BROOKHAVEN BULLETIN

Vol. 35 - No. 7 February 20, 1981

BROOKHAVEN NATIONAL LABORATORY

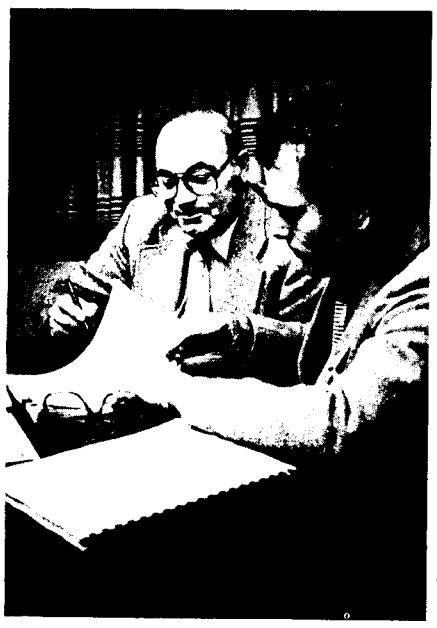
Minority Firm Wins Contract

A $1 million contract has been awarded to Mundo Developers, Ltd., a minority-owned firm in Great Neck, N.Y., by DOE's Brookhaven Area Office, to install sprinkler systems in three buildings at the Laboratory.

The contract is one of the largest awards made by DOE under the Small Business Administration's "8A Program" to encourage minority-owned and disadvantaged businesses to compete for federal contracts.

The sprinkler systems and other fire detection improvements will upgrade the Brookhaven buildings to current DOE safety standards. Automatic sprinklers will be installed in Biology, the Environmental Research Center and the basement of the Medical Research Center. Fire protection and alarm systems will also be installed in on-site housing units.

Construction is scheduled for completion by the end of 1981.



Doug Humphrey

David Schweller, Manager of DOE's Brookhaven Area Office, at contract signing with Thomas Cuevas, president of Mundo Developers, Ltd.

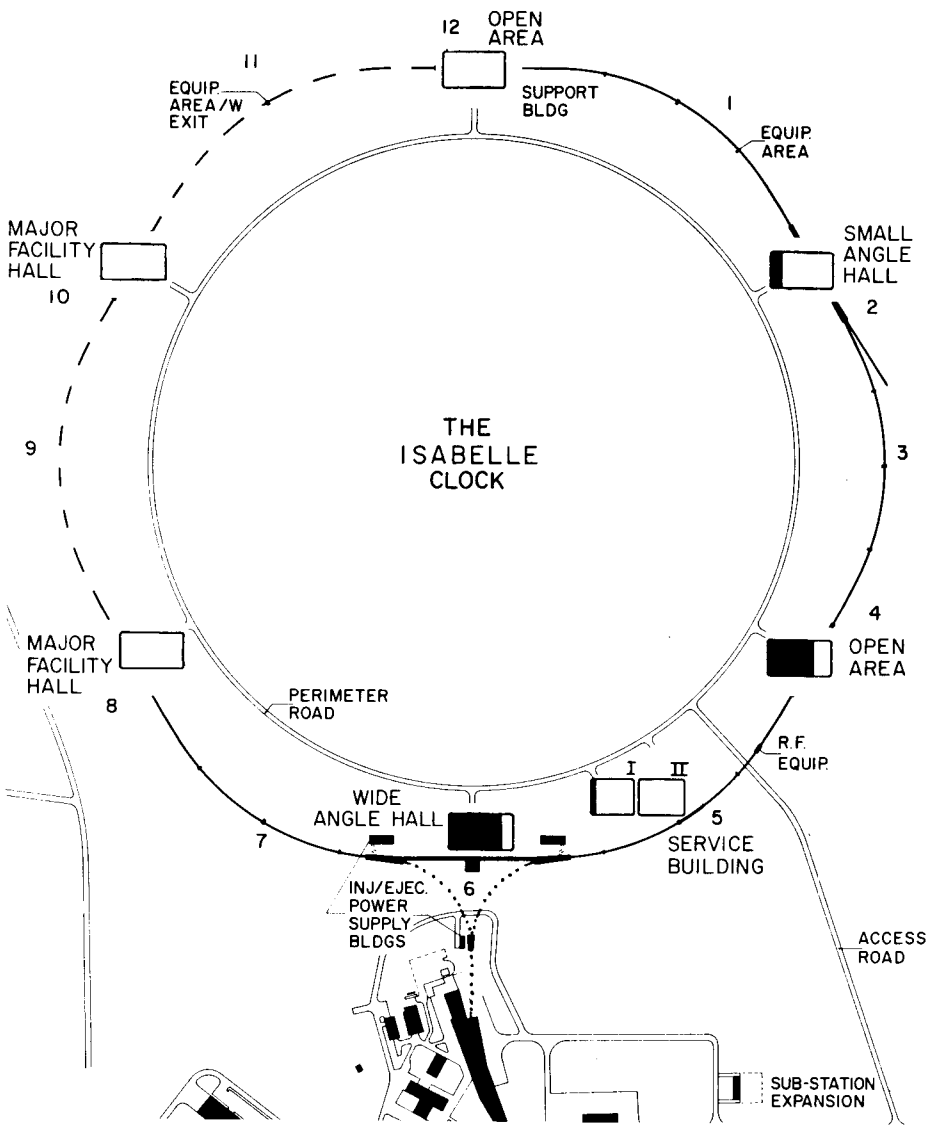
New No. - Old Rate

Although the exchange will change when BNL's new computerized telephone system goes into effect on April 6, there will be no change in the rate which will be charged for calls made either to or from the new 282 exchange.

The change in exchange, from 345 to 282, is necessitated by the fact that BNL phones will physically tie in to the Bell System in Patchogue instead of in Yaphank. However, for billing purposes the new 282 exchange will be interchangeable with existing 345 and 924 exchanges.

