

## BNL Gains More Megawatts and More Savings From New Contract With New York Power Authority

By the year 2000, BNL anticipates needing at least 80 megawatts (MW) of electricity to power all of the Lab's "big machines," as well as to meet the lighting, heating, cooling and other electrical requirements of the large amount of buildings, offices, laboratories and research equipment on site.

To help meet these needs — and to save the Lab some \$7.9 million more over the next four years — BNL and the New York Power Authority (NYPA) have agreed on several changes to the electric power contract existing between Brookhaven and the state's power agency since 1981. The changes bring the total amount that the Lab will save by using NYPA power for the next four years to \$61.9 million.

Most important, the new agreement provides for BNL's receiving an additional 35 MW of NYPA power, incrementally, over the next three years.

At present, Brookhaven gets about 88 percent of its electric power from NYPA and the other 12 percent from the Long Island Lighting Company (LILCO). To deliver power to Brookhaven Lab, each year NYPA pays LILCO \$1 million and Consolidated Edison \$600,000 for use of their trans-



Roger Stoutenburgh

At BNL for the signing of the new agreement providing more New York Power Authority (NYPA) electricity to BNL were: (front, from left) Louise Morman, NYPA Senior Vice President for Marketing & Economic Development; Cherri Langenfeld, Manager of the U.S. Department of Energy's Chicago Operations Office; NYPA President Robert Schoenberger; (back, from left) Mike Bebon, BNL's Assistant Director for Management & Physical Plant; BNL Director Nicholas Samios; Carson Nealy, Manager of DOE's Brookhaven Group; and Jim Yates, NYPA Director of Business, Marketing & Economic Development.

mission lines.

The first new 10 MW of NYPA power will begin arriving at BNL next Tuesday, October 1; another 5 MW will start on October 1, 1997; and the final 20 MW will become available to the Lab with the start-up of the Relativistic Heavy Ion Collider (RHIC), with some of it arriving perhaps as early as January 1, 1998.

Also effective next Tuesday, the Lab will begin paying only for actual power used or 75 percent of the contract allocation, whichever is larger, rather than the full amount allocated by the contract. The agreement also gives BNL more allocation flexibility: By notifying NYPA 12 months in advance, BNL can increase or decrease the power allocation by 10 MW a year, allowing the Lab to adjust allocation levels to programmatic needs.

Finally, unlike the previous one-year extensions between BNL and NYPA, the new agreement is for four years, extending the contract to June 30, 2000.

This is extremely important, explained Mike Bebon, BNL's Assistant Director for Management & Physical Plant, "because, in our view, competition in New York's electric industry will be somewhat volatile over the next several years as the Public Service Commission requires utilities to move to a retail competition mode. While all this settles out, we hope to ride it out with the stability of NYPA power."

To date, BNL has saved over \$100 million from its contracts with NYPA. As NYPA's contribution to BNL's power (continued on page 2)

## Budget Update

With fiscal year 1997 (FY97) arriving next Tuesday, most BNLers are wondering what the Laboratory's budget looks like for the coming year.

At this time, the BNL budget picture for FY97 is not at all clear. Most of the Lab's funding comes from the U.S. Department of Energy (DOE), which gets most of its funding through the federal Energy & Water Development Appropriation Bill.

On September 11, members of both houses of Congress met to resolve differences between the versions of the bill previously passed separately by the House of Representatives and by the Senate. The revised bill was passed by the House on September 12, by a vote of 383-29, and by the Senate on September 13, by a vote of 92-8. At press time, President Clinton was expected to sign the bill this week.

Though the bill should soon become law, and it is generally understood that the bill provides for small reductions in funding for DOE's scientific programs and more specific cutbacks in administrative areas, just how those reductions and cutbacks in DOE's budget will ultimately affect BNL's will not be known for a few more weeks, said Budget Officer Dick Melucci.

A story detailing the Lab's budget for FY97 will run in the Brookhaven Bulletin as the Laboratory receives firm budget figures.

## What They're Saying . . .

### Janos Kirz Rebutts Bill Smith

On September 16, Mort Mecklosky, who broadcasts a weekly talk show on WUSB, a radio station located on the campus of the State University of New York (SUNY) at Stony Brook, devoted his hour to an interview with Bill Smith, Executive Director of Fish Unlimited, who spoke about his perception of BNL and the Lab's environmental problems. Smith's comments included the following allegations:

*If you talk to different scientists in other lab facilities . . . around the country, that lab, Brookhaven, is perceived pretty much as a mediocre facility . . . and really is only kept alive because of the jobs issue on Long Island.*

*As you know, they're trying to downsize the Department of Energy all the time, and this lab, I know, has been pinpointed as one of the places to either really downsize or to close.*

Janos Kirz, SUNY Distinguished Professor and longtime National Synchrotron Light Source user, was one of several SUNY scientists to call Mecklosky to rebut Smith's comments. When he could not reach Mecklosky by phone, Kirz wrote a letter that same day to Norman Prusslin, General Manager of WUSB, excerpts from which follow:

Dear Mr. Prusslin,

*I wish to protest the one-sided and inaccurate broadcast interview conducted by Mort Mecklosky with Bill Smith, of Fish Unlimited, earlier today. . . .*

*Mr. Smith is on a campaign to damage, and possibly shut down, Brookhaven National Laboratory, by spreading information that is either inaccurate or outright wrong, but that incites fear of health hazards to the population of Long Island. In addition, he stated in the interview that scientists around the country say that BNL is mediocre and that the Department of Energy is targeting it for closure or, at a minimum, for major cutbacks.*

*Clearly, Mr. Smith has the right to his views, and WUSB may well want to air them. However, it seems appropriate to provide other points of view as well. Here are some facts:*

*1/ Brookhaven National Laboratory is where University faculty and students from Physics, Chemistry, Geology, Engineering, the Medical School, and, in the future, the Biological Sciences, as well, conduct research.*

*2/ Work done at Brookhaven National Laboratory has resulted in* (continued on page 2)

## AUI Distinguished Lecture

### Prions: Culprit in Mad Cow Disease?

A large number of cattle were destroyed recently in England because of an outbreak of bovine spongiform encephalopathy (BSE), commonly known as mad cow disease. Several human cases of the fatal disease, thought to be contracted by eating BSE-infected beef, have also been reported.

For several decades, scientists believed that central nervous system diseases, like mad cow disease and a similar disease in sheep called scrapie, were caused by a slow-acting virus.

