BNL Talk on Women and Heart Disease
Congressman Bishop attends in support of American Heart Association’s ‘Go Red for Women’ initiative

Free blood-pressure checks, red tee-shirts and red pins were given out at noontime on February 20 in Berkner Hall — all part of an event to demonstrate support for the American Heart Association’s ‘Go Red for Women’ initiative highlighting the dangers of heart disease and stroke in America, most particularly in women.

U.S. Representative Tim Bishop addressed BNLers on the importance of learning about heart disease, which is one of his concerns for his constituents and the nation. Bill Thompson of the American Heart Association echoed Bishop’s remarks on this important topic and thanked him for his support in Congress.

Jai Subramani of the Clinic gave an informative talk on “Women and Heart Disease,” which, as she explained, is the number one killer of women in America. The event, which is part of a series of informative talks at BNL centering around women’s health issues, was organized by Michael Thorn, the Lab’s Health Promotion Program Coordinator, in the Human Resources & Occupational Medicine Division. — Liz Seubert

Five BNL Scientists Named APS Fellows

Five BNL scientists — Tim Hallman, Chi-Chang Kao, Dmitri Khraeev, William Morse, and Yimei Zhu — have been named Fellows of the American Physical Society (APS), a professional organization with more than 45,000 members. Election to APS fellowship is limited to no more than one half of one percent of its membership in a given year, and election for this honor indicates recognition by scientific peers for outstanding contributions to physics. The BNL scientists are among 212 Fellows elected in 2006.

Tim Hallman, a senior physicist in the Physics Department, was recognized “for his leadership of the STAR experiment at the Relativistic Heavy Ion Collider at Brookhaven National Laboratory.” Since 2002, Hallman has served as spokesperson for the STAR experiment at the Relativistic Heavy Ion Collider (RHIC), a world-class scientific research facility that drives two intersecting beams of gold ions head-on to study the early universe. At RHIC, the STAR detector searches for quark-gluon plasma (QGP), the type of matter postulated to have existed just microseconds after the Big Bang.

Hallman earned his Ph.D. in physics from The Johns Hopkins University in 1982. After working as a postdoctoral and associate research scientist at the university, he joined DOE's Lawrence Berkeley National Laboratory in 1991 as a staff scientist. Later that year, he accepted a research physicist position at the University of California. Hallman joined BNL as a physicist in 1996. He is currently the STAR Group Leader.

Chi-Chang Kao, Chair of the National Synchrotron Light Source (NSLS) Department, was recognized “for his many contributions to resonant elastic and inelastic x-ray scattering techniques and their application to materials physics.” During his research at the NSLS, Kao has developed new x-ray scattering techniques to study the electronic and magnetic properties of magnetic and strongly correlated materials. These techniques have led to better understanding of the Earth’s interior and materials properties under extreme conditions.

Kao earned his Ph.D. in chemical engineering from Cornell University in 1988. Shortly after, he joined BNL as a post-doctoral research assistant at the NSLS. He was promoted to senior physicist in 2001. Kao is also an adjunct professor in the Department of Physics and Astronomy at Stony Brook University.

(continued on page 2)

BNL Is First DOE Lab To Achieve OHSAS 18001

On Thursday, February 15, in Berkner Hall, the Lab community joined Lab Director Sam Aronson and Assistant Laboratory Director for Environment, Safety, Health and Quality Jim Tarpinian in celebrating BNL’s becoming the first DOE lab to achieve registration with Occupational Health and Safety Assessment Series (OHSAS) 18001.

Patrice Bubar, Deputy Assistant Secretary for Corporate Performance Assessments in DOE’s Office of Corporate Safety Analysis Assessments, and Michael Holland, DOE’s Brookhaven Site Office Manager, both extended warm congratulations to BNL for achieving OHSAS 18001, which is an internationally recognized health and safety management system of excellence. They recognized the commitment of all at the Lab to health and safety, and looked forward to hearing about BNL’s future achievements in this field.

Aronson and Tarpinian expressed their appreciation of the hard work and dedication of all at the Lab who had contributed to this success.

“Who benefits from our increased focus on achieving excellence in safety and health? All of us, and our families as well,” noted Aronson. “Our end objective in safety is not just to have ‘safe workers.’ We want to have ‘safe people’ who practice safety wherever they are. Congratulations to all and my thanks to everyone who worked so hard over the last three years to achieve this notable success.”

Special thanks and congratulations went to Bob Selvey, Safety and Health Services (SHS) Division, and Pat Williams, SHS Division Manager, who led a team of BNL’s safety and health personnel whose members had ensured site-wide understanding and compliance to the principles of OHSAS 18001.

