BROOKHAVEN BULLETIN
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BROOKHAVEN NATIONAL LABORATORY

Brookhaven Publishes Site Environmental Report for 1997

The Lab has issued its Site Environmental Report for the year 1997, which presents the results from Brookhaven's environmental monitoring program and an assessment of the Lab's environmental performance for that year.

BNL carries out a comprehensive environmental-monitoring program, to survey potential pathways of exposure to the public and environment, measure potential environmental impacts from the Lab operations, and provide data to demonstrate compliance with applicable regulatory and permit limits.

Brookhaven has published environmental reports each year from 1962 through 1966 and from 1971 through 1997. A summary report for the years 1967 to 1970 is also available.

One long-term trend associated with BNL activities that has been identified through these reports is the steady reduction of Lab releases to the environment, an effort that is one of Brookhaven's major commitments.

Data summarized in the 1997 report were obtained through testing performed by BNL or independent laboratories, the Suffolk County Department of Health Services (SCDHS), the New York State Department of Health, or the New York State Department of Environmental Conservation (NYSDEC).

Highlights of the 1997 report include:

- Pollution-prevention and waste-minimization efforts continued to pay dividends at the Lab in 1997, by eliminating waste for several processes, substituting nonhazardous materials for older industrial processes, and adopting compaction methods to reduce the volume of metallic bulk waste.
- In 1997, the maximum credible radiation dose due to BNL's air emissions was 0.07 millirem (mrem). Using computer modeling, this dose is calculated for a hypothetical individual residing at the Lab boundary for the entire year. This dose is equal to 1/140th of the EPA's limit of 10 mrem for the air pathway.

  The calculated maximum credible dose to an individual consuming water from potable wells containing tritium (just beyond BNL's eastern boundary) was 0.1 mrem, which is 40 times less than the EPA limit of 4 mrem for this pathway.

  The calculated maximum credible doses resulting from fish and deer consumption were 0.16 mrem and 9 mrem, respectively. The dose due to deer consumption is based on a conservative consumption estimate of 67 pounds per person per year.

  The federal dose limit is 100 mrem per year for members of the public for all pathways of exposure to man-made radiation. The average U.S. citizen receives approximately 300 mrem per year from natural background sources of radiation.
- In 1997, BNL's sewage treatment plant, which is a discharge point regulated by the NYSDEC, achieved a compliance rate of greater than 99 percent for liquid discharges. Compliance exceptions occurred: four times for iron, once for ammonia nitrogen, and once for silver.

  Tritium concentrations in the sewage treatment plant discharge were at their lowest levels since routine monitoring began in 1966.

During 1997, the average tritium concentration was less than 7 percent of the drinking water standard established by the EPA. For surface water samples, all water-quality measurements were consistent with measurements made at off-site control locations and met the New York State drinking-water standards.
- In 1997, BNL performed an extensive characterization of the tritium plume from the spent-fuel pool of the High Flux Beam Reactor, by installing more than 100 temporary monitoring wells and analyzing more than 1,800 groundwater samples.

  An interim remediation project was implemented as a precautionary measure to ensure that tritium would not migrate beyond the site boundary at levels above drinking water standards. Water was removed from the spent-fuel pool in December 1997, thus eliminating the source of the tritium. The plume, which is completely on BNL property, continues to be addressed under the Lab's environmental-restoration program.
- During 1997, well numbers 10, 11, and 12 were used to supply drinking water at BNL. Water samples collected from these wells were analyzed for radioactivity, metals, organic material, and water quality parameters. In 1997, the BNL potable water system was found to be in full compliance with the requirements of the federal Safe Drinking Water Act and New York State drinking-water standards.
- Other areas of the BNL site where past activities have caused groundwater, soil and sediment contamination continued to undergo monitoring and cleanup in 1997 under the federal Superfund program, which regulates cleanup of more than 1,200 sites nationwide. Environmental remediation at BNL is conducted in cooperation with the SCDHS, NYSDEC, EPA, and DOE.

— Peter Genzer

The 1997 Site Environmental Report is available on the BNL Web site at http://www.bnl.gov.

To obtain a copy of the 1997 report or a summary booklet, call Ext. 2345.

Brian Sack Named ALD for Finance, Administration

Brian Sack has joined the Lab as BNL's Assistant Laboratory Director for Finance & Administration. In addition, BSA has appointed Sack as its Chief Financial Officer.

Sack replaces Henry Grahn, who retired in July 1998 (see Brookhaven Bulletin, July 31, 1998). While Brookhaven Lab conducted a nationwide search to fill the position, Gregory Ogeka served as Interim Assistant Laboratory Director and BSA's Chief Financial Officer.

