

Blume Heads NSLS Scientific Program

With the National Synchrotron Light Source halfway to completion, arrangements are under way for the coordination of plans for the scientific use of this important facility.



Martin Blume

To organize and promote these plans at the Associate Director level, Director George Vineyard announced this week that Martin Blume has been appointed Head of the Synchrotron Radiation Scientific Program. Blume has had a long association with the Light Source, having headed the design committee, and chaired the working committee to expedite preparation of the BNL proposal for the facility.

Nearly every department at the Lab interacts in some way with the NSLS. Blume will work with the BNL scientific users of the Source which include Biology, Chem-

istry, Medical, Physics, DEE and DNE. He will also coordinate the scientific efforts of outside users. Non-user BNL departments are playing important roles in the project: the Accelerator Department in design; Applied Mathematics in computation; and the Instrumentation Division will develop some of the instrumentation for experimenters.

In brief, Blume sees his new assignment as "making the best possible scientific use of the Light Source." This will encompass such areas as deciding upon scientific priorities, and promoting different possible uses of the NSLS, taking into account the Lab's overall program, as well as individual needs of the departments. As chairman of the Program Advisory Committee, he will report directly to the Director on proposals for the use of the Source.

Blume says he plans to set up Lab-wide seminars at which the various scientific users will acquaint the participants with the research they plan to pursue at the facility.

Because of the workload his new assignment will place upon him, he is currently scouting for an assistant to help him carry out these tasks. He is looking for a scientist with some experience in the field, whose background is in any one of the scientific departments using the facility.

In addition, Blume will serve under Arie van Steenberg as Deputy Head of the NSLS Project which will give him the advantage of keeping abreast of the technical aspects of the project while promoting the scientific program.

Blume will have an office in the current quarters of the NSLS on the third floor of the Accelerator Bldg., and will also maintain his office in the Physics Department. For the time being, he says, his physics research will be in cold storage.

New Manager Named For National Center

Larry E. Ruff, former Director of Economic Analysis-Energy for W.R. Grace & Co., has been appointed Associate Chairman of DEE to head the National Center for Analysis of Energy Systems. He assumed his new post on September 17.

Bernard Manowitz, DEE chairman, said on Dr. Ruff's arrival that "he has demonstrated considerable skill in the management of economic and energy-systems analyses, both in and out of government, and we are looking forward to his management of the technological and analytical tasks of the Center."

Ruff holds a B.S. (with Honors) in physics from the California Institute of Technology and a Ph.D. in economics from Stanford. He taught economic theory at the University of California, San Diego, for four years.

In 1971 he moved across the country and was a financial economist at the U.S. Treasury responsible for the analysis of environmental effects of tax policy. From 1972-74, Ruff held several positions at the U.S. Environmental Protection Agency, Washington, within the Office of Research and Development. During this period, he also served as U.S. Delegate to and vice-chairman of the Economic Subcommittee of the Organization for Economic Cooperation and Development Environment Committee.

The following two years he spent as Program Officer with the Ford Foundation in New York. There he developed programs and recommended grants for research and analysis on resource and environmental policy. He initiated and participated in a nuclear energy policy study which resulted in the 1977 report "Nuclear Power Issues and Choices."



Larry Ruff

Prior to taking up his appointment at Brookhaven, Ruff had been with the W.R. Grace & Co. since 1976, and was primarily involved in providing economic assessments of emerging energy policies and technologies. He was a member of the Ford Foundation/Resources for the Future energy policy study group writing the report "Energy: The Next Twenty Years" which is scheduled for publication this year.

Ruff, his wife Kay, and their two children, are currently living on site.



BNL Greets Chinese Governor

Wan Li, Chairman of the Provincial Revolutionary Committee of China's Anhui Province, visited BNL last Friday as part of a U.S. tour marking the beginning of a state-to-state exchange between Anhui and the State of Maryland. Accompanying Chairman Wan, who is governor of the province, was a ten-member delegation which included the Chinese equivalents of mayors, county executives, scientists and industrial plant managers.

Although the bulk of their two-week U.S. stay was spent in Maryland, the delegation came to Long Island for a day in order to visit BNL and SUNY Stony Brook. Their visit to the Lab, hosted by Director George Vineyard, included briefings on the National Synchrotron Light Source (by project head Arie van Steenberg) and the AGS (by Associate Director Ronald Rau, shown at right with Chairman Wan). The two facilities were of special interest to the delegation, since the expansion of China's high energy physics program will

soon result in construction of a 50 GeV proton accelerator near Peking and a synchrotron light source in Anhui.

Later, Chairman Wan presented Vineyard with a rice paper scroll containing a picture of panda bears, painstakingly burned into its surface (above). Through Stony Brook's C.N. Yang, who obligingly acted as interpreter, Chairman Wan proudly explained that Anhui makes the best rice paper in China, and that pandas are "a symbol of Chinese-American friendship."



Director Appoints Special Assistant

Herbert L. Kinney joined the staff last week as Special Assistant to the Director. In this capacity, he expects to spend much of his time acting as administrative liaison between the Director's Office and Project ISABELLE, leaving Associate Director James Sanford free to concentrate on the complex problems associated with the construction of the accelerator. He will also lend a hand with the management of other Lab projects as the need arises.

Kinney is well known to many members of the Laboratory staff and has been a frequent visitor to Brookhaven. For the past 23 years he has been with the physical research program of the AEC, ERDA, and DOE, serving from 1958-74 as Special Assistant to the Director of Physical Research. His last position in DOE was Director of Administration for both the Office of Basic Energy Sciences and the Office of High Energy and Nuclear Physics. He retired from DOE on August 24.

Currently, Kinney is a weekend commuter to his home in Maryland and expects to be on this hectic schedule for the next few months.



Herbert Kinney

Holden Elected Head Of Int. Comm.

Norman E. Holden of the National Nuclear Data Center was recently elected president of the International Commission on Atomic Weights for a two-year term. The election occurred during the 30th General Assembly of the International Union of Pure and Applied Chemistry (IUPAC) in Davos, Switzerland. Dr. Holden, who was elected to the Commission in 1971, has been secretary since 1975.

The atomic weight values recommended by the Commission over the past seventy years are used for balancing chemical equations in the laboratory and classroom and are also used in commerce and industry for pricing chemicals that are bought and sold. Holden reports that twelve elements had values or uncertainties changed in Davos including titanium, for which a one part in

two thousand change in value was recommended. For instance, this change leads to a not insignificant increase in the price of titanium paints for industry. The largest uncertainty in the determination of the Faraday constant is due to the uncertainty in the atomic weight of silver. This value is presently being redetermined at the National Bureau of Standards in Washington. It is hoped to be ready for review by the Commission at the 1981 meeting in Belgium.

