

## Supercomputing 2002 Conference BNL Exhibits State-of-Art Computational Science

BNL's state-of-the-art computational science capabilities drew the attention of Secretary of Energy Spencer Abraham, DOE's Office of Science Director Raymond Orbach, and Office of Science Deputy Director James Decker when they visited the Lab's research exhibit booth at the Supercomputing 2002 Conference, held during the week of November 18 in Baltimore.



At the BNL booth, BNL's Jim Glimm (front, right) discusses the work of BNL's Center for Data Intensive Computing with U.S. Secretary of Energy Spencer Abraham (second from left).

The annual Supercomputing Conference is a showcase for the computational science achievements of DOE national laboratories, major research universities, and international research facilities. The development of these conferences since they began in the 1980s reflects the centrality of high-performance computing to so many fundamental problems facing industry and government, said conference attendee Arnie Peskin, Information Technology Division.

More than 20 participants from BNL were present, representing several Lab areas in which supercomputing is of major importance: ITD; the Center for Data Intensive Computing (CDIC); the BNL team on the U.S. ATLAS particle physics experiment being constructed for the Large Hadron

Collider at CERN, Switzerland; and the RIKEN BNL Research Center, where the theoretical and experimental physics potential of the Lab's Relativistic Heavy Ion Collider is explored.

As for the past five years, the BNL booth was designed and managed by John Spiletic and Gordon Smith of ITD. At the booth, the Energy Secretary, Office of Science Director and Deputy Director saw examples of the Lab's forefront data visualization technology, several CDIC computational science projects, an ATLAS data-analysis demonstration, and the plans of the RIKEN QCDSC and QCDOC, specialized computers for calculations in quantum chromodynamics. — Liz Seubert



Raymond Orbach (center), Director of DOE's Office of Science, is given a demonstration of data visualization by BNL's Mike McGuigan (left) and James Davenport.



Ed McFadden, BNL, shows a component of the QCDSP machine to James Decker (center), Deputy Director of DOE's Office of Science.

## Five BNL Scientists Are Granted Tenure

Brookhaven Science Associates (BSA) has granted tenure to five more Brookhaven scientists. They are: Lawrence Carr, National Synchrotron Light Source Department; Arokiasamy J. Francis, Environmental Sciences Department (ESD); George Hendrey, ESD; Alexei Tselvik, Physics Department; and Rajagopal Venugopalan, Physics.

As described in the Scientific Staff Manual, a tenure appointment constitutes "recognition of independent accomplishment of a high order in the performance of original research or of other intellectually creative activity appropriate to the purposes of the Laboratory. Recognition may be earned through significant contributions to knowledge related to the purposes of the Laboratory and/or in furtherance of the aims of the Laboratory, through continuing contributions of outstanding significance to productive uses of the facilities, or through outstanding and creative contributions to their design, development, and improvement."

Tenure appointments are granted by the BSA Board of Directors after a rigorous selection procedure overseen by the BSA Science & Technology Steering Committee.

In making tenure decisions, the BSA Board is advised by Brookhaven Council members, who are tenured scientific staff, elected by the scientific staff of their respective departments and divisions.

A description of the accomplishments of each of the five newly tenured scientists will appear in The Bulletin over successive weeks, starting this week with Lawrence Carr.

### Lawrence Carr, NSLS Department

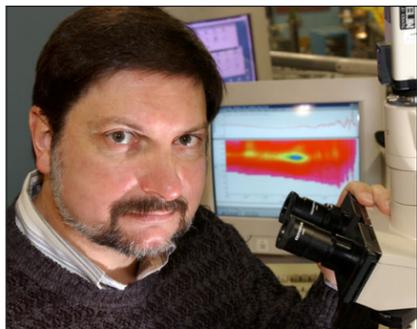
Larry Carr, a physicist in the National Synchrotron Light Source (NSLS) Department was recommended for tenure for his outstanding research accomplishments in solid-state physics based on far-infrared spectroscopy.

"Larry has either brought to the NSLS or characterized all of the new infrared experimental sources and techniques in use at BNL today," said Steve Dierker, NSLS Chair. "He has assumed the lead role in all aspects of infrared spectroscopy at the NSLS, from its production to multiple forefront mid- and far-infrared scientific programs. The NSLS infrared beam lines under Larry's control are acknowledged leaders worldwide."

In addition to his infrared beam line development work, Carr has made significant contributions to the advancement of accelerator physics at the NSLS.

In 1998, he made the first observation of coherent emission of very far infrared radiation in the vacuum ultraviolet storage ring, one of the two NSLS rings. While not the first observation worldwide, Dierker notes, it was the second, and it garnered much interest in the accelerator physics community at large.

Larry Carr earned his Ph.D. in physics from Ohio State University in Columbus in 1982. He joined BNL in 1996 as an associate physicist, becoming a physicist in 1998. — Patrice Pages



Roger Stoutenburgh D0131102

Brookhaven Science Associates recently granted tenure appointments to five BNL scientists. Larry Carr (pictured above) of the National Synchrotron Light Source Department is featured in the story at right. The other four, (pictured below, from left) Arokiasamy J. Francis, Environmental Sciences Department (ESD); George Hendrey, ESD; Alexei Tselvik, Physics Department; Rajagopal Venugopalan, Physics, will be featured in future editions of The Bulletin.