The initial success of the project began in 2004 when three major areas at the Lab, the Collider-Accelerator Department and Central Fabrication Services and Plant Engineering Divisions, had achieved the first round of registration. In 2005, the Phase II sections of the Lab achieving registration included: the Basic Energy Sciences Directorate, the Environmental and Waste Management Services and Instrumentation Divisions, National Synchrotron Light Source and Physics Departments, and Staff Services and Superconducting Magnet Divisions.

The Phase III areas achieving registration included the following directorates: Community, Education, Government and Public Affairs; Energy, Environment, and National Security; Environment, Safety, Health and Quality; and Life Sciences; and the following divisions: Emergency Services; Finance; and Safeguards and Security, and all other support organizations reporting to the Director’s Office.
**SBU Graduate Wins Chasman Scholarship**

Noelle Cutter, a graduate of Long Island University, will receive the 2006 Renate W. Chasman Scholarship. Cutter was chosen for her work in Siberian Quantum Chromodynamics (QCD). She received the first Chasman Scholarship in 1987.

With the 2006 Renate W. Chasman Scholarship winner Noelle Cutter (center) is seen in Siberian Quantum Chromodynamics (QCD) and the scholarship committee (from left): Kathleen Barkigia, Vinita Ghosh, Aimee Sumereau, and Lorraine Smart.

Cutter said, "That’s when I was fortunate enough to get the position at Brookhaven, which helped me tremendously in focusing on a new direction.

At BNL, Cutter worked at the NASA Space Radiation Laboratory to determine the effects of the harsh cosmic and solar radiation environment found in space and thereby be able to determine its biological effects. Under the direction of Senior Scientist, Physical Protection Laboratory, Biologist, Department, Cutter performed research on DNA damage to mice exposed to space radiation and subsequent repair of that damage. The goal of these studies is to help assess risks to astronauts so that adequate preventive measures can be designed for long space missions.

Currently, Cutter performs research at the Cold Spring Harbor Laboratory as part of her curriculum at SBU. She hopes to earn her Ph.D. in genetics in 2011, and to work in academia, teaching and pursuing research in her field.

— Diane Greenberg

**Symposium to Celebrate Leipuner’s Physics**

All are invited to the “Leipuner Symposium” to be held on Tuesday, March 27, in the Physics Department’s Large Seminar Room, Bldg. 510. Talks will start at 1 p.m. with a welcome by Bill Morse, BNL, followed by “Remarks of the Retired” by former Professor of Physics Emeritus, Yale University; then remarks by Myron Campbell, Chair of the Physical Sciences Department, University of Michigan; and “In Memoriam” by Dr. R. D. Berman, BNL. After a half-hour break, Michael Schmidt of Yale will talk on “Leipuner as a Mentor, and a Tale of Two Lifetimes.”

BNL Music Club will host a reception and buffet dinner following the symposium.

**BWS & Diversity Office Present One-Woman Play: ‘Good Lessons From Bad Women’**

In honor of Women’s History Month, Brookhaven Women in Science (BWS) and the Diversity Office will present a one-woman play by Dorothy Leeds in Berliner Hall, titled “Good Lessons From Bad Women,” on Wednesday, March 28, at noon.

Leeds combines an eight-year acting career with 22 years of experience as an executive, business owner, and sales and communications consultant. As an experienced media personality and film critic for MSNBC, Leeds appears frequently on broadcast and cable television, on such programs as NBC’s “Today,” ABC’s “Good Morning America,” and CNN’s “Smart Money.” Leeds’ acting credits include Broadway’s hit show, “Stop the World, I Want to Get Off!”

In her entertaining and provocative show, Leeds takes on the roles of eight so-called “bad” women — some familiar, like Eve, Eleanor Roosevelt, and Mae West, and others, not so well known, such as Emeline Wylde, Elizabeth Báthory, and Anne Bonney. These unconventional women often did what they felt they had to do, rather than what they were told to do. Lessons can be learned from their stories.

For more information, contact Kathleen Walker, Ext. 7105 or kwalker@bnl.gov.

**BNL Women in Science**

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One-on-One Retirement Counseling
A TIAA-CREF consultant will visit BNL on Wednesday, March 14, and Tuesday, March 20, to answer employees' questions about financial matters including: understanding the importance of protecting assets against inflation, finding the right allocation mix for you; learning about TIAA-CREF retirement income flexibility; comparing lifetime income vs. cash with different options. For an appointment, call Atline Lyons, (866) 842-2053, Ext. 4629.

Arrivals & Departures
I am pleased to announce the appointment of Robert DeBona as Executive Director for the Brookhaven Environmental Sciences Department (BNL-ESD). DeBona will join BNL on April 1.

