

The Role of the Deputy Director — Atypical Days, Diverse Duties

"That's one of the nice things — there is no typical day," says Martin Blume, when asked about his role as Deputy Director of BNL. "You never know what you're going to be dealing with — it could range from a problem with personnel to a visit with one of the U.S. Senators from New York."

Blume, who observes his 25th service anniversary at BNL this month, has been having these atypical days since September 1984, when he was named Deputy Director.

Having been part of the Lab Directorate since 1981, as Associate Director for Low Energy Physics and Chemistry, Blume knew what he could expect by moving into the Lab's second highest seat, just under BNL Director Nicholas Samios. Now he says with his characteristic humor, "It's not as bad as being Vice President of the United States. There are a fair number of substantive responsibilities that go with it."

"Of course," he continues, "the role of the Deputy Director is very much dependent on who the Director is and what your relationship is with the Director. Nick Samios and I have known each other for many years, and we work together easily. We tend to think along similar lines on most issues."

"Marty has shown great talent in the administration of scientific programs," says Samios. "This has been clearly evident at BNL, but also in the national scene, where he has been a member of many important national committees."

Under Samios' leadership, Blume explains, "the mode of operation we have at BNL involves delegation of authority to various members of the Directorate. We all work very closely together, even though we have different responsibilities, but our primary concern is the basic health of the Laboratory."

Issues that directly affect the Lab's health include saving and allocating budgetary resources; deciding which research programs to initiate, expand or terminate; developing management procedures for both large and small research programs; and resolving personnel questions.

"These issues can be very complicated," Blume notes. "For example, our budget is extensive and circumscribed by many regulations. We cannot run a deficit; our budget must be balanced in the fiscal year. But it's the job of the Director and the Deputy Director to insulate the working staff as much as possible from concerns such as these."

As Deputy Director, Blume's primary role is to take charge in Samios' absence. He is also directly responsible for basic energy sciences at the Lab, which includes the research done in chemical science and materials science at the Chemistry and National Synchrotron Light Source (NSLS) Departments, respectively. Also reporting directly to Blume on the Lab's organization chart are the Applied Mathematics Department, the Technical Information Division and the Public Affairs Office.

Blume's own background is in materials science. He is a theoretical physicist whose interests have centered on the structure of solids and

their magnetic properties. He has worked on relaxation and critical phenomena, and he has made definitive contributions to the theoretical analysis of magnetic phenomena in neutron scattering.

Though a theorist, Blume has always recognized the importance of experimentation and was an important force in bringing the NSLS from concept to reality. He was chairman of the working group that promoted the project, and he developed its diverse user community and scientific program. For his role at the NSLS and for his physical research, Blume received the 1981 E.O. Lawrence Award from the Department of Energy (DOE).

While some of his designated responsibilities overlap with his long-time interests, others are in fields with which he has had little direct experience. "You often have to take responsibility for things you don't know much about on a technical level," he says. "But you must not be paralyzed by that and kept from making decisions that must be made."

The Deputy Director must also deal with a diverse constituency, drawn from the Lab's scientific and administrative staffs, from Associated Universities, Inc. (AUI), from DOE, and from local and state governments. Some of this interaction takes place at BNL, but much of it can involve traveling, particularly to Washington, D.C., where both DOE and AUI have their headquarters.

"From the AUI point of view," says AUI President Robert E. Hughes, "the most critical function of top management at the Laboratory is developing and maintaining a staff of the highest quality. Marty is relentless in the pursuit of quality and has made major contributions to maintaining a spirit of excellence at the Lab. The Trustees will take note of his quarter-century of

(Continued on page 2)



Photo by Mort Rosen

Martin Blume

Haworth Scientist Lectures on Chemical Reaction Dynamics

Rudolph Marcus, the Arthur Amos Noyes Professor of Chemistry at the California Institute of Technology, arrived June 13 for his third and final three-week stay as BNL's second Haworth Distinguished Scientist.

Established by Associated Universities, Inc., in 1983, this appointment honors the late Laboratory Director Leland J. Haworth, who headed the Lab from 1948 to 1961 and died in 1979. Scientists having international reputations in fields related to Lab programs spend from one to three weeks a year, for three consecutive years, in residence at BNL, holding discussions with the scientific staff and presenting lectures.

During his remaining tenure at the Lab, Marcus, a theoretical chemist best known for developing what is called the RRKM theory predicting molecular reaction rates and for his work on electron transfer reactions, will present two more lectures in a series on the "Dynamics of Chemical Reactions."

In addition to Marcus's first lecture, "Unimolecular Reactions and Intramolecular Dynamics," given on June 16, he will talk about "Solvent Dynamics and Chemical Reactions," in a lecture of Lab-wide interest on Tuesday, June 23, at 3:30 p.m. in the Hamilton Seminar Room, Chemistry, Bldg. 555. And he will discuss "Bacterial Photosynthetic and Related Reactions: The Early Steps" at 11

a.m. on Tuesday, June 30, in the same location.

"In talking about solvent dynamics, I will ask the general question, 'What is the effect of solvent motion on the rate of any reaction?'" says Marcus. As it turns out, what sometimes limits the speed of a chemical reaction is the slow motion of the solvent molecules among which the reacting molecules are dissolved. While at BNL, Marcus will be studying how solvent motion slows the passage of electrons from reactants to reaction products.

According to Marcus, theorists are beginning to investigate solvent motion using numerical simulations. Using recent results from such calculations, he hopes to obtain some simple formula describing the slowness of reactions when they are limited by sluggish solvents at low temperatures and under other conditions.

In his final talk, Marcus will describe the early steps of bacterial photosynthesis and outline an existing controversy regarding the rapid transfer of an electron in one of those steps. Comments Marcus, "Some feel that the electron is transferred from a bacteriochlorophyll dimer molecule to a pheophytin via an intermediate species, others not. In looking at the two possible mechanisms using magnetic interaction data, I have inferred that the electron goes through the intermediate, but so quickly that it would

be hard to detect experimentally."