Roger Stoutenburgh

Brian Sack

In his new position, Sack is responsible for the Lab's Budget Office plus four divisions: Administrative Support, Contracts & Procurement, Information Services, and Financial Services. As the Lab's chief financial officer, Sack is responsible for a broad range of financial activities, including long-range financial planning and the Lab's approximately $400 million annual budget. As BSA's chief financial officer, he administers its $7.3-million annual fee.

"I believe my directorate's foremost priority is to provide the support necessary for Brookhaven to continue its outstanding scientific work," said Sack.

He continued, "My second goal is to minimize the administrative burdens on technical organizations to the extent achievable within the requirements of DOE's contract with BSA."

Brian Sack earned a B.S. in metallurgy in 1965, under a Navy Reserve Officer Training Corps scholarship, and he was commissioned as an ensign by the U.S. Navy. While on active duty, he did graduate work at the University of Pennsylvania under a Secretary of the Navy National Scholarship and earned his Ph.D. in metallurgy and materials science in 1969.

From 1969 to 1988, Sack held numerous other assignments in the Navy, including Deputy Director of the Materials & Quality Assurance Office and R&D Project Officer at the Naval Sea Systems Command in Washington, D.C., 1982-85.

In 1985, Sack became Officer-in-Charge at the Carderock Laboratory of the David Taylor Research Center in Carderock, Maryland. In 1988, he retired from the Navy at the rank of captain.

In 1988, Sack became Associate Head of the Administration Division at Lincoln Laboratory, a federally funded research and development center operated by the Massachusetts Institute of Technology.

In 1991, he was appointed head of the Administrative Division, and, in 1995, he became Lincoln Lab's Assistant Laboratory Director for Administration. — Diane Greenberg

Gore Hammer Award Goes to Supplier Quality Group

For the want of a metaphoric hammer to solve the America's problems, Lee Hays and Pete Seeger wrote the famous "If I had a hammer" song. For the want of real, reasonably priced solutions to the problems faced by the federal government, Vice President Al Gore devised the Hammer Award in 1994.

For an innovative group effort to evaluate suppliers that has saved its member facilities an estimated $700,000 over the past five years, a Hammer Award has been presented to BNL's Steve Stein, in his capacity as chair of the Supplier Quality Information Group (SQIG). It was presented last December 16 by the National Partnership for Reinventing Government, which administers the award.

Consisting of a $6 hammer tied with a ribbon and mounted within an aluminum frame with a note from the Vice President, the award is Gore's answer to $400 hammers and other overpriced solutions that have been sold to the government in the past.

To date, over 1,000 Hammer Awards have been presented to teams of fed-

(continued on page 2)

At the Hammer Award presentation in Washington, D.C., are members of the Supplier Quality Information Group (SQIG), with (left) DOE Deputy Assistant Secretary Richard Hopf: (from left) Ron Natali, Lawrence Livermore National Laboratory; Cherie Stallman, National Partnership for Reinventing Government; SQIG chair Steven Stein, BNL; Tony Cannon, Lockheed Martin Corporation; SQIG cochair Dave Torczon, Kaiser-Hill-Rocky Flats; Pat Mars, Betchel Nevada; and Don Reagan, Oak Ridge National Laboratory.

Superfund Cleanup

Contaminated Soils Reports Available

As part of BNL's Superfund cleanup process, DOE is seeking public comment until April 30th on two reports regarding soil cleanup on the BNL site. The reports are:

- Operable Unit I and Radiologically Contaminated Soils Feasibility Study Report, and
- Proposed Plan: Operable Unit I and Radiologically Contaminated Soils.

The reports document the evaluation of alternatives for soil cleanup and the proposed choice among those options. DOE is recommending large-scale excavation and off-site disposal of radiologically contaminated soils as part of the preferred remedy.

The documents address soils and sediments found in several areas of the BNL site, including the former Hazardous Waste Management Facility, the Waste Concentration Facility, the Bldg. 650 Reclamation Facility and Sump Outfall Area, and contaminated landscaping soils near buildings in the center of the BNL site. Several on-site man-made basins and a former ash pit are also addressed.

Cesium-137 is the principal contaminant found in these soils; in addition, strontium-90 has been detected. Elevated levels of heavy metals have also been found in some locations. All contaminated soils are confined to BNL property, and access to these areas is controlled as needed to protect employees and the public.

The executive summary of the feasibility study and the entire proposed plan are at www.oer.dir.bnl.gov/ou1doc.html on the Web. The reports may be reviewed at the Research Library, Bldg. 477. In addition, an eight-page fact sheet on the documents was mailed to all employees last week.

Information sessions on the proposed cleanup plan will be held as follows:

- Tuesday, April 13, Berkner Hall, 11:30 a.m.-1:30 p.m.
- Wednesday, April 14, Berkner Hall, 7- 9 p.m.

