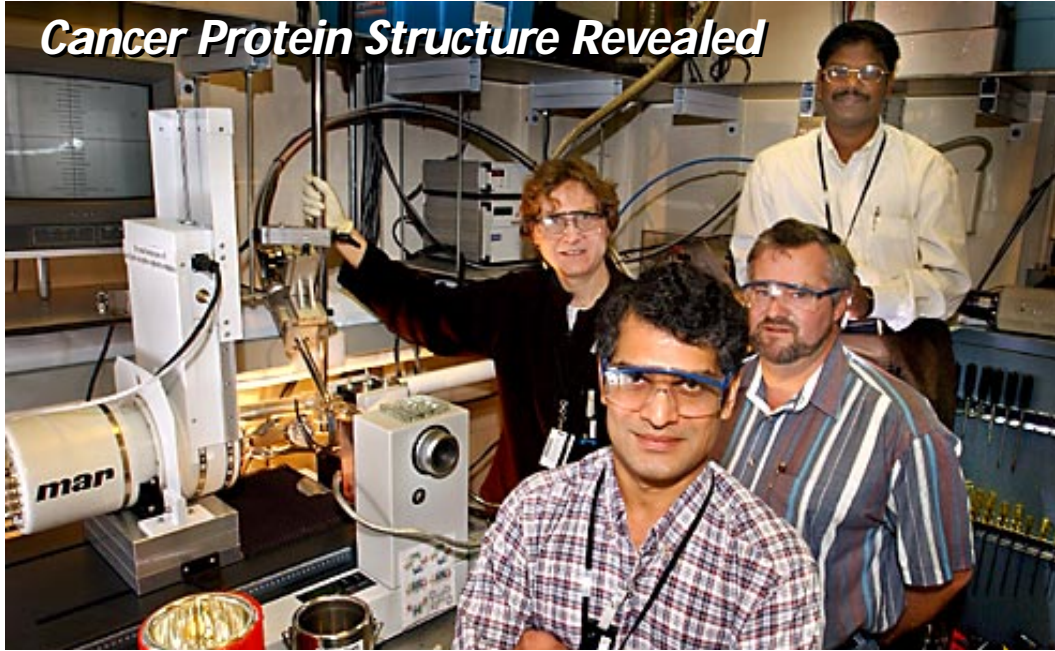


Cancer Protein Structure Revealed



Roger Stoulenburgh 00560102

Using beams of powerful x-rays at the National Synchrotron Light Source (NSLS), scientists from BNL and the Memorial Sloan-Kettering Cancer Center have produced high-resolution, molecular-level images of two cancer-related proteins binding to one another. At the NSLS, x-rays were diffracted off a crystalline sample of the protein complex from a variety of angles, creating a pattern that reveals the 3-D structure. These first-ever detailed pictures indicate which areas of the proteins are most essential for the development of cancer. They could be used to design novel drugs that interfere with the proteins' function and prevent cancer growth.

Here (see photo) at beam line X9A, where the research was done, are: (counterclockwise from the front) Kanagalaghatta Rajashankar, Juha Himanen, Radhakannan Thirumuruhan, and Michael Sullivan. BNL's Rajashankar is the project's crystallographer, collaborating with Himanen and Dimitar Nikolov at Memorial Sloan-Kettering. Everyday operation of beam line X9A is carried out by Thirumuruhan, beam-line scientist, and Sullivan, beam-line engineer. The apparatus in the picture records x-ray diffraction patterns from protein crystals.

For more information on this topic, go to www.bnl.gov/bnlweb/pubaf/pr/2001/bnlpr121901.htm.

BNL Honors 12 Employees

For Science & Technology, Engineering, Support

At a ceremony and reception hosted by Interim BNL Director Peter Paul on Wednesday, January 30, in Berkner Hall, 12 Lab employees were awarded BNL Employee Recognition Awards for their talent and dedication.

In opening the event, Compensation Manager Robert Kelly, Human Resources Division, explained that while Lab-wide awards have been presented for 11 years, this is the third year that a ceremony and reception have been held to celebrate the award winners' distinguished contributions and to recognize the value that BNL places on their achievements.

The three major BNL awards are: the Science & Technology Award, a \$5,000 prize that may be won in any scientific or technical discipline other than engineering and computing; the Engineering Award, a \$5,000 prize honoring engineering and computing contributions; and the Brookhaven Award, a \$2,000 prize which recognizes key support-function contributors whose performance and achievements represent outstanding service to BNL.



Roger Stoulenburgh 00560102

Science & Technology awardees (back, from left) Frank Paige, Benjamin Ocko; (front) Triveni Srinivasan-Rao, Morris Bullock.

FY2002 BNL Employee Recognition Awardees

Science & Technology Award: Morris Bullock, Chemistry Department; Benjamin Ocko, Physics Department; Frank Paige, Physics, Triveni Srinivasan-Rao, Instrumentation Division (see photo above).

