BROOKHAVEN BULLETIN
Vol. 45 - No. 25 June 21, 1991
BROOKHAVEN NATIONAL LABORATORY

Booster Accelerates Proton Beam

Members of the AGS/Booster RF Group in Bldg. 914: (clockwise from bottom) Arthur Otis, Mike Brennan, Tom Hayes, Richard Spitz, Ralph Sanders and Joe DeLong.

At right: Waveform from oscilloscope showing the bunched beam signal (top trace) in the Booster reaching its peak kinetic energy of 1.2 GeV at the same time that the main magnet current (center trace) peaks.

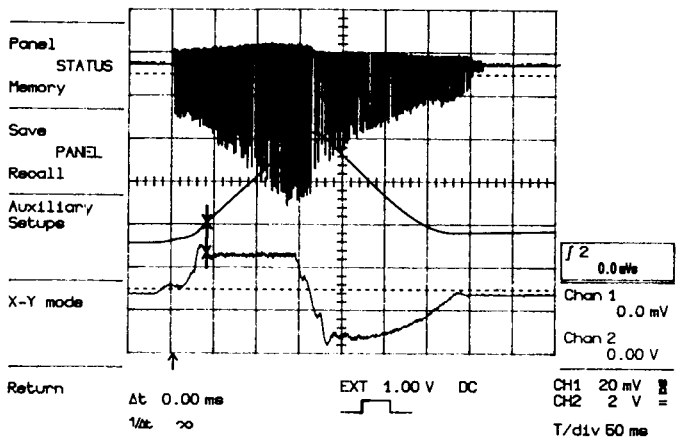
Photos on this page by Roger Stoutenburgh

Once again, the team involved in the commissioning of the Booster for the Alternating Gradient Synchrotron (AGS) gathered around oscilloscopes. And once again they saw another major milestone achieved when, on Thursday, June 13, at 8:48 p.m., a proton beam in the Booster was accelerated to a kinetic energy of 1.2 billion electron volts in 170 milliseconds.

Acceleration of the proton beam to top energy "is a big deal," said Booster Project Manager Bill Weng. "After all, that's why we call it an accelerator!"

This milestone tested the Booster's radio-frequency (rf) system — the only major system that had not been tested with beam previously. Voltage from the rf system causes an increase in the beam's energy. During this first test, more than 95 percent of the beam reached top energy as rf was increased, and about 65 percent returned to injection energy as the rf was decreased.

"The rf was the last link in the chain that had to fall into place for the Booster to reach its full energy," said Michael Brennan, AGS RF Group Leader, "and the RF Group had a lot of fun doing this project."



Bebon Becomes Rohrer's Deputy

Mike Bebon has been appointed Deputy to the Associate Director for Management and Physical Plant, Parke Rohrer, effective June 1.

In announcing Bebon's appointment, Rohrer noted, "Mike's management abilities are well matched to the expanding responsibilities assigned to this office. And, until a replacement is named as Manager of Plant Engineering, I have asked him to remain as Acting Manager."

Mike Bebon

Reporting directly to Rohrer, Bebon will oversee the day-to-day activities of the Central Shops, Contracts & Procurement and Plant Engineering Divisions, and the Quality Assurance and Laboratory Operations Support Offices. Rohrer will continue his direct involvement in the Project Management Office, X-Ray Lithography Project and BNL's activities for the Superconducting Super Collider.

After two years managing PE, Bebon said, "I look forward to working more closely with Central Shops, Contracts & Procurement, Quality Assurance and Laboratory Operations Support. I will also be very much involved in the Lab's construction budget and General Plants Projects [GPP] program."

Bebon moves on to his new responsibilities on a high note. In a June 7 memo to all PE employees, he wrote, "I have just reviewed the FY 1990 Summary Appraisal of BNL prepared by the Department of Energy [DOE]. . . . I am pleased to tell you that the section entitled 'Engineering, Construction and Facilities Management,' which evaluates our activities, was rated EXCELLENT. Previous ratings in this category have never exceeded a rating of GOOD. . . . You, individually and collectively, have earned this EXCELLENT rating for our Division, and I am proud of you. Congratulations!"

Mike Bebon came to the Lab in September 1980, as a project engineer with DOE's Brookhaven Area Office (BHO). In 1983, he became Chief of Engineering Construction and Facilities Management in the BHO, and the next year he was named Assistant Manager.

In 1987, Bebon switched from DOE to BNL, to become Special Assistant to Rohrer. He was named Manager of Plant Engineering in June 1989.

As Commander of the 106th Civil Engineering and Services Squadron of the New York Air National Guard, Bebon said that, during the Persian Gulf War, "I never got called up, but I had a bag packed since August 2."

Soon he'll have to pack again. He'll remain in Bldg. 134C for now, but once a new PE Manager is selected, he will move to the Director's Office, Bldg. 460.

Wolf Named Nuclear Pioneer

A pioneer in the development and use of radioactive tracers, BNL Senior Chemist Alfred Wolf was the 12th recipient of the Georg Charles de Hevesy Nuclear Medicine Pioneer Award.

Presented by BNL Senior Chemist Joanna Flower, the 1991 Pioneer Award was given to Wolf on June 11 by the Society of Nuclear Medicine, at its annual meeting in Cincinnati.

Within the Chemistry Department, Wolf heads the positron emission tomography (PET) program, which uses radiopharmaceuticals to study metabolic processes and the movement of drugs through the human body. His collaborative research has increased the understanding of such brain disorders as schizophrenia, Alzheimer's disease and tumors, and recent work has included the study of the effects of alcohol and cocaine abuse on the living human brain.

As a result, his laboratory work has had great influence on basic research in the neurosciences and on the clinical practice of nuclear medicine. And most cyclotron PET centers around the world have at least one scientist on their staff who has worked at BNL with Wolf and Fowler.

His pivotal contribution to these fields was the design, development and application of fluorine-18-labeled fluorodeoxyglucose (^{18}FDG) to the study of neurological and psychiatric disease. A radioactive tracer, ^{18}FDG was first synthesized for living human brain studies by Wolf, Fowler and their collaborators in August 1976, when it was used to produce the first PET pictures of the brain's metabolism.

This tracer is now routinely used in every PET center in the world to provide basic and clinical information; for example, to identify the area of the brain responsible for seizures, to select patients for coronary bypass surgery, to choose appropriate cancer therapies, and to monitor response to various treatments.

Wolf began his research involving the short-lived positron emitter carbon-11 after joining BNL's Chemistry Department in 1951. He was awarded his Ph.D. from Columbia University in 1952. Wolf served as Chemistry Department Chairman from 1982-87.