But, more than 20 years ago, Stanley Prusiner, professor of neurology and biochemistry at the University of California, San Francisco, began to compile evidence that these diseases are caused by proteinaceous infectious particles, or prions.

A prion is an unusual biological agent made of only a protein, and no nucleic acid. Although Prusiner's idea was considered heretical, his experiments have shown that an infectious pathogen lacking nucleic acid can multiply and cause central nervous system degeneration.

While evidence for the prion hypothesis is substantial, much is left to be understood. In the next AUI Distinguished Lecture, entitled "Prion Biology and Diseases," Prusiner will discuss both his previous investigations and plans for future experiments on

prions. The lecture will be held in Berkner Hall next Tuesday, October 1, at 4 p.m. (Note: This is one-half hour earlier than the usual time for these lectures.)



Stanley Prusiner

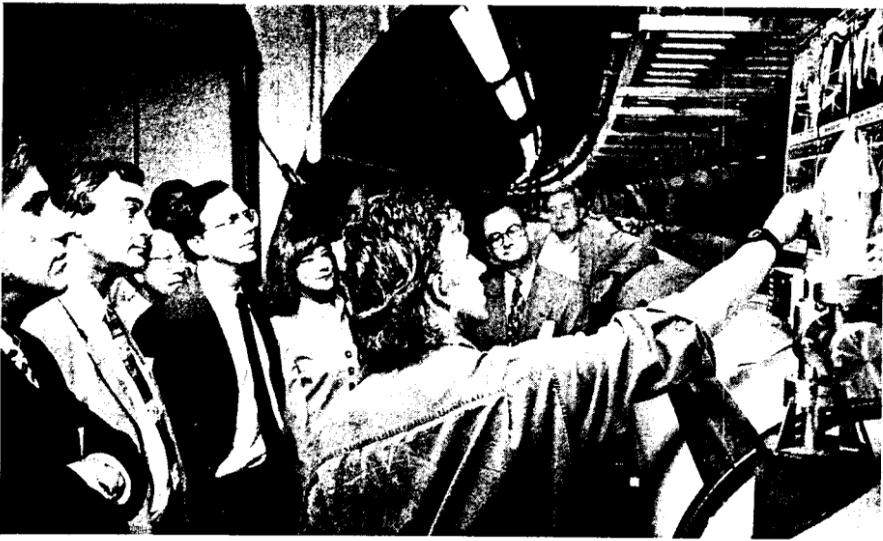
As Prusiner will relate, after purifying prions from the brain, he determined that they are composed of a single protein, which he calls the "prion protein," or PrP. Further, he found that a fragment of PrP polymerizes, or bonds with other molecules and, thus, becomes an abnormal protein, known as amyloid.

Then, Prusiner and his colleagues demonstrated that amyloid plaques in the brains of humans and animals dying of prion diseases are composed of PrP.

Unable to find a chemical difference that distinguished cellular PrP from disease-causing PrP, Prusiner and his colleagues demonstrated that the two PrP forms have different shapes, or conformations. In theory, Prusiner will explain, prions replicate by changing normal proteins, with the same amino acid sequence as their own, into malformed proteins — yielding more prions to infect other cells. Thus, prion diseases are thought to be the first recognized disorders of protein conformation.

Additionally, Prusiner will discuss how he and his colleagues also discovered (continued on page 2)

## BNL Gains Megawatts, Savings From NYPA Contract (cont'd.)



Roger Stoutenburgh

In the tunnel of the Relativistic Heavy Ion Collider (RHIC), BNL's Michael Harrison explains to visitors from the New York Power Authority (NYPA) how electricity from NYPA will be essential to RHIC's successful operation.

needs — projected at 60 MW for FY98 — rises to over 90 percent beginning October 1, BNL could save as much as \$14.4 million in FY97 alone, with \$1.4 million of that coming from the new contract.

In FY98, Brookhaven will get an additional 5 MW from NYPA, but since the Lab's power needs are anticipated to rise to 70 MW that year, NYPA's percentage of the Lab's electrical requirements will actually drop slightly. Nonetheless, BNL will save another \$14.2 million — \$1.2 million because of the contract changes.

NYPA's contribution will rise to 100 percent in FY99, when RHIC becomes operational and the site power load is expected to reach 75 MW. Actually, by FY99, NYPA is committed to giving BNL 76.91 MW of power — more than should be needed for that year, but valuable for the next, when RHIC experiments will reach full load, and the Lab's power demand should climb over 80 MW. Savings should also climb, reaching totals of \$15.8 million for FY99 and \$17.5 for the year 2000, with \$1.8 million and \$3.5 million, respectively, due to the new contract.

Negotiations on the new contract began over one year ago. Mike Bebon, along with Bruce Medaris, Manager of the Plant Engineering (PE) Division; PE Deputy Manager Ed Murphy;

and Mark Toscano, BNL's Energy Manager, served as the Lab's negotiating team. Representing the U.S. Department of Energy (DOE) were Mike Butler, Tim Drawbridge and Mike Senitta of DOE's Brookhaven Group office.

"At over \$18 million per year, electric power is a significant piece of the Lab's budget," said Bebon. "While the next few years promise to be exciting for BNL, DOE sites will be under increased pressure to reduce costs and will be competing for limited funds. The availability of low-cost NYPA power will help ensure that BNL remains a viable and competitive DOE facility, so we view this new contract as being very beneficial to the Laboratory." — Anita Cohen

## Microscopy Society Distinguishes Ledbetter

Myron Ledbetter, who had retired in 1988 as a senior biologist in the Biology Department, was honored with the Distinguished Biological Scientist Award of the Microscopy Society of America at its 54th annual meeting this August in Minneapolis. The award is given annually for "unique and distinguished contributions to microscopy."

When presented with the award, Ledbetter was cited for: his co-discovery of microtubules in plants, which is considered a major contribution to cell biology; co-invention of the electron microscope's thin-foil aperture, which is an important technical innovation; support of BNL's Scanning Transmission Electron Microscope user facility in the Biology Department; collaborative studies of heavy-ion cluster impact; and for being "an ambassador of good will to all individuals who wish to learn about electron microscopy."

