

342nd Brookhaven Lecture Beating the Odds on Rare Kaon Decay

The word “decay” often conjures up an image such as leftovers in the fridge — something nearing its end, disintegrating slowly and all too easily traced. The decay of high-energy subatomic particles, however, is quite different. When these particles decay, breaking down into more stable components, they can disappear almost in the split instant in which they are created. They



Laurence Littenberg can remain untraceable for years, even by huge teams of researchers using extraordinarily sensitive equipment. Such decays are elusive by virtue of their rarity and/or the difficulty of detecting their components. They are worth pursuing, however, because they critically test the generally accepted laws of physics. By studying rare decays of particles, researchers can deepen their understanding of the elemental forces and basic constituents of matter.

Therefore, October 1997 marked a great event when the international collaboration of physicists in Experiment 787 at the Alternating Gradient Synchrotron announced observing the rarest particle decay ever detected up to that point (see Brookhaven Bulletin, October 10, 1997). After ten years of searching through the decays of 1.5 trillion particles, they had seen a positively charged kaon particle breaking down into three other particles: a positively charged pi meson, also called a pion, together with a neutrino and an anti-neutrino. This was a phenomenon so rare that it is expected to happen only once in every 10,000,000,000 kaon decays. To talk about this exciting experiment and its implications for physics, Senior Physicist Laurence Littenberg, one of E787’s three co-spokespersons, will give the 342nd Brookhaven Lecture, “Beating the Odds on Rare Kaon Decay” on Wednesday, January 27, at 4 p.m., in Berkner Hall. Littenberg, who is Leader of the Physics Department’s Electronic Detectors Group, will be introduced by Physics Chair Michael Murtagh. As Littenberg will discuss, although

photo by Stoutenburgh

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1998 Pine Barrens Research Forum: Culture and Science Meet at BNL

Marking the Laboratory’s third consecutive year as host, the two-day 1998 Pine Barrens Research Forum in October brought over 100 participants — students, citizens, scientists, politicians and researchers — whose interests in the pine barrens ranged from the social to the physical sciences. The goal of this forum was to allow this diverse group to exchange ideas on how to preserve and protect the pine barrens of Long Island as a living

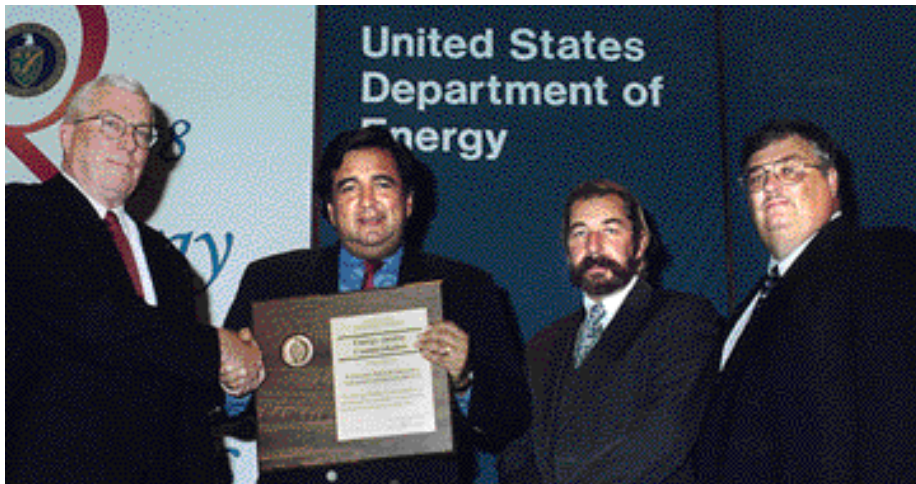
community of people and natural resources. In 1998, for the first time, the forum included presentations on how human beings have affected the ecological evolution of Long Island’s Pine Barrens. The 100,000-acre Long Island Central Pine Barrens are a complex mosaic of pitch-pine woodlands, pine-oak forests, coastal plain ponds, swamps,

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Started in 1996, the Pine Barrens Research Forum is a cooperative effort of the Central Pine Barrens Commission (PBC), the Long Island Groundwater Research Institute and BNL, which were represented at the 1998 forum by: (standing from left to right) Peter Paul, BNL’s Deputy Director for Science & Technology; Raymond Corwin, Pine Barrens Commission (PBC) Executive Director; Robert Gaffney, Suffolk County Executive and PBC Chair; BNL Ecologist Jan Naidu; Henry Bokuniewicz, Long Island Groundwater Research Institute Director; and George Malosh, Manager, DOE Brookhaven Group.