For the past few years, the Commission has been recommending isotopic composition of the elements in nature and, at the Davos meeting, an investigation of isotopic abundance values and their variation for non-terrestrial materials was begun.



New York State Public Service Commissioner Anne Mead, has a further discussion with DNE Associate Chairman Walter Kato, after he had spoken to the group about reactor safety. Over 30 women from as far away as Minnesota and Colorado attended the sessions.

—photo by Humphrey

Women Executives Attend Energy Workshop

A high powered group of women – directors of power companies, financial analysts, public service commissioners, and other energy decision makers – came to Brookhaven last week from across the country to attend a Workshop on Energy Analysis.

The workshop was sponsored by BNL and the Financial Women's Association of New York, a professional organization whose objectives include increasing the contribution of women to public life, government and corporate affairs. The workshop was designed to give the participants, who are in senior management positions, an overview of the many energy systems and a broad perspective of the total energy situation. Issues faced were the growth of electric demand, and the problems related to decisions on what energy source best answers that need, yet is acceptable to the public.

In the first morning session, Brookhaven staff gave a series of talks on Reactor Safety (including safeguards and waste), Health Effects, Synfuels, Fossil, Nuclear, and Solar Options, and Conservation. For the next session, attendees were divided into five working groups, each dealing with a specific phase of energy. Working with a Brook-

haven source person, each group studied a 1977 Reference Energy System and contributed individual ideas to the possible alteration of this system between 1977 and 1995.

Next, four Synthesis Groups – formed with a representative from each Working Group – developed their thoughts for an Energy Scenario 1995, showing relationships between end use and supply. Attention was focused on the complete system, to show how one change affects all parts.

The workshop was organized by Elizabeth Holtz, Investment Banking Associate at Merrill Lynch, and Ken Hoffman, former DEE chairman. Ann Reisman, Environmental Science Associate at DEE completed the arrangements.

According to Lucy Kinne, who represented the American Association of University Women (and who is the wife of Jerry Kinne, DO), the participants felt that as a result of the workshop, they were able to make increased contributions to their respective jobs. She said that "everyone agreed that meeting others involved with the varied aspects of energy, and the expanded knowledge of energy systems gained at Brookhaven, has provided an extremely valuable learning experience."

Stony Brook Events

Workshop: "What's New in Astronomy and Astrophysics?" All-day workshop, Room 001, Earth and Space Sciences Building, September 29. For speakers, times and topics, contact Ellie Jordan, 246-7670.

Chinese Music, Dance and Crafts: Youth Goodwill Mission from Taiwan, Fine Arts Center, Sept. 30, 7:30 p.m. General admission, \$3; students and senior citizens, \$1.50. For information, call David Tu, 246-8832.

Theater: Bertolt Brecht's "A Man's a Man," Theatre II, Fine Arts Center, Oct. 3-6, 10-13, and 30, 8 p.m. Students, senior citizens, \$2; faculty, staff, alumni, \$3; others, \$4.

Speaker: Herb Graff, "Bloopers & Out-Takes," Stony Brook Union Auditorium, Oct. 4, 8 p.m. Information: 246-7085.

Concert: Jazz guitarist Larry Coryell, Stony Brook Union Auditorium, Oct. 5, 8:30 and 11:30 p.m. \$5. Information: 246-7085.

Recital: Pianist Cecelia Gnievek Brauer and clarinetist Naomi Drucker, Sunwood Estate, Old Field, Oct. 14, 5 p.m. \$6. Information: 246-5678.

Continuing Education

SUNY at Stony Brook offers a wide variety of evening and Saturday courses, some for a graduate degree in Liberal Studies, and others for personal development or just for pleasure. The informal courses range in content from "Japanese and Eastern Papermaking" to "Man and the Sea: Long Island's Marine History."

Beginning on Saturday, October 13, 1 to 4 p.m., the university has scheduled a series of open houses on the second Saturday of each month, through May, 1980. These are designed to introduce people to the opportunities for part-time study at Stony Brook. For further information, contact the Center for Continuing and Developing Education, N-201 Social and Behavioral Sciences Building, telephone 246-5936.

Tune In!

Enclosed you will find an article published in the October 1979 edition of *Popular Science* concerning Blue Flame oil burners. If this information is accurate, this unit has been installed and tested since 1977. What I would like to know is how many Lab employees were picked for this program after the date it was published in the Bulletin which was January 1979 Volume 33 #1? I myself and many coworkers had applied for this program and none of us were chosen or received any type of answer in regard to our applications.

Answer:

The units tested in 1977 were warm air furnaces sold by Blueray to homeowners. BNL monitored the performance of some of these furnaces but had no other role. The present program involves development and test by Blueray Systems, Inc. under a DOE-funded cost-sharing contract, of several models of blue flame boilers. BNL homes will be selected for field testing of some of these boilers. Of a total of 25 installations planned, seven units have been installed so far. Only two of these were installed since the announcement appeared in the *Bulletin* last January. One of these is in a BNL home. The other 18 will be installed over the next 12 months. The selection will be made based on suitability of the houses for the tests, from over 500 applications received in response to the *Bulletin* announcement.

—Gerald Dennehy, Head Conservation Program Management Group.

Cashier's Hours

Effective Monday, October 1, the Cashier will conduct business during the following hours:

Mon. - Thurs.: 8:30 a.m. - 4:45 p.m.
Fri.: 7:30 a.m. - 4:45 p.m.

1980 AUI Scholarships

Up to ten 1980 AUI Trustee Scholarships will be awarded to children of regular employees of Brookhaven National Laboratory. Awarded competitively, the scholarships are renewable for up to four years of study toward an academic degree. In addition, up to three scholarships may be awarded to minority group children of employees of BNL and NRAO; eligibility will be determined by applicable federal criteria.

To qualify for a scholarship, the applicant must be a son or daughter of a regular employee of BNL who began full-time employment no later than January 1, 1979, or a son or daughter of a retired employee or of an employee who died when in regular service at the Laboratory. In the case of stepchildren, eligibility will be established if the employee regularly claims the child as a dependent for income tax purposes.

Each scholarship will be in the amount of \$1,250 per year and is paid directly to the college.