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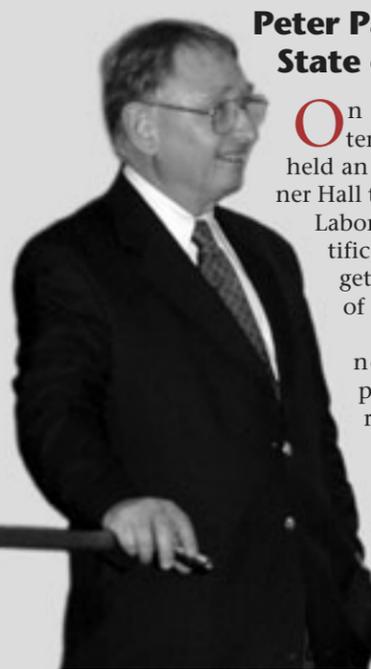
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## Peter Paul Talks About State of the Laboratory

On Monday, December 9, Interim Lab Director Peter Paul held an all-hands meeting at Berkner Hall to report on the state of the Laboratory, including the scientific, administrative, and budgetary successes and decisions of the past year.

The Director first announced that the recent physics Nobel Prize winner, retired chemist Raymond Davis, was in Stockholm to receive his medal. He also reviewed the June visit of Energy Secretary Spencer Abraham to announce DOE's approval of the construction at Brookhaven of a future Center for Functional Nanomaterials. As the Lab Director noted, the Secretary



Roger Stoutenburgh D0541202

was accompanied on this visit by the new Director of DOE's Office of Science, Raymond Orbach, who, in Paul's words, "has moved science to front and center of DOE's agenda."

Among management challenges faced during the year, Paul listed the ongoing search for Laboratory Director. He expects a new Director to be named before Christmas and on board early next year.

### Scientific Achievements, Plans

The Lab Director described many of the scientific achievements at BNL in the past year, starting with the first deliveries of components for the Spallation Neutron Source project to Oak Ridge National Laboratory and magnets to the Large Hadron Collider project at CERN, Switzerland. As BNL's work on these projects reaches completion, fewer staff will be needed, and the Director promised that every effort will be made to find jobs elsewhere in the Laboratory for displaced employees.

The Director announced that the Relativistic Heavy Ion Collider (RHIC), the "flagship" of the Lab, achieved an all-round success this past year, and that the President's budget for fiscal year (FY) 2003 provides funding for the 22 weeks of beam required for RHIC in 2003. He also outlined changes in the high-energy physics program, explaining that in future, BNL will be more involved in experiments outside the Lab.

Although DOE has been unable to continue funding the g-2 and rare-kaon decay experiments at the Alternating Gradient Synchrotron, the Director expressed his belief that the Rare Symmetry Violating Processes (RSVP) project would be funded by the National Science Foundation, beginning in FY 2004. Also, he announced that the Booster Application Facility, which simulates space radiation for National Aeronautics & Space Administration studies of potential radiation damage to DNA and brain function, was recently completed by the Collider-Accelerator Department.

Next discussed were the future plans to upgrade the National Synchrotron Light Source (NSLS), which will be completed in stages to couple with new technology such as the free electron laser (FEL) and energy-recovery LINAC. Paul congratulated the NSLS team that had recently demonstrated a very advanced concept for a deep-ultraviolet FEL.

Other major Lab initiatives that the Director mentioned included the Cyclotron Isotope Research Center (CIRC), a state-of-the-art isotope production facility for which some funding has been obtained for FY03; the Advanced Sensor Technology Initiative, which is aimed at improving national security; the advanced fuels initiative, which aims to develop cleaner fuels and more efficient combustion processes; and a new BNL/Stony Brook University supercomputer, which will provide very fast data processing at low power consumption and low cost.

After describing some of BNL's research activities in structural biology, Paul announced that BNL biologists have defined four core sectors: bioengineering; mapping and imaging; microbial communities; and computational biology to tie into major initiatives of DOE's Office of Biological & Environmental Research.

### Nonscientific Topics

Among nonscientific topics, the Director first discussed several buildings in the planning or proposal stage. He then talked about benefit changes. Rising medical and prescription drug costs caused the recent increases in the cost of the Lab employees' health benefits. "The decision to make the increases was painful," he said, "but, if we had not done

(continued on page 2)

## 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](http://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/](http://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](mailto: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](mailto: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](mailto: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](mailto: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/toastmasters/default.htm](http://www.bnl.gov/bera/activities/toastmasters/default.htm).

#### Tuesdays & Thursdays: Aerobics

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

#### 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](mailto: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](mailto: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](mailto: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](mailto: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](mailto:belford@bnl.gov) or Ext. 5053.

### — THIS WEEKEND —

#### Friday, 12/13

##### "Lucky LIP" Lunchtime Event

Noon-1 p.m., Recreation Hall, Bldg. 317. Come and converse with people of diverse language backgrounds at the Language Interchange Program's (LIP) "Lucky LIP," a casual conversation event. Practice a language with a native speaker while helping that person improve their language skill in your own native tongue. Soda and snacks will be provided, and participants are free to bring their lunch. Jennifer Lynch, Ext. 4894 or [lynch@bnl.gov](mailto:lynch@bnl.gov).

#### Saturday, 12/14

##### Jim Dexter, Bill Meehan Performance

8 p.m., Berkner Hall. Local singer-songwriters Jim Dexter and Bill Meehan will present their original works on acoustic guitars. 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.

