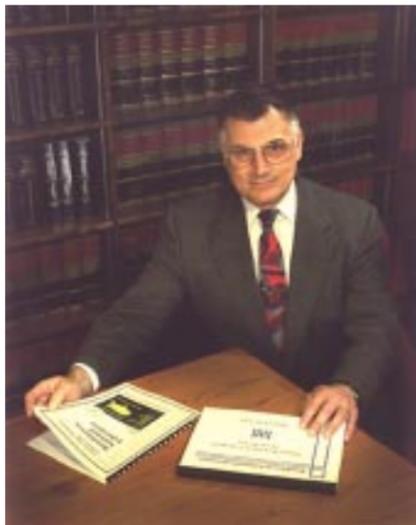


AUI Board Names Lyle Schwartz Interim Director of BNL; Bebon and Bond Appointed Lab's Interim Deputy Directors

During Monday morning meetings with Brookhaven employees and an afternoon conference with members of the media on April 28, Paul Martin, Chairman of the Board of Trustees of Associated Universities, Inc. (AUI), announced that AUI President Lyle Schwartz would become BNL's Interim Director, effective May 1. Schwartz will oversee the affairs of the Laboratory until a replacement is found for former Director Nicholas Samios, who returned to research on April 30 after 15 years at the Lab's helm.



Lyle Schwartz

Roger Stoutenburgh

Additionally, Peter Bond, Chairman of BNL's Physics Department, and Mike Bebon, BNL's Assistant Director for Management & Physical Plant, have been appointed Interim Deputy Directors. They will work with Schwartz as an integrated team to manage the Lab with an increased emphasis on environment, safety and health programs (ES&H). Bond will focus primarily on BNL's scientific programs, while Bebon will manage Laboratory operations, which includes ES&H programs.

Schwartz takes on the Interim Directorship at a time when the Laboratory is grappling with many ES&H issues: most immediately, the remediation of the tritium plume in the groundwater, believed to be emanating from a leak in the spent-fuel pool of the High Flux Beam Reactor.

"The Laboratory has an outstanding record of scientific accomplishment," Schwartz stated, "but it needs to be more aggressive in addressing environmental, safety and health issues. Although improvements in ES&H management have been made in recent years, Brookhaven has not done enough to win the public's trust. A complete change in culture is required to achieve fully integrated ES&H management, and I am deeply committed to starting this process."



Roger Stoutenburgh

Addressing an overflow audience in Berkner Hall last Monday are: (from left) Paul Martin, Chairman, AUI Board of Trustees; Lyle Schwartz, AUI President and BNL Interim Director; and BNL Interim Deputy Directors Mike Bebon and Peter Bond

The AUI Board continues an intensive search for the Laboratory's permanent director. The focus is on candidates with demonstrated leadership in scientific affairs, an awareness of and concern for environmental issues and public understanding of science, and the ability to work constructively and effectively with federal agencies

and local governments.

"BNL has a proud history of doing forefront science, and that will remain our mission, but the public has lost confidence in our ability to handle environmental, safety and health issues," commented Bond. "The only way to regain the public trust is to perform as well in these areas as we do in science."

Bebon said in agreement, "Environment, safety and health must be a principal focus for the Laboratory. We are committed to making the necessary changes to operate the Laboratory with utmost regard for the environment. We will seek increased participation of Laboratory staff, outside experts, regulatory agencies and the community in our planning for ES&H actions to be certain that we have all concerns and proposed solutions on the table. We want to continue an ongoing dialogue with our neighbors and regain their trust. We're proud to be a part of Long Island and look forward to continuing our positive contributions to the Long Island community."

BNL Meets The Interim Director

After a 10:30 a.m. meeting with department chairs and division heads, Paul Martin, who is also Dean of Engineering and Applied Sciences at (continued on page 2)

This Week's *TIME* Magazine Cover Story Focuses on Brookhaven's PET Research

The focus of the May 5th cover story of *TIME* magazine is the innovative work of a BNL interdepartmental research team and its collaborators who demonstrated the relationship between the euphoric effects of cocaine and the neurotransmitter dopamine, through the use of positron emission tomography (PET). The Lab's PET facility is part of the National Institute on Drug Abuse-Department of Energy Regional Neuroimaging Center at BNL (see box at right).

