	G	4	S	I	S	A	L	8	B	E	A	M		
2	A	G	U	A	15	T	O	O	L	E	10	A	L	T	O	
3	F	U	E	L	C	O	N	S	U	M	P	T	I	O	N	
5	R	E	S	I	L	E	21	S	L	U	R	22	A	M	O	
6	T	E	E	N	S	23	A	F	O	24	G					
7	H	U	H	25	A	N	O	S	30	S	O	I	R	E	E	
8	E	B	O	26	R	E	E	P	31	F	L	I	N	T		
9	R	O	U	T	32	R	H	O	M	33	A	D	A	H		
10	B	A	S	I	C	34	V	E	A	L	35	E	C	O		
11	S	T	E	N	O	S	36	E	L	S	E	37	S	T	S	
12							38	A	C	I	39	T	E	A	C	H
13	E	G	O	40	O	N	E	O	41	M	R	H	A	E	G	
14	G	A	R	B	A	G	E	T	O	E	N	E	R	G	Y	
15	G	I	N	A	42	E	T	H	A	N	43	R	E	A	M	
16	S	T	E	M	44	R	O	O	S	45	R	D	S			

Commemorative Trees

Trees donated by George Redzinak were planted on-site last month in memory of Redzinak's wife, Joan, a Senior Administrative Assistant, DNE, who died on December 31, 1978. Two dogwood, one crab-apple and one Colorado spruce were planted in a section of land to the east of the cafeteria, near the library.

Tutorial Classes

A mathematics indoctrination course will be conducted in the Technician Tutorial Classroom in Building 179. The course will run through the summer and is designed for employees who will take a college technical mathematics course in the fall and who need to review basic mathematics in preparation. Class will meet during working hours. Each student must have his or her supervisor's permission to attend. Call Robert D'Angio, Personnel, Ext. 2878 for information.

Cafeteria Menu

Week Ending May 18, 1979

Monday, May 14	
Corn chowder	(cup) .30
	(bowl) .40
Hungarian goulash	1.45
Scrambled eggs, sausage & fr. fr.	1.15
Hot Deli - Turkey	(on bread) 1.30
	(on roll) 1.40
Tuesday, May 15	
Beef noodle soup	(cup) .30
	(bowl) .40
Knockwurst & sauerkraut	1.25
Roast chicken w/stuffing & 1 veg	1.35
Hot Deli - Eggplant parmigiana	1.30
Wednesday, May 16	
Cream of potato soup	(cup) .30
	(bowl) .40
Braised meatballs à la mode	1.35
w/buttered noodles	1.40
Broiled filet & fr. fr.	1.40
Hot Deli - Roast beef	(on bread) 1.30
	(on roll) 1.40
Thursday, May 17	
Chicken vegetable soup	(cup) .30
	(bowl) .40
Cheese ravioli & 1 veg.	1.10
Beef hash	1.25
Hot Deli - Grilled Reuben	1.30
Friday, May 18	
Fish chowder	(cup) .40
	(bowl) .50
Spaghetti w/clam sauce	1.15
Breaded pork chop & 1 veg.	1.50
Hot Deli - Smoked	1.30
baked ham	(on bread) 1.30
	(on roll) 1.40
Saga Foods	

Last Chance

If you have been on the fence as to whether you should apply to the Craft Apprenticeship Training Program, get off it, because only two weeks remain before the May 25 deadline. So far, the Personnel Office has received 25 applications for the four openings in air conditioning and refrigeration, cabinet making and the electrical trade. They will be glad to accept more. If you meet the eligibility requirements and have a desire to learn a trade, don't let this opportunity go by.

"Enter Laughing" At Berkner Tonight



"Be there!" - that's what Mr. Foreman (Gus Basile) seems to be telling Marvin (Ron Ruth) in this scene from "Enter Laughing" which opens tonight at 8:30. The Theatre Group will present the play tomorrow evening and again on May 12 and 13. Tickets are available at the door or can be reserved by calling Liz Russell, Ext. 3940. They are \$3 for adults and \$2 for senior citizens and students under 18.