## State of the Lab (cont'd.)

this, we would have had to fire 70 people from the Laboratory."

The Director also gave a high-level budget summary, announcing that, based on the President's budget, the Lab's expected spending will increase from \$452 million last year to \$474 million in FY03.

Another issue Paul raised was compliance with DOE orders. He described two areas in which compliance problems have recently been resolved: cybersecurity, and foreign visits and assignments.

"FY03 will be a good year," the Director concluded. "We will work full-tilt on building up the nanoscience center and creating the momentum for the next light source."

### Questions

At the end of the talk, two questions were asked: One was concerned with whether the security rules on foreign visas at BNL were the result of classified research programs pursued at the Lab. The Director answered that, soon, the new security and access rules will apply to all DOE laboratories, regardless of their performing classified work or not.

The second question involved actions that the Lab might take to offset potential escalating insurance costs for employees in the CIGNA PPO plan that could result if the recent changes to employee share of health care costs result in healthy employees moving to the health maintenance organizations (HMOs). Paul said that the new health plan was considered to be the best compromise for the present, but that adjustments might be studied when the plan's impact on BNL employees was better known.

— Patrice Pages with Liz Seubert  
For the full recording of the all hands meeting, go to [http://intra.net.bnl.gov/video/main\\_i.htm](http://intra.net.bnl.gov/video/main_i.htm).

## Tax Plan Changes

The Internal Revenue Service has increased the amount of money that may be contributed to the BSA 401(k) plan from \$11,000 to \$12,000 per year, beginning on January 1, 2003.

Also, this year's \$1,000 limit to contributions to the catch-up provision available to participants who are or will be age 50 or older during the calendar year, the limit has been increased. As of January 1, 2003, eligible participants may contribute \$2,000 to the catch-up provision.

The advantage of setting aside money in the 401(k) plan on a pre-tax basis is that you lower your federal and State tax.

To make a change to your 401(k) election, complete a BSA 401(k) agreement for salary reduction form, available on the Web at <http://www.bnl.gov/HR/Benefits/retirement.htm>. Send the completed form to Payroll, Bldg. 134J. For more information, contact Joyce Wund, Ext. 7516.

## Arrivals & Departures

### Arrivals

Andreana Leskovjan ..... Medical

### Departures

Neil Baggett ..... Physics

Pierre-Marie Paul ..... Chemistry

## Remembering Vic Emery

On October 11, the Physics Department held a symposium and reception in memory of Victor Emery, a world-renowned solid-state theorist who had joined Physics 38 years ago and who died on July 17, 2002.

George Reiter, University of Houston; Alexei Tselvik, BNL; and Doon Gibbs, BNL, chaired the three sessions of seminars held during the day of seminars and reminiscences, which was coordinated by Peter Johnson and Steven Shapiro of Physics.

Speakers included Gibbs, Bill Oosterhuis, DOE, David Lee, Cornell University, Robert Swendsen, Carnegie Mellon University; David Thouless, University of Washington; Philip Anderson, Princeton University; John Tranquada, BNL; Steve Kivelson, University of California, Los Angeles; and Robert Comes, LURE, the Synchrotron Radiation Center in Paris. The attendees included: Jim Davenport and Myron Strongin, BNL; Joe Budnick, University of Connecticut; Erica Carlson, Boston University; and many other former colleagues from BNL and elsewhere, as well as members of Emery's family, who accompanied his wife, Vivienne Emery.



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Photos by Roger Stoutenburgh

## Service Anniversaries

The following employees celebrated BNL service anniversaries during October and November 2002.

### October

#### 35 YEARS

Barbara Gaer ..... Instrumentation  
Fern Simes ..... Physics

#### 30 YEARS

Peter Palamidis ..... Plant Eng.  
Alan Stevens ..... C-A  
Walter Hughes ..... Plant Eng.  
Lowell Ross ..... Plant Eng.

#### 25 YEARS

Michael Goldman ..... Legal  
James Boomer ..... Plant Eng.  
Ronald Ondrovic ..... PPM  
Arnold Moodenbaugh ..... Mat. Sci.  
Joseph Fortunato ..... Plant Eng.  
Leonard Slatest ..... ITD  
Bruce Weatherell ..... ITD  
Barbara Ann Simpson ..... PPM

#### 20 YEARS

George Jahnes ..... NSLS  
Frank Teich ..... Magnet  
Pablo Rosas ..... C-A  
Alfred Della Penna, Jr. .... C-A  
Li Hua Yu ..... NSLS  
Carol Kempf ..... NNS  
Michael Anerella ..... Magnet  
Dennis Malloy ..... Ctrl. Shops  
Robert Lambiase ..... C-A

#### 10 YEARS

Dan Imre ..... Env. Sci.  
Gregory Herman ..... Rad. Ctrl.  
Richard Lykins ..... Rad. Ctrl.  
Nancy Manning ..... Biology  
Paul Barba ..... C-A  
Michael Santana ..... NSLS

### November

#### 40 YEARS

Jack Fajer ..... Mat. Sci.  
Donald Meany ..... C-A  
William Sampson ..... Magnet

#### 30 YEARS

Carol Creutz ..... Chemistry  
Samuel Yamin ..... High-Energy & Nuclear Physics  
Rae Greenberg ... Director's Office