Selection is made by an independent committee appointed by the Educational Testing Service. Criteria for selection include academic record and school recommendation, scores of the SAT and three Achievement Tests, and other factors deemed appropriate by the selection committee such as school and community activities, evidence of leadership, and creativity expressed through a variety of avenues.

Applications are due December 1, 1979. For more information, application forms and Critical Date Schedules, contact the Office of Scientific Personnel, 40 Brookhaven Avenue, Ext. 3338.

NASA

The National Aeronautics and Space Administration is now recruiting persons to train for future assignment as space shuttle pilots or mission specialists. Candidates require a baccalaureate in engineering, the physical or life sciences, or mathematics. Other minimum requirements also obtain. Brochures are available from the Office of Scientific Personnel, Bldg. 460.

Retiring



Thomas A. Newham, who has spent almost his entire career on this site, will retire as Fire Chief on September 30. Newham was with the War Department as a Firefighter at Camp Upton for nine months in 1942, then entered the U.S. Coast Guard where he remained until 1945. On his release, he returned to Camp Upton as a Firefighter and subsequently joined the Laboratory in the same capacity on March 21, 1947. He was appointed Fire Captain in 1961, Assistant Fire Chief in 1962 and Fire Chief in 1964. Newham says that at present he has no specific plans for his retirement, but he will be a volunteer at the Patchogue Fire Department.

Last Tour This Year

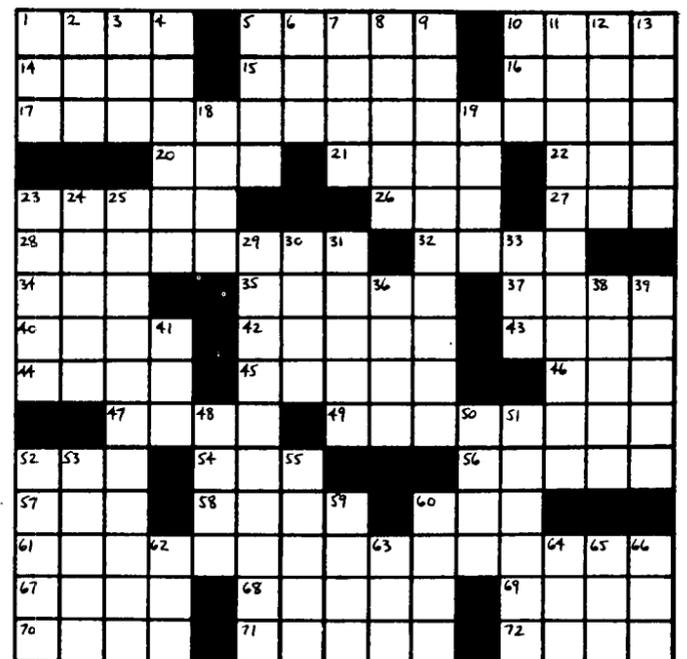
This weekend is the last public tour of the Lab for this year. Featured is a visit to the AGS, where visitors will see the main control room and various equipment from past experiments.

The complete two-hour tour includes a viewing of "Brookhaven's Quest" and a visit to the Exhibit Center. Tours will run continuously both Saturday and Sunday between 10 a.m. and 3 p.m.

Crossword Puzzle

ACROSS

- 1 Cavendish House unit
- 5 Brother of Hengist
- 10 Arthur of the court
- 14 Tiny bit
- 15 Revoke, in law
- 16 "If --- a Hammer"
- 17 Residential community near Brookhaven
- 20 L.I.R.R. stop
- 21 --- precedent
- 22 Tally for Fadeley's Pub team
- 23 Hullabaloo
- 26 Train Trip destination, 5/16/79
- 27 Fourth vowels
- 28 Like some paychecks
- 32 One of the Castles, for short
- 34 "Bulletin" feature, for short
- 35 Varnish resin
- 37 Doctrines
- 40 Concern of E.N. Shaw's department: Abbr.
- 42 Man's name
- 43 Portent
- 44 Prefix with sphere
- 45 Concerning Suffolk, to BNL
- 46 Snapper of Energy & Environment
- 47 Burned-down cigarette
- 49 Way up
- 52 --- volente
- 54 Resistance unit
- 56 Cox of the Medical Department
- 57 SALT particular
- 58 "Think nothing ---!"
- 60 E.N. Shaw's department, for short



- 61 Part of 11 Down's equipment
- 67 Suffix with refer or defer
- 68 Religious images
- 69 Subject of Report BNL-50894
- 70 Dick Van ---
- 71 Takes ten
- 72 Catch sight of

- 9 Its Zip Code is 11701
- 10 Be under the weather
- 11 She's investigating the Somali current
- 12 Where Queen Juliana reigns
- 13 Utopias
- 18 Greek vowels
- 19 Product of tatting
- 23 Chinese province
- 24 Where the Islanders play
- 25 Bellport, to the early Indians
- 29 "I'm OK ---," BNL event of April 3-4, 1979
- 30 Sailors' patron saint
- 31 Scrape the windshield
- 33 S.A. resort
- 36 Purchase in Building 488

- 38 Capital of ancient Ethiopia
- 39 Perpetual L.I.E. situation
- 41 Southhampton C. is part of it
- 48 Supply for Central Shops
- 50 Jugular, e.g.
- 51 When reports are always due
- 52 Benumbed
- 53 Cabinetmaker's wood
- 55 Kind of pie
- 59 Outcomes at Sunnyside Gardens, once
- 60 G.H. Vineyard, notably
- 62 16th letter
- 63 Demolition supply
- 64 Dawn goddess
- 65 Picnic attraction for quaffers
- 66 Cunning

DOWN

- 1 "--- For Resistance," Ralph Jones's slogan
- 2 Expression of wonderment
- 3 Siouan
- 4 Ms. Kipperman
- 5 Chuckle
- 6 Harem room
- 7 Important units at BNL
- 8 --- Foot Bubble Chamber

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Participation Awards

The BERA Board has reviewed the Participation Awards Program with the intent of finding a way to retain the program without exceeding stringent BERA budget limitations. As a result of this review, the following revisions to the Awards Policy have been adopted and are effective October 1, 1979.

1. Participation cards are awarded only to BERA members 18 years of age or older.
2. Participation cards are not transferable.
3. Participation cards have an established value and, similarly, merchandise items are price tagged. (See below for current price list.)
4. Participation card value and merchandise prices are subject to revision in accordance with vendor's price changes.
5. Participation awards may be redeemed by presenting enough cards or a combination of cards and cash to meet the tagged price of the item, with a minimum of one card required for each redemption.

