

Vol. 57 - No. 27

August 8, 2003

# **Computing for Biology Workshop Draws Overflow of Participants**

Computing for Biology A workshop, co-organized by the IBM Computational Biology Center and BNL, was held on site last week, July 31-August 1. BNL and IBM are both building hot-topic supercomputers. QCDOC - for quantum chromodynamics (QCD) on a chip — was designed by Columbia University and RIKEN BNL Research Center scientists for QCD research, and BlueGene/L, designed by IBM for applications in the life sciences, is planned to be installed at Lawrence Livermore National Laboratory (LLNL).

More than 150 scientists from the northeast and worldwide registered for the workshop, originally expected to draw 100 participants. The workshop goal was to promote research that uses computational techniques to simulate and predict behavior of various biological processes that can then be verified and stimulate new experiments far more quickly and less expensively than is now possible.

In greeting participants, Peter Bond, BNL's Interim Director of the Information Technology Division and a workshop co-organizer who chaired the first session, explained, "In addition to learning about the interesting calculations going on now, we hope to hear about problems that you want to compute but that cannot be computed at present — and why."

BNL Director Praveen Chaudhari then described the Lab and some of its science facilities. He noted that the National Synchrotron Light Source (NSLS) — the world's most used facility — provides one-third of its beam space

dition to learning about the interesting calculations going on rily from the northeast.

> Chaudhari highlighted BNL's exceptional computational science capability, which has been motivated by computer-intense high energy and nuclear physics experiments. QCDOC, the latest special-purpose machine being built at BNL, is a \$5-million, 10-teraflop (10 million million floating point operations per second) supercomputer.

The computer's first chip, built by IBM, was delivered six weeks ago, and "It works," Chaudhari said. Already, the British government has ordered the second QCDOC. BNL hopes, Chaudhari said, to acquire a 20teraflop version for the U.S. QCDOC community.

"Is there a need for computing power in biology?" queried Chaudhari. "What kind is needed and is such power avail-

Computing for Biology Workshop organizers, session chairs, and speakers included: (front, from left) Klaus Gawrisch, National Institutes of Health; Gustavo Stolovitzsky, IBM; Jed Pitera, IBM; Terry Sejnowski, Salk Institute; Aristides Patrinos, USDOE; Ajay Royyuru, IBM; Bill Pulleyblank, IBM; Richard Pastor, U.S. Food & Drug Administration; (back, from left) Alex MacKerell, University of Maryland; Mike Pitman, IBM; Richard Friesner, Columbia University; Praveen Chaudhari, BNL; Bruce Berne, Columbia; Chris Sander, Memorial Sloan Kettering Cancer Center; Ravi Iyengar, Mount Sinai School of Medicine; Emad Tajkhorshid, University of Illinois; Peter Bond, BNL; Arnie Peskin, BNL; Bob Germain, IBM; Carl Anderson, BNL; and Jim Davenport, BNL.



able today? Does it make sense to have a large computational biology facility, and if so, should it be located at BNL, surrounded by richly intellectual universities and a very large number of pharmaceutical companies?

"We think it makes sense for the Office of Science [to support such a facility at BNL]" he concluded.

Aristides Patrinos, DOE's Associate Director for the Department of Biological & Environmental Research, spoke next. Patrinos had overseen DOE's massive and successful Human Genome Project, the complete sequencing of the human genome, which was officially completed and celebrated on April 14 of this year.

"The Office of Science is extremely proud of its legacy science user facilities, DOE's unique resources for the international community," said Patrinos. He had been a member of BNL's Department of Applied Science [1980-88], when the NSLS first came on line, and has watched its "incredible growth," he said, noting that, as in the other three of DOE's light sources, this growth has been especially marked in the life sci-(continued on page 2) ences.

# Meet Shirley Kendall, BNL's Diversity Manager

Shirley Kendall, former Diversity Coordinator for the City of Rochester, NY, has been named



Division, investigates sexual harassment complaints of employees.

"I joined BNL for many reasons, not the least of which is my appreciation for the process of discovery," said Kendall. "My goal is to work closely with worldclass scientists, top-notch managers and dedicated em-

# **IBEW Contract Ratified**

On July 31, 2003, the membership of Local 2230 of the IBEW (International Brotherhood of Electrical Workers) ratified a three-year contract with Brookhaven Science Associates, which manages Brookhaven Lab for DOE. The new contract will be in effect from August 1, 2003, to July 31, 2006. About 14 percent, or 422, of BNL's 2,893 employees are represented by Local 2230, which covers employees who range from custodians, grounds workers, and clerks, to the traditional trades such as electricians, carpenters, and machinists.

BNL's Diversity Manager, effective July 7.

In her new position, Kendall is responsible for implementing BNL's affirmative action program to assure representation of women and minorities in the workforce

to the extent that they are available in relevant labor markets. The Lab also undertakes affirmative action for disabled individuals, Vietnam veterans, and disabled veterans. As a federally funded institution, BNL is governed by federal regulations such as affirmative action compliance and equal employment opportunity laws.

Shirley Kendall

Kendall also serves as Coordi-

nator of the Women's Program Advisory Committee, which is made up of a diverse group of women employees who make recommendations to her on issues that are important and of concern to women. In addition, Kendall provides sexual harassment prevention training for managers and staff, and, in conjunction with the Human Resource & Occupational Medicine

ployees to assist Brookhaven in becoming a frontrunner in talent diversity among DOE national laboratories.