Engineering Award: Ralph Brown, Physics; Michael Schaeffer, Plant Engineering Division; Thomas Shea, Physics.

Brookhaven Award: Katherine Carney, Waste Management Division; Michael Cowell, Environmental Management Directorate; Robert DiNardo, Instrumentation; Kathy Geiger, Community, Education, Government & Public Affairs; Elizabeth Mogavero, Physics.

Also congratulated that evening were last year's Spotlight Award recipients, recognized for their response to the extraordinary needs of their departments or divisions. (continued on page 2)

370th Brookhaven Lecture, 2/20

On Inspection With the International Atomic Energy Agency

In 1957, following President Eisenhower's "Atoms for Peace" speech at the United Nations (see box, below, right), the International Atomic Energy Agency (IAEA) was established to promote the peaceful uses of nuclear energy, to promote a comprehensive and effective worldwide nuclear safety culture, and to verify that nuclear materials are being used exclusively for peaceful purposes.

Safeguarding nuclear material and preventing it from entering the hands of terrorist groups and rogue nations has always been a primary concern of the IAEA, and the task of preventing the proliferation of nuclear material has been met with a greater degree of urgency following the September 11th terrorist attacks.

To learn how the Lab supports these and other IAEA initiatives, join Susan Pepper, a senior project engineer in BNL's Nonproliferation & National Security (NNS) Department and head of the BNL-based International Safeguards Projects Office (ISPO), as she presents the 370th Brookhaven Lecture, "On Inspection With the International Atomic Energy Agency." Pepper will speak on Wednesday, February 20, at 4 p.m. in Berkner Hall, when she will be introduced by NNS Department Chair Joseph Indusi.

Pepper will speak on BNL's involvement with the IAEA and will discuss what safeguard inspectors do when examining a nuclear facility.

Pepper received her B.S. and M.S. in civil engineering from the Massachusetts Institute of Technology (MIT). Her M.S. was earned, in part, as a result of work performed at BNL through a 1982 MIT/BNL engineering internship program.

In 1985, Pepper joined BNL as a staff engineer in what was the Department of Nuclear Energy, where she worked in the Structural Analysis Division analyzing safety-related structures and their response under various loads.

Pepper joined ISPO in 1993 and from 1994 to 1998 served as the ISPO liaison officer in Vienna, Austria, where she was responsible for ensuring that IAEA task officers had sufficient information to manage U.S. support program tasks.

Refreshments will be offered before and after the lecture. To accompany the lecturer to dinner after the talk, contact Michele Rabatin, Ext. 2927.

— John Galvin



Roger Stoulenburgh 00560102

'Atoms for Peace' Stamp

On July 28, 1955, on the eve of the International Conference on Atomic Energy in Geneva, Switzerland, the U.S. Post Office issued this "Atoms for Peace" stamp designed by George Cox, a technical illustrator in BNL's Photography & Graphic Arts Division.

Earlier that year, Cox had responded to President Eisenhower's request for a design to commemorate the Atoms for Peace Program, and his rendering was selected as the best of those submitted by illustrators throughout the nation.



Cokinos Elected ANS Fellow

Dimitrios Cokinos, Nonproliferation & National Security (NNS) Department, has been elected a Fellow of the American Nuclear Society (ANS).

ANS is an international scientific and educational organization established in 1954 to unify the professional activities within the diverse fields of nuclear science and technology. ANS Fellows have made significant contributions to the advancement of nuclear science and technology. The 11,000-member society elected 11 Fellows in 2001.

Cokinos was cited "for his leadership in the field of pulsed neutron physics and for developing and expanding of American National Standards Institute (ANSI) /ANS reactor physics (cont'd., page 2)



Roger Stoulenburgh 00270102

Calendar of Laboratory Events

- The BERA Sales Office is located in Berkner Hall and is open weekdays from 9 a.m. to 3 p.m. For more information on BERA events, contact Andrea Dehler, Ext. 3347; or M. Kay Dellimore, Ext. 2873.
- Additional information for Hospitality Committee events can be found at the Lollipop House and the laundry in the apartment area.
- The Recreation Building (Rec. Bldg.) is located in the apartment area.
- Contact names are provided for most events for more information.
- Calendar events flagged with an asterisk (*) have an accompanying story in this week's Bulletin.

— EACH WEEK —

Mondays: BNL Gospel Choir

5:15-7 p.m. Berkner Hall. www.bnl.gov/bera/activities/choir/.

Mon., Tues., & Thurs.: Aqua Aerobics

5:15-6:15 p.m. \$2 pool fee per class or use pool pass. Mary Wood, Ext. 5923.