A member of the National Academy of Sciences since 1988, Wolf was awarded the Javits Neuroscience Investigator Award from the National Institute of Neurological and Communicative Disorders and Stroke in 1986, and, with Fowler, the 1988 Gustavus John Esselen Award for Chemistry in the Public Interest. He is the holder of two honorary degrees: Uppsala University Sweden, 1983; and the University of Rome, 1989.

Alfred Wolf

Schwartz Honored by Columbia

Because he has maintained strong ties to his undergraduate and graduate alma mater over the years, Columbia University was "doubly pleased" to recognize the "supreme scientific achievements" of Melvin Schwartz by awarding him the degree Doctor of Science, honoris causa. He was one of nine people who were granted honorary degrees from Columbia during the university's commencement exercises on May 15.

Melvin Schwartz

BNL's Associate Director of High Energy & Nuclear Physics, Schwartz was cited as a "Son of Columbia, visionary pioneer, bold entrepreneur: as a student at Columbia College, and then in the Graduate School of Arts and Sciences, you were early recognized as a talent destined for greatness. Your illustrious careers in science and industry have more than borne out that early promise."

The citation goes on to mention Schwartz's research with then Columbia colleagues Leon Lederman and Jack Steinberger that earned the three the 1988 Nobel Prize in Physics. At BNL's Alternating Gradient Synchrotron, they were the first in high energy physics to employ a neutrino beam, which resulted in their discovering the muon-neutrino in 1962.

In addition, Schwartz was commended for "important measurements on the K-meson and an imaginative investigation of atoms formed by pi-mesons and muons" done at Stanford University, and for turning "to another challenge, starting a new

(continued on page 2)

Van Slyke Distinguished Lecture

On Hereditary Cancer and Tumor Suppressor Genes

Alfred Knudson Jr.

Twenty years ago, Alfred G. Knudson Jr., a pediatrician and cancer researcher, made a discovery crucial to understanding the development of hereditary cancer. He found the so-called suppressor gene in a retinoblastoma tumor, a tumor of the eye that typically develops in children under three. Suppressor genes play a key role in inhibiting the formation of tumors.

Knudson will present his insights into this promising area of cancer research in a Donald Van Slyke Distinguished Lecture entitled "Hereditary Cancer and Tumor Suppressor Genes," on Monday, June 24, at 8 p.m., in Berkner Hall.

Retinoblastoma is a hereditary disease that starts with a mutation in the retinoblastoma gene, which allows the tumor to develop. Suppressor genes generally stop the growth of a malignant clone that ultimately results in tumor growth. Since Knudson's discovery, suppressor genes for other types of tumors have been found. Further knowledge of how these suppressor genes work could be significant in the effort to control cancer.

Knudson is a senior member of the Institute for Cancer Research at the Fox Chase Cancer Center in Philadelphia, Pennsylvania, and an adjunct professor of pediatrics and human genetics at the University of Pennsylvania. He earned his M.D. from Columbia University, and his Ph.D. in biochemistry and genetics from the California Institute of Technology. Knudson is a board-certified pediatrician and the author of numerous scientific articles on cancer and genetics.

Donald Van Slyke was a renowned biological chemist who, after his retirement from the Rockefeller Institute of Medical Research, came to BNL, where he organized both the Biology and Medical Departments, and served as Associate Director for Life Sciences until 1951. Established in 1987, this annual memorial lecture in his name has been presented at BNL by noted scientists in the biological and medical fields.

Coming Up

Science historian Spencer Weart of the American Institute of Physics will present an AUI Distinguished Lecture on "Nuclear Fear: Origins and Consequences." His talk will begin at 4:30 p.m., on Monday, July 8, in Berkner Hall.

BWIS Seminar

Modernizing the Weather Service

Though some of the most destructive weather events are short-lived, relatively local disturbances, until now, the National Weather Service (NWS) has focused on the more slowly changing, larger-scale features of the atmosphere.

This is about to change, as the NWS is modernizing its operations. It is expected that this modernization will usher in a new era for forecast, and severe weather and flood warning services in the U.S.

Susan Zevin

"National Weather Service Modernization" will be discussed in a lecture by Susan Zevin, Director of the NWS Eastern Region. Sponsored by Brookhaven Women in Science, Zevin's talk will take place on Thursday, June 27, at 11 a.m. in the seminar room of Bldg. 318.

An arm of the National Oceanic and Atmospheric Administration of the U.S. Department of Commerce, the NWS predicts and reports the weather of the U.S. and its possessions, issues warnings against impending natural destructive events, and provides services in support of weather-sensitive activities such as aviation, agriculture and air-quality control. One of four regional centers, the NWS Eastern Region has officies at Islip MacArthur Airport.

Susan Zevin began working for the NWS in 1974 as a hydrologist at the NWS headquarters in Maryland, moving up to staff hydrologist in 1980 and senior hydrologist. She became the service's focal point in 1986, evaluating NWS forecast operations and services to help plan the NWS moderization.

In 1987 she was named Acting Director of the NWS Eastern Region before becoming its Director in 1988.

Zevin was granted an M.A. in geography from the University of Tel Aviv, Israel, in 1974, and received her Ph.D. in hydrology and water resources in 1986 from the University of Arizona.

Those who would like to lunch with the speaker in Room A, Berkner Hall, following her talk at 12:30 p.m. are invited to make reservations, at $11.50 per person, by Tuesday, June 25, with Lenore Dudzick, Ext. 2954.

Note to Employees:

Attendance at lectures, meetings and other special progams held during normal working hours is subject to supervisory concurrence.

Life in Vilnius

Routa Kapociute, a research fellow in the Laser Research Center of Vilnius University, will offer "Documentary Sketches of Lithuania," in a Brookhaven Women in Science-sponsored informal talk on Thursday, June 27, at 5:15 p.m., in Berkner Hall, Room B.

In addition to giving a personal perspective to events that began unfolding in her native Lithuania in January 1991, Kapociute will show a video documenting those events. A question-and-answer period will follow.

Kapociute earned her undergraduate degree at Vilnius State University, Department of Physics in 1979. She received her Ph.D. in 1989, from the Institute of Biophysics of the Semmelweis Medical University in Budapest, Hungary.

Leaving the Lab — After 35 Years or More!

Grace Searles was 24 years old when the lace factory in the rambling red mill in Patchogue shut down in 1954. But she wasn't out of work long. When electrician Ernest Stihel was hired at BNL, he passed the word to Personnel that there were others who needed work.

So that's how Searles came to start at the Lab on November 22, 1954. She was assigned life number 4088 and began as a secretary in the Hot Laboratory.

Rising steadily through the secretarial ranks, she was promoted to senior secretary in 1960, executive secretary in 1969, and senior executive secretary in 1984.

Now in the midst of her 36th year at BNL, Searles will retire from the Structural Analysis Division of the Department of Nuclear Energy (DNE) next Wednesday, June 26.