On the page 68 article entitled "The Chemistry of Addiction," *TIME* reporter Madeleine Nash asks, "Why do people get hooked?" Over the next six pages, Nash explains why: "The answer, many scientists are convinced, may be simpler than anyone has dared imagine. What ties all these mood-altering drugs together, they say, is a remarkable ability to elevate levels of a common substance in the brain called dopamine."

Doing the work associated with pleasure and elation, dopamine is a neurotransmitter that carries molecular messages from one neuron in the brain to the next.

The evidence that Nash first and foremost points to comes from work by a team of researchers led by Medical Department Chair Nora Volkow that was published as a letter in the journal *Nature* on April 24: "Relationship between subjective effects of cocaine and dopamine transporter occupancy." In that paper, the collaborators explain, "Cocaine is believed to work by blocking the dopamine transporter and thereby increasing the availability of free dopamine within the brain."

By using intravenous cocaine at doses commonly abused by humans, Volkow *et al.* used PET to demonstrate for the first time that those doses of cocaine cause the subjective cocaine euphoria or high by binding to the dopamine transporter, a molecule that helps to clear dopamine within the brain. Study participants were volunteers who are current cocaine users.

"In all, 17 users participated in the study," Nash writes, "... and they experienced a high whose intensity was directly related to how extensively cocaine tied up available binding sites on the molecules that transport dopamine around the brain. To produce any high at all, [Volkow] and her colleagues found that cocaine had to occupy at least 47% of these sites; the 'best' results occurred when it took over 60% to 80% of the sites, effectively preventing the transporters from latching onto dopamine and spiriting it out of circulation."



Roger Stoutenburgh

Research led by Nora Volkow, shown in the center of BNL's newest Positron Emission Tomograph, and Joanna Fowler (standing) is cited prominently in the cover story of this week's *TIME* magazine.

In reporting the scientific evidence linking dopamine to drug abuse, Nash cited the work of BNL's Joanna Fowler, Chemistry Department, and her collaborators linking cigarette smoking to another brain chemical: Smoking "may extend the activity of dopamine by blocking a mopping-up enzyme, called MAO B, that would otherwise destroy it."

With the establishment of the biological basis of drug addiction, Nash points out, effective medical treatment can begin to be developed to control, if not eliminate, the problem. As the *TIME* reporter quotes Volkow, "Addiction is a disorder of the brain no different from other forms of mental illness."
— Marsha Belford

Ribbon-Cutting To Mark Opening of Neuroimaging Center

All employees are invited to a reception and ribbon-cutting ceremony to be held on Tuesday, May 6, to celebrate the opening of the National Institute on Drug Abuse-Department of Energy Regional Neuroimaging Center at BNL.

The festivities will begin with a reception in the Chemistry Department lobby, Bldg. 555, from 10 to 11 a.m. The ribbon-cutting will follow on the lawn next to the PET facility, Bldg. 906, at the corner of Center Street and Cornell Avenue, from 11:15 a.m. to 12:15 p.m.

For more information, call Ext. 4397.

AUI Board Names Interim Director for BNL (cont'd.)

Harvard University, introduced the interim management team to the approximately 750 employees who had braved sheets of rain to attend the special meeting last Monday. Some 450 employees filled Berkner Hall auditorium, while about 300 more watched the proceedings via video in Rooms A, B and C.

In accepting the Interim Directorship, Schwartz declared that he was "proud and honored." Yet, he said, "I come to this interim position with no illusions about the difficult times that lie ahead. After the events of the last several months . . . only rapid and decisive action by AUI and the management team at Brookhaven can keep our position from deteriorating further. We must begin the long process of building public trust in the Laboratory and restoring BNL's reputation with government bodies and the Long Island community."

The AUI Trustees believe that firm actions and hard work will turn things around, Schwartz said. "We wish to move on to a time when the worth of BNL will once again be measured by our scientific and technological contributions to humankind. To achieve that end, the trustees are focusing on improved management in three time regimes," he said.

Marking the first, immediate regime were the interim appointments of Schwartz and his Deputy Directors, Bond and Bebon.

Lyle Schwartz stressed his determination that all three will work "as an integrated team to manage the Laboratory with a new emphasis on ES&H programs."