First Female Employee, Mariette Kuper
By the end of March 1946, before the Lab had a site or a name, it had its first two employees: Clarke Williams, a Columbia University physicist, hired to coordinate the pile project, and Mariette Kuper, wife of J. Horner Kuper (BNL's first electronics Department head) and ex-wife of mathematician John von Neumann. Her job history at the Massachusetts Institute of Technology Radlab during those early days included assembling parts of the Bremerman and supervisor of the technical training program for female personnel and metal shop production. Highly recommended by an NL Lab veteran, she started work on March 27, 1946, as the executive aide to Lee Dullitke, ex-Radlab Director, who headed the Initiatory University Group that was planning BNL in 1946. As explained by Lab Historian Robert Crease of Stony Brook University in his book, Making Physics, Kuper's first task on the job was “to figure out how to get herself hired, cleared, and paid.” Fasci- natingly, she was tasked with creating and writing a lot of forgettable memoirs, ruminations about the gendered, outstanding organizational ability, social grace, amazingly outspoken "lady of 60 years" — a rare combination that was to contribute to Lab history for some 30 years. — Liz Seubert

Mastic Beach Property Owners’ Association President Robert Delonina says “We were one of the first organizations to get involved in the Lab’s Envy program. At our meetings each month, our envoy, Jane Korop, gives us updates on the Lab. Her attendance at our meetings has not only been informative, but it has given our members a real feeling of connection with the Lab. For example, our members now routinely attend concerts at the Lab, and Summer Sundays. We appreciate getting information directly from a Lab person we know.” Envoys can be thought of as the engine of a train that carries information about the Lab, not only to the external community, but to the internal community as well. If you are interested in becoming a member of this dynamic group or in learning more about the program, join the meetings on the first Wednesday of the month in Building 490. For more information about the Envoy program, contact Barbara Blenn, Ext. 4458 or blenn@bnl.gov. — Liz Seubert

Daffodil Days
BERA will again sell daffodils to benefit the American Cancer Society. The donation is $10 for a bunch of ten fresh cut daffodils. Delivery will be made during the week of March 19. Your preordered purchase can be made at the BERA Sales Office in Berkeley Hall, weekdays, 9 a.m.-1 p.m.

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“Our immigrants, people who have shown interest in learning more about the Lab, have been invited to get from the outside shows that information you can give is beneficial both for them as a group as each month, with a two-month summer break. Most of our lab speakers come to address the group on a variety of topics ranging from budget to research activities to administrative functions. In this series, they provide a dialogue. Envoys share news of their departments and external activities, which they provide valuable feedback to the Lab about local community areas of interest. BNL researcher Steve Schwartz recently gave a talk on global warming, an envoy-requested topic. Says Schwartz, “I was de- lighted to share the current atmospheric sciences research activities with the envos. It was particularly useful that the talk ended with a question and answer tag. These folks are playing an important role in communicating information about the Laboratory and I was happy to be part of that process.”

Then & Now: Early Days at BNL
Selected Reminiscences of Retiree and Envy Marilyn McKeown
I came to work at BNL on September 1947. It had opened in March of that year but had only 16 employees already hired over 1,000 people. My life number is 1197. I had just graduated from Cornell University in the area because it was too rural and I was happy being close to water — the ocean and the Long Island Sound to the north. It was somewhat unusual in those days for women to major in physics as I had done, and I was delighted to be hired in a scientific position. My second year a position was then called the Electronics De- partment, headed by Dr. J. Horner Kuper. His wife, Mariette Kuper, was a well-known, very colorful BNL employee (see photo and cap- tions). Most of the buildings were the barracks left behind from the Adirondack camps, while some were brand new and even some from World War I. My building is where the Post Of- fice is today. The BNL glassblowers worked there and they had a lot of friends with many of them, even though I was assigned to the detector group of the Electronics Depart- ment, which made Geiger counters and cloud chambers. I remember they had to move the glass houses, laid out experiments in the mountains in the west, mainly in Colorado, as big accelerators didn’t yet exist.

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The Irish band Black 47 and Celtic Roots band Macáel Mor will perform in Bemker Hall on Friday, March 8, at 8 p.m. in a special sponsored by the Student Union and vocals in a dynamic mix of traditional Celtic music, Roots rock, calypso, blues and jazz.

The concert program will be opened by a short welcome address by Larry Kinnard. Black 47 is known for its Irish form of rock n’ roll, which includes songs about such topics as the Northern Ireland conflict and urban urban issues. The band has played at well-known Manhattan venues and has nine albums to its credit.