Mon., Tues., & Thurs.: Kickboxing

\$5 per class. Mon. & Thurs. noon-1 p.m. in the gym; Tues., 5:15-6:15 p.m. in the gym; Thurs., 5:15-6:15 p.m. in Brookhaven Ctr. Registration is required. Mary Wood, Ext. 5923, or wood2@bnl.gov.

Mon., Tues., & Fri.: Tai Chi

12:15-12:45 p.m., Rec. Bldg. Scott Bradley, Ext. 5745, bradley@bnl.gov.

Tuesdays: Welcome Coffee

10-11:30 a.m. Rec. Bldg. Hospitality event. Come and meet friends. The first Tuesday of every month is special for Lab newcomers and leaving guests. Hospitality Chair Mimi Luccio, 821-1435.

Tuesdays: Toastmasters

Meetings are 1st and 3rd Tuesday of each month at 5:30 p.m. in Bldg. 463, Room 160. Guests, visitors always welcome. www.bnl.gov/bera/activities/toastmasters/default.htm.

Tuesdays & Thursdays: Aerobics

5:15-6:30 p.m., \$4 per class. Rec. Bldg. Pat Flood, Ext. 7886.

Tues., Wed., Thurs., & Fri.: English for Speakers of Other Languages Classes

Various times. Rec. Bldg., 2nd Floor. Learn English, Make Friends. Jen Lynch, Ext. 4894.

Wednesdays: English Exchange Table

noon-1:30 p.m., Berkner Hall. Native and non-native English speakers are welcome. Make friends and improve English skills. Jen, Ext. 4894, lynch@bnl.gov.

Wednesdays: Weight Watchers

noon-1 p.m., Brookhaven Center South Room. Mary Wood, Ext. 5923, wood2@bnl.gov.

Wednesdays: Yoga Practice

noon-1 p.m., Rec. Bldg. Free. Ila Campbell, Ext. 2206.

Wednesdays: Stretch

5:15-6:15 p.m., \$4 per class. Rec. Bldg. Pat Flood, Ext. 7886.

Wednesdays: BNL Ballroom, Latin & Swing Dance Club Lessons

6-9 p.m. North Ballroom, Brookhaven Center. Marsha Belford, belford@bnl.gov or Ext. 5053, or www.bnl.gov/bera/activities/dance. Register now for series 3; see listing for 2/6.

Thursdays: Falun Dafa Class

noon-1 p.m., Free. Rec. Bldg. Falun Dafa refines the body and mind through exercises, meditation. www.falundafa.org.

Fridays: BNL Social & Cultural Club

7-11:30 p.m., Brookhaven Ctr., Dance Social. Rudy Alforque, Ext. 4733, rudy@bnl.gov.

— THIS WEEKEND —

Friday, 2/15

Potluck Party Tonight

5:30 p.m., Rec. Bldg. Bring friends, family, and your favorite dish to share. Mimi Luccio, 821-1435, or Shashi Somani, Ext. 1064.

— NEXT WEEK —

Monday, 2/18

Presidents' Day

BNL will be closed in honor of Presidents' Day. Because of the holiday, no Bulletin will be published this week.

ESOL Monday Night Movie

7 p.m., Rec. Bldg. Meet new people, eat popcorn, and watch the free video, "Crouching Tiger, Hidden Dragon." This film is in Chinese with English subtitles. Children are welcome. Sponsored by BNL's English for Speakers of Other Languages Program. Jen Lynch, Ext. 4894, lynch@bnl.gov.

Tuesday, 2/19

*Humorous Speech Contest

5:30 p.m., Bldg. 463, Room 160. Hosted by BNL Toastmasters Club. Guests are especially welcome. Come enjoy entertaining speeches offered by this friendly, supportive group. Nancy Manning, Ext. 5744 or nmanning@bnl.gov.

BNL Employees Honored

(cont'd.)

Information on the Science & Technology award winners is given below; descriptions of other winners' contributions will be given in forthcoming Bulletins.

"These are the giants on whose shoulders we are standing," declared BNL Interim Director Peter Paul, who summarized each Science & Technology awardee's achievements as follows:

Morris Bullock



Morris Bullock, a chemist in the Chemistry Department, performed collaborative research with industrial partners at DuPont's Central R&D Department that led to the invention of a new class of homogeneous catalysts.

Through these catalysts, plant-derived feedstocks or raw materials may be converted into industrially useful materials such as chemicals and synthetic fibers. The catalysts, based on organometallic ruthenium complexes, carry out the selective deoxygenation of diols to produce terminal alcohols, while the oxygen that is removed from the diol is converted to water.

Industrial chemicals and fibers like nylon are traditionally derived from petroleum-based feedstocks. The plant-based products resulting from Bullock's research promise to help meet national energy needs as cheaper, more environmentally friendly alternatives for DuPont and other chemical and synthetic-fiber manufacturers.

