

Machines And Men's Souls

"My proposition is that the nature of engineering has been misconceived. Analysis, rationality, materialism, and practical creativity do not preclude emotional fulfillment; they are pathways to such fulfillment. They do not 'reduce' experience, as is so often claimed; they expand it. Engineering is superficial only to those who view it superficially."

Samuel C. Florman, a distinguished civil engineer and author, expressed this view in his book, *The Existential Pleasures of Engineering*. At Berkner Hall on May 24 at 3:30 p.m., he will discuss the main themes covered in his book, which Time magazine called, "a useful read for engineers given to self-scrutiny, and a stimulating one for the layman interested in the ancient schism between machines and men's souls."

A licensed Professional Engineer, who also holds a master's degree in English Literature, Mr. Florman is Vice President of Kreisler Borg Florman Construction Company, Scarsdale, New York. He is concerned with what he considers the illogic of the anti-technology movement and, since 1959, has written over 50 articles on the role of the engineer in society.

In his most recent article in Harpers, "Engineering and the Female Mind," he theorizes as to why there are still so few women attracted to engineering as a career. Traditionally, he says, engineering has not been considered an upper class occupation. "... The only young women who have the educational qualifications to become engineers are likely to come from the upper



Samuel C. Florman

classes. But the upper classes do not esteem a career in engineering; ergo very few women engineers." He takes the leaders of the women's movement to task for not trying to change this situation, particularly as the doors to the engineering profession are wide open to them. But women are being urged to go where the power is, and, ironically, even though "intellectuals ... constantly complain about being in the grip of a technocratic elite," engineers are not among the powerful. He concludes that "the ultimate feminist dream will never be realized as long as women would rather supervise the world than help build it."

Florman will also report on the "state of mind" of the engineering profession, which he has observed since his book's publication in 1976, as evidenced by reviews, his correspondence, seminars with professional and student groups and a meeting at the National Academy of Engineering.

Mr. Florman is a Fellow of the American Society of Civil Engineers, a member of the New York Academy of Sciences, the American Society for Engineering Education, the Society of American Military Engineers, the Society for the History of Technology, and is a Trustee of the Hospital for Joint Diseases and Medical Center, New York.



William Willis, head of the ISABELLE Detectors Division, spoke at the meeting on Detector Ideas.

Reporting On High Energy Physics

At the annual meeting of the High Energy Discussion Group (HEDG) held at Brookhaven this week, the high energy physics community was brought up to date on recent experiments and future plans for the AGS and Project ISABELLE.

About 100 persons attended the two-day meeting which opened with a summary of the past year's activities by outgoing HEDG chairman, Charles Baltay of Columbia University. Nominated as chairman for the next two years was Michael Zeller, Yale University.

Laboratory Director George Vineyard spoke to the users about Brookhaven research apart from high energy physics and gave an outline of the organization of the ISABELLE project. Discussing past and projected schedules for the AGS were Associate Director R. Ronald Rau and Derek Lowenstein, head of the Engineering Planning & Support Division at the AGS. A new beam line is planned for this fall and a major rebuilding of the beams switchyard is on the schedule for January.

Four experimenters discussed their areas of research which pointed toward a varied and busy physics program for the next several years at the AGS. Recent results from the study of neutrino interactions were presented by Pierre Sokolsky, Columbia University, and BNL Physics Department chairman, Nicholas Samios summarized the progress made in understanding the spectroscopy of the many particles that can be produced at the AGS. Theodore Kalogeropoulos, Syracuse University, focussed on the physics that can be done with the high numbers of low energy antiprotons that will be available in the new beam. And Robert Adair, Yale University, noted that the AGS remains a unique facility for making precise measurements of the space and time symmetries of particle interactions.

The second day of the meeting was devoted to Project ISABELLE. Project head, James Sanford, summarized design and construction plans and reviewed the major design changes made to raise the energy of each of the two colliding proton beams from 200 GeV to 400 GeV. He reported that when the \$23 million requested in the President's budget for the year beginning October 1, arrives, construction will start with that portion of the ring nearest the AGS.

Other ISABELLE staff members who discussed various aspects of the project, were Mark Barton, head of the Accelerator Division, on magnet and machine design; Samuel Aronson on the experimental halls; and William Willis, head of the Detectors Division, on some of the major problems associated with the construction and operation of the large facilities that will be used. Presenting brief snapshots of development

work in their areas of responsibility were William Sampson (magnets), Donald Brown (cryogenics) and John Humphrey (electronics).

A witty and complete review of the physics program at the proton-proton colliding beams facility at CERN was given by Michael Tannenbaum, Rockefeller University. He listed the major physics areas being explored at the CERN machine and pointed out that none of them would have been listed before the machine was built. The same theme, that the most interesting physics at ISABELLE could well be completely new to us, was echoed by Sidney Drell of the Stanford Linear Accelerator Center.

— Peter J. Wanderer, Jr.



Michael Zeller (left), Yale University, newly nominated as chairman of the High Energy Discussion Group (HEDG), with Charles Baltay, Columbia University, who has served as chairman for the past two years.



Nicholas Samios, chairman of the Physics Department, discusses a point during a break in the HEDG proceedings.

Breezes And Bombs

On Tuesday, Russell Dietz, Department of Energy and Environment, appeared before the Senate Subcommittee on Criminal Laws and Procedures of the Committee on the Judiciary, at hearings on "The Explosive Materials Taggant Act," a Senate bill now under consideration by Congress.

At the Subcommittee's request, Dietz testified on the research done by the Atmospheric Chemistry Group on the tagging of blasting caps to permit detection of hidden bombs prior to detonation, a program with considerable potential for the saving of human lives and property in this explosive world.

On Wednesday, May 24, at 8 p.m., in Berkner Hall, Dietz will discuss this research and the atmospheric tracer studies from which it sprang, in a BNL Lecture, "Tagging and Tracing Breezes and Bombs."

In the late 1960's Brookhaven began work on atmospheric tracer studies and a primary concern was to determine the extent to which sulfur dioxide emitted from coal and oil fired combustion sources was subsequently converted in the atmosphere to sulfuric acid and particulate sulfate salts. By measuring changes in sulfur dioxide relative to an inert conservative tracer intentionally added, and co-emitted with stack effluents, those changes could be assessed.

Sulfur hexafluoride was the principal gaseous compound used. With a radioactive tritium-containing detector, no bigger than the filter-tip portion of a cigarette, both a laboratory instrument and a portable field instrument were developed for detection of as little as one part of sulfur hexafluoride in one trillion parts of air.