Macáel Mor, Gaelic for Great Echo, is a national touring band from Ireland. The group is known for its locally-recognized and vocals, and its euphonious and engaging blend of old and new. In addition to playing at music festivals and universities, the band has performed at festivals and urban places, such as Castle’s Palace in St. Louis, Mo.

Tickets cost $20 each in advance at the BERA Office or $25 each at the door on the evening of the event. Tickets may be ordered electronically at www.ticketweb.com.

Summer Camp Expo, 3/8
BNU’s annual summer camp expo will be held on Thursday, March 8, in Bemker Hall, 11 a.m.-1:30 p.m. Representatives from local Long Island summer camps will be available to provide their programs and activities, facilities and registration information and to BNU employees & guests. For more information, contact Liz Gilbert, Ext. 2351 or gilbertlb@bnl.gov, or Susan Foster, Ext. 2808 or fosterel@bnl.gov.

Come to the Holl Festival of Colors, 3/10
The BERA Indo-American Association (IAA) invites all to a Holl Festival, a function of traditional songs, dances, and music from the Indian subcontinent. The program will start at 1:30 p.m and include an introduction and snacks. More information on the event is available at www.bnlab.ni/bera/hollierequest_form.php.

LIANS Special Offer Dinner Meeting, 3/7
The next meeting of the Long Island chapter of the American Nuclear Society (LIANS) will be on Wednesday, March 7, at 6:30 p.m. in the Brookhaven National Laboratory (BNL) Auditorium, 1000 Sigma Road, Bldg. 134, P.O. Box 5000, Upton, NY 11973-5000.

Defensive Driving, 3/10
The next six-hour Defensive Driving (Point and Insurance Reduction) course will be held on Saturday, March 10, in Room B, Bemker Hall, from 9 a.m. until 3 p.m. Offered by the EHS/Outreach Office, and delivered by EAS Associates, the course is open to all BNU employees, DOE and DOE employees, facility-users, and their families. The cost is $30 per person. Pre-registration is required. To register, call Edward Sierra, 821-1013, and leave a voice message with your phone number. For more information, call Sarah Wiley, Ext. 4207.

Open Recruitment – Opportunities for Laboratory employees outside the U.S.
M4015. ASSISTANT PHYSICIST (S-1) – Requires a Ph.D. in physics or a closely related physical science and a strong background in theoretical physics plus at least one year of experience as a physicist. The position is a multi-disciplinary position in the Modern Physics Group. The successful candidate is expected to have the capability of conducting research in many areas of modern physics, including nuclear, particle, and condensed matter physics.

M4013. PHYSICIST (S-3) – Requires a Ph.D. in physics or a closely related physical science and a strong background in theoretical physics plus at least five years of experience as a physicist. The position is a multi-disciplinary position in the Modern Physics Group. The successful candidate is expected to have the capability of conducting research in many areas of modern physics, including nuclear, particle, and condensed matter physics.

 placements policy is to select the best qualified candidate for an available position. Criteria for Positions: (1) Position opens to BNU employees (2) BNU employees will have first consideration for all positions (3) the remaining openings will be filled with candidates from outside BNU. Therefore, candidates from outside BNU are encouraged to apply. The competitive advantage of the BNU employee will be reflected in the position experience requirements.

Classified Advertisements
Placement Notices
The following positions are being advertised for the purpose of recruiting qualified candidates for an available position. Competitive positions (S-1) present eligibility to employees at the same position level; non-competitive positions (S-n) are not open to employees within the Laboratory, and are not subject to the competitive advantage. Applicants are allowed to apply to more than one position, but selections are made without regard to the applicant’s position level or familiarity with the same or similar duties.

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Vehicle Motor & Supplies
36 RP DURAMAX 320 2FT, - ax 4x4. New, 8,900 miles. $6,800 or best offer. 849-4229.
STUDEY WEST COAST, - has sunroof, 62K mi. $7,900 or best offer. 472-2010.
FORD EXPLORER XRT SPORTS - 4d, 110K mi. $9,900 or best offer. 472-2084.
2400 MD MERCURY SABLE LS - dk blue, 3L Duratec, 38K mi. $3,250 or best offer. 472-2084.
LINCOLN TOWNCRAFT - white, saddle int. 9K mi., color, service mls, 4x4, cert. 13K mi. $5,000 neg. 1313-5692.
TOYOTA PICKUP - 4x4, 2.2L motor, 35K mi., $1,500 or best offer. 926-3744.
1985 FORD TRUCK - red/grey, 3rd row seat, rear air, pwr. pkg., grt cond. $3,600 neg. 520-3595.
TRUCK COVER - used once, new cond., 6x6’5” x 8’6”, $95. 472-2084.
TIRES - (2) 15” seized & bal. on steel rims, 205/65R15, $60. 472-2084.