Bullock's success, based on years of DOE-supported fundamental research on reactions of metal hydride complexes, brings recognition to BNL from both DOE and industry.

Benjamin Ocko



Benjamin Ocko, a senior physicist in the Physics Department, was awarded for his remarkable contributions to the understanding of liquid-solid and liquid-vapor interfaces.

Examples of Ocko's scientific accomplishments include:

- the discovery of surface layering at liquid metal surfaces, following a prediction made decades before his experiments,
- the discovery of surface freezing in molecular fluids, an intellectual surprise with important practical consequences,
- the demonstration of surface reconstruction at an electrified liquid/solid interface, which helped spawn a new field of in-situ structural electrochemistry.

Ocko has also played a crucial role in the design and construction of the novel instruments used in these and other studies.

A giant in the field of x-ray scattering studies of liquid/vapor and liquid-solid interfaces, Ocko has brought great credit to the Laboratory.

Frank Paige



Frank Paige, a senior physicist in the Physics Department, is a world-renowned theorist who is being recognized for his many seminal contributions to particle physics over 25 years at BNL.

Examples of his accomplishments include:

- his calculation of the next-to-leading order QCD corrections to Drell-Yan production, a result so well verified experimentally that it can be used to calibrate detectors,
- his development of the ISAJET Monte Carlo program for hadronic interactions, now used by nearly all current collider experimental collaborations worldwide
- his systematic study of supersymmetric models in order to understand the discovery potential of major, new experiments at future accelerators.

Paige plays a special role at Brookhaven as a theorist who is in constant collaboration with experimentalists, and who has had enormous positive impact on the Lab's intellectual enterprise.

Triveni Srinivasan-Rao



Triveni Srinivasan-Rao, a physicist in the Instrumentation Division, is recognized internationally for her research and development of high quantum efficiency photocathodes.

Srinivasan-Rao joined BNL in 1985 and initiated and built a new laser laboratory, which includes a 1-to-5 megavolt, 1-nanosecond high-voltage pulser facility for photocathode studies. She now leads Instrumentation's Laser Applications Group.

In her work, Srinivasan-Rao has successfully integrated research on the physics of photoemission, development of photocathode surface treatment methods, development of complex tools, broad collaboration with scientists from BNL and elsewhere, and collaborative arrangements and projects with industry.

Electron guns, resulting from Srinivasan-Rao's work on photocathodes, are in operation at three BNL facilities: ATF, DUV-FEL and LEAF. Her work is now focused on projects vital for BNL's future, such as PERL, a RHIC electron cooler, and e-RHIC.

Submit BERA Board Nominations Today

All employees, facility users, visitors, and guests who wish to propose a nominee for the 2002 BERA Board election must do so by the end of today, Friday, February 15. To make a nomination, contact Al Boerner, Ext. 5990, Joe DeCicco, Ext. 2022, Ray Dumont, Ext. 4243, Frank Dusek, Ext. 2022, Linda Greves, Ext. 3750, Juanita McKinney, Ext. 3915, Denise Monteleone, Ext. 3406, Chris Neuberger, Ext. 6062, Maria Pacella, Ext. 3341, or Ken Sutter, Ext. 4514. Propose only people who agree to accept nomination.

Noon Recital 2/20: Pianist Ogwo

On Wednesday, February 20, pianist Nnenna Ogwo will give an encore performance, returning to BNL by request after her Brahms recital in April 2000.

This year, Ogwo will play music by Bach, Mozart, and Scriabin. She has performed in Budapest, Vienna, Montevideo, and numerous U.S. locations. Her awards include the Young Keyboard Artists International Competition, a Fulbright Award, and a Turner Fellowship. Noon recitals are free and open to the public.



Cokinos Elected ANS Fellow

(cont'd.)

standards for reactor design calculations."

"I am honored that the research I did as a graduate student and researcher at Columbia, as well as my more recent work in reactor standards, has been recognized by the ANS," Cokinos said. "My work in nuclear safety at BNL has helped to make possible my contributions to ANSI/ANS reactor physics standards."

Cokinos used the strong-pulsed spallation neutron source of the Columbia Nevis Synchrotron to study the interaction between neutrons and nuclei in selected materials.

His thesis paper described the decay, or rate of decrease, of nanosecond-bursts of neutrons injected in assemblies of neutron-absorbing materials, which provided important information about changes in energy of neutrons in these media.

Cokinos's measurement of the capture of neutrons traveling at 2200 meters per second by protons was the most precise at the time. It is still one of the most precise and, in succeeding decades, has been important in the design of light water reactors.

Since the 1970s, Cokinos has worked with a group of experts on developing ANSI/ANS physics standards for both research and power reactors in the U.S. and abroad. These standards

provide reactor designers with guidelines for the safe construction and operation of reactors.