#### 25 YEARS

Mark Cohen ..... Central Shops  
Thomas DeSimone ..... S&S  
Marsha Kipperman ..... HR  
Kathleen Griffin ..... Biology  
Lee Walcott ..... Chemistry  
Gerry Bunce ..... Physics

#### 20 YEARS

Frederick Maier ..... Central Shops  
Thomas Trojanowski ..... Plant Eng.  
Pamely Yerry ..... Facilities & Ops.  
Anthony Kuczewski ..... NSLS  
John Cintorino II ..... Magnet  
Frederick Wahlert .. Central Shops  
Richard Bernier ..... Plant Eng.  
Timothy Costanzo ..... C-A  
Judith Romeo ..... Biology  
Maria Pacella ..... IPIP  
Joann Durham ..... Budget

#### 10 YEARS

Robert Olsen ..... C-A  
Steven Kattell ..... Physics  
Thomas Shea ..... Physics  
Rodger Hubbard, Jr. .... NSLS  
Christine Madonia ..... C-A  
Maureen Dunn ..... Env. Sci.  
Marcia Allocco ..... Env. Svcs.

## Retirement Counseling

A TIAA-CREF representative will visit BNL on Tuesday and Wednesday, December 17 and 18, to answer employee's questions regarding the TIAA-CREF retirement plan, such as TIAA and CREF differences, allocating funds between TIAA and CREF, options, flexibilities with TIAA/CREF, and retirement options.

To arrange a 45-minute appointment, call Wanda Ezekiel Walden, (800) 842-2733, Ext. 2235 (not the on-site Ext. 2235).

## Group to Discuss 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.

## In Memoriam

Edward Smith, who had joined the Physics Department staff as a senior designer on November 21, 1977, died on April 24, 2002, at the age of 80. After transferring to the National Synchrotron Light Source in 1982 as a design engineer, he had retired on June 30, 1986.

Francis Pechar, who had retired from the Physics Department on June 30, 1983 as a technical associate I, died on May 2, 2002. He was 74. He had joined the

Lab's then Mechanical Engineering Department as an operations engineer III on January 23, 1961, transferring to Physics in 1975.

Carl Anderson, who had come to the then Department of Nuclear Energy on April 16, 1956, as a technician B and on July 25, 1989, had retired as a technical associate I after more than 30 years at the Lab, died on May 23, 2002. He was 73.

Donald Perdikoylis, who had joined what was then BNL's Plant Maintenance Division as

a refrigeration and air-conditioning engineer on September 26, 1966, died on June 6, 2002, at the age of 84. He had left the Lab on May 16, 1982.

Calvin Brewster, who had begun his 40-plus-years at BNL on October 12, 1958, as a technician B in the Department of Nuclear Energy, died on July 13, 2002, at age 69. He had retired as a senior technical associate from the Energy Sciences & Technology Department on October 31, 1998, with a guest appointment until December 1999.

**'Partners in Science'  
BNL, BOCES Team  
In Student Library  
Research Program**



For the 12th year, BNL joined with the Eastern Suffolk BOCES School Library System in the "Partners in Science" program, to encourage student scholarship in science and mathematics. On November 13, 43 students from nine Long Island high schools visited BNL's Research Library. Their goal was to learn how to write a research paper over several months, using reference materials and resources not readily available in school or public libraries.

Before coming to BNL to learn about library resources and the science-publication process, students submit research ideas to their teachers and have them approved. Michiko Tanaka, with other BNL librarians, get the students started by compiling packets of information based on the research topics, which, this year, included: cardiology, ecosystems, forensic science, genetics, memory enhancement, neuro-degenerative diseases, quark-gluon plasma, sports medicine, and tornados.

The students then spend several hours in the Research Library, exploring their topics with help from library staff. In addition, Lab scientists volunteer to lunch with the students to answer more questions and start discussions.

"These extra contacts give the students new directions and make a big difference in how much they get out of the day," said Tanaka. "The Library is very grateful to the volunteers for their interest." This year's volunteers were: Blair Bromley, William Brown, Kathryn Kolsky, Ernest Lewis, Thomas Ludlam, Michiko Miura, Beth Lin, Louis Pena, Gen Shirane, Martha Simon, and David Welch.

For several months after the orientation, the students return to the Research Library to compile data and produce a research paper. Then, at the program's end, they are each awarded a certificate. Over the past 12 years, Partners in Science has brought several hundred Long Island students to BNL to pursue their interests in science.

Says Tanaka, "The Partners in Science program provides a wonderful learning opportunity for the students. We enjoy mentoring them every year."  
— Jane Koropsak

**On-Site College Courses**

The following courses, which will satisfy requirements for most Suffolk County Community College degrees, will be offered on site for the Spring 2003 semester. A minimum of 12 students is needed for a course to be given.

Employees taking college courses may apply for tuition assistance. BNL offers tuition advances or reimbursements at a rate of 75 percent for undergraduate courses. For more information, contact Starr Munson, Ext. 7631 or munson@bnl.gov.

**CO11 – Introduction to Human Communication:** Introduces field of communication studies. Through practice and lecture, students study areas such as public speaking, discussion, semantics, dyadic communication, critical listening, and related areas. No prerequisite, 3 credit hours.

**PS30 – Portfolio Preparation:** Provides adults with a vehicle for identifying and demonstrating college-level learning achieved outside the classroom. Students provided with necessary information and techniques for choosing a degree program and preparing a portfolio that describes and documents the learning. The portfolio may then be presented to the faculty for evaluation. No prerequisite, 1 credit hour.

