

Danby, Powell Win Benjamin Franklin Medal For Their Invention of Magnetically Levitated Trains

James Powell and Gordon Danby, both retired researchers from BNL, have been awarded the 2000 Benjamin Franklin Medal in Engineering by The Franklin Institute “for their invention of a novel repulsive magnetically-levitated train system using superconducting magnets and subsequent work in the field.”

One of five Franklin medals awarded annually, the engineering medal was presented to Powell and Danby yesterday, April 27, at an awards ceremony in the rotunda of the Benjamin Franklin National Memorial in The Franklin Institute of Philadelphia. The Franklin medal winners were also involved in a series of lectures, symposia and informal discussions planned for this week.

In 1961, when he was delayed during rush hour on the Throgs Neck Bridge, Powell thought of using magnetically levitated transportation (Maglev) to solve the traffic problem. Powell and his friend Danby, in their spare time, jointly worked out a Maglev concept using static magnets, which are typically superconducting, mounted on a moving vehicle to induce electrodynamic lifting and stabilizing forces in specially shaped loops on a guideway. They obtained a patent on the technology in 1968.

In 1987, U.S. Senator Daniel Patrick Moynihan from New York chaired the U.S. Senate’s Energy and Public Works Committee’s Maglev Task Force, on which Powell and Danby served as co-chairmen. This initiative brought about renewed interest and new funding from the federal government and some state governments for Maglev research.

Today, Powell and Danby are part of a consortium called “Maglev 2000,”



James Powell



Gordon Danby

which plans to complete a half-mile Maglev test track in Titusville, Florida, by 2002. Eventually, the consortium plans to build a 20-mile Maglev track between the Kennedy Space Center and the Titusville Regional Airport. In a separate Maglev project in Japan, plans are under way to build a 300-mile track from Tokyo to Osaka.

Powell first came to the Lab in the summer of 1952 to work as a research assistant, while he was an undergraduate student at the Carnegie Institute

of Technology. He received a B.S. in chemical engineering in 1953, and a Sc.D. in nuclear engineering from the Massachusetts Institute of Technology in 1958. He officially began his 40-year career at BNL in 1956 as an assistant nuclear engineer, and he was eventually promoted to head of the Laboratory’s Reactor Systems Division.

Powell’s work was innovative and wide-ranging. He made contributions in such areas as advanced nuclear reactors, nuclear waste transmutation, ball lightning, fusion reactors, superconductivity, and space and defense systems. Powell retired from Brookhaven in 1996.

A native of Canada, Danby received a B.S. in physics and math from Carleton University in 1952, and a Ph.D. in nuclear physics from McGill University in 1956. He joined BNL in 1957 as an assistant physicist, assisting in the final design and construction of the Alternating Gradient Synchrotron. Danby was promoted to senior physicist in 1980, and, in 1992, his outstanding contributions to accelerator physics and magnet technology were acknowledged by Brookhaven Lab’s giving him its Distinguished Research & Development Award. Danby retired from BNL in 1999.

In work unrelated to his mission at the Lab, Danby’s research in magnetic technology led to the open magnetic resonance imaging (MRI) machines. A Fellow of the American Physical Society, Danby was also honored with the New York Academy of Sciences Boris Pregel Award for Applied Science and Technology, in 1983.

Founded in 1894, The Franklin Institute awards medals annually in recognition of the recipients’ genius and civic spirit and in memory of the Institute’s namesake, Benjamin Franklin, who exhibited those same qualities. Some noted past recipients of the Franklin Institute medals include Thomas Edison, Albert Einstein and Stephen Hawking. In the twentieth century, 91 Franklin Institute laureates have also been honored with 93 Nobel Prizes.

— Diane Greenberg

Staff Stands Down For Diversity

BNL employees filled Berkner Hall and Room B on April 19 for an all-hands stand-down on equal opportunity and diversity. Those who were turned away due to space limitations or unable to attend will be required to participate by viewing a videotape of the entire program by May 5.

The program included introductions by BNL employees representing the variety of ethnic groups at BNL, including Beth Lin of Biology, Mitch Williams of the Collider-Accelerator Department, Marcelo Vazquez of the Medical Department and Rosa Palmore of Human Resources (HR).

In a presentation on the demographics of BNL’s workforce, HR Director Bob D’Angio acknowledged that while the Lab is “making progress” increasing the number of women and minorities in some areas, there is still room for significant improvement.

