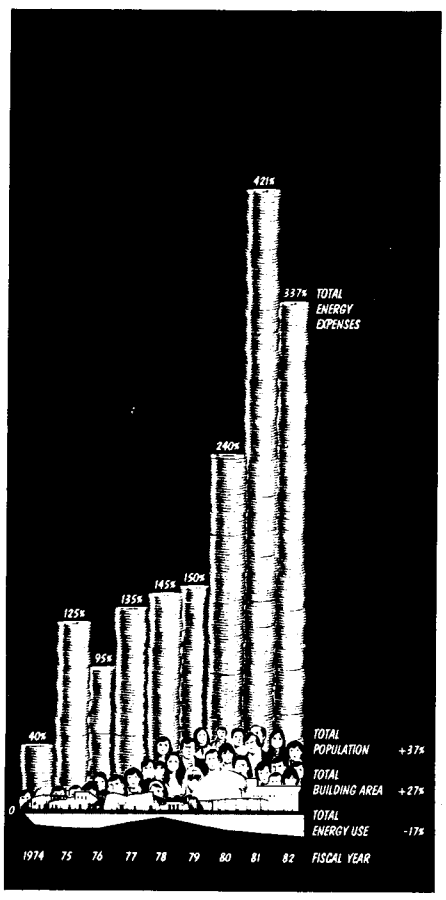
BROOKHAVEN BULLETIN
Vol. 37 - No. 33 August 19, 1983
BROOKHAVEN NATIONAL LABORATORY

Master Plan Guides Site Development



Energy cost trends.

The new Master Plan contains a generous number of photographs documenting the existing buildings on site. The text is also well illustrated with colorful visuals. Reproduced here are three of the nearly 70 tables and figures, many of which were the creation of graphic designers Roberta Samaritter and Alan Schmidtchen, in the Photography and Graphic Arts Division.

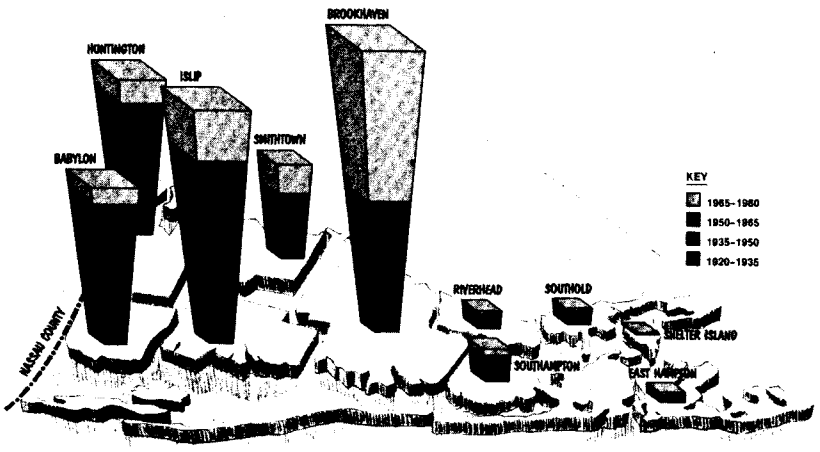
The newest Master Plan for the Lab site has come back from the printer, and a copy is now available in the Research Library for browsing. It updates the one issued in 1976.

The plan describes the existing site and facilities, discusses the site's interaction with surrounding communities and charts the physical changes and growth required to realize research objectives in the next five years and beyond.

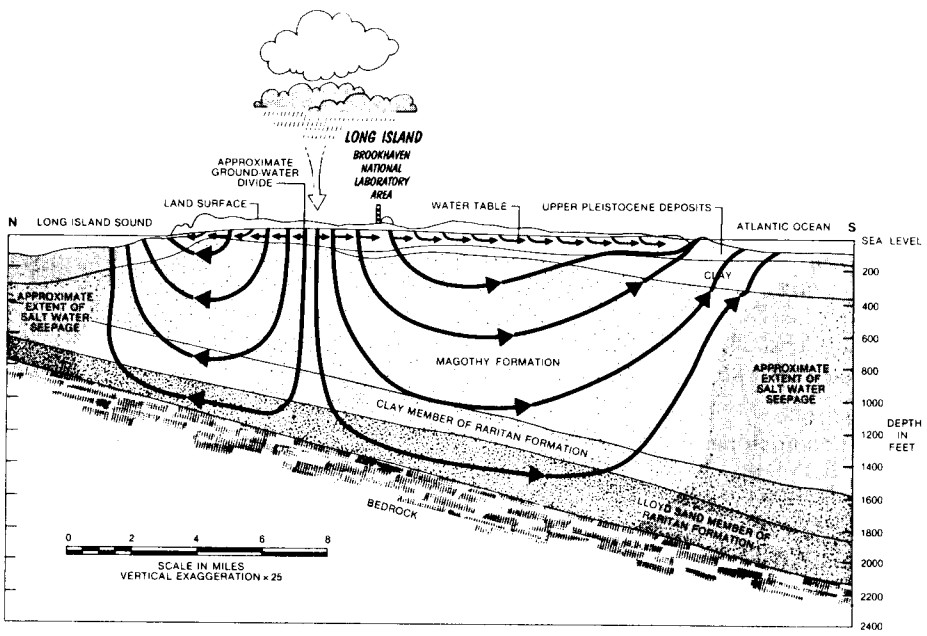
As he did in 1976, principal architect Louis Harson was in charge of editing and producing the latest plan. Comparing now to 1976, Harson notes that several new developments can be seen. For example, over 50,000 square feet of modular buildings have been added. Says Harson, people have been overcrowded for a long time, and the modulars have eased some of the problem.

Another evident change is the Lab's progress in energy conservation. Since 1978 total energy use at the Lab has gone down, in spite of an increase in building area and a slight increase in site population. Through the energy management program, the U.S. Department of Energy has begun to support a general upgrading of buildings, in an effort to reduce energy use.

The Master Plan contains discussions of existing conditions, a five-year plan and a long-range plan. Also included is a section called regional overview, which discusses the Lab site, history, demography, climate, flora-fauna and land use.



