

New Art Exhibit Opens Next Week



New York artist Madge Huntington's unusual fabric wall hanging will be one of the contemporary art works on display in Berkner at the BERA-sponsored exhibit.

Besides Huntington's textile collages, visitors will see lithographs, aquatints, and bronze sculpture by five other artists.

Among the prints to be exhibited are lithographs by Bernard Cathelin, which reflect the artist's native French countryside and his later travels in the Orient. Also on view will be aquatints by English artists Christopher Penny and Ailsa Kennedy, who portray in subtle colors the farmlands of Dorset and Southern England - settings surprisingly similar to eastern Long Island.

Bronze sculpture will include several works by the noted young English artist

John Doubleday, plus "Wing Chair," an intriguing blend of romanticism and realism, by Andre Harvey, a young American sculptor.

Employees are invited to attend the opening reception at Berkner Hall on Wednesday, December 5, any time between 5 p.m. and 8 p.m. The exhibit, which is on loan from the Pandion Gallery of Greenwich, Connecticut and Fishers Island, New York, may also be viewed weekdays from 11:30 a.m. to 1:30 p.m., December 6 through 18.

Work Force And Wages Discussed By Director

On November 16, BNL Director George Vineyard met in Berkner Hall with supervisors from all Laboratory departments. Noting current layoff rumors and dissatisfaction with pay rates, Dr. Vineyard explained that his purpose was to offer assurance that no reduction in force is anticipated and to clarify the Laboratory's policy on salaries and wages, particularly with respect to the wage review that became effective October 1.

A corollary important feature of the Director's talk was his announcement of the formation of a Lab-wide committee to examine in depth BNL's salary and wage policies and structure for all nonbargaining unit employees, except scientific and senior administrative staff.

Dr. Vineyard began with a background explanation of the process through which BNL receives its financial support. The Laboratory is funded by Federal agencies, principally the Department of Energy, to accomplish specified and agreed-upon jobs of scientific research or development. Program funds are awarded annually amidst strong competition from national laboratories, universities and private industry.

Our best assurance of continuing support, therefore, is to produce excellent work which meets the needs of the sponsor. To achieve these results each program must assemble the best possible combination of people, supplies and equipment for the amount of money provided. Since there is no specific separate allotment for salaries and fringe benefits, salary increases to offset inflation and reward individual growth must be factored in with other program costs which are also escalating. To emphasize one factor to the detriment of another could result in a poorer work product which, in turn, might threaten the contin-

ued support of the program itself.

Against this background of our very competitive, results-oriented environment, the Director pointed out two major factors affecting the Laboratory's wage situation this year: the 7 percent Federal pay standard and the inflation spiral in the general economy which is running at a rate well above 7 percent.

As a contractor of the Department of Energy, the Laboratory was required to comply with the 7 percent pay standard which was in effect when the recent salary and wage review was conducted. While the rules and formulas of the pay standard are very complicated - and sometimes unclear - the Laboratory allotted on the wage review "the maximum amount we believed we could under the existing wage/price guidelines."

The 7 percent standard has thus far not been changed, although the government has already made an announcement that anticipates an increase. The Laboratory is currently looking for ways in which more leeway can be found within the existing regulations. The Director noted that such leeway, or an increase in the standard itself, would "allow us to make some salary adjustments throughout the Laboratory."

In the meantime, Vineyard stated, "I myself am profoundly dissatisfied that we are not able to keep our employees at least abreast of inflation, as a matter of simple equity." He expressed further concern that, due to budget stringencies in the recent past, certain employee groups have fallen behind going rates in the marketplace. The Director described the establishment of the salary and wage study committee, which is chaired by Arthur Schwarzchild of the Physics Department, as the first step in tak-

(Continued on page 2)



Larry E. Ruff, head of the National Center for Analysis of Energy Systems, speaks to participants at the NATO Advanced Research Institute held at the Laboratory earlier this month.

—photo by Humphrey

Analysts Meet On Energy Planning

Senior research analysts from the U.S. and abroad met here November 12-16 at a NATO Advanced Research Institute on The Application of Systems Science to National Energy Planning. In the light of current energy problems, a comprehensive examination of the status of energy systems modeling and its impact on energy policy was particularly timely.

Sponsored by the NATO Science Committee, the Institutes bring together senior people in a particular field to seek a consensus on the current status of their work and to make recommendations for future research directions. In his keynote address, Lincoln E. Moses, Administrator of the Energy Information Administration, cautioned against unnecessary complexity and urged modelers to recognize the uncertainties inherent in their results.

Areas discussed during the week included energy supply and demand modeling, model support and operation, model evaluation, and problems in communication between modelers and decisionmakers.

The Institute provided an opportunity

to review the variety of approaches used to support energy policy decisions in the countries represented. Two major conclusions emerged. First, the organization of energy systems analysis groups must promote effective implementation of policy decisions. Second, there must be a continuing commitment to support basic research in energy systems modeling.

Participants in the Institute came from Belgium, Canada, Denmark, France, Greece, Italy, Norway, the Netherlands, Portugal, Turkey, the U.K., W. Germany and the U.S. DOE participants included Harvey Greenberg of EIA/DOE, who served on the NATO Program Committee and played a major role in organizing the program.

The National Center for Analysis of Energy Systems (NCAES) made the arrangements for the meeting. Larry Ruff, head of NCAES, chaired the introductory session, to which ARI co-directors B. Bayraktar of NATO and K.C. Hoffman, Mathtech, Inc., (former NCAES head), also contributed.

Q&A On Federal Wage Guidelines

Certain recurring questions concerning the President's Wage and Price Guidelines have been asked Personnel. For the benefit of all employees, these questions are answered below.

• What are the Federal Wage Guidelines and why were they implemented?

On October 24, 1978, President Carter announced specific wage and price standards as part of a broad anti-inflation program designed to reduce the inflation rate by about 1.5 percentage points annually. The guidelines themselves are a complex set of rules and procedures administered by the Council on Wage and Price Stability. Basically they call for a limit of 7 percent per year on wage and fringe benefit increases for the first program year. The guidelines are voluntary; however, employers with federal contracts or orders in excess of \$5 million must certify compliance. Lack of certification or false certification may cause ineligibility for contracts or for termination of existing contracts.