Though it is not part of the title of his final talk, Marcus will also include a discussion of a new phenomena, discovered in 1985, called electrochemical inverse photoemission. "Sometimes light will be emitted from a metal electrode when there is sufficient energy in discharging an ion from solution," explains Marcus. "I am interested in how a change in the electrode potential changes the intensity of the effect, and I have an idea for a possible mechanism."

The second Haworth Distinguished Scientist thanks Jack Fajer, Department of Applied Science, for calling his attention during his second stay to a new paper on electron transfer in photosynthesis, which got him interested in the controversy regarding the early steps in photosynthesis. "I have benefitted from my interaction with BNL scientists, most notably Norman Sutin [Chemistry] with whom I have collaborated for many years, and I hope the Lab has benefitted from my being here," concludes Marcus.



Rudolph Marcus

SOS to BNL Blood Donors

As the Fourth of July holiday approaches, most people are looking forward to a great weekend. But holiday weekends also mean more traffic accidents, and the people who work for the Long Island Blood Program are looking ahead in a very different mood. They know from experience how much extra blood is needed at this time. They also know that, with less than three weeks to go, there is not enough.

"The Blood Bank is depending on BNL," said Susan Foster, who chairs the BNL Blood Drive scheduled for June 23, 24 and 25, that is, next Tuesday, Wednesday and Thursday between 10 a.m. and 3 p.m. at the gym.

"Our employees responded so well last December that we never thought we'd be letting the blood program down," she continued. "We want a pint each from 650 givers, and friends and family members are welcome to donate at the same time as employees. But far fewer people have signed up than we'd hoped. The goal can't be met unless there's a burst of generosity at the last minute."

Foster believes that one reason for the unusual lack of response among BNL blood donors may be the fear of AIDS. "People may be reluctant to run any risk," she said. "But there is absolutely no risk of AIDS from giving blood. All the equipment is completely sterile. The needles are used once and thrown away immediately afterwards."

The real risk seems to be that there will not be enough blood available to save Long Islanders unfortunate enough to be in an accident during the July 4th festivities.

"We can't leave it up to anybody else," said Foster. "If the blood isn't there, people are going to die. I hope very much that more donors will reconsider their decisions not to bother giving blood this time. We need them desperately."

If you have not remembered to sign up to give blood, but would like to help, it is not too late. Please contact Susan Foster at Ext. 5126 to set a time.

Deputy Director (cont'd)

accomplishments at the Board meeting in Socorro, New Mexico, later this month."

Blume is also on several visiting committees, reviewing the programs of such organizations as the National Magnet Laboratory of the Massachusetts Institute of Technology; the Chalk River Nuclear Laboratory in Chalk River, Ontario; the Advanced Neutron Scattering facility at Oak Ridge National Laboratory; and the Division of Applied Science at Harvard. As Deputy Director he must answer the questions of similar committees when they come to review BNL facilities like the NSLS, so, he jokes, "It's nice to be on the other side of the microscope occasionally."

With all the travel and responsibilities, what happens to a Deputy Director's research? "It's easier for me, being a theorist, than it might be for someone else," Blume says. "I've managed to keep working on a couple of problems, though they go very slowly. And I've just finished a paper with Doon Gibbs [Physics Department] on x-ray scattering, which we'll submit to *Physical Review*."

Blume had a lot more time for research when he started his career at the Lab as an Associate Physicist on June 7, 1962. In 1968, he was appointed Group Leader of Solid State Theory, then Head of Solid State Physics and Deputy Chairman of the Physics Department in 1975. He became Scientific Program Head and Deputy Project Head of the NSLS in 1979, and was appointed to the Directorate in 1981.

— Anita Cohen

WIS Meeting

"Evaluation of the New York State Seat Belt Law in Suffolk County," will be speaker Caroline Kramer's topic at the next Brookhaven Women in Science (WIS) lunch meeting. As Assistant Group Leader of the Injury Prevention & Analysis Group of the Department of Applied Science, Kramer has been involved with this major epidemiological study, which has found that compliance with the state's seat belt law has saved lives and lessened or prevented injuries. The meeting will take place on Thursday, June 25, noon, Room A, Berkner Hall. The Laboratory community is invited; bring your lunch. Coffee and cookies will be provided free to all who attend.

T-Shirt Time

The Laboratory is celebrating its 40th anniversary during 1987. Now, T-shirts commemorating The First Forty Years are available to all employees, students and visitors for \$6 each (price includes tax).

These blue with white print T-shirts are 50% cotton and 50% polyester, for minimal shrinkage. They are available in unisex adults' sizes: small (34-36), medium (38-40), large (42-44), extra large (46-48); and unisex children's sizes: small (6-8), medium (10-12) and large (14-16).

T-shirts must be ordered by the end of July, and each order should be accompanied by cash or a money order made payable to "Renee Flack — T-shirts '87." No personal checks please. Orders and payments can be mailed or brought to Renee Flack, Affirmative Action Office, Bldg. 185A, Ext. 3316. Allow two weeks after deadline for delivery.



Group Meeting: DEC Local Users

Physicist Mark Rivers will speak on "VMS Utilities" at the next meeting of the Upton Local Users Group for DEC computer users. The meeting will begin at 11 a.m. on Wednesday, June 24, in Room B, Berkner Hall. For more information, call Zohreh Parsa, Ext. 4748.

Volunteers Needed For SUNY Study

Does fighting with your boyfriend or girlfriend sometimes get out of hand? Are you interested in learning more about how you communicate your anger to someone you are dating? If you answer "yes" to these questions, you may want to participate in a study in interpersonal psychology being conducted by the Psychology Department at the State University of New York (SUNY) at Stony Brook.

For this study, researchers are looking for couples who have been in a dating relationship for a period of six months or longer and who are having difficulty with anger in the relationship. Couples will receive \$10 for their participation, which will involve a brief individual interview and questionnaire for each partner.