Current Price List (October 1, 1979)

Participation Card Value	\$2.00
Merchandise Items:	
running shorts	\$4.00
pullover sweater	\$8.00
hooded sweatshirt	\$8.00
windbreaker	\$10.00

Other items, including tote bags, will be added to the merchandise inventory within the coming year.

Arrivals & Departures

Arrivals

Nick J. Acampora	.....Physics
James G. Doherty	.....Physics
Paul Marnell	.....Energy & Env.
Eldon Schmidt	.....Nuclear Energy
James C. Timmreck	.....Physics
Paula M. Wolk	.....Energy & Env.

Departures

Edwin Casanas	.....Applied Math.
Men G. Chu	.....Energy & Env.
Deborah J. Clay	.....Nuclear Energy
Nancy L. Dudek	.....Energy & Env.
David Dew-Hughes	.....Energy & Env.
Wolfgang Hampel	.....Chemistry
Virginia A. Kreitseck	.....Contr. & Proc.
Charles A. Long	.....Chemistry
Wayne R. McKinney	.....Instrumentation
Meir Rigbi	.....Biology
Ming-Shing Shen	.....Energy & Env.
Mary R. Snead	.....Medical
Demetrios Voreades	.....Biology
James R. Walsh	.....Chemistry
Yih-Jung Yeh	.....Energy & Env.

Duplicate Bridge

During the first week of October, bridge meetings will be at 7:15 p.m. on Monday, October 1, and Thursday, October 4. After that, the group will meet on Thursdays until the end of March, 1980.

In a recent team tournament game, Bill Sherry, Bob Whisker, Bharat Bhatt and Vishwas Ganu beat an all-Italian team. In a pairs tournament, Dibyendu Bandyopadhyay and Sachi Dhar were victorious.

At 6 p.m. before each bridge game, Colin Durston is available for consultation on all aspects of improving your game. The group meets at the Brookhaven Center.

Soccer

A game has been scheduled with a team from LILCO for 5:30 p.m. on Monday, October 1, at the BERA field.

Service Awards



Twenty year service awards were recently presented to Joe Wojciechowicz (left) and Charlie Zavesky (center) by Robert Lehn, Manager of Central Shops Division. — photo by Humphrey

Pool Locker Rooms

On Friday, October 5, at 10:00 p.m., swimming pool locker rooms and lockers (men's and women's) will be sprayed with an insecticide. Prior to that time, all users are urged to empty lockers and leave the doors open.

Normal locker usage may be resumed after 1:00 p.m. on Saturday, October 6.

Users Please Take Notice:

Lockers that are not emptied and left open will be sprayed through the vent openings. Needless to say, when this is done, clothing, towels, etc., in the lockers will not be wearable or usable until they are taken home and thoroughly washed.

A Note On Postcards

The onsite Post Office advises that they are still getting postcards below the minimum size, which is 5"x3 1/2". They are required to return such postcards to the sender. The Postmistress says that if you have stamped postcards below the minimum size, bring them to the Post Office and you will receive an even exchange for 10¢ cards of the proper size.

Bowling

Red League

The Sandbaggers won 8-3 over the Designers. K. Riker (203) had a 573-645 series, A. Pinelli 612 gross and A. Dick 611 gross. Great Team Bowling by the 76'ers, but only 5 points from the Pinball Wizards. J. Connelly a 237-582-633 series. R. Larsen 206, J. Petro a 202 600 gross and T. Holmquist 607 gross wood. The Old Timers split 6-5 with the Phoubars. H. Frei had a 219 and 618 gross. The Freon Loaders split 6-5 with Old Timers II. F. Hohmann had a 209 game. The Strangers only took 4 points against the Sparks team. R. Meier, Jr. grossed 634 pins. The ISA Team only managed 3 points in a match with the Light Source. N. Greenlaw had 623 gross pins.

Pink League

Renie Rosati had a great night with a high game of 198 and a triple of 484. Other "bowlers" Carol Beckner 172, Mary Grace Meier 170, Helen Keeley 164, Marie Grahn 162, Tony Rotondo 138 and Ann Parrinello 132.

Gold League

After two weeks of bowling "Fission" is in 1st place. Betty Jellet rolled a 205 and Claudia Tyler with a 106 average, bowled a 146. Marie Susa converted the 4-7-10 split.

Purple & White League

The Pin Pickers are in the lead with 14 points and the Brown Bulls close behind with 12. Nate Carter rolled a 212 for the high game of the night. Jim Griffin had high series 548 with games of 203, 178, 167. Other high games - Bob Callister 210, Jim Petro 207, Ben Belligan 201, Ken Riker 200, Gerrie Riker 179, Nancy Erikson 178, Sharon Smith 175.

Islanders Tickets

Tickets for the regular Islanders hockey season will go on sale at the BERA Film Service Office on Tuesday, October 2, at 8:00 a.m. There are 8 tickets for each home game, priced at \$12 each (service charge included).

During the initial sale, only the following buying limitation will be enforced: An employee may buy 2 tickets to 4 games or 4 tickets to 2 games. After the first purchase is made, the employee may go to the end of the line and await another turn to buy an additional set of up to 8 tickets.

Schedule

October	
Sat. 13	Buffalo
Tue. 16	Atlanta
Sat. 20	Hartford
Tue. 23	Edmonton
Sat. 27	Chicago
November	
Tue. 6	Los Angeles
Sat. 10	Philadelphia
Tue. 13	Rangers
Sat. 17	Detroit
December	
Tue. 4	Vancouver
Thu. 6	Boston
Tue. 11	Montreal
Sat. 15	Pittsburgh
Tue. 18	Colorado
Sat. 22	Washington
January	
Thu. 3	Pittsburgh
Sat. 5	St. Louis
Tue. 8	Vancouver
Sat. 12	Washington
Tue. 15	Winnipeg
Thu. 17	Toronto
Sat. 19	Quebec
Tue. 22	Montreal
Sat. 26	Hartford
Tue. 29	Minnesota
February	
Sat. 2	Buffalo
Thu. 7	Los Angeles
Sat. 9	Quebec
Tue. 12	Winnipeg
Tue. 19	Toronto
Thu. 21	Minnesota
March	
Sat. 1	Detroit
Tue. 4	Edmonton
Sat. 8	Boston
Tue. 11	Colorado
Sat. 15	St. Louis
Tue. 18	Atlanta
Sat. 22	Chicago
Tue. 25	Philadelphia
April	
Sat. 5	Rangers

Mountain Club

Activities for the fall will be planned at a 7:30 p.m. meeting in the north room, Brookhaven Center, on Thursday, October 4. Plan to attend if you're interested in the annual Fall Foliage trip down the Carman's River, hiking, camping, or spelunking.

