

BSA Distinguished Lecture

Searching for Extraterrestrial Life

In the past decade, numerous scientific studies have given credence to the idea of extraterrestrial life. While many of these investigations have been in the area of planetary science, others have come from studies of life on Earth.

Today, scientists' perception of what constitutes life on Earth has changed drastically.

To talk about the new definition of

life, how its distinctive signatures might be detected, and what strategies might be used to find extraterrestrial life, Kenneth Neelson, a scientist at the Jet Propulsion Laboratory, will give the next BSA Distinguished Lecture.

Entitled "Searching for Extraterrestrial Life: Lessons from the Earth," the lecture will begin at 3 p.m. on Wednesday, June 23, in Berkner Hall.

All are welcome.

As Neelson will discuss, the nature of life on Earth has been redefined today in terms of genetic diversity.

Living organisms are now classified into three kingdoms. Two of these kingdoms, bacteria and archaea, are prokaryotes — cellular organisms that have no distinct nucleus. The third kingdom encompasses complex, multicellular forms — plants, animals and



Kenneth Neelson

fungi — as well as unicellular organisms known as protists, such as amoebae and protozoa.

Protists are eukaryotes, organisms with organized nuclei. The prokaryotic organisms are extremely hardy and genetically diverse life forms capable of inhabiting niches that were not considered habitable even a decade ago. Thus, new methods to find extraterrestrial life would take into account the tenacity and toughness of these life forms.

Kenneth Neelson earned a B.S. in biochemistry in 1965, and a Ph.D. in microbiology in 1969, both from the University of Chicago. After taking a postdoctoral position at Harvard University, Neelson joined the faculty of the Scripps Institution of Oceanography at the University of California, San Diego, in 1973.

In 1985, he took on the title of Distinguished Professor at the University of Wisconsin, Milwaukee, Center for Great Lakes Studies. He joined the Jet Propulsion Laboratory as a senior scientist in 1998, and at the same time, he became a faculty associate at the California Institute of Technology in Pasadena, California.

Among many honors, Neelson has received the National Academy of Sciences' Distinguished Leader in Life Sciences Award in 1998. He is a Fellow of the American Academy of Microbiology and a member of many professional societies, including the American Association for Advancement for Science. — Diane Greenberg

SAS99 Conference Draws 300 to Brookhaven

Approximately 300 scientists from 23 countries convened at BNL from May 17 to 20 for SAS99, the XIth International Conference on Small-Angle Scattering.

In his welcoming address to the conference, Laboratory Director John Marburger underscored BNL's commitment to operating excellent user facilities for scattering, and he set the stage for the plenary lectures which explored novel techniques and applications of structure determination in complex materials.

Most interesting were reports on advances with coherent and micro-focused x-ray and neutron beams, as well as reports on innovative approaches in combining scattering with complementary methods to reveal diverse structures.

Berkner Hall was filled to capacity with conference participants and BNLeers when John Squire of the Imperial College, London, gave the conference lecture on "Movements in a Molecular Symphony — Diffraction Probing of Nature's Linear Motor."

Combining Chopin, stereo slides and animations, Squire led his audience through the working of muscle at the molecular level and defined the extension of scattering analysis of oriented systems as it is applied to polymeric and inorganic materials.

The lecture by Veronica James of the Australian National University on "What Is Hair?" covered her discovery of unique features in the diffraction patterns of hair from diabetics,



Gathered under a tent outside Berkner Hall are many of the 300 participants of SAS99, the XIth International Conference on Small-Angle Scattering held May 17-20. Sponsored by BSA, DOE's Office of Basic Energy Sciences, and other national and international scattering facilities and professional societies, including the Neutron Scattering Society of America, SAS99 was organized locally by: John Axe, former head of BNL's Center of Neutron Science, now retired; Malcolm Capel and Conference Co-Chair Dieter Schneider, Biology Department; Michael Hart, Chair, National Synchrotron Light Source Department; Conference Co-Chair Sow-Hsin Chen, Massachusetts Institute of Technology; and Ben Hsiao, State University of New York at Stony Brook. The conference was coordinated by Ann Emrick, with help from Donna Zadow, Janet Sikora and Denise Kranz, all of BNL's Biology Department.

and, most recently, from carriers of mutations associated with breast cancer.

