



DOE Selects Stony Brook-Battelle As BNL's Next Contractor; John Marburger to Be BNL's New Director

Roger Stoutenburgh

John Marburger and Martha Krebs shake on DOE's announcement that Brookhaven Science Associates will be BNL's next contractor.

"After careful evaluation of proposals from two highly qualified teams, the Department of Energy [DOE] has selected Brookhaven Science Associates [BSA], a team composed of the State University of New York at Stony Brook [USB] and the Battelle Memorial Institute, to be the new contractor for the Brookhaven National Laboratory."

With those words, spoken by DOE's Office of Energy Research Director Martha Krebs on November 25 at a 10:30 a.m. Berkner Hall media conference, nearly eight months of suspense were officially ended for Lab employees, their Long Island neighbors and the world's scientific community.

With the selection process completed within a record six months, DOE is hoping to restore as soon as possible "the balance" at Brookhaven among excellent science, environmentally conscious operations and sound community relations, commented Krebs.

BSA is a limited-liability company involving the Research Foundation of the State University of New York acting for USB, and the Battelle Memorial Institute, Inc. BNL's new contrac-

tor has 16 directors on its board, five each from Battelle and Stony Brook, and one each from Columbia, Cornell, Harvard, Princeton and Yale Universities and the Massachusetts Institute of Technology, which are the institutions annually sending the largest number of facility users to BNL.

To undertake specialized operations at BNL, BSA has subcontracted with Bechtel International for environmental-restoration services, Waste Management Federal Services to handle

and dispose of waste, and Duke Engineering Services to handle reactor operations for the Brookhaven Medical Research Reactor and, in the event of its restart, the High Flux Beam Reactor.

While the winner of the BNL contract was announced last Thursday, the five-year contract with DOE to operate BNL cannot be awarded until early January 1998, due to a new law requiring that Congress receive a 60-day notice before DOE can award cer-

tain contracts. Since DOE limited the competition for BNL's contract to non-profit organizations or teams led by nonprofits, Congressional notification is required (see Brookhaven Bulletin of November 7, 1997).

BSA will assume full responsibility for the Lab's operations and its annual budget of about \$400 million following a 60-day transition which begins after the contract is awarded. Until then, Associated Universities, Inc., the contractor that had founded BNL 50 years ago and operated the Lab without interruption until DOE Secretary Federico Peña terminated its contract on May 1 (see Brookhaven Bulletin of May 9, 1997), will manage the Lab for DOE.

While Peña was not present during Thursday's announcement, Krebs read a statement from the Energy Secretary in which he noted that he was "pleased to help introduce Brookhaven Science Associates to Long Island citizens and Brookhaven employees."

The Energy Secretary continued, "The team members have demonstrated leadership at their institutions, and I will look to them to fully inte-

(continued on page 3)

Marburger States Support for HFBR Process, BMRR Operations

When asked by the press, "Is it your intention to restart the High Flux Beam Reactor [HFBR]," BNL's next Director, John Marburger, responded:

"The question of the restart of the High Flux Beam Reactor is one [for] which the Department of Energy has already laid out a process. We are certainly committed to that process and to the objective studies that are required to be made before that process can be completed. In fact, one of our requirements under the new contract is to perform studies that will feed into the decision-making on the HFBR restart, and we will perform those studies and carry them out.

"One of the characteristics of science is that you try to get all the facts in before you make a definite decision. I believe that there are facts that we need to understand before that decision is made. That is why the process was set up in the first place.

"For me to stand up here [at the podium in front of the press] and say, 'Yes, I believe in this or that,' simply doesn't make sense from a scientific point of view. So I think that this decision has to be made rationally and with full input. And the [Energy] Secretary has made it possible for the community to have input into this decision as well. So he will have all the facts available to him before he makes that decision."

When asked what BSA's intentions are with regard to the operation of the Brookhaven Medical Research Reactor (BMRR), Marburger stated:

"The Brookhaven Medical Research Reactor is currently used for a number of important research functions, and we plan to continue to operate that reactor to perform its functions in a manner that is safe and that has no adverse impact on the environment. We are determined to do that, and we have the expertise and the people to make that happen. There is absolutely no reason why that reactor cannot be operated under its current program without any trace of an adverse environmental impact."



Roger Stoutenburgh

BSA Chair Shirley Strum Kenny



Roger Stoutenburgh

BSA Vice Chair Douglas Olesen

Employees Introduced to BSA Philosophy, Directorate

In a filled Berkner auditorium meeting immediately following the November 25 press conference at which the Lab's new contractor was announced (see story on page 1), employees were introduced to most of those who will head the Lab's new organization, when, in early January, Brookhaven Science Associates (BSA) becomes BNL's management and operating contractor for the U.S. Department of Energy (DOE).

While most faces were new, some were familiar and others were well known: Introducing themselves first were BSA Board Chair Shirley Strum Kenny, President of the State University of New York at Stony Brook (USB); Vice Chair Douglas Olesen, Battelle Memorial Institute's Chief Executive Officer; and BNL's soon-to-be Director John Marburger, a physicist and USB's former president.

Marburger, in turn, presented his two deputy directors: Peter Paul, a nuclear physicist and the Chairman of USB's Department of Physics, who will be the Deputy Director for Science & Technology; and, as the Deputy Director for Operations, Thomas Sheridan, who holds an M.S. in operations research from the U.S. Navy's postgraduate school, and who formerly worked for Battelle at Pacific Northwest National Laboratory (PNNL) and for DOE's Richland Washington Operations Office.