—photo by Humphrey

Tennis

Tennis players are now coming out in force. The Tennis Committee announces that the reservation system will take effect Monday, June 4. Under the rules for court use, which are posted at courtside and in the BERA Sales Office, three of the courts may be reserved the day before play (i.e. June 1 for opening day). The remaining three courts are available on a first come-first-served basis by signing a blackboard at courtside at the time of play. Players are reminded about the following order of priority for play:

1. Lab employees, including Visiting and Guest appointees.
2. Lab employees playing with family members or personal guests.
3. Immediate family members of Lab employees.
4. Personal guests of Lab employees.

The Long Island industrial tennis league will begin its season next week. The Lab has entered a men's team in recent years. Interested players are invited to call Andy Kevey (Ext. 2424) or Ed Platner (Ext. 3922).

The tennis ladders will get under way shortly. Traditionally, men's and women's singles ladders have been offered and players are reminded that they may sign up at any time at the BERA Sales Office. If there is sufficient interest, doubles ladders (including mixed) will be organized. Interested doubles players - call Georgia Irving (Ext. 2085).

Basketball

All participants in this past year's BERA Basketball League are invited to attend a player's party to be held at the Recreation Building on Friday, May 18, at 5:15 p.m.

roll-off for the Green League Championship.

Pink League

The Lickety Splits are league champions having taken both halves of the season. Congratulations to Pat Castleman, Marie Grahn, Helen Keeley and Mary Grace Meier. Sweepstakes winners were Marie Grahn 617, Audrey Blake 613 and Renie Rosati 596.

Red League

Congratulations to the 76'ers, Red League champs for this year. Congrats also to T. Holmquist, H. Frei, E. Sperry and R. Larsen for being winners in the annual sweeps pot.

The 76'ers split 5½ - 5½ with the This Isa Team. M. McKenna had a 212/619 gross. R. Larsen a 226/614 gross. J. Morris a 205 game and W. Kollmer a 219. The Designers (1044 game) took the Anachems 8-3. Ed Sperry a 201/627 gross, and C. Bachsmith grossed 607.

The Sandbaggers won 7-4 over the Freon Loaders. C. Bohnenblusch a 208/609 gross. E. Meier 203, and J. Kelczewski a 199 game, 625 gross. The Old Timers lost 11 to the Cosmos. H. Frei had a 208/633 gross and R. Smol a 203/611 night.

Gold League

High games for the evening were bowled by Betty Roche 180; Kay Sherry 166; Lynn Boyd 191; Renee Flack 159; Kay Hunt 175; Lynn Tice 154; Alice Alberico 168; Kay Conkling 151; Ginny Walker 146, 193, 191/530 series and Marsha Kipperman 153, 161, 175/489 series.

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.

A \$3 deposit for the key to the tool shed is required.

Mountain Club

Last weekend's good weather was enjoyed by about twenty members of the Mountain Club who camped on the National Seashore at Watch Hill. This weekend, the Club's overnight hike to Slide Mountain starts at 10 a.m. on Saturday from Woodland Valley Campground near Phoenicia, N.Y. Contact Don David if interested in joining the hike. A meeting to discuss final plans for this weekend's hike will be held today at noon in Berkner Hall, Room A.

Next Saturday, May 19, there will be a caving trip to explore a cave near Lebanon, New Jersey. Contact Anita Swoboda, Ext. 2593 for information.

Spring Races

Registration forms for the May 20th Spring Races are now available at the following locations: the men's and women's locker rooms at the gym; lockers in the reactor building; and the bulletin board in Building 318 outside Room 37. Pre-registration is \$1.00 for adults and \$.75 for children and ends May 16th. Post-registration is \$2.00 and \$1.50, respectively and ends at 9:00 a.m. the morning of the race. The 5 Km race starts at 9:30 while the 15 Km race begins at 10:05 a.m. There will be prizes and refreshments following the race. Bring your racing shoes, lunches and families for a fun morning.