"Experience has taught me that an organization's senior leadership team holds the key to its success in the area of diversity," Kendall continued. "As a member of the management team, I look forward to achieving success (continued on page 2) Here are the major points of the new contract, in a Q&A format:

*Q: What percent salary increase will the union workers get?* 

A: BNL employees represented by IBEW Local 2230 will receive salary increases of 4 percent each year for the next three years, effective August 1, 2003.

*Q: Are there changes to the IBEW workers' medical contributions?* 

A: Yes. Effective January 1, 2004, IBEW workers will contribute a percentage of their base wages to help pay for medical coverage. The percentage will vary depending on how many persons are covered by medical insurance, as follows: for employee coverage only — 3 percent, for employee plus one person — 3.5 percent, for employee plus two or more persons — 4 percent.

*Q: Will IBEW workers see changes to their medical benefits?* A: There will be no change in the medical benefits for union members.

## The Bulletin

# 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. Hall) is located in the apartment a
- 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.

#### 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. Christine Carter, Ext. 2873.

#### 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 Cen-ter, except Lab holidays. Jean Logan, jlogan@bnl.gov or Ext. 4391.

#### **Tuesdays: Welcome Coffee**

10-11:30 a.m. Rec. Hall. 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: Singles Club** 

5:15 p.m., Brookhaven Center. Contact: Jean, Ext. 4391.

# 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. Hall. Pat Flood, Ext 7886.

#### Tuesdays & Thursdays: Aqua Aerobics 5:15-6:15 p.m. Christine Carter, Ext 2873.

Wednesdays: On-Site Play Group 10 a.m.-noon. Rec. Hall. An infant/toddler drop-in event. Parents meet while children play. Svetlana Agafonova, 205-5065

# Wednesdays: Farmer's Market

11:30 a.m.-1:30 p.m., Berkner Hall parking lot Wednesdays: Weight Watchers Noon-1 p.m. Michael Thorn, Ext. 8612.

# Wednesdays: Yoga Practice Noon-1 p.m., Brookhaven Center. 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. Hall. \$4 per class or \$35 for 10 classes. Stretching, low-impact aerobics, and other exercises. Pat Flood, Ext 7886. Fridays: Family Swim Night

-8 p.m. at the BNL Pool. \$5 per family. Fridays: BNL Social & Cultural Club 6-9 p.m, North Ballroom, Brookhaven Ctr., dance lessons, 9-11:30 p.m. general dancing. Rudy Alforque, Ext. 4733, rudy@bnl.gov Fridays: Jiu Jitsu Club

6-7 p.m. in the gym. All levels, ages 6 and above. \$10 per class. Tom, Ext. 4556.

# <u>— THIS WEEKEND —</u>

Friday, 8/8

#### **GLOBE Meeting**

# Shirley Kendall, BNL's Diversity Manager (cont'd.)

throughout the Laboratory. Furthermore, employees are the foundation of high retention ratios. My challenge is to identify and partner with managers and employees dedicated

to ensuring the Lab's success in science, safety

and diversity." Kendall added that she

will be an advocate for BNL employees, and she hopes to build on the existing foundation of cul-

tural sensitiv-

ity and respect for individual differences among the Laboratory staff. Further, she wishes to "integrate diversity at every level of the Laboratory," and, to do so, she will foster a team approach to diversity that includes managers at all levels, as well as employees. She indicated that every BNL employee could help to identify and recruit future talented, diverse personnel.

"The people of the world are diverse," Kendall said. "The

The following employees cel-

ebrated BNL service anniversaries

during the month of June 2003.

35 Years Antoinette Fridae ..... Budget

**30 Years** 

Elinor Adams ..... Internal Audit

Richard Froelich ..... Plant Eng.

Joyce Moore ..... Rad. Ctrl.

25 Years

Edmond Desmond ..... Physics

Frank Flegar ..... Central Shops

Gary Connell ..... Plant Eng.

Bruce Laakmann ...... Plant Eng.

John Heiser ..... Env. Scvs.

Ralph Brown ..... Physics

Vanette De Jesus ..... PPM

Paul Blacher ..... Plant Eng.

David Kipp ..... C-A

Edward Sperry IV ..... Magnet

Louis Gerlach ..... ES&T

Edward Baker ..... Physics

Jo Ann Reed ..... PPM

Susan Kennell ..... C-A

Sharon Jones ...... Dep. Dir. for Ops.

20 Years

Diane Hatton ..... NSLS

**10 Years** 

Joseph Mead ...... Instrumentation

Michael Loftus ..... Magnet

Dejun Xue .....BSD

Laboratory, with its 2,900 employees, is a small slice of the world, and we need to maintain diversity within it."

Kendall earned a B.S. in education and mathematics in

1976, and an M.S. in counseling in 1984, both from Oneonta College. In 1982, she became Director of Affirmative Action at Oneonta College and held the position until 1985, when she joined the State

University of New York, Albany, as Associate Director of Affirmative Action. In 1987, she moved on to become Director of Diversity Planning and Compliance for Independent Media Sales & Services in Coordinator for the City of Rochester, a position she held until she joined BNL.

# Lunchtime Recital, 8/13

# BNL Music Club sponsors acoustic folk musician Bill Meehan

Celebrate the BNL Music Club's second anniversary by attending a concert of contemporary acoustic folk music when singer/songwriter Bill Meehan performs at noon on Wednesday, August 13, in Berkner Hall.

This is Meehan's second appearance in Berkner. His songs touch on topics from American industrialism to the timeless struggle between man and nature, from guardian angels to racism, with a combination of melodic prowess and rhythmic intensity.