Dues for 1979-80 are now due: \$2 for individuals and \$3 for families. They can be paid to Anita Swoboda and provide you with free use of the group's climbing, camping, and canoeing equipment.

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.

The determination of the best-qualified candidate for available positions will be based upon education, experience and other job-related criteria. Such factors will be evaluated and measured against the demonstrable requirements of the available vacancy, as well as the Laboratory's Affirmative Action objectives.

The Laboratory is committed to a policy of Equal Opportunity in its selection and placement of personnel. Its objective is equality of opportunity in employment, training, and promotion without regard to race, color, religion, national origin, sex, age or handicap.

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

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

LABORATORY RECRUITMENT: Opportunity for present Laboratory employees.

1122. GENERAL CLERK - Supply and Material Division.

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

1123. ELECTRONICS ENGINEER - Requires BS or equivalent in electrical engineering with electronics design and software development for computerized control systems. May also serve as liaison with various experimenters and participate in projects involving research and development of oceanography instrumentation. Instrumentation Division.

1124. CHEMICAL ENGINEER - Requires BS/MS in chemical engineering or equivalent with excellent written and verbal communication skills. Knowledge of coal and petroleum systems is desirable. Will perform technological and economic analysis of coal, petroleum, and other fossil sectors in the U.S. Energy System. Department of Energy and Environment.

1125. COMPUTER SCIENCE ANALYST - Requires BS/MS in computer science or equivalent knowledge of scientific programming with experience in large scale computer systems. Will be responsible for ensuring compatibility between system and modeling requirements for thermal reactor safety core codes. Department of Nuclear Energy.

1126. SENIOR STATIONARY ENGINEER - Requires demonstrated experience in the maintenance, repair, and operation of high pressure boilers firing #6 fuel oil. Current stationary or marine engineer license is highly desirable. Plant Engineering Division.

1127. HEAVY EQUIPMENT MECHANIC OPERATOR - Requires ability to maintain, operate, and repair all material handling, earthmoving, road and ground maintenance and related equipment. Plant Engineering Division.

Autos & Auto Supplies

69 LINCOLN CONTINENTAL - 4 dr, good cond. \$900. 585-9816.

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

72 CHRYSLER NEWPORT - 2 dr, good cond, snows, many extras. Asking \$1100. Ext. 4492, 286-0384.

70 CHEVY MALIBU HDTP - good running cond, needs body work, \$450; 2 Audiovox 6"x9" triaxial auto spkrs, like new, \$45. 289-0413.

75 HONDA CB-200T - low mi, garaged, fairing-windshield, crash bars, sissy bar, excel cond. 473-7667.

USED TIRES - mounted on wheels for Plymouth Duster. \$10 ea. J. Dispart, Ext. 3284.

TIRE - 6.00x13 Dunlop w/w steel radial, new cond. \$15. 473-3604.

72 SAAB 99 - good gas mileage, great for snow, front w/d, new clutch. Best offer. Don, Ext. 4346, 821-9125.

60 CHEVY IMPALA - 235 eng, orig owner, low mi. \$200. 744-5867.

ENGINE - Ford 302-V8, 4 bbl w/C-4 a/t, good cond, \$150; Muncie M21 racing trans w/2 Hurst shifters, recently rebuilt, low miles. \$175. 265-1039.

73 OLDS CUTLASS - ps/pb, a/c, new brakes, muff, batt, excel cond. \$1100. Ext. 4478/3175.

68 FORD TORINO - runs well, new tires, Asking \$295. Arbeit, Ext. 4118, 928-5714.

75 HONDA XL175 - excel mech cond, 8500 mi. \$450. Bill, Ext. 4605, 281-0557.

73 BUICK CENTURY - a/c, reg gas, 71,000 mi, excel running cond, FM radio, 8 trk, must sell. \$950. W. Hampel, Ext. 3028/4321.

74 DATSUN - PL620, pickup, 30 mpg, cap, FM stereo 8-trk, 55,000 mi, good cond. \$2200. Jeff, Ext. 2907, 878-8214.

73 DODGE PICKUP - club cab, 8' bed, 4 spd. Mazzeo, Ext. 7518.

SUNROOF - for van or truck. \$80. Gary, Ext. 4220.

69 MGC RDSTR - overdrive, radio, wire wheels, 54,000 mi. \$2000. Larry, Ext. 3767, 744-3744.

BATTERY - 12v auto, 2 yrs old, fully charged. \$15. Yani, Ext. 2514.

68 DODGE DART - excel running cond, great econ car. \$400. 265-7547.

68 VOLVO - red, 4 dr, 22 mpg, 144S w/overdrive, brand new tires. Peter, Ext. 7799/3021.

74 TOYOTA CELICA GT - a/c, AM/FM, extras, good cond. Asking \$2600. Ken, Ext. 2008, 928-5875 after 6.

TIRES - 2 radial BR78-13, like new. \$15 ea. Henry, Ext. 3084.

73 CHEVY IMPALA - a/c, ps/pb, mtd snows. \$1500. 821-0250 after 6.

TIMING LIGHT - Sears clamp-on inductive type, excel cond. \$15. Hans, Ext. 4581, 281-5563.

69 BUICK SKYLARK DELUXE - excel running cond. \$500. Corliss, Ext. 4438/4376, 472-1585 after 6.

73 KAWASAKI 52A - very good cond. Ext. 2022.

71 PONTIAC CATALINA - a/t, ps/pb, reg gas, AM/FM radio, good cond. \$500. Bill, Ext. 2022, 727-4228.

69 MERCURY MARQUIS WGN - a/c, pwr windows & seats, trailer hitch, runs well, clean int but body rusting. Borg, Ext. 3568, 286-0428.

73 AMC HORNET WGN - 65,000 hwy mi, a/t, a/c, p/s, AM/FM radio, Chapman lock. \$800. Jim, 924-8522 after 5.

76 OLDS CUTLASS - excel cond, all pwr, a/c, 15 mpg avg. Ext. 3763, Ext. 3210 eves.

8' PICKUP CAP - slide out bunk, dinette. \$495. Hank, Ext. 3848, 472-0553.