By relying on Bond's and Bebon's respective strengths in scientific and management areas, Schwartz will "use this opportunity for intense on-site education as a basis for developing my own strategy for management improvements in AUI and BNL, and acting as your spokesman and advocate with the Congress, the DOE and the local community."

Additionally, Schwartz stressed, "We'll be coupling our efforts with all who work at Brookhaven, and this includes the DOE staff in the Brookhaven Group, who have responsibility for the Laboratory. . . . I intend this interim management scheme to succeed. . . ."

Schwartz also stated that the interim management period "will last only as long as is necessary." The focus of the next, or intermediate time frame — the search for a permanent Director — is being conducted "with a great sense of urgency and intensity." It involves the Chair and Co-Chair of the Lab Advisory Committee, Department of Applied Science Chairman James Davenport and Samuel Aronson, Physics Department, respectively, as members of the Trustees' Search Committee to ensure BNL's direct participation. "Many strong candidates have already been contacted, and the Search Committee is optimistic about a rapid and successful conclusion of its labors," Schwartz said.

The three long-term goals that Schwartz has for BNL are, he said, "goals that are achievable, but only through intensive effort over some period of time. "First, BNL will continue to be known and appreciated for its scientific contributions," Schwartz said. "Second, BNL will become a leader in telling the story of its accomplishments and programs to the taxpaying public which finances our efforts; and, third, BNL will be recognized for its sensitivity to the environment and to the safety and health concerns of its employees and its neighbors."

Schwartz expressed his "full confidence that we can accomplish the first

two objectives, and, in doing so, build on the great legacy of our retiring Director, Nick Samios."

The third goal — "reachable by fully integrating ES&H management — will be a greater challenge, not because of lack of good intentions or technical skill, but because it will require a culture change," Schwartz said. While he was "impressed" with BNL's progress on the ES&H front, "there's much more to be done."

Recognizing that "other great laboratories and industries have undergone such dramatic cultural changes," Schwartz pointed out that BNL should profit from such successful experiences.

To begin the process of learning from others, Schwartz is assembling an external ES&H management improvement team, which will provide guidance on strengthening organizational and management structures required to achieve a change in culture at BNL. The task force will include representatives from DOE, other national laboratories and industrial research labs, all with recorded accomplishments in this area.

As resources, Schwartz continued, the ES&H team will rely upon two reports that were scheduled to be publicly released this week, one from the

Lyle Schwartz, AUI President, BNL Interim Director



Lyle Schwartz received a B.S. in science engineering and a Ph.D. in materials science from Northwestern University, in 1959 and 1964, respectively. Following a one-year postdoctoral appointment at the University of Paris, Orsay, and CEN, Saclay, France, he joined the staff of Northwestern University, becoming a professor of materials science & engineering and the Director of its Materials Research Center. He also served as a consultant to Argonne National Laboratory, 1965-70, and he was a visiting scientist at Bell Telephone Laboratories, 1972-73.

In 1984, Schwartz was named Director of the National Institute of Standards & Technology's (NIST) Materials Science & Engineering Laboratory, where his responsibilities included the management of the NIST nuclear research reactor. He left NIST to join AUI.

Schwartz has played a significant role in shaping governmental policies on materials-science issues. At the request of former President George Bush's Science Advisor, he led a multiagency program that identified and analyzed federal research in materials science and engineering, funded in the amount of \$2 billion.

He also chaired the multiagency Materials Technology Committee responsible for developing the materials agenda for federal government-industry programs supporting automotive, electronics, aeronautics, building-and-construction, and environmental research.

A member of the National Academy of Engineering, Schwartz's honors include the Presidential Rank of Meritorious Executive of the federal government's Senior Executive Service, the Department of Commerce Gold Medal Award, the National Materials Advancement Award of the Federation of Materials Societies, and the Leadership Award of the Minerals, Metals & Materials Society.



Mike Bebon, Interim Deputy Director, Laboratory Operations

Mike Bebon earned a bachelor of engineering degree from New York University in 1972, and, while serving in the U.S. Air Force, he received his MBA from the University of Utah in 1975.