"There is an effort at DOE to move ahead with 'generation four' nuclear reactors," said Cokinos. "These reactors would be inherently safe and economical and will incorporate special safeguards to prevent the diversion of nuclear materials. The standards that I helped develop would be relevant to these new reactors."

At BNL, Cokinos has worked on the safety analysis of light water reactor systems, the design of a target for accelerator production of tritium, and nuclear safeguards. He aided in the analysis of both the Three Mile Island and Chernobyl nuclear accidents to pinpoint the causes of each. Currently, he works for a DOE-funded, multi-lab program with Russian scientists to control and safeguard nuclear materials in Russia.

Cokinos earned a B.S. in physics from Athens University/Central State College, Ohio, in 1957, an M.S. in nuclear engineering from North Carolina State University in 1959, and a Ph.D. in nuclear science and engineering from Columbia University in 1969. He joined BNL in 1977 as a nuclear engineer, retired in 1999, and is currently a consultant in NSS.

— Diane Greenberg

In Memoriam

Louis Caiola, who had joined the Lab on September 17, 1947, as a design draftsman B in what became the Plant Engineering Division, died on January 16, 2001, at 85 years of age. He had risen to Project Engineer II before retiring on January 23, 1981.

Kenneth Grist, who had taken a position in the Biology Department as a biologist associate III on July 11, 1960, and, as a biologist associate II, had left the Lab on April 26, 1983, on long-term disability, died on February 14, 2001. He was 70.

Anthony Meo, who had joined Staff Services as a clerk A on March 25, 1947, died on May 1, 2001, at age 82. After 34 years at the Lab, he had retired as a senior technical specialist on May 8, 1981, from what is now the Instrumentation Division.

Clare Sheppard, who had joined the BNL clerical pool on July 8, 1985, and had left the Lab from the Physics Department as an executive secretary on May 12, 1989, died on May 8, 2001, at the age of 70.

Regina Tracy, who had entered the Director's Office as a secretary on June 16, 1975, died on June 26, 2001, at the age of 85. As a senior administrative assistant from the Budget Office, she had left the Lab on long-term disability on September 9, 1986.

James Vogel, who had joined the Lab as auto/truck mechanic in the Staff Services Division on February 9, 1976, died on June 20, 2001. He was 73. He had retired from Staff Services on April 27, 1990.

Eugene Mohlmann, who had joined BNL on May 5, 1959, died on July 27, 2001, at the age of 82. On December 31, 1989, after 40 years of service to the Lab, he had retired as Senior Buyer from the former Contracts & Procurement Division.

Robert Dilg, who had come to the Lab on April 11, 1960, as a laborer in the former Plant Maintenance Division, and had left on long-term disability as a Plant Engineering Division driver on February 3, 1983, died on October 9, 2001. He was 79.

Attn.: Vietnam Vets Who Have Diabetes

Vietnam veterans with Type II diabetes are now eligible for disability compensation from the United States Department of Veterans Affairs, based on their presumed exposure to Agent Orange or other herbicides while serving in Southeast Asia.

State Veterans' Counselor John Daniels of the New York State Division of Veterans' Affairs, Riverhead, contacted BNL's Diversity Office Manager, Lorraine Merdon, to ask her to inform BNL's Vietnam-era veterans of this compensation.

More than 200 BNL employees are veterans, identified by their having voluntarily completed a self-identification form. The number of veterans is reported to the Department of Labor as part of BNL's compliance program as a federal contractor.

For more information or assistance in filing a claim for diabetes, or any veterans' benefit, contact State Veterans' Counselor John Daniels at the Combined State & County Veterans Service Agencies, Riverhead County Center Building, (631) 852-1410.

A 'Black History Month' Wonderful Evening Thanks to Gospel Extravaganza Organizers



Roger Stoutenburgh 00080102

On Saturday, February 2, the Gospel Extravaganza, held to honor Black History Month, drew a sellout crowd of more than 500 people to Berkner Hall. With the help of this year's organizers — the BERA Afro-American Culture Club and other interested BNL employees — the evening was a huge success, according to April Gray (seated, third from left), one of the event coordinators. Nicole Trent (seated, fourth from left) took the role of "Mistress of Ceremonies" for the Extravaganza, which included participation by several BNLers, including Charles Edwards (standing, fourth from left), Rosa Palmore (not pictured), and Trent, who all sang with the Joy of Life Ensemble, the first performers after the intermission. The show was opened by the Spiritual Stars of Riverhead and included performances by vocalist Rosemary Rogers of Southampton, the First Baptist Church Dance Ministry of Riverhead, Gene Bridges and the Wings of Faith, and the Long Island Voices Foundation Mass Choir. Planning for an event of this kind is a tremendous undertaking, Gray said, "but it's well worth the effort, because it unites so many members of the BNL community and neighbors from the surrounding area. We've held Gospel Extravaganzas since 1981, and every year, local community members and BNLers ask for another — so we know our efforts are appreciated." Organizers include: (standing, from left) Mary Durham, Cheryl Henderson, Martha Bryant, Edwards, Sandra Brown, Arthur Harris, Ulysses Tapley, and Renee Flack. (Seated, from left) Tony McGill, Margaret Narvaez, Gray, Trent, and Barbara Langhorne. Not pictured are Shirley Ayers, Shelby Bowers, Darren Harris, Dollie Johnson, Victoria Kircher, Leon Lawrence, Palmore, Barbara Simpson, and Abass Wessen.