At these sessions, Environmental Restoration Division staff will be available to answer questions on BNL's contaminated soils. All are invited. Employees and the public may also provide comments during an April 22nd public meeting, 7-9 p.m. in Berkner Hall.

Comments provided on the proposed remedy will help select the final remedy for the Laboratory's contaminated soils. Send comments to George Malosh, DOE Brookhaven Group Manager, Bldg. 464, or to OU1comments@bnl.gov.

The final remedy for the contaminated soils will be documented in a report called the *Operable Unit I Record of Decision*, which is due out later this year.

Since 1989, the Lab has been a federal Superfund site, as 5 percent of its 5,300 acres is contaminated with hazardous and/or radiological materials due to past use and disposal practices. Brookhaven's cleanup is about halfway completed; by 2006, all contaminated soil will be cleaned up and all groundwater treatment systems will be operating.

CO_2 Mitigation: Science, Technology

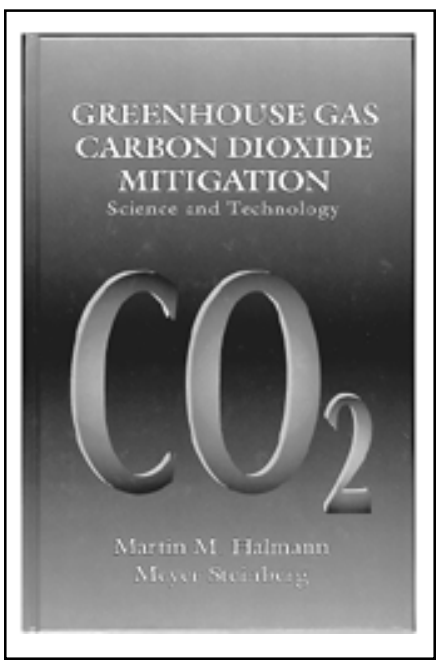
Carbon dioxide (CO_2) and other such gases in the earth's atmosphere trap infrared radiation which would otherwise escape into space. As a result, the earth is warmer than it would otherwise be. This effect, known as the greenhouse effect, is completely natural.

What has been produced by human beings, however, is an increase in the greenhouse effect — due to an increase in the atmospheric concentration of infrared-absorbing greenhouse gases released by the burning of fossil fuel for industrial and energy use. As a result, the earth appears to be getting warmer, and, though debated within the scientific community, global warming is of international concern.

While CO_2 emissions and the scientific debate continue, Meyer Steinberg of the Department of Advanced Technology (DAT) and his coauthor Martin Halmann of the Weizmann Institute of Science, Israel, have written a book called *Greenhouse Gas Carbon Dioxide Mitigation: Science and Technology*.

Published this year by Lewis Publishers of Boca Raton, Florida, Halmann and Steinberg's book outlines in 15 chapters the latest research and technology for decreasing CO_2 production and disposal, and increasing CO_2 utilization and conversion.

"We wrote the book because there were all these studies done at Brookhaven Lab and Weizmann Institute on practical methods for remediating the world's CO_2 problem that we wanted to let the world know about," says Steinberg.



Retired as a senior chemical engineer in 1997 and now a DAT guest researcher, Steinberg came to the Lab in 1957, received tenure in 1965, and served as the head of the Process Science Division of the Department of Applied Science, 1972-90.

Steinberg has performed research in the areas of: radiation chemical processing, reactors, polymer concrete, nuclear waste management, fuel production, nuclear waste transmutation, coal conversion, desulfurization, hydropyrolysis, environmental CO_2 control technologies, and solid-waste conversion into clean fuel.

— Marsha Belford

Research Funding Initiative

Committee Seeks Ideas on Carbon Sequestration

A newly appointed BNL committee is meeting through April to review research ideas and capability statements submitted by Lab staff interested in what is called carbon sequestration.

Carbon sequestration is the physical, chemical, or biological capture of carbon, either from effluent streams of carbon generators or from the atmosphere, followed by storage for a sufficiently long period, subject to economic and environmental constraints.

It has been identified as a "third way" — after energy efficiency and use of carbon-free energy sources — to reduce carbon dioxide (CO_2) levels in the atmosphere and, thus, mitigate global climate change.

Considerable interest in carbon sequestration within DOE and other federal agencies has prompted the BNL directorate to seek a way to coordinate research ideas from different parts of the Lab into a coherent body of concepts and capabilities. It is hoped that several areas will emerge that cut across department lines and could be developed into solid, fundable proposals to DOE and other agencies.

Pursuing this coordination is a five-member committee with representatives from the Chemistry Department, the Department of Advanced Technology (DAT), and the Department of Applied Science (DAS). Representation from other departments can be added.