In addition to the 180 contributions discussed in poster sessions, more than

120 speakers reported new results in the four daily parallel sessions ranging from computation, technique and theory to polymers, complex fluids, and alloys and ceramics.

EPA Awards Superfund Grant to NEAR to Review BNL Cleanup

The U.S. Environmental Protection Agency (EPA) has selected a community group called NEAR, for Neighbors Expecting Accountability & Remediation, to receive a three-year, \$50,000 technical assistance grant (TAG), which will be used to ensure that BNL's effect on public health as a Superfund site is investigated and remediated, and that the community is informed of actual versus perceived dangers resulting from BNL's legacy waste and cleanup.

To hire a technical consultant under this grant, NEAR will issue a request for proposals this summer.

NEAR defines itself as a democratically run coalition of community residents committed to monitoring BNL's operations, and to ensuring protection of the environment and the health and safety of community residents and Lab workers.

"We are pleased that the EPA has awarded this TAG to the community," noted Judy Pannullo, in a press release issued by NEAR on June 2.

The NEAR administrator, Pannullo also is the director of the Long Island Progressive Coalition, which is a 20-year-old, nonprofit group that works on social-justice issues.

Pannullo continued: "We will seek precise, reliable information with which people can make sound and responsible judgements on matters of personal and community health."

The U.S. Congress established the TAG program in 1986, to help communities surrounding Superfund sites understand waste-related technical information better and thus participate more effectively in cleanup decisions.

"This \$50,000 is critical to ensuring the community is involved in the proper environmental cleanup at the Lab and will help to restore public confidence in the Lab's sensitivity to the environment," commented U.S. Representative Michael Forbes (First District-Republican).

As the administrator of the national Superfund program, EPA awards

TAGs of up to \$50,000, but, at any given time, only one TAG is awarded for each of the 1,300 sites on what is called the National Priorities List.

"This grant provides another vehicle to achieve broad-based and informed community access to the federal Superfund cleanup process at the BNL facility," stated EPA's Jeanne Fox.

Community groups that are granted such assistance must present a plan of how they intend to use TAG funds. In addition, they must contribute 20 percent of the total cost of projects supported by TAG dollars, either in cash or in donated supplies and volunteered services.

TAG money may be used to hire technical advisors to review and explain technical documents regarding a site's characterization and cleanup to the community, and to help communicate the community's concerns to the site's management; TAG funds may also pay administrative help.

TAGs may not be used to develop

new information or underwrite legal action.

In 1980, under the Comprehensive Environmental Response, Compensation & Liability Act, a trust fund — known as Superfund — was established for the cleanup of hazardous waste sites in the United States.

Since it was added to the National Priorities List in 1989, the Lab has been a federal Superfund site, as 5 percent of its 5,300 acres is contaminated with hazardous and/or radiological waste due to past use and disposal practices.

Under an agreement involving DOE, EPA and the New York State Department of Environmental Conservation, the Lab's contaminated areas have been undergoing characterization and cleanup since 1992.

Paid for by DOE, the cleanup is about halfway complete, and, by 2006, all contaminated soil will be remediated and all groundwater-treatment systems will be operating.

— Marsha Belford

Work on HFBR Stack

This week, BNLeers may have noticed the start of work on the stack of the High Flux Beam Reactor (HFBR), when a project to repair and repaint the reactor's 320-foot stack got underway.

The project is expected to take approximately ten to 14 weeks and involves patching and repainting of the entire structure. The first step in the project is the installation of a movable scaffolding on the side of the stack, which is visible off site.