To volunteer or for more information, call Mary Samios at the Marital & Family Studies Center, SUNY at Stony Brook, 632-7860.

tem, and the operator's telephone number changed from 924-6262 to 345-2123.

June 26, 1972 — The last of 4,876 fuel elements from the decommissioned Brookhaven Graphite Research Reactor were shipped to a reprocessing plant.

June 21, 1975 — Maynard H. Jackson, Atlanta's first black mayor and the youngest mayor of a major American city, spoke on "The Challenge of Black Politics," for the 16th Associated Universities Distinguished Lecture.

June 4, 1976 — The Brookhaven Bulletin reported on the discovery at the Alternating Gradient Synchrotron of a highly exotic type of atom, called a pionium, composed of a charged pion bound through electrostatic attraction to an oppositely charged muon.

June 3, 1977 — According to the Brookhaven Bulletin, the successful cool-down to -7° kelvin of the 500-watt experimental helium refrigerator represented the first milestone passed by the Power Transmission Project.

June 5, 1978 — The Tandem Van de Graaff staff celebrated the publication of the 50th Letter reporting results obtained at the facility, in the journal *Physics Letters*.

June 16, 1978 — The two-day reunion of 45 of 141 former students marking the tenth anniversary of the Brookhaven Semester Program was noted in the Brookhaven Bulletin.

June 24, 1981 — The 420-foot-high Ace and the 160-foot-high King meteorology towers, erected in 1948 to collect weather information, were pulled down because they had deteriorated and been replaced by a new, 280-foot tower.

June 4, 1982 — Low-cost, light-weight, all-temperature, solar collector panels, made of thin plastic films attached to aluminum frames and under development at BNL, were installed for testing at a solar house at Colorado State University.

June 12, 1983 — A new world record for negative polarized ion output was achieved at the AGS when beam currents in excess of 12 microamperes were measured in the new polarized proton source.

June 7, 1985 — The Brookhaven Bulletin announced that a second demonstration magnet for BNL's proposed Relativistic Heavy Ion Collider easily reached its design specifications during testing.

BNL's Fabulous Forty

The BNL we know today is the sum of thousands of events that have taken place here since 1947. This sampling shows the variety of events — from the monumental to the minor — that have occurred during the month of June, throughout the Lab's 40-year history.

June 15, 1947 — The first issue of the Lab's first employee publication, *Isotopics*, was published.

June 6, 1949 — New York Herald Tribune story reported on BNL's six-acre field, where crops and the flowering plant spiderwort were sowed in circles around a buried, 16-curie radiation source, cobalt-60, to learn what happens to different plants chronically exposed to radiation.

June 1-3, 1952 — The Patchogue Theater showed a newsreel that included scenes of the Cosmotron shortly after it delivered protons with energies above one billion volts.

June 15, 1952 — On the "Suffolk County Scrapbook" program of radio station WALK, Patchogue, a representative of the Lab answered mailed-in questions on atomic energy and BNL.

June 14, 1956 — Contracts were awarded for the construction of the 118,000-square-foot Medical Research Center, including the first nuclear reactor designed for medical research and therapy, a 48-bed research hospital, an occupational medicine clinic and research laboratories.

June 12, 1959 — Ground was broken for a new 38,000 square-foot, nuclear engineering building, Bldg. 815, 75 Rutherford Drive.

June 13, 1961 — It was announced that five BNL co-inventors had filed for a patent on the High Flux Beam Reactor. The five, Jack Chernick, Julius Hastings, Joseph Hendrie, Ken Downes and Herbert Kouts, each received a \$25 honorarium.

June 2, 1963 — The first photograph was made of nuclear interactions in the 80-inch Bubble Chamber, then the world's largest in operation.

June 30, 1965 — The Bulletin Board announced that three Marshall Islanders, some of the 82 people of Rongelap Atoll accidentally exposed to fallout from U.S. nuclear weapons testing in 1954 and under the care of a BNL medical team, had been brought to BNL's Medical Research Center for examination and treatment.

June 9, 1966 — The Bulletin announced that Deputy Director Clarke Williams and Mariette Kuper, Director's Office, who were the first and second employees, respectively, to be hired in 1946, were the first to be awarded BNL's new 20-year service pins.

June 11, 1969 — As the Long Island Expressway service road between Calverton and William Floyd Parkway was opened, BNL's new south gate began providing direct access to the westbound side.

June 9, 1969 — BNL hosted ATOMIC '69, a two-day seminar for science writers, sponsored by the Atomic Energy Commission and the National Association of Science Writers.

June 9, 1970 — BNL's High Intensity Radiation Development Laboratory, a 2-ton food irradiator, was shipped via tractor trailer to the University of California, Davis, for experiments on prolonging the shelf-life of freshly picked strawberries.

June 3, 1972 — BNL's main switchboard was switched to a new console sys-



June 6, 1970 — A concert by Lionel Hampton (center) and his Inner Circle jazz band was the spring special event of the Brookhaven Employees Recreation Association. The singer is Valerie Carr.

Information Desk: SUNY at Stony Brook

Representatives from the State University of New York at Stony Brook will be at an information desk in Berkner Hall, near the Cafeteria, on Thursday, June 25, from 11:30 a.m. to 2 p.m. Employees' questions about Stony Brook's educational programs will be welcome.

IBEW Meeting

Local 2230, IBEW, will hold its regular monthly meeting on June 25, at 8 p.m. in the Knights of Columbus Hall, Railroad Avenue, Patchogue. There will also be an afternoon meeting at 2 p.m. for shift workers in the Union office at 31 Oak Street, Patchogue. On the agenda will be regular business, committee reports and the president's report.

Hospitality News: Afternoon Tea

The Hospitality Committee will hold an afternoon tea on the patio of the Brookhaven Center on Tuesday, June 30, from 3:30 to 5:30 p.m.