The event is free and open to the public. Visitors 16 and over must carry photo ID.

# Roll Up Your Sleeve: Blood Drive, 9/10

To replenish Long Island's blood supply, BNL is holding a blood drive on Wednesday, September 10, 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 and weigh at least 110 pounds. Donors should have photo identification and know their social

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

# Service Awards

(cont'd.)

"The Human Genome Project was DOE's first large biologi-

DOE had been questioned on its interest in biology, Patrinos said, but the new DOE "Genomes to Life" project focuses on applications that are very relevant to its mission. These applications are: bioremediation, to clean up the legacy of the Cold War; clean energy production, to find, for example, innovative ways to create hydrogen; and carbon sequestration, to mitigate cli-

"Computation and simulation are central to this program," he said.

After describing the vital importance of bioinformatics and biomolecular simulations and of developing the software to make them possible, "We are totally convinced that this type of research will require paradigm shifts in how biological research is organized, proposed, funded, and implemented," Patrinos said. DOE also is most interested in multidisciplinary and multiinstitutional programs that closely combine computational and biological science. In conclusion, "I wish you well in this workshop," said Patrinos. "We are committed not just to promote and fund cutting-edge research but also to provide science user facilities in the long tradition of the DOE Office of Science." BlueGene/L, the massively parallel computer described by the following speaker, IBM's Bill Pulleyblank, is designed to be applied to the study of biomolecular phenomena. In December 1999, IBM had announced the start of a fiveyear, \$100 million effort to build an immense supercomputer on the petaflop (1,000 teraflops) scale to attack problems such as protein folding.

"The Blue Gene project will advance two goals," said Pulleyblank. "One is biomolecular simulation, the other, computer design and software for extremely large-scale systems."

In November 2001, IBM entered into a research partnership with LLNL. Progress on the project, which is expected to enable simulations that are many times larger than current technology permits, is on track, Pulleyblank said.

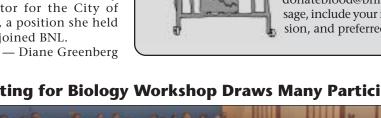
Massively parallel computing at BNL, the next topic, was addressed by Jim Davenport, Associate Director of the Center for Data Intensive Computing at BNL. He described QCDOC, explaining how this machine, as well as BlueGene/L, will be able to "speed up leads to interesting biology." QCDOC has many built-in advantages, such as low power consumption that promises high reliability. "QCDOC's very similar predecessor has approximately 99 percent uptime," said Davenport. Other pluses include a four megabyte on-chip memory, which overcomes bandwidth to memory limitations, and a six-dimension network that overcomes limits to inter-process communication. "In summary, this is a tremendous opportunity for computational biology," said Davenport. "A 10-teraflop machine is expected at BNL this year, a machine with 100 teraflops is in the pipeline, and petaflops are down the road." Over the remaining day and a half, scientific talks followed with three focus themes: biomolecular dynamics simulations, data mining for high throughput biology, and simulation of biological processes. Featured speakers included prominent biologists and computational scientists from several northeastern universities and IBM. On July 31, Bruce Berne of Columbia chaired a session on "Protein folding and force fields," and Chris Sander of the Memorial Sloan Kettering Cancer Center chaired the "Computational systems biology" session. On August 1, Gustavo Stolovitzky, IBM, chaired "Data mining for high throughput biology," and Mike Pitman, IBM, chaired the final session, on "Large-scale biological simulation."

A wrap-up summary by Ajay Royyuru of IBM included the identification of three broad classes of computing in biology: one in which supercomputing is not yet useful, one hallmarked by the diversity of computing needs and the ability to integrate them; and one particularly for large-scale simulation, requiring aggressive, high-performance supercomputing. After congratulating all BNL and IBM personnel responsible for organizing the workshop, Royyuru concluded, "This has been a fruitful collaboration. BNL has played a valuable role in bringing together so many interested and active researchers from the northeast and beyond, and we have reestablished the connections of IBM with BNL colleagues." — Liz Seubert



Shirley Kendall

New York City, where she designed management awareness programs for corporate clients. In 1997, she became Diversity





**Computing for Biology Workshop Draws Many Participants** 

cal enterprise whose goal was to provide a database to trigger many hypotheses," said Patrinos. Yet the challenges remain huge in the predictive sense, he said. "As much as we grow our knowledge, so the knowledge of our ignorance grows."

mate change.

The Gay, Lesbian, and Bisexual Employee Club at BNL will hold its monthly meeting at 7 p.m. For the meeting's 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

#### BERA Trip to N.Y. Yankees

4 p.m., Brookhaven Center. \$55.

# Sunday, 8/10

## \*Summer Sunday Tour

10 a.m.-3 p.m. Tour features BNL's superconducting magnet production facility. For more information, see the notice on page 3 or visit www.bnl.gov/ bnlweb/pubaf/summer\_sundays.htm.

# — WEEK OF 8/11 Tuesday, 8/12

### St. Joseph's College Demo

11 a.m.-2 p.m., Berkner Hall. Represen-tatives from St. Joseph's College will present BNLers with information about the college and the various education options that St. Joseph's has to offer. For more information, contact Lucille Curley, 447-3252.