Service Awards

The following employees celebrated BNL service anniversaries during December 2001:

- 25 YEARS**
- Nancy Griffin S&S
Donald Gates ITD
- 20 YEARS**
- Theodore Ottavio C-A
Theresa Esposito ISD
- 10 YEARS**
- Steven Coleman Waste Mgmt.
Donald Sievers Plant Eng.
Cynthia Longo C-A
Nanci Hoey Training Office
James Johnsen Plant Eng.
Timothy Carroll C-A
F. Michael Hemmer C-A
Donald Bruno C-A
James Rank C-A
Dennis Remski C-A
Dennis Poshka NSLS
Charles Whalen C-A
Marc Montemagno Instrum.
Ernest Simon Plant Eng.
Patrick Sullivan Rad. Control
Stephen Pontieri C-A
Ronald Ryan Instrumentation
Barry Lafler Chemistry
Patricia Farrington C-A
Robert Lee Env. Svcs.

Pick a Summer Student

Student applications for the summer-2002 DOE-sponsored undergraduate internship programs will be available for review on an electronic database starting today, Friday, February 15. This year it is "first come, first-served" — so those interested should make an early choice. The address and passwords for accessing the database are available from the Office of Educational Programs (OEP) or departmental education coordinators. The programs will run for ten weeks, June 3-August 9.

For more information, contact Louise Hanson, Ext. 5849 or hanson2@bnl.gov, Renée Flack, Ext. 3316 or flack@bnl.gov, Catherine Osiecki, Ext. 4503 or cathyo@bnl.gov, or Brian Murfin, Ext. 7171 or bmurfin@bnl.gov.

Arrivals & Departures

- Arrivals**
- Patricia Leone Medical
Weiquan Lu Medical
Opal Thomas Medical
- Departures**
- Fredrick Brechtel Env. Sci.

COMPUTER TRAINING

The following PC training classes have been scheduled for March, 2002:

FrontPage - Introduction, 3/6
Access - Intermediate, 3/13&14 (2-day class)
Outlook, 3/15
Project - Introduction, 3/20&21 (2-day class)
Excel - Advanced, 3/22
PowerPoint - Introduction, 3/27
Word - Advanced, 3/28&29 (2-day class)

To register for the classes listed, or to register your interest in a future class, submit a training request form, and an ILR, or Web requisition, for the appropriate amount, to Pam Mansfield, Bldg. 515. When the form is received, your name will be placed on a waiting list. All classes are scheduled based on the number of requests received. For more information, registration forms, and class schedules, visit the ITD training page at: <http://training.bnl.gov/>.

Toastmasters to Host Humorous Speech Contest, 2/19

All BNLers are welcome to attend the BNL Toastmasters Humorous Speech Contest on Tuesday, February 19, 5:30-7 p.m., in Bldg. 463, Room 160. Enjoy entertaining speeches offered by this friendly, supportive club.

Guests and prospective members are always welcome at the Toastmasters' meetings, which are held on the first and third Tuesdays of every month in Bldg. 463, Room 160. For more information, contact Nancy Manning, Ext. 5744, nmanning@bnl.gov.

Hot Hoops

Basketball Scores
From 2/7

Fab Five 73 — Titans 55

Shorties 77 —
Chemically Imbalanced 67

Healthline Lecture

'Nutrition and Immunity: A Whole-Body Function'

The nutritional components of one's diet influence the body's immune system function to a significant degree. To explain how to optimize that influence, Diana Dalton, a certified dietician and nutritionist, will present the Healthline Lecture, "Nutrition and Immunity: A Whole-Body Function," on Tuesday, February 26 at noon in Berkner Hall.

Dalton will focus on how nutrition can be linked to allergies, learning disabilities, disease resistance, migraines, ear infections, asthma, and obesity. The effects of isolated nutrients, herbs, water, juices, and vegetarian diets on the immune system will also be discussed. Questions from the audience will be answered as well.

Dalton has an M.A. in Normal and Therapeutic Nutrition and an M.S. in Counseling from Hofstra University. She has over 20 years' experience in private practice in New York City and on Long Island.