This informal get-together will give Committee members an opportunity to get acquainted with the people who live in the apartment area on site and to welcome new people and summer visitors to the Lab. Spouses of Laboratory employees and visitors are welcome. Tea, coffee and homemade cookies, cakes and breads will be served.

Aerobic Dance

If you're in shape for the summer and want to stay that way, you should consider signing up for the Aerobic Dance Club's summer program of Monday afternoon stretch classes and/or modified aerobic dance classes on Tuesday afternoons.

Instructor Pat Campbell explained that her modified aerobics program is designed to maintain muscle tone and cardiovascular fitness, but at a slightly less strenuous level to compensate for the summer's heat. As throughout the rest of the year, stretch classes will concentrate on stretching and strengthening various muscle groups.

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

The fee for each ten-week session is \$30, payable at registration, which will precede the first classes. These classes will be held in the Brookhaven Center, as follows:

- Stretch — Monday, July 6
- Aerobic Dance — Tuesday, July 7.

For more information, call Bill Leonhardt, Ext. 2378, or Elinor Norton, Ext. 4355.

Arrivals & Departures

Arrivals

Jau-Der J. Chen Biology
Randolph P. Seibel Cent. Shops
Jian Zhang Accel. Dev.

Departures

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

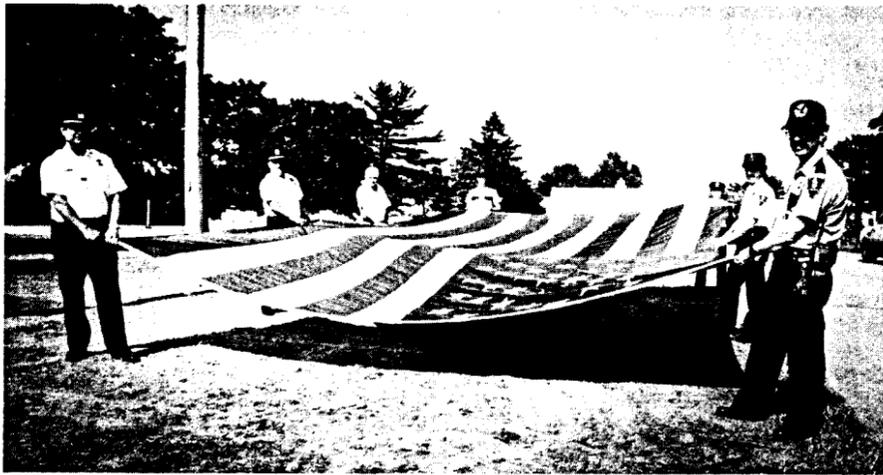
Daniel J. Clemente App. Math
Kenneth J. Ellis Medical
William M. Paradisin Medical
Mary F. Phillips DAS
Roman J. Shypailo Medical

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Readying the new flag for hoisting are (from left): Police Group Captain Robert Munoz; Lieutenant Michele Montecalvo Jr.; Jack Hennessey, Site Division Manager, Plant Engineering; Patrol Officer Patrick Giambalvo; Lieutenant Richard Rossetti; Lieutenant Thomas De Simone; and Patrol Officer Christopher Solimine.

BNL Flag Flies Higher

Sunday, June 14, was Flag Day, but BNL had its special observance on Monday, when a new 15-foot by 25-foot American flag was raised for the first time on the 80-foot flagpole installed last week in front of the Brookhaven Center. The aluminum flagpole was custom-designed by Christopher Jung of Plant Engineering (PE), and PE Project Engineer Peter Boyle arranged for the its construction and installation, which cost \$15,000.

The new flagpole is a replacement for the 60-foot staff that came to BNL from the 1939 World's Fair and which snapped on June 5, 1986. PE person-

nel have already removed the 40-foot wooden utility pole which has done the job on a temporary basis since then.

The present size flag will fly on the new flagpole unless there is severe weather, such as a hurricane. Then, a 12-foot by 18-foot banner will be raised. While these flags are much larger than any that could fly from the temporary staff, the new flagpole cannot support a so-called garrison flag, which measures 30-feet by 20-feet. This would have required a larger, stainless steel pole, at a cost of about \$45,000.

—photos by Rosen



Roy Barone, General Supervisor, Site Division, Plant Engineering, starts the flag on its 80-foot climb up BNL's new aluminum flagpole.



The new flagpole stood twice as tall as the temporary one beside it until Jack Hennessey and his staff removed the smaller one this week.

Camera Club

The Camera Club meets at the Recreation Bldg. on the fourth Wednesday of each month. The next meeting will be Wednesday, June 24, at 5:30 p.m. A discussion on different types of films is planned. New members and visitors are always welcome. For more information on the club, contact Lew Jacobson, Ext. 5193.

Check Your Gulf Bills

Charlie Baldwin, proprietor of Friendly Gulf, the on-site service station, reports that two customers have been billed erroneously by the Gulf Oil Corporation for services performed at Friendly Gulf on May 29. Baldwin urges all Friendly Gulf patrons to check their recent bills for a similar error. If one is found, call Anita at the Gulf Oil Corporation, 800-CHEVRON, Ext. 217.

Softball

Week of June 8

League I

Magnuts 20 — Phoubars 17

Ravens 18 — SMF 9

Blue Jays 7 — Cool & Gang 5

League II

Binary Bombers 9 — AMD 4

Cutting Edge 24 — Scrambled Legs 9

Dirty Sox 19 — Phase II 4

League III

Survivors 19 — Snakebites 2

Septembers 17 — Source 11

Farm Team 8 — Mole-Esters 2

Kidz-R-Us 5 — Foul-Ups 4

League IV

No Feedback 26 — Who Cares 6

Underalls 11 — Hit 'n Run 9

Summer Schedule At Swimming Pool

The pool will be closed Thursday, Friday, Saturday and Sunday, July 2 through 5. The following hours are effective Monday, July 6:

Monday through Friday

11 a.m. - 1:30 p.m.	employees only
1:30 p.m. - 2 p.m.	reserved for speed swimming and training
2 p.m. - 3:30 p.m.	children's lessons
3:30 p.m. - 9:30 p.m.	employees, families, guests*

Saturday & Sunday

1 p.m. - 6 p.m.	employees, families, guests*
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Daily Admissions

employee or family member	\$1.50
guest	\$2.00

Season Tickets (fees not prorated)

Individual Membership	\$30.00
Family Membership	\$40.00

*Guest Ruling: One guest per employee is permitted. Advance arrangements for additional guests (up to a maximum of five at any one time) must be made at the Recreation Office in Personnel.