As a New York State licensed professional engineer, Bebon worked for Brooklyn Union Gas Company, Long Island Lighting Company and Plum Island Animal Disease Center of the U.S. Department of Agriculture before coming to BNL in 1980 as a project engineer with DOE. After holding several positions in DOE and BNL, including that of Manager of BNL's Plant Engineering Division, 1989-91, Bebon has been the Lab's Assistant Director for Management & Physical Plant since 1994.



Peter Bond, Interim Deputy Director, Scientific Programs

After earning a B.A. in physics from Harvard University in 1962, Peter Bond received an M.S. in education in 1963. For a year, he taught high school mathematics, then earned his Ph.D. in physics from Case Western Reserve University in 1969. From 1969 to 1972, he was a research associate at Stanford University.

Bond joined BNL in 1972 as an assistant physicist, concentrating on basic research in nuclear physics. Named Senior Physicist in 1986, he has been Chairman of the Physics Department since 1987. Recently, he was made Deputy Director of the new RIKEN BNL Research Center funded by the Japanese Institute of Physical & Chemical Research, for physics research at BNL.

ES&H oversight team of DOE and the other, BNL's own analysis, produced by a committee chaired by Department of Advanced Technology Chair Robert Bari. Schwartz has studied both, he said, and he expected that "the team will find them extremely useful as jumping-off points."

Schwartz realized that "the team would also have to learn more about Brookhaven, what we do and how we work." To facilitate this process, he said, "Mike Bebon will be a full member of the task force. Mike's presence will also ensure that we can incorporate many recommendations as they are developed, rather than delay until a formal report is delivered."

Serving ex officio on the team will be Sue Davis, BNL Associate Director for Reactor, Safety & Security, to provide access to technical resources and

links to ongoing ES&H efforts; and Leland Willis, AUI Vice President for Environment, Safety & Health, to provide legal and regulatory input and to help define AUI's role.

Once the team has been assembled at BNL, Schwartz explained, work will be intense and will end within three months. "The product . . . will lead to the development of our own ES&H plan — one which will fully integrate ES&H into our culture. It is my clear intention to move aggressively to start the implementation process," he said.

Schwartz also commended the efforts that he has witnessed as BNL and DOE worked in partnership to wrestle with problems. "We'll need to nurture that partnership and expand it to enable the great accomplishments we all know lie ahead," he said.

In conclusion, referring to the Chi-

You've Got Questions, We've Got Answers

A "You've Got Questions, We've Got Answers" session open to all employees will be held on Thursday, May 8, at noon in Berkner Hall. The following will be there to answer questions about the tritium plume and other issues:

- **Mike Bebon**, Interim Deputy Director for Laboratory operations;
- **Peter Bond**, Interim Deputy Director for BNL's scientific programs;
- **Robert Casey**, Head of the Safety & Environmental Protection Division;
- **Sue Davis**, Associate Director for Reactor, Safety & Security;
- **Henry Grahn**, Associate Director for Administration;
- **William Gunther**, Manager, Office of Environmental Restoration;
- **Margaret Lynch**, Manager, Public Affairs Office;
- **Leland Willis**, Vice President, Environment, Safety & Health, AUI;
- **James Yeck**, Tritium Remediation Project Head, DOE's Brookhaven Group.

Wanted: Pre-1967 Lab Phone Books

As part of the site-wide review of Lab facilities, Telecom Services in the Computing & Communications Division is collecting for old BNL phone books. While it has copies of directories from 1967 to present, Telecom Services is looking for ones from before 1967. So, those BNL employees or retirees who have kept copies of pre-1967 Lab directories are asked to contact Cathy Lombardo, Telecom Services, Ext. 7099.

nese saying "A journey of a thousand miles begins with a single step," the Interim Director promised, "Today, I join you in taking that first step and give you my commitment to do all I can to make the journey a successful one." — Liz Seubert

Editor's Note: *Following these remarks, Schwartz, Martin, Bebon and Bond answered all questions posed at the meeting. Employees with additional questions may send them to the Public Affairs Office, Bldg. 134, and they will be forwarded to the appropriate person for response. Or employees can bring their concerns up at the "You've Got Questions, We've Got Answers" session scheduled for next Thursday (see notice above).*

BNL 50th Anniversary Celebration

Reminiscence Seminars Recall Cosmotron, AGS, Chemistry

Thirty-four BNL scientists — some retired, some still active, all with wonderful stories — will be participating in the Reminiscence Seminars scheduled for May 7, 9 and 13, in Berkner Hall, all starting at 2:30 p.m.