Daniel Farge	Plant Eng.
Jason Farrell	Physics
Daniel Galligan	Plant Eng.
Omar Gould	C-A

# **Arrivals & Departures**

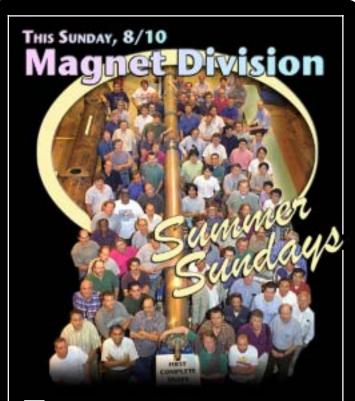
# Arrivals

Anat Biegon ..... Medical Tao Huang ..... Mat. Sci.

#### **Departures**

..... ISD Doris Alkes ..... John Bennett ..... ITD Audrey Blake ..... Magnet Division Brendan Brelsford ..... C-A Michael Falletta .... Magnet Division Carmine Guarino .. Magnet Division Robert Hoade ..... Magnet Division Charles Holomshek ...... C-A Richard Pietrzak ..... Env. Svcs. Russell Reaver ..... S&SD Helga Schenk ..... Biology Daniel Schiappa ... Magnet Division Stephen Valentino ..... C-A Hal Van Deroef ... Magnet Division Robert Wong ...... Magnet Division

Note: For more information on BlueGene/L, see the August 2003 issue of Physics World, also available on BNL's intranet site at http:/ /intranet.bnl.gov/geneChallenge .pdf, where BNL's historian, Robert Crease, BNL and Stony Brook University, has focused on this supercomputer in his monthly column.



his Sunday, August 10, visitors to BNL will learn how scientists design and build huge, super-cold, superconducting magnets, like the one pictured above, that guide subatomic particles traveling at nearly the speed of light. At the Lab's Superconducting Magnet Division, visitors will see high-tech magnets, which, ranging in size from one foot to 40 feet long, are among the most accurate and powerful tools made for accelerators around the world.

Every Sunday, in addition to the featured tour, visitors will see:

- "Brain Matters," a hands-on exhibit on the brain "Whiz Bang Science Show," at 10:30 a.m., noon, 1:30 p.m., and 3 p.m. Children and adults can learn scientific principles by watching lively, in-teractive demonstrations at this fun show
- Poster on the 2002 Nobel Prize in Physics won by BNL scientist Ray Davis Camp Upton Historical Collection: memorabilia
- from World Wars I & II.

Tour hours are between 10 a.m. and 3 p.m. Admission is free and no reservations are needed. To be admitted on site, all visitors age 16 and over must bring a photo ID.

# Bus Trip to the Cradle of Aviation, 8/23

All are invited on a bus trip to the Cradle of Aviation Museum and IMAX movie theater in Garden City on Saturday, August 23. The bus departs the Recreation Hall at 1 p.m. and returns to BNL by 6 p.m. Tickets, at \$20 for adults, \$15 for children ages 2 to 14, include bus transportation, admission into the aviation museum, a virtual reality ride, and an IMAX big-screen movie. To purchase tickets or for more information, contact Jennifer Lynch, Ext 4894, or lynch@bnl.gov. For more information about the Cradle of Aviation/IMAX movie theater, go to www.cradleofaviation.org.

# **Classified Advertisements**

83 DODGE CREW CAB - 1-ton truck, lift gate, working cond., \$1,500; bed liner, fits '00 Chevy 8-foot bed. \$75. John, 289-8253.

GO CART - Manco Elite w/ new 5.5 h.p. Briggs & Stratton Inter w/torque converter eng., low hrs., disk brakes. \$700 neg. Travis, 289-9533.

TRAILER HITCH - for '01 and older Chevy/ GMC, like new. \$120. Lou, Ext. 4312.

AUDIO STAND - silver, never used, paid \$200 ask. \$175; full-size mattress and boxspring. \$250. Mary, Ext. 2950.

CAPTAINS BED - light pine w/three drawers and mattress. \$50. Tirre, Ext. 3288.

CRIB - washed oak w/mattress, changing table, 4-drawer dresser, 31/2 yrs. old, ex cel. cond. \$150. Barbara, Ext. 5165. DINING ROOM SET - formal, 8 chairs

# Auction of 35 Vehicles

The Government Services Administration will offer 35 motor vehicles, located at warehouse T-87, for public auction. The auction is scheduled to begin during the week of August 17 and will last for approximately seven days, during which time anyone may bid on the vehicles. Pictures of each vehicle with all pertinent information will be posted at www.gsaauctions.gov. To inspect the vehicles, contact Jerry Quigley, Ext. 4527.

# **School-Supply Drive**

During August, BERA is sponsoring a school-supply drive to help local children by collecting and donating pens, pencils, binders, calculators, backpacks, crayons, notebooks, markers, glue and other supplies to Brookhaven Town's Interface program to be distributed to 18 local agencies.

BNLers can drop off their donations at the BERA Sales office, Berkner Hall; the Quality of Live Office, Bldg. 179; and to any United Way captain's office. For more information, or to have your items picked up, call Ext. 5090.

# **BERA September Trips**

• Sunday, 9/14. Lincoln Center Craft Show, New York City (NYC). Depart BNL: 10 a.m., depart NYC: 5 p.m. \$10.

• Saturday, 9/27, Storm King (SK) Art Center & Sculpture Park, Hudson River. Depart BNL: 10 a.m., depart SK: 4 p.m. \$12.

Get tickets and information at the BERA Store, Berkner Hall.

# Start on Retirement Workshop, 9/4

Fidelity Investment representatives will hold a "Getting Started on Your Retirement" workshop from noon to 1 p.m. on Thursday, September 4, in Berkner Hall.