Relative population growth of Western and Eastern Suffolk townships.



Section showing groundwater flows.

Better Buying with IPAP

Every day, nearly 100 purchase requisitions come in to the Division of Contracts and Procurement. They don't arrive in brown inter-Lab envelopes. They come in as electrical signals to a printer, which types them out on command. At Brookhaven, purchasing has entered the electronic age.

It's part of a project called IPAP, named for its goal of integrating the requisitioning, purchasing, accounts payable, receiving inventory management and order entry functions at the Lab. For two years now, work has been proceeding to convert all of the Lab's buying procedures, from initial requisition to final payment, to the new IPAP system.

The heart of IPAP is a computer housed in the Management Information Systems Division. Through terminals around the Lab, that central computer links all the groups involved in processing a purchase order. Supply and Materiel's receiving section began using IPAP over a year ago, Contracts and Procurement started the changeover months later, and Fiscal will be on line soon.

Except for the people in those specific divisions, the rest of the Lab probably sees IPAP as only a different form to fill out when making a purchase request. Here is how the system works now:

A purchase requisition is made by filling out a form called work copy.

- The work copy goes to an administrative office for approval.
- Information from the work copy is typed into a terminal, and a special code number is attached. The computer recognizes the code as signature authorization and sends the approved request on to a printer in Contracts and Procurement.
- The requests are printed out, in order of their entry, at least twice a day.
- Using the print-outs, the purchasing agent assigns requests to individual buyers, according to the commodities each buyer handles. This is now done manually, but eventually these assignments will be made electronically, and a buyer will be able to call them up on his or her own terminal.
- The buyer enters on the purchase requisition such buying information as price, vendor, and delivery date.
- A purchase order is printed by the computer, signed by the buyer and mailed out. (A long-range possibility is to electronically transmit the purchase order to a vendor — completely electronic buying.)
- When the order is received by Supply and Materiel, it is immediately logged into the computer so that anyone checking on the order's status will know that it has arrived. The item is then inspected and compared against the original purchase order, which is called up on a terminal. If goods are damaged or missing, that information is logged into the computer to be

(Continued on page 3)

Doug Humphrey

At an IPAP work station in Contracts and Procurement are (from left) secretary Sharon Atkins and assistant buyers Mickey Haller and Donna Feldmann.

New Careers in Purchasing

For years, the Division of Contracts and Procurement, has had a career path program for secretaries who want to go in a different direction. Several have taken advantage of this opportunity and become buyers or contracts specialists. At present, three former secretaries are now working as assistant buyers.

Donna Feldmann has been buying for three years. Like the other assistant buyers, she handles a wide variety of commodities, buying a little bit of everything to gain experience and knowledge. Most frequently, though, she buys safety equipment, biochemicals, serums, stationary and janitorial items. The job comes naturally for Feldmann. "Outside BNL, I enjoy shopping and always look for the best buys. Keeping track of prices in the market place helps me in my purchasing functions at the Lab," she says.

Altogether, Mickey Haller has been at the Lab for 16 years, taking time off in between to raise her family. Except for a few months, she has always been in Contracts and Procurement — as a secretary, a supervisor of secretaries, and since last year, as an assistant buyer. "I've always liked the fast pace in the division," she says. "And now I deal with a lot of people, which I enjoy, and the job is challenging." Haller buys a variety of goods, including tools, automotive parts, compression fittings, cylinder gases, plastics, rubber materials, welding supplies, paints and landscaping stock. Since about 80 percent of all buying is done by phone, Haller and the other buyers spend a good part of the day on the phone. "But I'm never all talked out when I get home!" she says.

Just two months ago, D.J. Greco was a secretary. Now she is buying electrical items and computer supplies. "I'm learning quickly," she says. "I like it busy, though. Keep me busy and I'm happy." Echoing her fellow assistant buyers, Greco says the job is an unusual opportunity for a secretary to move into a new career.

Winner's Circle

A suggestion for mounting an awareness campaign to educate employees on the proper use of nickel-cadmium batteries has netted Paul Zahra (Safety & Environmental Protection Division) an award of $140 from the Employee Suggestion System.

Rechargeable nickel-cadmium batteries are used in calculators, pocket pagers and other instruments. Zahra's campaign involved writing a list of "Tips on Ni-Cad Batteries" that appeared in the Bulletin on July 29, and instructions, which will be dispensed by the Supply & Materiel Division with every new ni-cad battery, battery pack or calculator.

In Memoriam

Thomas P. O'Rourke, Sr. Stationary Engineer, Plant Engineering Division, died on August 10 at the age of 58. He had been at the Laboratory since October 20, 1980. O'Rourke is survived by his wife, Mae, three daughters and one son. He was a resident of Lindenhurst.

Reports Available

The following reports are now available to the Laboratory Staff and to affiliates of the DOE, AUI and NRC. Others may purchase the reports from the National Technical Information Service, U.S. Dept. of Commerce, 5285 Port Royal Rd., Springfield, VA 22161. Staff members should call Ext. 5068.

BNL 51403
Space Conditioning Equipment Technology — A Progress Report on the Brookhaven National Laboratory Program. L.M. Woodworth, G. Dennehy

NUREG/CR-2331
BNL-NUREG-51454
Vol. 2 #4
Safety Research Programs Sponsored by Office of Nuclear Regulatory Research. Quarterly Progress Report Oct. 1 — Dec. 31, 1982. A.J. Weiss, et al

NUREG/CR-2785
BNL-NUREG-51551
Irradiation of Zeolite Ion-Exchange Media. K.J. Swyler, R.E. Barletta

BNL 51613
Lysimeter Study of Commercial Reactor Waste Forms: Waste Form Acquisition Characterization and Full-Scale Leaching. R.M. Neilson, Jr., P.D. Kalb, P. Colombo

BNL 51627
The Brookhaven Solar Heat Pump Simulator: Technical Description and Experimental Results. M. Catan

NUREG/CR-3148
BNL-NUREG-51645
Independent Assessment of TRAC-PD2 and RELAP/MOD1 Codes at BNL in FY 1981. P. Saha, J.H. Jo, L. Neymotin, U.S. Rohatgi, G. Slovik

NUREG/CR-3188
BNL-NUREG-51654
The Steady State Porous Body Assembly Code (SPAC) User's Manual. G.J. van Tuyle

BNL 51656
On Some General Features of Turbulent Flows with Large Reynolds Numbers. A. Levin

BNL 51657
Seminannual Report for the Period April 1, 1982 to September 30, 1982 of Work on:
1) Superconducting Power Transmission System Development
2) Cable Insulation Development.
E.B. Forsyth

NUREG/CR-3028
BNL-NUREG-51600
A Review of the Limerick Generating Station Probabilistic Risk Assessment. I.A. Papazoglou, et al

BNL 51622
Development of a High Efficiency Warm-Air Furnace Using Heat-Pipe Principles. THERMACORE, Inc.