Furnishings & Appliances
BEDROOM FURN. - for young lady, white, 3-d raw drwr dresser, l/r, d/r, elec. incl. $750. 849-4229.
HOME GYM - Weider 9635, v. gd. cond., $1,400. 520-3595.
KENNEDY UPHOLST. - New, gl. for roller chair, $75. 926-3744.
MOLLUCAN COCKATOO - white, 14” tail, list, fine condition, $1,200. 926-3744.
SOUND & LIGHTING - Experienced volunteer looking for stage work. $120. Mark, Ext. 2238 or 828-6459.
STORGE RACK - STURG.FR. - 4 shelves, $35. 543-2515.

Sound & Lighting
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I came to work at BNL in September 1947. The Lab had opened in March of that year but had already hired over 1,000 people. My life number is 1197. I had just graduated from college that spring and this was my first job. I can honestly say that I fell in love with Brookhaven and the surrounding area because it was very rural and I was happy being so close to water — the ocean on the south and the Long Island Sound to the north.

It was somewhat unusual in those days for women to major in physics as I had done, and I was delighted to be hired in a scientific position. My first job was in what was then called the Electronics Department, headed by Dr. J. Horner Kuper. His wife, Mariette Kuper, was a well-known, very colorful BNL employee. Most of the buildings were the barracks left behind from the Army’s use during World War II and even some from World War I. My building is where the Post Office is today. The BNL glass blowers worked there also, and I became friendly with many of them, even though I was assigned to the detector group of the Electronics Department, which made Geiger counters and cloud chambers. I remember that high-energy physicists carried out experiments in the mountains in the west, mainly in Colorado, as big accelerators didn’t yet exist.

The science of these early days is documented elsewhere, so my focus here is on life at the Lab. First, there were only barracks for men, so I had to find housing off site. The Lab was helpful and I found a roaming house in Patchogue with other BNL women. My two roommates worked in the Biology Department. None of us had a car, so we depended on a carpool to get to work. However, one amenity provided at that time was a bus to and from the Lab. The bus ran during the day and in the evening, allowing me to stay late to work or participate in a social club.

After several months, a few women who shared an apartment in Bellport invited me to move in with them. This apartment was located right on the Great South Bay at the end of Brown’s Lane. Since I often stayed late at the Lab the bus would drive me all the way — door to door service!

I remember that the winter of 1947-1948 was very cold with a lot of snow and ice. The Great South Bay stayed frozen for a long time. It was my first experience with ice boating, and my roommates and I shared a lot of laughs while attempting to learn this new sport.

At this time, the Smith Point Bridge to Fire Island did not exist, so many scientists had picnics at the ocean beach in Westhampton. The beach was less commercial then; it had no parking lot or boardwalk. We socialized around campfires (which were allowed at that time). At one of these picnics, I met well-known BNL researchers Maurice and Gertrude Goldhaber, who came there with their two young boys.

The atmosphere of the Lab then mirrored that of a college campus. Since both the number of buildings and employees was small, you knew almost everyone and there was a great feeling of friendship and camaraderie.

I met my husband in the summer of 1948 when he came to the Lab as a summer student. We were married in June 1949. He was working for the Goldhabers, and we decided to follow them to the University of Illinois where they moved in January 1950. When we arrived, we were informed that University policy did not allow a husband and wife to work in the same department, so I decided to enroll as a graduate student. Eventually, the Goldhabers returned to BNL, and after I obtained my masters degree in 1951, my husband and I did the same and returned to work at the Lab.

During these early days at BNL, I saw two major research facilities commissioned. One was the Brookhaven Graphite Research Reactor (BGRR), which started operating in 1950, and another, the Cosmotron, the first large accelerator (started 1952). I was saddened when the BGRR was replaced by the High Flux Beam Reactor (1965), but it was all part of the progression of science.

In 1954, I stopped working to raise a family, but I returned to work at the Lab part-time in 1960 and continued working until 1993 in the Solid State Physics Group in the Physics Department.

I remember those early years as a carefree, happy time. Over the years I made many friends and watched the Lab acquire Nobel prizes and achieve many scientific accomplishments. I didn’t know that when I signed on in 1947 that I would be one small part of the advancement of science for women and for the world. For me, 1947 was the beginning of a great career and the starting point of lifelong friendships. Simply stated, the Lab was the perfect place to work.

Note: Marilyn McKeown is retired but remains active in her community and serves as a Lab Envoy in the community.