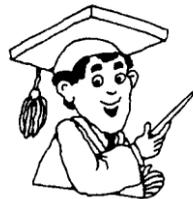
Myron Ledbetter received his B.S. from Oklahoma State University in 1948 and his M.A. from the University of California, Berkeley, in 1951, both in botany. After teaching general science and math to junior high schoolers in the Blackwell, Oklahoma, public schools, he became a research assistant at what was then Boyce Thompson Institute for Plant Research, which is now a part of Cornell University. During his tenure there, 1952-60, Ledbetter obtained his Ph.D. in botany from Columbia University and became a guest researcher at BNL.

For the following year, he studied electron microscopy techniques at what was then the Rockefeller Institute. Ledbetter spent 1961-65 at Harvard University, continuing his research with the electron microscope. He came to the Lab in 1965 as a cell biologist, was granted tenure in 1968 and achieved his final position in 1974.

— Marsha Belford



Myron Ledbetter



## AUI Scholarship Alert

Application forms for the 1997 AUI Trustee Scholarships can now be obtained from the Office of Scientific Personnel. The application deadline is November 15.

Children of regular employees of BNL are eligible to compete for up to 14 scholarships, each for \$2,500 per year, renewable for up to four years of study toward an academic degree.

Also, Associated Universities, Inc. (AUI) will award up to three scholarships to BNL and National Radio Astronomy Observatory employees' children who are Black, Hispanic or Native American, and up to two of these may go to BNL employees' children.

Applicants must be secondary school seniors who will be graduating during the current academic year and entering college by fall 1997.

In addition, qualified applicants are children of BNL employees who begin regular, full-time or regular, eligible part-time employment no later than this November 15, and who are employed by BNL when the award is announced; or children of retired employees or employees who died while in regular service at the Lab. Stepchildren are eligible if the employee regularly claims the child as a dependent for income-tax purposes, or if the stepchild has resided in the employee's household for the two-year period immediately prior to application.

For more information, contact OSP, Bldg. 185A, Ext. 3336.

## Janos Kirz Rebutts Bill Smith (cont'd.)

four Nobel Prizes, and numerous other national and international awards.

*The Lab is an international leader in synchrotron radiation (my own specialty), boron neutron capture therapy (a treatment for brain cancer), and several other areas. It is currently constructing the Relativistic Heavy Ion Collider, the largest accelerator of its kind in the world.*

*3/ Through public information sessions, news releases, laboratory tours, and with reports from impartial third parties, the Laboratory has shown that the allegations by Mr. Smith are either misleading, exaggerated or unfounded.*

*I am personally offended by WUSB only airing what I believe to be the wrong side of the story. . . . I urge you to invite a responsible and knowledgeable representative of the Laboratory to provide proper balance.*

Sincerely yours,  
Janos Kirz

After sending his letter, Kirz did receive a call from Mecklosky. Mona Rowe, of BNL's Public Affairs Office, had also been in phone contact with Mecklosky since the show aired, and, shortly thereafter, Mecklosky invited Rowe to join him on the air on Monday, October 14, at 10 a.m. WUSB can be found at 90.1 on the FM dial.

## AUI Lecture

(cont'd.)

ered the mutations in the PrP gene that cause central nervous system degenerative disease. Further, he will explain how they demonstrated that a disease can be both inherited and infectious, an unprecedented concept in disease pathogenesis.

Prusiner earned an M.D. from the University of Pennsylvania in 1968, and, after completing his residency and internship at the medical center at the University of California, San Francisco, he joined the faculty in 1974 as an assistant professor of neurology. He has spent his entire professional career there, assuming his present position in 1984.

Prusiner has received numerous awards and honors, including the 1993 Gairdner Foundation International Award for Outstanding Achievement in the Field of Medical Science, the 1994 Albert Lasker Award for Basic Medical Research and the 1996 Wolf Prize in Medicine. He is a member of the National Academy of Sciences and the American Academy of Arts and Sciences.

Associated Universities, Inc. (AUI), initiated the AUI Distinguished Lecture series at BNL in 1965. The series features experts in various subjects who lecture on topics of general interest.

— Diane Greenberg

## Take Your Sons to Work

BNL employees' sons ages 11-15 are invited to participate in the Lab's second Take Our Sons to Work Day, on Columbus Day, Monday, October 14.

This week, all employees received a memo from BNL Director Nicholas Samios announcing the event and containing a registration form. Participants will be the first 200 boys registered by next Friday, October 4.

While the day is designed only for sons — daughters have their special day in April — parents can be mothers or fathers. Parents who cannot bring their sons to their workplaces due to safety concerns should arrange for "host parents" for the morning portion of the day's activities. Parents unable to make such arrangements should note this on the registration form, so the Lab can find host parents for their sons.

The day will start with sons' reporting to work at their parents' or host parents' usual reporting times. At noon, the boys and their parents will go to the Brookhaven Center for a box lunch. Then, the boys will hop onto buses for visits to the Science Museum and to several other areas of the Lab, with those stops featuring career talks. Parents will pick their sons up at the Brookhaven Center at their usual departure times.

Employees interested in being host parents or afternoon chaperones may call Susan Foster, Human Resources Division, Ext. 2888.

Employees or guests who did not receive this week's mailing may obtain a registration form at the reception desk in Human Resources, Bldg. 185.

## Pine Barrens Forum On Site Next Week

BNLers are invited to attend all or part of the Long Island Pine Barrens Research Forum, to be held in Berkner Hall on Friday, October 4, from 8:30 a.m. to 4:30 p.m.

The forum will feature talks on: the pine barrens' recovery from the 1995 wildfires and drought; the ecology of pine-barrens plants and animals, including rare species; and the connections between local groundwater and surface water. Poster presentations, including analyses of BNL's impact on the local forest ecosystem, will be on display in the lobby.

A complete schedule is available from Jan Naidu, Safety & Environmental Protection Division, Ext. 4263.

The forum is sponsored by the Central Pine Barrens Joint Planning and Policy Commission, the Long Island Groundwater Institute and BNL.

## BNL's 4th Healthfest — A Week Of Health, Fitness & Safety

This year, not only are BNL employees and retirees invited to participate in *Healthfest* — the Lab's fourth celebration of personal health, fitness and safety scheduled for Wednesday, October 16, through Saturday, October 19 — but their families again may also attend the festivities on Saturday.

The four-day festival has the following schedule of activities:

### Wednesday, October 16

- **Pre-Walk Aerobic Stretch** — (rain or shine) 11:40 a.m.-noon, at the Science Education Center, Bldg. 438.
- **Employee 2-mile Fitness Walk** — (rain or shine) noon-1 p.m., start at the Science Education Center, Bldg. 438.

