

DOE's William Magwood Visits BNL



Roger Stoulenburgh D0421102

On November 15, among those who met for talks with William Magwood IV (third from right), DOE's Director of the Office of Nuclear Energy, Science and Technology are: (from left) BNL's Ralph James, William Horak, Suresh Srivastava, Betsy Sutherland, Derek Lowenstein; DOE Brookhaven Area Office's (BAO) Nand Narain, BNL's Joanna Fowler, DOE BAO's Frank Crescenzo, BNL's Interim Director Peter Paul, Nora Volkow, and Michael Todosow.

On November 15, William Magwood IV, DOE's Director of the Office of Nuclear Energy, Science and Technology, visited the Lab for talks on BNL research projects and initiatives in the Life Sciences (LS) and Energy, Environment, & National Security (EENS) Directorates.

After being welcomed by BNL's Interim Director Peter Paul, Magwood first heard detailed presentations on the status of BNL's proposed Cyclotron Isotope Research Center (CIRC) project.

Based on national need, in April 2000, DOE's Nuclear Energy Research Advisory Committee had strongly recommended developing a dedicated, single-mission isotope production and processing facility for medical and research applications.

In response to this recommendation, BNL proposed building CIRC, a dedicated facility, centered around a 70-million-electron-volt, 2000-microampere, negative hydrogen-ion cyclotron. A document justifying the need for CIRC was provisionally signed in 2001 by DOE's Nuclear Energy Office. If construction is approved, CIRC could be completed by FY 2007.

BNL is a well qualified location for CIRC because of the Lab's 50 years of experience in isotope research, which has produced some of the world's most widely used nuclear-medicine diagnostic and imaging agents and an excellent infrastructure for work in this field; BNL's world-class imaging center, where re-

searchers can test new isotopes in a medical environment; and the fact that BNL's site is near many important medical institutions as well as major domestic and international airports in the Northeast.

Magwood also heard talks on BNL's research collaboration with Argonne National Laboratory (ANL) under the International Nuclear Energy Research Initiative program. Together with French research institutes, BNL and ANL are working on advanced gas-cooled reactor systems that meet the program's goals of increased safety, enhanced proliferation resistance, and lower costs. Other talks with Magwood included BNL's work on the advanced fuel-cycle program, which uses thorium-based systems for significant reduction of the nuclear waste and plutonium produced in current nuclear reactors.

Magwood was also interested in BNL's Booster Application Facility, which simulates the very high-energy galactic cosmic rays that will be encountered outside the Earth's protective magnetic field, as, for example, during a manned mission to Mars. The effects of these rays potentially include altered brain function as well as damage to DNA.

A tour of some of the facilities supporting this research, followed by final talks with Interim Director Paul, Ralph James, and Nora Volkow, Associate Lab Directors for EENS and LS, respectively, concluded the visit. — Liz Seubert

Crystal Ball Detector Has Bright Future

The Crystal Ball Detector, which successfully served nuclear and particle physics experiments at the Alternating Gradient Synchrotron (AGS) since 1997, has left BNL for Germany's *Institut für Kernphysik* of the *Johannes Gutenberg-Universität*, Mainz, Germany. There, a new round of Crystal Ball experiments will begin using tagged photon beams from the Mainz Microtron, an electron accelerator with energies up to 855 million electron volts, now being upgraded to 1.5 billion electron volts.

The Crystal Ball is a multiparticle electromagnetic spectrometer. It has been extremely successful in studies of antimatter and has also been important for investigations of the properties of protons, the major building blocks of the universe. Before coming to the AGS, the Crystal Ball detector — which was originally built at the Stanford Linear Accelerator Center (SLAC) — was used in two different positron electron storage rings: the Stanford Positron Electron

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Pictured sending the packaged Crystal Ball detector off to Germany are: (from left) Aleksandr Starostin, University of California, Los Angeles (UCLA), Phil Pile, Collider-Accelerator Department (C-A); Vladimir Bekrenev, UCLA, Bob Metz, Plant Engineering (PE) Division; Joe Scaduto, C-A; Ben Nefkins, UCLA; Keith Krisman, Specialized Industrial Services Corporation (SISC); Ganga Ghimray, PE; Steve Krisman, SISC; Alex Korol, PE; and Jerry Hobson, PE.

Addicts' Brains Work Harder to Control Behavior

Overloaded circuits may explain tendency to binge, relapse

Results of a new BNL brain-imaging study, reported in the December 3, 2002, issue of *NeuroReport*, suggest that the orbitofrontal cortex — a higher-level brain center responsible for making decisions and modifying behavior — is involved in drug addiction and might be working extra hard in addicts trying to stay off drugs. The findings indicate a greater vulnerability among addicts whose behavior-control centers are "maxed out" to have occasional episodes of lost control, or drug-taking binges.

"Drug addiction, by nature, is a relapsing disorder that is very hard to control," explains Rita Goldstein of the Medical Department, the lead author of the paper. "If addicts' behavior-control centers are already overworked, and you expose them to cues or environments that have previously been associated with drug use, or some kind of stress that increases their probability of relapse, they may no longer be able to resist the urge to use drugs."

This study was supported by grants from the National Institute on Drug Abuse, DOE's Office of Biological & Environmental Research, the National Institute on Alcohol Abuse & Alcoholism, Harbor-UCLA General Clinical Research Center, SUNY-Stony Brook General Clinical Research Center, and the Office of National Drug Control Policy.



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Rita Goldstein

The study was conducted in 14 recently abstinent methamphetamine abusers and 22 comparison subjects, using personality measures to determine each subject's "harm-avoidance" score — or tendency to avoid dangerous situations — and positron-emission tomography (PET) scanning to measure resting metabolism in the orbitofrontal cortex of each subject's brain.

In addition to Goldstein, Nora Volkow, Linda Chang, and Gene-Jack Wang of the Medical Department, Joanna Fowler of Chemistry, Richard Depue of Cornell University, and Ruben Gur of the University of Pennsylvania are coauthors on the study.

"The results indicate that, in the methamphetamine abusers, something may have gone awry in the orbitofrontal cortex," Goldstein says.

Non-addicted subjects, she explains, maintain a steady state of metabolic activity, which allows the

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All Hands Meeting
to be held by
BNL Interim Director
Peter Paul
Monday, December 9
1-2:30 p.m., Berkner Hall
All are invited.

Spallation Neutron Source Project: Another Milestone Met Head On!