BNL-51641
BNL Neutral Beam Development Group Progress Report FY 1982. K. Prelec, Th. Sluyters

A group of BNL kayakers were out at Smith Point this week riding the surf. At the top is Gavin Watson, who seconds later did a nose dive which cracked a hole in the bow of his boat. Pictured at left are Alan Kuehner bearing down on his son Soahn, age 11.

In the summer, it's white beaches, bikinis and good surf. In the winter, its quiet rivers crusted over with a wafer of ice. Year-round, several Brookhaven employees follow the change of seasons in search of good water to paddle. They are kayakers.

It all started nearly a decade ago, when Bob Bergoffen, Reactor Division, was president of the Mountain and Canoe Club. He was an avid canoeist who got a lot of people interested in canoeing, one of them being Dick Watson, in Physics. Bergoffen and Watson decided to try kayaking so that people could learn in the Lab pool and get some exercise in the winter. Weighing an average of 30 pounds, a kayak is less than half the volume of a canoe and is extremely maneuverable in close quarters.

The kayak lessons became regular sessions on Sunday mornings in January and February, taught by local area kayaker Dan Broadhurst. They were sponsored by the Mountain and Canoe Club and open to all who were interested. For everyone who signed up, lesson number one was to climb into a boat and get turned upside down.

The dunking didn't phase Alan Kuehner, Safety and Environmental Protection Division. In short time, he learned how to roll up again with the help of his paddle and a good hip snap. The other strokes — back paddle, brace, scull, draw — came even easier. Kuehner enjoyed the sport so much, he got his whole family involved. Now they own three kayaks and two canoes — a boat for each member of the family, plus one. "When we go on vacations, we routinely take along some boats," says Kuehner.

Besides the Kuehners, other families have gotten involved in the sport. Dick Watson and his sons Philip, Gavin, Jamie and Jay, shared Sunday lessons in the pool, as did Ernie Jochen, Accelerator Department, and his son Tim. Gavin Watson and Tim Jochen became quite serious, going on to tackle heavy water and even learning to build their own boats.

Gavin Watson is now working at the National Synchrotron Light Source, having graduated in physics from Amherst. During his college years, he paddled rivers in New England and in North Carolina. Now based on Long Island, he mostly challenges the Atlantic Surf, using either his kayak or a surfski, a board that he sits on and steers with a kayak paddle. Watson prefers fast water. "It keeps me on my toes," he says.

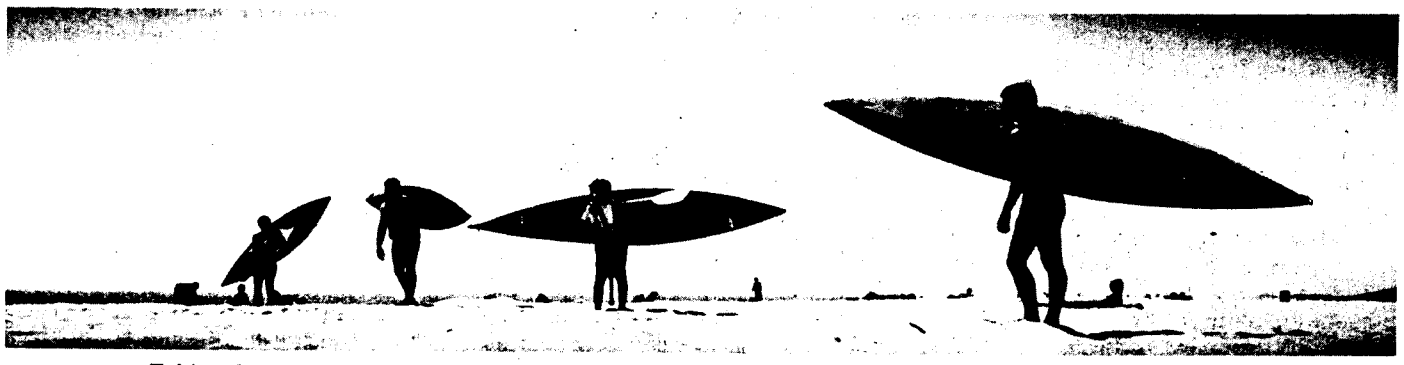
Seven years ago, Steve Rowley got his start in kayaking when he tried out Gavin's boat one day. They had just finished paddling down a river, Watson in a kayak and Rowley in a canoe. Rowley liked the kayak's greater maneuverability and decided to try some pool lessons. Now a student at Carleton College in Minnesota, Rowley spends his semester breaks doing research in electrochemistry in the Department of Applied Science.

A favorite trip of his is to carry his boat and paddle from his house down the road to the Carmans River and paddle the short distance to the Great South Bay, then over to Fire Island and back. He says people are often crabbing at the end of his road, and they are always curious about him. Occasionally, he's let the especially inquisitive ones have a turn in his boat.

Kayaking is certainly not as popular on Long Island as it is in other parts of the country where there are plenty of fast rivers to run. But for the white water enthusiasts here, surf can satisfy. As Gavin Watson says, "Surf kayaking is lots of excitement packed into a short moment."

And for all paddlers, the four rivers of Long Island — Peconic, Carmans, Nissequogue and Connetquot — offer quiet refuge from suburban sprawl.

—Mona S. Rowe



Taking their boats to water are (from left) Steve Rowley, Alan Kuehner, Soahn Kuehner and Gavin Watson.