**What a Racquet!**



The 2001-2002 champs of the BERA Racquetball Club's three leagues are pictured above: (back, from left) Lora Kramer\*, first place in the Women's league; Paul Jones, third, B league; Ron Prwivo, second, B league; Mary Scheidet, third, Women's league; and Dave Gassner\*, first, B league; (front row, from left) Gene Van Buren, third place in the A league; Izzy Garcia, first place in the A league; Diana Votruba, second, Women's league; and Joe Scaduto, second in the A league. For more information on the BERA Racquetball Club and its league play, call Bob Marascia, club chair, Ext. 7779, or visit the club's Web page at [www.rball96.bnl.gov/](http://www.rball96.bnl.gov/).

\*These champs were added later to the photo at the team's request.

Start your holiday shopping at the BERA Store, Berkner Hall

**Basketball Begins: Captains Needed**

The 2003 BERA Basketball League will begin in January. All BNLers are welcome, so sign up on the sheet in the gym. The league needs four captains. If you are interested in being a captain, then contact Jim Desmond, Ext. 4837, or Mitch Williams, Ext. 7160.

**Literacy Volunteer Training Begins, 1/28  
VIP Program Will Reimburse Participants \$10**

In Suffolk County, one in seven adults has little or no basic reading and writing or English-speaking skills. You can help by becoming a tutor with the Literacy Volunteers of America (LVA), Inc. After an eight-session training workshop in basic literacy (reading and writing) and English for speakers of other languages (ESOL), you will be matched with one or more learners for tutoring sessions at a mutually agreeable public place, often a library. Volunteers are expected to meet with learners for at least two hours a week, with a commitment to the program of at least one year.

According to Jennifer Lynch, Brookhaven's ESOL Program Coordinator, there are currently two LVA tutors available through the ESOL program who offer their time on site, tutoring ESOL students. "Their volunteer efforts help to improve the English skills of BNL's international community," said Lynch. "We welcome new tutors to meet with students in our own ESOL classroom located in the Recreation Hall after work or whenever it is convenient."

Training sessions are offered at the Longwood Public Library for those interested in becoming an LVA tutor. The first class will be held on Tuesday, January 28, from 6-9 p.m. The registration fee is \$25, and BNL's Volunteers in Partnership Program will provide a \$10 reimbursement to those who complete the training.

To register, or for more information and a complete schedule of LVA training classes, contact Jennifer Lynch, Ext. 4894, or [lynch@bnl.gov](mailto:lynch@bnl.gov).



**A Holiday Cabaret, 12/18**



On Wednesday, December 18, at noon, in Berkner Hall, popular vocalist Yvette Malavet Blum will return to the Berkner stage with her seasonal production entitled "A Holiday Cabaret." This new show follows on Yvette's "Dreams Do Come True" which ran in Manhattan, and her St. Valentine's Day show presented at BNL last year.

For "A Holiday Cabaret" Yvette has teamed with guest star Pamela Lancaster, a trained opera singer from England who recently moved to Long Island. Piano accompanist for the show, Vessela Kirova, is enrolled in the Stony Brook Music Department's doctoral program. Two songs in the program will involve BNL employees Eva Rothman and Henry Diaz, who are accomplished folk and Spanish guitarists respectively.

Noon recitals are free and open to the public. Bring your lunch and come and go as you please. Visitors age 16 and over must bring photo ID.

**Help Victims of Domestic Violence**

Safeguards & Security Division S&SD personnel, led by Officer JoAnn Palumbo and Officer Kathy McNaught, are 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. Contributions 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, sleep wear, gloves, toys, games, cosmetics, knitting needles, yarn, restaurant coupons, linens, towels, sheet sets, and prepaid phone cards.

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

**BNL Food Drive**



Or, send a check made out to "BNL Food Drive," in care of Rita Kito, Bldg. 460, or Donna Wadman, Bldg. 129.

**Defensive Driving**

A six-hour defensive driving course will be held on Saturday, January 25, 2003, 9 a.m.-3:30 p.m., in Berkner Hall, Room B. The course is open to BNL, BSA, and DOE employees, facility users, guests, and their families. To register, send a check for \$26 per person, made out to Empire Safety Council, in care of Scott Zambelli, P.O. Box 670, Mount Sinai, NY 11766. Include your telephone number on your check. No checks will be refunded after January 23.

**Calendar**

(continued)

Sunday, 12/15

**Hospitality Christmas Potluck**

5 p.m., Rec. Bldg. All BNLers 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

**Acqiris USA Demo**

11 a.m.-2 p.m., Berkner Hall Lobby. A representative from Acqiris USA, a manufacturer of modular high-speed data acquisition instruments, will demonstrate their line of high-performance digitizers. William Accolla, (757) 833-1600.

**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.

**ESOL Family Movie Night**

7:30 p.m., Berkner Hall. The English for Speakers of Other Languages Program invites all BNLers to a family movie night. The feature will be Return of the Jedi, part of the Star Wars movie series (rated PG) starring Mark Hamill, Carrie Fisher, and Harrison Ford. Jen Lynch, Ext. 4894.

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.

**BAC Meeting**

12:30-1 p.m., Berkner Hall, Room D. Brookhaven Advocacy Council Meeting, Open Session. [www.bnl.gov/bac](http://www.bnl.gov/bac).