Golf

The fourth tournament of the 1987 BGA season will be held Monday, July 6, at the Indian Island Golf Course in Riverhead. The tournament will be the Fourth Annual Two-Person Scramble, conducted in flights. Tee-off times, from 11 a.m. to about 1 p.m., may be arranged by contacting John Usher, Ext. 2096, Bldg. 130. Please make an effort to secure a partner and a second team to play with before contacting Usher. Entries close Monday, June 29, at noon.

Greens fees are \$8 for Suffolk County residents and \$14 for non-residents. Electric carts are \$18. Entry fees are \$1 for BGA members, \$2 for others.

In the event of questionable weather, information as to tournament status will be available from the pro shop at the course, 727-7776. Please report to Usher at the first tee at least twenty minutes before your scheduled tee-off time.

Cafeteria Menu

Week of June 22

Monday, June 22

French onion soup	(cup) .75	(bowl) .95
Veal Parmesan w/1 veg.	2.85	
Pepper steak over confetti rice	2.85	
Hot vegetable plate (lite-weight)	2.20	
Hot deli: Turkey	(bread) 2.45	(roll) 2.55
	(hero) 2.65	

Tuesday, June 23

Bean soup	(cup) .75	(bowl) .95
Sweet & sour pork over rice	2.95	
Baked ziti w/garlic bread	2.85	
Avocado half w/turkey (on ice table)	2.75	
Hot deli: Monte Cristo	2.65	

Wednesday, June 24

Cream of broccoli soup	(cup) .75	(bowl) .95
Spinach soufflé w/1 veg. (lite-weight)	2.85	
Mexican platter w/1 veg.	2.85	
Hot Deli: French dip	2.65	

Thursday, June 25

Beef vegetable soup	(cup) .75	(bowl) .95
Chicken orange stir-fry over rice	2.95	
Salisbury steak w/1 veg.	2.75	
Hot deli: Roast beef	(bread) 2.45	(roll) 2.55
	(hero) 2.65	
Extra special: Top your own baked potato	1.50	

Friday, June 26

Potato leek soup	(cup) .75	(bowl) .95
Broiled fish w/1 veg.	2.95	
Yankee pot roast w/1 veg.	2.85	
Hot deli: Corned beef	(bread) 2.45	(roll) 2.55
	(hero) 2.65	

Help Wanted At Cafeteria

Saga Foods, which runs the Cafeteria, needs several new employees, particularly utility workers and cooks. Saga Foods is an equal opportunity employer. Anyone interested may apply in person at the Cafeteria.

Note to Diners

The Cafeteria will be closed on Saturday, June 20. On that day, snack bar service will be available from 9 a.m. to 2 p.m. at the Brookhaven Center.

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 and/or appropriate bargaining unit, with preference to those within the immediate work group; (2) present employees within the Laboratory as a whole; and (3) outside applicants. In keeping with the Affirmative Action plan, selection decisions are made without regard to age, race, color, religion, national origin, sex, handicap or veteran status.

Each week, the Personnel Office lists new personnel placement requisitions. The purpose of these listings is, first, to provide open placement information on all non-scientific 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.

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 Employment Manager, Ext. 2882.

LABORATORY RECRUITMENT - Opportunities for Laboratory employees only.

2620. SECRETARIAL POSITION (part-time) - Requires excellent, accurate typing skills and knowledge of Microm word processor. Ability to take shorthand desirable. Will type technical reports and correspondence, make travel arrangements and process vouchers. One year term appointment. Physics Department.

2621. SECRETARIAL POSITION - Requires AAS or equivalent experience. Must have excellent secretarial and communication skills, and a comprehensive knowledge of BNL practices and policies. Will provide secretarial support to Department Chairman's administrative staff. Microm word processor experience necessary. IPAP and VAX experience desirable. Medical Department.

OPEN RECRUITMENT - Opportunities for Laboratory employees and outside applicants.

2622. PROGRAMMING POSITION - Requires BS in computer science or electrical engineering and a minimum of two years' programming experience in FORTRAN on DEC PDP-1124 hardware. Will be responsible for the design, programming, testing and implementation of data collection packages for all EXXON beam lines. One year term appointment. (Reposting of job #2540). National Synchrotron Light Source Department.

2623. ACCOUNTING POSITION - Requires bachelor's degree in accounting/business administration and a minimum of 5 years' professional accounting experience. Excellent communication skills and experience utilizing spreadsheet software on a PC is necessary. (Reposting of job #2617). Physics Department.

Autos & Auto Supplies

77 TOYOTA CELICA - 5 spd., 101k mi., good cond., \$1,300. neg. Ext. 7734 or 395-1635.

78 FIESTA - 4 spd. stick, hatchback, 25 mpg, \$460. Ext. 3164 or 744-5954.

82 HONDA CIVIC - 2 dr. sedan, excel. cond., metallic brown, \$4,500. Ext. 3699 or 286-2493.

79 MAZDA RX-7 - silver, 4 spd., am/fm cass., excel. cond., must sell, \$3,500. neg. Ext. 2949 or 427-2435.

85 TOYOTA COROLLA SR5 - sport coupe, 35k mi., am/fm stereo, \$7,100. 288-1148 days, 878-8144 after 5 p.m.

79 FIAT BRAVA - runs well, make offer. Ext. 4184 or 929-3347 after 6 p.m.

78 CONCORD - 4 dr., a/t, p/s, p/b, 6 cyl., 67k mi., am/fm cass., good cond., dependable, \$1,300. Ext. 2621 or 281-0360 after 6 p.m.