### Thursday, October 17

- **Pre-Run Aerobic Stretch** — (rain or shine) 11:30 a.m.-noon, at the Biology Department, Bldg. 463.
- **Employee 5-kilometer (3.1-mile) Fitness Run** — (rain or shine) noon-1 p.m., start at the Biology Department, Bldg. 463.

### Friday, October 18

- **Employee Health, Fitness & Safety Fair** — 11 a.m.-2 p.m., at Berkner Hall, Bldg. 488.
- **Stress Management and Relaxation Techniques Workshop** — noon-12:30 and 12:30-1 p.m., at Berkner Hall, Bldg. 488.

### Saturday, October 19

- **Employee and Family Health, Fitness & Safety Fair** — 10 a.m.-2 p.m., at Berkner Hall, Bldg. 488.
- **Tennis Tune-Up & Fun Doubles** — 10 a.m.-1 p.m., at the BNL Tennis Courts.
- **10-mile Individual & Team Fitness Biathlon** — (2-mile run & 10-mile cycle) starts 11 a.m., at the Gymnasium, Bldg. 478.
- **Reiki Healing Circle** — 11:30 a.m.-12:30 p.m., Berkner Hall, Bldg. 488.

On Friday, the Health, Fitness & Safety Fair will feature displays, demonstrations and screenings of interest to adults. On Saturday, it will be expanded, to include children's activities.

For more information and to sign up for the stretch, walk, run, stress workshop, tennis, biathlon and healing circle, look for a *Healthfest* mailing to all employees or see next week's Brookhaven Bulletin.

## 50 YEARS AGO THIS WEEK

This series, which recounts the earliest days of Associated Universities, Inc. (AUI), and BNL, will run as appropriate throughout 1996 and 1997, the 50th anniversary years of AUI and BNL, respectively.

• **September 27, 1946** — The Committee on Contract, having continued contract discussions with the Manhattan District since the previous Executive Committee meeting of September 9, presents the Executive Committee with a fifth draft of a contract for management of the new laboratory.

The Executive Committee recommends to the 18-member AUI Board of

Trustees that the AUI officers be authorized to enter into a contract with the War Department in the form of Draft No. 5, with such amendments in the interests of a free scientific effort as the officers deem advisable and obtainable. At a meeting of the Trustees later this day, this recommendation is approved.

• **September 28, 1946** — AUI issues a press release announcing that a name has been selected for the new research center: Brookhaven National Laboratory.

(To be continued on October 18.)

## Arrivals & Departures

### Arrivals

None

### Departures

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

**Gerald Cook**.....Chemistry  
**Zoran Mursic**.....Chemistry  
**Anthony Tridico**.....App. Science  
**Douglas Van Campen**.....NSLS

## Wanted: BNL Crafts for Fall Show

Attention BNL crafters: Your finest crafts are needed for the BERA Art Society's upcoming Fall Craft Show. To be held at Berkner Hall from Monday to Wednesday, November 25-27, the show will be open daily from 11:30 a.m. to 1:30 p.m., and an evening reception will be held from 5 to 7:30 p.m. on Monday. A prize will be awarded for the most popular of all the entries.

BNL employees, their family members 15 years of age and older, retirees and guests of the Lab may all contribute. More than one piece may be entered by an exhibitor, to be shown as space permits. So, get crocheting, quilting, metalworking, knitting, sewing, toy making, woodworking, weaving, or whatever craft you do best — we've got a show to put on!

Bring your exhibits to Room B, Berkner Hall on the afternoon of Friday, November 22. For the catalog, complete two forms (see below) for each work you entered, and return them by Friday, November 15, to: Robert Chrien, Bldg. 510A. More forms are at the BERA Sales Office, Berkner Hall. Copies are acceptable.

### Entry Form for BNL Fall Craft Show, November 25-27, 1996

Crafter's name: \_\_\_\_\_ Home telephone: \_\_\_\_\_

BNL contact: \_\_\_\_\_ BNL extension: \_\_\_\_\_

Type of craft (one craft per entry form): \_\_\_\_\_

Space required: \_\_\_\_\_ Check one: table  floor  wall

Please return completed to: Bob Chrien, Bldg. 510A, by Friday, November 15.

## Medical Contributions to Rise 10/1

Regardless of their dates of hire, active BNL employees who are covered by any of the Lab's medical insurance plans are reminded that, beginning October 1, their contributions toward the cost of medical insurance will increase.

Employees hired by the Lab before January 1, 1992, were first asked to pay toward their medical plans beginning last October 1, as a result of contract negotiations between Associated Universities, Inc., and the U.S. Department of Energy. For those employees, as of this October 1, the amount that they pay toward medical insurance will double.

Those hired since January 1, 1992, have always paid toward the cost of medical insurance. Their contributions were based on which of three ranges their annual base salaries fell into, with the top contributions made by those making \$40,000 and above. Now, those employees will contribute depending upon which one of four ranges their annual base salaries falls into, with the top range for those earning \$60,000 and above.

In addition, those who retire on or after October 1 of this year will be required to pay toward their medical insurance at the new contribution rates based on their final salary.

Effective October 1, the medical-insurance monthly contribution schedule for all employees is as follows:

annual base salary*	employee only	employee & 1 dependent	family
less than \$30k	\$20.58	\$31.42	\$42.25
\$30k to \$39,999.99	\$29.25	\$43.33	\$58.50
\$49k to \$59,999.99	\$37.92	\$56.33	\$75.83
\$60k & above	\$49.93	\$74.95	\$99.94

\* Eligible part-time employees contribute based on their full-time equivalent salary.

Contributions will continue to be deducted on a before- or after-tax basis, depending upon what you elected last October, if you were hired before January 1, 1992; or upon what you elected upon hire, if after that date. If you wish to review or change how you pay for your medical-plan contributions, contact Muriel Pfeiffer, Human Resources Division, Bldg. 185, Ext. 2877.

Also, October 1-31, employees eligible for medical insurance may change their coverage or drop their plans altogether, effective January 1, 1997. More information will be available in next week's Bulletin.

## What's Green or Red And Begins With C?

It's not Christmas — it's your car sticker.