• What is included in the Pay Standard?

Included in the pay that is subject to the standard are: "straight-time" wages or salaries, shift differentials, employers' contributions or costs for fringe benefits including paid leave, vacation, holidays, pension programs, life and accident insurance, sick leave and health benefits.

• Are promotions and progression increases included in the Pay Standard?

The guidelines allow employers several alternate methods for determining compliance. The method selected by the Laboratory which allows the greatest amount of money to be distributed to our employees requires us to include promotion and progression increases. The Laboratory may change the method used to determine compliance from year to year, and is continually reviewing the alternatives to determine which would be most beneficial to our employees.

• What method is used by the Laboratory in determining compliance?

The Laboratory uses the average hourly pay-rate method to determine compliance. Under this method the total number of hours paid is divided into the total straight-time wage and benefit cost to arrive at an average hourly pay rate for a base quarter (July-September). This average pay rate is then compared with the corresponding rate for the following July-September quarter. The comparison gives the change in average pay for a 12-month period. Since the average hourly rate calculation is not based on a fixed employee population, the effect of employee turnover can have an impact on the average hourly rate. Therefore, compliance with the 7 percent standard cannot fully be determined until after the end of the program year on September 30.

• How can the IBEW receive 8 percent increase while the nonbargaining unit employees were limited to 7 percent?

The guidelines provided different options for union groups who sign multiyear contracts. The IBEW and the Laboratory agreed to a two-year contract calling for a total increase of 14 percent, 8 percent for the first year and 6 percent for the second for an average of 7 percent. This option was not available to nonunion employees and is one of the reasons the President's Council on Wage and Price Stability is reviewing the current guidelines.

1980 BNL Holidays

New Year's Day	Tuesday	January 1
Washington's Birthday	Monday	February 18
Memorial Day	Monday	May 26
Floating Holiday	Thursday	July 3
Independence Day	Friday	July 4
Labor Day	Monday	September 1
Veterans' Day	Tuesday	November 11
Thanksgiving Day	Thursday	November 27
Day after Thanksgiving	Friday	November 28
Christmas Eve (1/2 day)	Wednesday	December 24
Christmas Day	Thursday	December 25
Floating Holiday	Friday	December 26

Women In Science

The next Women in Science Association meeting will be December 6th, 12 noon, Room A, Berkner Hall, when Dr. Gertrude Goldhaber will speak on "Women in Academia." All women who work at the Lab are invited. Anyone wishing to join the association may do so by attending the meeting and contributing \$2.00 membership dues.

Please check with W.I.S. building representatives for future meetings. Announcements will appear in the *Bulletin*, one week prior to each event. The W.I.S. newsletter will be issued monthly and sent to each member. If anyone has suggestions for materials to be purchased for the W.I.S. library, or items for inclusion in the newsletter, please contact Rosemary Cohen, publicity coordinator, at Ext. 3480.

Any members interested in participating in an Assertiveness Training Workshop with Francine Berger can contact V. McLane, Ext. 2902, for details, before December 6.

Stony Brook Events

Opera Workshop: "Beatrice and Benedict" by Berlioz, Nov. 30, Dec. 1, 6, 7, 8 p.m., Main Auditorium, Fine Arts Center. Ticket information: 246-5678.

Recital: Pianist Arthur Greene, Dec. 2, 3 p.m., Recital Hall, Fine Arts Center.

Recital: Flutist David Wechsler, Dec. 2, 8 p.m., Recital Hall, Fine Arts Center.

Concert: Music "Mostly from the Last Decade," Dec. 5, 8 p.m., Recital Hall, Fine Arts Center. Information: 246-5671.

Israeli Folk Dancing: Beginners welcome, no partners needed, Dec. 6, 7:30-10:00 p.m., Tabler Cafeteria, Stony Brook Hillel. Information: 246-6842.

Concert: Musica Aeterna Orchestra & Chorus, Dec. 8, 8 p.m., Main Auditorium, Fine Arts Center. Tickets are \$7, \$9, \$11. Information: 246-5678.

Concert: Christmas Choral Program, Dec. 9, 5 p.m., Sunwood Estate, Mt. Grey Rd., Old Field. \$6. Information: Friends of Sunwood, P.O. Box 53, Setauket, NY, 11733.

Thanks To Volunteers

Over 23,000 visitors came to the Lab this year. That tally includes summer visitors on weekends and high school science students who toured during the week in April-May and October-November. Much of the success of the tour program is dependent on volunteers around the Lab site.

Janet Hoefling, manager of the tour program, thinks that public interaction with scientists is vital. "Besides coming here to learn about science at Brookhaven, people also come to meet scientists," said Hoefling. "Visitors ask some basic questions like why are you doing this? what good is it? do you like being a scientist?"

Several scientists have also donated their time to talk to high school science teachers in a series of workshops this month and last. The teachers develop lesson plans around workshop topics, which are then integrated into their high school courses.

College and professional tours have begun for the fall through spring seasons. These tours are greatly aided by volunteer Lab tour guides who act as hosts and hostesses. Their personal knowledge of Brookhaven can make tours much more interesting and meaningful.

Thanks to all these volunteers on site, visitors to the Lab come away with a more positive attitude about work being done here and the people who do it.

Science Store Gifts

This holiday season, get your stocking stuffers at the Exhibit Center Science Shop, which will be open on Thursday and Friday, December 13 and 14, from 11:00 a.m. to 2:00 p.m. The Science Shop is located in Building 701 and can be entered from the west side.

You will find a variety of unusual scientific games and toys, plus a number of items imprinted with the BNL logo. Prices should please everyone; they range from 15¢ to \$4.

Work Force / Wages (Cont'd)

ing a fresh look at our situation and developing a "powerful campaign to improve things."

The committee has been asked to report back to the Director within 60 days and to "recommend changes needed to maintain our competitive position in the labor market, to assure equity between different grades and different units within the Laboratory, and to maintain employee morale."