BROOKHAVEN BULLETIN

Published weekly
for the employees of
BROOKHAVEN NATIONAL LABORATORY

BERNICE PETERSEN, Editor
MONA S. ROWE, Assistant Editor
ANITA COHEN, Reporter

35 BROOKHAVEN AVE., UPTON, N.Y. 11973
Telephone (516)282-2345

IPAP (Cont'd)

reconciled. Then the package is delivered, the driver following a computer-generated ticket that lists the requisitioner, receiving information and delivery point. In the future, the computer will also generate a delivery list that organizes packages by location and even assigns trucks.

• Accounts Payable issues a check to the vendor. Again, IPAP will soon streamline this operation.

In Contracts and Procurement, the procurement section was first to start implementing IPAP. Contracts people, who arrange the purchase of services, will also make use of the new system.

Whether it is used for purchasing goods or services, IPAP will help make buying easier and more efficient. Joe Haeg, special procurements administrator, was part of the Lab-wide team that originally put together IPAP. For his division, he says the new system can be used to see how many orders are outstanding, to track particular ones, to look at a vendor for price history, to do a quick source check, and provide other useful information.

Since IPAP is not yet fully operational, purchasing personnel have been coping with parts of both systems — old and new. And before they complete the changeover, all of the functions of the old system must be incorporated into IPAP.

So for now, not everything is working smoothly. But as Haeg says, "IPAP is here, and people are receptive to making the change because they look forward to when the conversion is complete and their work is made easier."

CREF Values

July	42.41	August	47.05
September	47.32	October	52.59
November	54.78	December	55.73
January	57.59	February	58.93
March	60.75	April	65.12
May	65.07	June	67.12

July $65.43

Special Event

Reserve the date of October 14 or 15 for Dinner Theatre at BNL sponsored by the Special Events Committee of BNL. Watch for additional details in future Bulletins.

Yellow Jackets

A species of yellow jacket that eats hot dogs and drinks soda has become a public nuisance in picnic areas, campgrounds and parks throughout the eastern U.S., reports the Cooperative Extension Association of Suffolk County. The insect simply craves foods commonly eaten by people, thriving on barbecue tidbits and picnic leftovers. To prevent being stung, avoid sweet-scented perfumes and hair sprays, and don't walk in areas covered with wild flowers. You can also help control the problem by cleaning up picnic areas and using proper sanitation practices.

Camera Club

The Camera Club will meet on Thursday, August 25 at 5:30 p.m. in the Recreation Building. The program for this meeting will focus on two topics: existing-light photography and advanced black-and-white printing.

September's meeting will feature a critique and contest (slides and prints) of photos taken during the summer months.

Arrivals & Departures

Arrivals

Charles H. Hofmayer ..... DNE
James B. Murphy ..... NSLS

Departures

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

Massimo Cornacchia ..... Accelerator
Richard E. Noble ..... Accelerator
Charles F. Ruege ..... DNE

Tuition Increase

Tuition has increased for on-site courses offered in the fall by Suffolk County Community College (SCCC) and St. Joseph's College. SCCC is now $39 a credit and St. Joseph's is $105 a credit.

Softball

Scores for Week of August 8

League I

Six Pax 7 — Phoubars 4
Ice Pops 9 — AMD 8

For AMD, Paul Kessler was 4 for 4 with 2 home runs. For the Ice Pops, Marty Leach was 4 for 4; Tony Mendez had a homer, and Joe Bush was the winning pitcher.

Blue Jays 17 — Big Sticks 0

For the Big Sticks, Lou Evers was 2 for 3. For the Blue Jays, Frank Palmeri was 3 for 3; Dave Hansen, 2 for 2, Jeff Droscoski and George Oldham were 3 for 4, George had a home run; Larry Musso was 2 for 3, and played superb defense.

Revens 14 — Moles 10

For the Ravens, Herbie Harris and Bob Brown were 3 for 4; Bob Rowley was 2 for 3.

Makeup game:

Ravens (won) — Big Sticks (forfeit)

League II

Roga 14 — Dirty Sox 5
Lights Out 10 — Random Errors 9
Light Source 17 — Magnuts 16
Titans 11 — Medical 1

League III

E-Z Riders 5 — TNT 4
Nads 10 — No Names 7
Survivors (won) — Mole-Esters (forfeit)

League IV

No Feedback 10 — Mudville Sluggers 9
Spacekadets 21 — Random Sample 12
Underalls 10 — Who's On First 5
The Source (won) — Who Cares (forfeit)
Turkeys 15 — Septembers 2

Makeup game:

Underalls vs. Who's On First

Game was rained out at 5 all. Game will be replayed if necessary.

Pool Races

Last week's enthusiastic race winners were as follows:

Ages 4 and 5
1st Hefziba Ten-Brink
2nd Melanie Suller
3rd Anne Rechkemmer

Ages 6 and 7
1st Ifat Meron
2nd Jennifer Chen
3rd Erin Gill

Ages 8 and 9
1st Kathleen Holden
2nd Keith Chan
3rd Robert Rechkemmer

Ages 10 and over
1st Greg Holden
2nd Megan Holden
3rd Keith Holden

Today at 3:15 p.m., head lifeguard Rich Parsons and his crew will lead activities at a "water carnival." Everybody come!

John Lee Hooker

John Lee Hooker Sings the Blues

John Lee Hooker, one of the greatest blues singers in America, will be on stage in Berkner Hall on Saturday, September 3, at 8 p.m. Mr. Hooker will appear with his Coast to Coast Blues Band, and he will be sharing the spotlight with Doug "Harmonica" McLean's Blues Band.

John Lee Hooker created a style of blues that has influenced such bands as the Rolling Stones, the Animals, Canned Heat and the late Jimi Hendrix. A critic from the New York Times Magazine has written: "The Mississippi Delta blues descend in an unbroken line from Charley Patton and Robert Johnson down through Muddy Water, Howlin' Wolf, Johnny Shines and John Lee Hooker. One player passed the music along to the next, perpetuating the scary slide-guitar style, the lonely single-chord drone, the harsh vocals and the wordless moans that sound like the wind howling over the flat, black, watery fields of the Yazoo River bottom." John Lee Hooker is now in his 60's, but he shows no sign of slowing down. He continues to tour regularly, pleasing blues-loving audiences wherever he plays.