Roger Stoulenburgh D0051102

More than one month ahead of schedule, the BNL Spallation Neutron Source (SNS) Project members gathered recently in Building 902 to celebrate the delivery of the first of 32 magnet assemblies to be shipped to the SNS accelerator construction site at Oak Ridge National Laboratory in Tennessee. As one of six DOE national labs in the SNS collaboration, which is funded by DOE's Office of Basic Energy Sciences, BNL is responsible for designing, manufacturing, and testing the SNS accumulator ring. When completed in 2006, the accelerator-based SNS will produce beams of neutrons which will enable scientists to study materials at the atomic level and use the information to design stronger, lighter, and less expensive materials. Pictured above are many BNL SNS members, including representatives from DOE, BNL's Director's Office, Collider-Accelerator Department management, the Magnet Division, and the BNL/SNS Project Office — physicists, engineers, designers, technicians, and administrative staff who participated in this effort. (For more details on the SNS project and BNL's part in it, see the Bulletin of December 14, 2001, at www.bnl.gov/bnlweb/pubaf/bulletin/2001/bb121401.pdf.)

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 Chris Carter, 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 —

Weekdays: Free English for Speakers of Other Languages Classes

Beginner, Intermediate, and Advanced classes. Various times. All are welcome. Learn English, make friends. See www.bnl.gov/esol/schedule.html for schedule. Jen Lynch, Ext. 4894.

Mondays: BNL Gospel Choir

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

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., Thurs., & Fri.: Tai Chi

Noon- 12:45 p.m., Brookhaven Center North Room. Adam Rusek, Ext. 5830 or rusek@bnl.gov.

Mondays: BNL Dance Club Ballroom, Latin & Swing Practice

5:30-7 p.m. North Ballroom, Brookhaven Center, except Lab holidays. Jean Logan, jlogan@bnl.gov or Ext. 4391.

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 Monique de la Beij, 399-7656.

Tuesdays: BNL Music Club

Noon, North Room, Brookhaven Center. Come hear live music. Joe Vignola, Ext. 3846.

Tuesdays: Aqua Aerobics

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

Tuesdays: BNL Dance Club Individual & Couples instruction

5-11 p.m. North Ballroom, Brookhaven Center. Ron Ondrovic, ondrovic@bnl.gov or Ext. 4553.

Tuesdays: Toastmasters

1st and 3rd Tuesday of each month , 5:30 p.m., Bldg. 463, room 160. Guests, visitors always welcome. www.bnl.gov/bera/activities/toastmstrs/default.htm.

Tuesdays & Thursdays: Aerobics

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

Tuesdays & Thursdays: Aqua Aerobics

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

Wednesdays: On-Site Play Group

10 a.m.-noon. Rec. Bldg. A infant/toddler drop-in event. Parents meet while children play. Svetlana Agafonova, 205-5065.

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., Brookhaven Ctr. Free. Ila Campbell, Ext. 2206.

Wednesdays: Open Chess Night

5-8 p.m., Rec. Hall. Christine Carter, Ext. 5090.

Wednesdays: Exercise 101

5:15-6 p.m., Rec. Bldg. \$4 per class or \$35 for 10 classes. Stretching, low-impact aerobics, and other exercises. Pat Flood, Ext. 7886.

Wednesdays: Dance Club Group Lessons

5-9 p.m. North Ballroom, Brookhaven Center. Marsha Belford, belford@bnl.gov or Ext. 5053.

Thursdays: Science Discussion Group

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

Fridays: Family Swim Night

5-8 p.m. at the BNL Pool. \$5 per family.

Fridays: BNL Social & Cultural Club

8-11:30 p.m., Brookhaven Ctr., social. Rudy Alforque, Ext. 4733, rudy@bnl.gov.

Saturdays: BNL Dance Club Monthly Ballroom Dance Social

8-11:30 p.m. Ballroom, Latin & swing dancing, North Ballroom, Brookhaven Center. Tuesday 12/31, 1/25, 2/15, 3/15, 4/12, 5/17. Marsha Belford, belford@bnl.gov or Ext. 5053.

Dosimetry badges will be exchanged today, Friday, December 6. Remember to place your badge in its assigned rack space before leaving work today.

— THIS WEEKEND —

Friday, 12/6

BNL/BERA Holiday Party

6-10 p.m., East Wind Caterers in Wading River. For those who have already purchased tickets at the BERA Sales Office in Berkner Hall.

Sunday, 12/8

Bus Trip to New York City

\$10 per adult and \$5 per child age 2-12. The BNL Hospitality Committee invites all BNLeers to attend a bus trip to New York City. See notice on page 3. Miriam Rondon, 331-3545 or miaro01@hotmail.com.

Seventh Annual Pine Barrens Research Forum Held at BNL

Managing the potential problems that result from deer overpopulation and the prevalence of insects such as ticks, monitoring of pesticides in groundwater, as well as classifying and mapping the Long Island Pine Barrens were all among the highlights of talks given at the seventh annual Pine Barrens Research Forum hosted by BNL on October 3 & 4.

About 120 people attended the conference, which was sponsored by BNL, the Central Pine Barrens Commission, and the Long Island Groundwater Research Institute at Stony Brook University.

Long Island's 100,000 acres of pine barrens act as a filter to purify the water entering sole source aquifer providing drinking water for Long Islanders. BNL's 5,300-acre site, which is largely undeveloped, comprises about 5 percent of the Long Island Pine Barrens.

"This conference had a number of firsts," said one of the forum's organizers, Tim Green of BNL's Environmental Services Division. "The first research coming out of the on-site Upton Ecological & Research Reserve was presented, including the first vegetation maps. These maps should help in determining the best methods of managing plant and animal habitats and fire.

"In addition," added Green, "High school students presented their research at a Pine Barrens Forum for the first time as a paper and not simply a poster."



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At the seventh annual Pine Barrens Forum at BNL are: (from left) George Proios, Suffolk County Planning Department and Central Pine Barrens Commission; Henry Bokuniewicz, Stony Brook University (SBU) Long Island Groundwater Research Institute; Ray Corwin, Central Pine Barrens Commission; Jan Naidu, BNL (retired); Martin Schoonen, SBU Department of Geosciences; Erika Schaub, Battelle; Martin Trent, Suffolk County Department of Health Services; Frank Crescenzo, DOE Brookhaven Area Office; Tim Green, BNL Environmental Services Division.