Lab Director John Marburger echoed those comments in his speech, saying, “We can be more aggressive in finding people of diverse backgrounds and bringing them to the Lab to make this a better place to work. We are not going to be as competitive or as effective as we can be unless we do.”

The idea that diversity is a strength was also one of the central themes in the videotaped proceedings of the DOE complex-wide diversity stand-down, held at other DOE sites earlier this month. “We have an obligation to address [the issues of diversity and tolerance] not just because it’s the right thing to do,” said Energy Secretary Bill Richardson, but because it will benefit us all in our work. “Diverse teams produce better results,

(continued on page 2)

BNL and CTI, Inc., Develop Non-Invasive Blood Monitor for PET Imaging



David Schlyer (right), and Sepideh Shokouhi

BNL and CTI, Inc., of Knoxville, Tennessee, have signed a Cooperative Research and Development Agreement (CRADA) to develop a non-invasive blood monitor to be used in medical imaging. Information on metabolic rate, which the new device will help to measure, is important for diagnosing cancer, epilepsy and cardiac disorders.

The new blood monitor, which uses a previously patented detector, is attached to a cuff that clamps onto a patient’s wrist. The device will allow physicians to obtain the rate of glucose metabolism in the blood without actually puncturing the patient’s artery.

The monitor would be used in positron emission tomography (PET),

(continued on page 2)

BNL Wins ‘Barrier Busters’ Award

BNL has been named a recipient of the first annual “Barrier Busters” award, along with Bell Atlantic and Tanger Factory Outlet Center. Jointly sponsored by the Long Island Association and the Suffolk Independent Living Organization, Inc., the award is presented to companies that have taken exemplary steps to make accommodations for people with disabilities in the workplace or have developed innovative solutions to reduce barriers in the workplace for them.

Diversity Office Manager Lorraine Mardon accepted the award for BNL. She commented, “I am delighted to accept this award on behalf of the Laboratory. Brookhaven Lab is committed to removing on-the-job barriers for people with disabilities, and to enhancing their employability through training. I want to especially thank the Department of Energy (DOE) for their wholehearted support in making Brookhaven a workplace in which people with disabilities are given the opportunities and accommodations they need to function optimally as employees.”

DOE - Brookhaven Group was instrumental in making available a suitable space in Bldg. 490 to be used as a classroom for Abilities, Inc., which offers training for individuals with disabilities who wish to become laboratory assistants. Abilities, Inc., is supported by and partners with the National Center for Disability Services.

In addition, the Laboratory offers the annual Gorman-Metz scholarship of \$5,000 for a disabled child of a BNL employee who wishes to obtain a graduate degree in science or engineering.

BNL routinely makes needed accommodations for employees with disabilities, including one-on-one instructors for on-the-job training, voice-activated computer software and telecommunications options for employees who need these services to accomplish their jobs. — Diane Greenberg

Stand-Down

(cont’d)

attack problems better, find solutions faster,” he said.

Following the videotape, keynote speaker Marvin Dozier, Pastor of the Unity Baptist Church of Mattituck, emphasized the need for individuals to take responsibility for their actions, and to commit to finding a way toward an inclusive society. “The greatest obstacle is ignorance,” he said. “Knowledge is the key.”

After the stand-down, the Bulletin spoke to employees to get their impressions:

Patrice Benjamin of the C-A Department and a member of the Lab’s Diversity Focus Group said he was impressed by Secretary Richardson’s commitment to address issues of diversity, but noted that the stand-down is just a first step. “One stand-down is not going to solve all our problems, and it certainly will not eradicate racial profiling,” which he feels is deeply entrenched in some people’s minds.

April Gray, Financial Services Division, said, “Hopefully, people will become more aware of diversity issues and start making good-faith efforts to try to improve it.”

Pam Mansfield, Information Technology Division, said “With so many people coming to the Lab from so many different places — and for many of them it’s their first exposure to the United States — I want to be aware so I don’t offend anyone and can help make them feel more welcome and comfortable.” — Karen McNulty

Graphite Reactor Decommissioning Advances Pile Fan Sump Removed

Lab Director John Marburger and BGRR Project Engineer Clyde Newson watch as the 26,000-pound sump is carefully lifted from the ground.