By April 1977, research had developed to the point where sulfur hexafluoride, as well as several perfluorocarbon compounds were successfully released and sampled at distances of 90 kilometers. Analysis capa-

bilities were extended to 10 parts in one quadrillion parts of air, with a potential for ultimate limits of detection between 10 and one parts in one quintillion parts of air. "At



Russell Dietz 2-354-77

such levels," says Dietz, "it will be possible to release and trace air masses potentially across the continental U.S."

The concept of tagging commercially produced electric blasting caps with a volatile, sensitively detectable compound was a spin-off of the tracer program. By November 1972, the researchers found that it was possible to dissolve a sufficient quantity of the taggant, sulfur hexafluoride, in the end plug enclosure of the cap, so that it would evolve from the plug fast enough to be detected in say, a suitcase at the airport, and yet slow enough to last for five to ten years.

Since then, the Law Enforcement Assist-

(Continued on page 2)

5-350-78

Benefit Statements Mailed

The annual personalized statement of each employee's present insurance and retirement benefits will be mailed next week to the home address of all regular full-time and eligible part-time employees.

The statement reflects each individual employee's various group insurance coverages (premiums, beneficiaries, and disability benefits) and AUI and employee contributions (including current allocation) to the retirement plan.

The purpose of this statement is to provide employees and their families with a better understanding of their AUI benefits program and to insure that their insurance coverages and beneficiaries are correct and up to date.

Bank Notice

The on site branch of the Bankers Trust Company will be open on Monday, May 29 and closed on Tuesday, May 30. They are following the New York State observance of Memorial Day on May 30.

Upton Nursery School

Now is the time to think about enrolling your three and four year olds in BNL's cooperative nursery school for 1978-79. Classes are filling rapidly, and class size is limited. Application forms are available in the cafeteria and Recreation Building. Take one home and return it now to reserve a place for your child.

A general meeting for current and prospective parents will be held Wednesday, May 24 at 8 p.m. in the Recreation Building. Election of board members will take place and all are urged to attend. For any further information call Barbara Pringle at 728-9639.

Mountain Club

There will be a canoe trip on Pine Creek in north central Pennsylvania on May 27 and 28. The river is rated for experienced beginners. It has a few rapids and passes through the Grand Canyon of Pennsylvania. Reservations have been made at a campground for Fri., Sat., and Sun. nights. There are no canoe rentals so you must bring a canoe with you. For further information call Doug Hof, Ext. 4309 or Don David, Ext. 3942.

Cafeteria Menu

Week Ending May 26, 1978

Monday, May 22		
Rosy onion soup	cup	.30
	bowl	.40
Chicken á la king on rice		1.20
Western omelet & 1 veg.		1.25
Hot Deli - Pastrami	on bread	1.15
	on roll	1.25
Tuesday, May 23		
Chicken mushroom supreme	cup	.30
	bowl	.40
Chinese pepper steak on rice		1.30
Barbequed spare ribs & black-eyed peas		1.40
Hot Deli - roast beef	on bread	1.25
	on roll	1.35
Wednesday, May 24		
Split pea soup	cup	.30
	bowl	.40
Breaded flounder filet w/french fries		1.25
Spaghetti w/Italian sausage & garlic bread		1.30
Hot Deli - baked Virginia ham on bread		1.25
	on roll	1.35
Thursday, May 25		
Cream of chicken soup	cup	.30
	bowl	.40
Grilled Reuben sandwich w/cole-slaw and chips		1.25
Beef hash & 1 veg.		1.20
Scalloped ham & potatoes		1.25
Hot Deli - meatball hero		1.25
Friday, May 26		
Manhattan clam chowder	cup	.40
	bowl	.50
Fish 'n chips		1.25
Beef liver & onions w/1 veg.		1.15
Hot Deli - roasted turkey	on bread	1.25
	on roll	1.35

Small Sayings

Did you know that NASA is going to put 24 cows in space? It will be the herd shot 'round the world.



These members of the Karate Club are engaged in what is known as free fighting. Three men are fighting the instructor Ed Gross, who is a highly skilled Black Belt. The loose uniform worn in karate is called Gi. From left to right are Tony Albanese (Yellow Belt), Gross, Tom Crews (Red Belt), and John Polcha (White Belt). —photo by Reben

A Martial Art Is A Family Sport

The blood curdling yells that sometimes issue from the gym on Friday evenings are no cause for alarm. It only means that someone is trying to throw his opponent off guard and at the same time expel air and tighten his stomach muscles in preparation for a possible punch. It's the Karate Club in action.

For the past three years, employees, their children and friends, have been training in Kempo Tae Kwon Do, a combination of jujitsu and the Korean art of kicking, blocking and punching.

Karate is probably the oldest of the martial arts. It originated in India and was used by the monks to counter the harmful effects of prolonged meditation and as protection against bandits. It was brought to China by a Buddhist monk and gradually spread through the Chinese colonies in Asia. In one of these, Okinawa, this "empty handed" form of fighting became highly developed and was the basis for the very effective karate of modern Japan.

There are many forms of this martial art. The Kempo Tae Kwon Do style taught at the Brookhaven club was founded by the club's professional instructor, Ed Gross, who is a 10th degree Black Belt in this technique. He is a former coach of the Brooklyn College karate team and from 1967 to 1970 taught karate to the 11th Airborne Green Berets.

Karate was organized at Brookhaven in 1975 as part of the Exercise Club, by club president, "Whitey" Caiazza. As do most of the members, he enjoys it for the exercise and the mental and physical discipline. At

Brookhaven no mats are used and the floor is hard. A technique learned early is how to fall, a useful bit of information that could come in handy in many other situations.

In the classroom situation, opponents do not actually make contact. They stop just short of the target and this is called focusing. In competition, padded gloves are worn and opponents do not pull their punches. Some of the Brookhaven club members have competed in a full contact competition. They all won their respective matches and sustained no injuries.

Of course, the initial aim of karate was to kill and avoid being killed. "Just knowing you can really hurt a person," says Caiazza, who is a Red Belt, "makes you wary of provoking any incidents. But the ability is there if you need it for self defense."

Climbing the ladder to a Black Belt is a long, strenuous procedure. The various colors of belts, signifying different degrees of progress, are hard earned. In the Kempo Tae Kwon Do school, a beginner is a white belt, followed by yellow, yellow with green stripe, green, green with red stripes (four accumulated), red, red with black stripes, and the coveted black.