Students from Riverhead High School presented their work entitled, "Biodiversity Decline in a Pine Barrens Wetland and Efforts to Reverse the Process." Since 1997, junior and senior students from Riverhead High School have worked with the Quogue Wildlife Refuge and the New York State Department of Environmental Conservation (NYSDEC), to establish a long-term plan to revitalize the endangered white-fringed orchid at the refuge.

Martin Trent and Sy Robbins from the Suffolk County Department of Health Services presented the results of their water-quality monitoring program to detect pesticides in Long Is-

land groundwater. They reported that the herbicide metolachlor and its breakdown products supplanted aldicarb as the most frequently detected pesticide monitored in groundwater. Further study is needed to assess the potential adverse effects on Long Island's aquatic ecosystems, they said.

Douglas Little, NYSDEC, spoke about the explosion of the deer population on Long Island. He affirmed that the increased number of deer has contributed to changes in undeveloped habitat, creating an increasing economic burden on farmers and problems for suburban homeowners. Little said that hunting is the most

Addicts' Brains Work Harder to Control Behavior

orbitofrontal cortex to exert control over behaviors. But in drug addicts, whose metabolic rate is variable and highest in those most interested in avoiding harm, the orbitofrontal cortex may fail to properly inhibit excessive drug consumption and

may also fail to trigger aversive reactions to other potentially dangerous situations.

"This dysfunction may help explain why addicts often relapse to drug use shortly after being in drug rehabilitation, when they are no longer under

the monitoring of a structured program," Goldstein says.

On a more hopeful note, Goldstein suggests that, if addicts remain in treatment, their brain function might normalize over time to a point at which they would no longer have to

cost-effective way to control the deer population.

On behalf of Battelle, Erika Schaub presented \$500 awards to high school and college students, to foster the students' demonstrated interest in environmental issues. Laurie Appel and Gail Ricciotti, Suffolk Community College, shared an award for their research on "Vegetation Mapping of the Peconic River." Megan Dyer, University of Rhode Island, was awarded for her paper on "Deer Population Estimates." And Charles Macanka, Smithtown High School, a Suffolk Community College Center for Community Research-BNL Community Summer Science Program student, won an award for his abstract, "The Use of Geographic Information Systems in Vegetational Analysis."

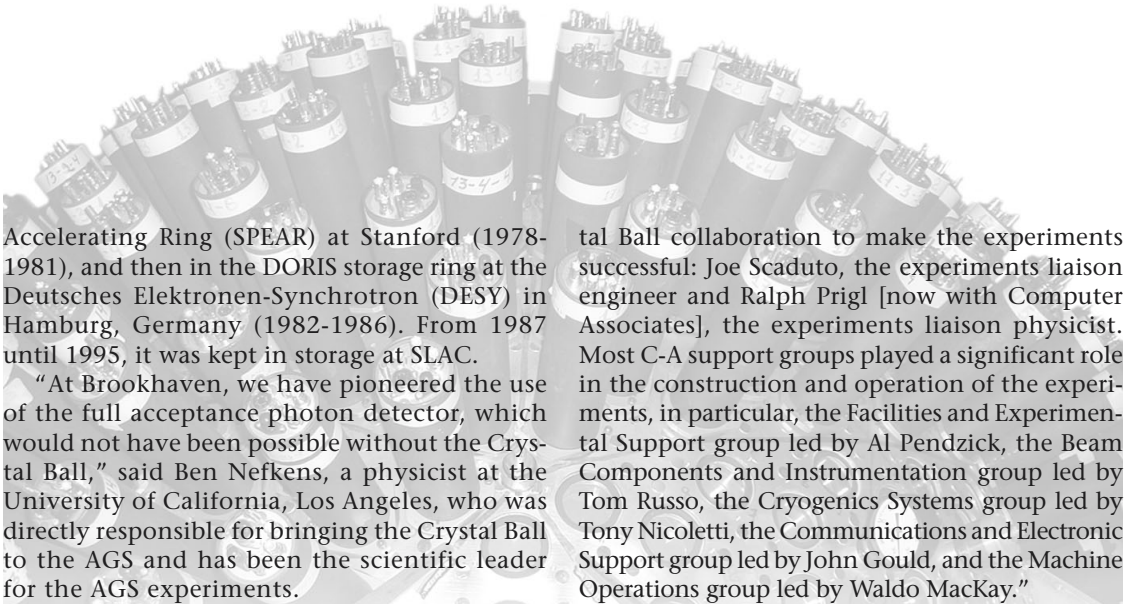
Two field trips were offered during the forum. Kevin Shaw of the Environmental Restoration Division and Amanda Ludlow of Roux & Associates led a tour along the Peconic River, where soil-contaminant clean-up techniques have been evaluated for effectiveness and impact on the river. The second tour, led by Fire Island National Seashore staff, took in part of the national seashore and the Otis Pike Wilderness Area, which includes about 1,363 acres stretching west from the National Park Service's Smith Point Visitors' Center, adjacent to the Central Pine Barrens. The national seashore staff discussed research and management activities in the area.

— Diane Greenberg

(cont'd.)

Crystal Ball Detector Has Bright Future

(cont'd.)



Accelerating Ring (SPEAR) at Stanford (1978-1981), and then in the DORIS storage ring at the Deutsches Elektronen-Synchrotron (DESY) in Hamburg, Germany (1982-1986). From 1987 until 1995, it was kept in storage at SLAC.

"At Brookhaven, we have pioneered the use of the full acceptance photon detector, which would not have been possible without the Crystal Ball," said Ben Nefkens, a physicist at the University of California, Los Angeles, who was directly responsible for bringing the Crystal Ball to the AGS and has been the scientific leader for the AGS experiments.

"This program has achieved a level of productivity and high quality that even exceeded my optimistic expectations," he added, commenting that he plans to apply the same ideas in Mainz, where he will oversee the detector's upcoming experiments. "Rather than having this Crystal Ball detector gather dust, we are planning a new, unique program using tagged polarized photons and polarized targets with the upgraded Mainz Microtron facility."

Phil Pile, head of the Collider-Accelerator Department's Experimental Support and Facilities Division at BNL, said, "We are sorry to see the Crystal Ball go, but glad to see it will be put to further good use."

Pile continued, "Two individuals stand out among the BNL staff who worked with the Crys-

tal Ball collaboration to make the experiments successful: Joe Scaduto, the experiments liaison engineer and Ralph Prigl [now with Computer Associates], the experiments liaison physicist. Most C-A support groups played a significant role in the construction and operation of the experiments, in particular, the Facilities and Experimental Support group led by Al Pendzick, the Beam Components and Instrumentation group led by Tom Russo, the Cryogenics Systems group led by Tony Nicoletti, the Communications and Electronic Support group led by John Gould, and the Machine Operations group led by Waldo MacKay."