All of Searles' years at Brookhaven have been spent in the same department, though that department has changed names several times. When she began her 20 years with the Hot Lab, under Louis Stang, it was the Nuclear Engineering Department (NED). She was still with the Hot Lab when NED became the Department of Applied Science (DAS) in 1969.

Searles became part of Donald Schweitzer's High Temperature Gas Reactor Group in DAS in 1974, and was there in 1977 when DAS was split into DNE and the Department of Energy and Environment, which reverted to DAS in 1983. Three years ago, she joined Morris Reich in DNE's Structural Analysis Division.

Grace Searles

The tools of Searles' trade have also changed drastically over the years, "going from a manual typewriter to a PC! We had a lot of scientific reports to do on just clunky old typewriters," she recalled. "Electric was a big step, then we got typewriters with extra keys for Greek letters. But looking back, I don't know how we did it," she mused, adding, "and *how* did we do it without copying machines?"

She did it, she remembers, in "an atmosphere that has always been nice and casual, where most of the people have always been great." Particularly in the early days, she said, "The Lab was like a big family. Our whole building would go the ocean for parties or to picnics at the Commandant's house [a structure then remaining from the site's former days as U.S. Army Camp Upton].

"It's a good place to work, no doubt about that, with the people, atmosphere, fringe benefits — everything!" Searles said. "The time went so fast, I can't believe it."

Now that retirement is here, Searles intends to make the most of it. "I'm starting immediately with fun," she said, "going to Wildwood, New Jersey, for the 'Polka-by-the-Sea' festival."

That's only the first of the camper travels Searles plans to take with her friend. "I haven't seen much of this country," she said. "I want to go cross country, right out to California!"

When she's not traveling, said Searles, "I have a little house in East Patchogue. There are a couple of projects I would like to tackle — like laying bricks, believe it or not! And just having time to call my own will be such a wonderful feeling."

— Anita Cohen

ANS Meeting

Sheldon Schreiner, Section Head, Reactor Fuels, Long Island Lighting Company, will speak on "The Saga of Shoreham's Fuel," at the next meeting of the Long Island Section of the American Nuclear Society (LIANS), on Wednesday, June 26, at the Bavarian Inn, Lake Ronkonkoma, 8 p.m. Following cocktails at 6 p.m. and buffet dinner at 7 p.m., the speaker will be introduced by Eena-Mai Franz, BNL's Department of Nuclear Energy, past president of LIANS. For reservations, call Mitzi Tate or Pat Meegan at 436-4227.

Schwartz (cont'd)

company to produce electronics components."

Schwartz earned both his A.B. and his Ph.D. in physics from Columbia, in 1953 and 1958, respectively. He first came to BNL in August 1955, to perform his thesis research at what was then BNL's only accelerator, the Cosmotron.

Following the completion of his thesis, Schwartz continued as a guest researcher at Brookhaven, while climbing up the academic ranks at Columbia to become a professor of physics. He moved to Stanford University in 1966 and founded the computer-security company Digital Pathways, Inc., in 1970.

In addition to returning to Brookhaven in February of this year, Schwartz will return to the Columbia faculty this fall.

Melvin Schwartz is a member of the National Academy of Science and a fellow of the American Physical Society. In addition to the Nobel Prize in Physics, Schwartz was the recipient of the 1964 Hughes Prize of the American Physical Society.

Wing Report Now in Library

In March 1991, epidemiologists led by Steve Wing of the University of North Carolina, released a study of low-level radiation effects on workers at the Oak Ridge National Laboratory. The study was funded by the U.S. Department of Energy (DOE).

At DOE's request, BNL now has several copies of the Wing report available in the Research Library, along with a collection of expert opinions discussing the validity of the report.

Anyone who has further questions after reading this material may contact Bryce Breitenstein, Head of the Occupational Medicine Clinic, Ext. 3668, or Robert Casey, Head of the Safety & Environmental Protection Division, 4654.

Camera Club

The Camera Club will change the pictures in the photo exhibit in Berkner Hall at 5:15 p.m. on Thursday, June 27. Photos to be displayed must be mounted and ready to hang. Photographers may submit prints for the exhibit even if they are not able to attend the June 27 meeting.

Contributors may be Camera Club members or nonmembers who have photos that meet the exhibit's display criteria. For information, call Lew Jacobson, Bldg. 134C, Ext. 5193; Ripp Bowman, Bldg. 911B, Ext. 4672; or Anne Baittinger, Bldg. 134, Ext. 5055.

Equipment Demos

Panduit Sales Corporation will present their "Trade Show on Wheels" on Tuesday, June 25, from 9 a.m. to 1 p.m., in the parking lot of Berkner Hall. The show will feature electrical and electronic products and tooling, and refreshments will be served.

•

Instrumentation Products Inc. will present products from the firms they represent on Wednesday, June 26, from 10 a.m. to 2 p.m., in Berkner Hall. On display will be products from Azonix Corporation, General Monitors Inc., Gilflo, Heimann Systems Co., Kipp & Zonen, Process Control Systems, Promac U.S.A. Inc., Sensotec, and Trip-A-Larm Corporation.

Scoop of the Week

Summer begins today at 5:19 p.m. — and, at that very minute, the fourth annual Scoop of the Week contest officially begins.

The first scoop of the season goes to the staff of the Personnel Records Group in the Personnel Division: Bonnie Miller, Darlene Peragine and Sharon Goode for informing the Bulletin that Karen Cordaro was issued BNL life number 20000.

Throughout the summer, Bulletin readers are invited to trade their hot tips for scoops of frozen yogurt in the Scoop of the Week contest. To enter, rush your ideas for BNL news or features to the Brookhaven Bulletin, Bldg. 134, or call Ext. 5053. If you scoop the Bulletin's informed sources and a story based on your idea is published, then you'll win an official certificate for ice cream or frozen yogurt, compliments of Service America Corporation and redeemable at the Cafeteria or ice cream truck.