77 CUTLASS RIMS - (2) 15", \$5/each; 68 Honda 125. \$95. Ext. 4597 or 924-8213.

BATTERY - for 76 Sunbird, two months old, \$25. Frank. Ext. 2314 or 567-5131.

71 DUSTER - slant 6, great running cond., needs some body work, good transportation, asking \$800. 727-7806.

83 HONEY MOTOR HOME - 24', 14k mi., like new, \$17,500. Ext. 4188 or 363-5170.

OLDS CUTLASS - 4 dr. sedan, V6, am/fm, full power, a/c, cruise, \$3,200. 288-2385.

73 LINCOLN TOWN CAR - 4 dr., leather interior, a/c, full power. 928-2984.

81 PONTIAC PHOENIX - V6, p/s, p/b, a/t, a/c, am/fm cass., \$1,850. Ext. 3180.

78 CHEVY MONZA - sunroof, am/fm stereo cass., p/s. rebuilt a/t, new tires & muffler, many new parts, reliable, \$750. Kris. Ext. 2215/3126.

80 VW RABBIT - a/c, am/fm, silver, 50k mi., \$1,500. Don. Ext. 3382/2862.

85 RENEGADE JEEP - 4 WD, red, mint. 286-0270 after 6 p.m.

69 CHEVY STATION WAGON - for parts, best offer. John, 744-4386.

82 COACHMAN TRAVEL TRAILER - 17.5', used 4 times, sleeps 6, rear bath, tow car optional. 298-4155

72 CHEVY IMPALA - station wagon, parts. Ext. 4081.

CAR PARTS - Datsun, Dart, Duster, Valiant, Colt, others available, tires. 289-8212.

78 HONDA ACCORD - 5 spd., good cond., \$900. Ext. 3569 or 929-8143 after 6 p.m.

84 DODGE ARIES - 4 dr., p/s, p/b, a/t, a/c, am/fm, 40k mi., runs well, reliable, \$3,900 or best offer. 981-7715

79 STARCRAFT MOTOR HOME - 23', sleeps 6, dual air, refig., bath, cruise, alarm, 29k mi., excel., \$13,990. 878-6526.

77 DODGE ASPEN - 4 dr. sedan, yellow, 80k mi., new exhaust, reliable, orig. owner, \$800. 751-6139.

73 PONTIAC LeMANS - 2 dr., a/t, p/s, p/b, am/fm cass., \$450. Fred, Ext. 3259 or 473-8622.

83 VOLVO TURBO - low mileage, new tires, a/c, excel. cond., \$9,500. 878-0659 eves.

74 VW SUPER BEETLE - auto, stick shift, factory sunroof, dependable, clean in/out, well maintained, \$1,350. 744-5098.

83 MAXIMA - 5 spd., excel. cond., \$5,000. 728-1640 eves.

82 PLYMOUTH CHAMP - new tires, brakes, battery, 48k mi., excel. cond. 363-7032.

83 YAMAHA VIRAGO - black, mint cond., garaged, asking \$2,000. neg. Charles, Ext. 7749.

85 DODGE OMNI - 2.25 spd., am/fm, p/s, p/b, 33k mi., unlimited warranty, excel. cond., \$3,700. Ext. 3872.

75 PLYMOUTH - good cond. in/out, \$750 or best offer. 924-0960.

CHEVY SMALL BLOCK PARTS - single point dist., 4 bbl cast iron intake, cheap. Glenn, 737-3327.

70-72 DUSTER DEMON DOORS - \$20/each; 70-76 windshield, \$20; 65 Ford Mustang, 6 cyl., 200 c.u. short block, needs rebuilding, \$50. 727-3608.

82 HONDA - station wagon, brown metallic, 46k mi., am/fm, excel., \$4,350. Rau, Ext. 3864.

86 JEEP CHEROKEE - 4 cyl., 5 spd., a/c, stereo, Laredo pkg., 4k mi., \$14,500. 475-4792 after 5 p.m.

80 CHEVY CITATION - 2 dr., 4 cyl., a/t, a/c, p/b, p/s, am/fm. Akos, Ext. 4973/3170, 10 a.m.-5 p.m.

MICHELIN TIRES - (4) P205/75R15XA, good. Ext. 3392.

77 FORD ECONOLINE VAN - runs great, new tires, battery, CB, sunroof, extras, \$1,850. Donna, 758-9473.

84 DODGE DAYTONA TURBO - a/c, p/w, a/t, excel. cond., low mileage, \$7,000. neg. 689-1582/588-6417.

78 DODGE OMNI - 4 dr., 4 spd., stereo cass./radio, many new parts, good mpg, \$500. Tom, 473-8739 after 6 p.m.

82 TOYOTA CELICA - 5 spd., silver, excel. cond. in/out, \$4,200. Ext. 2232 or 728-0891.

75 DODGE DART - 2 dr., 95k mi., runs well, \$500. Ext. 2181/3076 after 6 p.m.

84 JEEP CJ-7 - 4 spd., 15X33 tires, chrome spokes, Blaupunkt stereo, excel. cond., \$6,500. 821-9808.

77 TOYOTA COROLLA - good mechanical cond., completely new brakes, reliable, \$250. 744-5096.

TIRES - (2) LR-78-15, white wall, \$20/each. Tony, Ext. 2050.

78 PINTO - for parts, body damaged, engine good cond., \$185; Sanyo stereo, am/fm cass., \$65. Dick, Ext. 7185.

86 MONTE CARLO SS - fully loaded, T-roof, low mileage. 475-0532/736-7352.

72 PINTO - runs well, best offer. Sharon, 727-0661 after 4 p.m.

SINGLE LEVER EQUALIZER HITCH - Reese, \$50. Ext. 4846 or 363-6940 after 5 p.m.