As the new Laboratory Director explained, eight "level-one" associate directors for science and assistant directors for support functions, plus a legal counsel, will report to him.

Those already known to the Laboratory community are: Tom Kirk, who continues as Associate Director for High Energy & Nuclear Physics; Denis McWhan, who remains Associate Director for Basic Energy Sciences; Richard Setlow, who stays Associate Director for Life Sciences; Mike Bebon, now Interim Deputy Director, who becomes the Assistant Director for Operations; and Marge Lynch, now Manager of the Public Affairs Office, who will be Assistant Director for Community Involvement & Public Affairs.

New are: the Associate Director for Applied Science & Technology, Adrian Roberts, a metallurgist who formerly directed PNNL's economic development office and was PNNL's deputy director of research; the Assistant Director for Environment, Safety & Health (ES&H) and Quality, Kenneth Brog, a physicist who formerly served as a Battelle corporate vice president for ES&H and PNNL's ES&H director; the Assistant Director for Environmental Management, Michael Schlender, who holds an M.S. in chemistry/environmental science and was a former Battelle environmental-restoration project manager; and General Counsel Gregory Fess, an attorney who was Battelle's legal advisor on nuclear and environmental compliance programs at PNNL.

Before introducing the new directorate, however, Marburger "extended heartfelt thanks" to Peter Bond, BNL's Interim Director, for making "my job much easier though I haven't even started yet" — thanks for a job well done during a difficult time in the Lab's history. Marburger's sentiments were reiterated by the audience through its sustained applause.

When asked, Marburger informed the audience that Bond's future role was as yet unknown, but was to be the subject of the next morning's breakfast conversation between the new and interim directors.

'People-Oriented Philosophy'

After presenting "the people who are going to help you do [your jobs],"



Roger Stoutenburgh

Marburger outlined BSA's management philosophy: "We strongly believe that the success of the Laboratory and the [likelihood] of our achieving our goals depends upon individuals. It is a people-oriented philosophy: We want to make it possible for everyone to do their jobs well. When we do that, we will succeed, and I am optimistic about the future of the Lab."

Marburger added that he "welcomes the opportunity to guide the Lab . . . into a new way of doing things that better fits the kind of world that we are living in today."

He explained: "The objectives of science for this nation are different than they were, the manner of funding science is different from what it was, and the way science is done — in an atmosphere of public scrutiny and public interest — is different than it was when this Lab began 50 years ago."

"The science that has been produced by Brookhaven National Laboratory has been so basic and so valu-

able to the nation's prowess in scientific matters, especially physics, that that very excellence has sheltered the Laboratory from the . . . new era, the new public scrutiny, the new procedures. Well, the time has come for us to experience the new ways, and they are not very different from the ways that we acted before," observed the next Director.

He continued, "The kind of attention to detail, the need to know within context, the . . . hunger for being the best that drives good science can also be captured to drive good operations. . . . The elements of caring, of intelligence and of the desire to be the best that already exist here at Brookhaven . . . [can] drive a future that is every bit as glorious as the past."

The future Director added, "Community . . . criticism and press exposure and even the chaos of politics and large bureaucracies — these are almost incidental to the power that exists within [this community]. . . . [What]

I look forward to most is helping to release that power and resume the momentum that this Lab has to achieve a glorious scientific destiny.

"Science is, after all, the product, and what we are here to deliver is the best possible science, but . . . in the context of environmental consciousness and full interaction with our communities who really need to know what we are doing and how we are going about doing it. . . . [A]nd we need for them to understand us better, so we can get the support to do what needs to be done."

So, Marburger concluded, "Community involvement, environmental health and safety [which] were less important in the first 50 years are going to be just as important as the science, and it is possible to give these things the kind of attention that they deserve and need without diminishing the quality of the science."

Employee Questions Answered

Marburger acknowledged, in answer to the first employee question, that all the changes in management and philosophy that BSA will bring to BNL "will not be apparent in a day." In asking for employees' patience, Marburger also requested their cooperation, as "it can't be us versus them anymore."

As the new contractor works to resolve the Lab's management problems, "there will be a lot of interviews, a lot of job description rewrites," explained Marburger, involving and empowering employees in the process.

Questions were asked about BSA's fee and the costs associated with the transition between contractors. According to Marburger, the increase in fee is justified because BSA has to make Brookhaven "more competitive, more efficient and more effective" and it "must inspire confidence."

And, since the transition has to be paid for out of available money, the financial "reality" is a difficult one, acknowledged Marburger. He promised, "We are going to make it work as best we can and protect programmatic funding as much as possible."

Two questions were asked regarding whether or not the tenure system for scientists would remain in place, and both questioners and scientific staff were reassured that it would.

In response to another question, Marburger explained that employees will all receive their paychecks from BSA, though the new contractor will employ three subcontractors to manage certain operations.

— Marsha Belford

John Marburger III, BNL's Next Director

John Marburger III, BNL's next Director, earned his 1967 Ph.D. in applied physics at Stanford University and embarked first on a research and teaching career focused on laser phenomena and nonlinear optics, and then on an administrative career focused on linking basic research to the needs of society.

After working at Goddard Space Flight Center 1962-63 and summers while at Stanford, he moved in 1966 to the University of Southern California (USC), where he helped to establish a Center for Laser Studies to link basic research to Southern California's technology-based industry.

Later, as Dean of USC's College of Letters, Arts & Sciences, 1976-1980, Marburger found a new way to communicate the importance of basic science through a CBS-produced educational television series entitled "Frontiers of Electronics." The success of this and other ventures led eventually to his accepting the invitation to become president of the State University of New York at Stony Brook (USB) in 1980.