The Crystal Ball consists of 672 individually wrapped and separately viewed scintillation counters made of sodium iodide. They are arranged in a sphere of about six feet in diameter. There is a small cavity in the center for the target. To have access to the target, the Crystal Ball is constructed as two hemispheres, each weighing four tons.

On November 6, these hemispheres were shipped in two custom-made containers and flown by a specially equipped Boeing 747 cargo jet from JFK to Frankfurt, where a welcome team from the university of Mainz and UCLA waited to bring the detector to Mainz for installation.

With some upgrades, the detector should be operational by next summer.

— Karen McNulty Walsh

Discussion Group
On Science Education

The Office of Educational Programs is sponsoring a twice-monthly "Science Education Forum," open to all BNL staff who are interested in discussing interesting or timely issues in science education.

The forum will be held every other Wednesday, from noon to 1 p.m., at the Science Education Center, Bldg. 438. Participants may bring their lunch, and soft drinks, coffee and tea will be provided. The meetings will start on Wednesday, December 18, and will continue twice a month in the new year, on January 8, January 22, etc.

Arrivals & Departures

Arrivals

Congwu Du Medical
Veena Venkatagiriappa..... NSLS

Departures

Katherine Carney Waste Mgmt.
Loretta Cuniff Env. Svcs.
Peter Horton P&GA
Jason Howitt Biology
John Ostaszewski Magnet
John Small PPM
Nicholas Weih Magnet
The Bulletin greatly regrets that, in the Departures list of November 22, 2002, the names of Frank Miller and Anthony Sturcken, both of the Plant Engineering Division, were misspelled.

S&SD Collects Holiday Donations For Victims of Domestic Violence

Safeguards & Security Division S&SD personnel, led by Officer JoAnn Palumbo and Officer Kathy McNaught, are again collecting money and gifts for victims in shelters protected by the Suffolk County Coalition Against Domestic Violence and the Long Island Women’s Coalition, Inc. Gifts from the Lab community would help make a difference to many abused women and children.

To donate, after showing your badge, you may drop your gift in donations bins at the entrance to the circle at BNL’s Main Gate and at the North Gate barricade. Gifts for women, children, or infants could include: easy-fitting clothes, sleepwear, gloves, toys, games, cosmetics, knitting needles, yarn, restaurant coupons, linens, towels, sheet sets, and pre-paid phone cards.

Gift items should be new, still in their packaging, but unwrapped. Or, send a check made out to “Suffolk County Coaliton Against Domestic Violence,” in care of JoAnn Palumbo, S&SD, Bldg. 50. The gift drive will continue until Thursday, December 23.

Littlest Carollers

All are welcome to come to listen to the very young children from the Child Development Center as they sing some holiday songs and carols in Berkner Hall lobby, beginning at 12:30 p.m., on Wednesday, December 11.

Service Awards

The following employees celebrated BNL service anniversaries during September 2002.

40 Years

Donald Bastedo C-A
Richard Hogue Physics

35 Years

Michele Haller PPM
John Maddock, Jr. C-A
Albert Casper C-A
Richard Machnowski Instrument.
William Venegas, Jr. C-A
Raymond Atkins C-A

30 Years

Peter Bond Physics
Craig Thorn Physics
Michael Creutz Physics
Serban Protopopescu Physics
Harold Bolling PPM

25 Years

Sheryl Golden Director’s Office
George Hendrey Env. Sci.
Kevin Kobus Plant Eng.
Peter Bonti S&S
Peter Garcia S&S
Mark Sardzinski C-A
Marilyn Zane Plant Eng.
Susan Foster Human Res.
Ora Colson Reactor
Richard Tulipano C-A
Jean Logan Chemistry

20 Years

Alfonso Borrelli NSLS
John Muller ITD
Norman Cernyar NSLS
Jerry Gaeta ISD
Robert Sikora C-A
Donald Tarrant Plant Eng.
Patricia Valden ISD
Donna Dowling Human Res.

10 Years

John Hill Physics
Stephen Peggs C-A
Scott Rottner C-A
Felicia Kramer HR
Kenneth Riker, Jr. C-A
Cheryl Burns Rad. Ctrl.
Todd Corwin Physics
Laura Taddonio C-A
Brian Mullany C-A
Kathleen Geiger CEGPA
Yoong Koh NSLS
Philip Harrington Training
Helga Schenk Biology

Shop at BERA Store

Start holiday shopping at the BERA Sales Office in Berkner Hall, open on weekdays, 9 a.m.-3 p.m. Buy BERA Store gift certificates, hats, film services, BNL sweatshirts, T-shirts, golf shirts, “padfolios,” pens, mugs, LI Entertainment Books, discounted movie tickets — and more!



BNL’s United Way Drive Update: \$57,900 So Far

In the first ten days, BNL’s 2003 fund drive for the United Way has reached \$57,900 on the way to the \$115,000 goal.

“So far, pledges have come in from 9 percent of Lab employees,” said Liz Mogavero, Physics Department, who handles the accounting of the fund drive.

“I’m hoping to have much more work to do on new pledges soon.”

Others who provide vital help to Linda Sinatra, who is this year’s Fund Drive Coordinator, are the Fund Drive Captains, who represent each Lab department or division. These volunteers will get information about the United Way for anyone who contacts them.