Chaired by John Andrews, DAS, the committee includes members: Chris Fockenberg, Chemistry, George Greene, DAT, Leonard Newman, DAS, and John Taylor, DAT.

After reviewing the ideas that are submitted, they will prepare a report to management summarizing BNL's concepts and capabilities for carbon sequestration research. They will also make recommendations concerning how the Lab can best obtain research funds for its ideas.

To assist the committee, Lab staff members are invited to submit brief — preferably one-page — summaries for each idea regarding carbon sequestration.

Researchers who have interests related to carbon sequestration that are not yet sufficiently defined to prepare a "one-pager" are invited to call or e-mail any member of the committee for preliminary discussions. Written material on the subject is also available at committee members' offices for perusal and reproduction by interested staff members.

BNL Gospel Choir Sings April 16 & 17

At 7 p.m. on Friday, April 16, the BNL Gospel Choir will sing at the Unity Baptist Church, Factory Avenue, Mattituck. Then, on Saturday, April 17, at 7:30 p.m., the choir will perform at the New Jerusalem Baptist Church, 39 McArthur Avenue, Brentwood. All are welcome to both of these free programs. For more information, call Frances Ligon, Ext. 3709, or Sydell Lamb, Ext. 3389.

Coming Up

Robot on Display

On Friday, April 23, from noon to 1 p.m. in Berkner Hall, William Floyd High School students and physics teacher Chris Ryon will be joined by BNL retiree Donald Gardner to display the robot that they built for the FIRST — For Inspiration & Recognition of Science & Technology — Robotics Competition, a national engineering contest for high-school students.

BREA Meeting 4/23

On Friday, April 23, the BNL Retired Employees Association (BREA) will meet at 1 p.m. in Berkner Hall.

There, leading a discussion about the current status of Social Security will be Jerry Dano, State Coordinator for AARPVOTE, which is the voter-education arm of the American Association of Retired Persons (AARP). Dano will talk on Social Security, explaining its background, the current way it is treated in the budget, and the pros and cons of various legislative proposals.

345th Brookhaven Lecture, 4/21

On Wednesday, April 21, Senior Physicist Jerry Hastings of the National Synchrotron Light Source Department will give the 345th Brookhaven Lecture, "Shaking Neutrons Loose: The Spallation Neutron Source at the AGS," at 4 p.m. in Berkner Hall.

Refreshments will be provided both before and after the lecture. All who wish to join the lecturer for dinner at a restaurant off site should call Pamela Ciufo, Ext. 4884, by noon on Wednesday, April 21, to make reservations.

Celebration Lectures 4/29 & 30

BNL and the State University of New York at Stony Brook (USB) will celebrate the 50th anniversary of the publication of the renowned paper on the theory of the kinetic isotope effect, which was written by BNL's Jacob Bigeleisen, now USB Distinguished Professor emeritus.

For the occasion, two lectures will be given: Max Wolfsberg, formerly of BNL's Chemistry Department and now University of California (UC), Irvine, will talk on "Fifty Years of the Kinetic Isotope Effect," at 4 p.m. on Thursday, April 29, in BNL's Hamilton Seminar Room, Bldg. 555; and Judith Klinman, UC Berkeley, will lecture on "Kinetic Isotope Effects in Enzymatic Reactions," in the USB Chemistry Department on Friday, April 30, at 4 p.m.

A dinner will be held in Berkner Hall at 6 p.m. on Thursday, April 29. All are welcome; call Jean Pettersen, Ext. 4302, for information or to reserve a place.

Hammer Award (cont'd)

eral employees, often working with state and local government and private and nonprofit organizations. Hammer winners have worked to build a better government by: putting customers first, empowering employees, cutting red tape, going back to basics, and/or achieving worthwhile accomplishments — all while saving or not spending money.

SQIG Database

Organized in 1991, SQIG is an organization of representatives of 28 DOE contractors. Members of the group share their quantified evaluations of the quality and value provided by the suppliers from whom they purchase goods and services via a database on the World Wide Web, at www.lanl.gov/sqig.

Sharing this data has allowed the group to set supplier-evaluation standards, create a list of evaluated suppliers, and, as a result, improve the quality and value of the goods and services purchased.

At the Lab, Victor Gutierrez, who manages the Quality Management Office in which Stein works, and Mary-Faith Healey, who manages the Division of Contracts & Procurement, agree that SQIG and its supplier evaluation database have been invaluable. As a result, "We recommend that all BNL requisitioners use this database to evaluate potential sources."

— Marsha Belford

Benefit Notes

For more information on the following, contact Muriel Pfeiffer between 8:30 a.m. and 1 p.m. Monday through Thursday in the Benefits Office, Human Resources Division, Bldg. 185, Ext. 2877.