The Committee has already started meeting and is interviewing numerous members of the Laboratory staff. The committee will make interim recommendations to the Director as it proceeds. A second review will be launched in the near future to examine scientific and senior administrative staff salary structure. The Director pledged that "we are going to do all we can to meet these difficult problems boldly and with fairness."

Dr. Vineyard's final remarks concerned his assessment of the Laboratory's future. He described a number of very positive developments, including the ISABELLE Project, the National Synchrotron Light Source Project and the upgrading of the High Flux Beam Reactor power level. He noted that among all the DOE laboratories this is a particularly "rich and challenging set of construction programs." Other positive developments are anticipated in nuclear physics, energy technology, other applied science activities and in the biomedical area. He pointed out the new pulmonary program now getting underway in the Medical Department as an example in the latter group. On this basis, Dr. Vineyard stated, "I am confident that the Laboratory is flourishing and that its future prospects are bright."

Speakers Bureau November

Benjamin Burr (Bio), **Ralph Fairchild** (Med), **Roger Tanner** (DEE), New York Institute of Technology Science Fair, Exhibit Judges, November 2-3.

Ed Murphy (PE), Longwood Senior Citizens, Energy Conservation in the Home, November 5.

R.C. Anderson (DO), Smithtown Rotary Club, Energy Options for the Future, November 7.

Gail Schuman (Med), Suffolk County Community College, Non-Traditional Careers for Women, November 14.

John Humphrey (Accel), Rotary International of Sayville, ISABELLE - What and Why, November 15.

Smithtown Adult Continuing Education Program: **Anthony Hendrick** (DEE), Overview of DOE and BNL Residential Conservation Program; **Lewis Jacobson** (PE), Thermography; **Ralph Jones** (DEE), Passive Solar Panel Systems; **Richard Krajewski** (DEE), Boiler Test Facility; **Alfred Lewandowski** (DEE), Solar Energy; November 15.

R.C. Anderson (DO), Men's Club of Temple Judea of Manhasset, Energy Options for the Future, November 18.

Martin Plotkin (Accel), William Floyd High School Career Day, Careers in Science, November 29.

Ed Murphy (PE), Long Beach East End Civic Association, Energy Conservation in the Home, November 29.

Andrew Hull (S&EP), C.W. Post College, Nuclear Safety and Health, November 29.

Theodore Ginsberg (DNE), Mothers' Morning Out of East Setauket, Nuclear Power: Its role and future, November 27.



Various types of needle work and other hand crafted items were displayed at the Fall Tea and Sherry Party on November 15. Lilo Levine, top, brought a set of dancing paper dolls that are cut out from a children's book she wrote. Suzanna Mughabghab is wearing a hat knitted by Eleanor Dahl who spun the yarn out of fur

from Mrs. Mughabghab's Afghan hound, being petted by Riet Claus. One of the women who attended the party is examining a tablecloth from Italy; in the foreground are just a few samples of the many needlecraft items featured that afternoon.

—photos by Humphrey



Emergency Closings

The following radio stations will carry notification of BNL delayed openings and emergency closings:

Station	Area	AM	FM
WBAB	Babylon	1440	102.3
WGLI	Babylon	1290	-
WLIX	East Islip	540	-
WHLI	Hempstead	1100	98.3
WGSM	Huntington	740	-
WALK	Patchogue	1370	97.5
WBLI	Patchogue	-	106.1
WRIV	Riverhead	1390	-
WRCN	Riverhead	-	103.9
WLNG	Sag Harbor	1600	-
WWRJ	Southampton	-	95.3
WHN	New York	1050	-

BROOKHAVEN BULLETIN

Published weekly for the employees of
BROOKHAVEN NATIONAL LABORATORY

BERNICE PETERSEN, Editor
MONA S. ROWE, Editorial Assistant

40 Brookhaven Ave., Upton, N.Y. 11973
Telephone (516) 345-2345

CARL R. THIEN, Public Relations Officer

Bon Appetit

One of the delights of the holiday season is eating all kinds of special foods. The *Bulletin* has chosen a few traditional recipes, which will be printed in series. To start them off, here is a Swedish hot punch recipe.

Glögg

- 1 cup black current juice
- 1 1/2 cup water
- 2 pomegranate peels
- 1 lemon sliced w/peel on
- 1/2 tablespoon whole cloves
- 2 cinnamon sticks
- 1 teaspoon cardamon seeds
- 2 - 5ths bottles red wine
- 1 cup cognac
- seedless raisins
- blanched almonds
- sugar to taste

Mix juice and water in large container. Add pomegranate peels, lemon slices and spices. Boil for 5 minutes.

Pour in wine and cognac. Heat - do not boil. Add sugar to taste.

Place raisins and chopped almonds in cup. Pour liquid over and serve hot. Makes two quarts.

—Kari Johannesen

Call For Singers

The BNL Singers are now rehearsing Christmas music in preparation for the Christmas season. We welcome all interested singers. Rehearsals are on Tuesdays in Berkner Hall at noon. For further information please call Carol Kraner or Peggy Judd, extension 2540 or 2544.

Arrivals & Departures

Arrivals

Phylis A. Bates.....	Plant Engrg.
Steven Bennett.....	Accelerator
Pamela M. Brown.....	Accelerator
Olga A. Ebalarsosa.....	Contr. & Proc.
Anthony Ernst.....	Accelerator
Eizi Ezura.....	Accelerator
William C. Horak.....	Nuclear Energy
Kevin P. Kelly.....	Chemistry
John D. Lara.....	Accelerator
Sandra L. Long.....	Physics
Veena J. Naidu.....	Medical
Neil Ross.....	Chemistry
Milena Sedliakova.....	Biology
Francis A. Vadola.....	Nuclear Energy

Departures

James E. Cain.....	Biology
Daniel J. Clemente.....	Accelerator
Yann Hung.....	Medical
William R. Martorelli.....	Plant Engrg.
Gail I. Schuman.....	Medical

Theater Group

The next Theater Group meeting will be held December 5, at 8 p.m. in the North Room of the Center. Anyone interested in theater is welcome to join.