Softball

Standings as of June 14

League I *		League II	
Blue Jays	5-1	Up & Atom	5-0
Cool 'n Gang	4-1	Six Pax	5-1
Light Source	3-1	Dirty Sox	3-1
Phoubars	3-2	CCD	1-3
Cutting Edge	2-4	Cocoon	1-3
Ravens	1-1	Lights Out	1-3
Scrambled Legs	1-4	Titans	1-3
Magnuts	0-5	Scram	1-4

* as per score sheets

League III		League IV	
Phase Out	4-0	Sting Rays	6-0
Sure Fire	3-1	Snake Bites	5-1
Medical	2-2	Fielder's Choice	4-2
BDA	1-3	Brewers	2-4
Big Sticks	1-3	Parke Ave	0-5
Quantum	1-3	Simply Awesome	0-5

League V			
Roustabouts	5-0	Moulson Express	3-3
Personnelities	5-1	Ha Has	2-3
Source	3-1	What's on Second	2-4
Just for Fun	4-2	Snafu	1-5
Lead Bottoms	3-3	Thirtysomething	1-6

Arrivals & Departures

Arrivals

None

Departures

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

Barbara A. Spears.....Fiscal

BROOKHAVEN BULLETIN

Published weekly
by the Public Affairs Office
for the employees of
BROOKHAVEN NATIONAL LABORATORY

ANITA COHEN, Editor
MARSHA BELFORD, Assistant Editor
LIZ SEUBERT, Reporter

35 Brookhaven Ave., Upton, N.Y. 11973
(516) 282-2345

Raccoons: Rollicking but Risky

A little after 5 p.m., when most BNLers are heading home for the day, another group of Lab inhabitants are just making their way to the office. From early evening until late into the night, raccoon families can be seen feeding and strolling all about site.

It is fun to watch these roly-poly creatures as they wander the BNL grounds in search of their next meal, but it is important to remember that raccoons do not live or work in hermetically sealed clean rooms.

These same rascally raccoons can bite when cornered and, if a statewide trend continues, could be carriers of rabies.

Currently, there has been no reported case of rabies-infected raccoons in Suffolk County, but more than 223 rabid raccoons have been confirmed in New York State, 23 of them in Westchester County. Thirty people in that county are currently being treated for exposure to and bites from infected animals.

While local raccoons probably won't be in danger of being infected with the disease for months, two cases of bats with rabies have been reported in Suffolk County. But, bats, unlike raccoons or infected pets, rarely transmit the disease to humans.

If untreated, rabies is always fatal to animals and humans. It can be carried by red foxes, skunks, groundhogs, squirrels, and cats and dogs bitten by an infected animal. The Suffolk County Health Department is developing a rabies-control program that will include mandatory rabies vaccination for all dogs and cats, to help protect them and their owners.

The threat of rabies at this time is minimal and no cause for panic, but it is wise to remain informed of the dangers that are part of nature's beauty. — Erik Larson

Larson is a summer student in the Public Affairs Office.

This raccoon had an unexpected day at the office last February, when he dropped into Graphic Arts, Bldg. 197B. After his rescue by Joe Lopez and Phil Sgro of Plant Engineering's Grounds Maintenance Group, and their supervisor Tage Carlsson, the raccoon was released into the BNL woods.

In Memoriam

Salvatore J. Rosato, who came to BNL in April 1947 to join the fledgling Laboratory's brigade of firefighters, died on June 7. He was 81 years old.

After three years with BNL Fire Group, Rosato became a patrolman with the Police Group in June 1950, wearing badge number 5. He retired from the Plant Protection & Security Division in December 1969.

After retirement, Rosato and his wife Trudi moved from Mastic to Hallandale, Florida. In addition to his wife, he is survived by his four children: Trudi Nuta, Florida; Peter Rosato, Mastic; Marilyn Davis, Florida; and Fred Rosato, Eastport.

P-CAD User Meeting

The next P-CAD User Group Meeting will be held on Monday, June 24, at 9:30 a.m., in the seminar room of Bldg. 515, Computing & Communications Division. Representatives of P-CAD and CADAM will answer questions about release 5.0 and to discuss other issues. For more information, call Pam Mansfield, Ext. 7286.

Amateur Radio Club

The Amateur Radio Club will hold its annual Field Day exercise at the gazebo in the recreation field from 8 a.m. on Saturday, June 22, to 3 p.m. on Sunday, June 23.

The club's regular monthly meeting will take place in Berkner Hall, Room D, on Thursday, June 27, at noon.

All Lab employees and licensed amateur radio operators are invited to attend both functions. For more information, contact Andy Feldman, Ext. 3264, or Gary Utz, Ext. 3580.

Tennis Ladder

To find out where you rank in the BNL tennis scene, sign up now at the tennis courts for the 1991 singles tennis ladder. Players of all levels are invited.

The format is a pyramid, with each player eligible to challenge any other player on the same or next higher level. In the first two weeks, open challenges at any level are allowed, with scheduling of matches at both players' convenience. Participants are asked to play at least one challenge match per week.

The challenger is expected to provide a can of new or once-used balls. Unless players agree beforehand to another scoring system, the first player to take eight games wins, with a 12-point tiebreaker played in the event of a 7-7 score.

Write scores on the sheet posted courtside, where new rankings will be posted weekly. For more information, call Peter Vanier, Ext. 3535.

Summer T-Shirts and Sweatshirts

"Expanding the Horizons of Nuclear Physics" is the theme of this summer's BNL T-shirts and sweatshirts, now on sale to all employees, students and visitors. T-shirts are $7 each, and sweatshirts are $13 each. Prices include tax.

These royal blue shirts sport a white and yellow "burst." Made of 50% cotton and 50% polyester, they are available in unisex adult sizes: small (34-36), medium (38-40), large (42-44), extra large (46-48); and unisex children's sizes: small (6-8), medium (10-12) and large (14-16).

Shirts must be ordered by August 16 and each order must be accompanied by cash or money order made payable to "BERA - Shirts '91." No personal checks, please. Orders and payments can be mailed to T-shirts, c/o Renée Flack, Bldg. 490, or brought to the Brookhaven Center, 11:30 a.m. to 1:30 p.m., on Monday, Wednesday or Friday only. Allow two weeks for delivery.

AUI Office Moves

The Washington, D.C. headquarters of Associated Universities, Inc., have been moved from 1717 Massachusetts Avenue to 1400 16th Street N.W., Suite 730, Washington, D.C. 20036. The phone number remains the same: (202) 462-1676. Also unchanged is the FAX number: (202) 232-7161.

IBEW Meeting

Local 2230, IBEW, will hold its regular monthly meeting on Monday, June 24, at 5:30 p.m., in the Knights of Columbus Hall, Railroad Avenue, Patchogue. There will also be an afternoon meeting for shift workers at 2 p.m., in the Union Office at 31 Oak Street, Patchogue. On the agenda will be regular business, committee reports and the president's report.

Summer Aerobics

The Aerobic Dance Club will hold two 8-week summer programs: Monday stretch, and Tuesday and Thursday aerobic dance classes.

Both sets of classes will run from 5:15 to 6:15 p.m. A mat is suggested for floor exercises in both classes.

The fee for each eight-week session is $24, payable at registration, which will precede the first class, to be held in the Recreation Building as follows:

- Stretch - Monday, July 8
- Aerobic Dance - Tuesday, July 9

For more information, call Pat Campbell, Ext. 5158, or Janet Sillas, Ext. 2345.

Volunteers Needed

Male volunteers, ages 20 to 70 and in good health, are needed to participate in brain and heart imaging studies being conducted by BNL. A fee will be paid. For more information, call Naomi Pappas, Ext. 2694.