Currently, about 45 people are practicing karate in the gym on Friday evenings from 7 to 9 p.m. The charge is \$10 per month for weekly lessons. New members, either beginners or advanced, are welcome. Anyone interested in seeing what it is all about, is invited to attend a promotion test for members working towards a higher belt on Friday evening, June 2.

Arrivals & Departures

Arrivals

William H. Birkholz	Central Shops
William J. Devall	Plant Engrg.
Dorothy-Jean Kirkman	Contr. & Proc.
John E. Kulesa III	Plant Engrg.
Darlene J. McDermott	Contr. & Proc.
Joanne Meyers	Central Shops
Giuseppe Moccia	Medical
Peter D. Mulready	Biology
Steven R. Simmons	Medical
Melanie J. Skarka	Fiscal
Toshifumi Sugama	Energy & Env.
Glenn A. Zorn	Biology

Departures

Edward Beardsworth	Energy & Env.
Gerald J. Novak	Accelerator

Selected Reading

- New Sci. 78, April 27, 1978
Rough journey to a Nobel prize. N. Wade. 219-21
- Science 200, May 5, 1978
The federal regulatory machine. P.H. Abelson. 487
- Sci. Gov. Rep. 8, April 1, 1978
U.S. science policy: How it looks to the Soviets. 5-7

ANS Head To Speak At L.I. Meeting

Dr. Joseph R. Dietrich, president of the American Nuclear Society (ANS) will speak on "Nonproliferation and the Fuel Cycle" before a meeting of the Long Island Section of the ANS, at 6:00 p.m., May 23, at the Pippin Restaurant, Hauppauge.

Dietrich is also Chief Scientist, Nuclear Power Systems, Combustion Engineering, Inc., Windsor, Connecticut, a major manufacturer of nuclear reactor systems, fuel and associated equipment. He received a Ph.D. degree at the University of Virginia and joined the Oak Ridge National Laboratory in 1946 to work on the Daniels Pile, the first civilian nuclear power project. When that project became the basis for the U.S. Naval nuclear submarine propulsion program, Dr. Dietrich was placed in charge of reactor physics and shielding design of the Nautilus prototype reactor at Argonne National Laboratory. With the Nautilus project completed, he worked on the design of the BORAX reactors, the first large-scale tests of reactor safety, which also demonstrated the direct cycle boiling water reactor concept.

In 1956 Dietrich joined with Walter Zinn and other associates to found the General Nuclear Engineering Corp. in Dunedin, Florida, where he served as Vice President through its acquisition by Combustion Engineering.

The meeting is open to those members of the public who are interested in nuclear power. Reservations for dinner may be made with Mrs. Dorothy Thompson at Ext. 2444.

CREF Values

	1978	
January	\$35.72	February \$34.96
March	36.15	
April	\$39.28	

Breezes and Bombs (Cont'd)

ance Administration, the Federal Aviation Administration and the Bureau of Alcohol, Tobacco and Firearms, have contributed to the funding of further research. Currently, the investigators are examining numerous taggant choices and end plug enclosure materials for the best combination for each of the three blasting cap manufacturers. Models have been developed to account for the effect of various enclosure materials surrounding a clandestine explosive, and to take into consideration terrorist attempts to thwart the emission of the taggant.

Russell Dietz, a chemical engineer, received his Ph.D. degree from the Polytechnic Institute of Brooklyn in 1964. In that same year he joined the staff of the then Department of Applied Science and until 1970, his major activities were directed towards the application of irradiation processes. After that, his research emphasis shifted more towards chromatographic and related instrumentation developments. He was co-recipient of the 1977 Richard L. Templin Award of the American Society for Testing and Materials. Dietz is a member of the American Chemical Society and the International Ozone Institute.

A buffet supper, beginning at 6:30 p.m., will be served in the Brookhaven Center before the lecture. Reservations should be made in advance by calling Ext. 3541 before 5 p.m. Refreshments will be available in the lobby of Berkner Hall immediately after the lecture.

Golf

The first BGA 18 hole tournament will be held Tuesday, May 23 at Spring Lake and is open to all BNL employees. Tee off times start at 12 noon. Send entry fee of \$1 to Peter Bond, Bldg. 510. If any questions arise, call Bernard Comfort, Ext. 4581 or Bond on Ext. 4063.

Cooking Exchange

Come ladies and gentlemen to the May 24 meeting of the Cooking Exchange. In this, the last meeting of the season, the men will do the cooking. And this year they will show their expertise with curries.

The Recreation Building is the place and 12:30 the time. Baby sitting will be provided.

Stony Brook Events

Haitian Day: L'Ouverture Club presents a Haitian Day/Evening, Friday, May 19, 8 p.m. - 5 a.m. in the Stony Brook Union Ballroom. Admission: \$2, students; \$4, general public. For further info call 246-4986.

Conference: "Archaeology, Preservation, Planning & Public Policy," at the Lecture Center, Saturday, May 20, 9 a.m. For further info call 929-8725 or 246-6745.

Children's Theatre: "The Magical Pied Piper," a musical comedy, Stony Brook Union Auditorium, Saturday, May 20, at 2 p.m. Tickets are \$2. For info call 585-1868.

Recital: The Graduate Piano Trio will perform on Sunday, May 21, at 8:30 p.m. in Lecture Center 105.

Recital: Violinist Mark Frank will perform on Tuesday, May 23, at 8:30 p.m. in Lecture Center 105.

Panel Discussion: Edmund J. McTernan, Dean of Stony Brook's School of Allied Health Professions, will moderate a program entitled "Can Consumers Choose Their Health Care?" on Thursday, May 25, at 8 p.m. in Lecture Hall 2, Level 2 of the Health Sciences Center.

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IBEW Meeting

Local 2230, I.B.E.W. will hold its regular monthly meeting on May 25, 1978, at 8 p.m. in the Knights of Columbus Hall, Railroad Ave., Patchogue. There will also be an afternoon meeting at 2 p.m. for shift workers in the Union office at 31 Oak Street, Patchogue. On the agenda will be regular business, committee reports and the President's report.

Bicycle Race

The Spring Race is coming up June 4, only two weeks away.

By now, your bike should be resurrected from winter storage and your physical conditioning well underway.

This year, a 2-lap event (twice around the Lab), a total distance of about 33 miles, will be offered for the real enthusiasts. It will start at 9:30 a.m., with registration from 9 a.m. The single-lap 16.5 mile event will start as usual at 10 a.m.

The categories in the single-lap race are junior, senior and veteran men, and junior, senior and veteran women. There are no categories in the 2-lap race. All who finish will receive a certificate, and medals will be awarded for first place in each category.