Tryouts for "You're A Good Man Charlie Brown," by Charles Schultz, will be held December 12 and 13, 8 p.m., in Berkner Hall. A pianist is also needed, so if you play the piano and are interested in being part of our next production, please call Liz Russell, Ext. 3940.

Note: The Executive Board will meet on December 12, 7:30 p.m. at the Center.

Selected Reading

- Science 206, November 9, 1979
- Supreme Court to say if life is patentable. N. Wade. 664-5
- Crick looks back on DNA. 667

French Club

The film "Ascenseur pour l'échafaud" ("Elevator to the Gallows") will be shown at 8 p.m. on Friday, December 7, in Berkner Hall. The presentation is sponsored by *Le Cercle Français de BNL*, who are requesting a donation of \$1.50 (75¢ for students) from non-members who attend. Refreshments will be served after the screening.

Released in the U.S. as "Frantic," this film was the first feature directed by Louis Malle, made in 1958 when he was 25. It has a number of scenes made in a style that anticipated "The New Wave" in French film-making, and it still packs much of its original excitement and sense of discovery. A thriller à la mode de Hitchcock, with suspense and surprise ending, *Ascenseur pour l'échafaud* was based on a very conventional scenario. A former paratroop captain (Maurice Ronet) is pushed by his mistress (Jeanne Moreau) into murdering her husband, who also happens to be her lover's boss. The murder, carefully planned and carried out, could have been the perfect crime, were it not for a single detail that upsets everything and leaves the man trapped in an elevator, while the woman wanders through Paris searching for her lost lover.

The photography, especially of the night scenes in Paris, is outstanding. Miles Davis outlined the jazz score, which was later improvised by a group of musicians as they watched a projection of the film.

Motorcycle Club

A meeting will be held Monday, 5:15 p.m., December 3, in the Recreation Building (housing area). Riders and non-riders are welcome!

If you are interested, but cannot attend the meeting, please call G. Stenby or B. Carapezza, Ext. 4590.

Volleyball

Mixed League

Standings November 26

A: No Names	6-0
High Society	4-2
Family Affair	4-2
Thrints	3-3
Nuts & Bolts	1-5
DEEgenerates	0-6
B: Diamonds	6-0
Nads	6-0
Leftovers	3-3
Le Mufs	2-4
Monday Night Live	1-5
Underalls	0-6

Cafeteria Menu

Week Ending December 7, 1979

Monday, December 3	
Corn chowder	(cup) .45
	(bowl) .55
Beef chop suey on rice	1.40
Scrambled eggs, sausages & fr. fr.	1.30
Hot Deli - Roasted turkey breast	(on bread) 1.40
	(on roll) 1.50
Tuesday, December 4	
Beef noodle soup	(cup) .35
	(bowl) .45
Chicken cacciatore w/noodles	1.35
Roasted fresh ham w/veg.	1.45
Hot Deli - Veal pattie & peppers hero	1.35
Wednesday, December 5	
Cream of potato soup	(cup) .45
	(bowl) .55
Braised meatballs à la mode w/buttered noodles	1.40
Broiled fillet w/fr. fr.	1.35
Hot Deli - Roast sirloin of beef	(on bread) 1.45
	(on roll) 1.55
Thursday, December 6	
Chicken noodle soup	(cup) .35
	(bowl) .45
Cheese ravioli & 1 veg.	1.20
Sauerbraten & potato pancake	1.45
Hot Deli - Smoked baked ham	(on bread) 1.35
	(on roll) 1.45
Friday, December 7	
Fish chowder	(cup) .45
	(bowl) .55
Spaghetti w/clam sauce & garlic bread	1.30
Breaded pork chop w/apple sauce & 1 veg.	1.50
Hot Deli - Grilled Reuben	1.45

1979 Golf Champions



The BNL Golf Association (BGA) playoffs concluded early this month, and George Korhut (center) and Mike Zguris (right) came out on top. During the 1979 season, there were 97 active BGA golfers. In a separate event open to any employee, 28 golfers vied for the individual championship which was won by George Speidell (left). Les Lawrence was runner-up. Below are the results of the 1979 BGA team playoffs: —Humphrey

Usher/Millener	} Mills/Bull	} Korhut/Zguris
Group Mills/Bull		
I Iarocci/Dioguardo	} Korhut/Zguris	} Korhut/Zguris
Korhut/Zguris		
Webster/Frei	} Webster/Frei	} Korhut/Zguris
Group Sampson/Snead		
II Racaniello/Murgatroyd	} Racaniello/Murgatroyd	} Korhut/Zguris
Kammerer/Holmquist		
Becker/Gibbs	} Becker/Gibbs	} Morris/Falango
Group Thomas/Briening		
III Morris/Falango	} Morris/Falango	} Losquadro/Hahle
Geonie/Scandizzo		
Walker/Mullaly	} Walker/Mullaly	} Losquadro/Hahle
Group Taylor/Mohn		
IV Connelly/Slavinsky	} Losquadro/Hahle	} Losquadro/Hahle
Losquadro/Hahle		

Bowling

Green League

Light Source is still in first place as they took 8 from the 76'ers. A. Almsay had games of 200/212 for a 560 scratch series. The Blue Jays took 7 from the Strangers. N. Parrinello had a 202. The Sparks took 7 from the Pinball Wizards. The Old Timers II took 11 from the Trouble Shooters with G. Fales bowling a 216, J. Fortugno 223 and B. Galen 205/213 for a 577 scratch series. The Phoubars took 3.

Blue & Gold League

Nick Masciopinto will receive the ABC Award for converting the 4-6-7-10 split. Mike Angeloni doubled up with a 202/203 for a 643 gross series. Ralph Taylor rolled a 641 gross, Joe Sheehan 481/607 and Carl Jacobs 236 gross. Audrey Bangel led the ladies with a 166/222 gross game 611 gross series, Mickey Haller 155/213 gross, Mary Scheidet 146/205 gross and Carmen Ackerman 220 gross game.