During 14 years at USB, Marburger led the growth of the federally sponsored research program, resulting in USB's recognition in 1987 as a Research I University by the Carnegie Foundation and the tripling of research expenditures. Milestones included state designation of USB as a Center for Advanced Technology in Biotechnology, federal designation of USB as a Science & Technology Center in High-Pressure Research, endowment of the Staller Center for the Arts, and creation of the Long Island State Veterans' Nursing Home on campus.

Under Marburger's leadership, USB's infrastructure was expanded and rehabilitated, while he worked to increase community support by serving as chairman of various governmental commissions. These included a gubernatorial commission to evaluate the New York State Energy Office and a commission to explore the financial future of Suffolk County. For then Governor Mario Cuomo, Marburger chaired a fact-finding panel on the Shoreham nuclear power plant, and, from 1988 to 1993, he chaired the Universities Research Association (URA), which operates Fermi National Accelerator Laboratory for the U.S. Department of Energy, remaining a board member until 1995. Marburger also assisted URA in establishing a new corporate structure to accommodate the Superconducting Super Collider design project.

Other highlights of Marburger's contribution to the Long Island community include his decade of work to establish what has become the Long Island High-Technology Incubator Corporation, a facility to link new businesses to USB's scientific strength. He also worked to create a broader technology-transfer entity now known as the Long Island Research Institute, which realizes one of his early goals: To link USB, BNL and Cold Spring Harbor Laboratory to regional economic development.

— Liz Seubert

BNLers React to DOE's Selection of BSA

Reactions from those present at the employee meeting with Brookhaven Science Associates included:

• **Joseph Buscemi**, Plant Engineering Division and Local 2230, International Brotherhood of Electrical Workers (IBEW): "From the track record of both institutions making up BSA and what has been said today, I am very confident that we can work well with them in the future."

• **Graham Campbell**, Computing & Communications Division retiree and Brookhaven Retired Employees Association: "Having Stony Brook and Battelle as the new contractor is a positive outcome of recent events. Stony Brook's sponsorship will increase the stature of BNL, both scientifically and in the local community."

• **Earnest Courant**, Relativistic Heavy Ion Collider Project: "I am pleased at the way the decision has come out, although not that the whole situation had occurred. I know both Jack Marburger and Peter Paul personally and have a good opinion of them: They are very capable."

• **Stephen Dewey**, Chemistry Department: "I am extremely pleased at the selection of BSA. They have big shoes to fill as AUI leaves Long Island. However, Stony Brook and Battelle are a strong and diversified team dedicated to BNL's long-standing mission. I believe that this new relationship represents a win-win scenario for BNL employees, BNL facility users, and Suffolk County and its populace."

• **Gary Gross**, Safeguards & Security Division: "I have a good first impression of the new team — their enthusiasm and general plan seemed like a shot of adrenaline to revitalize the Lab and get us back on track with a

chance for a fresh start."

• **Doan Hansen**, Safety & Environmental Protection Division: "I'm looking forward to a new and exciting era at BNL, which promises awareness of the Lab's scientific commitment and its supportive and interactive role with the environment and the community."

• **Charles LaSalla**, Safety & Environmental Protection Division: "The BSA team looked like a strong combination. I believe that the combination of BNL and Stony Brook will strengthen both local institutions."

• **Susan Perino**, Financial Services Division: "John Marburger is going to be excellent. He looked as if he will provide solid and responsive leadership and be able to represent BNL to DOE, the community, the media and other outside parties. I was disappointed that I learned about the decision first in the paper, but, ultimately, I was impressed by the new team."

• **Phil Pizzo**, Plant Engineering Division and Local 2230, IBEW: "I was glad to see that DOE recognized the importance of awarding the contract to an organization that has a vested interest in Long Island."

• **Michele Rabatin**, Department of Advanced Technology: "The new man-

agement partnership gave a good first impression. I think they will do well in strengthening the Lab's position on Long Island."

• **Bob Rooks**, Reactor Division: "After attending the meeting and listening to the new Director and the BSA team, it sounds as if we can expect a fair and rational decision-making process on the future of the HFBR."

• **John Shanklin**, Biology Department and Friends of Brookhaven, Inc.: "Stony Brook-Battelle is clearly a strong scientific team. Selecting Stony Brook, a respected member of the Long Island community, to manage BNL will add to current efforts to rebuild trust with our neighbors. I'm confident that the Stony Brook-Battelle-BNL partnership will be successful."

• **Stephen Schwartz**, Department of Applied Science and Brookhaven Scientists Association: "We were very pleased by what we heard today. We look forward to working with our new contractors. It was a real pleasure to see the enthusiasm and optimism of the new team."

• **Larry Toler**, Physics Department: "My reaction is positive. There'll be some hard times, but, in the long run, it'll be good for the Laboratory."

BSA Selection (cont'd.)

grate safety and environmental protection into scientific research, to accelerate and intensify recent efforts to rebuild community trust, and to achieve overall excellence. Working together, we will make it possible for the Laboratory to carry out its mission as a world-class research facility and prove itself a good neighbor to Suffolk County and Long Island."

DOE's selection of BSA over its sole competitor, IITRI Brookhaven, which is a nonprofit entity of the Illinois Institute of Technology Research Institute (IITRI) which had teamed with Westinghouse Corporation, was based "on [BSA's] clear superiority compared to IITRI in the area of scientific and technological programs," according to DOE source selection official Franklin Peters.