Doug "Harmonica" McLean built his reputation as a blues harmonica man, playing with numerous rhythm and blues combos. After touring the country with the famous Louisiana Red Blues Band, he embarked on a solo career, forming his own band. McLean plays an acoustic harmonica and a wailing, electrified blues harmonica.

Tickets for the September 3 concert are offered in advance at a discount price of $10 each. On the night of the concert, tickets will be sold at the door for $12. Advance tickets can be purchased on site at the BERA Sales Office, open from 9 a.m. to 1 p.m., or from any of the following persons:

Mary Durham, Bldg. 464, Ext. 7982
April Donegain, Bldg. 197D, Ext. 2903
Mac Thomas, Bldg. 318, Ext. 2959
Kay Hunt, Bldg. 185, Ext. 2882
Deidre Seymour, Bldg. 462U, Ext. 5037
Sandra Green, Bldg. 535A, Ext. 4933

The blues concert is sponsored by Brookhaven's Afro-American Culture Club.

NYC Train Trip

The Hospitality Committee is planning a group railroad trip to New York City on Wednesday, August 31. Departure will be at 7:55 a.m. from the Patchogue LIRR station. Round-trip fare for adults is $3.50; children under five years ride free.

Reserve a ticket by sending your fare through the U.S. mail to BNL P.O. Box 322, Upton, New York 11973. Please do *not* send cash. Checks or money orders, payable to BNL, must be received by Thursday, August 25, Put the date of the trip, your BNL life number and your phone number on the back of your check or money order. Your tickets will be given to you at the railroad station on the day of the trip. Refunds will be made only if cancellations are received by the Monday morning preceding the trip.

Nursery School

Parents of three and four year-old children have a double opportunity to enroll their youngsters in the on-site nursery school. The Upton Nursery School is having two enrollment days — Thursday, August 25, 7:30 to 8:30 p.m. in the Recreation Building, and Friday, August 26, 11:45 a.m. to 1 p.m. in Berkner Hall. Teachers and parents will be on hand to answer questions.

The fall term begins September 19. The school accepts three and four-year-olds, in classes scheduled two or three mornings a week. For more information, or to obtain a school application by mail, call Donna Miltenberger, 924-0590, or Jane Shero, 286-0925.

Singles Club

Do not forget the wine and cheese "get acquainted" party tonight at 5:30 p.m. in the Recreation Building. All interested parties are welcome. BYOW/C. Any questions, call Chuck Watson, Ext. 5317.

Cafeteria Menu

Week Ending August 26

Monday, August 22

Spinach egg drop soup	(cup)	.65
	(bowl)	.75
Broiled chicken livers & onions w/1 veg.		1.80
Swedish meatballs on egg noodles		1.85
Hot Deli - Roast turkey breast	(bread)	1.85
	(roll)	2.00

Tuesday, August 23

Lentil soup	(cup)	.65
	(bowl)	.75
Cheddar beef steak & 1 veg.		1.85
Southern-fried chicken w/stuffing & cranberry sauce		1.95
Hot Deli — Sandwich steak w/peppers & onions	(bread)	1.95
	(roll)	2.10

Wednesday, August 24

French onion soup w/croutons	(cup)	.65
	(bowl)	.75
Seafood platter		2.15
Veal scallopini & 1 veg.		1.95
Hot Deli — Chicken breast Parmesan	(bread)	2.05
	(roll)	2.20

Thursday, August 25

Tomato rice soup	(cup)	.65
	(bowl)	.75
Sauerbraten & potato pancake		2.00
Turkey à la king on rice		1.85
Hot Deli — Sausage & pepper hero		1.95

Friday, August 26

New England clam chowder	(cup)	.65
	(bowl)	.75
Fish & shrimp Newburg on rice		2.00
Macaroni & cheese w/1 veg.		1.80
Hot Deli — Top round of beef	(bread)	1.95
	(roll)	2.10

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. 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 Personnel Placement Supervisor, Ext. 2882.

LABORATORY RECRUITMENT: Opportunity for present Laboratory employees.

1927. ADMINISTRATIVE POSITION - Requires AAS degree in business administration or equivalent, excellent communication skills and demonstrated ability to work with detail-oriented administrative matters. Primary responsibilities include accounts receivable coordination, control and follow-up, IPAP input, as well as secretarial duties. Word processing and math background desirable. Director's Office.

1928. CONSTRUCTION INSPECTOR - Responsibilities include supervision of contract electrician and ascertaining that outside construction contractor's labor, materials and work procedures comply with contract documents and applicable safety requirements. Requires minimum of five years' experience as an electrician plus experience in supervision and management of construction projects. Plant Engineering Division.

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

1929. RESEARCH ENGINEER - Requires a BS/MS in engineering plus several years' experience in the reactor field. Candidate must be familiar with the function, operation, testing and maintenance of light water reactor (BWR's and PWR's) plant systems. Responsibilities will include a review of specific nuclear power plant licensing issues in the areas of safely shutting down a plant. Department of Nuclear Energy.

Autos & Auto Supplies

30 CHEVY - restoration started, all parts. Pete, 744-8349 after 6 p.m.

SEARS X-CARGO CAR TOP CARRIER - $60. Ext. 2223 or 929-6421.

2 RADIAL TIRES - P155/80R13, mounted & balanced on Chevette rims, $50/both. Jake, Ext. 4532.

1958 SOFT ICE CREAM TRUCK - clean, ready to go, $13,500. Call Joe, 581-2481.

TIRES - 4 Goodyear polysteel w/w, (3) P195/75-5-14, (1) P205/75-R-14, excel spares, $10 ea. Ext. 2492.