CIGNA Adds Pharmacy

Walgreen Drug Stores have been added to the list of pharmacies that are part of the CIGNA PPO's RxPrime prescription-drug card program.

Retiree Rx Drug Card

Effective May 1, BNL Medicare-eligible retirees who are enrolled in the CIGNA indemnity medical plan will be able to take advantage of the RxPrime prescription-drug card program. More information and RxPrime prescription-drug cards will be sent to these retirees by CIGNA.

Retiree Rx Drug Card

BNLers who are enrolled in CIGNA PPO plan should make note of the following change of address:

CIGNA PPO Plan
P.O. Box 962
Bristol CT 06010
(800) 462-7486

Claim forms reflecting this address change will be available on May 1.

PPO ID Cards

Also to reflect the above address change, CIGNA will be sending new identification cards to BNL's PPO participants.

Join WalkAmerica

On Sunday, April 25 or May 23, join the BERA team as a walker or a contributor to the annual WalkAmerica. Sponsored by the March of Dimes, the walk raises funds used to help reduce infant mortality and the incidence of low birth-weight babies. Since every mile walked on behalf of the March of Dimes makes a difference, invite your family and friends to join too.

To walk with BERA during WalkAmerica, pick up a sponsor sheet at the BERA Sales Office, Berkner Hall, Tuesday through Friday, 9 a.m. to 1:30 p.m. If you cannot join the walk, but want to donate, then send your check payable to the March of Dimes to BNL's Recreation Office, Human Resources Division, Bldg. 185, or drop it off at the BERA Sales Office.

For more information, call Andrea Dehler, Ext. 3347; M. Kay Dellimore, Ext. 2873; or Mary Wood, Ext. 5923.

Arrivals & Departures

Arrivals

Nuria Catalan-Lasheras ..... AGS
Michael L. McCray ..... RHIC
Hiroaki Onishi ..... Physics
Veena Warikoo ..... Biology

Departures

Leo J. DeBobes ..... Director's Office
Brenda H. Laster ..... Medical
Tara M. McKeon ..... RHIC
Vale P. Myles .. Econ. Dev. & Tech. Trans.
Louis P. Remsberg Jr. ..... Chemistry
Eric J. Scanlan ..... Rad. Control
Mark A. Quesada ..... Biology

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Outreach Workshop

Achieving Peak Performance

When you become totally absorbed by the movie that you are watching, the letter that you are writing, or the game that you are playing, then you are in a naturally focused state of mind in which you can concentrate and, as a result, have the best chances of achieving your peak performance.

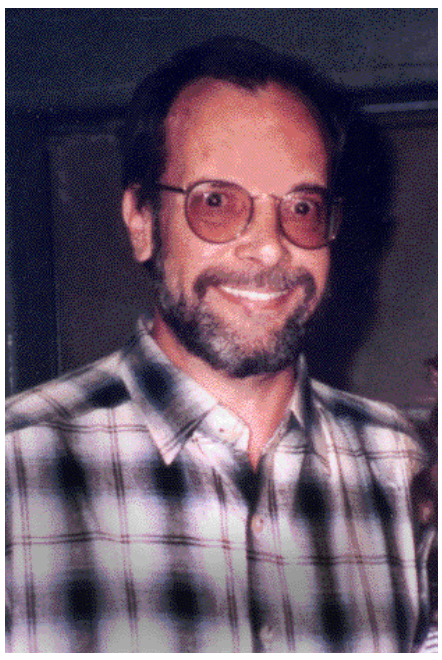
To present techniques, such as self-hypnosis and imagery, through which you can achieve this state of mind, clinical psychologist Patricia Stevens will discuss "Achieving Peak Performance" during the next Outreach workshop. Sponsored by the Employee Assistance Program (EAP) of the Occupational Medicine Clinic, the talk will be held on Monday, April 12, from noon to 1 p.m. in Berkner Hall. All are invited.

In private practice in Brooklyn and Manhattan, Patricia Stevens, Ph.D., is a certified medical hypnotherapist who handles issues including stress reduction, eating disorders, smoking cessation, and self-empowerment. She has served as the Director of Training at Brooklyn Veterans Administration Medical Center, and on the faculty of the Brooklyn and Suffolk Institutes of Psychotherapy and Psychoanalysis.

To register for this workshop, complete and return the bottom portion of the Outreach flyer sent to all employees to EAP Staff Psychologist Dianne Polowczyk, Bldg. 490. For more information about EAP and its Outreach workshop series, call Ext. 4567.

In Memoriam

Buddy Baumbach, Plant Engineering



Buddy Baumbach

Warren "Buddy" Baumbach, the RHIC Services Electrical Supervisor in the Plant Engineering (PE) Division, died on March 21, due to complications following a car accident this January. He was 48.