BNL’s Safeguards & Security Wins 1998 Energy Quality Commendation



Winning a 1998 fifth-place Commendation Award in Energy Quality, BNL’s Safeguards & Security Division (SSD) was recognized by DOE’s Office of Quality Management and the Energy Quality Council for its early stage success in implementing a systematic approach to promoting excellent performance. The commendation, in the form of a plaque, was presented by Energy Secretary Bill Richardson (second from left), during a ceremony at DOE headquarters in Washington, D.C., in October. The Secretary of Energy made the presentation to: (from left) BNL’s SSD Manager Russ Reaver, SSD Specialist Gary Gross, and Safeguards & Security Director Thomas Gradle of DOE’s Chicago Operations Office. While there were no recipients of the first-place and improvement awards, eleven DOE organizations, including the Lab, were recognized

with Energy Quality Awards. The Lab was one of two DOE organizations to win a commendation this year. Started in 1994, DOE’s Energy Quality Awards program recognizes organizations within or affiliated with the department that demonstrate measurable achievements in quality management, customer service and commitment to continuous improvement. To make these awards, DOE uses criteria developed by the late Secretary of Commerce Malcolm Baldrige, who was a proponent of quality management. To be evaluated for this award, SSD had to submit to a week-long audit by DOE’s Energy Quality Council, during which the quality of SSD’s performance was judged based on six categories. SSD received its highest marks in the business-results category, which measures how well an organization does its business.

BNL Cancer Assessment — Where Does It Stand?

Last January, DOE announced that, at the request of BNL employees, it was initiating an assessment of the rate of cancer among former and current workers at the Laboratory. But it has been a year, and the assessment is not yet complete. This update discusses the delay and when BNLers can expect to see the final report.

As described a year ago in all-employee meetings and in the Brookhaven Bulletin of January 30, 1998, a cancer assessment would be the first step in determining whether a full study of cancer rates among BNLers would ever be warranted.

“I must emphasize that this assessment will measure the *occurrence* of cancer among former and current BNL workers, not *causes* of cancer in this group,” said George Malosh, Manager of DOE’s Brookhaven Group. He explained that any decision regarding a more detailed study would be made by the National Institute for Occupational Safety & Health, a part of the U.S. Department of Health & Human Services (DH&HS). That’s because, Malosh said, “DOE and DH&HS have signed a memorandum of understanding, under which DOE is not allowed to conduct the full epidemiological study, which would be required to identify a cause of cancer in a given DOE population.”

To maintain a professional distance from the study, DOE asked the New York State cancer registry to conduct the assessment. The registry’s charge was to identify the incidence of cancer among BNL workers by comparing pertinent data about Brookhaven’s 21,271 former and current workers to its own automated cancer surveillance database.

At that time, DOE officials anticipated that the roster, which includes the name and a variety of background information for each employee, would be delivered to the cancer registry within a few weeks and that the assessment would be completed by that summer. However, subsequent checks of the roster showed that additional work, mostly formatting the data, was required before it would be ready for use by the cancer registry. So, the roster’s submission had to be postponed.

The roster was given to the cancer registry last November, and the registry is now performing analyses comparing the occurrence of cancer among former and current BNL workers with that of residents of Suffolk and Nassau Counties and New York State.

DOE has requested that the registry generate a draft report of its findings by March 5, 1999. The registry is expected to complete the final

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Employing Former Soviet Scientists to Prevent Proliferation

The fear that hostile countries could lure scientists and engineers working on nuclear, biological and chemical weapons to part with their knowledge has pushed those responsible for U.S. national security to develop a program that discourages such activities.

To discuss a new program of this nature, BNL's Department of Advanced Technology hosted a meeting of the inter-laboratory (ILAB) coordinating group of the DOE-sponsored Initiatives for International Proliferation Prevention (IPP) program at Gurney's Inn, Montauk, September 13-16, 1998.

IPP's goal is to provide intellectually and financially beneficial employment to scientists, engineers and technicians who worked in the former Soviet Union's nuclear, biological and chemical weapons program. It thus removes their incentives to assist rogue countries or terrorist groups in illegally obtaining weapon materials and know-how.

With the aim of developing cooperative projects to benefit the national security and economies of the U.S. and the Newly Independent States (NIS), ILAB is IPP's working group that coordinates the activities of U.S. scientific institutes and engineering firms with their counterparts in NIS.

At quarterly ILAB meetings, ILAB's



Roger Stoutenburgh

representatives from DOE ten multi-program national laboratories, including BNL, recommend projects to DOE Program Manager William Desmond from the Office of Non-Proliferation and National Security headed by Rose Gottemoeller.

DAT's Ann Reisman, ILAB's representative for BNL, manages funds for IPP, assists interested BNL researchers in defining IPP projects and recommends BNL projects to ILAB.

The ILAB meeting in September focused mainly upon the Nuclear Cities Initiative (NCI), which is IPP's new program to help the Russian Ministry of Atomic Energy to enable the transition of ten Russian cities from weapons production to a civilian economy. Besides NCI, the Montauk-meeting participants discussed such matters as possible candidates for future IPP projects and IPP allocations to its programs.