This was, noted Peters, "coupled with the BSA team's excellent demonstrated record of success in the areas of environment, safety and health, operations and environmental management, and community involvement; BSA's proposed management approaches . . . ; and the outstanding qualifications of BSA's proposed key management personnel, including the proposed Laboratory director."

BSA's President and the Lab's next Director was introduced as John Marburger III, a USB physicist who, for 14 years, had been USB President (see story on page 2). The current USB President, Shirley Strum Kenny, met the press as the first Chair of BSA's Board of Directors, and Battelle's Chief Executive Officer Douglas Olesen was introduced as the Board's vice chair and, after two years, its next president (both are pictured on page one).

Brookhaven's New Leadership

"We are excited about the future, and we feel that what we and what our collaborator Battelle bring to the table [is the] kind of leadership that Brookhaven and all of us are looking for," stated Kenny, USB President since 1994.

Celebrating its 40th year this year, Stony Brook is a nationally ranked degree-granting and research university, with several colleges, professional schools, and research and medical centers; more than 10,000 employees, 1,500 faculty members and 18,000 students; and its own 500-bed teaching

hospital, all on a 1,100-acre campus.

USB is the largest academic institutional user of BNL facilities and, as a result of its proximity and size, is linked with many BNL research programs.

The BSA Chair continued, "Our university is in the Town of Brookhaven, most of us live in the Town of Brookhaven, [and] we raise our children here. So not only is the science, but also the environment in which we raise our children terribly important to us. We are the neighbors of the people who work at Brookhaven, and we are the neighbors of the people who are most concerned about the environment. Together, we believe that we can bring an understanding of the community and the scientific issues and a total commitment to the safety, environmental protection and health issues that will be essential to the future of Brookhaven National Laboratory."

Introduced by Kenny, Olesen commented that Battelle was "extremely pleased" to be part of the team that was selected. "We have always viewed Brookhaven National Laboratory as an exciting cutting-edge scientific institution, and it is our intent to do everything that we can to continue to build on that excellent scientific reputation."

Headquartered since 1929 in Columbus, Ohio, and employing a staff of 7,500 worldwide, Battelle Memorial Institute works with government and industry to develop new technologies and products — work which results in up to 100 patented inventions each year and a business volume of nearly \$1 billion a year. Since 1965, Battelle has managed the Pacific Northwest National Laboratory for DOE.

What BSA brings to the table, Olsen explained, are four elements: first, a new leadership team made up of managers from Stony Brook and Battelle, as well as "key incumbents"; second, "a continuation of the cutting-edge science"; third, "a strong focus on environment, safety and health, and a new disciple in [their] management"; and "finally, a strong commitment to building a solid and productive relationship with the community, [so] we can work together to build this institution."

Reestablishing Trust, Confidence

In his first public remarks as the

Coming Up

Klaus Kinder-Geiger, an associate physicist in the Physics Department, will talk on the theory underlying BNL's Relativistic Heavy Ion Collider at the next Brookhaven Lecture, on Wednesday, December 17, at 4 p.m., in Berkner Hall.

Outreach Workshop

Taking Control During Organizational Change

To help BNLers cope during the upcoming transition between contractors, "Organizational Cultures: Creating Control During Uncertain Times" will be discussed by clinical psychologist Diana Richman, on Tuesday, December 9, from noon to 1 p.m. in Berkner Hall. Sponsored by the Employee Assistance Program (EAP) of the Occupational Medicine Clinic, this lecture is open to all BNLers. To register, complete and return the bottom portion of the Outreach flyer recently sent to all employees to EAP Staff Psychologist Dianne Polowczyk by Monday, December 8.

Lab's next Director, Marburger reiterated Peña's emphasis on the importance of reestablishing the surrounding community's trust and confidence in the Laboratory through a demonstrated concern for environmental protection, worker safety and public health.

"We believe that it is possible to continue to do the excellent science for which Brookhaven has been renowned for 50 years in a completely environmentally benign manner," he stated.

Marburger elaborated, "There is no reason that the facilities should not be operated and could not be operated without . . . adverse impact on the environment. We are committed to putting into place the management tools and practices to ensure that this happens in the future. There is simply no contradiction between the kind of excellent science done here and the clean environment that we are dedicated to seeing. . . . We believe that . . . we can restore the pristine character of the site, including contamination due to prior operators. One of my visions is that we leave it as a clean site, but that can't happen without additional support from the community as well as the Department of Energy."

As he had learned while at USB, Marburger said, "We cannot operate a public facility without public support. . . . I am dedicated to the notion that this Lab belongs to the people in a very important sense, and we'd like you to be able to know more about what we are doing here so you can take the kind of pride in it that we do."

So, when asked what his number-one job at Brookhaven will be, Marburger replied "reaching out and restoring ties to the communities."

The next Director added, "To be sure, science is the most important product of BNL, and, unless the science is excellent, it is not worth supporting. So we need to create an environment here that is attractive to scientists who make BNL a world-renowned institution."

As part of its approach to doing this, BSA has retained the existing tenure system for scientists, a point discussed during an 11:30 a.m. Berkner auditorium meeting with employees (see story on page 2), as well as the current salary structure and benefits packages for all employees.

— Marsha Belford

Book Fair Today

If you haven't been to the BERA Book Fair in Berkner Hall, drop by for its last day, today, Friday, December 5, from 10 a.m. to 3 p.m.

With books ranging from children's stories to cookbooks to *The New York Times* bestsellers, there is something for every reader on your holiday list. Some gift items will also be available.

For more information, call Andrea Dehler, Ext. 3347, or M. Kay Dellimore, Ext. 2873.