Pink League

High games for the night were bowled by Renie Rosati with a 211, Joyce Nicholson 174, Renee Flack 171, Mary-Grace Meier 168/162/485, Marie Grahn 168, Ginny Walker 167 and Ellie Adams 163. The Lickety Splits are in first place by 8 points.

Red League

The Designers took 8 from the Phoubars with E. Sperry having 647 gross wood, D. Hayslip 602 gross, J. Kierstead 623 gross. The Old Timers took 7 from Isa Team with W. Reams bowling a 210/601 gross, H. Frei 635 gross, R. Barberich 212/202/642 gross, S. Kiss 601 gross, E. Sperry IV 211/652 gross. The Strangers took 4 from the Blue Jays. The 76'ers took 3 from Light Source. J. Morris had a 633 gross, M. McKenna 630 gross. The Freon Loaders won 8 from the Sandbaggers. F. Stahman had a 237/652 gross, F. Powers 600 gross, F. Hohmann 604 gross, R. Meier 205/202/664 gross to win the bird.

Scotch Doubles

Openings are still available for the Annual Scotch Doubles Bowling Tournament being held Sunday, December 2 from 12:30 to 4:30 p.m. at the Port Jeff Bowl. Anyone interested should contact Betty Jellett, Ext. 3639 or Richard Larsen, Ext. 3464.

Swimming Pool

The swimming pool will be closed for maintenance starting on Saturday, December 1. Reopening date will be published in a future issue of the *Brookhaven Bulletin*.

This closing will not affect the normal usage of the locker rooms and gymnasium.

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.

1168. ASSISTANT TO THE DIRECTOR - Will serve as primary assistant to the Director, Deputy Director, and Associate Director(s) in assigned aspects of the Laboratory's program. Responsible for aiding in the execution of basic policy affecting such assigned activities. Prior experience and knowledge in the following activities is desirable: reactor operations, environmental monitoring, safety engineering, security, and waste management. A Bachelor's degree in a technical field is required. Interested applicants should contact Marsha Kipperman, Personnel Office, Ext. 2871.

1169. SECRETARIAL POSITION - Requires excellent communication and secretarial skills including shorthand and technical typing with the ability to compose and edit general correspondence. Must be able to interact effectively with physicists and engineers. Division secretary, magnet construction division. Accelerator Department, ISABELLE Project.

1170. SECRETARIAL POSITION - Requires AAS degree in secretarial science or equivalent experience performing diverse secretarial duties. Knowledge of Lab policies and procedures and a familiarity with word processing equipment is very desirable. Will function as primary secretary for departmental budget administration. Will perform diversified secretarial duties for several administrative staff members. Department of Energy and Environment.

1171. SECRETARIAL POSITION - Requires AAS degree in secretarial science or equivalent experience performing diverse secretarial duties with ability to take shorthand. Will assist with all aspects of procurement; duties will include organizing, reviewing and expediting verbal and written communications and records. Contracts and Procurement Division.

1172. CLERICAL POSITION - Requires accurate typing abilities and excellent recordkeeping skills. Primary responsibilities include xeroxing and shelving printed materials. Additional duties can include preparing and typing library records. Technical Information Division.

1173. BUILDING AND GROUNDS UTILITY WORKER (three positions) - Plant Engineering Division.

1174. LABORATORY CUSTODIAN - Plant Engineering Division.

1175. GENERAL CLERK - Supply and Materiel Division.

1176. LAMP CLEANER - Plant Engineering Division.

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

1177. CONTRACTS ADMINISTRATOR - Requires a Bachelor's degree or its equivalent in education and experience. Will be responsible for the administration, coordination and control of contracts for R&D, service, construction and lease agreements as they relate to the ISABELLE Project. Contracts and Procurement Division.

1178. TECHNICAL POSITION (three positions) - Requires AAS degree or equivalent in electronics with a good background in pulse circuits, analog and digital controls and high voltage and/or high current power supplies. Should be skilled in troubleshooting of heavy electronic power supplies and associated controls. Accelerator Department.

1179. 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 Department.

1180. COMPUTER SCIENCE ANALYST - Requires BS/MS in mathematics or computer science or equivalent analytical and programming experience on a large scientific computer facility. Experience with fortran and CDC systems is essential. Will develop mathematical models of energy systems. Department of Energy and Environment.

1181. ECONOMIC ASSOCIATE - Requires MS or equivalent in energy systems analysis, economics, policy science or city and regional planning. Responsibilities will include data acquisition analysis, and preparation of written and oral reports for cost, benefit, and feasibility studies relating to energy conservation programs. Department of Energy and Environment.

1182. OCEANOGRAPHIC ASSOCIATE - Requires MS in applied math or computer science with proficiency in fortran, display compass, and basic languages. Familiarity with CDC 6600 and 7600 and PDP-11 computers is highly desirable. Will be responsible for analyzing and managing a large scientific data base. Will participate in occasional oceanographic cruises. Department of Energy and Environment.

1183. PHOTOGRAPHY AND GRAPHIC ARTS SPECIALIST C - Requires working knowledge of daconics or similar shared logic word processing systems. Individual must be willing to work nights. Photography and Graphic Arts Division.

1184. ENGINEERING ASSOCIATE - Requires MS or equivalent in engineering, computer science or an environmental discipline with a background in FORTRAN programming. Ability to design, implement and document computerized systems necessary. Experience with data base management systems and/or graphics software is desirable. Department of Energy and Environment.

1185. TECHNICIAN POSITION - Requires AAS degree or equivalent in health physics or industrial hygiene. Will assist with occupational health and safety monitoring programs. Safety and Environmental Protection Division.

1186. 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

71 FORD PINTO - stick shift, r/h, 30 mpg, very reliable car. Peter, Ext. 4094.

78 DATSUN B-210 - low mi, a/t, AM radio. 744-4047 after 6.

69 MUSTANG - 302. Frank, Ext. 2311, 567-5131 after 6.

1971 DATSUN B200 - 4 cyl, 4 spd, 30 mpg, good cond. \$750. 473-9180.

70 SUBURBAN K-20 - 4 w/d, 350 c.i., a/t, ps/pb, mags, beach tires, AM/FM 8 trk stereo, extras. \$1900. John, Ext. 4425, 744-4386.