Delete Form SF-46

Drivers of Government vehicles are alerted to the fact that a U.S. Government Motor Vehicle Operators Identification Card (SF 46) is no longer required. Effective February 15, a valid State driver's licence, appropriate for the vehicle being operated, is all that is necessary. But the emphasis is on "appropriate" — for instance, you don't drive a tractor-trailer with a class 5 license. Information pertaining to the use of Government vehicles both on and off site can be found in the recently revised section 5-05 of the Standard Practice Instruction (SPI).



ISABELLE site layout is analogous to a clock, with the 12 o'clock position facing almost due north. The experimental areas are situated at even-numbered clock locations. The magnet enclosure is divided into six odd-numbered sextants, corresponding to the odd numbers on a clock. As shown above by the amount of shading in the boxes representing the buildings, the facilities at 2, 4, and 6 o'clock are 22%, 71% and 86% completed, respectively. Now, the 8 o'clock contract has been awarded and work on the 10 and 12 o'clock areas is scheduled to start in the next fiscal year. Tunnel construction is shown by lines: ———, complete; – – – –, 85% complete; . . . . . 3% complete.

Around The Clock With ISABELLE

The Ammann & Whitney Inc./Safeguard Construction Corporation recently awarded two contracts totaling more than 7.5 million dollars to two firms for work on separate aspects of ISABELLE construction.

A $2,952,000 contract to build the Major Facility Hall at the 8 o'clock position on the ISABELLE "clock" was awarded to Lasker-Goldman, which is also working on Phase I of the ISABELLE Service Building, and is in the latter stages of work on the Wide Angle Hall.

The 8 o'clock facility will take approximately a year and a half to complete. Plans call for the construction of contiguous buildings separated by a wall of portable concrete shield blocks averaging about seven feet thick. When the shield wall is removed, a 40-ton capacity overhead crane will be able to travel between the buildings to transport experimental equipment between the assembly building and the research hall. The assembly building is a conventional structure, 61 feet long by 60 feet wide and 47 feet high. The research hall is the same size except 3 feet narrower. To either side of this hall, smaller side halls approximately 53 feet long, 30 feet wide and 22 feet high will be constructed to complete the experimental area. With these dimensions, it will be suitable for large experimental detector systems.

In December 1980, the J.F. O'Healy Construction Corporation of Bayport, L.I. was awarded a $3,639,000 contract for the Injection/Ejection Beam Tunnel. This, the second largest single contract awarded to date, is a "significant step in the progress of the project," said Paul Mohn of ISABELLE Construction Division, "because it physically ties the ISABELLE project into the AGS." The beam tunnel will be under construction for another year. J.F. O'Healy is presently completing its work on two other ISABELLE contracts, for the 2 o'clock and 4 o'clock facilities.

Overall, ISABELLE construction is on schedule and within budget. The feelings of everyone involved were summed up by Parke Rohrer, Head of ISABELLE Construction Division, who said, "I am very satisfied. Although the harsh weather caused some delays this winter, things look very good in our overall schedule."

Art Show Lecture

Susan Chrien will talk on Graphic Processes on Thursday, February 26 at 1 p.m. in Berkner Hall. A member of the BERA Art Committee, she holds a MFA degree from Cleveland Institute and Western Reserve University and teaches painting and drawing for the Town of Brookhaven.

The lecture is scheduled in conjunction with the current BERA art show featuring the work of artists from the Graphic Eye, a cooperative gallery for printmakers in Port Washington. The show will run through February 27, on weekdays, in Berkner Hall, from 11:30 a.m. to 1:30 p.m.

Rau To Head Magnet Program

R. Ronald Rau will head the ISABELLE Magnet Division, effective February 23. As announced this week by ISABELLE Technical Director, Kjell Johnson, Rau will be responsible for the research, development and subsequent production of all superconducting magnets for the project.

Rau, who will head a staff of 200, says "it is my contention that the magnet program is the biggest challenge the Laboratory has ever faced. It will require the best of every scientist, engineer and technician in the Magnet Division." He maintains further that "it is essential that within a reasonable time, less than a year, we reach the point where the cosine theta magnet shows promise for use in ISABELLE."

He credits Ed Bleser, former head of the division, with the fact that "the magnet program is on the right track and improving, in spite of the setbacks it has suffered over the past two years. Bleser will remain a prime member of the scientific team working on the magnets," Rau said.

After serving as Associate Director for the last ten years, Rau is no stranger to administration, but he notes that, in his new job, he will be more closely involved with the staff, and will be directly in touch with the technical details of the program.

Rau joined the Physics Department in 1956, and his early career at BNL was devoted to the development and construction of hydrogen bubble chambers and their use in high energy particle physics experiments at the Cosmotron and the AGS. He was appointed deputy chairman of the department in 1964, and chairman in 1966. He became Associate Director for High Energy Physics in 1970 and also served as chairman of the High Energy Advisory Committee. During these years, Rau was a leading proponent of the ISABELLE project.

