

Excitement at 2004 RHIC & AGS Annual Users' Meeting

The 2004 Relativistic Heavy Ion Collider (RHIC) & Alternating Gradient Synchrotron (AGS) Annual Users' Meeting took place May 10-14, with the main meeting held on May 12 in Berkner Hall. During the morning and afternoon plenary sessions, several speakers gave perspectives on the future of RHIC and AGS, and discussed the past year's successes.

Given the exciting results from both RHIC and AGS in the last year, in particular, the recent high-luminosity record achieved at RHIC, it is no wonder that this year's meeting buzzed with optimism and new expectations for the future of these vital facilities.

"We're here to celebrate the tremendous success of the RHIC program," said Associate Laboratory Director for High Energy & Nuclear Physics Tom Kirk in his welcoming remarks to the attendees. "This is the happiest users' meeting since I came to work here at BNL."

In a theme repeated through-

out the meeting, Kirk encouraged the users to ensure the momentum continues by contacting their representatives in Congress to urge them to support RHIC and AGS, especially in this time of tight budgets and new priorities at home and abroad.

Lab Director Praveen Chaudhari echoed this idea from a slightly different viewpoint: the importance of RHIC and AGS to BNL, which he discussed in his address, "The Future of Brookhaven."

Chaudhari emphasized that RHIC is a major part of the Lab's future, as are two projects yet to come: RHIC-II and eRHIC. Other projects, such as a new computing infrastructure to analyze ATLAS data, and the Rare Symmetry Violating Processes (RSVP) and Very Long Baseline Neutrino experiments, which will utilize the capabilities of AGS, are also on the horizon.

"I'm very optimistic as I look into the future of the Laboratory," Chaudhari said, and also outlined some of the goals for the Lab's other research areas — including the life sciences, chemistry, materials science, and nanoscience. He was not without words of caution, though, given the coming years' modest budgets. "There's a reality out there we have to contend with, and there's competition."

Another speaker, DOE Office of Nuclear Physics Director Dennis Kovar, expressed a similar message.

"I'm glad to have the opportunity to give you a perspective that we have at DOE — that what you're doing is important," Kovar said. "The benefits of these experiments are long term, and



Among the speakers and organizers at the 2004 RHIC/AGS Annual Users' Meeting are: (back, from left) Helen Caines, Yale University; Wolfram Fischer, BNL; Gary Westfall, Michigan State University; Peter Steinberg, Columbia University Nevis Labs; Samuel Aronson, BNL; Brant Johnson, BNL; and Vicki Greene, Vanderbilt University; (front, from left) James Dunlop, Yale; Laurence Littenberg, BNL; Mark Baker, BNL; Ramiro Debbé, BNL; Peter Yamin, BNL; Angela Melocoton, BNL; Michael Sivertz, BNL; and Susan White-DePace, BNL.

that case needs to be made."

Kovar encouraged the users to reach out and communicate the value of their work. "It starts with the common citizen, with students, with presidents of universities, with your colleagues." Projects as big as RHIC and AGS are unique, he said, because they cannot be done by the private sector. But this distinction also forces them to compete with other government facilities and projects.

"This community has to be prepared for the funding to be less, and there may be less running time. It's going to be a tough time." To get through it, "We need to identify the compelling questions, implement them as effectively as possible, and then deliver the science." In this way, he said, RHIC and AGS will continue to receive the support they need.

Following Kovar's talk, Brad Keister, Director of the National Science Foundation (NSF) Nuclear Physics program, and Jim Whitmore, Director of the NSF Elementary Particle Physics pro-

gram — discussed the role of NSF at BNL. The NSF currently supports RHIC research and will be the primary funding agency for the RSVP experiment.

Earlier, after welcoming remarks from the outgoing chair of the RHIC/AGS Users' Executive Committee (UEC), Victoria Greene, representatives from RHIC's four experiments — STAR, PHENIX, BRAHMS, and PHOBOS — summarized each project's activities and highlights of the past year. Sam Aronson, Chair of the Physics Department, also gave a detailed and "ambitious" survey of BNL's future nuclear and high energy physics programs.

"This RHIC/AGS Users' Meeting comes at an ideal time for programs represented by the users' group," said Greene. "New and unexpected physics results are arriving regularly from the RHIC data, and the RHIC accelerator is operating at peak performance."

"The meeting showcased the spectacular results obtained at RHIC in the past year," agreed the new UEC Chair, Gary Westfall.

"The Collider-Accelerator Department operations team met and exceeded RHIC's design specifications for luminosity and delivered record amounts of collisions for the experiments."

Other new UEC members are: Chair-Elect Brant Johnson, Barbara Erasmus, George Stephans, Christine Aidala (the student/postdoc representative), and Peter Steinberg.

In the days before and after the main meeting, users divided into 10 workshops to discuss specific topics. "This is a departure from the previous user-meeting format, but the response was overwhelmingly positive," said Johnson, who is also the meeting's principal organizer. "All the workshops were well-attended and the feedback from attendees was very favorable."