Cafeteria Menu

Monday, June 24	
Soup: Chicken noodle	.75/.95
Entree: Barbecued chicken w/1 veg.	3.10
Entree: Cheese ravioli in marinara sauce & 1 veg.	3.10
Fitness: Shepherd's pie w/1 veg.	3.10
Carvery: Hot pastrami sandwich	2.85
Grill: Chicken cutlet w/cheese & bacon	2.85
Tuesday, June 25	
Soup: French onion	.75/.95
Entree: Italian sausage w/peppers & onions & 1 veg.	3.10
Entree: Stir-fried beef & broccoli	3.10
Fitness: Linguini w/clam sauce	3.10
Carvery: Hot roast beef sandwich	2.85
Grill: Swiss mushroom burger & 12 oz. soda	2.95
Wednesday, June 26	
Soup: Cream of broccoli	.75/.95
Entree: Quiche Lorraine w/1 veg.	3.10
Entree: Eggplant Parmesan w/1 veg.	3.10
Fitness: Oven-broiled fish w/1 veg.	3.10
Carvery: Hot Black Forest ham sandwich	2.85
Grill: Grilled cheese quartet w/fries	2.85
Thursday, June 27	
Soup: Beef rice	.75/.95
Entree: Southern-fried chicken w/1 veg.	3.10
Entree: Baked potato w/topping (each)	1.50
Fitness: Chef's choice	3.10
Carvery: Hot corned beef sandwich	2.85
Grill: Cheesesteak sub w/lettuce, tomato, onions	2.85
Friday, June 28	
Soup: Fish chowder	.75/.95
Entree: Sweet & sour pork over rice	3.10
Entee: Chef's choice	3.10
Fitness: Baked fish w/1 veg.	3.10
Carvery: Hot turkey sandwich	2.85
Grill: Tuna melt w/fries	2.85

Golf Tournament

The BGA will hold its third golf tournament of 1991 on Monday, July 1, at the Timber Point Suffolk County Golf Course. The tournament will be held as a four-person scramble, made up of A and B players. A listing of all A and B players has been mailed to BGA membership; nonmembers may obtain a list by contacting the starter, See-Meng Wong.

The tournament will have at least two flights depending upon team strength. A valid team can consist of no more than two A-rated golfers. Tee-times will run from 10 a.m. through 12:30 p.m. For more information, contact Wong, Ext. 2111.

Classified Advertisements

Placement Notices

The Laboratory's placement policy is to select the best-qualified candidate for an available position. Consideration is given to candidates in the following order: (1) present employees within the department/division and/or appropriate bargaining unit, with preference for those within the immediate work group; (2) present employees within the Laboratory; and (3) outside applicants. In keeping with the Affirmative Action plan, selections are made without regard to age, race, color, religion, national origin, sex, handicap or veteran status.

Each week, the Personnel Division lists new placement notices. The purpose of these listings is, first, to give employees an opportunity to request consideration for themselves through Personnel, and, second, for general recruiting under open recruitment. Because of the priority policy stated above, each listing does not necessarily represent an opportunity for all people.

Except when operational needs require otherwise, positions will be open for one week after publication.

For more information, contact the Employment Manager, Ext. 2882, or call the JOBLINE, Ext. 7744 (282-7744), for a complete listing of all openings.

The vacancies listed below have been exempted by the Director's Office from the current freeze on open requisitions.

LABORATORY RECRUITMENT - Opportunities for Laboratory employees only.

DD 6031. DESIGN POSITION - Requires minimum 15 years' experience in tooling design. Must have the ability to perform professional-level design functions, a thorough knowledge of engineering fundamentals, machine design, CADD and machine shop procedures, as well as an understanding of MIL-STD-100 and ANSI Y 14.5-1982. Responsibilities will include full implementation of a project from concept to conclusion. Previous supervisory experience desirable. Accelerator Development Department.

NS 0927. ENGINEERING POSITION - Requires BSEE and five years' experience with high-power power supplies, and background in planning and organization of power distribution systems. Initial responsibility is the layout and system planning of the RHIC magnet electrical system. RHIC Project. Accelerator Development Department.

OPEN RECRUITMENT - Opportunities for Laboratory employees and outside applicants.

NS 0922. TECHNICAL POSITION - Requires AAS degree or equivalent experience and the ability to work from electrical and/or mechanical blueprints or sketches in building and troubleshooting complex equipment. Must have leak detection (components & systems), PPA, handling of cryogens, use of machine and hand-tool experience (reposting). RHIC Project. Accelerator Development Department.

NS 0948. ENGINEERING POSITION - Requires BS in science or engineering and a minimum of seven years' QA experience in an engineering/production environment with at least three years' managerial or supervisory experience. Will be involved in preparing QA procedures, training personnel, preparing technical and process specifications, performing surveys, audits, etc. RHIC Project. Accelerator Development Department.

LL 00907. PROGRAMMING POSITION - Requires a BS degree in computer science or business administration. Experience with MIS on-line systems, databases and AD HOC inquiries. Knowledge of fourth-generation languages, COBOL and Hewlett Packard 3000 systems desirable. Working knowledge of departmental administrative systems preferred. Responsibilities will include coding business-system application software. Management Information Systems Division.

DD 5035. TECHNICAL POSITION - Requires BSET/BSMT or equivalent. Knowledge of digital and analog circuits, mechanical and vacuum technology, and experience in the construction of prototype and final assemblies also required. Must be able to work from verbal and written instruction, drawings and schematics. National Synchrotron Light Source Department.

Motor Vehicles & Supplies

89 DODGE PICKUP - 4wd, a/t, ac, V-8, 8' bed, like new, asking $9,500. 286-4206, leave message.

89 KX250 DIRT BIKE - ported, fast, used one season, excel. cond. Lois, Ext. 4904 or Brett, 929-4753 eves.

89 DODGE 150 RAM VAN - 16.2k mi., 8-cyl., a/t, HD susp., ac, sliding side door, am/fm stereo, $9,500. Mike, Ext. 2013 or 385-8123.

89 MITSUBISHI PRECIS - 30k mi., 5-dr., a/t, am/fm cass., sunroof, $13,900. Sheila, Ext. 3166.

87 NISSAN STANZA GXE - 4-dr., a/t, ac, p/s, p/b, loaded, 71k mi., v.g. cond., $4,400. Ext. 2610 or 924-5272.

87 FORD RANGER 4x4 - 6-cyl., EFI, toolbox, roll bar, push bar, brush guard, am/fm cass., v.g. cond., $7,250. John, Ext. 4843 or 821-6587.