All are welcome to attend the workshop, which is part of the Human Resources & Occupational Medicine Clinic Division's "Money Talks" series. Participants will be helped to discover how they may create a retirement suited to their needs. Topics will include:

- How much money might be needed in retirement
- Why it is important to start saving today
- How even small amounts can add up to a more secure retirement.

Register for the workshop by completing the form sent to all employees and returning it to Joyce Wund, Bldg. 185, by August 22.

# Sports, Hobbies & Pets

BIKE - Huffy Boy's, new, 20" wheels. \$30. Richard, 924-6751.

RV COOKTOP - three-burner stove, good cond., for RV, motor home, trailer, or popup. Asking \$75. Tim, 208-0408.

WEIGHT BENCH - like new, w/lat. pull-down & attachments. \$40 obo. Nancy, Ext. 4303. WETSLIIT - spring suit men's med Ripcur

# Ferry Cruise, 8/13



On Wednesday, August 13, the Hospitality Committee invites the Lab com-

munity - facility users, employees, guests, and their families — to join a sunset cruise on Long Island Sound, with live Reggae music by King Wellington. The ferry boards from 5:45 p.m. at the Port Jefferson dock, leaving at 6 p.m. and returning by 9 p.m. Buy BNL group fare tickets on board: adults, \$11; children 6-12, \$7. For more information, call Erin Rogers, Ext. 8481.

### **Retirement Counseling**

A TIAA-CREF representative will visit BNL on Friday, August 15, to answer employees' 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. For a 45-minute appointment, call Valerie James, (800) 842-2733, Ext. 7980.

# Lyme Update, 8/21

All are invited to attend an update on Lyme disease, which will be presented by David Grahm, Director of Public Health of the Suffolk County Department of Health, on Thursday, August 21, at noon in Berkner Hall. Registration is required by today, Friday, August 8. Complete and return the form sent to all employees to Linda DiPierro, Bldg. 490, or contact DiPierro at Ext. 2733.

# Calendar

(continued) Wednesday, 8/13

### \*Port Jefferson Ferry Cruise

6-9 p.m., Hospitality Committee cruise on the Port Jeff ferry, enjoy live Reggae music. Park free at the ferry with Brookhaven Town car sticker, or in public lot west of Main St. (Route 112). Bring a sweater and a picnic or buy snacks on board. Buy tickets on board with BNL rate, \$11/adult, \$7/children 6-12. Erin Rogers, Ext. 8481

### Thursday, 8/14

**Exphil Calibration Labs Demo** 10 a.m.-2 p.m., Berkner Hall. Represen-tatives from Exphil Calibration Labs will present BNLers with special rates on their products and services. For more information, contact Gary Kruger, 563-3520.

# **Community Advisory Council Meeting**

6:30 p.m., Berkner Hall, Room B. Open to the public. For more information, see http://www.bnl.gov/community/ CAC.htm.

# Saturday, 8/16

#### **Ellis Island Bus Trip**

\$39 per adult, \$36 per child, (over age 5,) includes bus, ferry, and tour. Bus leaves BNL at 8:30 a.m. from the Brookhaven Center and returns at 4:30 p.m. Pay at the BERA Sales Office.

# Sunday, 8/17

#### Summer Sunday Tour

10 a.m.-3 p.m. Tour features BNL's Relativistic Heavy Ion Collider. For more information, go to www.bnl.gov/ bnlweb/pubaf/summer\_sundays.htm.

# - WEEK OF 8/18 —

# Thursday, 8/21

\*Healthline Lecture: Lyme Disease Noon, Berkner Hall. David Grahm, Suffolk County Department of Health, will talk on Lyme Disease. Register today, Friday, August 8, with Linda DiPierro, Bldg. 490, Ext. 2733. See notice at left. BERA Bridge Club

7 p.m., Brookhaven Center. Morris Strongson, Ext. 4192, mms@bnl.gov.

# Saturday, 8/23

#### \*Bus Trip to the Cradle of Aviation

Bus departs the Rec. Hall at 1 p.m. and returns to BNL by 6 p.m. \$20/adults, \$15 /children 2-14. See notice on page 3 at left. Jen Lynch, Ext 4894, or lynch@bnl. gov.

### Sunday, 8/24

### Summer Sunday Tour

10 a.m.-3 p.m. Tour features BNL's Emergency Services and Plant Engineering Divisions. For more information, go to www.bnl.gov/bnlweb/ pubaf/summer\_sundays.htm.

# - WEEK OF 9/1

# Tuesday, 9/2

U.S. Open Tennis Trip

\$62 per person. For more information, contact Rita Kito, Ext. 3320.

# Thursday, 9/4

### \*Retirement Workshop

Noon, Berkner Hall. "Getting Started on Your Retirement," presented by Fidelity Investments. See notice at left. Contact Joyce Wund, Ext. 7516.

#### **Boats & Marine Supplies**

33' NAUTALINE HOUSEBOAT - '70 w/ stove, oven, hot shower, PortaPotti, refrig. sleeps 8, needs to be repowered. \$1,500. Tirre, Ext. 3288 or 281-0360.

22' BARNEGAT CRUISERS - '78 camper back w/Mercruiser I/O, ex-loader, tandem trailer w/power winch, in water. \$3,000. Peter, Ext. 4028 or 878-6505.

16' HOBIE - trailer harness w/jib, extras. Make offer. Bob, Ext. 7779.

16' WISCONSIN TRI-HULL - '67 w/40 h.p. Evinrude eng., new helm steering, new seats, two tanks. Ask \$1,000. Dan, 698-7322.