The work is being conducted by the Frendolph Construction Corporation of West Babylon, under the supervision of BNL's Plant Engineering Division. For more information, contact Chris Harris, Ext. 2972.

Outreach Workshop
Mind-Body: Part II

To continue to explore the connection between physical health and emotional states, clinical psychologist Ann Kane will return to the Lab to present "The Mind-Body Connection: Part II."

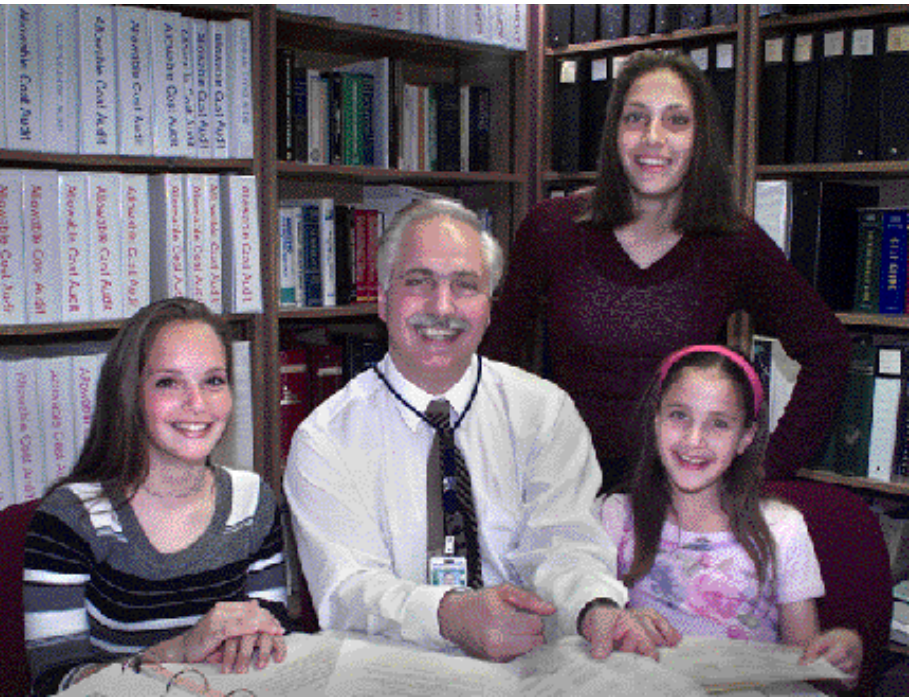
Sponsored by the Employee Assistance Program (EAP) of the Occupational Medicine Clinic, her talk will be on Tuesday, June 22, from noon to 1 p.m. in Berkner Hall. All are invited.

After reviewing the latest research on how personality styles and belief systems affect health, Kane will discuss the effectiveness of behavioral medicine techniques and end with a demonstration of relaxation techniques to reduce stress.

Ann Kane, Ph.D., is a psychoanalyst in private practice in Rockville Centre and New York City.

To register for this workshop, complete and return the bottom portion of the Outreach flyer recently sent to all employees to EAP Staff Psychologist Diane Polowczyk, Bldg. 490, by Monday, June 21. For more information about EAP and its Outreach workshop series, call Ext. 4567.

Three Genoio Girls Among
200 Daughters Taken to Work



Roger Stoutenburgh

(From left) Sisters Lindsay, Lori and Chelsey Genoio spent Thursday, April 22 — the sixth annual national Take Our Daughters to Work Day organized on site by the Human Resources Division (see Brookhaven Bulletin, April 16, 1999) — at BNL with their father, Senior Internal Auditor Gabriel Genoio, learning what their dad does for a living and what careers in science, technology and related fields are out there for them in the future.