87 NISSAN SENTRA - red, 2-dr., 5-spd., sporty, new muffler & brakes, excel. cond., $4,000. Sharon, Ext. 2876.

86 T-BIRD - 2-dr., V-6, loaded, new battery, tires, excel. cond., must sell, $3,500. Wuu-Jyh, Ext. 4386 or 399-0253.

86 CHEVROLET CHEVETTE - red, excel. cond. in & out, must sell soon as possible, asking $3,000 neg. 286-9426.

86 DODGE COLT - 4-spd., 2-dr., 75k mi., excel. cond., $2,150 neg. Ext. 3543.

84 CADILLAC COUPE DE VILLE - tan, ac, cruise, tinted windows, loaded, excel. cond., $3,700. Bill, Ext. 2906 or 929-4529.

83 MERCURY LYNX - 4-dr., a/t, 4-cyl., good transport, $1,100. Tallon, Ext. 5454 or 821-5801.

82 YAMAHA XS400HS STREET MOTORCYCLE - 6k mi., many accessories, classy, $800 neg. 878-2702 after 6:30 p.m.

82 DODGE RAM CAMPER VAN - 89k mi., sleeps 4, extras, excel. cond., must sell, $4,800. Judy, 924-6129.

81 VOLKSWAGEN RABBIT LX - 4-spd., 2-dr., fuel injection, sunroof, $1,100. Paul, Ext. 3089.

81 TOYOTA TERCEL - 5-spd., ac, radio, new battery, 128k mi., good cond., $550. Peter Thieberger, Ext. 4004 or 286-0934.

80 CAPRI - high mileage, 6-cyl., a/t, p/s, p/b, $600. 654-5479.

73 FORD MUSTANG MACH 1 - 351 Cleveland, many new parts, must see, $3,000 neg. Longacre, Ext. 3713 or 744-7157.

67 CAMARO - new paint, new quarter panels, Centerline rims & BF Goodrich tires, 12-bolt rear, 4-spd., $7,500 neg. Michele, Ext. 2907.

TRAILER - 32' Holiday, excel. cond., must see to appreciate, many extras, priced to sell. 924-3291.

CAMPER - 23' Layton, sleeps 8, full bath, ac, $2,999.99 neg.; motorcycle, '84 Honda Hawk, 450cc, $599.99 neg. Joel, Ext. 5988 or 744-1628.

SLIDE-ON CAMPER - icebox, sink, stove, sleeps 6, queen-size & double beds, $375 neg. 751-8478.

Boats & Marine Supplies

36' PACEMAKER - 1974 Sportfish, reblt. '84 twin 350-h.p. Crusaders, electronics, radar, raft, extras, offshore ready, $55,000 neg. 732-9118.

27' IMP CRUISER - sleeps 4, 260-h.p. Merc., excel. cond., must see, orig. owner, neg. Rob, Ext. 5259.

25' AQUASPORT - 1987, 200-h.p. Merc., w/9.9-h.p. kicker, new canvas, Loran & more, sleeps 3, in water, immac. cond., $20,000. 878-0480 eves.

25' MORGAN SAILBOAT - recent sails & ob., will launch; 18' Sol-Cat catamaran, trailer, beach wheels, $1,200. Steve, Ext. 4008 or 821-0686.

22' CATALINA SAILBOAT - 6-h.p. Johnson, new mainsail & tiller, trailer, $4,250. Barbara, 929-8912.

20' CLAMBOAT - cabin, self-bailing, f/g, very seaworthy, excel. cond., $750. 563-6680.

19' RINKER CUDDY - 1986, 120-h.p. i/o, camper canvas, low hrs., extras, Easy-Load trailer, $6,900. Ext. 2223.

17' O'DAY SAILBOAT - w/4.5-h.p. Johnson, like new, all access., aluminum trailer, $2,500. Will, 878-6639.

16' BOWRIDER - 65-h.p. Johnson, tilt trailer, p/winch, $1,800. Jim, Ext. 3372 or 821-0250.

14' HOBIE CATAMARAN - roller reefing jib, trailer, v.g. cond., $1,600 or best offer. Ext. 7657 or 298-9560.

FIBERFORM BOAT - 1977, i/o, flybridge, dual controls, new engine, low hrs., extras, in water, $6,500. 878-2452.

TRAILER - for 16' or smaller boat, asking $200. Pete, Ext. 5105 or 399-2813 after 5 p.m.

SAILBOARD - Vinta beginner's board, adult 6.0 rig, junior 3.0 rig, free lesson, $390. 878-0898 eves.

MOORING - 220 lb. mushroom anchor, 45' chain w/in-line swivel, s/s buoy w/thru rod, s/s top & bottom swivels, $175. Art Rosenky, 924-3553.

MOORINGS - two, 75 lbs. ea. 689-9234.

Furnishings & Appliances

AIR CONDITIONER - GE, 6,000 Btu, bought 7/90, seldom used, $225. Ext. 2267 or 395-6520.

AIR CONDITIONER - good cond., $25; bass guitar & amplifier, like new, $150; sewing machine table, $15. Bob, 929-6748.

BASE CABINET - w/sink & faucet, excel. cond; GE refrig., 14 cu. ft., $40; gas range & oven, 20" wide, v.g. cond. Tony, 698-9274.

BEDROOM - Mediterranean, 7-piece, $300; living room, couch, love seat, camelback, dark red w/tan tub chair, $200. Rod, 751-7023.

CAPTAIN'S BEDS - 2, 3-drawer, $50/ea.; student desk & chair, $35; 2 single beds, headboard, frame, $20/ea. Bob, 929-6748 after 5 p.m.

FOLDING CHAIRS - five, $4/ea. or $16/all; bar stool, $4; end table, $4; student desk, $6; steel shelf unit, $6. 689-8605 eves.

HUMIDIFIER - Ultrasonic, 2.5 gal., used 2 yrs., $5; woven rattan, open-weave rug, 5' dia., $25; electric cookie press, new, $5. Kathleen, Ext. 5868.

LOVE SEATS - 2, contemporary, $100 or best offer. Donna, Ext. 4103 or 821-2875.

DESK - oak, 3 large drawers, hinged top, stained maple color, $50. 331-3569.

PORCH CHAIRS - 2, rattan, w/new cushions, excel. cond. Pat, Ext. 2452.

CHAIRS - 4, PVC, w/cushions, $30; PVC lounge w/cushion, adjustable, $20; small rolling wooden bar, $45. 732-2720.

REFRIGERATOR - GE, 24 cu. ft., side-by-side, gold, excel. cond., asking $150. Chris, Ext. 2022 or 395-6112.

ROOM DEODORIZER - $30. Ext. 2534.

RUG SHAMPOOER - steam cleaner, $95. Ext. 5320.

WASHER/DRYER - Kenmore, heavy-duty, large cap., 10 mo. old, barely used, $500/pr. 821-5470.