70 FORD TORINO WGN - \$200; 76 Dodge Dart Sport, manual shift, \$2000 or offer. 286-9584.

68 OLDS VISTA CRUISER - ps/pb, a/t, very good mech. Walt, Ext. 3006, 821-9223.

2 SNOW TIRES - mtd, 900x16.5 Chevy truck, like new. \$100/both. 732-5445.

72 MERC VILLAGER STA WGN - 351 a/t, ps/pb, a/c, towing pkg, needs some work. \$450. 821-0695.

77 PINTO WGN - 38K mi, a/t, a/c, ps/pb, roof rack, red/white roof, tinted glass. \$3500. 363-6845 after 6.

78 DODGE VAN - 6 cyl, a/t, p/s, compl carpeted inside, white spoke wheels & radials, 13,000 mi, like new. \$5500. Rich, Ext. 4100.

72 FORD TORINO - a/c, ps/pb, good cond, leaving country. Cecilia, Ext. 4453, Ext. 3001 after 5.

2 SNOW TIRES - on Fiat rims, 165x13. \$20. Joe, Ext. 4139.

TIRES - (1) Goodrich belted G78-15, \$8; (1) Uniroyal steel belted radial L78-15, \$8. 331-2779.

FORD RIMS - (2) 5-hole w/Firestone H78-15 deluxe belted tires; (2) F78-14 Sears Tractionex tubeless snows. Ext. 4291.

CHEVY PARTS - 307,350 headers, clutch plate, disk, 4 bbl carb & manifold, all excel cond. Mario, 363-2522.

73 BUICK ELECTRA - fair body, new parts, runs, needs eng job. \$400. Ext. 7750/3104.

70 FORD CUSTOM 500 - V8, a/t, excel running cond. \$500. 929-8943.

77 DODGE MAXI VAN - 318 V8, ps/pb, 27,000 orig mi. Dick, Ext. 4313, 929-4551 after 5:30.

TIRES - (4) 800x16.5, good spares. \$8 ea, 4/\$25. Ext. 4285.

72 PLYMOUTH WGN - 9 psgr, a/t, ps/pb, 77,000 mi, new trans, water pump & 4 new tires. Asking \$1150. Don, Ext. 7611.

TRUCK TIRES - 950x16.5 on Ford 8-lug rims, new cond, were replaced for beach tires. Jim, 281-8957.

TIRES - (2) used 6.70-15, Ford wheels. \$15. Bookless, Ext. 4510.

64 CADDI - good for parts, runs, make offer. Pete, Ext. 3515, 981-0048 eves.

69 BUICK SKYLARK - V8, p/s, AM/FM, trailer hitch, snows, repainted 3 yrs ago, 92,000 mi, asking \$600;

71 Apache hdtip trailer, garaged, used 3 yrs, sleeps 6, icebox, sink, 3-burner stove, dinette, \$1000. 588-7989.

73 OLDS CUTLASS - ps/pb, a/c, new batt, brakes, muff, trans, excel cond. \$950. Ext. 3175/4478.

Boats & Marine Supplies

15' WOOD SKIFF - w/18 hp Evinrude, boat in very good cond, eng ran well when used last (1975). \$250. Terry, 281-0360.

19' RENKEN BOW RIDER - 1978, full canvas, Volvo-Penta I/O, extras, low hrs, EZ Load trailer. 286-0626.

SAILBOAT AUX MOTOR - 12 hp RCA Dolphin 1974, compl installation to prop, excel cond. \$450. Ext. 3082.

Yard Sales

WADING RIVER - 201C Peach St, Sept 28-29, 10-4, leaving for Europe. Ext. 3784, 929-8913.

BELLPORT - 10 S. Howell's Point Rd, Sat, Sept 29, 10-5. Ext. 2889.

Miscellaneous

BOOKCASE HEADBOARD - \$20; Garrard record changer. \$10. 744-6874.

WICKER BIRD CAGE - 5 tier natural bamboo, never used, excel cond. \$20. M. Tesla, 669-9482.

18' SWIMMING POOL - filter & access. \$200. Ext. 2104, 928-3863.

PIANO - Wurlitzer spinet, very good cond, needs tuning. \$350. Wilma, Ext. 3332, 929-8642 after 6.

RECLINING CHAIR - \$30. 924-0581.

WOOD S/S - (20) 50½"x28", all good cond. \$5 ea or 20/\$80. 286-8552.

FREE - ½ cord stove wood w/purchase of Apollo cast iron kitchen range. Ext. 3841, 286-9450.

RUG - lime green shag, 10x10, scissor trimmable, \$30; fur, stone marten boa, excel cond, \$65. Ext. 2460, 744-9822.

SLIDING GLASS DOOR - frame, track, alum, screen, hardware, 71"x78½". \$75. Ann, Ext. 7611.

STORAGE SHED - steel 7x9. Cost \$130, first \$80 takes it. Tony, Ext. 3293 noon or after 5.

INDUSTRIAL ROUTER - \$200; spray gun, motor, compressor, compl, \$85; grinder, \$50; riding mower, \$100. 751-2867.

BABY ITEMS - car bed, Peterson safety seat & baby carriage 3 in one; other items. R. Cohen, Ext. 3480.

GRAND PIANO - Yamaha 6', wood finish, new. Ext. 2621, 744-8334 after 6.

5TH WHEEL TRAILER - 28' Coachman, sleeps 6, awning, excel cond. Ext. 2979, 286-1975 after 6 & week-ends.

WOOD BURNING STOVE - used 2 seasons, reasonable. Gary, Ext. 3305 after 5.

MET OPERA TICKETS - Cavalleria Rusticana/Pagliacci, Sat eve 9/29. 2 @ \$7 ea. Ken, Ext. 4372.

REWARD - for information about who took the aloe plant in the quartz pot from Medical Lobby. C. Hull, Ext. 3655, 281-2002.

BUY OR SELL - 1 loudspeaker University #312 less cabinet. \$25. 727-4884 after 6.

DEEP WELL PUMP - Rapidayton 1½ hp, 220v, 3 stage, w/50 gal Brady tank & all gauges. \$150. Winter, Ext. 3354.

CANNING LIDS - std mason Bernardin, 3 doz. \$1. Hugh, 924-3293.

BICYCLE - boy's 20" Columbia. \$30. 751-8158.

ESCAPE-RELAX - 2 half-fare United Airlines vouchers. Best offer over \$25. A. Reisman, Ext. 2666, 283-5376.

WINDOW - single pane, 6/6 lites 2'6"x5'2", w/ frame, unused. Cost \$89, ask \$65. Dan, Ext 3145.

SUNFLOWER SEEDS - organic, LI grown 2 lb pkg/\$1. 924-3236.