Part of BNL's golden anniversary celebration, the Reminiscence Seminars are being organized by Bernard Manowitz, Department of Applied Science, and will be moderated by BNL Historian Robert Crease.

The second seminar, on Friday, May 9, will have talks on "Early Physics: Cosmotron to AGS" and "Chemistry."

Speaking about early physics during the first segment will be the following:

• Ernest Courant

— A theoretical physicist, Courant will discuss theory and strong focusing, the principle that he, M. Stanley Livingston and Hartland Snyder discovered in 1952. Also known as alternating gradient focusing, this discovery made possible BNL's Alternating Gradient Synchrotron (AGS) and almost every major accelerator constructed or proposed since then. After 42 years at the Lab, Courant retired in 1990, becoming AUI Distinguished Scientist emeritus.



• George Collins

— As one of the earliest members of the Board of Trustees of Associated Universities, Inc. (AUI), serving from 1946 to 1950, Collins will talk about the Board of Trustees and program committees. He'll also speak about early physics, having come to BNL in 1950 to chair the Cosmotron Department. BNL's Cosmotron was the world's first accelerator to produce particles at energies in the billion electron volt, or GeV, region. Collins was at its helm in June 1952, when it started up, and in January 1953, when it reached its full design energy of 3.3 GeV. He retired from the Lab in 1971.



• John Blewett — A BNL physicist from 1947 to 1978, Blewett will speak about design, recalling his contributions to the designs of the Cosmotron

and the AGS. He also used his design expertise to become the first to apply the principle of strong focusing to a linear accelerator. In 1945, while working at General Electric Company, Blewett was part of a team that made the first indirect observation of synchrotron radiation, the light now used at, for instance, BNL's National Synchrotron Light Source.



• Irving Polk — A mechanical engineer at BNL from 1949 to 1984, Polk will discuss construction, drawing on his work on the Cosmotron's vacuum system; the electron analogue, a 45-foot model accelerator constructed at BNL in 1954 to demonstrate strong focusing; the linear accelerator injector for the AGS; and the Cosmotron's coil redesign, fabrication and installation.



• Ronald Rau — Having joined the Lab's Physics Department in 1956, Rau will concentrate on "later" physics, such as his involvement in the development and construction of hydrogen bubble chambers and their use in experiments at the Cosmotron and AGS. He'll also discuss Lab organization, an area he became familiar with as Chairman of Physics, 1966-70, and as Associate Director responsible for the Lab's high-energy physics research program, 1970-81. He retired in 1990.



• Maurice Goldhaber — Early physics will be the topic for Goldhaber, who came to BNL in 1959. The physicist's early research at the Lab included working with his wife, nuclear physicist Gertrude Scharff-Goldhaber, to demonstrate the identity of beta rays and atomic electrons, and collaborating with Lee Grodzins and Andy Sunyar to determine that neutrinos have negative helicity. Goldhaber went on to become BNL Director, 1961-73, and is now AUI Distinguished Scientist emeritus.



• Gerhardt Friedlander — Having joined BNL's Chemistry Department in 1948, Friedlander took part in several of the early experiments that he will talk about. His research at the Cosmotron and the AGS looked at the chemical effects of nuclear transformation, the properties of radioactive nuclei, nuclear reactions and the interactions between complex nuclei and high-energy bombarding particles. Friedlander, who served as Chemistry Chairman, 1968-77, retired from BNL in 1981.



The subject of chemistry will be covered by the following speakers:

• Jacob Bigeleisen — Isotopes, which occupied Bigeleisen's research attention while he was on the staff of the Chemistry Department from 1948 to 1968, will be the subject of his discussion at the seminar. In 1964, Bigeleisen won the E.O. Lawrence Award from the U.S. Department of Energy for outstanding theoretical contributions and experimental advances in the separation of isotopes.



• Lester Corliss — Corliss, who became a member of Chemistry's scientific staff in 1949, focused his research career on the study of magnetic structures, the field he will discuss at this seminar. He and his collaborator Julius Hastings, who will speak on May 7, performed the first experiment at the Brookhaven Graphite Research Reactor. Corliss retired from BNL in 1985.