BNL’s United Way Fund Drive Captains

Name	Department	Bldg.	Ext.	e-mail@bnl.gov
Maria Apelskog	Medical	490	3715	apelskog
Patti Bender	Plant Eng.	130	3145	bender
Beth Blevins	Env. Mgmt.	860	6033	Blevins1
Debbie Botts	PPM	211	3888	botts
Gail Brown	ES&T	526	5850	Brown9
Lois Caligiuri	Chemistry	555	4397	loisc
Sheryl Carey	Rad. Ctrl.	194	7716	carey
Diane Carlson	OMC	490	3670	dcarlson
Susan Cataldo	ES&T	197	4461	cataldo
Debbie Doyle	Plant Eng.	134	5916	doyle
Beth Evely	QA	703	3689	evely
Tirre Farmer	Plant Eng.	134	3288	farmer
Patricia Flood	InSD	477	7886	pflood
Susan Foster	HR	185	2888	foster
Linda Hanlon	ES&T	475	7517	hanlon
Tammy Heinz	Physics	510	5864	theinz
Toni Hoffmann	Bus. Svcs.	459	5257	Hoffman1
Betty Ivero	Env. Sci.	179	2452	ivero
Linda Jones	Fiscal Svcs.	801	5406	jones3
Sharon Jones	Counterintelligence	801	2493	sjones
Claire Lamberti	CDIC	515	3051	lamberti
Elliott Levitt	Internal Audit	134	2495	Levitt1
Beth Lin	Biology	463	3372	bylin
Ali Lopez	Mat. Sci.	480	2590	lopez
Jennifer Lynch	Staff Svcs.	179	4894	lynch
Lois Marascia	Director’s Office	460	8600	marascia
Mindy Markstaller	S&S	50	2280	markstal
Terry Maugeri	SBMS	197	5980	maugeri
Maureen McDonnell	Budget	460	5026	mcdonnell
Liz Mogavero	Physics	510	3940	mogavero
Susan Monteleone	ES&T	130	7235	monteleone
Eileen Morello	NSLS	725	2145	morello
Joyce Mortimer	Ind. Oversight	130	3650	mortimer
Ed Murphy	Plant Eng.	134	3466	etmurphy
Mary Ostensen	C-A	911	6122	maryo
Kim Pellechi	Biology	463	7430	pellechi
Michele Pergol	Nonproliferation	197	3281	pergola
Susan Perino	Plant Eng.	134	2483	perino
Arthur Piper	C-A	911	7934	piper
Lydia Rogers	NSLS	725	4746	lrogers
Barbara Roland	Env. Sci.	815	3275	roland
Mona Rowe	CEGPA	134	5056	mrowe
JoAnn Rula	Env. Rest.	51	5768	jrula
Mike Schaeffer	Plant Eng.	97	7941	schaeffer
Dawn Schick	Fiscal Svcs.	134	2463	schick
Linda Sinatra	Fiscal Svcs.	801	6042	sinatra
John Smedley	Instrumentation	535	7865	smedley
Rich Spellman	Central Shops	462	3351	spellman
Linda Strome	Emergency Svcs.	599	5384	stromer
Mari Sullivan	Plant Eng.	134	3756	mariloa
Aimee Sumereau	ITD	515	4401	aimee
Diana Votruba	Magnet	902	5123	votruba
Donna Wadman	S&H Svcs.	129	2542	wadman
Kathy Walker	S&S	50	7105	kwalker
Marilyn Zane	Plant Eng.	134	5075	zane

Sinatra reminds BNLers of extra ways in which to “share from the heart,” as this year’s campaign theme suggests, by participating in the following events:

Holiday Auction: Wednesday and Thursday, 12/11 & 12, at Berkner Hall, 11 a.m.-2 p.m. Dawn Schick, Ext. 2463, is collecting gifts and gift certificates for this grand raffle event. Raffle tickets can be bought with cash or by check payable to the United Way. Drawings for the raffles will be on Thursday afternoon.

Yard Sale: Wednesday and Thursday, 12/11 & 12, to be held with the Holiday Auction. Chris Johnson is coordinating the Plant Engineering yard sale, where gently used tools, sporting equipment, and collectibles will be sold. Contact Johnson, Ext. 7636, to donate suitable items.

Volunteer Program: With supervisory approval, BNL employees can volunteer for a minimum of two hours, one of which can be a work hour. BSA will donate \$20 per hour for every hour volunteered until the end of the year and up to a ceiling of \$10,000. Contact Beth Blevins, Ext. 5630, for more information.

Holiday Gift Wrapping: Monday through Thursday, 12/16-19, 11 a.m.-2 p.m., bring your gifts to Berkner Hall to have them wrapped. Shirt box size and smaller will cost \$1, and larger sizes will be \$2 and up. For \$1 more, your packages can be delivered to your building. Call Christine Carter, Ext. 5090, for information.

Language Interchange Program Lunchtime Event, 12/13

On Friday, December 13, from noon until 1 p.m., come and converse with people of diverse language backgrounds at the Language Interchange Program’s (LIP) “Lucky LIP,” a casual conversation event at the Recreation Hall, Bldg. 317, in the apartment area. If you would like to practice a language with a native speaker while helping that person improve their language skill in your own native tongue, now is your chance.

Soda and snacks will be provided, and participants are free to bring their lunch. To attend, contact Jennifer Lynch, Ext. 4894 or lynch@bnl.gov, by Wednesday, December 11. To join LIP, call Lynch or go to www.bnl.gov/esol/LIP.htm.

Calendar

(continued)

— WEEK OF 12/9 —

Monday, 12/9

Retirement, Estate-Planning Seminar
5:30-7:30 p.m., Berkner Hall, Room B. Learn about calculating the cost of retirement, identifying sources of retirement income, estate planning principles, tax advantages, wills and more, at “Pre-Retirement and Estate Planning,” a seminar by American Express Financial Advisors Inc., as part of the Money Talks: Financial & Retirement Planning Seminar Series organized by the Human Resources Division. To attend, complete and return the form sent to all employees, to Joyce Wund, Bldg. 185, by Wednesday, November 27.

Wednesday, 12/11

Child Development Center Carollers
12:30 p.m., Berkner Hall. BNL’s youngest carollers.

Wed. & Thurs. 12/11&12

United Way Holiday Auction, Yard Sale
11 a.m.-2 p.m., Berkner Hall. See notice at left.

Thursday, 12/12

BNL Blood Drive

9:30 a.m.-3 p.m., Brookhaven Center. BNLers from 17 to 75 years of age, in good health, and weighing over 110 lbs. are welcome. All donors should have photo identification and know their social security number. Susan Foster, Ext. 2888, donateblood@bnl.gov.

GLOBE Meeting

The Gay, Lesbian, and Bisexual Employee Club at BNL will hold its monthly meeting. For the meeting’s time and location, contact Debbie Bauer, Ext. 5664, or Mike Loftus, Ext. 2960. For more information about the GLOBE club, see www.bnl.gov/bera/activities/globe.

Saturday, 12/14

Jim Dexter, Bill Meehan Concert

8 p.m., Berkner Hall. Local singer-songwriters Jim Dexter and Bill Meehan will present their original works on acoustic guitars, sponsored by the BNL Music Club. Tickets cost \$10 if purchased in advance at the BERA Sales Office and \$12 if purchased at the door. For more information, contact Joe Vignola, Ext. 3846. See also page 4.