Check the back of your vehicle's rearview mirror: If your BNL vehicle registration sticker is green, then you must reregister your vehicle with the Personnel Security Section of the Safeguards & Security Division (S&SD), to receive a red sticker. You have until after Christmas — New Year's Eve, December 31, to be precise — to bring your registration up to date.

According to BNL policy, all employees and guests must register the vehicles that they use on site with S&SD, and they must display the vehicle-registration sticker on the back of their vehicle's rearview mirror to gain entrance and drive on site.

To register your vehicle, bring your BNL ID card and the vehicle's state registration card to the Brookhaven Center, Bldg. 30, weekdays, 8:30 a.m. to 5 p.m. You must show state registration and fill out a BNL form #2880B for each vehicle. For more information, call Hank Raimondo, Ext. 7258.

## Walk for MS

BERA is again joining the Walk for Multiple Sclerosis (MS), which supports the National Multiple Sclerosis Society's efforts to find the cause and cure for MS and, this year, starts at 9 a.m. on Sunday, October 13, at Belmont Lake State Park, North Babylon.

Join the BERA walkers by registering at the BERA Sales Office, Berkner Hall, Ext. 3347, weekdays, 9 a.m. to 1:30 p.m. If you cannot walk, but want to make a donation, make your check payable to the National MS Society and mail it to the Recreation Office, Human Resources Division, Bldg. 185, or drop it off at the BERA Sales Office.

## Volleyball

The second BERA Volleyball League captain's meeting will be held at noon on Wednesday, October 2, in Room B, Berkner Hall. The agenda includes: voting on rule changes, deciding on refereeing, presenting the budget and setting team fees. For more information, contact Richard Wagener, league secretary, Ext. 5866 or e-mail wagener@bnl.gov.

## Equipment Demos

Contech-RTI will display test equipment from several manufacturers in Berkner Hall, from 10 a.m. to 2 p.m. on Wednesday, October 2: Hipotronics — high-voltage ac/dc hipot and insulation testers, etc.; Kepco — modular dc power supplies, switches, etc.; Nicolet — data-acquisition and analysis systems; Pentek — data-acquisition and I/O products, etc. Wavetek — arbitrary-waveform, function and pulse generators, and more; Yokogawa — power measuring instruments and more.

L&M Associates will exhibit Keithley Instruments & Metrabyte's precision low-level measurement and data-acquisition devices on Thursday, October 3, from 11 a.m. to 2 p.m. in Berkner Hall. Factory representatives will be available to answer questions.

### Note to Employees:

Attendance at lectures, meetings and other special programs held during normal working hours is subject to supervisory concurrence.

## BROOKHAVEN BULLETIN

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## See the Christmas Show!

A few seats remain for the BERA bus trip to New York City to see the Christmas Show at Radio City Music Hall on Saturday, December 7.

For \$103 per adult or \$95 per child under 12, the trip includes free time on 5th Avenue, an orchestra or mezzanine seat for the 2:30 matinee, a full-course dinner at *La Maganette* restaurant, a view of the Rockefeller Center Christmas tree, round-trip deluxe motorcoach transportation, and all taxes and tips.

Reserve seats now with a \$50 deposit at the BERA Sales Office, Berkner Hall. For more information, call Andrea Dehler, Ext. 3347, or M. Kay Dellimore, Ext. 2873.

## WordPerfect Users

The WordPerfect for Windows Users' Group will meet from 10 to 11 a.m. on Thursday, October 3, in the second-floor seminar room, Computing & Communications Division, Bldg. 515.

The new features of WordPerfect version 7 for Windows 95 will be discussed, including QuickSpots, QuickMenus, Guidelines, Bullets on the Fly, and more. To reserve a seat, contact Donna-Ree Rodriguez, Ext. 7261 or e-mail donnaree@bnl.gov.

## Final Golf Tourney

The BERA Golf Association (BGA) will host its final golf tournament of the season on Friday, October 4, at the Swan Lake Golf Club. Tee-off will take place from 10 a.m. to 12:15 p.m. Following the tournament, the BGA will hold its annual banquet, at 6 p.m.

Members and nonmembers are invited to both events. For more information or entry forms, contact Gordon Rawn, Ext. 7095 or e-mail rawn@mail.sep.bnl.gov.

## Pool Schedule

The new, three-month schedule at the swimming pool will begin on Tuesday, October 1, and end on Tuesday, December 31. Purchase tickets at the pool during open hours:

### Open Hours

#### Monday through Friday

11 a.m. - 1:30 p.m. employees only

1:30 - 2 p.m. speed swimming/training

5 - 8:30 p.m. employees, families, guests\*

#### Saturday & Sunday

1 - 5 p.m. employees, families, guests\*

### Fee Schedule

#### Daily Admissions

employee/family member \$2.00

guest \$3.00

#### Season Tickets (fees not prorated)

individual \$40.00

family \$50.00

\***Guest ruling:** One guest per employee is permitted without prior arrangement. Advance arrangements for additional guests, up to five per employee at one time, must be made at the Recreation Office, Personnel Division, Bldg. 185. Guests must be accompanied by the sponsoring employee. The pool is closed on all Lab holidays.

## Bowling

### Red and Green League

R. Prwivo 229/224/207/660 scratch series, R. Eggert 215/212/203/630 scratch, J. Griffin 226/221/640 scratch, E. Meier 244, J. Goode 239, B. Guiliano 237, R. Mulderig 222/211, E. Sperry IV 222, K. Koebel 220, E. Larsen 216/213, R. Wiseman 212/201, K. Asselta 201/200, N. Besemer 202, T. Prach 200, E. Sperry III 200.

### Purple and White League

B. Mullany 258/197/182/637 scratch series, M. Guacci 257/203/610 scratch, P. Callegari 235/207/198/640 scratch, M. Meier 234/232/644 scratch, D. Riley 225/202/201/628 scratch, K. Botts 225/188, J. Zebuda 211/199, R. Raynis 205/191, B. Guiliano 201/191, J. Goode 193/190, E. Sperry 247, S. Frei 234, S. DiMauita 223, A. Pinelli 204, E. Meier 203, P. Buonauto 195, R. Picinich 191, E. Sperry III 190/188, Don King 190, M. G. Meier 189, K. Conkling 185, N. Fewell 183, D. Botts 177, M. DiMauita 173, T. Mehl 172, R. Flack 170.