Arrivals & Departures

Arrivals

Lenny J. Campione.....RHIC
Richard A. Przybylinski.....RHIC
Jullie W. Pan.....Medical
Roger C. Lee.....RHIC
Fred J. Benjamin.....Financial Services

Departures

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

Michael A. Bender.....Medical
Dion G. Durnford.....Applied Science
Jeremy T. Medalle.....Biology

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HFBR EIS Public Meeting on 12/10

On Wednesday, December 10, the U.S. Department of Energy (DOE) will hold the first of two meetings to solicit public comment on the scope and content of the Environmental Impact Statement (EIS) that it is preparing for BNL's High Flux Beam Reactor (HFBR).

The meeting will be held at the Mastic Beach Property Owners Association, 31 Neighborhood Road, Mastic Beach, from 4 to 9 p.m. that day. All are invited, and requests to speak at the meeting can be made to Michael Holland, DOE Brookhaven Group, Ext. 3552, fax Ext. 1377, or e-mail mholland@bnl.gov.

Under the National Environmental Policy Act, an EIS is a comprehensive evaluation of the effect that major governmental programs or projects, such as the HFBR, have on the environment. Following DOE's decision to undertake an EIS for the HFBR as part of the HFBR restart-consideration process initiated by Energy Secretary Federico Peña, the DOE also was directed by Congress in its fiscal year 1998 Energy & Water Development Appropriations Act report to do an EIS for the HFBR.

As the first step in the six-step EIS process, DOE publically announced on November 20 its intent to under-

take an EIS.

"An environmental impact statement will provide a thorough assessment of environmental and public health effects of the different alternatives for the future of the HFBR, which has been a valuable U.S. scientific research facility for many years," noted Peña in DOE's November 20 press release.

As a second step, to solicit public comment on the EIS's scope and content by January 23, DOE is holding the December 10 meeting and another one in January 1998. In addition to being used to help define the EIS's scope and content, the public comments will be forwarded to Peña, to be factored into his decision on the possible future for the reactor. His decision is now expected in the first quarter of 1998.

As Peña explained, "Most importantly, this process will include public meetings and comment periods so that the local community and anyone who is interested has the opportunity to express their views on this important decision."

Using this input, the EIS will then be written as step three, and a draft is to be released in summer 1998 for additional public comment. The final EIS is expected in November 1998, after what is called a record of decision is to be made that December.

In the HFBR's EIS, the environmental impact and public health effects of the HFBR will be assessed under four different scenarios: one, the permanent shutdown of the reactor; two, resumption of operations; three, resumption of operations with an upgrade to the reactor; or, four, taking no action, but keeping the reactor shut down and defueled.

The HFBR is an internationally renowned research reactor that had used by scientists worldwide for ground breaking research in the fields of physics, materials science, structural biology, medicine and chemistry before it

BGRR Duct Water Pumping Begins

On December 1, the Hazardous Waste Management (HWM) Group of the Safety & Environmental Protection (SEP) Division started pumping out some 60,000 gallons of contaminated water that had accumulated over the years in a 36-foot-deep underground concrete-enclosed steel air duct. The duct had been used to convey the air that cooled the Brookhaven Graphite Research Reactor (BGRR) when it was operational, 1950-1968, (see Brookhaven Bulletin of October 10, 1997).

During the approximately two-month process, the air-duct water is being pumped into a 6,500-gallon, stainless steel tanker, which then transfers its contents to double-containment storage tanks located in a paved area at the new Hazardous Waste Management Facility, Bldg. 855. From these tanks, the water will be processed on site or shipped to a disposal facility in Hanford, Washington.

The pumping procedure and use of these specific tanker and tanks have been reviewed by Suffolk County Department of Health Services (SCDHS), the U.S. Environmental Protection Agency (EPA) and the U.S. Department of Energy (DOE). Approval for on site storage has been granted by SCDHS.

The standing water in the duct was discovered on September 15 during the site-wide Facility Review, which was begun last April to determine if any additional environmental vulnerabilities existed from current or past Laboratory activities (see Brookhaven Bulletin, April 18, 1997). The water is believed to have originated primarily from the BGRR's cooling coils and/or rainwater intrusion.

Analyses have shown that the air-duct water contains americium, cesium, plutonium, strontium, tritium and uranium (see Brookhaven Bulletin of October 31, 1997). However, radiation measurements show that the water, whether underground in the duct or while it is being pumped, has not been and is not a health or safety hazard to BNL workers or to members of the public.

Working with the HWM pumping team are members of SEP's Facilities Support Group, which is overseeing the health and safety of the workers involved and ensuring environmental compliance.

Said HWM Operations Supervisor Alan MacIntyre, leader of the pumping team, "The removal effort has been speeded up by the excellent cooperation of everyone concerned. This includes not only help from SEP, groups, but also assistance from members of BNL's Reactor Division, the Plant Engineering Division and the Office of Environmental Restoration, as well as DOE, EPA and SCDHS."

— Liz Seubert

Computing Corner

The Computing & Communications Division (CCD) is offering the following. For more information or to register, contact Pam Mansfield, Bldg. 515, Ext. 7286.

MIX Meeting next Wednesday

The next Monthly Information eXchange (MIX) meeting with CCD will be held at 11 a.m. on Wednesday, December 10, in Room B, Berkner Hall. There, a review of the SC97 BNL research exhibit will be presented by the SC97 team. All are welcome to attend.

PC Training

Personal computer (PC) training classes in December are: 12/10, moving up to Windows 95; and 12/16, beginner PowerPoint.