**BERA Bridge Club**

7 p.m., Brookhaven Ctr., South Rm. Morris Strongson, Ext. 4192, [mms@bnl.gov](mailto:mms@bnl.gov).

**Drivers at BNL:  
Beware Deer**

BNL has many deer on site, although not all are as beautiful as the deer below, photographed at the Lab by Roger Stoutenburgh. Drivers are asked to take extra care in watching out for deer. Remember, deer are usually seen in groups, so if one crosses in front of you, expect to see several more.



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](mailto:bulletin@bnl.gov). Write "Bulletin Calendar" in the subject line.

Roger Stoutenburgh 01560902

## 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](http://www.bnl.gov/HR/jobs/default.htm).

### LABORATORY RECRUITMENT - Opportunities for Laboratory employees.

NS2473. SR. BUDGET SPECIALIST (A-8) - Requires a BS or advanced degree in business administration or equivalent capabilities plus extensive pertinent professional experience. Proven written and oral communication skills; knowledge and experience with BNL PeopleSoft Budget system; knowledge and experience with DOE Budget and Accounting Standards; and knowledge of general accounting practices are necessary. Detailed knowledge and use of Excel and other software programs used as management tools; the ability to work independently and to coordinate activities and information with people internal and external to the Laboratory very desirable. Will develop budget plans for the Department; coordinate budget submission material; enter data into the Laboratory budget system; develop PeopleSoft query reports; maximize the usage of the interface capability between PeopleSoft databases and other management software products; analyze financial data and prepare executive summary reports. Physics Department.

OPEN RECRUITMENT - Opportunities for Laboratory employees and outside candidates. MK2118. POSTDOCTORAL RESEARCH ASSOCIATE - Requires a Ph.D. in physics or related field and a detailed understanding of beam physics and a familiarity with the UNIX operating system and C, C++ programming codes. Experience with accelerator operation, beam optics and impedance calculation is desirable. Research is with the Accelerator Physics Group and will involve working on improving the performance of the Relativistic Heavy Ion Collider and the development of new accelerator projects. Under the direction of D. Trojebic, Collider-Accelerator Department.

NS2297. LIBRARY ASSISTANT (A-2) (Part-time / 50%) - Requires a minimum of an Associates degree in information science, business, or related field, or several years of relevant work experience. Demonstrated interest in obtaining an advanced degree in library science is preferable. Basic knowledge of library and information science operations, standards, and procedures, and demonstrated skills in one or more library functions is necessary as is specialized library training or other related administrative experience. Will be responsible for assisting library staff in the Research Library User and Technical Services sections of the Information Services Division (ID). Information Services Division.

### Motor Vehicles & Supplies

00 DAKOTA PICKUP - 5-spd., a/c, V6, cass., 9K mi., \$11,000. Bob, Ext. 5314.  
 99 TOYOTA COROLLA CE - beige, all power, 50K mi., ABS., 4-dr., excel. cond., \$8,295. Ralph, 325-0145.  
 97 HYUNDAI ACCENT - 5-spd., a/c, p/s, p/b, 106K mi., excel. cond., 6 CD changer, sunroof, \$2,500. Phil, 821-1839.  
 95 DODGE NEON - white, a/t, a/c, p/l, alarm, excel. cond., \$3,000 neg. Anthony, 884-2868.  
 95 JEEP CHEROKEE SPORT - all power, 115K mi., kayak roof rack, good cond., \$3,500. Frank, Ext. 3963 or 928-0516.  
 95 JEEP WRANGLER - 5-spd., 104K mi., new tires, hard top, soft top, full doors, will meet Kelly Blue Book price, neg., runs well, 14/18MPG, no problems with the vehicle, fair cond. Junnu, 216-2464.  
 95 MAZDA PICKUP - extra-cab, 4-cyl., 5-spd., a/c, 115K mi., \$3,500. Dennis, 878-9592.  
 95 VOLKSWAGON GOLF - 5-spd., a/c, p/s, p/b, 87K mi., good cond., well maint., one own. Trevor, Ext. 4374.

# United Way Raises \$66,530 to Date



## BNL Is At 58 Percent of \$115K Goal

With BNL's United Way campaign coming to a close next Friday, December 20, BNL can still reach its \$115,000 goal. If you need pledge forms, contact your United Way captain (see last week's Bulletin for a list of captains). Send your pledge form to Liz Mogavero, Bldg. 510A. In addition to financial contributions, BNLers are dedicating their time and talent in many other ways to help reach the goal. A raffle held today in the Magnet Division for a restaurant meal will give funds a boost. Listed below are more efforts for BNLers to participate in:

**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.

94 DODGE CARAVAN - V6, 3.0, auto., a/c, am/fm cass., 60K orig. mi., runs very well, clean. ask. \$4,500. Li, Ext. 7604.

94 PONTIAC GRAND AM - all power, 4-dr., 139K mi., \$1,995. Donna, 447-0877.

93 DODGE SHADOW - am/fm/CD, tinted windows, 82K mi., clean, \$1,900. Linda, Ext. 6042 or 981-2086.

93 OLDSMOBILE ACHIEVA - silver, a/t, a/c, p/s, p/b, 102K mi., am/fm cass., ABS., \$1,800 neg. Ext. 2457.

93 PONTIAC GRAND AM - all power, 134K mi., \$1,995. Donna, 447-0877.

90 CHEVY SUBURBAN - all power, 143K mi., excel. cond., very clean, many new parts, \$6,500. Frank, Ext. 7788 or 821-1127.