Roger Stouthenburg

On March 1, 2000, a structure known as the “pile fan sump” was removed from the ground where it was buried during construction of the Brookhaven Graphite Research Reactor (BGRR) more than 50 years ago. The removal of the 13-ton sump and surrounding soils was an important milestone for the BGRR decommissioning project team.

While in service, the sump - a concrete box five feet wide, seven feet long, and ten feet deep - was used to collect rainwater and other precipitation from the reactor’s fan house and exhaust stack. The sump was a known source of contamination; sampling done early in the decommissioning project demonstrated that water had leaked from the sump to the surrounding soil.

When the sump itself was removed, some contaminated soil was found directly under the sump. Approximately 300 cubic yards of soil were removed and will be shipped off site.

The decommissioning team performed real-time soil tests during the excavation. In addition, verification samples are being analyzed by the NY State Department of Environmental Conservation’s independent laboratory, and by a DOE independent verification contractor, to assure that all contamination has been removed. The sump excavation site will be refilled with clean soil.

ISM Awareness

Here are the final three sets of general questions that all BNL managers, supervisors and staff should be prepared to answer during DOE’s Integrated Safety Management (ISM) verification beginning this Monday, May 1.

Managers: How do you make sure your staff has the training, “subject matter expert,” or other support they need to help ensure they work safely?

Staff: How do you know you have the training you need (or whom to call if you have safety questions) in order to perform your work in a safe and environmentally protective manner?

The Experimental Safety Review (ESH Standard 1.3.5) and the Operations Work Planning and Control processes (ESH Standard 1.3.6) establish the requirements for ensuring staff has the appropriate training through the Job Training Assessment process.

The Brookhaven Training Management System provides a database for tracking training requirements and training completion.

Field-deployed ES&H staff (Field Service Representatives, Environmental Compliance Representatives), ES&H Subject Matter Experts and line ES&H Coordinators are available to assist staff with ES&H matters or questions.

Hiring practices ensure new staff has the appropriate “entry” background/experience/capabilities.

Managers: How do you know your staff complies with the procedures, safety/environmental requirements, and hazard controls that you establish?

Staff: What does your supervisor expect of you with regard to following/working within/complying with procedures, safety/environmental requirements, and hazard controls when you perform your work?

Self-Assessment activities such as Tier 1 assessments or management “walk-arounds” provide this information.

Managers: Are you responsible for the safety of your staff? How are those responsibilities communicated to you?

Staff: Do you understand your responsibility regarding personal and coworker safety?

Are you authorized to Stop Work? (When/why? How?)

Do you have any special safety/environmental-related assignments? ES&H Standards of Performance on SBMS and R2A2s establish that:

- Managers shall analyze hazards, authorize work and ensure that work is performed within established safety controls, and prevent pollution, minimize waste and conserve resources while controlling costs and minimizing environmental impact.

- Supervisors shall ensure that staff is competent, trained, and qualified for work and assign work accordingly; manage staff, information, facilities and equipment; and ensure that staff comply with Laboratory policies, standards, procedures and regulations. Supervisors shall also ensure mitigation for all identified hazards.

- On-line computer-based training for Stop Work procedures is available at <http://training.bnl.gov/courselist.htm>.

For more information, see individual SBMS Subject Areas and BNL Manuals at <https://sbms.bnl.gov>, or contact Doug Ports at Ext. 2262 or ports1@bnl.gov.



Fidelity Counseling

A Fidelity Investments representative will be at the Lab on Monday, May 15, to hold individual sessions with employees interested in learning more about their retirement-savings and investment options.

To schedule one of the 30-minute appointments, call (800) 642-7131.

Equipment Demo 4/28

Today, from 10 a.m.-2 p.m. in Berkner Hall, CTP Wireless will discuss the AT&T corporate cellular rate that it offers BNLers.

Service plans include one with air-time rates of 20 cents per minute and 40 minutes of airtime at \$19.99 per month, 20 percent off air-time charges, and unlimited off-peak air-time for an additional \$4.99 per month.

Another plan includes 200 minutes any time for \$29.99 per month with unlimited off-peak time for \$9.99 extra. Free features include a digital phone, caller ID, voice mail with notification, numeric paging, and self-dispatch alphanumeric numbering.

For more information, call Dennis Lamm, 585-2900.

Blood Monitor

(cont’d)

an imaging method in which radioactive tracers are injected into the patient, flow through the blood, and concentrate in areas that have increased blood flow, or active metabolism. The new detector would measure the radioactivity in the artery, and these data would be used to calculate glucose metabolism. BNL researchers use PET to study changes in the brain related to aging and drug addiction, among other research projects.