— Amena Saiyid

At Gurney's Inn in Montauk are all inter-laboratory (ILAB) coordinating group attendees along with representatives from DOE, the U.S. Industry Coalition (USIC) and the University of New Mexico (UNM): (standing left to right from last row to first row) Howard Kerr, Oak Ridge National Laboratory; John Taylor, Sandia National Laboratory; Bill Horak, BNL; Dave Ehst, Argonne National Laboratory; Peter Green, DOE; Andrei Gakh, DOE; Marty Murphy, National Renewable Energy Laboratory (NREL); Tom Ciccateri, DOE Kansas City Plant; Ed Walters, UNM; U.S. (Kumar) Rohatgi, BNL; Andre Anders, Los Alamos National Laboratory (LANL); James Wolfram, DOE; Bill Toth, Idaho National Engineering & Environmental Laboratory; Ken Touryan, NREL; Patricia Godoy-Kain, Pacific Northwest National Laboratory; Steve Kadner, USIC; Donna DeCaro, BNL; Ted Saito, Lawrence Livermore National Laboratory; and Michelle Silva, LANL. Seated is Ann Reisman, who is BNL's representative to ILAB.

Slogan Contest Entries Aid Logo Development

It's almost six months since the Brookhaven Bulletin announced a slogan contest for "a memorable phrase that captures the Lab's essence" — and the 101 employees and retirees who submitted a total of 260 slogan entries are surely wondering why no winner has been announced yet.

Here's why:

Shortly after the contest ended, BSA agreed to hire the Deffenbaugh Agency, a New York City-based graphic-design firm, to develop what is known as a graphic identity for Brookhaven.

Deffenbaugh was selected from among four firms that came to Brookhaven to present their ideas to representatives of each of the departments and divisions, the Media & Communications Office and Laboratory management. Deffenbaugh was the top choice of all the groups.

In developing the graphic identity for Brookhaven, the agency's Patrick Deffenbaugh and Q. Malandrino will create a primary identifier, such as a logo, and much more: The graphic identity will be a consistent way of presenting BNL and its message, using graphics, colors, type and, perhaps, a slogan.

The new identity will be incorporated in Brookhaven's stationery, publications, recruitment advertising, Web site, business forms, signage and more. Standards will be established to ensure consistent use of the graphic identity throughout the Laboratory — so that all the graphics produced at Brookhaven will share a similar "look."

Anita Cohen, Media & Communications Office, who is coordinating this effort for Brookhaven, explained that development is well under way, and that the logo and any supporting slogan should be determined by the end of February.

"Before they could create the logo, Deffenbaugh had to do a lot of research to determine how we at Brookhaven perceive ourselves, how others perceive us and how we would like to be perceived in the future," Cohen said. "This involved one-on-one interviews with all top management at the Laboratory and DOE's Brookhaven Group, as well as phone interviews



BNL's first logo.

with facility users, vendors and members of the outside community."

Though time did not permit Deffenbaugh and Malandrino to interview BNLeers throughout the Lab, they used the slogans submitted to the contest as input into the process. "The slogans were extremely helpful in giving us a feel for the immense pride that the Brookhaven community takes in this Laboratory," said Deffenbaugh.

Until the agency develops Brookhaven's graphic identity and senior management adopts it, the influence of those slogans will not be known.

If an employee's slogan is reflected in the primary identifier and/or the slogan that Deffenbaugh develops for the graphic identity, then that employee will be declared the winner of the slogan contest — and the \$100 American Express gift check.

However, as noted at the contest's outset, Brookhaven's management — and, by proxy, its contractor, the Deffenbaugh Agency — reserves the right not to adopt any of the entries as an official slogan.

The original contest, however, did promise that all BNLeers who submitted slogan ideas would be entered in a drawing for a \$50 dinner gift certificate. That drawing was held, and a

gift certificate went to Jim Schermerhorn, Environment, Safety & Health Services Division, whose slogan entry was: "BNL . . . where science and stewardship come together."