89 NISSAN MAXIMA - 195K mi., sunroof, runs well, \$1,500. Jeff, Ext. 7580 or 948-2389.

87 MAZDA 626 - 5-spd., p/s, p/b, 149K mi., good cond., very reliable, many new parts, \$1,200. Trevor, Ext. 4374.

87 SAAB - brown, turbo, 186K mi., 5-spd., newly tuned exhaust, sun roof, heating seats, p/s radio, needs air-cond. work, \$500. Susumu, Ext. 2679.

85 CHEVY S-10 - 4x4 pickup, a/t, p/s, 85K mi., recent brakes and exhaust, new battery, am/fm, bedliner, \$1,400. Tirre, Ext. 3288 or 281-0360.

AUTO TIRE SNOW CHAINS - for off road usage, fits many size tires, \$25. Bob, Ext. 4637.

STEEL CROSS BED TOOL BOX - weather guard, sliding tray inside, with two wing-type locking doors, for stepside and mini pickups, good cond., \$100. Arlene, 878-8302.

### Boats & Marine Supplies

32' ERICKSON SLOOP - '85, 21 h.p. universal diesel eng., auto pilot, GPS, VHF radio, depth, speed, compass, shower, shorepower, \$36,900. William, 475-7620.

22' WESTERLY SAILBOAT - twin keel, fiberglass, clean, newly painted, many extras, needs some work, \$2,000. 744-3569.

### Furnishings & Appliances

ANSWERING MACHINE - Bell South Model 2006C, digital, 4 mailboxes, date/time stamp, rem. acc., pwr. backup, mint, manuals incl., \$10. Gregory, Ext. 5440.

BEDROOM - waterbed set, mattress, headboard w/indirect lighting & shelves, 1 night table & dresser w/mirror, cherry color, \$250 obo. Clayton, Ext. 2360 or 821-4153.

BUNK BED - full bottom, twin top, \$75. Nancy, Ext. 4303 or 878-5449.

CHEST FREEZER - 4.3 cu. ft., upright, used 2 years, \$75. Michael, Ext. 3255.

DESK - Oak, Campaign style, finished both sides w/4 drawers and 2 file drawers, mint cond., \$300. Patricia, 758-3952.

KITCHEN DINETTE - cream, metal, 6 chairs, \$100 obo; S/west style couch, love seat, cream; entertain. ctr. w/glass doors, 2 end tables, 1 coffee table, & 2 small mauve lamps, \$250 obo. Clayton, Ext. 2360 or 821-4153.

RUG - Fyaz rug, 6' x 8' orange, brown, gold, geometric, \$250. Bruce, Ext. 4332 or 286-2114.

### Tools, House & Garden

BOILER - Weil McLain Model 368, '90, 3 section, wet base, with coil, \$350. Chris, Ext. 5032 or 929-7225.

TOOLS - Craftsman table router w/bits, like new, \$50 obo; 10" Craftsman table saw, heavy duty grinder, \$75 obo. Clayton, Ext. 2360 or 821-4153.

### Audio, Video & Computers

CASSETTE PLAYER - RCA, video cassette player, ac/dc, used in conversion van, approx. 2 years old, paid \$140, ask. \$80. Michael, Ext. 3255.

LAPTOP SURGE PROTECTOR - by APC (PNotePro3), mobile protection from phone and power surges for 3-prong laptops (Dell/IBM), warranty & original packaging, \$5. Greg, Ext. 5440 or 821-5948.

PRINTER - Epson Stylus 880, 2880x720dpi, 12ppm (blk), 9ppm (color), USB and parallel connectivity, one extra color cartridge, 1 year warranty, \$85. Ho, Ext. 7646.

T.V. - RCA, 32", picture in picture T.V. w/5 piece Sony surround sound speakers, \$350; T.V., GE, 19", \$25; small white GE microwave, \$25. Clayton, Ext. 2360 or 821-4153.

### Sports, Hobbies & Pets

HANGING WEIGHT BAG SYSTEM - steel frame tripod system, bag included, \$150 firm, see [www.centuryfitness.com](http://www.centuryfitness.com), search for cornerman. Susan, Ext. 7264.

SKIS - women's k2, 175 cm., Salomon bindings, like new, \$125; blizzard parabolic, 185 cm, Salomon bindings, \$175. John, Ext. 4737.

TREADMILL - Sears, lifestyle, auto incline 2800, \$50. 473-2473.

TREADMILL - Proform model # 745CS, slightly used, paid \$800, ask. \$500. Michael, Ext. 3255.

TROPICAL FISH - 3 blue gouramis, 1 lg. peacock, 1 clown loach, 1 bouliavian ram, 1 congo tetra, assorted tetras, make offer. Linda, Ext. 2733 or 395-6784.

VIOLIN - 3/4 size violin, excel. sound, \$300; piano, Yamaha, upright p2f, walnut, excel. cond., \$2,300; bike, woman's, small, 26", Ross, 10-spd., \$50; fish tank hexagonal, 10 gal., \$25. Bruce, Ext. 4332 or 286-2114.

### Miscellaneous

BASSINET - w/mattress, v.g. cond., \$25. Ext. 2457.

FLUTE - Artley, \$130; violins, 2 full size, \$20/ea.; 1 half size, \$120; 1 3/4 size, \$420. Ext. 3828.