BIMINI ENCLOSURE - full, for 22' walk around. new. \$750. Ed. 472-2750.

BOAT WINCH - 12-volt. batt. pwr. nearnew, used to haul 16' boat. \$150. Richard, 924-6751.

SUNFISH - needs minor fiberglass work. \$400. Anne, 751-1126.

#### Furnishings & Appliances

AIR BED - w/2 air pillows, built-in pump, used once, has box. \$20. Denis, Ext. 5879.

AIR CONDITIONERS - 2, room-sized units, \$50 ea.; toddler bed, lt. oak w/matt., Winniethe-Pooh bedding. \$40; couch/sleeper, plaid, excel. \$50 Chris, Ext. 7365 or 472-3488.

AIR CONDITIONER - Whirlpool, windowsized, 6K Btu. \$100; wrought-iron day bed w/matt. \$100. Mary, Ext. 6344 or 929-3388. china cabinet, server, wood w/glass inlays, 2 extensions. Orig. \$7,000, ask. \$1,500. Brenda, Ext. 4524.

DRESSER - contemporary, five drawer, 36"W x 48"H x 18"D, excel. cond. \$90. Les, Ext. 2920.

LOVESEAT - Rattan, w/matching coffee table. \$75 obo.; antique tables, brass/ glass, set \$50. Nancy, Ext. 4303.

ROCKING CHAIR - Ig. wooden, white, traditional front-porch style w/ rattan back and seat. Needs new seat. Good as is for vignette, \$20, Karen, Ext, 4262

SINK - 15" x 21" cast iron, cream w/Delta high-neck faucet and sprayer. \$30. Rich, Ext. 7013 or 698-5294.

WATERBED - king size, deluxe headboard w/glass etched doors, dark walnut stain. 11/2 yrs. old w/Waveless mattress and heater, excel. cond. \$375. Andy, Ext. 7666.

#### Tools, House & Garden

BBQ - gas, new burner head & rocks last year, full tank (old style) 400 sq. in. w/side burner. \$35. Tirre, Ext. 3288 or 281-0360.

LAWN MOWER - Murry 3.5 h.p. self-prop., runs well. \$120 obo. Travis, 289-9533.

LAWN VACUUM - Sears Craftsman, 5 h.p., hardly used. \$100. Rick, Ext 6183.

LEAF VACUUM - Billy Goat, good cond., just in time for fall leaf clean-up. Best offer over \$250. Tim, 208-0408.

great for bogey boarding. George, 472-1479.

### Audio, Video & Computers

APPLE CLONE - w/G3 upgrade, 20gb + 40gb, CDR/CDRW recorder, Zip drive, color printer, monitor, keyboard, mouse. \$200. Ken Ext. 4514.

COMPUTER - IBM Pentium I, floppy, CD-ROM, modem, Windows 98, 14" mon. \$100; TV, 19" Magnavox, under 1 yr. old, remote. \$100. Jag, Ext. 5080 or 751-1884. PHONE/ANSWERING MACHINE - \$8. Morris, Ext. 4192

#### Miscellaneous

PIÑATAS - unique, all occasions, all characters, cartoon, Disney, Sesame Street, etc. Donna, 821-0359.

STROLLER - Prego, navy/plaid w/carriage cover, very good cond, \$60, Chris, Ext. 7365 or 472-3488.

TICKETS - 2 for Phantom at the Gateway Playhouse in Bellport, 9/17, 8 p.m. Row E. center. \$27.50 ea. Patricia, 744-8512.

#### Free

BOAT - 14' fiberglass, good cond., needs seats, you pick up. Kevin, 878-4285.

CAT/KITTEN - Please help. I'm cute, lovable, and I need a home. My owners have to bring me to the pound this week if I don't find a place to stay. Paul, 289-9152. ELECTRIC KNIFE - Morris, Ext. 4192.

BOBCAT - to rent. Small, on tracks w/forks. Jim. Ext. 5537.

SWING SET - wood w/ slide, two swings,

MOVING SALE - everything must go! 32

Vista Place, Mastic Beach. 8/9 and 8/10.

rings. You remove. Chris, Ext. 2326.

Yard & Garage Sales

Steve, 399-2346.

Wanted

(cont'd.)

COAL BIN - any size 1-3 tons. I'll pick up. Cyrus, Ext. 4095.

MINI BIKE - in good working cond., 3.5-5 h.p. eng. preferred. Nick, 928-7042.

POOL ACCESSORIES - winter cover and pool vac. set-up wanted for 18' round above-ground pool. Bob, Ext. 7238.

**RESEARCH VOLUNTEERS - men and** women who smoke cigarettes, ages 18 and over, are needed for MRI study. Strictly confidential. fee provided. 344-2773.

#### In Appreciation

On behalf of the D'Amore family, I thank all my friends and coworkers at BNL for their overwhelming compassion and care following the sudden loss of my brother Anthony. We are truly blessed and fortunate to have experienced such a tremendous outpouring of support. The expressions of love, sympathy, and affection have touched our souls, and will remain in our hearts forever. These gifts will often be reflected upon for strength as we move forward. Words cannot express our appreciation. — Donna Occhiogrosso

Service Ads. For a list of services offered by BNLers, from attorney to house cleaner to tutor, and much more, go to the web (address, page 4), or call Ext. 2345.