A special thank-you to all who took the time to enter, including:

Ali Reza, Alai-Tafti, Barry Arbeit, Marilyn Banks, Nancy Barci, Kevin Barnes, John Bohenek, Hattie Booker, Ollie Booker Jr., Al Borrelli, Patrick Borello, Arland Carsten, Vincent Castillo, John Castro, Frank Cetero, William Chimienti, Randolph Church, Cheryl Conrad, Melanie Covitz, Patricia Durcan, Theresa Esposito, Tirre Farmer, Art Friedman, Bill Fortunato, Anthony Fresco, Ed Gallagher, Sean Gavin, Madina Gerasimov, Thomas Gilbert, William Gildersleeve, Brigita Gordon, D.J. Greco, Bill Greenberg, Chris Hanley, Doan Hansen, Ping He, Jim Higgins, Mark Israel, Vivek Jain, Jae Jo, Dollie Johnson, Jean Jordan-Sweet, Stuart Kern, Paul Kessler, Jan Kieleclawa, Bob Kinkead, Terri Kneitel, Dolores Knighton, Jeffrey Knighton, Caroline Kramer, Sydel Lamb, Joseph Levesque, Bob Lofaro, Christine Madonia, Bernie Manowitz, Stanley Mars, Richard Melucci, Lee Michel, Bob Miltenberger, Denise Monteleone, Alan Morgillo, Steve Moss, Pat Moylan, Tom Muller, Paul O'Connor, John Oleness, Bob Olsen, Judy Otto, Keith Power, Beatrice Pyatt, Christine Quiery, Brian Quirke, Charles Rankin, Rita Rech, Marie Reynolds, Dennis Robertson, Christine Ronick, Leo Sadinsky, Marcel Schlaf, Stanley Seltzer, Liz Seubert, John Shanklin, Gerry Shepherd, Nancy Siemon, Daniel Slatkin, Patricia Snyder, Amarjit Soni, Steven Stein, J. Mark Stuart, Masaki Suenaga, Toshi Sugama, Phillip Thomason, Steve Thompson, John Trunk, Flemming Videbaek, George Walczyk, Kathy Walker, Douglas Warren, Jim Wishart, Mary Wood, Patricia Yalden and Joseph Zeneski.

Additions

In the article on "BNL to Design, Build Accumulator Ring, Transport Lines for \$1.3B National Spallation Neutron Source at ORNL," in the Brookhaven Bulletin of December 11, 1998, the Department of Advanced Technology, in which pioneering work on spallation sources started in the 1970s, was inadvertently omitted from the list of participating departments and divisions.

The list of employees who had participated in BNL's fall Environmental Fair, reported in the Brookhaven Bulletin of December 18, 1998, should have included: Paul Callegari, Alternating Gradient Synchrotron Department, and Mary Scheidet, Community Relations Office.

Brookhaven Lecture (cont'd.)

the observation was in statistical agreement with current theory, it indicates a rate roughly four times higher than the central prediction, and so is quite provocative. The experiment has continued collecting data and will soon be able to verify whether there is a significant discrepancy with the theory.

With a 1963 B.A. in physics from Cornell University, Littenberg received his M.S. in 1965 and Ph.D. in 1969, both in physics, from the University of California, San Diego. After four years at Daresbury Laboratory in England, he joined BNL as an associate physicist in 1974. He became a physicist in 1977, was granted tenure in 1983 and was named Senior Physicist in 1989. A Fellow of the American Physical Society since 1991, Littenberg served on DOE's High Energy Physics Advisory Panel (HEPAP) Subpanel on the U.S. High Energy Physics Program for the 1990s, 1989-90, and served as a HEPAP member 1990-93. He has authored or coauthored more than 80 publications.

Coffee and cookies will be served in the lobby before the lecture, and refreshments will be offered afterwards. Those who wish to join the lecturer for dinner at a restaurant off site may call Nancy White, Ext. 3857, by noon on Wednesday, January 27.

Cancer Assessment

(cont.)

report within 90 days of receiving comments from DOE's Office of Epidemiologic Studies. The final report is expected sometime this summer.

"The final report will first be provided to Laboratory employees," said Malosh. "Once employees are informed and their questions answered, the report and all related data that do not compromise past or present worker confidentiality will be made available to the general public, and to Health and Human Services for its review."

Employees with questions about the cancer assessment may contact John Carter, DOE Brookhaven Group, Ext. 5195 or e-mail jrcarter@bnl.gov.

— Anita Cohen

BWIS Lecture:
Robert Crease on Social Dimensions of Science

Brookhaven Women in Science will sponsor a lecture on the “Social Dimensions of Science” to be presented by BNL Historian Robert Crease, who is also a Professor and Director of the graduate program in philosophy at the State University of New York at Stony Brook.

The one-hour lecture will be held on Wednesday, January 20, at noon, in the National Synchrotron Light Source Seminar Room (2-125), Bldg. 725. All are invited; please bring your lunch. Coffee and cookies will be served. For more information, call Diane Greenberg, Ext. 2347.

Attn. Linux Users

Because the Linux operating system is a source of computer-security problems, BNL’s Physics Department has set up a site to receive the security patches released by RedHat Software, Inc., a popular Linux distributor.

As a result, those who have RedHat Linux installed on their personal computers and other Linux users are invited to subscribe to the linux-sec-l e-mail list maintained by the Physics Department to distribute RedHat Linux security information.