Tools, House & Garden

LAWN MOWER - electric, 3 yrs. old, good cond., $35. 474-3799.

REDWOOD - 675 lin. ft. of 1x6 (T&G) No. 1 grade California redwood w/140 lin. ft. of 1x3 redwood moldings, still wrapped, $325. Barry, Ext. 5624.

CHAINSAW - Oregon, 18" bar, self-lubricated, hardly used, orig. $300+, sell for $195. 874-4845 after 6 p.m.

CHAINSAW - Sears, never used, 18", gas, orig. $185, sell for $125; Sears Craftsman snowblower, never used, $150. Joann, 472-6742.

LAWN CHAIRS - set of 4, classic, metal, white, brand-new, never used, still in orig. box, $70. Ext. 2267 or 395-6520.

EXTERIOR DOOR - almost new, full thermal glass, 32"x80", $60. Richard Gagliardi, Ext. 3082.

GENERATOR - Niagara, 4,000W, never used, 110-220V, $375 neg. Joel, Ext. 5988.

Sports, Hobbies & Pets

BICYCLE - Trek 400, 52 cm., like new, $375. 473-2473.

JACK LALANNE CLUB MEMBERSHIP - gold card, lifetime, $300. Penny, Ext. 2625.

POOL PUMP - & filter, ½ h.p., sand, like new, $50. 744-2060.

ROTTWEILERS - AKC, champion breed, born May 9. Chris, 654-1146.

SOFTBALL GLOVE - Wilson, like new, for left-handed person, $20. Sydell, Ext. 3389 or 727-6385.

TELESCOPES - three 6" & one 8", made at the Hayden Planetarium optical shop, $100/ea. Ulysses, Ext. 7584.

Audio, Video & Computer

COMPUTER - IBM compat., w/80287 coprocessor, 32 meg hard drive, 2 floppies, DOS 3.3, $500. 751-8240 eves.

COMPUTER - Apple, w/NEC printer, 2 disk drives, excel. cond., ideal as word processor, $500. Andy, 751-0453.

DISK DRIVE - Commodore 1541, $50; BMC color composite monitor, $50; fastload, $7; 2 Wilco joysticks, $10/ea., more. Dan Harfe, 585-8381.

SPEAKERS - 2 pairs, bookshelf, $10/ea. pair. Bob, 929-6748 after 5 p.m.

TV - 13", b&w, portable, hardly used, good cond., $20. Ext. 2267 or 395-6520.

TYPEWRITER - IBM Selectric II, office size, tan, good cond., $25. Kathy, Ext. 2267 or 395-6520.

Miscellaneous

AIRLINE TICKETS - 4, coach class, US Air, must use by Aug. 2, $250/ea. Carl, Ext. 4420.

METS TICKETS - 2, first row loge, reserved, section 22, 7:40 p.m., June 25, July 11, July 16 & Sept. 3. Dick, Ext. 2911.

STEAM IRON - $10; pine rooster clock, $20; child's bike, $10; patio umbrella, $20; water skis, $20; suitcase, $10. Kathy, 744-2203.

TICKETS - 4, Mapapa Acrobats & laser light show, July 4, eve., SUNY Stony Brook, orig. $17, make offer. Ext. 5091.

VACATION CERTIFICATE - to Freeport, Bahamas for 2, unscheduled, incl. round-trip air, 6 nights hotel & cruise. Mike, Ext. 7165.

Free

AIR CONDITIONER - 1988 Fedders, needs repairs, you pick up. 472-0510.

CAT - beautiful American Curl, neutered, w/papers, loving home. Harvey, Ext. 3758.

Car Pools

COMMACK/SMITHTOWN - looking for ride. Mary, Ext. 5923.

HOLBROOK - biology summer student looking for car pool. Brian Harfe, Ext. 3350 or 585-8381.

RIVERHEAD/AQUEBOGUE - join or establish carpool. Pat, Ext. 2452.

Real Estate

Real Estate advertised for sale or rent is available without regard for the race, color, creed, sex or national origin of the applicant.

For Rent

ASTORIA, QUEENS - studio apt., 24-hr. doorman, valet parking, health club, pool, shuttle to subway, overlooks Triborough Bridge, avail. immed., $900/mo. Ken Hammer, Ext. 7311 or 254-4331.

BROOKHAVEN HAMLET - 3-bdrm. Colonial, 2½ baths, spacious, fam. rm., fp, great rm./bar, 2-car gar., all appl., w/w, extras, avail. Aug. 1, $1,200/mo. + util., 2 mo. sec. 286-0336.

CORAM - 2-bdrm. house, l/r, d/r, eik, den, gar., large yard, walk to shopping. Pete, 736-6690.

CORAM - own room in a spacious house, $350/single or $550/huge master bdrm. w/priv. bath. Ext. 7897 or 331-0807.

HUNTINGTON - 1-bdrm. apt., spacious, w/w, appl., priv. ent., backyard, $790/mo. incl. util., near N. State Pkwy., 35 min. BNL. Mike, Ext. 2013 or 385-8123.

MATTITUCK - 2-bdrm. ranch, fam. rm., l/r, d/r, deck, full bsmt., w/d, $900/mo. Dave, Ext. 5460.

MEDFORD - large 4-rm. apt., master bdrm., full bath, l/r, d/r, eik, cabinets, closets, storage galore w/w, deck, pvt. ent., near LIE, nonsmoker, no pets, $700/mo. all. Walter, 289-3586.

NORTH GREAT RIVER - 1-bdrm. apt., kit.-l/r combo, bath, full carpet, priv. ent., screened deck, $575/mo. incl. all, mature single only. 581-8317.

PORT JEFFERSON - 4-bdrm. ranch, eik, l/r, d/r, fam. rm. w/fp, all appl., fin. bsmt., 2-car gar., avail. Sept., no pets, $1,100/mo. Ext. 2920 or 473-5092 after 5 p.m.

PORT JEFFERSON STATION - 3-bdrm. ranch, l/r, d/r, eik, bath, sunroom, all appl., treed yard, avail. 7/15, $850/mo. + util. 698-5298.

ROCKY POINT - 2 bdrm., l/r, gar., appl., laun., 1 blk. to beach, quiet, no pets, $800/mo. 744-3021.

SHIRLEY - 2½-rm. apt., quiet surroundings, $450/mo. 1 person, employed, mature, responsible, nonsmoker pref. 281-6263.

WADING RIVER - cozy 1-bdrm. apt., eik, l/r, full bath, nonsmoker, no pets, $500/mo. + sec. & refs., avail. 7/1. Janet, Ext. 2345 or 929-3910.

WADING RIVER - 1-bdrm. apt., eik, large l/r, cable, parking, all new, walk to priv. beach, no pets, $650/mo. + sec. & ref. avail. 7/1. 929-4342 after 5 p.m.