The entrance fee for all events is \$1.00. Entrants under 18 must have parental approval, and registration forms may be obtained in advance from Gerry Morgan, Ext. 4841, mail drop 815. The races are open to Lab employees, their families and their guests.

It is strongly recommended that entrants wear protective head-gear. Entrants in the 2-lap event should carry a water bottle.

Runners Corner

The annual BNL Spring Races will be held this Sunday, May 21. Three main races of 20, 10, and 5 kilometers will begin at Berkner Hall at 10 a.m. The races are open to the public, with awards to overall winners and age category winners in the men's and women's divisions. Race entry fees of \$2 for adults and \$1.50 for 15 yrs and under will be collected on race day. Registration ends at 9:30 a.m. Racers can save some money by preregistering today with John Beerman, Bldg. 703, Ext. 4076. There will be refreshments for all starters and certificates for all finishers.

In addition to the main events, there will be a one-mile fun run for anyone interested in a fun jog, and a series of children's runs. No entry fees will be charged for these events. A large crowd is expected, rain or shine. If anyone wishes to volunteer their services to help with the races in any way, please contact Bill Thomlinson, Ext. 3978 or Gus Prince, Ext. 2901.

The Cross Island Marathon to be held on Sat., June 17, has been extended to 20.8 miles. Safety considerations, due to construction and traffic control problems at Sunrise highway, have forced the change this year. Five water stops are planned, and a bus will patrol for runners in trouble. The new course starts at Port Jefferson harbor as before and follows the old route over Bald Hill. It then turns east on Horseblock to Station Rd., then to Patchogue via Patchogue-Yaphank Rd. and Montauk Highway. It ends at Shore Front Park in Patchogue. There will be a clinic held at Four Sisters Community Center on South Ocean in Patchogue on June 1 for any runners who are interested.

It's Hustle Time!

A talented soul combo and a plentiful soul buffet are the attractions offered by The Brothers of BNL at their BERA-sponsored dinner dance on Saturday, June 3.

The Jack Sass Band, a young, first-rate group, will play what they call "just funky music" from 9 p.m. to 1 a.m. at the Cafeteria. The band has performed at such bistros as Trude Hellers, The Bitter End and the Village Gate, and has worked with such big names as the Temptations, Chick Corea and Darius Brubeck. Every member of the 5-piece band is an instrumentalist and vocalist, and has the ability to arrange and compose. They play everything from a "hot, foot-stompin' Boogie, to a sweet, soulful ballad."

The music will continue without pause. "Big Mike," a local disc jockey, will spin records during band breaks and after 1

a.m. when the band leaves.

The buffet will include barbecued pig's feet, spare-ribs, collard greens, cold meat platters and a lot of other good food to keep you going while you're dancing.

The charge is \$10 per person, with a cash bar.

Tickets may be purchased from any of the following:

Accelerator	Helen Keeley
Applied Mathematics	Mary Cooper
Biology	Ruth Wright
Dept. of Nuclear Energy	Frances Scheffel
Director's	Janet Sillas
Fiscal	Jo Gazzola
Medical	Jackie Larrie
Physics	Melody Howard
Safety & Environ. Protect.	Sandra Saunders
Staff Services	Joan Perullo
Supply & Materiel	Marge Weltz



The Jack Sass Band

5-13-78

Bowling

Red League

There was some great bowling for the last night of the season. C. Bohnenblusch had a 232/201/202-635/704 series and led the Sandbaggers to a 7-4 win over the Anachems. He also came in first for the sweeps money. In this match-up, R. Jones had a 211/201-569/626 series. E. Gill bowled a 550/646 series and L. Newman a 643 gross (his best of the season). The 76'ers won over the Bubble Boys 8-3. J. Petro had a 205/223/586/670 series and took second place in the sweeps. J. Connelly had his best night also with a 210/592/649 and just missed taking third. R. Larsen (215) took the fourth place prize and R. Barberich had a 209 game.

Third place in the sweeps went to J. Roesler with a 237/559/655 series to lead the Old Timers to an 11-0 win over the Freon Loaders. The Designers took the Cosmos team 8-3. In this match-up, C. Zavesky bowled well with a 631 gross. A long season is over; see you all at the party!

Pink League

Cathy Van Noy turned in an unbelievable performance on sweepstakes night to take first high gross series with a 193/219/189/601 scratch and 658 gross. Second high gross went to Ellie Adams who had a nice 175 game for a 632 series. There was a tie for high gross game with both Renie Rosati and Fran Green coming up with a 226. The

high scratch game was 173, bowled by Lindora Boyd.

This week "other good games bowled by" is a singular title and is held by Marge Stoeckel with a 166.

Purple & White League

The Good Guys, first half winners, (Mary & Jere Austin, Dick & Ellie Murgatroyd) won the play-off's against the second half winners, The Pen Mac's (Ed & Caryl MacDougall, Jeanne & Dave Penoyar). The first and second game were each won by 18 pins by the Good Guys and the Pen Mac's won the third game by 9 pins.

Other good games were Jeanne Penoyar 209, Mary Austin 176, Ellie Murgatroyd 173, Dick Murgatroyd 180/198.

Green League

With the last week of bowling, the teams were left with a position round. The Sparks took on the Blue Jays, besting them eight to three. For the Sparks, B. Kristiansen had a 221 and for the Blue Jays, D. Stelmaschuk had a nifty 239. The Old Timers II took eleven from the Pinball Wizards. B. Galen had a 205. The Got-A-Hit-Ums got the Dyno-Mites for eleven. The Pick-Ups settled for eight from the Trouble Shooters. B. Quinn came through with a 226.

Once again it was sweeps night and Bill Kristiansen took first high gross series, Daniel Stelmaschuk second, Bruce Quinn third and R. Vignato high scratch game.

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.

644. BUDGET ANALYST - Requires BBA or equivalent with an emphasis in accounting. Experience in budgeting and computer science desirable. Director's Office.

645. COMPUTER SCIENCE ANALYST - Requires BS in Computer Science or Applied Mathematics, preferably with CDC 7600 or 6600 experience for User Services group. Applied Mathematics Department.

646. COMPUTER SCIENCE ANALYST - Requires BS in Chemistry, Math or equivalent with extensive background in Fortran programming. Familiarity with DEC PDP-11 desirable. Flexible hours. Chemistry Department.

647. HEALTH PHYSICS TECHNICIAN - Requires AAS degree or equivalent in engineering or physical sciences. Rotating shift. Safety & Environmental Protection Division.