1966 BSA 441CC MOTORCYCLE - $399. Frank, Ext. 2022, 399-4480.

78 HONDA MOTORCYCLE - s/s 750, $1200. Steve, 878-9098 evenings.

80 CUTLASS SUPREME - $6,200. Ext. 7608, 475-6772.

72 CHEVY VEGA GT - needs windshield, asking $400. Paul, 286-2517.

83 RENAULT ALLIANCE DL - 878-4498.

79 FORD FAIRMONT FUTURA - asking $3,200. 399-5316

TRAIL BIKE - RS175cc; Suzuki 1980, $750. Ron, Ext. 7696, 289-1003.

78 CADILLAC ELDORADO BIARRITZ - $6600. Rosalie, Ext. 3160 or 289-5704 after 5:00 p.m.

76 KAWASAKI KZ900 - mint. Carl, 399-2646.

69 VW BUG - running cond., $200. Ext. 4249.

70 OLDSMOBILE CUTLASS SUPREME - excel. mech. cond., $650. 351-1017 after 7 p.m.

74 COLEMAN BRANDYWINE CAMPER - sleeps 6, excel. cond. 74 Olds Cutlass Supreme 744-5142.

74 DODGE - power wagon, 4 whd w/camper, must sell, needs work, $500. 758-6879 after 5.

81 MALIBU CLASSIC - $6100. Marcie, Ext. 5294.

70 AMC - lo-mi., auto. ps/pb, $350. Ted, Ext. 4163, 286-0065.

80 DIESEL RABBIT - 49,000 mi., $4000. 286-1046 before 8/23 after 8/28.

75 FORD TORINO - $900. David, Ext. 4362 or 4890.

72 FIAT COUPE - runs, needs work, $250. Ext. 4649.

71 VW BUG - $1250. 732-1722.

BEIGE CANVAS TOP - for 1979 Renegade jeep, $200 or best offer. 76 Chevy Camaro - $2000 or best offer. 286-8041 after 5 p.m. on weekday ends.

77 CHEVY MAILBU WAGON - a/c, $2350. Harry or Sonja, Ext. 3080 or 3096 eves.

80 HONDA CR80 - dirt bike, rebuilt eng., helmet, $450. 928-2244.

73 FORD RANCHERO - new trans., brakes, exhaust, am-fm stereo cassette, $1400. Call 281-4392.

72 FORD MAVERICK - runs well, $300. Call Yves, Ext. 2735. 71 PONTIAC VENTURA - 6-cyl., $500.

821-0144 after 6 p.m.

4 TIRES - P17S/75R14, $25. 363-6940 after 5 p.m.

73 VW BUG - only 5,000 mi. on, recently rebuilt eng., in very good cond., $1785. Ext. 3011.

72 SAAB ENGINE - 1.85 lt., whole or parts, also some body parts for 72-79. 744-5079 after 6 p.m.

75-79 HONDA CIVIC CVCC PARTS - Laurence 744-5079 after 6 p.m.

73 FORD MAVERICK - 6 cyl, automatic, $1300. 363-6940 after 5 p.m.

VOLVO 145 WAGON - $1200 firm. Call Ext. 3457.

63 FORD GALAXIE 500 - Mike, Ext 4988.

79 CHEVETTE - $1995. 473-2473.

70 KARMAN GHIA - $1000. 286-1618.

TIRES - 6:50x13, 6 ply rating, for boat trailer, with wheels. Joe, Ext. 2975.

Boats & Marine Supplies

68 SEA SPRITE - electric start, complete package. If interested call 744-5224.

19' THUNDERBIRD - all glass, sit down cabin, 105 h.p. Chrysler, $2200. Ext. 2075.

RADIO DIRECTION FINDER - Pedree Simpson, model Gulf Stream, new cond., $100. Walt, Ext. 3256.

22' SAILMASTER SLOOP (KESTRAL) - Dutch-built, 1964, fiberglass hull, wooden spars, extra sails, good cond. $6000. 286-1046 before 8/23, after 8/28.

15 FT. FIBERGLASS BOAT - with 40 h.p. eng. and trailer, $600. 878-4285 after 5:30 p.m.

APOLLO SAILBOAT - 14 ft., fiberglass seats, 4 main and jib sails, $600. 878-4285 after 5:30 p.m.

15'-16' GLASS RUNABOUT - with 40 h.p. eng., $475. Ext. 4188.

Yard Sales

MOVING SALE - Sat. 8/20, 10:00-4:30, rain or shine (in garage), 6 Pepperidge La., E. Moriches. Bed, sofa bed, washer, TV, tables, tools, garbage cans, shets, many other misc. items.

MOVING SALE - furniture, clothes, toys, baby items, photo enlarger, corner Lakeside and Meroke trails, Lake Panamoka. Aug. 20 and 21.

Miscellaneous

BASF BLANK CASSETTE - quality CrO_2, C-90's, $2.75 ea. Ext. 2521.

DISK DRIVES - MPI model 51, double density, 40 track, new, $125. Dick Ext. 2911.

QUARTZ HEATER - new, excellent for saving energy; two tennis racquets, very reasonable; dehydrator for drying and preserving fruits and vegetables. Call 282-4886.

SKI BOOTS - ladies size 6, $20. John, Ext. 4312

PRESSURE COOKER-CANNER - new, 16 qt., $40; 9 doz. qt. jars, $3 doz.; 29 packages Ball jar rubbers, 50¢ pkg. 878-6637.

WASHER - Whirlpool, $85; dryer, Maytag, $30; sofa, $20; bookcase, $20; chairs, end tables, misc. furniture. 928-4218

RECORDER - Panasonic portable cassette recorder, model RQ4095, built in mike and handle, excel. cond., $30. 3876/4822.

HAMS - Health C.W. transceiver HW16, with V.F.O., ant., tuner, SWR meter, coax switch, $200 complete. 589-2648.

SINGER SEWING MACHINE - and cabinet, old model, $45. Call Joe, Ext. 2760 or 399-2078.

TENT - 10x12, $50 or best offer. 751-8158.

POOL HEATER - wood fired steel pipe construction, good cond., $30. Victor, Ext. 2395.

COFFEE TABLE - walnut with glass top, 36" sq., perfect condition. Ext. 3565, 924-8594.

ANTENNAS - Radio Shack TV 185, new, $50; Wilson triband ham antenna, $50. 744-9677.