Check your mailbox for registration details. For more information, contact Mary Wood, Ext. 5923 or wood2@bnl.gov.

Camelback Ski Trip, 3/6

Join the BERA-sponsored ski trip to Camelback Mountain in Pennsylvania on Wednesday, March 6. The cost is \$49 per person. Ski rentals are an additional \$15 and snow boards can be rented for \$22. A "New Skier" package, at a cost of \$55, includes a restricted lift ticket, equipment rental and a 1.5-hour beginner lesson.

The bus will leave from the Brookhaven Center at 5:30 a.m. and return to BNL at approximately 8 p.m.

Paid reservations can be made at the BERA Sales Office, weekdays from 9 a.m. to 3 p.m. For more information, contact Andrea Dehler, Ext. 3347, Tom Dilgen, Ext. 7455, or Bob Marascia, Ext. 7779.



Calendar (continued) Wednesday, 2/20

***Noon Recital**
noon, Berkner Hall. Pianist Nnenna Ogwu will play Bach, Mozart, and Scriabin. See article on page 2.

***370th Brookhaven Lecture**
4 p.m., Berkner Hall. Susan Pepper, Nonproliferation & National Security Department will talk "On Inspection With the International Atomic Energy Agency." See story, page 1.

Thursday, 2/21

Brookhaven Advocacy Council
Open session: 12:30-1:00 p.m., Berkner Hall, Room C. See www.bnl.gov/bac. Nancy Warren, Ext. 4200.

Science Discussion Group
noon-1 p.m., Berkner Hall, Room C. People who enjoy talking about science are invited to join this group to explore current scientific events and issues. Patrice Pages, Ext. 3270, pages@bnl.gov.

BERA Bridge Club
7 p.m., Berkner Hall Cafeteria. Morris Strongson, Ext. 4192, mms@bnl.gov.

— WEEK OF 2/25 —

Monday, 2/25

IBEW Meeting
6 p.m., Knights of Columbus Hall, Railroad Ave., Patchogue. A meeting for shift workers will be held at 3 p.m. in the union office. The agenda includes regular business, committee reports, and the president's report.

Tuesday, 2/26

***Healthline Lecture**
Noon, Berkner Hall. Diana Dalton, a certified nutritionist, will present "Nutrition Immunity: A Whole-Body Function." Mary Wood, Ext. 5923, wood2@bnl.gov.

Wednesday, 2/27

Science Discussion Group
12:30-1:30 p.m., Berkner Hall, Room D. Patrice Pages, Ext. 3270, pages@bnl.gov.

Thursday, 2/28

VoiceStream Wireless Demo
10 a.m. - 2:30 p.m., Berkner Hall. Special rates will be presented to BNLers on VoiceStream's wireless network. Richard Goll, (516) 343-5900.

— WEEK OF 3/4 —

Tuesday, 3/5

***Jazz Concert**
\$3 donation, 8 p.m., Berkner Hall. See notice, page 4.

Wednesday, 3/6

***BERA Ski Trip to Camelback**
\$49 per person, \$15 additional for ski rental, \$22 additional for snowboard rental. Bus leaves from Brookhaven Center at 5:30 a.m. and returns to BNL at approximately 8 p.m. Make paid reservations at the BERA Sales Office, weekdays from 9 a.m. to 3 p.m. Andrea Dehler, Ext. 3347, Tom Dilgen, Ext. 7455, or Bob Marascia, Ext. 7779.

Thursday, 3/7

BERA Bridge Club
7 p.m., Berkner Hall Cafeteria. Morris Strongson, Ext. 4192, mms@bnl.gov.

— WEEK OF 3/11 —

Tuesday, 3/12

Workshops: Cholesterol & Hypertension
Cholesterol workshop: 11:30 a.m.-12:15 p.m. Hypertension workshop: 12:30-1:15 p.m. Bldg. 490, small Conference Room. Participants must register in advance to have blood work done prior to the workshop. Mary Wood, Ext. 5923, wood2@bnl.gov.

Note: This calendar is updated continuously and will appear in the Bulletin whenever space permits. Submissions must be received by the preceding Friday at noon to appear in the following week's Bulletin. Please enter the information for each event in the order listed above (date, event name, description, and cost) and send it to bulletin@bnl.gov. Write "Bulletin Calendar" in the subject line.

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 working 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 Policy, selections are made without regard to age, color, religion, national origin, sex, disability, or veteran status. Each week, the Human Resources Division lists new placement opportunities first, so employees may request consideration for themselves, and, second, for open positions. Because of the priority policy above, each listing does not necessarily represent an opportunity for all people. Except where 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 at 631-344-7744 (344-7744), for a list of all job openings. Use a TDD system to access job information by calling (631) 344-6018; or access job openings on the World Wide Web at www.bnl.gov/JOBS/jobs.html.