Sunday, 12/15

Hospitality Christmas Potluck

5 p.m., Rec. Bldg. All are invited to the BNL Hospitality Committee’s Christmas Potluck Dinner. Bring a dish to share for six people. Santa will arrive at 5:30 p.m. For more information, contact Monique de la Beij, 399-7656.

— WEEK OF 12/16 —

Wednesday, 12/18

Science Education Forum

Noon-1 p.m., Bldg. 438. All are welcome to join a discussion on interesting and timely issues in science education. Refreshments will be provided. Bring your own lunch. Brian Murfin, Ext. 7171.

Thursday, 12/19

BNL Carollers Sing

12:15-12:45, Berkner Hall. The BNL Caroller Group will sing carols and holiday songs during a holiday lunch at the cafeteria.

BERA Bridge Club

7 p.m., Brookhaven Ctr., South Rm. Morris Strongson, Ext. 4192, mms@bnl.gov.

— WEEK OF 1/6 —

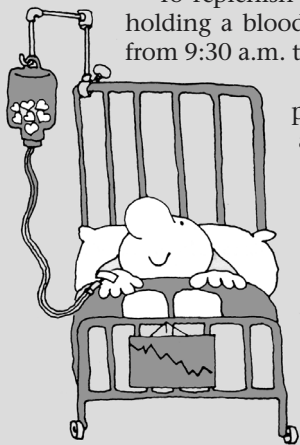
Wednesday, 1/8

Science Education Forum

Noon-1 p.m., Bldg. 438. All are welcome to join a discussion on interesting and timely issues in science education. Refreshments will be provided. Bring your own lunch. Brian Murfin, Ext. 7171.

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. Enter 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.

Roll Up Your Sleeve: Blood Drive, 12/12



To replenish Long Island's blood supply, BNL is holding a blood drive on Thursday, December 12, from 9:30 a.m. to 3 p.m. in the Brookhaven Center.

Those eligible to donate are people in good health between the ages of 17 and 75 who weigh at least 110 pounds. Donors should have photo identification and know their social security number.

To make an appointment, contact Susan Foster at Ext. 2888 or e-mail donate.blood@bnl.gov. In your message, include your name, phone extension, and preferred time to donate.

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 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 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 www.bnl.gov/HR/jobs/default.htm.

LABORATORY RECRUITMENT - Opportunities for Laboratory employees.

NS2066. PROJECT ENGINEER (P-7) - Requires a BS in an ESH related field plus five years ESH experience, detailed knowledge of BNL and OSHA safety requirements, and the ability to write well and interact well with people. Familiarity with accelerator and operational issues is an important plus. Will be responsible for administration of the NSLS Tier I Safety Inspection Program, including conducting inspections, report writing and follow-up; the NSLS 90-Day Storage Area, and will provide daily support and oversight of all NSLS Satellite Accumulation Areas. Will also be responsible for ongoing liaison with the BNL Chemical Management program, and will provide support and oversight of ESH aspects of all activities on the experimental floor of the NSLS and SDL, with special emphasis on chemical and cryogenic handling, beam line configuration, and emergency response. National Synchrotron Light Source Department.

OPEN RECRUITMENT - Opportunities for Laboratory employees and outside candidates. MK2067. SCIENTIST (S-3) - Requires a Ph.D. in physics, chemistry or materials science (or related field), and a minimum of three years' postdoctoral experience in synchrotron-based x-ray scattering and/or x-ray microdiffraction. Responsibilities include coordinating and planning of materials science programs at the NSLS. Under the direction of C.-C. Kao. National Synchrotron Light Source Department.

MK3067. POSTDOCTORAL RESEARCH ASSOCIATE - Requires a Ph.D. in experimental nuclear or elementary particle physics with experience in both detector hardware and the use of modern computing tools for detector simulation and data analysis highly desirable. Position is with the PHENIX Group which uses a large, multipurpose detector to perform forefront research in the study of relativistic heavy ion and polarized proton collisions at the highest available energies. PHENIX explores a broad area of physics which emphasizes the possible phase transition to a quark-gluon plasma in heavy ion collisions, and the origin of the proton spin in polarized proton interactions. Research will involve participation in 1) the collection and analysis of data and 2) working on detector operation, maintenance and upgrades devoting approximately 50 percent to each effort. Under the direction of M. Tannenbaum, Physics Department.

NS8068. SR. TECHNOLOGY ANALYST (I-5) Requires a bachelor's degree in computer science or a related discipline, or equivalent experience, which must include three years' IT experience with extensive background in Help Desk/Desktop Support environment, as well as hands-on knowledge of network database tools (registration, ARP tables, DNS).□Extensive hands-on knowledge of Windows PC and server operating systems is also required. Cisco certification (CCNA or higher) highly desirable. Will provide day-to-day maintenance and support of the BNL

Network Registration process.□Will maintain the registration database, ensuring accurate interface with ITD Domain Name Server (DNS) Address Resolution Tables, ITD Network Jack Database, and individual department network databases.□Will conduct routine audits of unregistered devices on the network and coordinate with departments to ensure they are located and registered. Will ensure that ITD Network Engineering changes in IP address ranges are accurately reflected in the Network Registration database. Information Technology Division.

NS8069.□TECHNOLOGYANALYST (I-4) - Requires a bachelor's degree in computer science or related discipline, or equivalent experience, which must include at least two years' hands-on knowledge of Windows computing environment through industry certification (MCSA, A+).□Will provide support for the centralized administration of all BNL Windows computers managed by ITD.□Will utilize Windows scanning tools (e.g. hfnetwork) to maintain current data on the remediation state of all of Windows machines managed by ITD; coordinate the automated distribution of Windows security patches to all machines; coordinate manual updating and configuration of legacy Windows machines not supported by automated tools and provide consultation and support of BNL Windows Systems Administrators as required.□InformationTechnology Division.

TB2806. BIOLOGY ASSOCIATE III (P-3, term appointment, ERAP Eligible \$1000) - Requires a BS in biochemistry, molecular biology or related field with at least one year's experience in protein purification and analysis, and basic molecular biology techniques. Will assist scientists in the group in their experiments along with performing general maintenance of the biochemistry lab and managing purchases of materials and supplies. Biology Department.