To subscribe, send e-mail to listproc@bnl.gov with the following message: subscribe linux-sec-l first name last name. In that message, substitute your first name and last name for those words. For more information, e-mail Steve Adler at adler@bnl.gov.

Pine Barrens (cont’d.)

marshes, streams and bogs. Located close to the geographic center of Suffolk County, these pine barrens occupy nearly two-thirds of the Lab’s 5,625 acres.

To protect these pine barrens is to protect open space and the drinking water for both present and future generations of Long Islanders, concludes forum organizer Jan Naidu of the Environmental Services Division, who is the Lab’s Ecologist.

Echoing these sentiments, welcoming remarks were offered by: George Malosh, Manager of DOE’s on-site Brookhaven Group; Peter Paul, BNL’s Deputy Director for Science & Technology; Shirley Strum Kenny, President of the State University of New York at Stony Brook and Chair of the BSA Board of Directors; and Suffolk County Executive and Pine Barrens Commission Chair Robert Gaffney. Lee Koppelman, Executive Director of the Long Island Regional Planning Board, provided the keynote address “History of Preservation of the Long Island Pine Barrens.”

BROOKHAVEN BULLETIN

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Public Meeting on DOE Spallation Neutron Source Draft Environmental Impact Statement

At Berkner Hall on Thursday, January 21, two public meetings will be held, 2-4 p.m. and 7-9 p.m., to receive comments on the draft environmental impact statement (EIS) for DOE’s proposed Spallation Neutron Source (SNS), for which the preferred site is Oak Ridge National Laboratory (ORNL).

As established by the Energy Policy Act of 1992, DOE is responsible for planning, constructing and operating user facilities to provide scientific and research capabilities for U.S. universities, industry and private and federal laboratories. The SNS, for which BNL is expected to design and build the accumulator ring and transporter lines (see Brookhaven Bulletin, December 11, 1998) is proposed as a next-generation neutron scattering facility that would support the future scientific needs of a diverse community of researchers.

To fulfill the National Environmental Policy Act, the EIS evaluates the potential environmental impacts associated with constructing and operating the proposed SNS at four alternative sites. DOE’s preferred site is ORNL, but, in addition, the draft EIS analyzes sites at Argonne National Laboratory, Illinois; Los Alamos National Laboratory, New Mexico; and BNL. A Record of Decision is planned for May 1999.

Copies of the draft EIS are available to be read at BNL’s Research Library, Bldg. 477; Longwood Public Library, 800 Middle Country Road, Middle Island; and Mastic-Moriches-Shirley Community Library, 301, William Floyd Parkway, Shirley.

DOE encourages comments on the draft EIS, and it will consider all comments received or postmarked by February 8 in preparing the final EIS. Later comments will be considered to the extent practicable.

Written comments may be sent to David Wilfert, U.S. DOE, Oak Ridge Operations Office, 200 Administration Road, 146/SNS, Oak Ridge, Tennessee 37831; or sent by e-mail to NSNSEIS@ornl.gov; or by fax to (423)576-4542. Oral comments may be recorded by calling (800) 927-9964, or presented at the public meetings.

R2A2 Q&A

During the past month, employees have raised a number of questions about compiling a description of their roles, responsibilities, accountabilities and authorities, also known as R2A2s. In response, the Human Resources Division has posted a new section of the R2A2 home page with answers to the five most frequently asked questions:

What will R2A2s be used for?
Who will have access to my R2A2?
Are R2A2s contracts?
Can R2A2s be changed?
What should I do if I disagree with an item that my supervisor has entered on my R2A2?

The World Wide Web address for the R2A2 home page is <http://www.bnl.gov/PERSONNEL/R2A2/>.

For additional help, call R2A2 hotline, Ext. 8200.

Other speakers discussed human activities that have influenced the landscape, including the building of health sanatoria at the turn of the century, the establishment of a firetower observer network, and the cultivation of cranberry and blueberry bogs.

To illustrate these influences, the attendees were taken on an on-site environmental-history field trip titled “Through the Decades.” In collaboration with John Black of the Suffolk Community College’s Summer Field Program, Naidu took the participants on a tour of various locations on site, where they were shown how to infer past land uses by reading current landscape and vegetation patterns.

The field trip ended with a visit to the Lab’s Global ReLeaf pitch pine planting site on the northern perimeter, a project which is a part of a larger effort initiated by American Forests and advanced by the Friends of Brookhaven. Concurrently, BNL’s Robert Howe of the Environmental Restoration Division toured participants around several of the remediation sites now being cleaned up.

At the conference, posters were displayed on post-wildfire vegetation studies, water-table mapping and local history. Other displays were offered, among others, by the Suffolk County Historical Society, the U.S. Fish & Wildlife Service, the Suffolk County Parks Department and the Central Pine Barrens Commission. Also on view were posters on the results of field projects undertaken by summer students at or in association with the Lab. Also, a number of presentations were given to Long Island teachers on how they could use the forest as a tool to teach students about ecology.