TENNIS RACQUET - Wilson T2000, good cond. Marge, Ext. 2459

IMPORTED FRANKLIN STOVE - all cast iron. \$160. 722-4821.

KIDS SPECIAL - chopper mini-bike, 3 hp B&S, good cond. \$125. Larry, 929-4798 after 3.

TAPE DECK - Tandberg 9000X reel-to-reel, 7" capacity. \$400. Augie, Ext. 4220.

FURNITURE - blue cotton velvet contemporary sectionals, walnut trim, \$300; contemporary walnut cube table, \$30. Jack, Ext. 7942, 864-2236.

FIREPLACE SCREEN - fits 27"x36", \$10; grate, \$3. Joe, Ext. 4630, 751-2117 after 6.

COFFEE MAKER - Hamilton Beach mini elec drip coffee-tea maker, 4 cup cap, like new. Orig price \$18, asking \$10. Ext. 3728.

MOVING SALE - Perego baby carriage/stroller, \$40; playpen, \$10; work bench, \$10; dresser, \$45. Ext. 3501, 924-3303.

CLAM RAKE - 18 tooth, \$25; golf shoe, size 9, \$10; 8mm projectors, \$25 & \$35; 67 Plymouth shop manual, \$5. Ext. 4597.

PIANO - Baldwin Acrosonic, full console w/bench. \$750/negotiable. Gene, Ext. 3354, AN5-4376.

BURBERRY RAINCOAT - \$50; wool camel wraparound belted coat, \$50; cotton quilted jacket, \$10; sizes 12. Ext. 7742.

FLUTE - Gemeinhardt, excel cond. \$100. 589-4363 eves.

GIUITAR - Guild "Starfire" 12-string elec, hard case. \$350. Ext. 4787.

TV - GE 19" color tube type, good cond. \$125. Charlie, Ext. 4201.

FREE KITTEN - grey/white female, litter box trained, 9 wks old, a real cutie. 924-4587.

CONSOLE COLOR TV - GE 19", very good cond. \$100 or best offer. 399-0592 after 5.

REFRIG/FREEZER - 21 cu ft side-by-side, auto ice maker, self-defrost. \$100. 286-1097.

18' SWIMMING POOL - filter & access. \$200. Ext. 2104, 928-3863.

AMPLIFIER - 125w Woodson, 2 spkrs, \$350; trainer amp, 55rms, \$175; Encore guitar, \$75; Siberian Huskies, 1 male & 1 female adult, 2 female puppies, make offer. Pfeiffer, 289-1873 after 6.

WASHER-DRYER - Frigidaire, top model, w/access, excel cond, \$290; matt & box spring, excel cond, full size, \$50. 924-0581.

CB - 40 channel SSB/AM Courier Gladiator w/ extras. \$225. Bill, Ext. 4605, 281-0557.

5TH WHEEL TRAILER - 77 Kountry-Aire, 35', plus 1972 Dodge pickup. 589-6151 after 6.

15' STARCRAFT TRAILER - sleeps 5-6, stove, refrig, sink, porta potti, like new. \$1100. Wilma, Ext. 3332.

SASKA SKI BIB - used once, men's lg w/jacket size med. Paid \$125, sell \$50. 567-5947.

42" ROUND TABLE - Bennington pine, w/12" leaf, excel cond. \$150. Pat, Ext. 2452.

WEDDING GOWN - size 12, never worn, long train, lace w/satin & sm pearl trimming. \$75. 727-5486, if no answer 924-4789.

FUR - 3 skin stone marten boa, \$65; 10x10 lime green shag rug, \$30. Ext. 2460, 744-9822.

TABLES - set of 3 coffee & end tables, walnut, \$65; wall plaque, 29"x46" w/gold keys, \$10. Jim, 289-7470.

BROTHER KNITTING MACHINE - new, cost \$100, sell \$50; wood grain 6' alum folding table w/handle, \$20. 732-9384, 289-8288.

SKIS - Atomic Glass 3000, 185cm; Fischer Racer ski, 185cm; both fiberglass comp, good cond. \$10 ea. Frank, Ext. 3898.

GOLF CLUBS - Wilson, driver, 3,5,7,9, wedge. Best offer. John, 878-8874.

BELT MASSAGER - \$30; 5000 BTU A/C, \$60; blk vinyl chair, \$30; blk & brown Herculon sofa, \$75; stereo & bar unit, \$75. Terry. 499-8377.

TRANSCIEVER - Lafayette HA146, Swan SWR pwr meter, TS 10 phone answering machine. Ext. 4576, 281-3093.

LG SOFA - \$15; 2 L/R chairs, 2/\$25; or all 3 pcs, \$35; GE elec 30" harvest gold stove, \$85; all good. 727-1617.

LADIES BIKE - 10 spd Mossberg, med wgt, good cond. \$100. P. Oster, 286-1248.

2 WET SUITS - 1 med & 1 sm, compl w/hoods, mitts, boots. \$10 ea. J. Ridgeway, Ext. 2452, 473-1154 eves.

CAMERA - Yashica 24, 2¼ twin lens reflex camera w/case. \$40. Jack, Ext. 4255, 289-6708.

22" MOWER - 3 hp. \$15. 331-2779.

LG DOG CAGE - h.d. steel, 60"Lx35"Hx27"W, ideal for training. \$60. 475-8658.

RAIN BOOTS - red rubber, size 8½; navy platform heels, multicolored summer clogs, size 9, \$5 ea. Ext. 7742.

FIREPLACE SCREEN - 50x33, \$15; children's skis, \$12, also boots. Jim, Ext. 3372.

CUSTOM DRAPES - fully lined, very good cond, 144x 95, green, \$25; hamper, basket, bowl brush, gold, excel cond, \$12. 281-6944 after 5.

WOOD BURNING STOVE - neat, attractive cast iron, 24½"Hx36"Lx25"W, flue entry hole back top. \$90. 751-3062.

DRUMS - 5-pc set w/music stand, good cond. 751-6815.

LAWN MOWER - Sears 3½ hp self-propelled, \$50; blackboard, foot stool (child's) carriage. Ext. 7772.

CHAIN SAW - McCulloch model 3-10E, new bar & chain. \$100. Frank, Ext. 3120.

CAMERA - Argus C-4, light meter, flash & case, mint cond, collector's item. \$65. Nick, Ext. 4701.

SUZUKI CLASSICAL GUITAR - new cond, grt projection, sld top & back. Bargain, \$160. Ext. 2807.