At present, metabolic rate is measured by inserting a catheter into a patient’s artery. David Schlyer, Chemistry, the project’s principal researcher at BNL, said, “The non-invasive method would be medically safer than using a catheter, since it eliminates the risk of infection and the potential loss of blood flow to the hand. Also, it would be more comfortable for the patient.”

Ronald Nutt, senior vice president of CTI, Inc., commented, “PET is already a powerful imaging tool for diagnosing cancer and other significant diseases. Medicare reimbursement has been established for certain types of cancer, which has caused PET to expand rapidly in the U.S. This blood-monitoring system will allow PET to accurately quantify metabolic activity, which can take PET to the next level.”

Since the new method requires extensive data manipulation and computer operation, Schlyer said the mathematics involved will have to be streamlined for greater efficiency. Brookhaven, which has expertise in PET scanning and modeling, will work on the mathematical calculations required to adapt the detector developed by CTI, Inc., for use in PET. The Brookhaven-CTI team hopes to have a working prototype of the blood monitor in the fall.

Since PET is becoming a widely used tool for clinical evaluation of a wide variety of diseases, the monitoring device could have significant commercial applications. Currently, there are more than 250 PET machines at major hospital and research centers around the world.

BNL and CTI, Inc., are each contributing \$70,000 to fund the CRADA for one year. Funding to support Brookhaven’s costs came from the Lab’s patent-licensing royalty income, which amounted to over \$2.7 million last year. — Diane Greenberg

WalkAmerica for Healthier Babies

Celebrate the annual March of Dimes WalkAmerica for Healthier Babies by joining the BERA team on Sunday, April 30. WalkAmerica raises support for healthier-baby programs of research, education, advocacy and local community services.

Gather coworkers, family and friends and enjoy the occasion with the BERA team. To register, pick up a WalkAmerica sponsor sheet today at the BERA Sales Office in Berkner Hall, from 9 a.m.-1:30 p.m.

If you cannot walk, but would like to contribute, mail a check made payable to the March of Dimes to the Recreation Office, Human Resources, Bldg. 185, or drop it off at the BERA Sales Office. For more information, call Andrea Dehler, Ext. 3347; or M. Kay Dellimore, Ext. 2873.

Bowling

Purple & White League – April 20

G. Mehl 235/205, D. Keating 206/197, E. Mamay 200/185, B. Mullany 196/194, T. Blydenburgh, 175/175, B. Ross 224, Ken Kryger 209, S. DiMaiuta 208, E. Sperry IV 201, P. Kennedy 200, J. McCarthy 195, C. Rooney 195, P. Wynkoop 193, E. Meier 189, T. Mehl 186, Kathy Kryger 183, L. Ferns 176.

Red & Green League – April 18

E. Larsen 238/213/205/656 scratch series, N. Besemer 245/234/638 scratch, J. Griffin 225/205/608 scratch, R. Mulderig, Jr. 235/213/630 scratch, J. LaBounty 222/206/621 scratch, R. Mulderig, Sr. 207/206/608 scratch, G. Miltenberger 243, J. Guiffre 226, J. Meier 225, M. Meier 218, D. Schiappa 203, M. Grau 203, J. Mayeski 202.

Computing Corner

Please note the following correction to the training schedule for May:

date	class	level
5/19	Excel	intermediate

To register for the above class or to request future classes, submit a training request form and an ILR for the appropriate amount to Pam Mansfield, Bldg. 515. Classes are scheduled based on the number of requests received. See the ITD training page at www.itd.bnl.gov/bnl/training for registration information and course schedules. For more information, contact Mansfield, Ext. 7286 or pam@bnl.gov.

Arrivals & Departures

Arrivals

Richard G. Baker Physics
Leah E. Hildesheim Info. Services
Panayotis Thanos Medical

Departures

Mario Manni CAD

BROOKHAVEN BULLETIN

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On the World Wide Web, the Brookhaven Bulletin is located at www.pubaf.bnl.gov/bulletin.html. A Weekly Calendar listing scientific and technical seminars and lectures is found at www.pubaf.bnl.gov/calendar.html.

BWIS Holds High School Career Days at BNL

Female students from local high schools visited BNL as part of BWIS' Women in Science Career Days. The program included panel presentations and a tour of BNL facilities, including a look at vintage scientific instruments in the Chemical Department, right, and a visit to the National Synchrotron Light Source.