The annual Rocky Point - BNL Challenge Run (2.6 mi.) will take place on Tuesday, May 22 at 7:00 p.m. The race will start at 81 Mahogany Road, Rocky Point. Consult the bulletin boards for details.

The annual Weeple Day Race (4.7 mi) will be run on Sunday, May 27th in Belle Terre. Registration (\$1.00) will be held at 8:00 a.m. at the Belle Terre Community Center on Cliff Road for the race which starts at 9:00 a.m. For details contact Dan Cornish (Ext. 3267).

Volleyball

Division A

On April 23, Oceanography and No Names played off for the end of the Third Round and for the Championship. No Names took the Third Round: 12-15, 15-12, 15-10. The Championship also was taken by the No Names - terrific game played by all - 15-5, 15-13.

Women's Softball

It was a tight game until the 6th inning when Fadeley's Pub team (ex-Native New Yorkers) scored 5 runs. The game ended with the score 17-10 in favor of Fadeley's Pub. For BNL Ann Meier had two singles and played a super defensive game in the outfield. Sydel Lamb had a triple and a single and Susan Daugherty had two singles. BNL's next game will be against Bamboozles Pub at 5:30 Friday, May 11.

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.

LABORATORY RECRUITMENT: Opportunity for present Laboratory employees.

984. SECRETARY - Requires excellent secretarial and communications skills. Must have background in or capability to learn word processing. Safety and Environmental Protection Division.

985. CLERK TYPIST - Requires excellent typing and record keeping skills. Will type inventory records for Quality Control section. Supply and Materiel Division.

986. MATERIAL HANDLER (twelve positions) - Temporary (6/4/79-8/31/79). Supply and Materiel Division.

987. MATERIAL HANDLER - Supply and Materiel Division.

988. MESSENGER (one position) - Temporary (5/29/79-9/7/79). Staff Services Division.

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

989. ELECTRONIC TECHNICIAN - Requires AAS degree or equivalent in electronic technology with experience in construction, testing and troubleshooting of pulse and analog circuits. Familiarity with high voltage, high current power supplies desirable. Accelerator Department.

990. INDUSTRIAL HYGIENE ASSOCIATE (two position). Requires BS in physical or biological sciences and significant work experience in industrial hygiene. Will work with team of professionals in developing a national advisory program recommending controls for emerging energy technologies. Safety and Environmental Protection Division.

991. COMPUTER SCIENCE ANALYST - Requires BS in physics, math, or computer science or equivalent working knowledge of Fortran and graphics. Experience with interactive computing systems is useful. Department of Nuclear Energy.

992. OFFICE SERVICES ASSISTANT - Temporary, part-time. Requires ability to accurately type and file correspondence and library record forms. Will work with cataloging department. Technical Information Division.

993. EXPERIMENTAL MACHINIST (two positions) - Experienced all-round machinist for non-production work in research and development shop. Project assignments from raw material to final assembly, with demonstrated ability and imagination in all phases of machine shop work. Experience in job print interpretation, layout and machine set up required. Central Shops Division.

Autos & Auto Supplies

PLYMOUTH ENG - 225-6 cyl, good for rebuilding. \$50. 727-7304.

74 MGB - excel cond. \$3000. 727-6613 days, 369-4705 nights.

TIRES - 2 brand new E78-14 b/w on wheels balanced for Ford. \$75. Ext. 4848.

68 BUICK RIVIERA - runs well, needs paint & tuneup. \$500. 727-9058.

68 FORD LTD WGN - 10 psgr, ps/pb, rack, 390 eng, runs well, some rust. \$350. Ext. 3300, 924-6977.

74 CHEVY MONTE CARLO - 350 V8, a/t, ps/pb, a/c, reg gas, brown/white landau, radials, excel cond. \$2800. Frank, 3898, 799-4896 eves.

TIRE - 12" snow, 4 ply, new, fits Honda, Fiat, etc. \$10. Ron, Ext. 3300, 924-6977.