LabVIEW Training

The next LabVIEW training class will be held on January 26 through January 30, 1998. This five-day class consists of three days of introductory-level and two days of advanced-level training. The class will meet in the Human Resources training room, Bldg. 459, from 9 a.m. to 4:30 p.m. The training fee for the five days is \$1,875 per person. To register, send an ILR for that amount.

Recreation Schedule

Due to preparations and scheduled parties, the Recreation Building in the apartment area is closed for unscheduled general activities effective immediately until Monday, January 5. If you want to schedule a holiday function in the Recreation Building or for more information, call M. Kay Dellimore, Ext. 2873.

Calling All Carolers

The BNL Choral Group will present its annual Christmas Concert in the Cafeteria, at the special Christmas luncheon scheduled for Thursday, December 18.

The next rehearsal for this concert will be held at noon sharp in Berkner Hall on Monday, December 8. Singers for all parts are welcome. For more information, call Kara Villamil, Ext. 5658, or Liz Seubert, Ext. 2346.

was shut down prior to the discovery of a tritium leak from its spent-fuel pool in January 1997.

While scientific research has been halted at the HFBR until its fate is determined, the on-site groundwater that was contaminated with tritium has been undergoing processing since May, to ensure that contaminated water does not leave the Lab's property.

According to DOE, the U.S. Environmental Protection Agency, the New York State Department of Environmental Conservation and the Suffolk County Department of Health Services, at no time has this contamination been a threat to public health. DOE's notice of intent to undertake the EIS for the HFBR is on the World Wide Web at <http://tis.eh.doe.gov/nepa/>.

Free BERA Concert: Opera Buffs — It's Your Scene!



Hansel: Hi Myung Choo

Vignettes from several all-time opera favorites will be on the program for the next BERA Concert on Thursday, December 11, when the Stony Brook Opera Ensemble will perform "An Evening of Opera Scenes," at 8 p.m. in Berkner Hall.

Open to the public, the event is free. However, donations will be gratefully accepted to help fund future concerts.

The program includes scenes from Mozart's *Le nozze di Figaro* and *Così fan tutte*, Donizetti's *Lucia de Lammermoor* and an abridged version of Humperdinck's *Hansel and Gretel*. Singing at the concert will be promising graduate music students (some of whom are pictured) from the State University of New York at Stony

Brook (USB).

The production will be staged by Richard Cross, who sang with the New York City Opera from 1959 to 1992, starred in several NBC television productions and performed in most capitals in Europe in both opera and concert. Partnering Joan Sutherland in several productions, he recorded Bellini's *Norma* with her for RCA. He is currently on the faculties of USB and the Juilliard School of Music.

The opera singers will be accompanied by graduate students in piano, under the direction of David Lawton, USB Music Department Chair.

With 20 years' experience as a professional opera conductor in the United States and Italy, Lawton's work in-



Susanna: Eun Kyung Kwon

cludes conducting the 1996 American premiere of Bizet's *La jolie fille de Perth* as his Sarasota Opera debut and the 1993 world premiere of Conrad Cummings' *Tonkin* for Opera-Delaware. Also for Opera-Delaware, he conducted *La nozze di Figaro* in November and will conduct *Der fliegende Holländer* in May 1998.

Seats are not reserved. For more information, call (516) 344-3550 to listen to a recorded message. Concertgoers are advised to call in case of bad weather.



Ferrando: Whaa Chin Chae

See Supplement for other news and for classified ads.

Healthfest '97 — Four Days of Employee Health, Fitness & Safety

Healthfest '97, BNL's fifth celebration of personal health, fitness and safety, again drew a healthy crowd of employees to all its offerings, inside and out.

Lasting four days, October 6-9, Healthfest '97 began on Monday with 30 employees stretching before the Employee Fitness Walk, in which 340 walkers paced themselves over the 2-mile course up and down Brookhaven Avenue.

Then, that Tuesday, the pre-run stretch involved 35 BNLers, while 110 runners competed to complete the 5-kilometer Employee Fitness Run around site. For the second year in a row, Jennifer Schretzmayer, Chemistry Department, won the race, in a time of 17:34 — nine seconds off her winning time last year. As a result of this repeat win, Schretzmayer has set and holds the record for the number of consecutive wins.

The two-day Health, Fitness & Safety Fair in Berkner Hall drew 29 exhibitors and approximately 600 fair-goers over Thursday and Friday.

During the fair, some 35 employees participated in the Thursday lunch-time workshop on stress management & relaxation techniques, while another 35 took part in the Reiki healing circle held on Friday during lunch.

Meanwhile, some 200 BNLers had their blood pressure checked, 82 had their vision tested, 60 had their body composition analyzed, 55 had their lung capacity measured, 45 attended the foot screening, 37 had their hearing tested, and 30 took part in the massage-therapy demonstration.

Fair-attendees who won door prizes were: Tracy Blydenburgh, Pat Bounauti, Tim Carroll, Red Carsten, Denise DeMeglio, Ed Gill, David Graham, D.J. Greco, Piyush Joshi, Mickey Haller, Bryan Hanlon, Chris Hanley, Slawomir Kwiatkowski, Melinda Markstaller, Mike Marshall, Angela Melocoton, Joe Modjeska, Terry Monahan, Sue Monteleone, Michael Morello, Ken Mohring, Swapna Mukherji, Margareta Rehak, Pavel Rehak, Tom Roza, Jack Russell, William Sanchez, Nedy Santiago, Rich Scheidet, Gerry Shepherd, John Skonieczny, Judy Tidwell, Celeste Tymann, Joyce Vail, Kathy Vivirito, Bill Voegelin, Susan Wang, Pat Williams, James Wishart and Bob Wong.