Mort Rosen

R. Ronald Rau

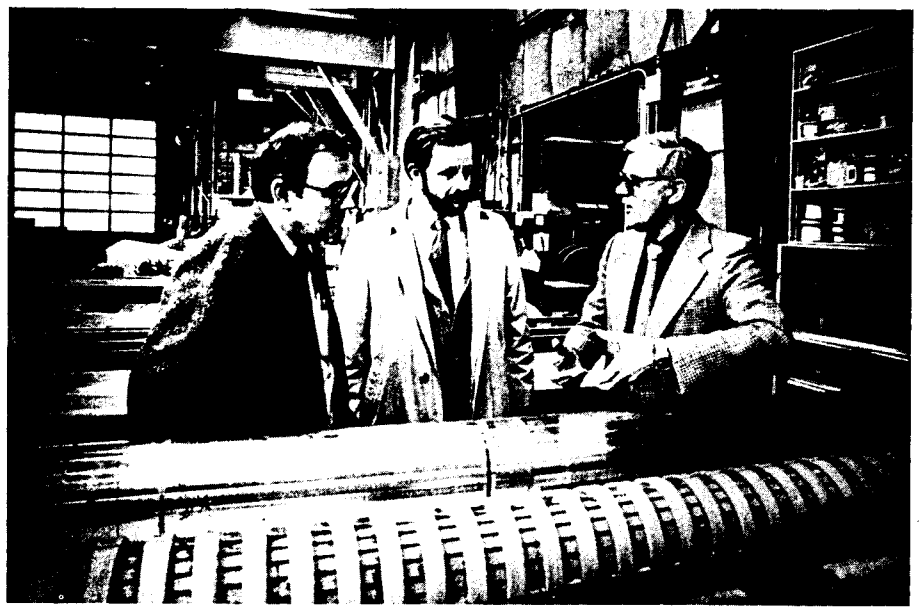
Selected Reading

Scientific American 244 (2) February, 1981
Pterousaurs by Wann Langston, Jr., 122-136.

Science News 119 (2) January 10, 1981
Energy: Food vs. fuel? 21.

Nature 288 (5790) December 4, 1980
High-energy physics: Machines shut down Robert Walgate, 428.

Visitor at BNL



Doug Humphrey

David Shirley, (center) Director of Lawrence Berkeley Laboratory, spent a day at Brookhaven last Friday. During his visit, he talked with administration officials and stopped in at the Chemistry Department, the National Synchrotron Light Source and ISABELLE. At the ISABELLE coil assembly area, he was escorted by James Sanford (left) and Kjell Johnsen.

Equipment Demonstration

The Schoeffel Instrument Division of KRATOS, INC. will give an exhibit of scientific instrumentation on Monday, February 23 from 10 a.m.-3 p.m. in Berkner Hall, Room A. Featured will be instrumentation and systems for liquid chromatography (HPLC), the KRATOS Laboratory Interactive Controller (KLIC), as well as the complete line of pumps, controllers and detectors.

U. C. Has Opening

The University of California is currently recruiting for a Special Assistant to the President - Laboratory Affairs. This person will assist the president and vice president in fulfilling their responsibility for the four DOE laboratories managed by the University of California. In addition, the incumbent will assist the Regents' Committee on Oversight of the DOE Laboratories, and two evaluation committees (Scientific and Academic Advisory, and Committee on Health, Safety, and Environment).

Applicants must have substantial experience with scientific and technical research, and the ability to write well and speak effectively. They will be required to acquire, analyze, and digest large quantities of information and make the information useful in decision-making processes.

Applications and nominations should be sent by March 15, 1981, to Ms. Edna Coleman, Employment Officer, 41-LA University Hall, University of California, Berkeley, Ca. 94720.

Power Monitoring

Sitting in front of the TV on a long winter's night, being warmed by the glow of a quartz electric heater, a question may come to mind: How fast is my electric bill growing? The answer can be found fairly easily, using the power company meter (located on the side of the house or in the basement) and a watch with a second hand.

A number, designated Kh, appears on the face of the meter. This number will vary from meter to meter. Using this number and a timing of the revolutions of the meter disc, the power level can be calculated from the equation

Power in kilowatts=
(3.6×revolutions×Kh)/seconds

where 3.6 is a time factor and Kh is the time taken to complete the revolutions.

For example, if the Kh factor is 7.2 and the meter makes 5 revolutions in 75 seconds,

Power=(3.6×5×7.2)/75=1.728 kW

At LILCO's December rate of approximately 10¢ per kWh, this amount of power would cost 17¢ for each hour of operation.

The power use of a single appliance can be checked by turning off all other electric loads. Be sure to unplug the instant-on TV, but don't bother with electric clocks. After making sure that the meter disc is stopped, turn on the appliance to be checked, time the disc revolutions, and calculate the power.

Q. & A. On Credit Unions

Approximately 400 people attended the information meetings held on February 4 regarding credit unions. Representatives of the Teachers Federal Credit Union were on hand to provide the presentation and answer questions from BNL employees. Here are some of the questions raised and the answers given. This information may be helpful to you in responding to the survey form being distributed to all BNL employees on Monday, February 23.

Q. How many branches does Teachers Federal Credit Union have and where are they located?

A. We have five branches with a sixth under construction in Farmingville. They are located in Bay Shore, Elwood, Farmingville, Great River and Stony Brook.

Q. Do you have checking accounts?

A. Yes, we call it "Share Drafts" which is the equivalent of a checking account. There is no minimum balance requirement, no monthly service charge, and an interest rate of 5¾% is paid on balances from day of deposit to day of withdrawal.

Q. What is the interest rate on savings accounts?

A. A 6% dividend rate which results in an annual yield of 6.14%. In addition free life insurance up to $4,000 on savings accounts is provided.

Q. If there is a positive response to the survey, and Teachers Federal Credit Union is successful in acquiring a charter amendment to cover BNL employees, will it mean that there will be an "on-site" branch?

A. No. At this time the consideration is that BNL employees would have access to our various branches. One could handle all banking needs through a payroll deduction and the mail.

Q. How do your loan rates compare to the rates available at the Barclays on-site bank?

A. Our rates are substantially lower, here are some comparisons:

Type of Loan	Teachers Federal Credit Union	Barclays Bank (With an account)
New Car Loans	12 ¾%	16 ¾%
Used Car Loans	12 ¾%	18 ¼%
Personal Loans	14%	18 ¼%
Home Improvement	14%	16 ¾%

In addition, VISA and Master Charge loan rates are 15% with no membership charge. Teachers loans also provide life insurance for the amount of the loan at no additional cost.

Q. Is there an advantage to joining an established credit union as opposed to starting our own?

A. We feel that joining an established credit union offers a considerable number of advantages, including the amount of resources initially available. Teachers has assets of $68 million dollars, 42,000 members, and a professional staff. Generally, for the first year of operations, no interest is paid to depositors in a newly formed credit union.