As three of the almost 200 daughters and the only set of three sisters brought to work by BNLeers that day, the Genoio girls, who attend school in the Sachem School District, spent that morning in the Internal Audit Office, as their dad went about his business writing reports, preparing work sheets and reviewing budget hours on internal-audit projects. In the afternoon, after being greeted by Lab Director John Marburger, all the girls on site for that day witnessed the Whiz Bang Science Show and toured the Lab site, in a program arranged by the Museum Programs of the Community Relations Office.

Of the three Genoinos at the Lab that day, 10th-grader Lori, age 15, is interested in the field of business and 14-year-old Lindsay, who is in 9th grade, wants to explore her talents in the art world, while Chelsey, an eight-year-old 3rd-grader, is considering a career in architecture. And, since she had so much fun that day, Chelsey has decided that she wants to go back to work with her father even when it is not Take Our Daughters to Work Day.

Not for Women
Scientists Only

The Lab community is invited to the following events, sponsored by Brookhaven Women in Science (BWIS).

Summer Reception

BWIS will hold its 20th annual summer reception on Tuesday, June 22, from 5:15 to 7 p.m. in the inner courtyard of the Physics Department, Bldg. 510. In the event of rain, the party will be moved into Bldg. 510.

On hand for the reception will be the winner of the 1999 Renate W. Chasman Scholarship for women, who will be presented with her award at 5:45 p.m. Refreshments will be served. For more information, call Louise Hanson, Ext. 5849.

Liquid Crystal Studies

At the next BWIS lunch meeting, "X-Ray Studies of Chiral Liquid Crystals" will be discussed by Helen Gleeson, a senior lecturer in the Department of Physics & Astronomy, University of Manchester, England. The talk will be presented on Friday, June 25, at noon in the Seminar Room of the National Synchrotron Light Source (NSLS) Department, Bldg. 725.

Liquid crystals are well-known for their use in electronic displays, such as lap-top computers. This talk introduces liquid crystals and explains why x-rays, such as those produced at the NSLS, can provide useful information about them. Gleeson will present new results on several types of crystals, focusing on time-resolved studies of layer formations in ferroelectric liquid crystals.

Bring your lunch, or, to order sandwiches, call Judy Thompson, Ext. 2297, before 11 a.m. on June 25. Coffee and tea will be served.

Classical Indian Dancers Perform June 27

Originating in the temples of Northern India over 500 years ago, Kathak is a type of classical dance through which dancers enact stories from Indian mythology and, today, contemporary society. One of the most prominent dance styles of India, Kathak features fast, rhythmic and intricate footwork, which is emphasized by the tiny bells tied around the ankle of each dancer.

For a performance sponsored by the BERA Indo-American Association, a professional troupe of five Kathak dancers will appear on stage in Berkner Hall, at 4 p.m. on Sunday, June 27. The event is open to the public, so all are invited.

Tickets for the performance may be purchased in advance from: Dhruba Ghimiray, Ext. 3849; Geeta Joshi-Topé, Ext. 5702; or Kumi Pandya, Ext. 7734. Tickets cost \$10 for adults, \$5 for full-time college students, and \$3 for children 5 to 18 years old. Children under 5 will be admitted free.

New Center Club Chef, Menu Starts 6/22

Flik International, BNL's food-service contractor, has assigned a new chef to the Brookhaven Center Club, the bar-and-grill-style restaurant in Bldg. 30. He is Ed Birmingham, who comes to BNL with considerable industry experience and having had one of his culinary creations featured in a *Newsday* food column.

As part of the facility and food-service upgrades being undertaken at the Brookhaven Center Club, Birmingham has introduced a new menu of selections, all of which will be made on the premises.

The new menu also features what are called "time-crunch-munch" dinner entrées, which are guaranteed to be served within 12 minutes of the time that they were ordered. As in the past, takeout meals will be available by calling ahead to Ext. 2004.

To sample the Center Club's new menu, Flik invites Lab employees, retirees, facility-users, and summer visitors to the Brookhaven Center on Tuesday, June 22, when the menu will be unveiled and a free beverage will be served with all meals ordered.