648. HEAVY EQUIPMENT MECHANIC OPERATOR - Plant Engineering Division.

Autos & Auto Supplies

68 PLYMOUTH - Valiant, 6 cy auto, 4 dr, excel running cond, \$250., Ext. 2354 or 727-7450.

76 HONDA - CB 200, like new (20 mi), \$750., 981-3965 or 331-3358.

73 CHEVY - El Camino, black on black, V8, ps/pb, mags, 58,000 mi., \$2400., Chris, 281-2051.

FOR PARTS - Both 68 Bug & 67 Ghia VW, Andy, Ext. 3514 or 286-8814 after 5 PM.

FULL COMPETITION CHEVY - Small block 302, Holley's Edelbrock tunnel ram, crane, roller cam, will demo in car, Rex, 744-3968.

MUNCIE TRANS - M-22 racing trans; 557 gears for 65 vette; VW parts 70 bug, tires, rims, windows, steering column, Rex, 744-3968.

70 INTERNATIONAL - Travelall 304, V8 eng, auto, clean, \$1295., 589-6383.

NEW & USED TIRES - Rims, repairs, snow, reg, radial, Dunlop-Michelin, FREE instal, balance avail. Fred Usack, Ext. 4597 lunchtime or 475-4935 eves.

67 CHEVY - Pick-up 1/2 ton, good cond, new paint, \$850., 924-6307.

CAR WASHING UNIT - Mounted in 74 Ford Van, good for all kinds of pressure cleaning, 588-1958 after 6 PM.

69 PLYMOUTH - Valiant, good running cond as second car, \$200., Ext. 3086 or 286-8370.

62 JAGUAR - Mark II, parts, red interior, \$100., bumper, \$25., new skirts, \$30., 589-9103.

64 PONTIAC - (67 engine) needs tune-up & batt, good for transportation, \$100., Walt, Ext. 2907 or 698-0576.

56 MERCURY - Collectors dream, V8, ps/pb, 4 dr, 48 K orig mi, mech excel, needs minor body work, \$800., 286-8119.

73 FORD - Galaxie 500, all power, a/c, 8tr new radials, Cathy, Ext. 4093, 732-6262 eves.

76 PINTO - Low mi, excell cond, \$2,500., Ext. 2926 or 281-0268.

72 SAAB - 99E, 4 spd, new clutch, head, valves, very good cond, original owner, \$1,175., 878-4480 eves.

71 CHEVELLE - 307, \$750., 924-7929, call after 6 PM. TRAILER - Utility, covered, U-haul type, good cond, 8'x5'x5 1/2', \$295., Ext. 3786 or 286-2889.

66 MUSTANG - 6 cyl, standard, 2 dr HT, runs but needs some work, \$200., Bob, Ext. 4782.

70 TRIUMPH - GT6+, rebuilt engine, am/fm, cassette deck, Ext. 2831.

75 OLDS - Cutlass Salon, mint cond, all power, a/c, am/fm, console, buckets, tilt wh, landau roof, sport mirrors & wh, 30,000 mi, Jeanne Weber, Ext. 2003 or 472-0086 after 6.

71 VEGA - Auto, a/c, 46,000 mi, needs body work, best offer, Paula, Ext. 2067 or 698-8950 after 5:30.

71 PONTIAC - Lemans - sport, auto, V8, ps/pb, a/c, am/fm, \$900., Frank, Ext. 2011.

72 PONTIAC - Grand safari wagon, power everything, stereo, roof rack, (9) pass, excel running cond, \$1,200., Ext. 3514 or 821-1296.

66 DODGE - Dart GT, 2 dr, 6 cyl, ps/pb, many new parts, mech excel, \$350., Steve, Ext. 3822, 929-6527.

70 FORD WAGON - 55,000 mi, ps/pb, \$600., Don, Ext. 2026, 286-1396, eves.

69 ROVER 2000 - Auto, \$475.; '68 SAAB, 96, 2 cycle, \$295., both excel runners, David, Ext. 3501 or 286-8097.

Classified Advertisements

69 MUSTANG - Fastback, running cond, \$150., Steve, Ext. 2011.

70 BUICK - Skylark, 6 cyl, auto, ps, good cond, \$750., or best offer, 289-1605 after 5 PM.

68 PONTIAC - Catalina, V8, ps, 70,000 mi, new complete exhaust system, but some body rust, best offer, Tang, Ext. 4517 or 744-8546 after 6 PM.

75 HONDA - Motorcycle CB360, Blue, new cond, extras, low mileage, \$800., Gene, Ext. 4605 or 744-3945.

Boats & Marine Supplies

27' OWENS - Cruiser w/navy top, full curtains, twin sixes, DF, CB, head, galley, sleeps 4, in water, 226-9325.

61 MERCURY - 40 HP outboard motor, 4 cyl, no lower unit, make offer, Ted, Ext. 4163 or 286-0065.

68 BOSTON WHALER - 14', 40 HP Johnson w/tilt trailer, ready to go, \$1095., 589-6383.

9' WELLCRAFT DINGY - '68 fiberglass, '70 6 HP Johnson engine w/gas tank, \$395., 286-0054 after 6:30 PM.

16' HOBIE - Used less than 1 mo, race equipped, double trapeze, APM blocks, trailer, G. Campbell, Ext. 4168 or 286-3675.

25' ZOBEL LAPSTRAKE - Sea skiff w/tandem trailer, 722-3247 after 6 PM.

17' CANOE - Grumann, aluminum, \$275., 981-3965 or 331-3358.

17' VENTURE SLOOP - Fiberglass, fully equipped, trailer & outboard, Barry, Ext. 3370, 286-9035.

71 CRUISER, INC. - Fiberglass, all C.G. equip, DF, CB, Camper top, head, sleeps 6, 115 HP Johnson, in water, excel cond, \$4,000., 281-2186.

23' COLUMBIA - Fiberglass, sleeps 4, head, galley, fabric cushions, bow, stern pulpit w/life lines, 4.5 Merc, 2 sails, main cover, 286-1076.

17' CARVELLE - Fiberglass tri-hull, 115 HP, Merc, trailer, full canvas, all access, Mike, Ext. 4601.

19' BAYLINER - Fiberglass, 135 HP Volvo I/O, Shoreline trailer w/elec winch, navy top, DF, excel cond, \$4,500., Ext. 2611 or 751-3702.

18' GARVEY - Self bailing, fiberglass over wood, 5 layers bottom, 3 top, center console, extras, \$975., 289-5914.

16' LUGAR - Day sailor, 3 HP Evinrude, trailer, good cond, Bill, Ext. 2011.