ROCKING HORSE - child's, pine, like new, orig. \$350, \$100 obo. Nancy, Ext. 4303 or 878-5449.

TICKETS - chorus and brass concert of Gabriel, Pinkham, etc. Dec. 14, Sat. 8 p.m., Infant Jesus Chapel at St. Charles Hospital, Port Jefferson, \$16/ticket. Yako, Ext. 5091.

### Yard & Garage Sale

MILLER PLACE - craft sale, all handmade items including quillocks, ornaments, jewelry & more, 69 Henearily Drive, 12/15, 12-5 p.m.

**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 tomorrow, 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.

### Hospitality Committee Potluck Dinner

The BNL Hospitality Committee invites all BNLers to a Christmas potluck dinner This Sunday, December 15, at 5 p.m. in the Recreation Building. Bring a dish to share for six people. Santa will visit at 5:30 p.m. For more information, contact Monique de la Beij, 399-7656.

### Wednesday Night Movie

The English for Speakers of Other Languages Program invites all BNLers to see *Return of the Jedi*, a movie starring Mark Hamill, Carrie Fisher, and Harrison Ford, on Wednesday, December 18, at 7:30 p.m. in Berkner Hall. The movie is rated PG (not suitable for children unless with parental guidance).

### Lost & Found

SPIDERMAN TOY - lost in the gym or Brookhaven Center on 11/22. Ext. 4369 or 1021.

### Wanted

HEALTHY MEN - ages 21-45 needed for MRI study. Participants will receive up to \$125. Maria, 444-3578.

OLD TOY TRAINS - Lionel, American Flyer, others, any condition, excel. prices paid. Marion, 281-5667.

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

SADDLE ENGLISH - inexpensive, for 12 year old girl, also cover & stand wanted. Phil, Ext. 5475.

SINGLES - who work at BNL are welcome to join us at lunch on Tues., Dec. 17, 12:30 p.m., in Berkner, Room C, to meet other singles, discuss common interests. Contact: Jean, Ext. 4391, Patrick, Ext. 2370.

SKIERS - to ski Windham, January 8, \$51 for bus & lift, send payment to Augie Hoffman, Bldg. 510A. Augie, Ext. 3884.

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

### For Rent

BROOKHAVEN - renovated farmhouse w/ porch, hardwood floors, 4 bdms. 1.5 bath, EIK, DR, LR, Den, FP, full basement, 1 car garage, OHW, HW heater, new well. \$2000/mo., Sandra, 472-0530.

BROOKHAVEN HAMLET - room in attractive house, quiet, 15 mins. from Lab, cable TV in room, use of house, W/D. \$450/mo. 286-4028.

BELLPORT VILLAGE - 3 bdrm. Cape, HW floors, basement, garage, modern kitchen, beach rights, new windows, recently painted, furnished or unfurnished. Bruce, Ext. 4332 or 286-2114.

CENTRAL ISLIP - new apartment, 1 bdrm., sep. entrance, LR, kitchenette, full bath. \$750/mo. George, Ext. 4951.

ENGLEWOOD, FL - timeshare, 2 bdrm., 2 bath, screened lanai, heated pool, 5 mins. to Gulf beaches. Available 12/15/02 to 1/15/03, \$400/wk. Donna, 941-460-1724.

ST. CROIX, VIRGIN ISLANDS - timeshare, Divi Carina Bay, 1 bdrm., sleeps 4, overlooks ocean, casino, private pool. Available May 10-17, 2003. \$700/wk. Bill, 732-9102.

### For Sale

SHOREHAM - 4 bdrm. Colonial, 2.5 baths, den with FP, LR, DR, study, oak floors, IGP, .58 acre on cul-de-sac. Gerard, 744-8894.

### Happenings

BNL TOASTMASTERS CLUB HOLIDAY MEETING - 12/17, Recreational Building, 6 p.m., pot luck gathering. Beth, Ext. 3372 or Nancy, Ext. 5744.

EVENING OF CHRISTMAS MUSIC - Kenneth Gartner Singers & pianist Sam Carr of BNL's Physics Department. Sat., 12/14, Lutheran Church of the Messiah, 42-15 165 St., Flushing, NY, (off Northern Blvd.). Program: Handel's *Messiah* (Christmas music), Waring's *The night before Christmas*, works by Bruckner, William Dawson, Adolphe Adam, more. Tickets: \$15, students, \$10; for adv. tickets or information, Manny Perez, (718) 726-3472.

### No Bulletin 12/27, 1/3

Due to Lab holidays, there will be no Bulletin printed on Friday, December 27, 2002, and Friday, January 3, 2003.

**Here Comes Santa Claus!**

For the 20th consecutive year, Santa Claus (who, this year, doubles as Firefighter Al Licata when he is not out on his sleigh delivering presents) and his Elf (Firefighter Frank Palmeri Jr.) will be coming to Upton town — to wish everyone happy holidays and to distribute candy canes along with good cheer, complements of the Fire/Rescue Group of the Emergency Services Division.

On Tuesday, December 24, using Fire Engine #1 as their sleigh, Santa and his elf will make their rounds of BNL's offices, labs, and shops from 9 a.m. to noon. To make your reservation to have Santa and his merry crew visit your workplace at a specified time, call the North Pole, Ext. 2351.

Michael Herbert CN1-11-00