AIR CONDITIONER - 10,000 BTU, Westinghouse, good cond., $200. 3084.

7 PC COLONIAL BEDROOM SET - with cedar hope chest and lamps. 399-5316.

DEEP WELL PUMP - Stay Rite, 1 hp with glass linet tank, $100. Call 924-3476 after 5 p.m.

AIR CONDITIONERS - G.E., 6,000 BTU, hi efficiency, 115v-7.5 amp, very good cond., $110; GE 7,300 BTU, 115 v-12 amp., good cond., $100. Ext. 4782.

CASEMENT WINDOWS - heavy duty, aluminum, screens, storms incl., various sizes, $20 each. Niels, Ext. 4124.

DINING ROOM HUTCH - 36", modern, $100; BMX bike, 20", $65; slimline radiator, 48", $25; pine hand hewn ceiling beams, 8'9", 2 full, 2 half, $15. Ron, 7696 or 289-1003.

BREEDING PARAKEETS - with or without cages and breeding boxes, reasonable. 265-1072 5 to 7 p.m.

ELECTRIC WOK - West Bend with Silverstone surface, like new, $15. Bruce, Ext. 4022 or Ext. 4088.

ANTIQUE PIANO - miniature 56 key; small formica table with two chairs, $35; bathroom vanity, $35. 298-4398.

8 FOOT POOL TABLE - $50; Bassett triple dresser with glass top, $150. Ray, 666-0587.

GARDEN WISHING WELL - double bed, $100 each. Jerry, Ext. 4437 or 286-2680.

SEARS COAL OR WOOD STOVE - used one season, triple wall pipe included, $250. Call Ext. 3457.

GIRL'S SCHOOL/WINTER CLOTHES - Weather Tamerfake fur winter jacket ($25); sizes 10-12, all like new. 473-6546.

MIGHTY MAC WINTER JACKET - boy's, size 7, excel. cond., $25. 473-6546.

PORTACRIB - reasonable cond., $20. Ext. 3705 or 862-7998.

BLUE FLAGSTONE - 18-24", $1 each. Ext. 2881 or 286-3372.

ELECTRIC STOVE TOP - wall oven & range hood, good cond., $75. 286-0336 after 5 p.m.

SOFA, CHAIR OTTOMAN - blue print, (2) end tables, (1) cocktail table, absolutely new cond., $600 firm. 286-0336.

DINING ROOM SET & HUTCH - contemp., 6 chairs, excel., must sell, $500. 758-6879 after 5 p.m.

TRICYCLES - (2), $5 & $4. 281-7844.

WARM MORNING COAL STOVE - used 1 season, cost $400, sell for $175. 821-1525.

WINTER JACKET - female, size 12, tan, $15. Lucy 698-0576.

PING PONG TABLE - $80, fan, $15, toaster, $10, 50' hose + jet, $5, 100' aerial cable, $5, all almost new; girl's 3 spd. bicycle, $35, Schwinn bike, $8. Angela, Ext. 4890.

BMX MONGOOSE BIKE - good cond., $85 firm. Call P.J., 744-1760.

BACK PACK HELIARC FRAME - never used, $38; rocking chair, needs regluing, pieces in great shape, $25. 878-0717.

1956 BRITANNICA JUNIOR - with misc. yearbooks through 1971, H.O. Railroad, $400, will sell parts separately. Ext. 2673 or 744-8632 after 6 p.m.

MATTRESS - queen size, w/box spring & frame, Simmons Backrest super firm, good cond., $90. 475-3431.

PANASONIC PORTABLE 8 TRACK STEREO PLAYER - (hand carry); qt. canning jars, glass tops. Ext. 2950.

16 FT. FREEZER - upright Amana, excel. cond., $300. George, Ext. 3397, 666-4133.

GIRL'S BIKE - hi-rise, banana seat, purple, $20. Ext. 3130.

BRICKS - $10 ea. Call 744-9677.

ATARI 400 COMPUTER - excel. cond., $100 without cassette recorder. Don, Ext. 2384.

COLOR TV - Sanyo 19", used six months, with valid warranty, like new, $250. Ext. 3011.

CALCULATORS - credit card size, Enterprex, complete with case and directions, new, $8 each. Pete, Ext. 3516, 399-2813.

BATHROOM FAUCET - Delex 4" centerjet, never used, cost $40, sell $20. Sal, Ext. 2460.

WEDDING DRESSES - new, veils, size 8-12, $50 to $70. Call 265-1072, 5 to 7 p.m.

COLOR TV - Sanyo 25", 6-mo. old, 6 more mo. on warrantee, $375. 473-2853.

KITCHEN SET - round formica table, 4 chairs, 1 leaf, excel. cond., $75. 288-2997.

BIKE - man's Schwinn with basket, $12; toaster, $2; steam iron, $2; baby's car seat, $8. Ext. 7179, 3032.

PUPPY - English springer spaniel, blk & wt., male, pure breed, incl. papers, cute, $200. 929-3248 eves.

HUNTING BOW - Browning Wasp, 45 lb., $35; also PSE Profiency Wheeler, 50 lb. with case sights, etc. 281-2731.

20" GIRL'S BIKE - 3 spd, excel. cond., $40. 473-9223.

YOUTH BEDS - 2 ea., good cond., with springs, $25 ea. 473-9223.

WETSUIT - small, tops and bottoms, good cond., $100, negotiable. Robert, Ext. 4960.

TELEPHONE ANSWERING MACHINE - $20; Faberware food processor, 4 blades, blade caddy, cover, $30; aquarium stand, $15. 878-0717.

Free

NEWSPAPERS - 6 ft bundled stack, pickup in Yaphank. Ext. 4761, eves. 924-3556.

PUPPIES - Samoyed mix, six weeks old, four males, three females. Joe, Ext. 7519; home, 732-8303.

SIAMESE CAT - female, purebred, 4 yrs. old, affectionate, low-keyed, lovely disposition. Ext. 5373 or 286-0999.

CAT - male, 1 yr., gray tiger, clean, very gentle, will neuter, 924-5192.