"Because he was a skillful problem-solver full of innovative ideas, Buddy was instrumental in the successful and timely completion of the electrical tasks associated with the Relativistic Heavy Ion Collider [RHIC]," said William Softye, PE General Electrical Supervisor. "Buddy had a good sense of humor, was well liked by his crew and the other electrical supervisors, and was helpful to the people at RHIC, so he is very much missed."

Baumbach began his BNL career on January 3, 1978, as an electrician A, assigned to work at the Lab's Alternating Gradient Synchrotron, where he helped provide electrical service to its physics experiments.

In April 1986, he was promoted to Service & Motor Shop Electrical Supervisor. As such, he was responsible for the work of about ten electricians who provided routine and emergency service to the buildings on site, and who rebuilt motors from experiments and other equipment around site.

In 1990, Baumbach began assuming the responsibilities of Towerline Electrical Supervisor and, in September 1994, was promoted to that position. In that capacity, Baumbach oversaw the work of approximately five towerline persons, who are responsible for the routine maintenance and emergency repairs to the Lab's high-voltage electrical lines, substations, transformers, and the like.

"Buddy excelled in expediting emergency repairs in all kinds of weather, day or night," explained John Read, the Fire Alarm & Security Electrical Supervisor. "He was very good at getting experiments and the rest of the site back up and running as expeditiously as possible."

In 1997, Baumbach was attached to RHIC, in the new position of RHIC Services Electrical Supervisor. There, he directed the work of PE electricians who were involved in electrical installation within the RHIC tunnel and experimental halls, providing power for the buildings, RHIC's detectors, and the collider itself.

An avid New York Giants fan, Baumbach had also been active in BERA sports, competing within the Racquetball, Softball and Volleyball Leagues, and going on the trips offered by the White Water Rafting Club.

A resident of Rocky Point, Buddy Baumbach is survived by his wife Eileen Baumbach, his son Eric Baumbach, his stepdaughters Tanya Korzan and Tiffany Korzan, his mother Mildred Klemfuss and stepfather Robert Klemfuss, sister Donna Landau, and brothers James Baumbach and John Baumbach.

Donations in Buddy Baumbach's memory may be made to Memorial Sloan-Kettering Cancer Center or the Transplantation Division of the Department of Surgery, Mount Sinai Medical Center, both in New York City.

— Marsha Belford

Atlantic City Trip

A few seats remain for the next BERA-sponsored, one-day trip to the Resorts Castle hotel and casino on the boardwalk in Atlantic City, on Saturday, April 17. The initial cost will be $25, but the hotel-casino will give a $17 coin return.

Buy tickets now at the BERA Sales Office, Berkner Hall, Tuesday through Friday, 9 a.m. to 1:30 p.m. For more information, call Andrea Dehler, Ext. 3347, or M. Kay Dellimore, Ext. 2873.

Lifeguard Training

BERA will offer a lifeguard training course at the BNL swimming pool, Bldg. 478, beginning Sunday, April 18.

The course is open to BERA members who are at least 16 years old and who must pass a swimming pretest that will be given during the first class. The class size will be limited.

Register now at the BNL pool. For fee, time and other information, call Head Lifeguard Susan Dwyer, Ext. 3147 or 3496, after 4 p.m.

In Memoriam

Kelsey Robinson, who had come to the Lab on May 26, 1947, in what is now the Supply & Materiel Division, died on February 3, 1998, at age 82. He had started as a clerk B, later becoming a driver, and, after 30 years at the Lab, he left on December 2, 1977.

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Benjamin Magurno, a physicist who had retired from what was then the Department of Nuclear Energy on June 11, 1993, after 34 years at the Lab, died on May 28, 1998, at age 68. Joining the Physics Department as a junior physicist in 1957, he had moved to the Department of Applied Science in 1969 and, in 1977, to the present Department of Advanced Technology.

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Harry R. Munkelwitz Jr., who had joined the Lab as a messenger in Office Services on July 30, 1951, died on June 16, 1998, at age 65. Having become a technician in 1955, a chemistry associate in 1970, and a senior chemistry associate in 1991, he left in 1995 after 44 years at the Lab.

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Barclay Jones, a physicist who had joined the Chemistry Department on April 1, 1975, died on June 26, 1998, at the age of 76. He had retired on September 30, 1985, as a physicist with a continuing appointment.

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Sidney Jungreis, who had joined the Medical Department on March 10, 1959, died on July 7, 1998, at the age of 77. A physical therapist, he had spent 25 years at the Lab, leaving BNL on April 13, 1984.

•

Thomas F. Burns, who had started as a steamfitter A in the Plant Engineering Division on April 17, 1976, died on August 29, 1998, at age 67. He had left the Lab on long-term disability on April 30, 1984, retiring one year later.