Computer Training

The Computing & Communications Division (CCD) is offering the following software classes.

To register, or to view the catalog for other available courses, please contact your Department or Division Training Coordinator. To register interest in future classes, submit a training request form to Pam Mansfield, Bldg. 515. Classes are scheduled based on the number of requests received. For more information, e-mail Mansfield at pam@bnl.gov, or visit the CCD training page at: <http://www.ccd.bnl.gov/bnl/training/>.

January & February Classes

date	course
1/19	Excel - beginner
1/20-21	Access - beginner
1/25-28	Architectural Desktop
1/26	PowerPoint - beginner
1/27	Word - beginner
1/28	Introduction to HTML
1/29	Excel - intermediate
2/2	PowerPoint - intermediate
2/3-4	Access - intermediate
2/5	Outlook
2/8-11	Architectural Desktop
2/10	Microsoft Power Word*

** This transition class is specifically designed for those intermediate and advanced Word-Perfect users who will be moving to Microsoft Word. The training fee is \$81.50.*

VMS Closeout

As VMS Users are aware, the Alpha Cluster has recently been turned off.

To discuss what will happen to the hardware and licenses from the VMS systems, a VMS Closeout Meeting will be held on Wednesday, January 20, at 2 p.m. in the Seminar Room, Bldg. 515. An open Q&A period will follow this discussion.

For more information about VMS systems, refer to: http://www.ccd.bnl.gov/vms/closeout/vms.frames_html.

Courses Offered by St. Joseph’s College

You may be interested in advancing your education by taking accelerated weekend courses offered at the Suffolk campus of the St. Joseph’s College of New York.

To find out more about St. Joseph’s program, visit Berkner Hall on Tuesday, January 19, 11 a.m.-2 p.m., where a St. Joseph’s representative will answer questions and preregister those interested.

Employees may receive tuition assistance for approved college courses. For more information on BNL’s tuition-reimbursement program, contact Marilyn Pandorf, Ext. 5251.

Remembering Al Wolf

A memorial symposium will be held on Wednesday, January 27, to remember renowned BNL Senior Chemist Alfred P. Wolf, who died on December 17, 1998.

The event will be held from 2:30-5 p.m. in the Hamilton Seminar Room of the Chemistry Department. The speakers talking about Wolf’s career and contributions will include Joanna Fowler, Steven Larson, Louis Sokoloff, Michael Welch and others.

A dinner at LaPlage Restaurant, Wading River, will follow the symposium. To attend the dinner, contact Lois Caligiuri, Ext. 4397, fax 7902, loisc@bnl.gov; or Fowler, Ext. 4365, fowler@bnl.gov.

Arrivals & Departures

Arrivals	
Efstathiadis	Info. Tech.
Gifford III	Envir. Rest.
Heaney	Biology
Lewis	Biology
Xu	Applied Science
Departures	
Cheryl-Ann De La Rosa	Envir. Svcs.
Glenda G. Radich	Admin. Supp.
Dmitri Stephani	Instrumentation
Charles F. Vogel	Central Shops
Joseph J. Zeneski	Central Shops

Service Awards

<i>The following employees celebrated service anniversaries in November 1998:</i>	
45 Years	
J. Keith Rowley	Chemistry
35 Years	
William L. Cahill	NSLS
Edward J. McFadden	CCD
Myron Strongin	Physics
30 Years	
Warren S. Hirzel	RHIC
25 Years	
Robert W. Callister	Plant Eng.
Jerry S. Hobson	Plant Eng.
20 Years	
Kathleen M. Barkigia	Appl. Science
Bruce G. Gibbard	RHIC
Heather L. Hartmann	RHIC
Kenneth J. Licata	ES&H Services
William J. McGahern	AGS
Robert S. Meier	AGS
10 Years	
Scott A. Bell	RHIC
Edward L. Durham	Plant Eng.
Lyn M. Fountaine	Plant Eng.
Maria Gatz	CCD
Thomas F. Godzieba	Central Shops
Richard W. Klamis	Plant Eng.
Keith R. Lally	ES&H Services
Joseph F. Muratore	RHIC
David B. Phillips	AGS
Michael Ponticello	Plant Eng.
Brenda E. Riddle	Fin. Services
Francis X. Skidmore	RHIC