## Classified Advertisements

### Placement Notices

The Laboratory's placement policy is to select the best-qualified candidate for an available position. Consideration is given to candidates in the following order: (1) present employees within the department/division and/or appropriate bargaining unit, with preference for those within the immediate work group; (2) present employees within the Laboratory; and (3) outside applicants. In keeping with the Affirmative Action plan, selections are made without regard to age, race, color, religion, national origin, sex, handicap or veteran status.

Each week, the Human Resources Division lists new placement notices, first, to give employees an opportunity to request consideration for themselves through Human Resources, and second, for general recruiting under open recruitment. Because of the priority policy stated above, each listing does not necessarily represent an opportunity for all people.

Except when operational needs require otherwise, positions will be open for one week after publication.

For more information, contact the Employment Manager, Ext. 2882, or call the JOBLINE, Ext. 7744 (344-7744), for a complete listing of all openings.

Current job openings can also be accessed via the BNL Home Page on the World Wide Web. Outside users should open "http://www.bnl.gov/bnl.html", then, under "Information," select "Jobs." For scientific staff openings, select "Scientific Personnel Openings"; for all other vacancies, select "General Personnel Openings."

**LABORATORY RECRUITMENT** - Opportunities for Laboratory employees.

MK108. TOOL & INSTRUMENT MAKER, GROUP LEADER - Chemistry Staff Shop, Central Shops Division.

**OPEN RECRUITMENT** - Opportunities for Laboratory employees and outside candidates.

NS 3642. COMPUTER ANALYST POSITION - Requires BS in engineering or computer science, 5-10 years' experience with UNIX, DEC VMS and PC operating systems, and some management experience. Knowledge of networking (hubs, routers, protocols) and experience in designing and developing specifications for the procurement of multi-vendor computing systems is highly desirable. Must have strong skills in diagnosing hardware, software and networking problems. Will manage computing resources consisting of several UNIX servers, a VAX ALPHA system, numerous X Window terminals, PCs and Macs, including a multi-user Novell network. Department of Advanced Technology.

NS 6184. ENGINEERING POSITION - Requires a BSEE, MS preferred, and strong interest in analog circuit design and analysis. Significant experience in fast-pulsed power technology, especially in fast-beam kicker modulator and kicker magnet construction and implementation is necessary, as is experience in high-voltage, high-current switches. Alternating Gradient Synchrotron Department.

DD 6189. TECHNICAL POSITION - (term appointment) Requires an AAS or equivalent in mechanical technology and experience in close tolerance mechanical assemblies. Knowledge of electric and hand shop tools, including precision measuring devices, also required. Vacuum and sheet-metal fabrication experience desirable. Alternating Gradient Synchrotron Department.

### Motor Vehicles & Supplies

95 DODGE NEON - metallic midnight blue, a/t, ac, stereo cass., split seats, large tires, sport trim, 34k mi., orig. owner, \$8,200. 473-6432.

93 MAZDA PROTEGE LX - black, 5-spd., ac, p/s, p/b, am/fm cass., sunroof, excel. cond., \$7,900. John, Ext. 2526 or 744-4567.

90 PLYMOUTH ACCLAIM - 4-dr., 98k mi., ac, a/t, airbag, runs well, asking \$2,700. Carl, Ext. 4420 or 722-3338.

90 CHEVY CAVALIER CL - 4-dr., equipped, 96k mi., good cond., \$2,850. Jim, Ext. 2183.

90 VOLVO 240DL - burgundy, 4-dr. sedan, p/w, p/l, 4-cyl., excel. cond., asking \$7,000. Lloyd, Ext. 5225.

89 CHEVY CORSICA - 4-dr., 2.8 V-8, a/t, looks good, runs well, \$2,900. Ted, Ext. 4289 or Denise, 395-4284.

88 FORD TAURUS - s/w, a/t, p/s, p/b, ac, v.g. cond., \$2,500 neg. Vidya, Ext. 3443 or 344-1087.

88 TOYOTA PICKUP - 4wd, V-6, 5-spd., 33" tires, 102k mi., \$3,900. 325-1907.

88 DODGE DYNASTY LE - loaded, all power, v.g. cond. in/out, burns a little oil, passes emissions, \$1,500. Bruce, 363-8050.

87 TOYOTA COROLLA FX - 3-dr., h/b, 121k mi., v.g. cond., \$2,500. Fern, Ext. 3969 or 399-9210.

87 CHEVY C10 PICKUP - 4-spd., new 4.3L V-6 eng., clutch, more, body good, v.g. mechanically, \$3,300. Herman, Ext. 7333.

87 JEEP GRAND WAGONEER 4x4 - 89k mi., loaded, mint in/out, \$6,200. Terri, 298-1932.

87 CONQUEST - low mi., excel. cond.; '82 Chevy, excel. cond., \$450. Marc, 924-0960.

86 GRAND AM - V-6, 662k mi., a/t, p/s, p/w, p/l, ac, am/fm cass., clean in/out, asking \$3,700. Tirre, Ext. 3288 or 281-0360 after 6 p.m.

86 JEEP CHEROKEE - 2-dr., 4wd, hitch, 80k mi., new engine installed at 45k mi., fair cond., \$4,000 obo. Mike, Ext. 3683.

86 CUTLASS SIERRA - 4-dr., 4-cyl., \$495. Mike. 874-9556.

84 HONDA CRX - 5-spd., blue/gray, 116k mi., 45 mpg, well maint., many new parts, reliable, \$1,250 obo. Wei, Ext. 7183 or 689-3756.

84 PONTIAC FIREBIRD TRANS AM - 5-spd., black w/ gold trim, 5.0L eng., V-8, orig. owner, \$1,700 obo. Rich, Ext. 5893 or 744-4816.

82 HONDA CIVIC - 5-spd., 4-dr., am/fm, runs well, good cond., \$600. Jian Lin, Ext. 5401.

79 PONTIAC LEMANS - 80k mi., 4-dr., 8-cyl., \$850; '79 Chevy Monte Carlo, 2-dr., 6-cyl., \$250. Anne or Paul, 361-6835.

78 PEUGEOT 504 - sedan, gas, good eng., parts, etc. Chris, 744-6874.

77 SHASTA TRAILER - 27', self-contained, has everything, \$3,000. 878-2577.

78 FORD F250 PICKUP - 4wd, 460 cu. in., a/t, everything new, mint, asking \$4,950. Mickey, Ext. 7908 or 473-7460.

73 HARLEY DAVIDSON SPORTSTER LXCH - 1,000cc, pipes, forward controls, 3.26m tank, runs well, \$3,200 obo. Frank D., Ext. 2022 or 399-4480.