PORTABLE CLOTHES WASHER - Sanyo, used 1 mo, like brand new. \$150. Rick, Ext. 4437.

19 COLOR TV - Zenith, needs work. \$25. Ext. 4688, 924-8213 after 5.

ELEC MOTORS - (2) 5 hp, 3 phase. 289-0967 after 5:30.

MAPLE BED - full size, compl, \$50; Reese hitch, fits Chevy, class 3, \$30; elec clock, wall/mantle, \$15. 325-1961.

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

BELLPORT - south, prime location, 4-5 bedrms, 3 baths, den, oak fp, D/R, eik, veranda, gas heat, 2-car gar, .6 acre, walk to shops, beach, boat dock, golf, tennis. Mid 50's. Anne, Ext. 3404, 286-3764.

SETAUKET SOUTH - immed occupancy, 3 bedrms, L/R, den, eik, 1½ baths, 3V Schools, \$1300 taxes, ½ acre, gas heat, fenced & treed bkyd, abvgn'd pool, more. Asking \$33,000. George, Ext. 3061, 751-0894.

ROCKY POINT - Tides ranch, 3 bedrms, L/R, D/R, den w/fp, fin bsmt, gar, ½ acre, prvt beach, near shopping center, bank & school, many extras. Reasonable price. Ext. 3911, 821-1810.

SETAUKET SOUTH - 4 bedrm Jamestown ranch, bsmt, 3 Village Schools, gas heat, extra insulation, eik, den w/fp, 2-car gar, fenced. \$45,000. Paula, Ext. 2253, 698-8950, 473-8433.

CORAM - Tanglewood Hills, 4 bedrms, 15x20 den w/fp, L/R-D/R w/w, eik 2 baths, 2-car gar, fenced, 4 appl, ¼ acre, gas heat, SD #12. Reduced to \$35,000. Ext. 3404, 698-4966.

YAPHANK - by appointment, 4 bedrm cape, unwooded ½ acre, full bsmt, 4 appl, greenhouse & storage barn, economical OHW heat, immac, minutes to BNL. \$1050 taxes. \$36,000. Ext. 3634/3638, 924-5578.

ISLIP TERRACE - legal mother/daughter ranch, 2 bedrm apt, 1 bedrm apt side-by-side, fenced, fp, full bsmt, flowering shrubs, prof parking for 8 cars, extras. \$43,000. Ext. 2625, 581-3913 eves.

EAST PATCHOGUE - south, charming smaller home, ⅓ acre, wooded, fp, eik, w/w, s/s, all appl. 2 bedrms, lg scr porch, fin bsmt. Asking \$46,500. 286-3580. MT. SINAI NORTH - 3 bedrms, 2 baths, cedar shake ranch, full bsmt, gar, s/s, gas HW heat, secluded on ½ acre w/lots of trees, must be seen. \$50,000. Ext. 7995, 473-7030.

ROCKY POINT - The Tides, ranch on treed ½ acre, newly reinsulated, 3 bedrms, L/R, D/R, den w/fp, eik, oak floors, pine fin full bsmt, gar, patio, prvt beach, assumable 8½% mtg. \$45,900. Ext. 821-9072.

For Rent

SHIRLEY - 4 rm apt, near beach, prvt eng. \$250/mo, util incl, no pets. 281-9237 after 2.

VT CHALET - beautiful furn, stone fp, woodland hiking & XC ski trail, near Bromley, Stratton, Magic ski areas, antiques, rent weekends, weekly & ½ season. Ext. 3448, 757-5599.

PORT JEFFERSON - 3 bedrm furn house, incl access to prvt beach, all appl, avail 2/80-2/81. \$500. Ext. 4581, 473-3604.

YAPHANK - German Gardens, sm bungalow for single, avail immed. Ext. 2495, 924-3946.

PORT JEFFERSON STA - 2 bedrm house, kit, laundry, L/R, att gar, near shopping center. Ext. 3558, 473-0484.

YAPHANK - 1 bedrm apt (cottage), unfurn, 5 mi from Lab. Rent \$175, you pay util. H. Powers, 924-3863.

MIDDLE ISLAND - 4 bedrms, 3 mi from Lab, lovely home, secluded location. \$335/mo. Ext. 2902, 924-5086.

E. PATCHOGUE - 2 bedrm apt, kit, L/R, prvt ent. \$270/mo (incl heat & HW). Walt, Ext. 2907/2913, 698-0576.

Wanted

HOMES - for adorable kittens, wormed, litter trained, have shots. Jo Ann, 744-2821.

SHOTGUN - 20 gauge bolt action, good working order. Jay, Ext. 2022.

HOMES - for adorable kittens, trained, ready now. Ext. 2980, 289-0532 after 6.

METRONOME - Bookless, Ext. 4510.

BACK DATED COMIC BOOKS - especially Fantastic Four. Frank, 924-4262.

OLD DOLLS - porcelain & Bisque, & old teddy bears. 475-5199.

USED DESK - suitable for child. Reasonable. 286-0204 eves.

BEETLE CAT BOAT MASTS - (2), or matched solid spars of similar size. Ext. 3336.

GOOD HOME - needed by abandoned gentle Shepherd mix male dog, lovable, housebroken, really a sweet dog. Ext. 4304.

LOVE SEAT - inexpensive, to reupholster. Richard, Ext. 4396, 325-8158.

MUSIC STAND - for student. Reasonable. R. Skelton, Ext. 4220, 473-4558.

PORTABLE CRIB - Ext. 3707, 744-0007.

RESPONSIBLE ROOMMATE - to share Victorian house in Pt Jeff. Rent \$130. Jack, Ext. 3433.

Car Pools

EXITS 39-40-41 LIE - car pool members needed. Jim, Ext. 4605.

E. NORTHPORT - Elwood/W.Commack, 5th driver needed. Steve, Ext. 4615.

E. MORICHES - Woodlawn Ave. P. Fallon, Ext. 3043, 878-2266.

SOUND BEACH - Sharon. Ext. 2905.

1 OR 2 PERSONS NEEDED - to join already formed car pool, 8:15-5:15. Ext. 3967.

WADING RIVER - 1 person to join existing car pool, Lewin Hills area. Betty, Ext. 3141.

COMMACK - Ft Salonga area, driver wanted to join existing car pool, 8:30-5:00. John, Ext. 4605.

Services

EXPERT TUTORING - by certified teacher in my home, all elem subjects, HS math, French, German. \$10/hr. 941-4328.

SEASONED OAK FIREWOOD - 4'x16x18", split, delivered. \$110. 924-4