Brookhaven Center Club Hours

DINNER SERVICE		
days	time	service
Mon.-Fri.	5-11 p.m.	full dinners, beverages 5-8 p.m. light dinner, beverages 8-11 p.m.
Sun.	5-9 p.m.	light dinner, beverages
BRUNCH SERVICE		
days	time	service
Sat., Sun., hol.	7:30 a.m.-2 p.m.	breakfast, lunch including grill items



Roger Stoutenburgh

Rocky Point High School Junior Wins
First Science-in-Society Essay Contest

Five local high school juniors (front row) recently competed in the finals of the first annual science-in-society essay contest sponsored by Brookhaven National Laboratory and the independent organization Friends of Brookhaven (FOB).

Winners their high schools' competitions, the five finalists represented high schools in the Center Moriches, Longwood, Rocky Point, Shoreham-Wading River and William Floyd school districts. At a recent ceremony at the Lab, they were congratulated by, among others, Brookhaven Director John Marburger (second from right) and John Shanklin (far right), FOB president.

After reading her essay aloud, each of the five finalists received \$200 in cash, a certificate of achievement, and a medal. The winner was Meghan Flanagan (center) of Rocky Point, whose essay, entitled "Sound Technology?", explored the use of medical devices called cochlear implants to restore hearing to people who are deaf. For her first-place finish, Flanagan was awarded an additional \$500. Runners-up were: Carolyn Fellrath, Shoreham-Wading River; Sabrina Gardner, Longwood; Danielle McGrory, Center Moriches; and Nancy Oberinger, William Floyd.

The aim of the contest, which was open to juniors from selected schools around Brookhaven, is to challenge students to reflect on the purpose and social implications of scientific research. Prize money is donated by FOB, which is a not-for-profit organization dedicated to advancing scientific and medical research.

Hospitality Committee

The Hospitality Committee invites all on-site residents, their spouses and friends to join it during the following events. More details are posted in the laundry and on the door of the Recreation Building. For more information, call Julie Kim-Zajonz, 929-0405.

Welcome Coffee

Coffee is served to apartment area residents every Tuesday, from 10 a.m. to 11:30 a.m. While the coffee meeting on June 22 will be held in the lounge of the Recreation Building, the meetings from June 29 onward will be held in the covered barbecue area near the apartment area's playground.

Parent-Toddler Group

Parents of two- and three-year-olds are invited to bring the children to the Recreation Building every Wednesday, 9:30-11:30 a.m. For more information and the location of the June 30th meeting, call Sarah Zill, 821-2602.

Early Independence Day BBQ

In celebration of Independence Day, a barbecue will be held in the covered barbecue area on Friday, July 2, at 6 p.m. The Hospitality Committee will provide beverages, hamburgers, hot dogs, and the charcoal for grilling food; participants are asked to bring a side dish, salad or a dessert to share.

To participate, fill out one of the slips that are found in the laundry and will be available during the coffee meetings. Return completed slips to Apartment 3A by next Friday, June 25. For more information, call Kim-Zajonz, or Susan Hart, 821-4257.

Equipment Demo

On Tuesday, June 22, from 10 a.m. to 2 p.m., CTP Wireless will discuss the AT&T corporate cellular rate that it offers BNLers. Free features will include a digital phone, cigarette-lighter adapter, carry case, caller ID, voice mail with notification, and more. For more information, call Dennis Lamm, 585-2900.

Amateur Radio Club

The BERA Amateur Radio Club will next meet at noon on Thursday, June 24, in Berkner Hall, Room D (note change of day and room). On the agenda will be this Saturday's field day event. All Lab employees, guests and licensed amateur radio operators are invited to attend. For more information, contact Chris Neuberger, Ext. 4160, or Ron Dobert, Ext. 4175.

Weight Watchers

Registration for the next on-site, lunchtime Weight Watchers series will be held on Wednesday, June 23, from noon to 1 p.m. in the South Dining Room of the Brookhaven Center.