66 PORSCHE 912 - very restorable, extras, manuals, asking \$2,000. John, Ext. 5470.

### Furnishings & Appliances

BEDROOM SET - Thomasville, oak, king-size bed, 2 nightstands, dresser, chest of drawers, headboard, Queen Anne mirror, \$1,000. Lloyd. 728-4574.

CABINET - high cabinet w/lights & glass shelves, ideal for collectibles, v.g. cond., \$75. 581-7656.

CHINA CABINET - dark walnut finish, 2-piece, good cond., \$100; refrigerator, Admiral, 15.5 cu. ft., works well, \$150. 878-4825.

COFFEE TABLE - unique 1964 World's Fair, opens up to a bar, mint cond., \$400; sofa bed, queen; trundle bed, \$100. Kandy, 924-6164.

DESK & chair for child/youth, tops lifts for storage, good cond., \$20. Mary, Ext. 2066 or 744-1898.

HI-RISER - w/cover & bolsters, excel. cond., \$150; Faberware convection oven, hardly used, \$50. Karl, 744-2461.

REFRIGERATOR - full-size, \$20; ac, window, v.g. cond., \$50, must sell, leaving country. Vidya, Ext. 3443.

SOFA - sleeper, queen-size, \$75; filing cabinet, 5-drawer, steel, \$75. Bill, 286-7583.

SOFA BED - full-size, oatmeal color, \$50; wicker fan chair w/green cushion, \$20. Steve, Ext. 7570 or 874-2805.

WALL UNIT - dark wood, 4-pcs., mirrored & lighted, display top w/storage, \$400. Morris, Ext. 4192 or 924-6274.

WASHING MACHINE - Maytag, \$95; refrigerator, 11 cu. ft., \$185; dishwasher, portable, oak-top, orig. \$695, sell \$285; wall oven, \$75. Jeff, Ext. 2703.

### Tools, House & Garden

PLANT - jade, in clay pot, 3'h x 3'w, perfect for office/large room, very healthy, \$50. Ext. 7908.

WHITE PINES - arborvitae, nursery grown, \$3/ft., dwarf Alberta spruces, \$4/ft.; hydrangea, potted, \$3/ea.. John, 744-5867.

### Sports, Hobbies & Pets

BICYCLE - Lotus, alum. frame, 10-spd., orig. \$600, asking \$125. Debe, 399-0224.

BICYCLE - 19" Fuji Royale, Suntour derailleur, side caliper brakes, good cond., \$15. Janine, 286-7583.

DOG - female, black Lab mix, under 2 yrs. old, \$30. Lorjean, 744-5857.

FISH TANK - 55-gals., custom wood stand, 2 filters, powerheads, heater, hood, air pump, \$150 neg. Jim, 543-0087.

GIUITAR - Washburn, acoustic electric, orig. \$450, sell \$300. Steve, Ext. 3572.

MOUNTAIN BIKES - Scott Pro All XTR, Scott Comp All Deore LX, must sell, both like new. 736-6921.

SWING SET - Hedstrom, 2 swings, glider slide, 4-person swing, minor assembly required, good cond., \$40. Lloyd, Ext. 5225.

WEIGHT BENCH - good cond., \$30; rowing machine, \$10; bicycle, Panasonic, 12-spd., good cond., \$30. Nate, Ext. 4058.

### Miscellaneous

TICKETS - 2, Westbury Music Fair, Kenny Rogers' Christmas Show, 12/14, 4 p.m., row D, \$35/ea. Mickey, Ext. 7908.

TICKET - 1, Met. Opera, Fri., 10/4, *The Bartered Bride*, family circle, BERA seat, \$25. Arnie, Ext. 2606.

WINTER COAT - beige, basic, attached fur collar. Ext. 5938.

### Yard & Garage Sales

EAST MORICHES - 9/28-29, 9 a.m., 21 Valley Dr., furniture, toys, swing set, refrigerator, housewares. Jim, Ext. 3932.

### Lost & Found

LOST - men's watch, Bldg. 51M, during August construction. Mary, Ext. 2066.

### Free

DOGHOUSE - extra-large, custom-built. Al, 878-2577.

KITTENS - black & white, 8 wks. old, born 7/25, ready to go. Pete, Ext. 5105 or Eileen, 399-2813.

VCR - broken. Janine, 286-7583.

### Real Estate

*Real Estate advertised for sale or rent is available without regard for the race, color, religion, sex, age, national origin, disability or veteran status of the applicant.*

### For Rent

BELLPORT VILLAGE - large 1-bdrm. upstairs apt. in 2 family house, 1-car gar., single, no smoking/pets, \$710 incl. all. 744-2095 after 6:30 p.m.

CORAM - 2-bdrm. apt, avail. 9/30, 7-mo. lease, pool, exercise club, tennis court, sec. guard, \$915/mo., bonus give half mo. free. Doug, Ext. 7419.

E. SETAUKET - 4-bdrm. ranch, bsmt., vinyl siding, windows, eik, new appl., hardwood floor, 1/2 acre, 3VSD, rent w/opt. to buy, \$1,300/mo. or \$139,000. 474-4321.

E. SETAUKET - small A-frame cottage, on water, w/loft bdrm., avail. immed., \$825 incl. util. Rob, 751-5277.

FARMINGVILLE - 1-bdrm., l/r & kitchen combo, full bath, priv. ent., newly remodeled, immed. occup., \$650/mo. incl. all. 698-2976 after 6 p.m.

MASTIC BEACH - 1-bdrm. apt., ground floor, own therm., sun porch, priv. ent. & parking, cable, utils. incl., clean, \$600/all + sec. Mike, 399-0651.

MIDDLE ISLAND - 1-bdrm. condo, renovated, w/d in unit, d/r, dw, closets, parking, rec. fac., patio, oak floors, nonsmoker. \$725 + elec. Ext. 4979 or 878-6760.

MIDDLE ISLAND - 2-bdrm. condo, Fairview upper unit, furn., 1/2 baths, all appl., pool, tennis, clubhouse, \$890/mo. + util. Ext. 7860 or 751-8351.

MIDDLE ISLAND - 1-bdrm. condo, Fairview upper unit, pond view, 1 1/2 baths, cac, pool, tennis, clubhouse, excel. cond., \$735/mo. + util. or sell for \$79,900. Ext. 4449 or 751-8403.