•

Pierre Becker, who had come to the Lab as a senior stationary engineer in the Plant Engineering Division on July 21, 1976, died on August 31, 1998, at the age of 76. He had transferred to the then Health & Safety Division in 1977, and he left the Lab on August 5, 1981 as a staff engineer.

•

Adolf Rosenka, who joined the Central Shops Division on February 3, 1958, as an experimental welder, died on August 31, 1998, at the age of 70. He had retired as a welding & sheet-metal supervisor on October 13, 1989.

•

Carl Wingard, who had first come to the Lab on October 18, 1954, to work as a stockman in what became the Supply & Materiel Division, died on September 7, 1998. He was 81. He had retired as a storeskeeper on February 28, 1977.

•

Alvin Heylemann, who had joined the Chemistry Department as an advanced technician on April 27, 1959, died on October 4, 1998, at the age of 71. After 26 years, he had left the Lab as a technical associate II on September 30, 1985.

•

Carl Avent, who had started as a Lab custodian in the Plant Engineering Division on June 19, 1961, died on October 25, 1998. He was 62. After working in several departments during his 36 years at BNL, he became a technical associate II at the Relativistic Heavy Ion Collider Project, retiring on May 7, 1998.

•

Helen Forsburg, who had joined BNL on September 26, 1957, as a librarian in what is now the Information Services Division, died on October 26, 1998, at the age of 86. She had spent 20 years at the Lab, retiring on December 31, 1977.

Basketball

Scores from games on April 1

Bulldogs 73		**Bombers 49**	
Mike Mallardi	21	Jerry Gaeta	12
Troy Mayo	21	Doug Aichroth	11
Greg Mack	14	Mitch Williams	10
Louis Lalor	9	Donald Davis	9
Pete Ratzke	8	Steve Jao	7

Three-point shots: Mayo (4), Mallardi (3), Williams (2), Gaeta.

Wizards 82		**Knicks 63**	
Terry Buck	23	Jim Garrison	20
Rob Singleton	15	Chris Fockenberg	12
Charlie Edwards	14	Onare Rice	11
Al Boerner	11	Pat Hawkins	6
Santos Ortiz	11	Steve Springston	6
Reggie Sanchez	5	Shane Stadler	6
Fred Maier	3	Lee Walcott	2

Three-point shots: Garrison (6), Ortiz (3), Maier, Sanchez.

Defensive Driving

The training group of the Safety & Health Services Division will offer a six-hour defensive driving course on Saturday, June 5, 9 a.m.-3:30 p.m., in Berkner Hall, Rooms B & C.

The course will be taught by a Metropolitan Life instructor and is open to all BNL, BSA and DOE employees, BNL facility-users, and their families, at a cost of $23 per person.

Completing the course entitles participants to a 10-percent discount on vehicle collision and liability insurance for three years, and to have up to four points deducted from their driving records.

To register, call Scott Zambelli, 249-3000, Ext. 5877 (*not* the on-site Ext. 5877).

Bus Trip to U.S. Open

The BERA Tennis Committee is again sponsoring its popular bus trip to the U.S. Open Tennis Championships at the National Tennis Center, Queens. The 1999 trip will take place on Tuesday, September 7, when the bus will leave from the tennis-court parking lot at 8:30 a.m., with a pick up at the Long Island Expressway exit 63 park & ride. After the day's session, the bus will leave the National Tennis Center at 7:30 p.m.

The per-person cost of $57 includes the day-session ticket (now $41) and the round-trip bus fare, including a tip for the driver. Paid reservations are being taken at the BERA Sales Office, Tuesday through Friday, 9 a.m. to 1:30 p.m.

Environmental Mottos Due Thursday, 4/15

The Environmental Services Division (ESD) reminds all BNLers that Thursday, April 15, is the deadline not only for income-tax returns — but also for entering the Lab's environmental-protection program motto contest (see last week's Bulletin).

The winner of the environmental motto contest will be announced on Earth Day, Thursday, April 22, and the employee, retiree or facility-user who comes up with the winning motto will receive a $100 gift certificate.

If you have questions about this contest, then ask ESD Manager Bet Flores, Ext. 4225, or Susan Briggs, Ext. 2465. Send your forward-looking and positive motto entries for this contest, along with any accompanying graphics, to Flores, Bldg. 535A or flores @bnl.gov.

Cello Recital 4/14

The BSA Lunchtime Recital, on Wednesday, April 14, 12-12:24 p.m. in Berkner Hall, will be given by cellist Sally Singer, who will be accompanied on the piano by Molly Morkoski, in a program of works by Barber, Beethoven and Faure.

Singer, who has performed in London's Royal Albert Hall, won this year's Concerto Competition at the State University of New York at Stony Brook. Morkoski is a finalist for a Fulbright to study contemporary music in Paris.