TB8544. ADMINISTRATIVE SECRETARY (A-2, term appointment, reposting) - Requires formalized secretarial training or the equivalent, plus six years of pertinent experience and computer proficiency in MS Office products such as Word, Excel, PowerPoint, Access, and Outlook. Should have the ability to obtain a security clearance.□Knowledge of Laboratory practices, policies, and procedures related to assigned administrative functions is desirable and knowledge of IPAP, Web Reqs, and PeopleSoft systems desirable. Will perform secretarial functions for a project team in the Nonproliferation and National Security Department. Will process extensive number of foreign and domestic travel plans for project members inside and outside the Laboratory and for subcontractors.□Will act as liaison between project team and various BNL departments as well as frequent contact with high-level staff at DOE, other national laboratories and subcontractors regarding travel coordination, and invoice processing and tracking. Typical assignments may include presentation, report and correspondence preparation, scheduling appointments and other administrative duties as well as coordinating and attending weekly teleconferences between DOE and project team members and recording minutes for distribution.□Will be responsible for the correct handling and filing of Russian deliverables and reports, including proper access, reproduction, storage, transmission and destruction of foreign government/access-controlled documents in accordance with Executive Order 12958. Nonproliferation and National Security Department.

Motor Vehicles & Supplies

99 FORD WINDSTAR LX - 5-spd., a/t, a/c, p/s, p/b, p/w, 38,600 mi., good cond., \$12,000. Louis, 588-7260.
99 TOYOTA COROLLA - beige, a/t, a/c, p/s, p/b, p/w, 4-dr., 50K mi., stereo/cass., tilt, cruise, excel. cond., \$8,295. Ralph, 325-0145.
94 CHEVY CAMARO - 5-spd., 96K mi., V6, a/c, Bose, alarm, excel. cond., \$3775. Rich, Ext. 4834.
94 PLYMOUTH GRAND VOYAGER - a/t, a/c, p/s, p/b, 140K mi., orig. own., tint, v.g. cond., \$2,900. Mark, Ext. 3837 or 281-5060.
93 MERCURY VILLAGER LS MINIVAN - a/t, a/c, p/s, p/w, 88K mi., excel. cond., \$5,500. Pierre, Ext. 4325 or Ext. 1075.
92 FORD RANGER - needs trans. work, \$500. Angela, 475-2946.
91 MARQUIS - good running cond., high mi., \$1,500. Norman, Ext. 4446 or 399-1125.

90 MITSUBISHI MIRAGE - white, a/t, a/c, p/s, p/b, 4-dr., 130K mi., \$550. Ken, Ext. 4581 or 331-9056.

89 NISSAN MAXIMA - a/t, a/c, 195K mi., sunroof. Jeff, Ext. 7580 or 948-2389.

87 CHEVY BLAZER - black, full size, 8" lift, new trans., CD/cass. player, \$4,500. John, 929-6403.

87 FORD TAURUS WAGON - all power, 135K mi., runs well, needs front brakes & some minor repairs, \$700. Victor, Ext. 3794 or Ext. 1151.

TIRE - new Michelin 195-60HR14 & Honda/Acura steel rim, \$40. Fred, Ext. 5741.

Boat & Marine Supplies

15' PELICAN DAREDEVIL CANOE - excel. cond., oars, seat covers, small boat trailer, never used, \$200. Deborah, Ext. 5664.

Furnishings & Appliances

BASSINET - v.g. cond., \$30 obo. Ext. 2457.
BED - Craftmatic, twin, \$400; couch & love seat, excel. cond., \$200. Ext. 4591.

BED - twin, like new, mattress, boxspring, frame & oak headboard, \$200. Ext. 2517.
BOOKCASE - maple, solid wood, 25" high, 32" long, 2 shelves, \$30; lamps, brass, 21" high, classic style, no shades, \$30/pair. Karen, Ext. 4262.

CABINET - kitchen, 9½ ft., counter top w/ sink, 2 dbl. top cabinets & 1 over the stove, 3 bottom cabinets, v.g. cond. Carl, Ext. 2543.
DESKS - brown, 24" x 48", 8 drawers, \$25; small desk, 16" x 40", 3 drawers, \$10. Roy, Ext. 7531 or 929-3550.

DRYER - electric, GE, lg. capacity, runs, \$50; chest, freezer, 14.0 cu. ft., excel. cond., \$200. 467-8297.

FURNITURE - 2 sofas/chair/ottoman set, comfortable, \$250; 24" x 22" round black mica cabinet, \$40; double futon, 6" thick, \$40. Darcy, Ext. 3362 or 286-8523.

ROCKING HORSE - child's, oak, like new, orig. \$300, ask. \$100 obo. Nancy, Ext. 4303 or 878-5449.

RUG - Rya rug, orange, brown & gold, 6' x 8', \$150. Bruce, Ext. 4332 or 286-2114.

SLEEPER/SOFA - w/matching recliner, 93", mint cond., \$650; entertainment center, solid oak, like new, \$600. John or Linda, 874-3398.
WATER BED - queen, \$175. 399-1125.

Tools, House & Garden

GARDEN TRACTOR - '86, cub cadet 123, hydrostatic runs & works well, great for pulling and plowing. 476-5991.

GLIDER LOVE SEAT - redwood, great for a porch or patio, excel. cond., \$75 obo. Ext. 2457.

GREENHOUSE - 32 x 17 w/doors and windows, \$250. Jerry, Ext. 2907.

RADIAL ARM SAW - 8", \$85; water softening & iron removal system, like new, \$400. Ron, 298-5625.

SHUTTERS & STORM WINDOWS - polypropylene shutters, 14" x 55", \$5/pair, triple track storm windows; 32" x 55", \$20/ea. Roy, Ext. 7531 or 939-3550.

WICKER SET - three-piece love seat & two chairs, white, \$50. Ext. 2457.

Sports, Hobbies & Pets

AIRPLANE - RC model, Kadet Senior w/Enya 40 eng. & Futaba radio, \$225 firm. 473-0495.

BIKE - Huff, new, 20" wheels, \$40. 924-6751.

CHILD CARRIER BACKPACK - Kelly Trek, excel. cond., carries children up to 45 lbs., cost \$140, ask. \$80. Lauren or Bill, 331-6493.
ELLIPTICAL TRAINER - Pro-form, 545e, excel. cond., electronic display, \$100. Deborah, Ext. 5664.

GYM EQUIPMENT - weight set up, Olympic weights, bench, 821-7879.

MUSICAL INSTRUMENTS - Yamaha upright p2f piano, walnut, excel. cond., \$2,300; ¾ size violin, excel., sound, \$300; fish tank, octahedral, 10 gal., \$25; bike, woman's, small, 26" Ross, 10-spd., \$50. Bruce, Ext. 4332 or 286-2114.