N. SHIRLEY - house to share, near LIE on quiet street, must love dogs, immed. occup., \$450/mo. incl. all Jerry, 281-0839.

ROCKY POINT - 3-rm. apt., priv. ent., walk to beach, single preferred, no pets, immed. occup., \$525/mo. + util. 744-5282.

ROCKY POINT - 1-bdrm. co-op, free heat, new appl., w/w, walk to shopping, ac, \$700/mo. or sell \$43,000. Sheryl, Ext. 7716 or 929-8741.

ROCKY POINT - new 4-rm. apt., 1-bdrm., eik, bath, large closet, priv. ent., incl. ac, own therm., util., w/w, storage, near water, no pets, single, \$650/mo. + sec. Kathy, 821-2586.

SHIRLEY - 2-bdrm. upstairs apt., no pets/smokers, cable & util. incl., sec. \$875. 281-8111.

SOUND BEACH - 1-bdrm. bsmt. apt., l/r, eik, priv. ent. & driveway, single, nonsmoker pref., no pets, \$500/mo. incl. all. Lynanne, Ext. 7918 or 744-7007.

STONY BROOK - 3-bdrm, 1/2 baths, l/r, d/r, eik, garden, older home in village center, walk to shops, beach, avail. 11/1, \$1,350 + util., lease. 474-8715.

HILTON HEAD, SC - condo, sleeps 6, fully furn., 2-bdrm., 2 baths, pool, beach, golf nearby, through Sept., \$500/wk. Guy, Ext. 3147 or 689-5378.

VERMONT - ski house near Mt. Snow, sleeps 7, avail. wk./wknds., \$125/night, 3-night min., season rental avail. 11/15-4/15, \$5,600 + util. Lloyd, 627-7589.

### For Sale

BELLE TERRE - 3-bdrm. ranch, 2 baths, 1/2 wooded acres, cac, electronic air cleaner, 2 fp, lg. 2-car gar., Port Jeff SD, priv. village beach. Wenener, 473-9125.

BELLPORT VILLAGE - legal 2-family Cape, 2-bdrm. downstairs, 1-bdrm. upstairs, full bsmt., 2-car gar., \$145,000. 744-2095 after 6:30 p.m.

BROOKHAVEN HAMLET - 3-bdrm., 2 full baths, eik, large den, l/r, fenced yd., \$102,000. 286-8543.

FLANDERS - 4-bdrm, 2 1/2 baths, ceramic-tiled eik, den w/ fp, oak floors, skylights, wraparound deck, 2-car gar., lap pool, landscaped, near ocean, \$234,000. 727-1782.

HOLBROOK/BOHEMIA - 2-bdrm. mobile home, 70' x 12', newly decorated, full bath, l/r, ac, self-cleaning oven, w/w, w/d, custom mirrors, many extras, near all, asking \$45,000. 567-8338 eves.

HOLTSVILLE - Waverly Place ranch, 2-bdrm. condo, 5 rms., bath, new roof, siding & windows, dw, w/d, refrig., asking \$80,000. Jack, Ext. 7493.

MEDFORD - Pines, 3-bdrm. ranch, 2 baths, 0.4 acre, l/r, d/r, kitchen, den, w/w, alarm sys., 7 appl., patio, shed, 40'x24' attic, \$135,000. Sy, Ext. 4992.

MIDDLE ISLAND - 3-bdrm. townhouse, Spring Lake, 4-yrs. old, 24 hrs. sec., golf course, i/o pools, sauna, all amenities, \$140,000 neg. Ben, Ext. 4041.

MIDDLE ISLAND - 4-bdrm. Colonial, l/r, d/r, eik, den, oak floors, wood-burning stove, front porch, landscaped, \$129,900. Diana, Ext. 2886 or 924-6002.

MIDDLE ISLAND - 1-bdrm. co-op, l/r, kit, d/r, patio, cac, use of clubhouse, swimming pool, \$55,000. Regis, Ext. 2334 or 924-0654.

MORICHES - 2-bdrm. vaulted condo, Waterways, on pond, 2 baths, den, d/r, l/r, fp, vaulted ceilings w/fans, 2-car gar., patios, elec. awning, marina, more, \$225,000. 878-2960.

N. SHIRLEY - 9-rm. Colonial, custom-built, 2 full baths, 1/2 acre, city water, \$105,000. 924-0960.

PATCHOGUE VILLAGE - owner-occupied, 2-family house, fenced yard, walk to town, \$80,000. 475-3672.

RIDGE - 3-bdrm. Colonial, 3/4 acre, Park Ridge Estates, l/r, d/r, cab, app, decks, fenced priv. property, 7 yrs. old, 2 mi. to Lab, ask. \$142,900. Mike, 924-1837.

RIDGE - 3-bdrm. ranch, 2 1/2 bath, den, country kitchen, cathedral ceilings, newly renovated, fenced yard, \$113,000 or will rent w/option to buy. Carol, Ext. 2446 or 744-8632.

RIDGE - 3-bdrm. townhouse, 1 1/2 baths, cac, w/w, all appl. in excel. cond., attic storage room, 5 mins. to Lab, move-in cond. Mary, 924-4328.

RIVERHEAD - 2-bdrm. mobile home, 12'x65', w/8'x12' new ext., eik, full bath, cac, oil hot air heat, immac., ask. \$21,000. Lois, Ext. 3315 or 929-4753 eves.

SHIRLEY - 3-bdrm. ranch, new kitchen, appl., windows, shed, heating system, vinyl siding, fin. bsmt., near wildlife refuge, \$93,900. Larry, Ext. 5462.

SOUND BEACH - 2-bdrms., 2 baths, new kitchen, 2 decks, gar., fenced yd., fin. bsmt., w/separate ent. & additional full bath, 1/4 acre, walk to beach, \$109,500 neg. Corbett, 821-4578.

WADING RIVER - 3-bdrm. ranch, 2 full baths, 1 acre, l/r, d/r, eik, den, 2-car gar., full bsmt., breezeway, new boiler & roof, more. Ext. 2214.

WADING RIVER - 2-bdrm. house, hardwood floors, new carpet, ceramic tile bathrm., bsmt., 2 decks, oak, kitchen, quiet dead end, walk to beach, state park, move in, \$104,000. Susan, 929-4563.