18' MFG - Fiberglass bowrider (Gypsy) w/60 HP Evinrude outboard, \$1,500., Ext. 3432 or 473-1620.

Miscellaneous

STEREO - Super Marantz, 240w Power Amp, Marantz 7T Pre Amp w/cabinet; Marantz 23 AM/FM tuner; Empire 598 turntable, Ext. 4701 or 281-2877.

MOBILE HOME - 30' Nashua kitchen, din rm, bed & full bath, very good cond, \$995., 589-6383.

SCREENS - (4) Aluminum window screens, good cond, 23 1/2"x51", \$20., D. Groobert, Ext. 4606.

TENNIS RACKET - Wilson Match Point, 4 1/2 M, w/cover, like new, \$15., G. Irving, 2318 or 286-8869, after 6.

WINDOWS & SCREENS - (1) ea. 8'5/8"x4'4 1/4", (5) ea. 3'2"x4'4 1/4", (1) 3'1 3/4"x3'4 1/4", (1) ea. 2'1 1/2"x3'4 1/4", (1) ea. 5" recess radiator, make offer, all or part. Al, Ext. 3650.

GOLF SHOES - Women's 7 1/2 narrow; gold hush-puppies, new cond, \$10., Ralph, Ext. 2485.

BICYCLE - Schwinn tandem w/addi carriers for two children, lights, mirrors, excel cond, \$100. Pat/Dan, 277-1284.

TYPEWRITER - Olympia standard, excel cond, \$50.; hobby horse, excel cond, \$15., Pat/Dan, 277-1284.

TRAILER - '69 Apache pop-up tent type, good cond, sleeps 4, good for sm car, \$425., 924-6307.

TRAILER - '65 Cox, new tires, body in good cond, extras, stereo & TV free, Bob, Ext. 2333.

STONEWARE - Crown royal, serv (8), stainless knife, fork, etc., new \$65.; Universal port sewing mach w/ free arm for buttons, button holes, \$65., 281-8497.

COFFEE GRINDER - Waring, \$20.; Salton peanut butter mach, \$20.; Braun grinder, \$8., 281-8497.

CAMERA - Kodak EK-4 instant print w/carrying case, used a few times, orig price w/case, \$58., asking \$35., Terri, Ext. 2927.

LAWN MOWER - Riding, 5 HP; 2 upholstered chairs w/new slipcovers; new alum folding table, 3'x6'; swivel rocker; (2) folding army cots, 325-1961.

TABLES - Coffee & (2) end, mahogany w/leather tops, \$100., 286-1205.

ACCORDION - 120 bass, med size, good cond, asking \$70., Art Friedman, Ext. 4819.

FREE IRISH SETTER - Female, 2 yrs old; good home wanted, call after 7 PM, 878-9192.

RANGE HOOD - S/s w/light & fan, \$20., Jerry, 475-5591 days.

SOFA - Sectional, right & left ends w/arms, good for playroom, best offer, Jerry, 475-5591 days.

SCANNER - 4 ch bearcat H/L, handheld, AC adaptor & recharge batt, 7 crystals, 5 mos old, cost \$170., asking \$115. Walt, Ext. 4504.

ADDING MACH PAPER - Record type, good cond, \$15., Bob, Ext. 2819 or 289-0357.

YARD SALE - May 27, 139 Ostrander Ave, Riverhead. Games, dolls, cameras, hardware, clothing. Rain date, May 28.

MOTOR HOME - '76 Explorer 212, 18', self contained, 3-way refrig, furnace, stove, sink, a/c, ps/pb, auto cruise control, 363-8989.

FISH TANK - 20 gal & numerous assort extras (pump, filters, light fixture, etc.) \$15., A. Romano, Ext. 4024.

PERSIAN KITTENS - (5), registered, looking for a nice home, Ext. 3670, 924-7574, 744-4779.

COACHMEN-KNIGHT - 9 1/2' slide-in, sleeps 6, stove, oven, heater, 3-way oversized refrig, bathrm, shower, excel cond, \$2,250., 727-5086.

BICYCLE - Boy's 20", hi-riser, missing kick stand, good cond, \$15., Ernie, Ext. 4291 or 727-2861.

66 FAN TRAILER - Self contained, sleeps 8, w/bunk beds, excel cond, 2 new tires, Ernie, Ext. 4291 or 727-2861.

AFX TRACK - Complete set (4 lane) plus 31 vehicles, add'l tracks plus carrier case, used twice, \$225., value \$350., John, 369-1658, days.

POOL LADDER - S/s, 3 step, \$50., Mike, Ext. 4601.

ANTIQUES - Tiffany style hanging lamp, pair fireside chairs, oak chests, oak chairs. Also, modern pair end tables, pair brass lamps, chair, 878-4214.

FURNITURE - Mahog coffee table, drk wood, leather top, oval, \$25.; Captain's chairs, maple (3) & round table, \$20., Bill, Ext. 4068.

DINETTE SET - Hutch, table, (4) chairs, Fr Prov, Lt fruitwood, \$120., Bill, Ext. 4068.

RECORDER - Panasonic cassette, 1 mo old w/tapes, Ext. 4270, 473-7797, after 6 PM.

GIUITAR - Decarlo (copy of Gibson Les Paul), rosewood, 3 mos old, case, 2 jacks, fuzz box, mint cond, 473-7797, after 6 PM.

BICYCLE - Men's Ross, 3 spd, good cond, 1 yr old, \$45., Ron, Ext. 2621 or 744-8334.

CAMPER - Pop-up, sleeps 8, ice-box, stove, portable heater, Porta-potti, power converter, \$1,200., 585-3004.

HI-FI COMPONENTS - Stereo Amplifier, 22 watts per channel, plus matching AM/FM tuner. Excel cond, original cost \$320. Still under warranty, will sell both for \$185., 732-5829.

POT BELLY STOVE - \$50., Sharon, Ext. 3312, or 878-2591.

SOFA - Foam pad & 2 bolsters, 2 sets covers, excel cond, \$10., butcher knives, \$2., good. 744-3792.

CERAMIC FLOOR TILE - 6"x6"x1/2" sand, cork pattern (60 tiles), solid brass T hinges, 15", \$6., 744-3574.

TAPE RECORDER - Wollensak Stereo, reel to reel, tapes incl. \$35., C. Eterno, 2446.

FULL CEMETERY PLOT - 8 burials, Wash. Mem. Pk. "Lincoln Sect" excel buy, relocating, must sell, 475-0462.

JEWELRY - Sterling silver at discount prices, 363-7032.