CREF Values

September	$44.60	October	$41.18
November	42.56	December	43.19
January	45.37	February	44.59
March	40.33	April	41.82
May	43.70	June	44.81
July	47.84	August	48.04
September	48.75	October	49.13
November	53.19	December	51.77

January $50.20

Arrivals & Departures

Arrivals

John E. Foley ..... Custodian

Departures

John M. Hattayer ..... Energy & Env.
William S. Rogers ..... Energy & Env.
Larry E. Ruff ..... Energy & Env.
Suresh K. Shenoy ..... Nuclear Energy

One Mind Needs You

The members of One Mind, professional women employed at BNL, are looking for volunteers to help with their Women in Science Day, scheduled for May 9.

The purpose of One Mind is to encourage women to enter non-traditional fields, generally through presentations to high school groups, at college career days, and at panels and seminars on careers for women. To give more young women the opportunity to explore different careers and to meet women who are active in them, Women in Science Day is being held on site. While the day's program is for high school students, the general public will be welcome.

Assistance is needed in many areas. The Laboratory's women are invited to make presentations about their careers, give demonstrations of their work in science, or speak to students on a one-to-one basis. One Mind is also assembling films and photos of women at work.

Anyone with time, talent, visuals or ideas to contribute is urged to contact Victoria McLane, Bldg. 197D, Ext. 2902.

I.B.E.W.

Local 2230, I.B.E.W. will hold its regular monthly meeting on February 26, 1981, at 8 p.m. in the Knights of Columbus Hall, Railroad Ave., 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.

"I must do something" will always solve more problems than "Something must be done."

Local Business Leaders Learn About NSLS

Doug Humphrey

The National Synchrotron Light Source was the subject of a talk delivered by NSLS Scientific Program Head Martin Blume (right) at a recent breakfast meeting of the Long Island Mid-Suffolk Businessmen's Association. Held at MacArthur Airport, the meeting was moderated by Paul Townsend (left) of the Long Island Business Weekly.

Among the aspects of the NSLS which Blume discussed were the broad extent to which outside participation is expected, especially by industry, and the possibility of its applications leading to local technological development.

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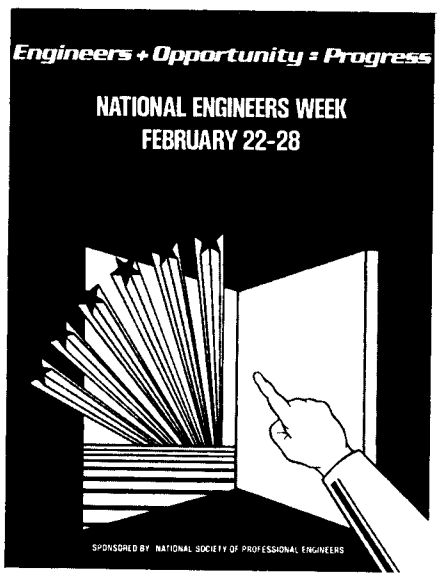
CARL R. THIEN, Public Relations Officer

Camera Club

The Camera Club has announced its programs for this year. These include classes in basic photography and darkroom procedures for beginners, intermediates and advanced amateurs. Programs are also planned dealing with color printing, kodalith and portrait lighting. Other subjects may be added as requested by the membership. In addition, club members have the use of the club's fully-equipped darkrooms.

For further information about the Camera Club, contact president Lewis Jacobson, Ext. 2462/2636; vice-president Said Mughabghab, Ext. 2902; or secretary-treasurer Ripp Bowman, Ext. 4672.



Volleyball

Results of the Open League Tournament, 2/11/81

First place - the Moles with 6 wins, 1 loss, total of 12 points. Second place - the Schpikensetzenbumpenblockenspeilers with 5 wins, 2 losses, total of 10 points. Third place - the Spikers with 5 wins, 2 losses, total 10 points. Fourth place - Toga with 4 wins, 3 losses, total 8 points. Fifth place - Raiders with 3 wins, 3 losses, 1 tie, total 7 points. Sixth place - OTHG with 3 wins, 4 losses, total 6 points. Seventh place - Brewmasters, 1 win, 6 losses, total 2 points. Eighth place - Monday Terrors, 0 wins, 6 losses, 1 tie, total 1 point.

NYC Train Trip

The Hospitality Committee is planning a group railroad trip to the city on Wednesday, March 4. Departure will be at 7:55 a.m. from the Patchogue LIRR station. Round-trip fare for adults is $3.25, children under six years ride free.

Reserve a ticket by sending your fare through the U.S. mail to P.O. Box 322, Upton, New York 11973, no later than *Thursday*, February 26. Make checks payable to "Brookhaven National Laboratory." Tickets will be distributed on the train. Refunds will be made only if cancellations are received by the *Friday* preceding the scheduled trip.

Bowling

Green League

The Light Source took 4 from the Old Timers. The Old Timers II battled the Sparks for 8 and the Blue Jays managed 4 against the Designers with J. Scandizzo rolling a 202. The Pinball Wizards lost 8 to the 76'ers and the Trouble Shooters took 7 from the Strangers. The Phoubars could only manage 4 from the Sandbaggers.

Pink League

Denise Miesell's 193 game helped the Forty Fingers to demolish the Lickety Splits by 129 pins. Deb Johnson (192), Fran Nusz (156) and Millie Connelly (167) ganged up on the Book-Ends to win a game by 150 pins. Good games were bowled by Renie Rosati 170, Karen Alberico 162, Audrey Blake 161 and Ellie Kristiansen 151. Fran Briening converted the 5-7-10.

Red League

This Isa Team shut out the Freon Loaders 11-0 with E. Sperry IV rolling 203/215 for a 607/682 series. M. Iarocci (213) grossed 641 and J. Sauls 605. The 76'ers won 8-3 over the Pinball Wizards. J. Morris (202) grossed 643, T. Holmquist 613 and R. Larsen rolled a 204. The Designers won 7-4 in a match with the Blue Jays. The Old Timers took 7 from the Light Source. R. Smol bowled a 208, R. Adams grossed 621 and W. Reams 608. The Sandbaggers took 7 in a match with the Phoubars. C. Bohnenblusch rolled games of 200/200 for a 629 series, R. Jones (201) grossed 621. The Strangers managed 4 from the Trouble Shooters.