74 CHARGER - ps/pb, a/c, AM/FM cass, moon roof, 60,000 mi, excel cond. \$2100. Steve, 929-6414.

75 CHEVY CAPRICE - 4 dr, new radials, 350 V8, fully loaded, new brakes, 51,000 mi. \$2200 firm. 924-4262.

69 CADDY - 4 dr, all pwr, good cond. Asking \$400. 588-4116 after 5.

78 FORD PICKUP - 3/4 ton, 351 eng, p/s, 4 spd, AM/FM cass, w/cap, excel cond. Asking \$5800. 588-4116 after 5.

71 TOYOTA - batt, brakes, tune-up & a/t all recent, AM/FM, good tires, poor body. Asking \$350. Terry, 281-0360.

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

70 FORD GALAXIE WGN - new exhaust, trans, ps/pb, a/c, excel running cond. \$300. Dan, 399-5429.

71 FORD PICKUP - 6' bed, a/t, 6 cyl, r/h, new tires, batt & shocks, low mi, economical. \$1150. Lou, Ext. 4615.

68 TOYOTA COROLLA - very reliable, good running cond, 35 mpg. \$350. Meyers, Ext. 4357, 286-8379.

71 GMC PICKUP - 3/4 ton, ps/pb, new tires & 2 snows. \$950. 281-8016.

67 FORD STA WGN - V8, good cond. \$300. 281-6191.

64 INTERNATIONAL STEP-VAN - alum, sink, stove, gas heat, head, dbl bed. \$700. Carter, Ext. 4445.

ENGINE - 69 Chevy 427/435 hp compl, Holly 850, Edlebrock Highrise, 10 qt oil pan. \$600. Lou, Ext. 2012.

76 KAWASAKI KZ400 - bought new in 77, king/queen custom seat, new batt, 1400 mi. \$900. Eves 661-3574, 698-4516.

75 CHEVY STA WGN - 9 psgr Malibu Classic, a/c, a/t, p/b, 57,000 mi, very good cond. \$2575, will bargain. Ext. 4033, 727-5532.

2 CHEVY TRUCK RIMS - 5-lug w/hubcaps, \$15; 67 VW rear window, \$10. Ext. 2416, 265-5218.

77 TOYOTA COROLLA - gas saver, 5 spd, AM/FM, radials, 36,000 mi, yellow, 34 mpg, good cond. Ext. 2022, 283-6732.

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

RADIAL TIRES - 2 Sears Roadhandler GR78-14, steel belted, slightly used. \$60 ea. Hans, Ext. 4581, 281-5563.

71 YAMAHA - 350 cc, good cond, new seat, batt, just tuned. \$375. 363-7032.

75 FORD ELITE - dk brown, 54,000 mi a/c, excel. \$3200. Paul, Ext. 2023, 727-1464.

VAN MATTRESS - foam queen size, 5" thick, triple density, 5 mos used. Asking \$40. 281-6462.

TIRES - 2 Firestone Town & Country snows, used 2 winters, for a Datsun, A78-13. \$24. Lou, Ext. 2012.

HUBCAPS - set of 4 fancy GM 14", \$12; set of 4 new 13" "baby moons," \$6; set of 4 VW caps, 15", \$6. Frank, Ext. 2022.

71 PLYMOUTH VALIANT - V6, 4 dr, a/t, ps/pb, 76,000 mi, good cond. \$900. Mizoo, Ext. 2528/2119, 744-1758 eves.

68 BUICK LESABRE - good running. \$250. H. Rhodus, Ext. 3284, 924-3522.

ENGINE - 230 Chevy, 6 cyl, needs work. Best offer. 289-0687 after 5.

77 CAMARO - 305-V8, ps/pb, a/t, a/c, AM/FM 8 trk stereo, maroon/white int. \$4500. Kerry, Ext. 3696, 286-9067 eves.

73 DODGE SWINGER - 2 dr, a/c, AM/FM stereo cass, a/t, p/s, new tires, excel. \$1850. Bonnie, Ext. 2921.

PONTIAC SHOP MANUAL - 1964-63. \$10. Walt, Ext. 2913/2907, 698-0576.