REFRIGERATOR - 8 cu ft, Sears Coldspot, only 4 mo old, excel cond, \$110., Le, Ext. 2060 or 473-8962.

PIANO - Wurlitzer console, excel cond, w/bench, \$500., Le, Ext. 2060 or 473-8962.

SCREEN - For slide door, white alum, 36"x80", 2 yrs old, excel cond, \$15., light fixtures w/attachment, 1 yr old, excel cond, \$3., single dresser w/bookcase on top, \$10. 744-9498 after 6.

PIANO BENCH - \$7., Silver Plate Flatware Service (8), \$10., "Storm Door" Lock & Knob sets, new, \$3., 744-3574.

TREES - Spruce & Blue Spruce, \$1./ft, dig your own, 286-8642.

FREE KITTENS - 5 wks old, white & grey angora, Mastic area, Noreen, 281-7873.

71 TRAVEL TRAILER - Fully self cont, many extras, \$2,500., 744-8332, after 6.

POOL - 24', round, 4' deep, filter, alum ladder, HTH chlorine, all you need is the water and \$100. Ext. 3354.

BEDS - Twin & single sizes, box spring & frame, good cond, Ext. 2060 or 473-8962.

FREE IRISH SETTER - Female, 2 yr old, please give good home, 878-9192 after 7.

CAMERA - Mamiya T.L.R., C 330 w/80mm F2.8 lens, 55mm F4.5 lens, Cds porrofinder, waist level finder, camera bracket, Irv Meyer, Ext. 3038 or 929-4326.

WATER BED - King Size, hand carved wood frame, liner bag & heater, asking \$300., Wedgwood China, service for (8), gold florentine pattern, \$400., Ext. 4114 or 325-1711.

PICTURE WINDOW - 6'w x 4'h, \$40., Frank, Ext. 2957.

MATTRESS - Box spring & frame, full size, good cond, \$50., 924-7585.

BEDROOM SET - White, dresser w/mirror, night stand & twin size box spring & mattress. Ideal for young girl, \$40., Ext. 3635 or 732-5338.

TWIN BED - Drk maple, perfect cond, orig. price \$185., asking \$45.; 48" round Ethan Allen maple table w/2 leaves \$45.; Colonial chandelier, oxbow w/4 lights, \$25.; small dresser, \$10., 585-4038.

PIANO - White Provincial, w/bench, Wurlitzer, good cond, \$500., Kay, Ext. 4539 or 286-8957.

RECORDS - Approx (50) very old (pre-teens to thirties) 78 rpm records, includes R. Valentino, mostly classical & contemporary music & vocals, most in good cond, \$10. for all, Harry, Ext. 3783.

BIKE - Sony, 21 1/2" frame, 10 speed, cp brakes, like new, \$70., Crib, good cond, \$45., 475-0144 after 6.

LIVING ROOM FURNITURE - Couch, 3 chairs, coffee table, 2 end tables, good cond, Roseann, 363-6771.

BICYCLE - 26" Schwinn, women's 3 speed, like new, \$50., Sharon, Ext. 4529.

CLARINET - Like new, \$200., H. Rhodus, Ext. 3284, 924-3522.

MAGNAVOX - 20" Bl/wh, floor model, on & off switch broken, \$10., Amer. Flag, new, 5x8, \$9., 727-1617.

REFRIGERATOR-FREEZER - Frigidaire, frost-free, 14.6 cu ft top loading freezer, canary yellow, Ext. 4022, 744-1786.

LENS - Vivitar 100mm for Canon, excel cond, \$95., Ext. 2495 or 928-4527.

TABLE - Wrought iron dn/rm w/4 chairs, \$100., 281-6130 eves.

FLOOR TILE - Never wax vinyl tile "Naflog," yellow, new, still in box (3 1/2 boxes), covers 12x12 area, \$100., 281-0184.

BATH TUB - Mod type, 5', L.H. drain, white, \$25., 585-7094 after 6.

LOVESEAT - Krohler brown/gold print, like new; green swivel rocker; table desk, formica top, Ext. 2979.

FREE PUPPY - Rhodesian Ridgeback, 6 mo. old, female, very affectionate, good w/children, Larry, 4364 or 286-1709.

AIR CONDITIONER - 6000 BTU, \$60; Bissell carpet sweeper, \$10; twin bed, night table, dresser, \$25., (mattress not includ); (4) abstract figures on framed mirrors, \$8., George, Ext. 4460.

LIVING ROOM FURNITURE - Colonial couch, rocker w/chair, \$100., coffee table, \$20., round table, \$20., 25" bl/wh RCA TV console, \$65., 475-4844.

CAR SEAT - Ford toddler, excel cond, for child 1-5 yrs old, \$20., Bill, Ext. 3369.

AIR RIFLE - Crossman, 766 w/telescopic sight, excel cond, Fred, Ext. 4407.

SKY KENNEL - 18"x18"x24", excel cond, \$20., Ted, Ext. 4163 or 286-0065.

ELECTRIC KNIFE - Very good cond, \$7., Hans, Ext. 4581 or 281-5563.

LAWN MOWER - Ride tractor, 4 speed, BS 8 HP, pull start, 32" cut & grass sweeper, excel cond., \$375., 567-5609.

STORM DOOR - 32"x8", alum, w/screens, \$20.; full crib w/mattress, \$30.; Stroll-o-chair, Ext. 2980 or 289-0532 after 6.

DEHUMIDIFIER - Coldspot automatic, very good cond, \$75., Ext. 3857.

FISH TANKS - (2) 3 gal, full equipped; (1) 20 gal tank, \$11. takes all, Fran, 698-6376.

PING PONG TABLE - Excel cond, \$25.; Stratton colonial drop leaf table & pads & 2 ladderback chairs, \$125., Fran, 698-6376.

LAWN EDGER - Village Blacksmith, \$15., Frank, 281-9269.

STORAGE BOX - For pick-up truck & rear window protector, \$100. takes all, 281-2186.

WINDOWS - (2) over (2) double hung windows w/storms, (5 ea) 35" x 52 1/4", (1) 37 3/4" x 40 1/4", (1) 25 1/2" x 40 1/4", (1) 101 1/4" x 52 1/4", call Al, 3650 or 269-9175 after 6.

RECESS RADIATOR - 5' long, Ext. 3650 or 269-9175 after 6.

YARD SALE - From 2 houses, sewing machine, dryer, car new appli, bicycle, etc., May 18-20, 301 Montauk Hwy, Hampton Bays (3/4 mi east of canal).