He added that the meeting would not have been possible without the support and hard work of the RHIC/AGS Users' Center staff — Susan White De Pace, Angela Melocoton, Kelly Guiffreda, and Mercy Baez.

— Laura Mgrdichian

RHIC/AGS User Meeting Thesis, Poster Awards

During the main meeting of the 2004 RHIC/AGS Annual Users' Meeting, two Thesis Awards, two Thesis Honorable Mentions, and a Poster Award were made. Lab Director Praveen Chaudhari presented the thesis awards to Paul Sorensen, Lawrence Berkeley National Laboratory (LBNL); and Mifuyu Ukai, Tohoku University, Japan; and congratulated the two honorable mention winners, Bipul Bhuyan, University of Delhi, India; and Javier Cardona, Stony Brook University. Later that day, the Poster Award winner was announced as Djamel Ouerdane of the Niels Bohr Institute, University of Copenhagen, Denmark, who was not present.

Paul Sorensen, who did his thesis while at the University of California, Los Angeles, joined the STAR collaboration in the fall of 2000 to study kaon production in heavy ion collisions. His thesis was on "Kaon & Lambda Production at Intermediate Transverse Momentum (p_T): Insights into the Hadronization of the Bulk Partonic Matter Created in Au+Au Collisions at RHIC." A universal pattern for elliptic flow has been established on the basis of Sorensen's work, and subsequent data have confirmed it. A very important feature of the early stages of the collision has been

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BNL Director Praveen Chaudhari presents certificates to the Thesis Award winners, Mifuyu Ukai (left) and Paul Sorensen.



Botulinum Toxin Structure Offers Clues for Vaccines/Treatments

By deciphering the near atomic-level structure of the catalytic domain of botulinum toxin type E — one of seven neurotoxins that cause botulism, a disease that paralyzes victims by blocking nerve cells' ability to communicate — biologists at BNL are one step closer to a potential vaccine or treatment. Structures of the toxin and a related non-toxic version that differs by just one amino acid will appear in the June 1, 2004, issue of the journal *Biochemistry*. The research was supported by the U.S. Army Medical Research and Materiel Command.

"Botulinum neurotoxins are the most toxic substances (by weight) known to humankind," said Subramanyam Swaminathan of the Biology Department, who leads the research team (see photo). "Because botulism is such a dreadful disease, and there are no current treatments, it creates great fear among people concerned about bioterror agents. That is why we are working so hard to understand the structures of the toxins and their mechanisms of action, so that this information can be used to design vaccines or drugs to combat



The BNL team working with Biology's Subramanyam Swaminathan (back, right) are: Krishnamurthy Rao; (back, left) and (front, from left) coauthors Desigan Kumaran, Rakhi Agarwal, and Subramaniam Eswaramoorthy; and Seetharaman Jayaraman.

the disease, and, almost as important, help mitigate the fear."

To decipher the toxin's molecular structure, Swaminathan and his team bombard crystalline samples with high-intensity x-rays produced by BNL's National Synchrotron Light Source (NSLS), one of the most widely used scientific facilities in the world. At beam line X12C, by studying

how the x-rays are diffracted as they bounce off or pass through parts of the crystal, the scientists worked backward to reconstruct the shape and arrangement of the atoms in the molecule.

There are seven known types of botulinum toxin. They block the release of neurotransmitters, the chemical messengers that

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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 area.
- Contact names are provided for most events for more information.
- Calendar events flagged with an asterisk (*) have an accompanying story in this week's Bulletin.

— EACH WEEK —

Weekdays: Free English for Speakers of Other Languages Classes

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

Mondays: BNL Gospel Choir

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

Mon., Tues., & Thurs.: Kickboxing

\$5 per class. Mon. & Thurs. noon-1 p.m. in the gym; Tues., 5:15-6:15 p.m. in the gym; Thurs., 5:15-6:15 p.m. in Brookhaven Ctr. Registration is required. Christine Carter, Ext. 2873.

Monday & Friday: Jazzercise

Noon-1 p.m., Rec. Hall. Preregistration is required. Christine Carter, Ext. 5090.

Mon., Thurs., & Fri.: Tai Chi

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

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: Jiu Jitsu Club

6:30-7:30 p.m. in the gym. All levels, ages 6 and above. \$10 per class. Tom, Ext. 4556.

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.

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. Eight-week session. \$20 to attend once a week; \$40 to attend twice a week. Ext. 2873 for more information.

Tues. & Thurs: Upton Nursery School

9-11:30 a.m. in the Rec. Hall. For 3 & 4 year olds. Alison Tilp, Ext. 4465, or tilp@bnl.gov.

Wednesdays: On-Site Play Group

10 a.m.-noon. Rec. Hall. An infant/toddler drop-in event. Parents meet while children play. Cindy Otteman, 821-4482.

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: Dance Lessons

6-8 p.m., North Ballroom, Brookhaven Ctr. John Millener, Ext. 3853.

Thursdays: Reiki Healing Class

Noon-1 p.m., Bldg. 211. Nicole Bernholz, Ext. 2027.