BSA Lunchtime Recitals are free, informal and open to all. Audience members may bring a box lunch into the hall to enjoy with the music and may come and go as they please.

Rifle & Pistol Club

The BNL Rifle & Pistol Club's next monthly meeting will be on Wednesday, April 14, at noon in the AGS second-floor conference room, Bldg. 911. For more information, call Jim Durnan, Ext. 4617, or the club's hotline, Ext. 2658; or go to its Web page at www.berahome.bnl.gov/clubs/rpc.html, where the club's newsletter is also available.

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.

LABORATORY RECRUITMENT - Opportunities for Laboratory employees.

DD7754. MAIL CLERK - (temporary, 5/3 - 9/3/99) Requires valid New York State Driver's license. Administrative Services Division.

OPEN RECRUITMENT - Opportunities for Laboratory employees and outside candidates.

MK7660/7661. RIKEN FELLOW & POSTDOCTORAL RESEARCH ASSOCIATE - (two positions) The RIKEN BNL Research Center was established at BNL by the Japanese Institute of Physical & Chemical Research (RIKEN), to focus on physics at BNL's Relativistic Heavy Ion Collider (RHIC), hard QCD/spin physics, lattice QCD, and relativistic heavy-ion physics, both theory and experiments. Starting in 2000, RHIC will be the first polarized proton collider, and the Center will play a major role in developing the RHIC spin-physics program. Members of the Center's experimental division will have the opportunity to participate in RHIC's detector program. For fall 1999, RIKEN BNL Fellow (an appointment for up to five years) and Postdoctoral Research Associate (a two-year appointment) positions are offered. Under the direction of T.D. Lee, RIKEN BNL Research Center.

MK2582. PROGRAM MANAGER, PERFORMANCE BASED MANAGEMENT & INTEGRATED ASSESSMENT PROGRAM - Requires a bachelor's degree in a scientific, technical or project-management discipline; significant experience in performance-based management and self-assessment; and a high degree of initiative, professional judgement, and independent thought. Excellent analytical, interpersonal, and oral and written communications skills are required, as is the ability to plan, organize, coordinate and carry on simultaneously several programs with divergent viewpoints. Will have considerable latitude and responsibility in carrying out assigned functions, and, therefore, must be highly motivated. Primary duties include the administration of the day-to-day provisions of the Lab's performance-based management system. Additional duties include the administration of the day-to-day provisions of the integrated assessment program. Will provide assistance, advice, and general support to the Lab's departments and divisions in preparing self-assessment plans, providing tools for assessment, and preparing year-end evaluations. Will report to and be responsible for advising and assisting the Assistant Laboratory Director for ESH&Q in the development and implementation of policies, practices, and procedures that ensure effective management of the Lab in these areas. Director's Office.

DD8083. ELECTRICAL ENGINEERING POSITION - Requires a BS degree, MS preferred, in electrical engineering, with experience in the design of analog circuits, feedback systems, and power electronics. Experience with fast-pulsed power techniques and high power thyratrons a plus. Alternating Gradient Synchrotron Department.

NS7577. ENGINEERING POSITION - Requires a bachelor's degree in a technical or scientific field, or the equivalent work experience in the waste management industry. Experience in radiological and/or hazardous-waste packing, handling and labeling is required, as is experience working in radiological operations and having radiological worker and HAZWOPER training. Knowledge of BNL standards and/or DOE orders that apply to waste management is necessary. RCT certification, experience with waste characterization, and familiarity with QA/QC best-management practices is desirable. DOT hazardous-materials training certification is also desirable. Will assist in management of the division's waste inventory and provide technical support to waste-generators on waste-management issues. Waste Management Division.

DD7841. POWER SUPPLY/RF TECHNICIAN POSITION - (reposting) BS in electronic technology or equivalent required. Will work in a small group upgrading and maintaining a diverse range of equipment. System responsibility will include high-power pulsed RF acceleration systems. Work will be done under the direction of a group supervisor, while working closely with engineers and physicists. Requires a thorough understanding of analog and digital circuitry, power electronics and RF techniques. Must be able to use standard test equipment and work from schematics, rough drawings and verbal instructions. Must also have experience prototyping circuits, building chassis, and safely handling bench and power tools. National Synchrotron Light Source Department.

DD7372. TRAINER POSITION - Requires a bachelor's degree or equivalent and several years of pertinent experience. Excellent organization, verbal, written, and presentation skills are necessary. Knowledge of BNL safety standards and previous training experience is desirable, as is knowledge of databases and word processing. Under minimum technical direction, will plan, coordinate, schedule and conduct general employee and safety training for the division and its guests. Will prepare and revise training materials, develop lesson plans, administer exams, and maintain required records. Reactor Division.