Scotch Doubles

Another Scotch Doubles Bowling Tournament is scheduled for Sunday, March 15, at the Port Jeff Bowl. Further information will be given in a future issue of the *Bulletin*.

Nothing increases your golf score like witnesses.

Tact is the art of making a point without making an enemy.

The difference between a career and a job is about twenty or more hours a week.

The easiest way to figure the cost of living is to take your income and add ten percent.

Cooking Exchange

Skål! Scandinavian specialties of fruit soup, cardamon cake and other delights will be demonstrated at the next meeting of the Cooking Exchange which will take place in the Recreation Building on Wednesday, February 25 from 12:30 to 2:30 p.m.

Meetings are open to all persons affiliated with the Laboratory and their family members. There is a $1 charge per adult and babysitting is provided at 25¢ per child.

Contact Sharon Galayda for further information at 821-0644.

Secretarial Science

Women in Secretarial Science invites those interested to attend a meeting which will be held in the Auditorium at Berkner Hall, Wednesday, March 4, from noon to 1 p.m. There will be a half hour business meeting, after which Janet Whitehead will speak.

Cafeteria Menu

Week Ending Feb. 27, 1981

Monday, February 23		
Cream of tomato soup	(cup)	.55
	(bowl)	.65
Salisbury steak & 1 veg.		1.60
Apple pancakes & sausage		1.50
Hot Deli — Roasted turkey breast	(on bread)	1.65
	(on roll)	1.75
Tuesday, Feburary 24		
Philadelphia pepper pot soup	(cup)	.55
	(bowl)	.65
Barbequed ribs & baked beans		1.65
Broiled fillet of fish & 1 veg.		1.55
Hot Deli — Roast beef	(on bread)	1.65
	(on roll)	1.75
Wednesday, February 25		
Beef noodle soup	(cup)	.55
	(bowl)	.65
Irish stew with noodles		1.60
Roasted pork loin & 1 veg.		1.65
Saga salad bar special	(tax incld.)	1.75
Hot Deli — Reuben		1.60
Thursday, February 26		
Pork & cabbage soup	(cup)	.55
	(bowl)	.65
Roasted chicken with stuffing		1.55
Beef & fried rice w/1 veg.		1.55
Hot Deli — Italian meatball hero		1.70
Friday, February 27		
Manhattan clam chowder	(cup)	.60
	(bowl)	.70
Shells w/white clam sauce & garlic bread		1.50
Breaded pork chop w/apple sauce & 1 veg.		1.65
Hot Deli — Fried fillet hero		1.65

Let's Dance

When was the last time you kicked your shoes off and *really* danced - danced until your sides hurt or you had to step outside for a breath of spring air?

No matter when the last time was, it's not too soon to "Think Spring" and do it again - at BERA's Special Event on Friday, February 27.

Charlie Zein and the Newports will start the music at 8 p.m. in Berkner Hall - *if* at least 250 tickets have been sold by this afternoon. Advance sales are necessary so BERA can plan the event - so necessary that if this minimum isn't met today, the event will have to be cancelled!

Your $3 ticket, which is good for dancing, snacks and a show, can be purchased at lunchtime today in Berkner Hall or throughout the day from your BERA building representative.

Uncanny? Not really.

Alex Reben

Who would sink a soda can into concrete? BNL masons do it all the time. Soda cans are the same diameter as rail posts, so they are used to pre-form post holes when concrete is poured for walks and ramps. Bud Hulse, Masonry Supervisor in the Plant Engineering Division, says they have been using this technique for as long as cans have been made. It eliminates drilling holes in the concrete after it's set.

Answers to Quiz

1. B; 2. F; 3. C; 4. D; 5. E; 6. G; 7. A.

Focus on Black History - Part III

Test your knowledge of black history by completing this quiz and checking your answers against those on page 3.

1. Vernon Jordan
2. Coretta Scott King
3. Louise Q. Lawson
4. Sugar Ray Leonard
5. Walter Massey
6. NAACP
7. National Urban League

A. This national organization is concerned with the employment, housing and education of black migrants from the rural South and was founded in 1910.
B. President of the National Urban League, he was critically injured in an assasination attempt last year.
C. She serves as vice-president of Operation PUSH.
D. This WBC Welterweight Boxing Champion boasts a 28-1 record.
E. He has been the director of Argonne National Laboratory since 1979.
F. She is president of the Martin Luther King, Jr. Center for Social Change.
G. This non-profit, biracial, civil rights organization was founded February 12, 1909.

Call For BNL Artwork

The 8th BERA Members' Art Exhibit opens on Tuesday, March 17 at 5:00 to 7:00 p.m. in Berkner Hall. All BERA members including employees, immediate family 16 years of age and over, and retired employees are invited to contribute their work to the exhibit. Two categories, pictures and sculpture, will be displayed in the exhibit which runs during March 17 to March 27. Contributions done in water color or oils, drawings and graphics will be accepted under the picture category. No crafts may be submitted for this exhibit. A craft show is planned for 1982. The Committee can accept only two works from each contributor. All works must be suitably framed and ready for hanging; otherwise they will not be accepted.

In order that a printed catalogue can be ready for the opening, the Art Committee requests that you complete two forms for each work you intend to exhibit, and return them to the BERA Sales and Services store in Berkner Hall no later than March 2. Additional forms may be picked up at the BERA Sales and Services office, should you need them. Works should be delivered to Room B, Berkner Hall, March 16 between 8:30 a.m. and 12:30 p.m., and picked up there between 1:30 and 5:00 p.m. on March 27. The Committee will not be responsible for works left after that time.