70 OPEL KADETT - many new parts, needs work, new batt, recent clutch, gen, 2 new tires. \$150. Frank, Ext. 3898, 799-4896 eves.

TIRES - 800x16.5, 4 good spares. \$25/all. Vinny, Ext. 4285.

LATE 77 TRANS-AM - 28,000 mi, 18 mpg, T/A 6.6 litre eng, ps/pb, p/w, 4 spd, excel cond, must sell. \$6500. 472-1540.

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

67 CHEVY IMPALA - 2 dr hdt, a set of running wheels. Make an offer. 286-2319.

66 DODGE CORONET - owner leaving, must sell, new trans, muff, perf running cond. \$300. 744-2514.

78 SUBARU BRATT - 4 w/d, a/c, fully equipped. \$4500. Terry, 878-2396.

78 PONTIAC PHOENIX - lt blue, V6, a/t, a/c, ps/pb, AM/FM 8 trk w/w radials, more, high mpg, showrm cond. \$4600. Ext. 3860, 698-5298.

71 PLYMOUTH FURY - new brakes, water pump, alt, batt, trailer hitch, tape player, good tires. \$475. Steve, Ext. 4068, 473-4982.

69 MGB GT - white, eng good, wire wheels, blk leather, instrumentation compl. \$825. Gar, Ext. 4387.

77 PLYMOUTH VOLARE STA WGN - 6 cyl, std-over-drive, good mi, CB-FMST, new tires. \$3400. Owen, Ext. 2599, 821-0599.

72 BUICK LESABRE CUSTOM - 4 dr, vinyl hdt, ps/pb, a/c, AM/FM stereo, high mi, very clean, extra rim & snows. \$550. Ext. 2107.

73 CHEVY WAGON - all equip, excel in & out, 6 tires. Ext. 3326, 286-0497.

69 CHEVY STA WGN - ps/pb, new batt, running cond, some rust. \$300. R.M. Brown, 286-1214.

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

64 CHRYSLER NEW YORKER - 4 dr hdt, good transportation. \$325. 286-2319.

Boats & Marine Supplies

22' FIBERGLASS SLOOP - sleeps 5, pop-top, roller, jib, 15 hp Johnson, sail away. \$3750. Ext. 7730, 286-8097.

31' SEAFARER SLOOP - 1972, documented, wheel, inboard, VHF, etc. Asking \$16,000. 744-5573.

115 HP MERCURY - 1977, w/pwr trim, controls & tank. \$1700. Ext. 3284.

21' CLIPPER - fiberglass swing-keel sloop, sleeps 4, trailer, outboard, head, extras. \$3100. Ext. 3855, 286-2282 eves.

31' ULRICHSON - FB, DF, CB, full canvas, 238 hp Gray marine, many extras, good family cruiser. 499-1989.

CLAM BOAT - 1952, 31' Chris Craft, inboard Volvo eng, new Cooper bottom, all new equipment, longs, compass, life jacket, 2-6 gal gas tanks. 475-8414 after 9 p.m.

SUNFISH - w/trailer, excel cond. \$600. Pat, Ext. 4432, 929-6003 p.m.

SAILBOAT - Snark Mayflower, can be used as row-boat or w/motor, many extras, cartop-able. 586-5418.

27' OWENS CRUISER - dbl planked, twin 6's, full canvas, galley, head, dinette, DF, CB, sleeps 4, in water. Best offer. 226-9325.

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

16' FIBERGLASS - 1974, w/trailer, all Coast Guard gear, no motor, must sell. 475-8724.

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

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

14' FLAT BOTTOM - w/T, was used for clamming. \$350. Peter, 286-0158.

24' ZOBEL SEAFOX - 6 cyl inboard, must sell. \$300. Ext. 4126, 281-4437.

18' CHRIS CRAFT - full canvas, 60 hp Evinrude, trailer, extras (all 1964), excel. \$975. Nick, Ext. 4701.