70 HORNET - 2 dr sedan, a/t, gold/blk, good running cond, reg gas. \$800. Ext. 2933, 473-2764.

68 TRIUMPH SPITFIRE - excel drivetrain, new Michelins w/spoke knock-offs, good for parts. \$300. Bob, 744-3289.

75 AUDI FOX - 4 cyl, std trans, radials, AM/FM, 25c/30 + h mileage, good cond. \$2500. Karen, Ext. 3626.

71 BUICK SKYLARK - 2 dr hdtip, p/s, a/t. \$300. Ext. 2602.

70 TOYOTA COROLLA - 1200 Sprinter, new batt & ignition, 4 spd. \$600. Skalyo, Ext. 2509, 878-4882.

75 CHEVY PICKUP - 1/2 ton Custom 10, a/t, new tires, cap, CB. 475-3150.

DOOR FOR FORD PICKUP TRUCK - right side, new, incl glass & all parts. \$95. Phillips, Ext. 4235.

1969 LINCOLN CONTINENTAL - classic 4 dr, garaged, good cond. \$800. 585-9816 or Ext. 2926 after 5.

73 FORD GALAXIE - 4 dr sedan, AM/FM radio w/8 trk tape deck, a/t, ps/pb, a/c, clean. \$1200 firm. Jake, Ext. 4532, 277-4091.

78 DODGE VAN - 6 cyl, a/t, p/s, insulated, carpeted, radials, white, spokes, rust-proofed. \$5500. Rich, Ext. 4437.

72 CATALINA - clean, a/c, ps/pb, 45K, snows, runs perf, no damage. \$1200. John, Ext. 4452.

69 CHEVELLE - SS 396, 350 hp, excel cond, must be seen. 473-2861 after 6.

70 BUICK ELECTRA - 4 dr, a/c, stereo, new Michelins, mech excel, orig owners. \$850. 924-7850 after 5.

NEW FRONT GRILL - for 72 Camaro, \$20; 14" Chev/ Camaro rim w/space-saver tire, \$15. V. LoDestro, Ext. 4592.

71 AMC MATADOR - needs radiator repair, runs. \$125. Gail, 878-4664 after 5.

68 CHEVY WINDOW VAN - 8 cyl, stick shift, very clean, good cond. Asking \$850. Ed, 878-1204.

CAR BATTERY - 12 volt, 1 yr old, Sears 48 mo. \$15. 744-3764.

14" RIM - w/5 holes on 4 1/2" B.C., Ford product. Whitey, Ext. 4688.

RIMS - 2 Chevy 14". Both/\$9. Leo, Ext. 4688.

77 FORD GRANADA - 4 dr, a/c, ps/pb, AM/FM stereo 8 trk, low mi, many extras. \$3800. 475-1494.

SNOW TIRES - 645-14 (C78-14), used 1 season. \$20/pr. Walter, Ext. 3399, 567-2345.

78 CHEVETTE - std 4 spd, new Monroe shocks, AM/FM 8 trk, new mounted snows, like new, 22,000 ci. \$3200. Frank C., Ext. 3254.

68 PLYMOUTH FURY - runs well, new batt. \$150 or best offer. Satija, Ext. 3761/3017.

TIRES - (4) Goodyear polyglass 4 ply H78-15 on 6-lug Chevy truck rims, almost new. \$150. 928-6944.

71 TORINO STA WGN - eng good, body fair, good transp. \$600. 744-9812.

SNOW TIRES - 155SR-13, \$30/pr; 8.25x14, \$35/pr; AM radio w/spkr, in-dash. Bob, Ext. 4547, 473-3987.

TIRE - Delta H-78-14 tubeless w/w on 5-hole rim, very good. \$25. 744-1429.

RIMS - Western alum 15"x8", 1 yr old, Chev 5-lug. \$150. 589-0363.

75 F250 FORD CAMPER - special 9 1/2' camper, 8' cap, 50K mi, very good cond. John, Ext. 4489.

69 BUICK SKYLARK - ps/pb. \$400. M. Jahnig, 281-9298.

71 CHEVY CAPRICE - 4 dr, a/c, ps/pb, 2 new tires, 84,000 mi, good cond. \$1300. Andy, Ext. 2424, 751-0453.

AM CAR RADIO - std size, fits GM. \$12 ea. Jay, Ext. 2022.

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

78 HONDA CX500 - water-cooled, shaft driven, mint cond, extras. \$1700 firm. Mike, 286-0744; John, Ext. 3292.

SNOW TIRES - mounted on Caddie rims, good for 1 season, \$25; 71 Mach I, 351-c, 4 spd, very good cond, many new parts, \$1400. Steve, Ext. 2022, 277-2655.

SNOW TIRES - new Michelin XMS 165R15. 2/\$90. Ext. 4941.

75 CORVETTE - 454 custom. \$9500. Ext. 4655.

72 PLYMOUTH WGN - 9 psgr, a/t, ps/pb, new trans, tires & batt. Best offer. Don, Ext. 7611.

TIRES - Goodyear 750-14 w/rim, \$10; (2) D78-14; Sears 735-14 studded snow; \$3-8, good for spares. Susan, Ext. 4267.

Boats & Marine Supplies

22' NORTH AMERICAN FISHING BOAT - w/trailer, twin engines, many extras. \$6500. Chuck, 821-1525.

20' FIBERGLASS COBIA - sleeps 2, head, no motor. \$950. Ext. 2889, 286-0422 after 6.

AC HULL STOVE - new, \$5; anchor, st steel Danforth, \$5. DeCastro, Ext. 3254.

Miscellaneous

7' CHRISTMAS TREE - with stand, \$15; bathinette and other baby items. Ass'd prices. Walt, 2907/2913, or 698-0576.

HUTCH - dishes, glasses, elec appliances, Xmas trees, lights, decorations, girl's 20" bike, many more useful items. 744-2332.