<i>The following employees celebrated service anniversaries in December 1998:</i>	
35 Years	
John A. Scesny	Plant Eng.
Robert R. Wheeler	Physics
30 Years	
Lawrence T. Arnold	AGS
25 Years	
Adolph R. Almasy	NSLS
Richard E. Davis	Advanced Tech.
Patricia M. Johnson	Admin. Support
20 Years	
Paula L. Bennett	Biology
Eva Emmerich	AGS
Richard L. Greene	NSLS
Christopher P. Lanni	NSLS
Stephen M. O’Kula	Plant Eng.
Kenneth A. Rogers	AGS
10 Years	
Wei Chen	Physics
Barbara L. Crothamel	Fin. Services
Richard V. De Rocher	Reactor
Darren D. Harris	Plant Eng.
Richard F. Kurz	RHIC
Frank C. Lincoln	Physics
Luis A. Riollano	Central Shops
Jeffrey M. Stuart	Reactor
Stephen J. Valentino	AGS
Douglas D. Wood	RHIC

Holiday Notes

To commemorate the birthday of Martin Luther King Jr., the Lab will be closed on Monday, January 18.

As a result, the following Lab facilities will be closed that day: BERA Sales Office, cafeteria, gym and pool, Omega Leisure Travel Office, Research Library and the Upton branches of the Teachers Federal Credit Union and the U.S. Postal Service.

The Brookhaven Center Club, will open for regular weekend service (see notice below). It will be closed Sunday evening, but will open Monday, 5-9 p.m. The automatic teller machine will be available in the foyer of Berkner Hall as usual.

In addition, the Brookhaven Bulletin will not be published on Friday, January 22.

Weekend Food

Good news for weekend workers: The weekend food service has started again at the Brookhaven Center on Saturdays and Sundays from 7:30 a.m. to 2 p.m. Sandwiches, grilled food and fresh bakery items will be available at the same price as in the Cafeteria.

IAEA Positions Open

The Department of Safeguards of the International Atomic Energy Agency (IAEA) in Vienna, Austria, has a variety of positions available to qualified applicants. Current openings are listed on the IAEA Web page at www.iaea.or.at/worldatom/vacancies. For information on how to apply for IAEA positions, e-mail Donna DeCaro at decaro@bnl.gov.



Placement Notices

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

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

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

For more information, contact the Employment Manager, Ext. 2882; call the JOBLINE, Ext. 7744 (344-7744), for a complete list of all job openings; use a TDD system to access job information by calling (516) 344-6018; or access current job openings on the World Wide Web at <http://www.bnl.gov/JOBS/jobs.html>.

LAB RECRUITMENT - Opportunities for Laboratory employees.

DD8021. SECRETARIAL POSITION - Requires an AAS in secretarial science or equivalent experience, good communication skills, knowledge of Laboratory policies and procedures, and proficiency with Microsoft Word and WordPerfect. Experience required with IPAP and Peoplesoft (Web Req), e-mail, Excel, WWW, INFORM, BNL Travel System and Powerpoint. Must be able to handle multiple assignments and prioritize work. Duties include preparing and distributing reports, monitoring budgets, tracking commitments, organizing and maintaining files. Will act as Records Coordinator and Property Management Representative. Quality Management Office.

OPEN RECRUITMENT - Opportunities for Laboratory employees and outside candidates.

MK7836. SCIENTIST/ENGINEER - Requires experience in the development and utilization of accelerator hardware and diagnostic systems, ability to communicate effectively with Department staff and users, demonstrated accomplishment in accelerator technology, and ability to manage scientific and technical activities. Will function as X-ray ring manager and will implement improvements and upgrades in the operation and performance of the ring. Will have a leading role in the daily operational aspects of the facility. National Synchrotron Light Source Department.

MK8077. POSTDOCTORAL RESEARCH ASSOCIATE - Requires a Ph.D. in accelerator physics with both theoretical and experimental capabilities. Experience in lattice design, particle losses and collimation, space charge effects and accelerator operations is essential for the position. Will participate in the design, construction, installation and commissioning of the Spallation Neutron Source (SNS) accumulator ring and transport system. Alternating Gradient Synchrotron Department.

NS7838. NSLS USER ADMINISTRATOR POSITION - Will be responsible for managing the User Administration Office and administering the user program for

Trip to Nascar 500

Attention car-lovers: BERA is sponsoring a one-day trip to the Pocono 500 Nascar Race on Father's Day, Sunday, June 20.

The cost of \$99 per person includes transportation on a fully equipped bus and terrace vista seats at the grandstand.

The bus will leave the Brookhaven Center at 4 a.m., with free rolls and donuts on board; bring your own juice and coffee.

The race begins at 1 p.m. and ends around 5:30 p.m., so the return will be around midnight.

Buy tickets now at the BERA Sales Office in Berkner Hall, Tuesday-Friday, 9 a.m.-1:30 p.m.

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

Hospitality Committee

With the Recreation Building now open, the Hospitality Committee invites all on-site residents and their friends to join in any or all of the following events to be held there.

Details of these and any other events are posted in the laundry and on the door of the Recreation Building. For more information, call Julie Kim-Zajonz, 929-0405.