72 CHEVY ENGINE - 350 2-bolt main, totally rebuilt w/head & extras. 473-7460.

71 TOYOTA COROLLA - runs, some rust, \$200. Vera, Ext. 5064 or 929-8294.

84 HONDA ACCORD LX - hatchback, fully loaded, 54k mi., must sell, \$6,800. Denise, Ext. 3630 or 661-2784/783-1371.

78 MALIBU WAGON - p/s, p/b, a/t, V6, \$600. Ext. 2627.

86 MAZDA B2000 PICKUP - 27k mi., excel. in/out, brown, 5 spd., Hi-comp am/fm stereo cass., asking \$4,100. neg. Sheila, Ext. 3325 or 369-2404.

83 VOLVO TURBO - low mileage, new tires, a/c, excel. cond., \$9,500. 878-0659 eves.

86 HONDA ACCORD LX - burgundy, 4 dr., loaded, 13k mi., a/t, mint cond., Angela, Ext. 2456.

84 MAZDA PICKUP - 18k orig. mi., w/cap, excel. in/out, \$4,500. firm. 785-7230 after 6 p.m.

84 DODGE AIRES - 4 dr., p/s, p/b, a/t, a/c, am/fm, 40k mi., runs well, reliable, \$3,900 or best offer. 981-7715.

77 DODGE ASPEN - 4 dr. sedan, yellow, 80k mi., new exhaust, very reliable, orig. owner, \$800. 751-6139.

Boats & Marine Supplies

18' RENKEN - 1983, 1/0 120 h.p. OMC, w/trailer & full cover, excel. cond., \$4,500. Ady, Ext. 4531 or 331-3785.

25' SAILBOAT - 1977 Lancer, shoal draft, 1986 9.9 h.p. Evinrude, DF, VHF, stereo, 150 Genoa, \$7,500. 289-8693.

1968 JOHNSON ENGINE - 65 h.p., electric starting, controls, cables, running, good cond., \$250. Ext. 2530 or 869-3683.

19' MARQUIS - 1974, 70 h.p. Johnson, 1974 Cox trailer, power winch, depth finder, extras. P. Keller, 744-6446.

14' BLUEJAY SAILBOAT - 2 h.p. motor & trailer. Ext. 7657.

18' IMPERIAL - 1978, 1983 105 h.p. outboard, 1986 EZ load trailer, Coast Guard package, many extras, \$6,000. 736-7242.

24' REVEL CRAFT - 1973, sleeps 4, new Ford 302 cu. in., low hours, all glass, \$6,500. Jerry, 286-1362.

1976 HOLSCREW TRAILER - galv., new tires, etc., \$500; 16' Larson, f/g, 18 gal. tank, 75 h.p. Evinrude, trailer, \$1,200. Don, Ext. 4661 or 654-2106 eves.

17' GRUMMAN CANOE - aluminum, \$300. 878-0835.

MERCURY ENGINE - 45 h.p., good for parts or repair. \$15. Craig, 395-1084.

15' WINNER - 80 h.p. Merc, 1985 trailer, canvas top, new seats, many extras, excel. cond. \$2,100. Ext. 7915.

7' ENSIGN DINGHY - fiberglass, w/motor mount, \$295. Bill, 822-5144 eves.

Miscellaneous

GE AIR CONDITIONER - 10.5 Btu, \$150; IBM electric typewriter, 13" carriage, recent overhaul, \$200; nylon carpet, 10'10"x11', \$75. Bill, 3369.

REFRIGERATOR/FREEZER - 20 cu. ft., frost-free, \$175. Ext. 3164 or 744-5954.

IBM ELECTRIC TYPEWRITER - fully operating, recent overhaul. 286-0975.

EXERCISE BICYCLE - Bollinger Aerobic Point 25, used 3 hours, cost \$100, sell for \$65. 722-4489.

BELL BICYCLE HELMET - worn once, \$22. Ext. 2733.

TOPSOIL - \$15/per yard, delivered, 5 yards minimum. 924-7746 or 924-9427 after 7 p.m.

PC SOFTWARE - Microsoft Fortran V. 4, \$400; C.V. 3, \$150; Quickbasic V. 3, \$50. Alan, Ext. 2928 or 821-1389.

20" BICYCLE - adaptable for boy or girl. Morris, Ext. 4192.

ELECTRIC HEDGE TRIMMER - 16" Craftsman, double-edge cutting, brand-new, asking \$30. Frank, Ext. 3120.

CONSOLE PIANO - Kimball Artist, excel. cond., \$1,500. 744-7577.

ANTIQUES - Revolutionary war and Civil War. Doug Pope, 732-7634.

GENERATOR - 4 kW, new, \$450. 924-6348.

THREE-PIECE COUCH - gold, \$85; 42" kitchen set, table, (4) chairs, \$25. 281-4609.

FIREMOUNT CHAIRS - (2), French provincial w/caning. 286-0355.

WALL UNIT - tan marble formica, smoked glass, lights, bar, adj. shelves, 3-piece, each 30" w x 7" h, \$300. Ext. 7918 or 744-3068.

MAHOGANY WOOD CABINETS - bar/server, 26" w x 37" h x 15" d, \$80. 744-6874.

DOUBLE BED - \$80; sofa w/2 armchairs, \$250; bookcase/wall unit, \$60. Ext. 7734 or 395-1635.

DINING ROOM SET - Colonial, 2 yrs. old, large hutch, neg; bedroom set, white provincial, single bed, 6-piece, like new. 475-8473.

GE AIR CONDITIONER - Carry Cool, 5000 Btu, used 1 month, \$150. Ext. 4293 or 567-9362 eves.

SNAPPER LAWNMOWER - Rear Bagger, 22", runs very well, 4 years old. 744-0024.

BICYCLE - for 5 to 8-year-old children, \$10. Ext. 7901 or 3201.

ATARI-2600 GAME SYSTEM - w/accessories & 15 game cartridges, \$75. Jag, Ext. 5080 or 751-1884.