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

SAYVILLE - cedar and brick ranch, 7 rm, eik d/r, 2 full baths, full basement, garage, central a/c, across from golf course, excel cond., can be made mother & daughter apt. $69,000. 589-2681.

SOUTH SHIRLEY - 3 bedroom ranch, 1-1/2 baths, garage and basement, landscaped and fenced, all appliances included. $46,000. 399-5316.

WADING RIVER - 15 min. from Lab, 4 bdrms, 2 baths, 2-1/2 car garage, 90x200 lot, deeded beach rights, walk to Sound or Wildwood State Park. 286-2840, days; 734-7450 nights.

STONY BROOK - 5 bdrm, 3 baths, farm ranch, luxurious 3,000 sq. ft. on landscaped 1/2 acre, walk to SUNY, central air, w/w, s/s. $128,500. 751-2030.

For Rent

CORAM - 2 bdrm condo furnished, cent. a/c, club priv. incl., golf, tennis, swim. pools, September rental only. $700 & util. Ext. 7788.

SHIRLEY - 2 bdrm, living room eat-in kitchen, approx. 2 mi. from Lab. $400 mo. + elec., basement apt. Frances, Ext. 2901, 281-6283 eves, weekends.

STONY BROOK - 3 bdrm Colonial furnished house, during Nov./Dec. '83. Call Jag, Ext. 5080 or 751-1884.

LAKE PANAMOKA - cabin in woods, near beach, bdrm, kitchen, 2 lrs, dining, bathroom, sleeping loft, deck, mint cond., insulated, all gas, $450 mo. Tenant pays util. For information, call Mary Lou, 821-9840. September.

SHIRLEY - own lr, bdrm, share kit & bath, single female. Call 399-1129 after 6 p.m.

BROOKHAVEN - 1 bdrm apt., private ent., heat, utilities incl., $400/mo., extra facilities negotiable. 286-1046 before 8/23 after 8/28.

Car Pools

BELLPORT - need individual to complete 4 person car pool, 8:30-5:00. George, Ext. 7654.

RONKONKOMA - driver to join 3 person pool near LIE 59, 8:30-5:00. Victor, Ext. 2395.

BABYLON/WEST ISLIP - one or two drivers needed for 4-person car pool. Ext. 2500.

STONY BROOK VILLAGE - two persons seek two additions. Call Ed, Ext. 2007 or Les, Ext. 5180.

ROCKY POINT TIDES AREA - will start new car pool or joint existing. No smoking preferred. Ron, Ext. 3238.

HUNTINGTON STATION/MELVILLE - one person needed for three person car pool. Meyer, Ext. 3036.

Lost and Found

LOST - pair of motorcycle riding gloves, tan w/velcro straps. Bob, Ext. 3354 or 744-3284.

Wanted

MUSIC STAND - floor style & adjustable, reasonable & in good cond. for accordianist. Call eves 473-4948.

SHIFTER - 3 speed Hurst competition plus. Call Artie, Ext. 2697 or 2674.

HOUSE OR APARTMENT TO RENT - Bellport-Brookhaven area, two children. Call Ext. 3388 after August 23.

TRAINS - Lionel American Flyer, accessories, any condition, brings good price. Carole, Ext. 3362, 924-4097 eves.

ROOMATE - female, share 2 bdrm house in Bellport, 15 mins from Lab. 286-3865 after 2 p.m.

ROOMMATE - share large 4 bdrm house 5 min. from Lab, $200/mo. Jack, 924-3669.

TO RENT - retired couple needs place during September for about a mo. (dates flexible). Ext. 4192

OLD BICYCLE PARTS - to practice working on and experiment with. Ext. 4030, 878-2484.

CAP FOR PICK-UP TRUCK - 8 ft., step-side, Dodge, any cond. Bob, Ext. 3145.

HOUSE SITTER - Sept. 19 to Oct. 11, need references. Ext. 4077.

GOLD WASHING MACHINE - in good cond. 298-4398.

JEEP - CJ-3, 1945-51 to be restored, parts, manuals, information as to surplus military vehicles. Tony, Ext. 3198.

CAR ROOF LUGGAGE HOLDER - Liz, Ext. 2082, 286-8563.

HOUSE TO RENT - furnished, 2-3 bdrms, 3 mo. (Sept.-Nov.) to visiting professor SUNY. Ext. 3854 or 4878.

BABYSITTER - experienced, responsible, for 5-yr.-old, 2-3 days/wk. (some flexibility), references, Farmingville area. Laura, Ext. 2625.

1-2 BEDROOM HOUSE - Brookhaven area, up to $500 with utilities, couple with pets. Debbie, 924-6076.

TO RENT - 1 or 2 bdrm house or apartment in Middle Island, reasonable. 736-3098.

AUTO TAPE DECK - 8 track, am/fm stereo, working, reasonable. Ext. 3327.

HOUSE TO RENT - 2 bdrm, for Sept. 1 or earlier, 2 adults, 1 child. 732-6908.

Ads for Services may be posted at the BERA Sales office.

Classified Ad Policy

Deadline is 4:30 p.m. Friday for publication Friday of the following week.

1. The Brookhaven Bulletin's classified section may be used only by active and retired Laboratory employees.
2. All items for sale or rent must be the advertiser's property.
3. Ads for material acquired for resale in association with a full or part-time business cannot be accepted.
4. Ads for the sale or trade of firearms will not be accepted.
5. Ads not carried because of space restrictions will be held for publication in the next issue.
6. Ads are run only once and must be resubmitted if they are to be repeated. One ad per person per week.
7. **Property for sale or rent cannot be accepted on this form. Special Real Estate Ad Forms are available at the office of the Brookhaven Bulletin, Building 134.**

☐ For Sale: Autos & Auto Supplies
☐ For Sale: Boats & Marine Supplies
☐ For Sale: Miscellaneous
☐ Car Pools
☐ Wanted
☐ Free
☐ Lost & Found

Please print your ad below in 15 words or less using one word per block. Include name and phone number to call.

Note: The following must be completed for your ad to appear.

NAME (Please Print) .....

Employee's Signature ..... Life No. ..... Ext. .....

Send to: Brookhaven Bulletin, Building 134 (Ext. 2345).

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