Return To BERA Sales and Services Office - Berkner Hall

Name of Artist..... Phone: .....

Title of Art Object .....

Medium .....

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 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 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, 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: Opportunities for present Laboratory employees.

1574. LABORATORY CUSTODIAN - Plant Engineering Division.

1575. S&M CLERK (two positions) - Supply and Materiel Division.

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

1576. ASSISTANT LIBRARIAN - Requires Masters degree in Library Science. A knowledge of computer search and cataloging as well as some background in engineering or science is desirable. Will develop, organize, and maintain a technical library service for the Energy Technology Program area. Re-posting of job No. 1398. Department of Energy and Environment.

Auto & Auto Supplies

69 ECONOLINE - "Open Road" type camper, gas stove and heat, sink, ice box, fold down bed, many new mechanical parts. $1,300. 281-0360.

72 FORD - sta wgn, p/s, p/b, excel mechanically but some body dents. Arnie, Ext. 2606.

75 HONDA - Civic CVCC, hatchback, 72,000 mi, very good cond. Joe, 744-4086 after 6 p.m.

75 PLYMOUTH DUSTER - one owner, 70,000 mi, fm/CB radio, a/t, p/s, very good cond, blue. $1,950. Joe Disparti, Ext. 3284.

79 BRONCO - customized 351, 4 spd, carpeted, 1200-15/radials, posi-trac, 40 Watt stereo, dual exhaust, reg gas, sunroof, plus more. Must see. Russ, 878-8588.

73 HONDA CB750K - 16" rim, new seat, exhaust, quartz lite, and Continentals. Must sell. $1,050. 475-2090 eves.

70 NOVA - 2 dr, 6 cyl, a/t, p/s, excel cond, new paint, 21 mpg, many new parts. Asking $1,500. Ken, Ext. 7313 or 475-1469.

72 VEGA HATCHBACK - 110 hp, 4 spd, recent brakes, exhaust, tune-up, water pump and battery, uses oil, rot spot, 44,000 mi. $300. Joe, Ext. 4254 or 281-7683.

72 OLDS CUTLASS - V8, 8 trk, excel running cond. Ext. 3329 or 878-0480.

72 CHEVY - El Camino, SS, 454 engine, excel cond. $2,200. Glenn, 289-0413.

74 VW "412" - 59,000 orig mi, am/fm stereo cassette. Leroy James, Ext. 4582 or 286-1615.

RIMS - (2) 15" Ford, excel cond w/stem. $8 ea. Pat, Ext. 3376.

72 DODGE DART - 4 dr, p/s, p/b, a/c, r/h, 76,000 mi, 20 mpg, good cond. $750. Ext. 3106.

68 CHEVELLE TRACK CAR - excel cond, 331 Pro motor, Ford top loader trans, motor set back, alum fire walls, 5.38:1-12 bolt read E.T. 11.5 sec. $3,500. Fred, Ext. 4407/35 or 499-1214 after 6 p.m.

WHITE ROLL BARS - for mini pickup, excel cond. $100. 698-3030 after 5 p.m.

51 HUDSON COMMODORE - collectors item, 2nd owner, totally orig, excel cond. $5,800. 281-0360 after 6.

76 HONDA - 360CJ. $600. Kathy, Ext. 4615.

TIRE - new Michelin w/w radial on GM wheel, 225x15. Orig $90, sell for $70. Alyce, Ext. 2902.

DIST CAPS - GM, Am and Chrysler, $3.00; tune-up kits: GM, Am, Ford and Chrysler, $4; spark plug wire set 4, 6, 8 cyl. $5. Bill S., Ext. 4434 or 399-6168.

69 CHRYSLER - Town and Country, sta wgn, 9 pass, 16 mpg on trips, snows on extra rims. $350. R. Dietz, Ext. 3059 or 744-7242.

71 ARISTOCRAT TRAILER - gas/elec refrig, stove/oven, shower, toilet, sleeps 6. $2,100. 732-1913.

59 MERC MONTCLAIR - 2nd owner, all orig, black, rust free, new tires and shocks, runs well. $1,250 or best offer. 291-0360.

79 DODGE - pickup, 4 wd, 4 spd, new cap, stereo CB, headers, oversize tires, many extras. $7,200. Ed, Ext. 4095.

65 PLYMOUTH - Barracuda, V8, a/t, new tires, good mech cond, high mi. $450. Rick, Ext. 4100.

74 HONDA - 450, excel cond, 12,000 mi. Brian, 727-0139.

CAMPER - popup trailer, 1975 Viking, sleeps 6, gas range, gas heater, ice box. Bob, 727-0139 after 6 p.m.

79 CHEVY - pickup, 4 wd, hd susp, low mi, power angle plow, extras, excel. Marcie, Ext. 2491.

TIRE - Firestone, GR-70-15, fair, $12; 1966 Olds am radio, $7. Ron, 281-3149 after 5:30.

74 BMW - Bavaria. 589-3608.

70 CHEVY NOVA - a/t, p/s, a/c, good operating cond and body, orig owner. $500 or best offer. Ext. 3064 or 821-0890 after 6 p.m.

75 VW BUG - custom, am/fm radio, new upholstery, 55,000 mi, good cond, good gas mi. $2,500. Ext. 4622, 929-4840.

64 PLYMOUTH - Valiant, 6 cyl, a/t, 4 dr, runs good, high mi, good for work. $150. Ext. 4100.

78 PICK UP CAMPER - 8', sleeps 4, stove, sink, l/p heater, excel cond, used 10 times, orig owner. $1,500. 475-1469.

Miscellaneous

KEROSENE HEATER - Radiant King RK-110, 5875-8500 BTU's, removable tank, compact size. $160. 581-0468 eves.

BROWNING EXPLORER - compound bow, like new, orig. $175. Asking $125. w/12 arrows; ceramic molds, used but good cond, some like new, approx 600. $500. George, 288-5697.