KITCHEN TABLE - chrome & formica, \$15; din rm furn, \$15; green recliner, \$65. 744-9822.

COLOR TV - 19" Sylvania, needs some work. \$15. Frank, Ext. 4798.

OLD TRUNK - records, books, dishes, paintings, etc. 475-0918.

BEDRM SET - full/queen size headboard, triple dresser chest, mirror. \$120. 924-0581.

SUNFLOWER SEEDS - 1/2 lb grown. 2# pkg for \$1. 924-3236.

MOVING - must sell house full of furniture. Ext. 3901, 924-8099.

BICYCLE BASKETS - lg delivery baskets, front basket + rear saddle bag types. \$10/all. 732-5829.

CRIB & DRESSER SET - JC Penny, Sesame St, good cond (repairable child damage). \$75. Chris, Ext. 4612.

PHILCO 19" COLOR TV - excel. \$180. Ext. 7602, Ext. 3008 eves.

REFRIG/FREEZER - 19 cu ft Frost Free G.E. Bottom freezer. \$95. 289-1755.

ALUM S/S WINDOWS - 36"wx47 1/2", 40"wx39 1/2", 24"wx39 1/2". \$10 ea. 281-2767 eves.

TAPE RECORDER - 7" reel Phillips N44404, 220-110v, good cond, \$50; Panasonic Music Center, AM/FM, turntable, cartridge tape recorder, Thruster spkrs, moving overseas, \$150. 744-3984.

DOG FOR ADOPTION - German Shepherd/Huskie mix, male, neutered, house broken, loves children. Rip, Ext. 4672.

DIN RM SET - china closet, buffet, table & 4 chairs, walnut, very good cond, \$200 firm; bike, girl's 10 spd, blue, needs a little work, \$25. Bob, Ex. 2964.

POOL TABLE - good cond. \$80. Henry, Ext. 3084.

HEADBOARD - queen/full size, triple dresser, mirror, chest, \$120; Wilson golf set (half), putter, golf bag, \$35. 924-0581.

3 PC GOLD SOFA - 1 section converts into dbl bed w/matt, matching end tables & lamps. Norma, Ext. 4019.

WINDOWS - white D.H. insul w/scr, new, (1) 3'x3', \$65; (2) 3'x4', \$75 ea. 924-6582.

MAYTAG WASHING MACHINE - brown, \$75; white twin headboard, \$9. 744-9822.

PUPPIES - adorable fun-loving Golden Retriever puppies, 6 wks old, AKC, health guaranteed. 744-4779.

4 PC CANISTER SET - chrome, \$4; kitchen wrap dispenser, \$4; all very good. 281-7844.

WOOD STORM WINDOWS - 47"x28", up to 11. \$5 ea. D. Christman, Ext. 4394.

SKI BOOTS - men's size 10M, ladies size 5N, very good cond. \$25/pr. 588-5833.

METAL DESK & CHAIR - \$65; file cabinet, \$25; telephone answering system, \$75. 286-3565.

(1) HALF-FARE TICKET - American Airlines. A. Waligura, Ext. 2833.

CB - 28 channel, Trinidad base, 3/4 wave antenna, Radio Shack 21-1133, both/\$80. Bob, Ext. 4547, 473-3987.

TYPEWRITER - Olympia deluxe manual office, w/stand, excel cond, \$50; Polaro d 210 w/flash attachment, \$15; crib, white, w/matt & bumpers, \$15. Ext. 2979.

SKIS - Hart Camero, 205 cm, good cond, \$30; Solomon 444 bindings w/brakes, like new, \$35. 744-5096.

HALF-FARE COUPON - American Airlines. \$25 or best offer. Ext. 2607.

REALISTIC MINISETTE - small hand cassette tape player, like new. Orig \$80, will sell for \$45 or best offer. Sheree, Ext. 2907.

(2) HALF-FARE COUPONS - American Airlines. Best offer. Bud, Ext. 7733, 751-2587.

KEROSENE SPACE HEATER - \$50; Thomas organ, foot pedals, \$50; 5 hp shredder, Sears, \$125. John, Ext. 3675, 924-3528.

GE PORTABLE DISHWASHER - white, good cond. Christa, 744-6461.

KITCHEN CHAIRS - (6), old oak (straight), painted, \$100; piano roll & sheet music cabinet, \$20. 727-1617.

(2) HALF-FARE COUPONS - A.A., best offer; fish tank, 25x13x16, SS hood & all access, \$45; girl's bicycle, \$30; artificial Xmas tree, \$7. Jim, Ext. 4040, 289-0876.

HALF-FARE COUPON - United Airlines. Best offer. G. Strickland, Ext. 4091.

SUN-RAY OIL BURNER - 3 yrs old, Shell head, sale due to conversion to gas. \$100. R. Cook, Ext. 4592.

COLLECTOR'S ITEM - 1952 "Mad Man Muntz" TV, you pick up. \$5. 286-9158.

STANDARD POODLE PUPPIES - snow white, male, \$50; female, \$25. E. Edwards, Ext. 4027, 286-1121.

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

EAST PATCHOGUE - south, 3/4 acre, treed, fenced, 2 bedrm cape, fp, porch, fin bsmt, all appl, w/w, s/s, city water, new cesspool, laundry rm, huge 2-car gar. \$42,000. 286-3580.

ROCK POINT - 9 mi from Lab, 6 rms, bath, oil base-board heat, above ground 20'x26' pool, property 75'x200', garage, s/s, rear patio. 744-2332.

SOUTH SETAUKET - 5 bedrms, 3 baths, fam-rm type kit, 2-car gar, w/w, a/c, gas heat, prof landscaping, 3-Village School Dist. \$49,000. Ext. 4207, 698-1785.

MASTIC BEACH - Vets special \$500 total cash to move in, squeaky clean, 6 rm ranch, treed plot, tons of extras. 281-5498.

PORT JEFF STA - 3 bedrm split level, lg playrm, oak floors, gas ht air heat, copper plumbing, 1 1/2-car gar 15x26, property 75x100, must sell. Sacrifice, \$28,000. L. Licalzi, Ext. 3354, HR3-3328.