# - WEEK OF 9/8

# Tuesday, 9/9

#### **Smoking Cessation Program**

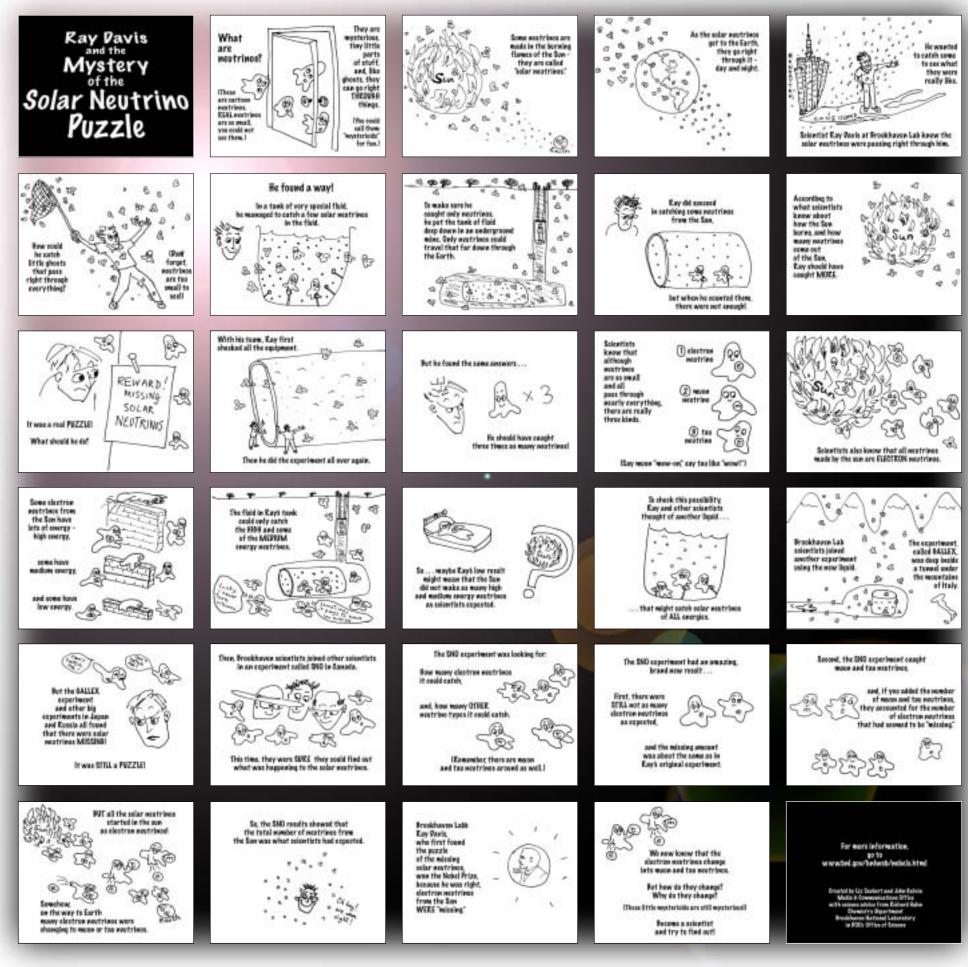
Noon-1 p.m. Small conference room, Bldg. 490. The Occupational Medicine Clinic's Health Promotion Program will sponsor six weekly sessions, noon-1 p.m., of a smoking cessation program directed by a certified nurse practioner. Prescription medication and nicotine replacement products will be available to medically eligible participants. To register, contact Michael Thorn, Ext. 8612, or mthorn@bnl.gov.

# Wednesday, 9/10

#### \*Blood Drive

9:30 a.m.-3 p.m., Brookhaven Center.

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.





#### **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.

forming routine and non-routine administrative tasks for the QOL/BERA/Recreation Office. Will assist in the coordinating, planning, and organizing of various meetings, programs, and initiatives within the Office, including, but not limited to, attendance and taking minutes at the QOL Steering Committee meetings, attending Hospitality meetings, coordinating book/video drive and farmer's market, summer camp, swim program, status reports of projects, ordering equipment/supplies, creating and editing documents and notifications, and creating and tracking of ILR's and work orders. Position will require contact and coordination with all levels of Laboratory staff as well as liaison with outside orJava is also desirable. Research will be in the Physics Application Software Group, which develops software and carries out other computing activities in support of the ATLAS experiment. Principal activities of the group are in the development of the physics data management system and the distributed data analysis system of ATLAS. Depending on the candidate, an initial post at CERN for a period of up to 1.5 years could be considered. The level of the position will depend on the candidate, with possible levels ranging from a research associate to a senior software professional. Under the direction of D. Adams, Physics Department.

TB2622. ADMINISTRATIVE SERVIO ASSISTANT (A-2, term appointment, reposting) - Requires an AAS degree in business, accounting or a related field. Bachelor's degree desirable. Must have knowledge of MS Excel; MS Access experience and familiarity with PeopleSoft is desirable. Responsibilities will include administrative duties related to the NSLS stockroom, NSLS space charge generation, assistance with procurement activities and other duties in support of the NSLS Budget/Administration Group. National Synchrotron Light Source Department. TB2732. OFFICE SERVICES ASSISTANT (CW-2, part-time appointment) - Requires an AAS degree in secretarial science or equivalent experience, good communications skills and knowledge of Laboratory policies and procedures. Proficiency in Microsoft Word. Access and Outlook is required. Responsibilities will include providing support to the CEGPA Directorate including answering the telephones; ordering supplies; maintaining databases, distribution lists, and files; and coordinating meetings as well as providing clerical sup port as needed. This position will also in-

clude extensive interaction with Lab employees and the public. Experience with web requisitions and the IPAP travel system is desired. Community, Education, Government & Public Affairs Directorate. NS3289. PUBLIC AFFAIRS REPRESEN-TATIVE (A-4, part-time 50 percent) - Requires a bachelor's degree, preferably a master's degree, in elementary education, plus a minimum of five years' teaching experience. Knowledge of and experience in the Inquiry method is required; Middle School experience and informal education experience are a plus. Strong interpersonal and communication skills, with the ability to work well in and adapt to diverse group settings, are necessary. Will be responsible for teaching science programs in the BNL Science Museum and in Suffolk County Schools. Office of Educational Programs/Museum Program. Community, Education, Government & Public Affairs Directorate.