FIREPLACE INSERT - Leyden Hearth, wood or coal, cost $895. Sell, $750 or best offer. Will demo. Pat, 473-0871.

BINOCULARS - Canon, 7x50, like new. $65. Helen, 588-3779.

KEROSENE HEATER - 9300 BTU, radiant type, 1 gal removable tank. $125. Joe, Ext. 3284.

ICE SKATES - Baur hockey type, men's size 9, like new. Reasonable. Bob, Ext. 4279 or 878-1731.

REFRIGERATOR — Frigidaire, brown side by side, excel cond, 4 yrs old. $400. 369-1062.

DRESSER - 8 drawers, 50"x17"x30"h. $30. 281-7844.

KITCHEN CABINETS - $20 ea; counter top, $25; wall oven, $100; counter top stove, $75. Ext. 7785.

DOWN VEST - blue reversible, X-large, new, worn once. $16. R. Hildenbrand, Ext. 3273.

YAMAHA ELECTRONIC KEYBOARD - Model PS-20, w/rhythm, stops, memory, brand new. Asking $500. 765-1345.

LITTON - Meal-In-One microwave, 1 yr old, excel cond. $300. Ext. 3389 or 751-7096 eves.

ROLLER SKATES - indoor size 8, good cond, $10; brown low shag rug, 18'x10½', good cond, $50; Admiral automatic dehumidifier, 22 pint capacity, excel cond, $50. 732-3350.

HEATER - kerosene infra red, Energy Mart Model No. EM-M221, 9,880 BTU. $175. Lou, Ext. 4615.

INDIANHEAD PENNIES - most dates, 1880-1899, individually, .55¢ UP, rolls - $25 UP. Greg, Ext. 7960.

TV B&W GE, 13", $30; portable bed w/mattress, $20. 345-3177.

GERBILS - FREE, young, healthy. Lois, Ext. 2921 or 929-4753.

HOT POT - 2 to 6 cup, West Bend, brand new. $7. Ext. 3431 or 744-9677.

SKI BOOTS - German made size 7½ ladies, used once. $50. 929-3130 after 6 p.m.

CONSOLE ORGAN - (Seeburg) and Leslie tone, cabinet (Model 147R) concert keyboard, full pedal clavier, excel. $1,300. Ext. 4040.

COLONIAL SOFA - wood frame w/cushions, $75; rocker, wood frame w/cushions, $25; good cond. Ext. 3995.

HI-RISE BED - one mattress, very good. $20. 281-7844.

BICYCLE - boy's Fuji 10 spd, 18" frame, excel cond w/pump. $80. Ron, Ext. 3887 or 286-0353 after 6 p.m.

FIREPLACE ITEMS - glass doors, $25; brass screen (fireplace opening 36"x27"), $10; air cond, old but works, $35; push-type lawnmower, $15. John, Ext. 3292.

TURNTABLE - Dual Model #1019 w/new shure cartridge. As is, $50. Alyce, Ext. 2902.

GOLDEN RETRIEVER PUPPIES - pure bred w/papers, great pets, ready early spring. 757-2178 eves.

SKI BOOTS - "Hanson" men's size 10½-11, used twice. $65. Ext. 3256 or 286-0336.

ELECTRIC - (4) burner surface unit and electric oven by Tappan; also ductless type exhaust fan, good cond. $100. Ext. 3256 or 286-0336.

WASHER AND DRYER - apartment size. $50 for pair. Otto Medeck, Ext. 2350 or 472-0339.

RUG - 9x12 green nylon; plus sofa, brick color, 65" modern. Best offer. Ext. 4493 or 283-6409.

FIGURE SKATES - boy's, size 4, excel cond. $10 or best offer. Ext. 2914 or 286-3742 eves/wkends.

WOOD STOVE - American made, heats 1500 sq ft, firebrick lined, excel cond. $200. Bob, Ext. 4551.

CRAFTSMAN - Skilsaw, portable or bench, $25; also trailer hitch, bumper type, lite. 744-8680.

TV ANTENNA - good cond, 6 yrs old. Take it at your price. Rau, Ext. 3830.

BLUE SUEDE JACKET - quarter length, size 9/10, female, excel cond; Christmas tree and supplies. Louise, Ext. 4192 or 363-6473 eves.

SKI BOOTS - men's 8½, new Le Trappeur, black plastic. $40. Ext. 4727.

DOUBLE BED - handsome mahoghany (W.J. Sloane), Beautyrest mattress and box spring, very good cond. Ext. 2959 or 286-0379.

SKI BOOTS - Caber, size 12. $10. John, Ext. 2485.

STEREO CONSOLE - wood cabinet, excel cond. $75. 878-8933.

BARBELLS - and multi purpose bench (Sears), 135 lbs of weights. All for $50. 331-2779.

KEYSTONE CAMERA - 126X, $15; Hockey ice skates, size 8, $5. Ron, 281-3149 after 5:30.

AM/FM RADIO/STEREO - maple cabinet, $35; Gourmet magazines, 1974-1980, $3/set; Royal portable Mercury typewriter, $45. 929-8642.

B.M.X. BIKE - custom built red line pro line. $350. Jim, 265-5218 eves.

MAPLE KITCHEN TABLE - 44"x32", 2 leaves just refinished. $60. 589-5126.

ORCHESTRA VIOLIN - made in Germany, w/bow, pitch pipe, and carrying case. $500. Ext. 2841.

2841.

TOLEDO SCALE - commercial, circa early 1920, fair cond. Make offer. 289-0687.

PANASONIC CASSETTE - stereo tape deck, dual recording levels, auto stop and meters, like new. $50. Ext. 3147 after 4 p.m.

Real Estate

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

For Sale

BELLPORT VILLAGE - 3 bdrm split, all appl, in-ground pool, fenced yard, walk to stores and house of worship. $49,500. 286-9390 after 6 p.m.

MEDFORD - 20 yr old hi-ranch, 1.2 acres, 2-3 bdrms, eik, playrm, laundry rm, 2 baths, central a/c, 2 car garage, patio deck, in-ground sprinkler system. Asking $55,000. Owner will hold mortg at lower than current rates. 286-1709.