BELLPORT - charming older home, prime loc, 4-5 bedrms, 3 baths, den, country kit, lg D/R, ent hall, fp, back staircase, front porch, econ gas heat, 2-car gar, .6 acre, walk to shops, beach, dock, golf, tennis. Mid 50's. Anne, Ext. 3404, 286-3764.

SHOREHAM - 4 bedrm colonial, 2 1/2 baths, 1/2 acre, fenced, 1-car gar, bsmt, north of 25A, taxes \$1800, 8 1/2% assumable mtg. Gwen, Ext. 2589, 744-3443 eves or weekends.

SHIRLEY - 3-5 bedrms, L/R, D/R, kit, playrm, fin bsmt, gas heat, low taxes, 1/2 acre, fenced. Asking \$32,000. Ext. 3933, 281-4689.

CORAM - Tanglewood Hills, 4 bedrms, L/R, D/R, eik, 1/2 acre fenced, 2-car gar, patio, shed, immac cond, gas heat, 2 baths, must sell. Reduced to \$34,000. Susan, Ext. 3404, 698-4966.

BELLPORT VILLAGE - charming 2 bedrm, excel loc, 2-car gar, studio/shop, flowering trees, shrubs. Asking \$55K. Ext. 3766, 286-0123.

RIDGE - house 4 mi from Lab (within walking distance using fire trails), 5 rms, fin bsmt, den, w/w, decorator blinds, Florida rm, 3/4 acre. Ext. 4685, 924-6534.

For Rent

PATCHOGUE - 2 fam house, fenced yard, 2-car gar. 289-0012.

WESTHAMPTON - rm for rent, share bath, kit, etc. \$35 security, \$35/wk includes all. G. Privitera, Ext. 4590.

NORTH SHIRLEY - 7 rm house, 3 bedrms, full bsmt, LIE Exit 68, south on Wm. Floyd Pkwy. 475-6702.

CENTER MORICHES - 2 rm furn apt, beautiful location, quiet, non-smoking single. 878-0214.

PORT JEFFERSON - 3 bedrm house, gar, refrig, fenced yard, like new, unfurn, water incl, avail Dec 6. \$425/mo. 821-0275 after 6.

BELLPORT - furn house, 3 bedrms, 1 bath + (2) 1/2 baths, lg horse stable & paddock, walk to golf, sailing, tennis, shopping. Avail 1 yr Jan 1. Ext. 3841, 286-9450.

BELLPORT - lg furn rm, prvt ent, bath, cooking facilities, all util. \$175/mo. Ext. 3521, 286-1688.

BELLE TERRE - 2 bedrm furn house on wooded lot. \$485/mo. Ext. 3418, 928-0281 after 6.

PORT JEFFERSON - Harbor Hills, 3 bedrm house, 3 baths, nicely furn, prvt beach, on 1/2 wooded acre, avail 2/80-2/81. \$500. 473-3604.

HUNTINGTON STA - 1 bedrm, eik, L/R, prvt ent, residential. \$220/mo + util. Walt, Ext. 2907/2913, 698-0576.

Wanted

PASSENGER - to share driving & gas expense to south Texas, around Christmas. Ext. 4800, 399-5095.

SKIS & POLES - 150 cm to 170 cm, boots 8 1/2-9 1/2. Ext. 4846.

SKIERS & NON-SKIERS - to ski Whiteface Mt, Lake Placid, Jan 18-20. For info call B. Pyatt, Ext. 3592.

METRANOME - Ext. 2364.

OLD LAWNMOWER - or lawnmower eng, not working, free, for HS project. 744-5553.

FIREPLACE LOGS - 2-3 cords (hardwood), half splits 30"-36" long, cleaning woman, reliable, experienced, through worker. 475-8658 after 6:30.

THIRD PERSON - to share lg unfurn house in Coram. \$155/mo + util. Ext. 4742/2521, 928-8379.

REUSABLE HOUSEHOLD ITEMS - please don't throw away donations needed for poor families in the community. Ext. 3219.

SOMEONE W/COMPRESSOR - to drain underground sprinkler, Pt Jeff Station-Terryville. Will pay \$12. Ext. 4118, 928-5714.

Car Pools

BELLPORT VILLAGE - would like to join car pool. Don, Ext. 3493.

NORTHPORT - 25A area, interested in forming or joining 1 or 2-person car pool. Ext. 2514.

ROCKY POINT - Sound Beach area, need ride Mon-Fri, 8:30-5:00 shift. James, 744-1048

BABYLON/W. ISLIP - driver needed for on-time car pool, 8:30-5:00. Ext. 3284.

MATTITUCK - to join or form car pool. Bill, Ext. 3992, 298-4172.

Services

AUTO REFINISHING - all areas of work performed, discount rates for sm car refinishing. Ext. 2546, 744-4047.

ASPHALT PAVING & SEALING - Bob, 475-4382.

LICENSED WELL DRILLING - pumps & tanks, expert work. Kevin, 281-8031.

UPHOLSTERY - Sm chairs, cushions, slipcovers, etc, your fabric. Free estimate after 5:30. Irene, 924-9288.

CARPETING SPECIALISTS - binding, installation (of new & used), stretching & patching. Cheap. Wayne, 588-8369.

MOTORCYCLE REPAIR - & access, expert work done, access for street & dirt. Ext. 2311.

HAVE PICKUP WILL HAUL - no job too big or small. 286-0795.

FIREWOOD - split, seasoned oak, 4'x16'x18". \$110 delivered. 924-4284 after 5:30.

AUTOMOTIVE SERVICE & REPAIR - is your car ready for the winter, give yourself peace of mind. 289-1059.

FIREPLACE LOGS - Upstate hardwood, split or unsplit, 16"-18" logs; also hardwood slabs by the bundle, 2 1/2'x7 1/2'x14". Ken, 289-8212.

TYPING - done by professional typist (incl flowcharts, technical & graphics), fast turnaround time. Reasonable rates. Ext. 2298.

Classified Ad Policy Deadline is 4:30 p.m. Friday for publication Friday of the next week.