LABORATORY RECRUITMENT - Opportunities for Laboratory employees.

NS2028 ADVANCED TECHNOLOGY ENGINEER / COUNTERINTELLIGENCE CYBER TECHNICAL EXPERT (I-9) — Requires a bachelor's degree and a minimum of 10 years of related experience; excellent oral and written communication skills; the ability to interact professionally with persons of diverse technical backgrounds; knowledge and experience with modern computer techniques (hardware/software), including familiarity with LANs, WANs, presentation and e-mail applications, as required. Must have in-depth knowledge of computer security architectures and advanced technical experience in unclassified cyber arenas, including expert experience/knowledge of current commercial "best practices." Knowledge of current product/technology is preferred, as is intelligence/counterintelligence experience. Advanced CS degree, extensive experience in technical computer systems and applications/networking and experience in developing/conducting training programs are desirable. Must successfully complete a rigid background check to include a limited-scope polygraph examination concerning National Security issues. U.S. citizenship and the ability to obtain and maintain DOE "Q" and "SCI" Access Authorization is required. Reactor Operations Directorate.

NS2995. SUPERVISOR, QUALITY OF LIFE/ RECREATION (A-7) — Responsible for the overall administration, direction and management of the Laboratory's Quality of Life (QOL) and Recreation Programs. Under the direction of the Manager, Staff Services, will coordinate and provide support for Laboratory QOL initiatives, supervise the ESOL program, support the on-site Hospitality Committee, as well as manage the Brookhaven Employees Recreation Association (BERA) program. Will also act as liaison between the Laboratory and its employees, users, visitors, and guests, including all on-site residents and over 40 organized groups sponsored by BERA, and be responsible for the management of the facilities maintained by the Laboratory and the BERA (including the gymnasium, swimming pool, tennis courts, ball fields, recreation park and the Parcourse fitness circuit). Requirements include a BBA or equivalent, strong interpersonal and communication skills, and the ability to work independently. Experience with MSWord, Excel, PowerPoint and Outlook also required, as is knowledge of Laboratory policies, practices and procedures. Previous supervisory experience highly desirable. Staff Services Division.

OPEN RECRUITMENT - Opportunities for Laboratory employees and outside candidates.

NS7622 STAFF ENGINEER / IC DESIGN ENGINEER (P-5) — Requires an MSEE, and experience with analog integrated circuit design including circuitry simulation, physical design, verification, and testing. Primary responsibility will be to assist in the development of signal processing electronics for a mobile small animal PET tomograph that will include collaboration with the Medical, Chemistry, and Physics Departments. Instrumentation Division.

'An Evening of Jazz' at Berkner Hall, 3/5

Does Trane's *A Love Supreme* reign supreme in your book? Miles' *Kinda Blue* make you feel anything but? Can Ko Ko's chordal improvising send you to another land, *Birdland*, perhaps? Or maybe Pop's "scattin' and blowin'" is your thing?



William Floyd High School Jazz Ensemble

Your opportunity to find out is coming up, at the BNL Music Club's "An Evening of Jazz," on Tuesday, March 5th, at 8 p.m. in Berkner Hall. The Music Club warmly invites the public to come and enjoy the lively performances of the Oak Street Quartet and the William Floyd High School Jazz Ensemble.

The William Floyd High School (WFHS) Jazz Ensemble (see photo, above) is a 25-piece band performing a repertoire of big band, swing, blues, and contemporary funk electric music, directed by Michael Cordaro.

In 2001, for the third consecutive year, WFHS was recognized as a Grammy Signature High School — an honor given to the nation's top 100 school districts that promote and preserve music education as a key part of the curriculum. These 9th-to-12th-grader students play with an enthusiasm that makes this musical genre accessible to any listener.

Formed in 1999 by bassist Stephen Bennett, the Oak Street Quartet (see photo above), better

known as OSQ, performs a range of instrumental and vocal jazz, including swing, bop, contemporary, and pop-tune arrangements. Completing the quartet are saxophonist Chris Forte, pianist Bob Gelabert, and drummer Mike White (second from left), a senior chemist in BNL's Chemistry Department.

Tickets may be purchased at the door, or in advance at the BERA sales office in Berkner Hall on weekdays from 9 a.m. to 3 p.m., at WFHS, or at the Elk Street Grille in Port Jefferson. The suggested donation for tickets is \$3 each. All proceeds will go toward supporting WFHS

music programs. For more information, call the BNL Music Club at Ext. 3846, or e-mail jjv@bnl.gov. All concertgoers over 16 years old must have a photo ID to be allowed on site.

The BNL Music Club (BNLMC) is establishing a concert series open to the interests of the BNL community. Contact the club if you would like to perform at a BNLMC-sponsored event. — Diane Greenberg



Oak Street Quartet

Roger Stoutenburgh D05-40102