Some of the prizes which were won were donated by: American Floral at Calverton, the Brookhaven Employ-

Attn. 87 Percenters

Thirteen percent of BNLers have contributed \$70,000 toward the 1997 United Way Campaign goal of \$90,000. That means only \$20,000 is needed from BNL's remaining 87 percent — so please give now!



Roger Stoutenburgh

ees Recreation Association, CIGNA Healthcare, Fidelity Investments Tax-Exempt Services, Health Insurance Plan of Greater New York, Power Food, Radisson Hotel Islandia, Ramada East End, TIAA-CREF, The Vanguard Group and Vytra Healthcare. In addition, Flik International, Nabisco, U.S. Healthcare and Weight Watchers provided fair-goers with healthy snacks.

"This year, Healthfest gave people something to celebrate during BNL's 50th-anniversary year," says Mary Wood, BNL's Health Promotion Specialist in the Occupational Medicine

Clinic (OMC), who had obtained the event's sponsorship by the Director's Office, was its primary organizer and chaired the Healthfest '97 planning committee.

That committee included: Marsha Belford, Public Affairs Office; Nicole Bernholz, Safety & Environmental Protection (SEP) Division; M. Kay Dellimore, Human Resources (HR) Division; Denise DiMeglio, HR; Renée Flack, Office of Educational Programs; Patricia Flood, Information Services Division; D.J. Greco, Director's Office (DO); Claudia Hatton, Plant Engineering Division; Diane Hatton, Chemis-

Help Make BNL History: Help Form the Big 5-0!

If you've always wanted to take to the field during a football game to become part of a marching band's human formation of some slogan or symbol, then here's your chance: At noon on Thursday, December 11, all BNLers are invited to be part of the B, N, L, 5 or 0 on the field aside of Police Headquarters, Bldg. 50 (not Berkner Hall as previously advertised).

The rain date is Monday, December 15; if the weather is iffy, check for an all-employee e-mail or listen for all-employee voice mail that morning for instructions. Parking will be in the Brookhaven Center lot across the street.

This living "BNL 50" will be photographed safely from atop the water tower by Bulletin photographer-in-chief Roger Stoutenburgh, for publi-

cation on the cover of the Brookhaven Bulletin of December 19, the final issue of the Lab's 50th-anniversary year.

Since this is the first time in Brookhaven's 50 years that a Laboratory group shot has ever been attempted, whatever number of employees, retirees, on-site workers, on-site residents and guests who come out for the photo will be a record.

But let's try to make the first record number a big one!

So, bring your co-workers, your office, division or department, your on-site friends and acquaintances, and BERA teammates to the penultimate official celebration of BNL's 50 years — and see yourself in what will become a historical photo!

After all, BNL will only be 50 once! So show your Lab spirit and be there!

BNL 50

Time Capsule Countdown

Mark the Date: December 16

The final event event of BNL's 50th-anniversary has been scheduled, so mark your calendars and start counting down the days: At 4 p.m. on Tuesday, December 16, in Berkner Hall, the Lab community and their families are invited to watch as the Lab's 50th anniversary time capsules are filled and sealed, and then buried in front of Berkner, for opening in 2047 during Brookhaven's 100th anniversary.

The ceremony will not only feature a glimpse into BNL's scientific, historical and activity-filled past through the glass-walled time capsules, but also a demonstration of the timeless art of glassblowing, as Barry Lafler, a scientific glassblower in the Chemistry Department for the past 29 years, vacuum-seals the glass containers prior to their entombment in a polymer-concrete topped crypt. Hors d'oeuvres and refreshments will be served. To attend, register with April Donegain, Ext. 2459.

The time-capsule committee still welcomes suggestions and examples of experiments investigating the aging of materials, such as superconducting cables, that could be conducted inside the capsules — the results of which will only be known to posterity! So contact time-capsule project coordinator Patti Bender, Ext. 3145, Bldg. 130, about placing such experiments within the time capsules.

try Department; Fred Horn, SEP; Richard Machnowski, Instrumentation; Christine Ronick, Administrative Support Division; Richard Rosetti, Safeguards & Security Division (S&SD); Jack Russell, Division of Contracts & Procurement; Camille Saville, OMC; John Schill, Instrumentation; Ed Sperry IV, Relativistic Heavy Ion Collider Project; and Michael Timm, S&SD.

The executive committee that oversees the planning committee includes: Bryce Breitenstein, OMC Manager, Robert D'Angio, HR Manager; M. Sue Davis, DO; and Richard Setlow, Associate Director for Life Sciences.

BERA Toy Drive

It's not too late to bring in a new toy or gift for a needy child or teen to make their holiday a happy one. Please donate your gift by Friday, December 19. Donations may be brought to the BERA Sales Office, Berkner Hall, weekdays, 9 a.m. to 1:30 p.m. For more information, call Andrea Dehler, Ext. 3347, or M. Kay Dellimore, Ext. 2873.

Cooking Exchange

To celebrate the holidays, all on-site residents and their spouses are invited to the next Cooking Exchange meeting, to be held on Thursday, December 11, 5:30-7:30 p.m. in the Recreation Building. Bring a starter dish, vegetable, fish or dessert to share. The turkey, something special for the kids, beverages and utensils will be provided. To reserve your place and for more information, call Greta Kiers, Ext. 1036.