CB RADIO - 40-channel, 5-watt, w/microphone & mounting bracket, excel. cond., \$25. Bill, Ext. 2906 or 929-6189.

GE KITCHEN APPLIANCES - countertop stove, wall oven & dishwasher, old but still work well, make offer. Ext. 2959 or 751-4629 after 6 p.m.

REFRIGERATOR - 17 cu. ft., avocado, good cond., \$90. 928-1209.

MOVING SALE - furniture sets, toys, games, books, new gift items. 928-5737 after 7 p.m.

MOVING SALE - furniture and much more, off South Country Rd. 286-9051.

STRAWBERRIES - U-pick, Meadows Farm, Old Stump Rd., Brookhaven, 7 days, 9 a.m.-5 p.m. No chemicals used.

WATERBED FRAME - queen, headboard, heater, plus velvet side rails, must sell. Denise, Ext. 3630 or 667-2784/783-1371 eves/wknds.

PIANO - large, upright, good cond., \$100. 286-3847.

STORM WINDOWS - screens & shutters, wood, various sizes, make offer; king-size brass bed, \$600; mattress, \$400., Ext. 4846 or 363-6940.

CRIB - w/mattress, excel. cond., \$70; high chair, \$10; humidifier, \$9. Ulrich, Ext. 2341 or 281-2716.

WEIGHT SET - 80 lbs., \$30; guitar, \$30, both for \$50. Jane, Ext. 2362.

DINING ROOM SET - 35 yrs. old, cherry mahogany china closet, buffet, table, (6) chairs, \$800. 732-4068.

GIRL'S BIKE - 16", blue, \$12.50. girl's roller skates, size 12; boy's ice skates, size 1. Jim, Ext. 2432.

ANTIQUE BRASS CHANDELIER - \$35; tall brass candle stick lamp, \$40; large capacity Litton microwave, \$180. 475-4792.

APPLE II+ COMPUTER - 64k, 2 drives, monitor, fan, serial, parallel, 80-cd, u/l case software, \$500. Alan, Ext. 2928 or 821-1389.

SEARS WASHER/DRYER - good cond., \$225. 363-7032.

SIAMESE KITTENS - 11 wks. old, sealpoint, loveable, \$100. 654-5298, leave message.

CHANDELIERS - assorted sizes, crystal and others, \$25-\$50; 25" Magnavox TV, floor model, plays well, \$50. 277-4091.

WEDDING DRESS - w/train, veil, size 12, \$75. 744-7590.

HEADBOARDS - (2), twin-size, maple, \$15/each. Tony, Ext. 2050.

SOFA QUEEN SLEEPER - Haitian cotton, asking \$250; Colonial dresser w/mirror, \$25; matching oriental rugs, 3x5 & 8x10, \$50. 325-0708.

BABY STROLLER - \$15. Akos, Ext. 4973/3170, 10 a.m.-5 p.m.

HAT/WIG BOXES - w/zippers & attaché case with key. Ext. 2950.

DINING ROOM TABLE - Colonial, chairs, hutch, desk, server; Hitchcock bedroom set. 584-5197.

SLEEPING BAGS - (2), goose down w/mattresses, \$125/each; three-person tent, never used, \$25. 744-8140.

CRAB POTS - commercial type, used, \$5/each. 588-2477.

RIVAL MEAT SLICER - electric, good cond., \$25. Joe, Ext. 2898.

Yard Sales

SHOREHAM - 34 Valentine Rd., off North Country Rd., June 20, 10 a.m.-4 p.m., art deco collectibles, etc.

SHOREHAM - 35 Robinson St., June 19-20, 3-family.

RIDGE - 1C Saratoga Ct., Rt 25 to Smith Rd., south to Strathmore Condos, June 27, 10 a.m.-4:30 p.m., June 28, 1:00 p.m.-4:30 p.m., 2-family.

Lost and Found

LOST - wrist watch, Seiko Sport 100, titanium, black, in Bldg. 911A, reward, no questions. Bob, Ext 4561 or 744-3289.

Car Pools

PATCHOGUE - van pool, seat open. Ext. 4669, leave name and number.

CENTEREACH - July/August, possibly Sept. Ron, 467-2127.

Free

ELECTRIC TYPEWRITER - Underwood office model, needs work; 275 gallon oil tank, you pick up. Bill, Ext. 4774.

CONCRETE MIXER - old, but usable. Ext. 4604.

COFFEE CANS - one pound. Charlie, Ext. 4758.

COUCH - Castro convertible, gold w/built-in end tables. Craig, 666-9366.

ICE SKATES - leather, boy's 3 1/2, girl's 5 1/2, ski boots, Henke plastic, men's 9. Ext. 3535.

Real Estate

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

For Rent

HILTON HEAD, SC - 2 bdrm. condo, sleeps 6, beach, pool, tennis, golf, many extras, some summer openings; taking fall rentals, \$400/wk. 585-9149.

SOUTHAMPTON - waterfront 4 bdrm. house and 2 bdrm. cottage, furn., 2-yr. lease beginning Sept., house \$1,200/mo. + 2 mo. sec; cottage \$950 mo. + 2 mo. sec. Ext. 2666 or 283-5376.

EAST SETAUKET - vacation rental, avail. June 23-Aug. 27, 3 bdrm. ranch, l/r, d/r, den, f/p, cable TV, bsmt. Ext. 5012 or 331-3790 eves.

SOUND BEACH - 1 bdrm., unfurn., kitchen, l/r-d/r combo., full bath, w/w, cable, priv. entrance, 2 months' sec., business person or couple preferred, all util. incl. 744-0725.

WADING RIVER - 1 bdrm. apt., 10 min. from Lab, 1 block to beach, heat & electric incl., \$525/mo., no pets. 929-4032.

HILTON HEAD, SC - 3 bdrm. condo, sleeps 8, indoor pool, whirlpool, golf, tennis & ocean, asking \$89,000. 929-8912.

MASTIC - 2 bdrm. apt., l/r, kitchen,