YAPHANK - 4-bdrm. restored Victorian, lg. treed prop., patio, 5 mi., from Lab., recently remodeled, avail. now, 924-5219, 924-4872 or 924-3066.

YAPHANK - 2-bdrm. house, fenced yard, OHWH, elec. range & ref., quiet neighborhood, 5 min. to Lab, $690/mo. + util. avail. 9/1. Bill, Ext. 7230.

ORLANDO, FL - 1-bdrm. efficiency suite, for 4, week of 7/26-8/2, 10 min. to Disney, $400/wk. or best offer. Ext. 2683 or 751-2469.

MT. DESERT ISLAND, ME - 1-rm. cottage w/sleeping loft, furn., lakefront, kitchenette, bath, fp, deck on Echo Lake, Acadia Nat. Park, 6/15-10/15, $400/wk. Bob, Ext. 2514.

CATSKILLS, NY - 3-bdrm. chalet w/ sleeping loft, fully furn., near Hunter Mt. Music Festivals, great for hiking, swimming, golfing, etc. Kay, Ext. 4501, or Bea, Ext. 3642.

KITTY HAWK, NC - 2-bdrm. condo, sleeps 6, walk to guarded beach, golf, fishing, horseback riding nearby, VCR, cable, fully furn., $500/wk. Jeanne, Ext. 7742 or 281-7568.

HILTON HEAD, SC - 2-bdrm. condo, sleeps 6, fully furn., 2 baths, pool, beach, golf nearby, May-Sept., $450/wk. for BNL employees & family. Guy, Ext. 3147 or 689-5378.

For Sale

BELLE TERRE - 1-acre bldg. lot, English Tudor section, Village 24-hr. police, beach, children's programs, golf, tennis, $245,000, terms. 928-1020.

BROOKHAVEN HAMLET - s/S. Country Rd., 3-bdrm. Col., 2½ baths, fam. rm., fp, great rm., 2-car gar., all appl., w/w, extras, $225,000. 286-0336.

CORAM - Strathmore East, 4-bdrm. ranch, 2 baths, cathedral l/r, 2-car gar., gas heat, fenced corner lot, $120,000. Ext. 3791 or 928-7154.

CORAM - N/Rt. 83, 4-bdrm. contemp. Colonial, l/r, d/r, fam. rm., fp, fin. bsmt. w/nightclub, 2-car gar., ⅓ acre, $139,900. Ext. 7897 or 331-0807.

EAST MARION - beautiful 1 acre bldg. lot, adjacent to Greenbelt, walk to Sound. 325-0447.

HOLTSVILLE - 2-bdrm. ranch, fp, new windows, ag pool, low taxes, 15 min. to BNL, near shopping, fenced yard, $119,000, neg. Peter or Kelly, 289-1732 after 6 p.m.

MEDFORD - Blue Ridge, 3-bdrm. condo, l/r, d/r, galley kit., util. rm., 1½ baths, rec., in/out pool, tennis, golf, price neg. Ext. 4853 or 698-4372.

MEDFORD - 3-bdrm. hi-ranch, low taxes, l/r, d/r, fin. bsmt., gar., fenced, ig sprinklers. Lou, 928-7042.

MEDFORD - 12 Pines area, 4 bdrm., 2 baths, attached gar., ⅓ acre, public water, $118,000. 286-8849.

NORTH SHIRLEY - 3-bdrm. ranch, l/r w/cathedral ceilings, den, new eik, new vinyl windows, sun room w/French doors, fenced, 0.4 acre, $120,000. Ext. 3403.

SELDEN - 4-bdrm. Colonial, part. fin. bsmt., fenced yard, patio, etc., excel. cond., $134,900. 732-1389 eves.

SHIRLEY - Smith Point, Cape Cod, det. gar., city water, low taxes, fenced, full bsmt., oil heat. 399-4897.

SHIRLEY - 3-bdrm. ranch, designer bath w/skylight, full bsmt. w/laundry rm., oak floors, d/r, l/r, security lights, fenced. Ext. 3531 or 281-7578.

SHOREHAM - 3-bdrm. ranch, SWR SD, low taxes, large eik, dr/lr, den, 2 baths, atrium, lg. store rm., cac, gas heat, all appl., $145,000. Ext. 2833 or 744-7172.

SOUND BEACH - 3-bdrm. ranch, 2 baths, l/r, d/r, eik, fin. bsmt., gar., deck, pool, $145,000. Ext. 7918 or 821-1271.

SPEONK/WESTHAMPTON BEACH - 2 bdrm., 1½ baths, cac, patio, approx. 1,000 sq. ft., skylights, 20 min. to Lab., $800/mo. or $135,900. Rich, Ext. 4834 or 588-0507.

WHITESTONE, QUEENS - 2-bdrm. att. brick home w/gar., 2 baths, eik, l/r, bsmt., yard, excel. neighborhood, must sell to settle estate, best offer over $175,000. Frank, Ext. 4273.

YAPHANK - Colonial Woods, 2-bdrm. condo, 1½ baths, fin. bsmt., wet bar, pool, tennis, rec., facil., 5 min. to Lab., red. to $100,000. Monica, 924-3846.

HUBBARDTON, VT - 38 deeded acres situated on town-maintained road w/power & phone, wooded w/view of Lake Bomoseen, ask. $34,000, neg. Tom, Ext. 2823.

Wanted

METALWORKING MACHINERY - bench top, shears, rolls, brake, also burring tools, soldering coppers. Pete, Ext. 4414.

ELECTRIC GUITAR - good quality, will repair, reasonable price. Fred Kuehl, Ext. 7947 or 588-2268 eves.

HOUSE TO SIT - free, exp., reliable, any period after Aug. 3. J. Allentuck, Ext. 2412.

MGB - and/or MGTD parts cars and/or parts. Phil, 287-3526.

MOTORCYCLIST - for boat ride, Marcus Dairy, roadside picnic & Gillette Castle tour, June 23rd. Kevin, Ext. 4843, or Frank, Ext. 2022.

OWNER OF TOYOTA - 83 Tercel, for info, pix; leads on hit-miss gas eng., 1-cyl. flywheel, antique type, finder's fee. Bill, Ext. 4312 or 281-6498.

PEOPLE TO JOIN - water aerobics class at Lab after 5 p.m. Marilyn, Ext. 2259.

STATION WAGON - full size, road-worthy, below $1,000. 878-0898 eves.

TUBED AUDIO COMPONENTS - working or not, by Marantz, Macintosh, Dyna, Futterman, Ampex, Fisher, Telefunken, REL, Scott, etc. Jim, Ext. 4584.

WET SAW - for cutting bricks, rent or buy. Tony, 698-9274.

Ads left out of this issue due to lack of space need not be resubmitted to appear in the next issue.