• Raymond Davis — Radiochemistry, with an emphasis on astronomy, marked Davis's career at BNL, 1948-84. He'll talk about neutrinos, specifically his theory-shattering solar-neu-

trino experiment, a pioneering study he undertook in 1963, in a South Dakota gold mine, to detect and measure neutrinos from the sun.



• Lewis Friedman — Mass spectroscopy, a way of "photographing" the mass of a molecule and the masses of molecular pieces, was the focus of much of Friedman's research at BNL and will be the subject of his discussion. Friedman's 47 years at the Lab spanned from 1948 to 1996.



• Alfred Wolf — When Wolf joined the Chemistry Department in 1951, it was housed in several temporary structures. As a member of the building committee for the new Chemistry Building, Wolf will talk about the design of Bldg. 555, which was dedicated in 1966. He'll also focus on hot-atom chemistry, the nuclear medicine field in which he became a leader by developing methods for producing short-lived radioisotopes called radiotracers at very high specific activities — essential for conducting studies in the human body using the PET technique, or positron emission tomography, research that he continues today.



— Anita Cohen
Information about speakers and topics for the May 9 seminar appeared in last week's Brookhaven Bulletin; look for more about the May 13 seminar in the May 9 issue of the Bulletin.

Windows NT Users

The Windows NT Users Group will meet on Thursday, May 8, at 10 a.m. in the second-floor seminar room of the Computing & Communications Division, Bldg. 515. There, NFS issues will be presented by three members of the group. For more information, contact Ronnie Evans, Ext. 2851, or e-mail nt-support@bnl.gov.

Arrivals & Departures

Arrivals

None

Departures

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

- Valerie A. Curry.....Computing & Comm.
- Douglas J. Dittrich.....RHIC
- Marc E. Noens.....Safeguards & Sec.

Saturday, July 19 — Lab Picnic!

Come celebrate BNL's golden years on Saturday, July 19, the day of the Lab's 50th Anniversary Picnic. Watch — or join — the parade, and eat hamburgers, hot dogs, chicken, corn and cotton candy. There'll be soda, refreshments, dancing, relaxing, clowns, face painting — and more. To sign up for the Fun Olympics, complete the form below and send it to Liz Mogavero, Bldg. 510A. Only 200 participants can be accepted, so entries will be taken first come, first served. These oddball team sports make sure that only the *best of the craziest* win — so most BNLers do fine! Tickets are on sale now: adults, \$6; children, \$4. Buy them at the BERA Sales Office, or from Renée Flack, Bldg. 438; Liz Mogavero, Bldg. 510A; Rosalie Piccione, Bldg. 463; or Doris Terry, Bldg. 197C.

Fun Olympics Entry Form

Name _____

Department _____

Life/Guest No. _____

Bldg. & Ext. _____

(Employees, guests, retirees and spouses only.)

Returnees to Give Separate Seminars

Two of the scientists who are returning to BNL to participate in the Reminiscence Seminars will also be giving individual seminars of general interest while they are at Brookhaven:

- **Lyle Borst** will discuss "Pre-historic Mathematics," on Thursday, May 8, at 11 a.m., in the Hamilton Seminar Room, Bldg. 555, in a seminar sponsored jointly by the Departments of Advanced Technology and Applied Science.
- **Daniel Koshland** will speak about "Mechanisms of Memory From Bacteria to Neurons" in a Biology Department seminar on Tuesday, May 13, at 11 a.m. in the seminar room of Bldg. 463.

Another former BNLer, whose schedule does not permit him to participate in the Reminiscence Seminars, will deliver a Biology Department seminar on "Global Warming." **George Woodwell**, in whose Biology office the Environmental Defense Fund was founded in 1967, will speak on Monday, May 12, at 3:30 p.m. in the seminar room of Bldg. 463.

Pool, Gym Closings

The gymnasium and pool complex, Bldg. 478, will be closed on Saturday, May 3, for special maintenance. The pool will reopen on Sunday, May 4, from 1 to 5 p.m., while the gym will reopen on Monday.