Good New Uses for Your Used Clothing

Women's and children's clothing, accessories and toiletries are needed for two programs being supported at BNL by the Women's Program Advisory Committee and Brookhaven Women in Science: Brighter Tomorrows, a refuge for domestic-violence victims, and Dress for Success Brookhaven, which is run by the Town of Brookhaven Office of Women's Services to provide work-appropriate clothing to low-income women seeking employment.

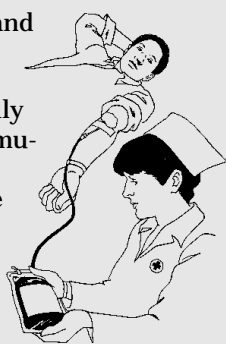
To help, bring donations to any of the following people by Wednesday, December 12: Maureen Anderson, Bldg. 197; Anita Cohen, Bldg. 134; Eva Emmerich, Bldg. 911; Sydell Lamb, Bldg. 463; Stephanie Lamontagne, Bldg. 1005; Jackie Larrie, Bldg. 490; Vicki McLane, Bldg. 197; Marilyn Pandorf, Bldg. 185; Gail Schuman, Bldg. 515; Michiko Tanaka, Bldg. 477; or Dorry Tooker, Bldg. 475. For more information, call Ext. 5205.

Save Lives With Your Blood!

A two-day blood drive will be held on Tuesday and Wednesday, December 9 and 10, from 9:30 a.m. to 3 p.m. in the Brookhaven Center. BNL employees are urged to participate and to bring a friend or a family member to take part in this vital effort for the community.

Donating blood saves lives — the lives of people who could live on your block. So, if you are in good health, between the ages of 17 and 76, and have not donated blood during the past 56 days, then take an hour from your schedule to participate in the BNL Blood Drive to give blood, and, thus, the gift of life to a member of the Long Island family.

For more information about any aspect of giving blood, or to make an appointment to donate during this drive, contact Blood Drive Chair Susan Foster, Ext. 2888, or e-mail foster2@bnlgov, with your name, telephone extension, and preferred date and time to donate.



Winter Holidays Goodies From the Science Store

when: 10 a.m. to 3 p.m., ONLY on
Friday, December 19.

where: Berkner Hall auditorium



BNLers favorite science toys and gadgets for holiday gift-giving will be available in limited quantities, so shop

early! For more information, look for a flyer to be mailed to all employees or contact the Museum Programs staff of the Public Affairs Office, Ext. 4495.

Classified Advertisements

Placement Notices

The Lab'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.

POSTDOCTORAL RESEARCH ASSOCIATES/ASSISTANT PHYSICISTS - (several positions) Trained in high-energy theory, to conduct research in elementary particle physics, starting October 1, 1998. Must have a proven record of accomplishments and the potential for outstanding contributions to the High Energy Theory Group's ongoing efforts. Current research activities include electroweak studies, perturbative QCD, collider phenomenology, lattice gauge theories, and finite temperature field theory. Contact: William Marciano, Physics Department.

POSTDOCTORAL RESEARCH ASSOCIATE - Trained in geology or a related discipline. Will use synchrotron computed microtomography to make innovative measurements of geological rock properties, fractures, and fluid flow at the micrometer scale. Excellent computer skills are required for carrying on improvements to the tomographic technique and for data analysis visualization. Contact: Keith Jones, Department of Applied Science.

OPEN RECRUITMENT - Opportunities for Laboratory employees and outside candidates.

DD4060. TOWER LINE PERSON - (term appointment, reposting) Under minimum supervision installs, repairs, and maintains overhead and underground electrical distribution lines, systems, equipment, controls and related devices, ordinarily of 2300 volts and over. Duties include rigging, electrical and mechanical work incidental to the installation, maintenance and repair of equipment, wires, lines, instruments, and fabricated metal on structures such as meteorology towers, pile stack and water tower. Will otherwise perform duties of Electrician A. Plant Engineering Division.

NS7580. PHYSICS ASSOCIATE POSITION - Requires a bachelor's degree in physics or a related field and excellent communication skills. Background in high-power pulsed power supplies, digital electronics, computer controls and programming, as well as laboratory test and measurement techniques is desirable. Primary duties, as part of a rotating shift team, include the operation and troubleshooting of the AGS accelerator complex for the experimental physics program. Alternating Gradient Synchrotron Department.

NS3575. ACCOUNTANT POSITION - Requires a bachelor's degree in accounting, finance or business (MBA preferred); authoritative knowledge of Generally Accepted Accounting Principles and Cost Accounting Standards; extensive experience in corporate accounting, including all related functions; and excellent communication skills. Extensive experience with computerized business systems and processes, and proven analytical skills are necessary. Proficiency with PCs and spreadsheet programs (Excel/Lotus) required. Experience in FIS reporting to DOE or regulatory reporting, and knowledge of PeopleSoft General Ledger, Project Costing, Query, etc., are highly desirable. CPA certification preferred. Financial Services Division.

MK4881. GENERAL SUPERVISOR STAFF SERVICES, FLEET MANAGEMENT - Requires a bachelor's degree in business administration, a related field or equivalent; significant supervisory and management experience; several years' experience in large automotive-fleet management; and skills in the use of computers as management tools. In addition, excellent oral and written communications also required. Will be responsible for the management, administration and control of the motor-vehicle fleet operations, transportation services, communications services and other division functions as assigned. Administrative Support Division.

MK3148. PHYSICS ASSOCIATE POSITION - Requires an MS in physics, working knowledge of the basic principles of mechanical design, experience developing calibration and alignment systems for large-scale tracking detectors in high-energy or nuclear

physics, and experience operating high-power laser systems. Will be responsible for the final assembly and alignment of the laser systems for the STAR detector. RHIC Project.