Eighty female students from eight local high schools — Bellport, Center Moriches, Eastport/Manorville, Longwood, Riverhead, Rocky Point, Westhampton Beach and William Floyd — learned firsthand how BNL women scientists followed educational and career paths that brought them success in their chosen fields.

Coordinated by Brookhaven Women in Science and funded by Brookhaven Science Associates, two Women in Science High School Career Days featured panel presentations by women in various scientific and technical fields, including chemistry, medical technology, physics, computing, nuclear safeguards and science writing. The students also took a tour of the Laboratory site, which included a look at scientific instruments from the distant past in the Chemistry Department and visits to the National Synchrotron Light Source, and the Scan-



Roger Stoutenburgh

ning Transmission Electron Microscope in the Biology Department.

Laboratory Director John Marburger gave a welcoming address to girls from four districts on the first career day, and Senior Physicist Peter Bond welcomed the girls from the additional schools on the career day during the following week. Dorry Tooker and Lisa Tranquada, both BWIS coordinators, each gave a brief talk on BWIS on the consecutive days. Nancy Sobrito, Human Resources Division, gave a talk on "Jobs at BNL," and Louise Hanson, Office of Educational Programs, spoke about "Educational Programs at BNL" at both career days.

Panelists who volunteered to give a brief talk on their career path and answer questions from the girls included: Kathy Barkigia, Energy Sciences & Technology; Diane Cabelli, Chemistry Department (CD); Eva Emmerich, Accelerator-Collider De-

partment; Vinita Ghosh, Physics Department; Madina Gerasimov, CD; Diane Greenberg, Community Involvement, Government & Public Affairs (CIGPA); Michele Hall, Information Technology Division (ITD); Susan Jones, ITD; Ruth Kempf, Nonproliferation & National Security; Mary Ann Kershaw, Medical Department; Carol Kramer, Reactor Division; Kathleen McIntyre, Radiological Assistance Program; Karen McNulty, CIGPA; Lisa Miller, ITD; and Linda Nunnermacker, Environmental Sciences.

On April 27, BNL sponsored "Take Our Daughters to Work Day," another opportunity for girls, age 9-15, to learn about the Laboratory's work. About 125 daughters of employees visited BNL to spend some time with their parents at work, when possible, and to tour various areas on site. Younger girls visited the BNL Science Museum. — Diane Greenberg

Healthline Exercise Programs for Spring

Start spring with a new and better you! The following exercise classes are offered at the Lab:

Aqua Aerobics

Eight weeks of aqua aerobics, which include stretching and aerobic exercise, will again be offered at the Lab pool, Bldg. 478, from 5:20 to 6:20 p.m. on Tuesdays and Thursdays. The first classes will begin on May 2 and 4, respectively.

Though registration is free, participants must pay the pool fee of \$2 a session or show their season pool pass.

Cardio Kickboxing

Cardio kickboxing classes are offered on Mondays and Thursdays through June, from noon to 1 p.m. in the North Ballroom of the Brookhaven Center.

Evening cardio kickboxing classes are offered on Tuesdays and Thursdays through June, from 5:15-6:15 p.m. The Tuesday class will be held in the Gym and the Thursday class will be held in the Brookhaven Center, North Room.

Each class is \$5 per participant, payable at the class. Registration is required. Call Mary Wood, Ext. 5923 or e-mail wood2@bnl.gov.

EAP Outreach Program: Coping with Change

Judy Davis will speak on "Quick Change Artistry: Survival Skills in an Age of Change," on Tuesday, May 2, 12 - 1:00 p.m. in Berkner Hall.

Davis will discuss how individuals and organizations can cope successfully with stress engendered by the ever-changing demands of the modern workplace. She will describe important psychological research and demonstrate its applications to real-life work situations. Two disguised coaching cases will be used to contrast effective and ineffective coping strategies. Finally, she will review some of the characteristics of a healthy organizational environment and tell the story of an organization that re-established a more viable culture.

Before receiving her doctorate in clinical psychology from the Derner Institute at Adelphi University, Davis worked in staff development for the Suffolk County Department of Social Services. In both her clinical work and organizational consultation, Davis helps people create pragmatic, realistic solutions to complex situations.