PARTS - for old 40 hp Scott Attwater, 1960, 75 hp Evinrude & 65 hp DR Merc parts. Vinny, Ext. 4285.

16' SKIFF - used 1 season, wood, glassed seams, nice lines. 25 hp Evinrude. \$750. 286-3509, 286-8542.

2-5 1/2" BOAT CLEATS - new. \$2.50 ea. Gordon, Ext. 3823.

1972 WELLCRAFT V-20 - 165 1/O, CB, FF, new canvas, new seats, super rough sea boat. Best offer over \$4500. Owen, Ext. 2599, 821-0599.

1978 OUTBOARD - 20 hp w/controls, still under guarantee. Budd, 286-0626.

12' KINGFISHER - 1977, centerboard fiberglass sloop, trailer. \$1050. Ext. 4232, 286-3285.

75 OUTBOARD MOTOR - British Seagull, 5 hp, excel cond. Rich, Ext. 3573, eves 938-6251.

Miscellaneous

BABY CRIB - gd cond. \$5; chest of drawers, old, oak. \$8. Ext. 3300, 924-6977.

25' SOUTHWIND MOTOR HOME - 1977, 10,000 mi, fully equipped, sleeps 6. 924-3749.

GRANITE - 2 tons white, blk & white, some pink, all or part. 924-3553.

FREE - damaged TV & good FM antenna, you take away. Claire, Ext. 3655, 281-2002.

BATHRM SECURITY RAILS - for flat-rimmed tub, \$10; toilet guard, \$10. Connie, Ext. 2263.

GAS DRYER - 7 cu ft Kenmore, used 2 yrs, \$95; rugs, 9x12 orange, \$20; yellow, \$45. 928-8465.

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

SETAUKET - 3 bedrms, 2 baths, 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.

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.

ROCKY POINT - The Tides, 70' ranch on beautiful 1/2 acre, 3 bedrms, 2 full baths, L/R, D/R, den w/fp, eik, oak floors, full bsmt, 2 patios, beach, golf, assumable 6% mtg. \$45,000. Otto, Ext. 4665, 744-6482.

EAST 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.

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.

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

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.

YAPHANK AREA - 5 min from Lab, 3 bedrm custom ranch, fp, 12x18 kit, 12x22 L/R, 2 porches, 2 baths, 1 1/4 gar, bsmt, 1/2 acre wooded cul-de-sac, curbed & paved st, non develop, excel area for children. \$45,000. Ext. 3300, 924-6977.

EAST PATCHOGUE - S. of S. Country Rd, .68 acre heavily treed, A-1 cond, charming smaller home, fp, all appl, w/w, s/s, city water, new cesspool, lg screened porch, fin bsmt, extras. Low 50's. 286-3580.

LOWER SULLIVAN COUNTY - summer cottage, lake & pool, 3 bedrms, 2 baths, 2 porches. Asking \$18,500. (914) 834-9228.

MILLER PLACE, NORTH - wooded, native laurel, dog-wood, rhododendron, custom ranch, 3 bedrms, gourmet kit, full bsmt, low taxes, energy efficient, easy maint. Assume 7 1/2% mtg, \$53,900. Spaulding, 473-3305.

PT JEFF STA - 4-5 bedrm splanh, fam rm w/fp, 2 1/2 baths, detached gar & 1/2 w/workshop, lg eik, re-insulated, partially fin bsmt, new stockade fence. \$36,500. Ron, Ext. 3162, 473-6862.

SHOREHAM - ranch on wooded, fenced 1/2 acre, 3 bedrms, 2 baths, central a/c, Shoreham/Wading River School Dist, taxes only \$1200. Asking \$42,000. 744-9610.

MORICHES - 1/2 acre wooded, prvt beach & marina w/ramp, excel location, terms avail. \$16,500. 878-1912 after 6.

SELDEN - splanh, 4 bedrms, 2 + baths, bsmt, fp, office, mint, low taxes. Low 30 or rent while buy, \$350. Ext. 2546.