The class will meet on Wednesday for ten to 12 weeks, depending upon the number of people who sign up. Since the Lab pays \$10 per participant, the fee is \$89 per person. For more information, contact Health Promotion Specialist Mary Wood, Ext. 5923 or wood2@bnl.gov.

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Among the 50 paintings and drawings to be viewed at the National League of American Penwomen's Summer Colorscape exhibit will be Bellport boats and scenery rendered by member Kathy Wayman (right). BNL employee and Penwoman Miriam Kroon (left), will share her poetry with listeners on Sunday, June 27.

All are cordially invited to "Summer Colorscape," Friday through Sunday, June 25-27, an exhibition to celebrate the summer solstice with fine arts and poetry by the Suffolk County branch of the National League of American Penwomen, and music by BNL and local performers. The event is free and will be held in the North Ballroom of the Brookhaven Center. Refreshments will be offered.

Sponsored by the BNL Art Society and BSA, Summer Colorscape will feature about 50 paintings and drawings by 17 distinguished artists of the National League of American Penwomen, which is headquartered in Washington, D.C. In addition, on Sunday, five poet members will read from their work.

Completing this artistic celebration of the season will be music and refreshments. The event's schedule is:

- **Friday, June 25, 5-7:30 p.m.:** Ray Rueger, tenor, will sing Broadway show tunes, and German and Italian songs, accompanied by Jim Ahrend. Wine and hors d'oeuvres will be offered.
- **Saturday, June 26, 2-4 p.m.:** the Long Island Harmonizers, a barbershop quartet, will entertain visitors, who are invited to bring a picnic lunch to eat on the patio while enjoying the singing after seeing the exhibit. Soda will be available.
- **Sunday, June 27, 2-4 p.m.:** the trio of Lois Barton, Mark Barton and Maurice Kemp will perform light classical music on the flute, oboe and piano. Coffee and danish will be at hand.

In Memoriam

Richard Imossi, AGS Department



Richard Imossi

Richard Imossi, a computer analyst in the Alternating Gradient Synchrotron (AGS) Department with 31 years at the Lab, died on June 1 after a long illness. He was 60.

Imossi, who had earned his B.A. in mathematics at St. John's University in 1960, joined BNL's Physics Depart-

ment as a science program analyst II on June 1, 1968. His first job was as a systems analyst on the On-Line Data Facility, which pioneered the first routine use of large-scale time-share computers in physics research.

Imossi transferred to the AGS in 1980 and was promoted to his final title in 1989. At the AGS, Imossi developed data-acquisition software for experiments at the AGS that used the Multiparticle Spectrometer Facility (MPS). These included E852, which searched for meson particles with unusual quantum numbers. He also worked on AGS E787, which investigated rare kaon decay.

Most recently, Imossi served as systems manager of the many computers used to support the AGS and Relative Heavy Ion Collider projects.

"Richard Imossi was very well-liked and well-respected — a quite rare combination," said his supervisor, John Gould, AGS. "He was a complete professional, working hard and producing what was needed. Yet he never promoted himself or made any refer-

BSA Cultural Program

Pianofest Concert Tomorrow Evening

The Pianofest in the Hamptons comes to BNL's Berkner Hall for the first time tomorrow evening, June 19, when a concert will be given by an international cast of young artists playing piano masterworks beginning at 7:30 p.m. While students may attend for free, tickets for the evening concert cost \$10 for adults.

Directed by Paul Schenly, the Hamptons Pianofest is in its 11th season of concerts by rising star pianists and master classes in Southampton and East Hampton — and now at Brookhaven. After tomorrow evening's performance, the Pianofest in the Hamptons will return to the Lab thrice for free noon recitals: on Wednesday, June 30, and July 7 & 21.