PIANO - winter spinet w/bench, good cond., \$500. Leonard, Ext. 4457.

Audio, Video & Computers

COMPUTER DESK - on wheels, portable, oak color, v.g. cond., \$50. Ext. 2457.

COMP DISPLAY MODEM - 15", color, Proview QuickSelect, up to 1600 x 1200, \$10; 56K USB Fax modem, Supra Max by DIAMOND, \$10. Ext. 8088.

PRINTER - for digital photos, H.P. PhotoSmart P1000, 2400 d.p.i. resolution, multi-functional, new, in unopened box, \$125. Peter, Ext. 2913.

PRINTER - H.P. Deskjet 842C, new in unopened box, \$95. Ron, 298-5625.

SONY DSC F-707 - 5.24 megapixel Digicamera, Carl Zeiss, 2560x1920, 5x opt, 128MB & 16MB memory stick, \$770. Ext. 7646.

SPEAKERS - pair, \$60. Ext. 4591.

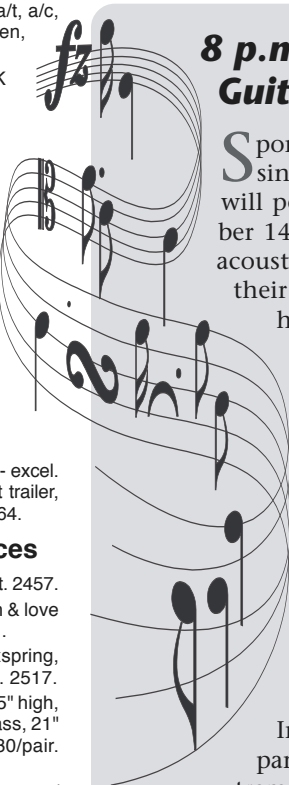
Miscellaneous

BABY EXERSAUCE - excel. cond., \$15. John, Ext. 4028.

CELL PHONE - Samsung SCH-6100, leather case, travel charger, extra battery, \$50. Ho, Ext. 7646.

CELLULAR PHONE - ATT Free2go (prepaid service) Nokia, activated, home & car charger, hands free set, like new, cost \$115, ask. \$50. Marco, Ext. 2110 or 766-6499.

8 p.m. Concert at BNL, 12/14: Guitarists Jim Dexter, Bill Meehan



Sponsored by the BNL Music Club, Long Island singer-songwriters Jim Dexter and Bill Meehan will perform at Berkner Hall on Saturday, December 14, at 8 p.m. Both local artists performing on acoustic guitars, Dexter and Meehan will present their original works. Each will perform one set of his music at this public concert.

Jim Dexter has been playing the guitar since he was eight years old, and, growing up in the 1970s, he performed in a number of rock bands. Today, his music has evolved into a mix of styles, with touches of rock, new age, jazz, folk, and Celtic music. His songs often delve into the relationship between people and nature. Dexter has worked with many recording studios. He currently performs as guitarist for Marci Geller, founder of Sonic Underground Records.

The previously published *Long Island Voice* once called Bill Meehan the "Lord God King Irish Tenor." Meehan's style does not fit into a particular category. His musical influences are extremely varied, including Bob Dylan, John Lennon, Ludwig van Beethoven, Chuck Berry, and Jim Dexter.

Meehan has been playing guitar and writing songs since he was 15. His songwriting topics include the tragic costs of racism and violence, the world's battle against cancer, and the effects of American industrialism. Meehan's songs are always about issues that personally affect him: "My songs are a diary of my life," he says.

Tickets for the concert are \$10 each if purchased in advance, or \$12 at the door. Buy tickets at the BERA Sales Office in Berkner Hall, weekdays, 9 a.m.-3 p.m. Cash or checks will be accepted. For more information about the concert, call Joe Vignola, Ext. 3846.

LOW VISION AID - CCTV video magnifier for vision impaired person, desk model, Liaddin Pro-Plus by Telesensory, \$350. Ron, Ext. 6068.

MAPLE SYRUP - from my family's farm in Vermont. Peter, Ext. 7687 or 744-1112.

PLAYPEN - foldable, excel. cond., \$10; adjustable gates to keep children safe, \$5. Peter, 765-1137 or Ext. 4094.

Lost & Found

CAR KEY - found in Bldg. 30 parking lot. Susan, Ext. 5149.

Free

BOAT TRAILER - needs work, you pick up, used for 20 foot boat. Ext. 3078.

MICROWAVE OVEN - Litton microwave, over-range style, old but works. Roy, Ext. 7531 or 929-3550.

MONITORS - three CRI 17" monitors, you pick up. Ext. 2830.

SINK - Kohler, white, 25" x 22" x 8", deep 4 hole, brand new. Steve, Ext. 4846.

Wanted

COSTUMES - dance for little girls. Penny, Ext. 2625.

HOME FOR CAT - friendly, healthy young male, fixed, and all shots given, needs loving home. He meets you when you get home, sits on your lap, purrs. Pat, 929-8165.

HOUSE - or apt., 2-3 bdrms to rent. ogang@solids.phy.bnl.gov.

HOUSE - Grenoble, France, family seeking house from April to July 2003 to rent or exchange. Sophie@grenoble.cnrs.fr.

RESEARCH VOLUNTEERS - healthy non-smoking men and women, ages 18 and over, are needed for MRI study. Strictly confidential, fee provided. 344-2773.

SINGLES - singles who work at BNL are welcome to join us at lunch on Tues., Dec. 10, 12:30 p.m., in Berkner, Room C, to meet other singles, discuss common interests. Contact: Jean, Ext. 4391, Patrick, Ext. 2370.

TODDLER CAR SEAT - Ext. 5437.

TRAINS - Lionel, American Flyer & others, cast metal toys, high cash paid, also have some sets for sale. Bruce, 924-4097.

VOLUNTEERS - to participate in MRI study, must be at least 18 years old, healthy, no medical implants, no pacemaker, participants will receive \$40. Maria Taylor, 444-3578.

BERA Toy Drive Needs Your Contribution

The 2002 Toy Drive began this week and will run through Friday, December 20. This is the 17th year that BERA has participated in the drive. Organized by Brookhaven Town, the drive helps bring happiness to young people in the local community during the holidays. Donate new, unwrapped toys for children of all ages at the BERA Sales Office in Berkner Hall, weekdays, 9 a.m.-3 p.m., or at Christine Carter's office, Bldg. 179B. For more information, call Andrea Dehler, Ext. 3347, or Christine Carter, Ext. 2873.