In addition, Davis provides coaching to private individuals as well as organizations. Her company, Performance Development Associates, provides 360-degree surveys, executive coaching for leadership development, team assessment and development, conflict resolution and organization diagnosis and development. Her associate, Mort Kissen, is developing programs to address work-life balance issues and exploring the use of relationships to restore energy depleted by on-the-job stress.

To participate, please return the bottom portion of the form, sent to all employees last week, to D. Polowczyk, Bldg. 490, before May 2. Participants may also register at the door, space permitting. The entire program will be audiotaped and available on cassettes in the Research Library.

Essay Contest Award Ceremony, 5/5

The eight finalists of the Science in Society Essay Contest will present their essays and receive awards at a ceremony to be held on Friday, May 5, at 4:00 p.m., in the Hamilton Seminar Room, Chemistry Bldg.

Juniors from eight local high schools – Bellport, Eastport-South Manor, E.L. Vandermeulen, Longwood, Riverhead, Rocky Point, Shoreham-Wading River, and Westhampton Beach – participated in the contest, sponsored by BNL’s Office of Educational Programs and the Friends of Brookhaven (FOB). Each finalist will receive \$200 and the “Grand Champion” an additional \$500 (prizes also sponsored by FOB).

The contest aims to challenge students to question and deliberate the purposes and social implications of scientific research. The keynote speaker will be Leon Jaroff, a science writer for Time magazine and a co-founder of Discover magazine. All are welcome. Refreshments afterwards.

Pick A High School Summer Student

Brookhaven Lab is looking for sponsors for Community Summer Science Program (CSSP) students. Student applications are available for review at the Science Education Center (Bldg. 438) through Friday, May 19. CSSP is a six-week summer program that offers talented local high school juniors and seniors lectures on BNL research in the mornings and internships in the afternoons. Interns participate in research under the direction of BNL staff at no cost to the sponsoring department. The program will run from Monday, June 26 through Friday, August 4.

For additional information, please contact Louise Hanson at Ext. 5849 or hanson2@bnl.gov.



Placement Notices

The Lab’s placement policy is to select the best-qualified candidate for an available position. Candidates are considered in the following order: (1) present employees within the department/division and/or appropriate bargaining unit, with preference for those within the immediate work group; (2) present employees within the Laboratory; and (3) outside applicants. In keeping with the Affirmative Action Plan, selections are made without regard to age, race, color, religion, national origin, sex, disability or veteran status. Each week, the Human Resources Division lists new placement notices, first, so employees may request consideration for themselves, and, second, for open recruitment. Because of the priority policy stated above, each listing does not necessarily represent an opportunity for all people. Except when operational needs require otherwise, positions will be open for one week after publication. For more information, contact the Employment Manager, Ext. 2882; call the JOBLINE, Ext. 7744 (344-7744), for a complete list of all job openings; use a TDD system to access job information by calling (631) 344-6018; or access current job openings on the World Wide Web at <http://www.bnl.gov/JOBS/jobs.html>.

LABORATORY RECRUITMENT - Opportunities for Laboratory Employees

DD8707. OFFICE SERVICES POSITION - Requires an AAS degree in business or accounting or equivalent relevant experience. Will provide varied support to multiple groups within the Accounts Payable Department (i.e. Contracts, Check Issuance, Cashier). Familiarity with computerized business systems highly desirable; knowledge of Excel and Word required. Financial Services Division.

OPEN RECRUITMENT - Opportunities for Laboratory Employees and Outside Candidates.

MK8803. POSTDOCTORAL RESEARCH ASSOCIATE - Requires a Ph.D. in physical chemistry with experience with laser mass spectrometer vacuum systems highly desirable. Research program goals are to design, construct and deploy, in the field, a new generation single particle mass spectrometer. This instrument will be used to study the properties of ambient atmospheric aerosols in real time. Under the direction of D. Imre. Environmental Sciences Department.

NLS8582. ADMINISTRATIVE POSITION - Clinical Research Center (Term Appointment) - Requires an AAS or BS in management, business administration or equivalent experience, good organizational skills, ability to work independently and ability to interpret and apply Federal and other applicable regulations to BNL’s clinical research operations. Proficiency with MS Office products highly desirable. Responsibilities will include assisting in maintaining policy and procedure documents, conducting and documenting assessments and reviews and participating in committee activities and special projects. Medical Department.