CRIB - W/mattress, \$20., 286-3555.

FIREWOOD - \$60./cord, you pick up, 475-4394.

AIR CONDITIONER - 10,500 BTU, Westinghouse, \$65., Ext. 4449 or 751-8403.

APPLIANCES - Philco refrig & Whirlpool gas dryer, excel cond, \$75. ea.; Coldspot freezer, needs work, \$25, Ext. 2257 or 331-3019.

17" ZENITH TV - B&W w/stand \$35.; Proctor meal maker \$35.; antique pitcher pump \$50.; Ext. 3327.

GIUITAR - Mansfield classical, rosewood back, sides & fingerboard, spruce top, beautiful inlay, cost \$149. new, as new \$80., Ext. 3974.

FREE KITTENS - 3 beautiful males, need good homes, 744-2991.

COLEMAN TRAILER - '75 hard top, 19 1/2', 2 gas bottles, power converters, 3 burner stove, porta-potti, sleeps 6 adults, many extras, like new, \$2000., Pat, 924-0629 weekdays after 3 p.m., weekends after 9 a.m.

EARL GREY TEA - For discriminating tea drinkers, half price while they last. \$4/16 oz can, Rino, Ext. 2012.

CAMERA - 35 mm Voigtlander, 10 mo old, filters, case strap, 286-8758 after 5.

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

BRENTWOOD - 3 bdrm ranch, 1 1/2 car garage, fin bsmt, encl patio, new cesspool, washer/dryer, carpeting, original owner, relocating, will neg, 273-6634.

MASTIC BEACH - 2 bdrm ranch, large den/dining rm, paneled wood deck, 120x100 corner lot, s/s, full bsmt, low taxes, treed, new kitchen, storage shed, 28,000., 281-7763.

BELLPORT VILLAGE - 1/2 acre, 2 bath, 2 car garage, screened porch, attach greenhouse, many extras, \$49,500., 286-2724.

RIDGE PLOT - 1.14 acre, 102' frontage x 480' depth, approx, ideally located, fully wooded on quiet residential locale, 924-3236.

N. SHIRLEY - 4 bdrm colonial, 1 1/2 bath, fam rm w/fp, country kitchen, lg liv rm & din rm, w/w, oak floors, garage, \$31,500., 924-3794.

MIDDLE ISLAND - 7 rm ranch, 4 1/2 yr old, cul-de-sac, 1/2 acre, full bsmt, garage, w/w, s/s, near Rocky Pt, \$38,000., 744-9724.

E. PATCHOGUE - Custom brick home, 4 bdrm, liv rm w/fp, playroom, lrg grounds w/mature rare trees & shrubs, nice neighborhood, low \$40's, 286-8370 after 6 PM.

COPIAGUE - 2 bdrm condominium, central a/c, ref, stove, w/w carpet, balcony terrace, tennis, pool, marina, clubhouse, 887-1811.

E. MORICHES - Custom blt, 3 bdrm, 2 bath, cathedral liv rm, din rm, fp, 2 car garage, fin bsmt, private beach & marina rights, 878-2603 after 5:30 PM.

MASTIC BEACH - 4 yr old, 6 rm, full bsmt, fenced, 80 x 125, 281-5498.

BROOKHAVEN - s/o So Country Rd, custom blt, 4 bdrm, 2 bath, den, eik, liv rm, din rm, center hall, 2 car garage, central a/c, 286-0919.

MT. SINAI - Splanch, 1/2 acre, 4 bdrm, 1 1/2 bath, cath den, eik, din rm, cath liv rm, 2 car garage, patio, fenced, w/w, s/s, ohw, custom shades, low \$40's, 331-1325.

SETAUKET - 4 bdrm, hi-ranch, ideal for mother/daughter, or extra income, very convenient location, owner moving out of state, open for best offer, Martha, Ext. 3307, 751-8649.

N. SHIRLEY - 3 bdrm, den, s/s, w/w, large in ground, L shaped pool, 5 min from BNL, Dick, Ext. 4313 or 929-4551 after 6 PM.

SHOREHAM - "5 min to Lab," 7 yr old, 3 bdrm ranch, landscaped & wooded, 1/2 acre, carpet, a/c, appl & more, plus low taxes, \$33,750., 744-6772.

N. BABYLON - Mother/daughter, 3 over 5, 2 full baths, new kitchen w/dishwasher, microwave oven, fp, mirrored wall, paneling, w/w carpeting, full bsmt, attach garage, \$43,500., 669-0673.

LAUREL - 3 bdrm ranch, low taxes, full bsmt, fp, garage, 2 baths, beach rights, 289-0913 after 6 PM.

ROCKY POINT - 4 bdrm colonial, eik, 2 1/2 baths, fp, w/w carpeting, all appl, garage, wood deck, 1/2 acre, priv beach, 744-1156.

SHOREHAM - Custom built Colonial, 4 bdrm, liv rm, din rm, eik, 2 1/2 baths, laundry rm, 2 car garage, 1 acre, chain link fence, \$56,500., 744-2821.

SHOREHAM - Raised ranch, 3 bdrm, 1 1/2 baths, fam rm, eik, din rm, liv rm, garage, screened patio 18'x25', 1/2 acre, low taxes, \$38,000, firm, 744-5322.

CORAM - Dutch colonial, 3 bdrm, 2 1/2 baths, liv rm, fp, din rm, eik, one car garage, 1/2 acre beautifully landscaped, school dist #11, 331-1640.

For Rent

VERMONT - Furn chalet, fp, lake/pond swimming, canoeing, fishing, woodland trails, nearby tennis, golf, riding, music festivals, antiques, rent wkly/monthly, 757-5599 after 4 PM.

SOUND BEACH - 2 bdrm, 2 baths, fp, wooden floors, large garage, 744-1733.

ROCKY POINT - 2 bdrm apt w/utilities, \$325./mo, 15 min from BNL, 821-1054 anytime.

E. PATCHOGUE - Custom brick ranch, 3 lrg bdrm, 2 finished rm bsmt, 2 1/2 baths, formal din rm, lrg kit, fam rm, laundry rm, inground pool, \$600./mo, 289-3415.

MILLER PLACE - 3 bdrm on secluded 3/4 acre, avail Aug 1 for 12 mo, 928-0821 after 5 PM.

BELLPORT - 3 bdrm house for June-July-August, prime location, reasonable, 286-3742 or 289-6700.

MEDFORD - Share a house, 10 min from BNL. Looking for 2 other responsible individuals, \$200/mo ea, Ext. 4017 or 28