Wanted: BNL Ambassadors

This Old Schoolhouse

The 1872 one-room schoolhouse on the Longwood Estate off Smith Road in Ridge needs a face lift, so Lab volunteers are needed to help the Ridge Civic Association paint this old school.

The work will take place on Saturday, June 26, from 9 a.m. to noon. Paint will be provided, so wear an old BNL T-shirt and bring brushes, work gloves, ladders, small hand and power tools, and plenty of community spirit.

Employees, retirees, facility users, summer visitors, and their families and friends are invited. No experience is required. To register, call Elaine Lowenstein, Community Relations Office, Ext 2400.

Arrivals & Departures

Arrivals	
Stuart A. Carroll	Plant Eng.
Frank Clarke	AGS
Henry M. Hocker	RHIC
Anne B. Katz	Biology
Caroline F. Kramer	Reactor
Brian W. Kushner	NSLS
James J. Marron	Financial Serv.
Boris L. Muratov	Financial Serv.
Leo Palumbo	Waste Management
Anthony C. Santiago	NSLS
Departures	
Kathryn E. Gavin	Media & Comm.
Bart J. Giuliano III	Plant Eng.
Brian Montheard	RHIC
Magdalene Rando	Plant Eng.
John Skonieczny	Reactor
Francis S. Stawski	Plant Eng.

ence to what he had accomplished. He was a good person to work with, and this place is not the same without him."

Said Bill Love, a physicist in the Physics Department who worked on the MPS and with Imossi over many years: "Rich came to BNL to help manage the rapidly increasing array of computers dedicated to the handling of data from AGS experiments and the on-line monitoring of those experiments, especially the MPS. Responsible mostly for the system software, Rich took an unusually strong interest in the problems of the experimenters and worked tirelessly to match the software capabilities with the needs. The dialog generally took the form of a cheerful badinage, with Rich quite unintimidated by the sometimes extravagant requests of his users, but always ready with a practical suggestion for a solution.

"The development of the highly regarded On-Line Data Facility owed much to Rich's ingenuity," concluded Love. "He is greatly missed."

A resident of Smithtown, Imossi is survived by his wife Joyce; seven children: Michele, Rick, Wayne, Melissa, Amy, Jill, and John; and three grandchildren: Morgan, Catherine, and Richard Thomas. — Liz Seubert

No Bulletin July 9

In observance of Independence Day, the Lab will be closed on Monday and Tuesday, July 5 & 6, so there will be no Bulletin that Friday, July 9.

BERA Bus Trips

To make paid reservations, go to 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. 3347.

To Yankee Stadium 7/23

Yankee Stadium in the Bronx is the destination of the BERA bus trip on Friday, July 23, for the 7:30 p.m. game of the New York Yankees versus the Cleveland Indians.

The fully equipped coach bus will leave the Brookhaven Center at 4:30 p.m. sharp, so passengers must arrive by 4:15 p.m. The game ends at approximately 10:30 p.m., at which time the bus will depart for BNL. The per-person cost is \$43, which includes round-trip transportation and admission to the game. Only a few seats remain, so, sign up now.

To Radio City Music Hall 12/5

Is it too early to think about Christmas? Not at all, especially if you are thinking of seeing the Christmas Show in the newly refurbished Radio City Music Hall in New York City. On Sunday, December 5, BERA will have a bus trip to see the 5 p.m. show, which will feature some new sets and costumes.

The bus will leave the Brookhaven Center promptly at 11:30 a.m., so, before seeing the show, participants will be able to enjoy the holiday decorations and shopping. The bus will return to BNL after the show ends, arriving at the Lab at approximately 9:30 p.m.

The trip on the fully equipped coach will cost \$85 per person, which includes orchestra or front mezzanine seats for the show.

Duplicate Bridge Club

The BERA Bridge Club runs a duplicate bridge game every other week on Thursday evenings, starting at 7:15 p.m. in the cafeteria. The 1999 summer game schedule is as follows: June 24; July 8 & 22; and August 5 & 19.