96 TOYOTA CELICA GT - convertible, white body, blk. top/int., excel. cond., new eng., dealer maint'd., a/t, a/c, all pwr., 75K mi. \$10,000. Mary, Ext. 6344 or 929-3388.
95 FORD MUSTANG - blue/green, a/t, p/w, p/l, 2-dr., spoiler, alarm, tint windows, dual-flow exhaust, 57K mi., mint cond., must see. \$5,750. Rosalie, 399-2925.
95 LINCOLN CONTINENTAL - all pwr., v.g. cond., 76K mi.. \$4,200. John, 289-9727.
95 PLYMOUTH VOYAGER - white, a/t, a/c, p/s, p/b, c/c, remote start, 117K mi.. \$2,300. Rich, Ext. 7013 or 698-5294.
94 FORD MUSTANG - V6, all power, 136K

LABORATORY RECRUITMENT - Opportunities for Laboratory Employees.

TB298. ADMINISTRATIVE SECRETARY (A-2) - Requires a minimum of 6 years' relevant experience, knowledge of E-Way, People-Soft, Excel, Word, PowerPoint and Outlook, excellent communication skills, and the ability to organize, prioritize, and implement assigned tasks. Responsibilities will include perganizations. Staff Services Division.

**OPEN RECRUITMENT** - Opportunities for Laboratory employees and outside candidates. MK2835. POSTDOCTORAL RESEARCH ASSOCIATE - Requires Ph.D. in chemistry, physics, material science or chemical engineering. Experience in UHV surface science, synchrotron radiation techniques and knowledge of surface chemistry/kinetics is highly desirable. Research will involve surface science experiments on well-defined surfaces using UHV experimental techniques (electron spectroscopies, thermal desorption, infrared spectroscopy, STM) and preparation, characterization of model catalysts and evaluation of their reactivity. Work will be done at the NSLS U7A beam line. Under the direction of J. Hrbek, Chemistry Department.

MK2583. POSTDOCTORAL RESEARCH ASSOCIATE – (reposting) Requires a Ph.D. in high-energy or nuclear physics. Experience with production and analysis of event data from large high-energy or nuclear physics experiments is desirable as is experience in the collaborative development of software to support such experiments. Knowledge of C++, XML, Unix, grid computing, Python and

#### Motor Vehicles & Supplies

01 FORD TAURUS - silver, 3L, 50K mi., a/t, a/c, all pwr., am/fm/cass, well maint., \$9,000. Henri, Ext. 8294 or 776-2779.

00 CHEVY ASTRO VAN - 8 pass., loaded, leather, rear a/c, rear radio, factory warr., 45K mi., mint cond. Ask. \$12,800. Claudia, Ext. 3467.

99 VOLKSWAGON PASSAT - a/t, a/c, all pwr., 64K mi., excel. cond. in/out, 8K left on B/B warr., 6-disk CD, all records. \$11,500. Lou, Ext. 4312 or 732-1028.

96 CHEVY CAVALIER - a/t, a/c, p/s, p/b, 68K mi., excel. cond., \$4,650. Ed, Ext. 4650 or 218-7609.

96 SATURN SC2 - 5-spd., a/c, p/s, p/b, 90K mi., looks and runs like new, dealer maint'd., \$3,500. William, 924-3641. hwy. mi., well maint., very reliable, must see, metalic blue w/spoiler. \$3,500 neg. Tom, Ext. 5741 or 473-3760.

93 FORD PROBE GT - red, 5-spd., a/t, p/s, p/b, p/w, 105K mi., recent battery, brakes, tires, timing belt, tranny, exhaust. \$2,000. Tirre, Ext. 3288 or 281-0360.

92 INFINITI M30 - white, orig. owner, 108K mi., leather, moon roof, a/c, p/s, p/b, abs, pwr. seat, c/c, v.g. cond. \$3,500. Herb, 928-0297.

92 MERCURY - Grand Marquis LS, black, all pwr., loaded, 92K mi., \$3,000. Chris, Ext. 2326.

91 CHEVY LUMINA - blue, runs, hit in front, 159K mi. \$600. Doug, Ext. 4393.

89 CHEVY CORSICA - a/t, a/c, p/s, p/b, 38K mi., v.g. cond. \$1,895. Ed, 472-2750.

88 BUICK REGAL - 2-yr.-old rebuilt eng., 4 new tires, 90K mi., runs well, needs minor body work. \$600, Guo, Ext. 5343.

88 HONDA ELITE SCOOTER - red, a/t, good cond., new batt., rear tire & tube, 1,800 mi., ideal for teenager. \$750, Neville, Ext. 5346 or 874-2730.

87 VOLVO 760 - 182K mi., good cond. \$1,200. Raj, Ext. 2058. (*Classified ads are continued on page 3.*)

# Bulletin

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