More About Credit Card Fraud

A new variation of credit card fraud has been reported. This new twist involves receiving an unsolicited call from someone pretending to be a representative of a major credit card company, like Visa or MasterCard. The caller will say the company is enacting a new anti-fraud program that utilizes a sticker. The caller asks the card holder to produce the card so instructions can be given on where and how to place the anti-fraud decal on the card. The caller first asks innocuous questions verifying the card holder’s name, address, phone number and expiration date. Then he or she asks for the actual credit card number.

Once this information is given, various other scams can then be used, and needless financial damage done, not to mention the inconvenience of replacing compromised cards.

The following are some helpful hints if you receive such a call:

- Do not give any information. Hang up (after noting the number called if you have caller ID) and report the incident to the appropriate credit card company.

- Report suspicious solicitations to the National Consumers League Fraud Hotline at 1-800-876 7060 and your local law enforcement agency.

Other measures that may help prevent you from becoming a credit card fraud victim include:

- Signing new cards as soon as you receive them.
- Destroying or safeguarding copies of receipts or anything showing credit card numbers, for example, airline receipts, etc.
- Reporting losses, thefts or errors immediately.

Never give out your credit card number over the phone if you did not initiate the call. Credit card numbers are MONEY — protect them as you would your wallet.

If you have any further questions on credit card fraud you can call Inspector Leonard Butera, BNL Crime Prevention Manager, Ext. 4691.

Pianist Jacques Després to Perform at Berkner Hall, April 30

The Greater Port Jefferson Arts Council will present a concert by pianist Jacques Després on Sunday, April 30, at 3 p.m. in Berkner Hall. A \$5 per person donation is suggested.

Since his debut with the Montreal Symphony Orchestra in 1978, Jacques Després has dazzled audiences in his native Canada and the U.S. with his sympathetic interpretations of a broad range of composers.

Després completed his doctorate at the State University of New York at Stony Brook, and he earned a master’s

degree from the Juilliard School of Music. He received several prestigious awards, including a unanimous first prize from the Conservatory of Quebec. In 1996, Després joined the faculty of Western Washington University in Bellingham. He also recorded solo piano repertoire for the Eroica and VDE/Gall CD labels.

At the BNL concert, Després will perform music by Beethoven, Silver, Durand and Schumann. For further information, call Ext. 4066 or Ext. 2345.

BERA Yankee Trip, 5/5

A few great box seats remain for the Friday, May 5, BERA trip to Yankee Stadium in the Bronx, to see the New York Yankees play the Baltimore Orioles. During the game, “Welcome BERA/BNL employees” will be posted on the scoreboard.

The cost of \$49 per person includes admission and transportation on a fully equipped bus. Participants are to arrive at the Brookhaven Center by 4:15 p.m. The bus will leave promptly at 4:30 p.m. for the 7 p.m. game, and will leave the stadium at approximately 10:30 p.m. after the game to return to the Lab.

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

BERA Wine Tasting

BERA will sponsor a wine tour and tasting on Saturday, May 20. See next week’s Bulletin for more details.

On-Site Service Station Runs Spring Specials

The on-site service station, Upton Industries, Inc. is running several spring specials, including:

- Delco Professional Series Batteries with six-year warranty on sale during May.

- Oil change special: \$19.95 from 5/1-5/5.

- Free mounting and balancing with the purchase of any tires (cars only, without wheel locks).

For more information, call Ext. 4034.

Dosimetry badges will be exchanged today, Friday, April 28. Therefore, please place your badge in its assigned rack space before leaving work today.

DD8535. TECHNICIAN POSITIONS - Requires an AAS or BSET degree in a technical discipline or equivalent experience. Duties and responsibilities will include operating the Tandem Van de Graaff accelerator and associated equipment (ion sources, injection system, beam transport, magnets, vacuum systems, gas transfer system, instrumentation and controls). Will be required to maintain, repair and modify the accelerator and equipment as necessary. Will be responsible for personnel and accelerator safety, and the training of facility users. Experience with complex electronic or electro-mechanical equipment is highly desirable. The ability to work rotating shifts is required. Collider-Accelerator Department.

DD8800. TECHNICIAN POSITION - Requires an AAS degree in electrical technology or equivalent experience to perform electrical cable testing and wiring tasks in support of experiments performed by the Atlas Project. Requires a knowledge of power supplies and equipment and the ability to wire and cable test. The ability to work under minimal supervision is also required. Physics Department.