MASTIC BEACH - mother-daughter 6 down - 5 up, 2 baths, full bsmt, porches, baseboard heat, 1/4 acre, low taxes, close to shopping & beach. Low 30's. 281-6191.

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

PATCHOGUE - 3 bedrm multi-level home, mint cond, central air, prime area. Reduced to \$58,500 asking price. J.Dilg, Ext. 4636, 929-6387.

SAYVILLE - 3 bedrm ranch, L/R, D/R, eik, fin bsmt w/wet bar, all appl, w/w, s/s, 2-zone heating, gar, 1/4 acre. \$45,000. 589-8281.

WESTCHESTER COUNTY - Larchmont co-op, lg bedrm, walk to RR. \$42,990. (914) 834-9228.

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

PECONIC - secluded, wooded, near LI Sound, 1 bedrm bungalow w/heat & bsmt, room for addition, low taxes, 2 mi from marina. Ext. 4220, 473-4558 after 6.

MASTIC BEACH - 156x100 corner prop, 7 rm ranch, fin bsmt, oversize gar, screened patio, bath & 1/2, 1 mi from water, owner leaving state, \$1125 taxes. \$34,500, 6% mtg. 281-4794.

MASTIC BEACH - beautiful 4 bedrm cape, corner lot, fenced, eik, full bsmt, s/s, shed, patio, gar, landscaped, must sell, VA approved. No money down, \$26,700. Ext. 4278.

EAST PATCHOGUE, SOUTH - your own "private park" heavily treed, fenced 3/4 acre, fp, w/w, s/s, eik, D/R, paneled L/R, 2 bedrms, fin bsmt, laundry rm, huge gar & screened porch, decent taxes. 286-3580.

CORAM - beautiful Tanglewood cape, treed 1/2 acre, 2 car gar, 2 bedrms + expandable attic, SD #11, appl, gas heat, 7% assumable. Low 30's. Joan, Ext. 2249, 732-6421.

LAKE GROVE - 4 bedrms, lg L/R, eik, wood deck, low taxes, landscaped, 2 family, 15 mi from BNL, 1 mi to shopping. W. Lundgren, Ext. 3800.

SHOREHAM - custom built 4 bedrm colonial, w/w throughout, eik, formal D/R, 2-car gar, s/s, full bsmt. \$56,000. 744-2821.

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 & weekends.

SHIRLEY - 2 bedrm apt, full bath & kit, combo L/R-D/R, prvt ent, walking distance Smith Point Beach. \$250, util incl. 281-9237 after 3.

RIDGE TOWNHOUSE - 2 bedrms, 1 1/2 baths, w/w, central air, 5 appl, 2 1/2 mi from Lab. \$350/mo + util. Ext. 3541, 924-4070.

MANORVILLE APT - May 31 - June 24, \$90/wk or \$270 for period; also summer weekends, Fri AM to Mon PM, \$75. Mike, Ext. 2364.

CORAM - 3 bedrm split level ranch, avail June 15 - Aug 31, rent reasonable. 928-9448.

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

Wanted

BOAT - 16' or 17' fiberglass runabout, hull only. Ken, 744-3945.

HOUSE TO MIND - for summer months for vacationing family, responsible Lab employee. Frank, Ext. 3898, 799-4896 eves.

WILL TRADE - 2 Leroy electronic symbols templates for any 2 I don't have. 878-0222.

SHARE W/WORKING MOTHER - teenage daughter, home south of S. Country Rd, Bellport. 286-3575 eves.

IN-DASH STEREO - AM/FM 8 trk, & pair of spkrs, Mom needs music. Chris, Ext. 4612, 281-7379.

VW JACK - single leg type, w/wrench. Mike, Ext. 2364.

ANIMAL LOVER - to care for Golden Retriever June 22 thru Aug 24. 727-0790.

BABYSITTER - for 19 mo old child, Ridge area, preferably our home, part time 8:15-5:15. 744-4047.

ROOMMATES - to share lg house in Rocky Point, fp, 5 min from beach. \$100/mo + util. 821-1296.