BROOKHAVEN
BULLETIN

Published weekly
by the Public Affairs Office
for the employees of
BROOKHAVEN NATIONAL LABORATORY

ANITA COHEN, Editor
MARSHA BELFORD, Assistant Editor

Bldg. 134, P.O. Box 5000
Upton NY 11973-5000
Tel. (516) 344-2345; Fax (516) 344-3368

World Wide Web:
<http://www.pubaf.bnl.gov/bulletin.html>

The Brookhaven Bulletin is printed on paper containing at least 50 percent recycled materials, with 10 percent post-consumer waste. It can be recycled.

Equipment Demo

On Tuesday, May 6, from 10 a.m. to 2:30 p.m. in Berkner Hall, Jones & Auerbacher and the Automatic Switch Company will present several new products, including posi flow proportional solenoid valves, angle-body piston valves, gas valves and pressure-and-temperature switches.

Basketball

Championship Game 1 — April 17

PE Wolfpack 72		Magic 57	
Jim Desmond	18	Ray Jackson	12
Rob Singleton	16	Terry Buck	11
Wayne Cummings	15	Chris Ingoglia	8
Mike Fulkerson	10	Jerry Gaeta	7
Brian Hobson	7	Greg Mack	7
Charlie Edwards	3	Hector Machado	4
Jerry Hobson	3	Pete Ratzke	4
		Al Langhorn	2
		Mitch Williams	2

Three-point shots: Ingoglia (2), Cummings, Desmond, Gaeta, B. Hobson, J. Hobson.

Volleyball

Standings as of April 17

Open League - semifinals	League II - semifinals
Far Side 3 v. Pass, Set & Crush 1	Spiked Jello 3 v. Monday Nite Live 2
Shank, Carry & Throw 3 v. Death Volley 0	Lift Carry/Throw 3 v. Safe Sets 0
League I - champs	League III - finals
Bikers 'n Spikers	Silver Bullets 3 v. Group Sets 2

Standings as of April 22

Open League - finals	League II - finals
Far Side 3 v. Shank, Carry & Throw 1	Spiked Jello 3 v. Lift Carry/Throw 1
League I - champs	League III - champs
Bikers 'n Spikers	Silver Bullets

Volleyball Captains Meet

The end-of-the-season Volleyball League captains' meeting will be held on Wednesday, May 7, at noon in Berkner Hall, where next season's officers will be elected. Before that meeting, submit nominations for Volleyball officers to Rick Wagner, Ext. 5886, or e-mail wagener@bnl.gov.

Classified Advertisements

Placement Notices

The Laboratory's placement policy is to select the best-qualified candidate for an available position. Candidates are considered 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, disability or veteran status.

Each week, the Human Resources Division lists new placement notices, first, so employees may request consideration for themselves, and, second, for 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; call the JOBLINE, Ext. 7744 (344-7744), for a complete list of all job openings; use a TDD system to access job information by calling (516) 344-6018; or access current job openings on the World Wide Web at <http://www.bnl.gov/JOBS/jobs.html>.

SCIENTIFIC RECRUITMENT - Doctorate usually required. Candidates may apply directly to the department representative named.

RESEARCH FELLOW - Physician with surgical skills and experience in neurological disorders. Knowledge of neuroanatomy and cerebrovascular physiology is required. Will join the Imaging Group to work on evaluating the effects of drug and environmental interventions on the function of blood brain barriers. The work will involve use of the PET and MRI facilities. Contact: Nora Volkow, Medical Department.

OPEN RECRUITMENT - Opportunities for Laboratory employees and outside candidates.

DD 3114. DESIGNER POSITION - (term appointment) Requires extensive experience and familiarity with the NEC and electrical power equipment (120 V to 13.8 kV). Must be capable of taking information from engineering sketches and creating finished construction drawings, including cable, conduit and tray layouts complete with sizes and ratings, cable schedules and construction details. Additional duties include preparation of construction-specification documents, and estimates and takeoff for engineering review. RHIC Project.

☆☆☆☆☆ Five-Star Music & Entertainment!

BUY YOUR USO DINNER-DANCE & SHOW TICKETS BY NOON, WEDNESDAY, MAY 7

The deadline is noon on Wednesday, May 7, for buying tickets to The Last Official USO Dinner-Dance & Show at Camp Upton on Friday, May 9 — so don't miss this golden opportunity to celebrate the Lab's 50th anniversary in style.