Additional games are being considered. For more information, call Morris Strongson, Ext. 4192.



LABORATORY RECRUITMENT - Opportunities for Laboratory employees.

DD8486. ADMINISTRATIVE/SYSTEMS POSITION - Requires a bachelor's degree or equivalent in a relevant field, and extensive skills and experience in automated business applications and user support. Experience is required with: Windows 95, 98 and NT; and word processing, database and spreadsheet applications. Experience with Lab-wide business systems is desired. Must have good verbal and written skills, be able to work independently, and have demonstrated problem-solving skills. Will be responsible for automated programs/systems, some of which are unique to staff services functions. Will coordinate and administer the business information and processing systems, and provide assistance to staff in the use/application of these systems. Will provide support to functional areas, and assist with special projects and analyses of various staff services functions. Administrative Support Division.

DD7096. SECRETARIAL POSITION - Requires an AAS degree in secretarial science or equivalent, knowledge of Lab policies and procedures, demonstrated organization skills, and proficiency in Word, PowerPoint and Excel. Excellent communication skills are essential, as is the ability to interact with all levels of management, and Lab committees, community organizations and government agencies. Reporting to the Diversity Manager, will provide secretarial and administrative support to the Diversity Office and to the Lab's Women's Program & Diversity Management Steering Committee. Human Resources Division.

OPEN RECRUITMENT - Opportunities for Laboratory employees and outside candidates.

MK1000. INDUSTRIAL HYGIENE, GROUP LEADER POSITION - Requires an advanced degree in industrial

hygiene or related field, significant experience in the industrial hygiene field, and experience providing guidance and support to a professional and technical support staff. Will be responsible for assigning work, responding to internal and external requests for information and guidance on safety and health (S&H) issues, developing S&H procedures and guidelines for Lab use, and resolving conflicts arising from policies, procedures and guidelines. Will make recommendations and participate in developing and maintaining management systems and programs that support Laboratory operations, products or services. Safety & Health Services Division.

DD8010. TECHNICAL POSITION - (term appointment) Requires an AAS degree in electromechanical technology or equivalent experience, and the ability to work with scientists, understand research problems and apply solutions. Will assist assembling, testing, maintaining and repairing equipment related to the PHOBOS experiment at RHIC. Familiarity with RHIC, especially PHOBOS highly desirable. Chemistry Department.

DD7370. TECHNICAL POSITION - (reposting) Requires an AAS degree in electrical/nuclear technology and/or equivalent experience with calibrating, troubleshooting, and repairing electrical and pneumatic-process instrumentation. Will perform installation, maintenance, and repair tasks at research reactor facilities and on auxiliary equipment. Previous work experience as instrument technician in a nuclear facility is desirable. Must obtain and maintain a DOE security clearance. Reactor Division.

DD8304. SECRETARIAL POSITION - (part-time, 20-percent position) Duties include receiving, processing and managing classified documents in the classified documents rooms of Bldgs. 197C and 703. Additional responsibilities include: timely pickup, logging in, storing, marking, reproducing, transmitting, destruction, and related record-keeping of classified documents. Will maintain CDR DOCS database and secure telephone unit. Must obtain and maintain a DOE security clearance. Department of Advanced Technology.

In Appreciation

Our heartfelt thanks for your love and support with the tragic passing of our beloved Alma.
— Jerri, Tara & Vincent Castillo

To all who have made my six years at BNL exciting, educational, fun, and rewarding, my deepest thanks and fondest farewell as I join Sean in Michigan! I'll miss you all.
— Kara Villamil

Lena and Clarence thank the Biology Department, the BNL Choir, and all their friends at the Lab for their sympathy following the passing of their brother.
— the Wilkins

With heartfelt gratitude, the family of Richard Imossi thanks all his coworkers for their kind expression of sympathy. The outpouring of love and support was of great comfort during this difficult time. God Bless!
— the Imossi family