Welcome Coffee: will be held every Tuesday, 10-10:30 a.m., in the lounge.

Parent-toddler group: will meet every Wednesday, 9:30 a.m.-11:30 a.m.

Cooking Exchange: Bring a dish to share at a potluck lunch on Thursday, January 21, from noon to 1:30 p.m.

Benefit Plan News

For more information, call Muriel Pfeiffer in the Benefits Office of the Human Resources Division, Ext. 2877, Monday-Thursday, 8:30 a.m.-1 p.m.

Correction: CIGNA Address

The correct office location for the CIGNA PPO Plan is P.O. Box 2005, Farmington, CT 06034, (800) 462-7486.

Qualifying Events

Changes to medical and/or dental coverage may be made only during the annual open enrollment or when a qualifying event occurs.

Qualifying events, such as birth or adoption of a child, marriage, divorce or legal separation, loss of dependent status, or spouse's gain or loss of employment, allow participants to make certain changes to their coverage within 30 days of the event.

Nursery School Holds Registration

The Upton Nursery School, an on-site, parent-run cooperative, is accepting registrations of three- and four-year-olds for the 1999-2000 school year.

The school meets three mornings a week in the Recreation Building and is open to children related to BNL employees, guests and on-site contractors.

The nursery school is not affiliated with the Child Development Center.

For more information or to register your child, call Michelle Hilton, 744-9443, or Shelly Shumway, 732-1367, or e-mail shelly_shumway@yahoo.com.

Learn Meditation In Yoga Classes

Now that the Recreation Center is open, the BERA Indo-American Society will resume its Yoga classes there in the main hall every Wednesday, 12:10 p.m.-12:50 p.m., from January 20.

No admission fee is required to learn this ancient art of meditation, but bring a thick mat or blanket and wear a loose outfit.

If interested, contact Smita Sathe, Ext. 3924.

Equipment Demo

On Tuesday, January 26, from 10 a.m. to 2 p.m. visit Berkner Hall, where Mobile Phone Center will hold a wireless phone promotion for BNLers.

To find out more about the company, call Marco Filippini or Joe Lamonica, 385-4141.

Volleyball

League standings as of January 8

Open League A		Mixed League 2	
Death Volley	23-07	Safe Sets	26-04
Spikers	18-12	Spiked Jello	26-04
Far Side	13-17	Monday Nite Live	22-08
Shank, Carry & Throw	6-24	In Sideout	16-14
		How-Bout-Dis	14-16
		Setups	6-24
Open League B		Nuts & Bolts	6-24
Late Entry	25-05	Just-4-Fun	4-26
Bumpin Uglier	19-11		
Star	16-14		
Rice Ball	0-30	Mixed League 3	
		Upton Ups	23-01
		Group Sets	18-06
Mixed League 1		Six Samurai	13-08
Bikers & Spikers	21-03	NWO	10-14
Set to Kill	14-10	Net Setters	4-20
Scared_Hitless	10-14	Butlers	1-20
Rude Dogs	3-21		

a community of 2,500 researchers annually, including the proposal review process and the scheduling of scientific experiments. Will be involved in developing user policy and procedures, resolving program problems, functioning as liaison to the DOE and outside advisory panels, coordinating with other DOE synchrotron laboratories, developing written and electronic materials for the user community, and managing national and international conferences and workshops. Requires a bachelor's degree, or equivalent, significant experience in the development and implementation of administrative procedures, and demonstrated experience in overseeing a complex variety of administrative functions within a scientific environment. Technical writing experience, knowledge of computerized databases, and excellent oral and written communication skills are necessary; knowledge of Laboratory policies and procedures is highly desirable. National Synchrotron Light Source Department.

DD7725. DESIGN POSITION - (reposting) Requires an AAS or equivalent capabilities and significant experience using AutoCAD-LT software and experience using ACCEL EDA. Knowledge of Spectra Router and PCAD software a plus. Must be able to design analog and digital printed circuit boards from schematics to final assembly drawings, design various electromechanical assemblies and work directly with engineers for each project. Alternating Gradient Synchrotron Department.

DD8168. TECHNICAL POSITION - (temporary position) Requires an AAS in a technical field or equivalent experience. Will prepare programmable samplers (BATS) for field use. Under general supervision will perform electrical, pneumatic and operational testing of the BATS lid (or air flow module—AFM) and base (or power and control module). The lids will require inspection and, when necessary, replacement of pneumatic tubing followed by several pneumatic checks; valve checks (operation, leak-tightness and occasional repair); ohmic desorption electrical resistivity checks and occasionally repair of multiposition valves. The base units will require checks and/or replacement of batteries, pumps and pump-rate settings, printers, automatic operations, displays, connectors, circuit boards, leak-integrity and other tests. Department of Applied Science.