BELLPORT VILLAGE - 3 bdrm hi-ranch, l/r, f/r, den, large eik, att gar, deck, 1½ baths, short walk to Kreamer St schools. $42,000. Financing available. 286-8166.

SETAUKET SOUTH - 5 bdrm farm ranch, 3 baths, large country kit, 2 car garage, walk to public pool, excel cond. $61,990. 751-1687 eves.

ST. JAMES - hi-ranch on 100x100, 4 bdrms plus rec rm, 2 full baths, ceramic tiled kit and bath, overszd 2-car gar, bkyd w/full patio w/16x32 inground pool, lower level is M/D or income potential. $58,000. 584-7324.

For Rent

NO SHIRLEY - share house, 4 mi from Lab, all appl, furnished, female preferred. $140/mo plus 1/3 util. 924-4685.

SHIRLEY - attractive apt, furnished, priv entr, util incl, excel location, 5 min from Lab and stores, mature working gentleman. Security, $285/mo pays all. 281-8044.

POCONOS - chalet in priv community, near Cove Haven resort. Skiing nearby in Tanglewood. By week or weekend. Bob, Ext. 4551 or 289-2159.

CORAM- one bdrm, l/r, full kit, furn; for a quiet individual. 928-8071.

Car Pools

BELLPORT/E. PATCHOGUE - 3 person car pool needs 1 more driver. 8:30 to 5:00 shift. Bob Walton, Ext. 2388.

BAYPORT - to start or join existing car pool. C Dodge, Ext. 4483 or 3080.

FARMINGVILLE - daily or occasional, 8:30 to 5:00 shift. Walt, Ext. 2913 or 2907 or 698-0576 eves.

RONKONKOMA - wish to join or start car pool. Victor, Ext. 7154.

SAYVILLE - car pool looking for another member. Janice, Ext. 3332.

MASSAPEQUA/SO FARMINGDALE - and vicinity. Plotkin, Ext. 4717.

HAUPPAUGE - 1 rider or driver needed for existing 2 person car pool. Gene, Ext. 2416.

QUEENS OR MANHATTAN - 2 paying riders need ride. Mike, Ext. 4008 or 3935.

Lost or Found

FOUND - brown tweed jacket, hat and needlework left in Medical. To claim, please call Ext. 3362 or 3635.

Wanted

REGULAR TIRES - in good cond, size E78-14. Morris, Ext. 4188.

PERSON — to do light housekeeping, small house, Bellport area. 1-2 times per wk. 286-3540 eves.

AUTOHARP - w/5 to 8 chords, small size in good cond. Marge, Ext. 3747.

SHOP MANUAL - or service manual for 1967 Pontiac Catalina. 744-8063 days.

CAMPER - for pickup, 9' to 9½', must have refrig, heater, stove and holding tank. Bruce, Ext. 4113 or 725-2720.

CAR SEAT - for toddler, at a reasonable price. Diane, 929-6748.

PIANO - upright or console, in good cond. 286-3851.

PERFORMANCE PARTS - for small block Chevrolet; also 8" rims for Dodge 5 lug, 4 wheel drive. Dennis, 722-4679 eves.

65 DODGE std trans, 3 spd, 6 cyl, needed for student. Ray, 727-3608.

PERSON - that lives on site to give German lessons. Schedule and price open. Ext. 3005 after 5 p.m.

BABY CARRIAGE - in excel cond. Connie, Ext. 2028 or 277-6721 after 6 p.m.

GM CAR SEAT - for child, not for infant. Artie, Ext. 4278 or 325-0743.

MINERALS - mineral collections, mineral books, any language. Plotkin, Ext. 4717.

TIRES - Two, G78-14. Lee Conway, Ext. 7629.

TRAINS - Lionel, any "O" gauge or "027" gauge cars, track, and equip. Frank, Ext. 3120.

CHAIN - 50 to 75 ft, ½" or greater, galvanized preferred. Bob W., Ext. 7197.

BABYSITTER - who lives on site, non-smoker, please. Mon thru Fri, 8:30-5:00 for 10 mo old. Mona, Ext 2347.

Services

Services are listed as a courtesy to BNL employees. They are neither screened nor recommended by the *Bulletin*.

CROCHETED HATS - $7. 878-4979.

SANDBLASTING - boat trailers chassis, any kind equipment w/wo primer coat. Reasonable rates. 744-3968.

PAINTING - ceilings, walls, trim, etc. Reasonable rates, free estimates. 399-2076 anytime.

FLOOR WAXING - Patchogue to Moriches area. Reasonable rates. 289-1568.

AUTO CLEANING - and minor paint and body work; 10 yrs experience. Reasonable. Ken, 475-1469 eves.

MOTORCYCLE ACCESSORIES - for street and dirt. Best prices, lab discounts. Ext. 2311.

KEROSENE HEATER REPAIRS - most brands, overhauls, parts. Wicks, ignitor coils, siphon pumps. Ron, 581-0468 eves.

TILE WORK - cement, terrazzo, tile. Reasonable rates. Don, 281-8848 or John, Ext. 3292.

GIVING A BRIDAL SHOWER? - Rent a beautiful umbrella, wishing well and chair. All for $15. 475-0037.

PIANO TUNING - and repair. Reasonable rates and conscientious service. 751-4985.

WELDING PORTABLE ARC - and gas. Bob, 878-4556 after 6 p.m.

PET BEHAVIOR CONSULTANTS - problem with a pet? Call a professional for advice. 399-3882.

FIRESIDE CHIMNEY SWEEPS - fireplaces, wood coal and oil flues. Dustless removal, insured. Lab discount. Bill, 584-6425.

TAXES - prepared by Tax Consultant, your home or mine. Reasonable. John, 732-2472.

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 ☐ Lost & Found ☐ Services ☐ Wanted

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.