During this historic event, BNL employees, retirees, guests and their friends will enjoy:

★a delicious **three-course buffet dinner** under a tent on the patio;

★**five hours of dancing** to both DJ Ed Taylor's R&B and pop-dance music in the South Room *and* **big band ballroom, Latin and swing by the 18-piece Big Band East** in the North Ballroom;

★a standing-room-only, **40s-style dance show** featuring the **Big Apple Lindy Hoppers** of New York City, the **Dance Magic Dancers** of Smithtown, and **Patti's Swing Kids** of Bellport, with **stage-setting narration by the Lab's own historian, Bob Crease;**

★a chance at thematic **door prizes** and World War II **best costume prizes;**

★a chance to **make a donation to the United Services Organization (USO)** and, as a result, to **win one of the large American flags** on display that night, which were **flown over the U.S. Capitol** on March 21, 1997, BNL's 50th anniversary;

★a display of **Camp Upton memorabilia** in the lobby;

★and a **cash bar**.

Tickets are \$25 each, in checks payable to the BNL Dance Club. During the evening, you may go freely from one dance room to another, so buy your tickets for your favorite dance spot. For DJ dancing tickets, contact: April Donegain, Ext. 2459, Bldg. 134; Patti Bender, Ext. 3145, Bldg. 134; Charles Gardner, Ext. 5214, Bldg. 911; Rosemary Taylor, Ext. 3251, Bldg. 535; or Nedy Santiago, Ext. 3402, Bldg. 197. For ballroom dancing tickets, contact: Rudy Alforque, Ext. 4733, Bldg. 817; Nelson Cause, Ext. 5354, Bldg. 134; Harold Kirk, Ext. 3780, Bldg. 901; Don Litcher, Ext. 7587, Bldg. 515; or Dick Savage, Ext. 4640, Bldg. 120.

Healthline Lecture

Grilling With Mediterranean Flair

To learn how to prepare foods for grilling that are delicious *and* healthy, attend the next Healthline lecture sponsored by the Health Promotion Program (HPP) of the Occupational Medicine Clinic. "Summer Grilling With a Mediterranean Flair" will be presented by registered dietitian Marlisa Brown on Thursday, May 8, from noon to 1 p.m. in the South Dining Room of the Brookhaven Center. There, she will demonstrate citrus-based marinade preparation and grilling techniques involving fruits, vegetables and kabob combinations — which will then be enjoyed for lunch.

To cover costs, the fee is \$6 per person, with participation limited to 60. To register, return the completed lower part of the Healthline flyer sent to all employees to Mary Wood, Bldg. 490, by Monday, May 5. For more information, call Ext. 5923.

Bowling

Results from week of April 14

Red and Green League

R. Larsen 236/214/202/652 scratch series, J. LaBounty 216/215/609 scratch, K. Asselta 216/211, R. Mulderig Sr. 237, D. Fisher 233/601 scratch, O. Mirjah 233, J. Goode 220, R. Prwivo 218/602 scratch, N. Bessemer 215, J. Cuccia Sr. 213, R. Mulderig, Jr. 213, G. Weresnick 213, J. Griffin 209, T. Prach 206, G. Mack 205, E. Meier 204, J. Mayeski 202, K. Koebel 201, A. Pinelli 200.

Purple and White League

J. Zebuda 244/236/232/712 scratch series, R. Raynis 241/235/231/707 scratch, S. Frei 242/204/182/628 scratch, G. Mehl 247/181/618 scratch, Doug Fisher 214/200/605 scratch, E. Sperry IV 248/201, Wayne R. 224/183, J. Addressi 200/193, P. Callegari 223, M. Meier 215, K. Hogan 208, D. Riley 204, R. Vega 199, M. DiMaiuta 199/177, D. Botts 185/177, R. Picnich 194, L. Hermes 190, P. Oster 188, N. Fewell 185, G. Riker 170, P. Manzella converted the 6/7/9/10 split, E. Sperry IV 6/7 split.

Scotch Doubles Winners

First: Bob & Sue Geib/866

Second: M. Cataldo & Scott Serpe/856

Third: Mary and John Addressi/839

High Scratch Game: Linda & Ron Mulderig/206

High Gross Game: Liz & Vinny Gallo/260

High Gross Series: Donna & Mike Meier/794

Incentive Award: Evette & Ralph/572.