Thursdays: FreshDirect Delivery

3:30-5:30 p.m., Berkner Hall parking lot.

Fridays: Pilates Class

7-8 a.m. in the gym. Christine Carter, Ext. 5090.

Fridays: Family Swim Night

5-8 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.

— NEXT WEEK —

Monday, 5/31

Memorial Day Holiday

The Lab will be closed in honor of Memorial Day. No Bulletin will be published on Friday, June 4.

Tuesday, 6/1

Caring Friends Meet

Noon, Berkner Hall, Room D. All are welcome to join an informal support group serving as a resource for individuals experiencing grief following the loss of a loved one. Call Pat Hein, Ext. 3962, or Gerry Van DerLaske, Ext. 3476.

Wednesday, 6/2

National Bond and Trust Demo

9 a.m.-2 p.m., Berkner Hall. Representatives from National Bond and Trust, a licensed issuing agent of the U.S. Treasury, will present BNLees with information about payroll-deducted savings bonds and will enroll those who are interested. Jane O'Malley, (516) 979-6970.

*Noon Recital: Classical Videos

Noon, Berkner Hall. The recital by Antigoni Goni will be rescheduled. Two rare classical videos will be screened instead. All are invited to this free event.

CEGPA Staffers Earn Four Contest Awards For Web, Design, Advertising Products

Four staffers within the Community, Education, Government, and Public Affairs Directorate (CEGPA) were recently honored, when their work took five awards in three regional and international competitions sponsored by two communications and advertising professional organizations.

The Web-based version of the fall 2003 issue of *discover Brookhaven*, the Laboratory's science magazine (www.bnl.gov/discover/Fall_03/), earned three top awards in two Society for Technical Communication (STC) competitions: a second place internationally, and, regionally, a first place and a best in show.

First, in the annual STC New York Metro Chapter competition, *discover Brookhaven* not only won the online communication competition with the first-place ranking of "distinguished," but it was also judged "best in show" within the online category.

The Lab's Webmaster, Gary Schroeder, created the website, while Marsha Belford edited the publication, which is also available in print. That issue of the magazine features stories by CEGPA's Media and Communications (Med/Com) Office writers Marsha Belford, Peter Genzer, and Karen McNulty Walsh, plus former staffer Patrice Pages.

Then, as a result of the best-in-show designation at the STC regional level, the *discover Brookhaven* online entry was submitted to STC's international

competition. When compared against other local and regional chapters' online bests around the world, *discover Brookhaven* placed second internationally, with an award of "excellence."

Inspiration Found in Space

Another award-winner in the regional metro-area STC competition is a NASA Space Radiation Laboratory poster created by Med/Com staffer John Galvin.

Along with other materials, Galvin created the poster for the October 14, 2003, on-site ceremony dedicating NSRL, which provides heavy-ion beams from the Booster to radiobiologists from around the world who come to BNL to study the effects of simulated space radiation. (For more information about NSRL, see the online fall 2003 issue of *discover Brookhaven*.)

Entered in the promotional poster-design competition in the technical art category, the NSRL poster placed second, with a grade of "excellence" and positive judges' remarks on its "dynamic first impression," "appealing layout" and "well-blocked text."

With 25,000 members worldwide, STC is the world's largest organization dedicated to advancing the art and science of technical communication. Each year, most of its 20 chapters hold competitions open to all technical communicators to evaluate their online communications, technical artwork, and technical publications. An entry must win

Botulinum Toxin Structure Offers Clues for Vaccines/Treatments

nerve cells use to communicate with one another and with muscles, by cleaving one of three proteins needed to release these chemical messengers. The BNL team's work in deciphering the structure of the part of the type E toxin that does the cleaving has also yielded information on the toxin's mechanism of action. In addition, by changing just one amino acid of this portion of the toxin protein, the scientists have created a form with essentially the same structure but with no toxicity.

"This achievement gives two opportunities for developing therapeutic agents," Swaminathan said. "First, because of their structural similarity, the inactive protein could be used as a potential vaccine; an immune response raised against it should also thwart the active toxin. Second, since the change in just one amino acid is sufficient to render the toxin harmless, it might be possible to design drugs that simply disable that amino acid to treat the disease.

"The results of this study, com-

RHIC/AGS User Meeting Thesis, Poster Awards

elucidated, one implying that quarks behave coherently in establishing collective flow, an important piece of evidence for the production of a strongly-interacting quark-gluon plasma.

Said Sorensen, "My thesis studies build on the hard work and vision of the many people I worked with as a graduate student. The members of the RHIC community and the STAR collaboration create a lot of opportunities for the students working there. On top of that, I couldn't have hoped for better colleagues and advisors than the members of the heavy-ion group at UCLA. My thesis advisor Huan Huang deserves credit for creating the kind of environment that helps his students succeed. I also benefited from working closely with the relativistic nuclear collisions group at LBNL while I was still a student."

Mifuyu Ukai, who had traveled from Japan to attend the meeting, was awarded for her thesis on "Study of Spin-Dependent lambda Particle/Nucleon (λ/N) Interactions by Gamma-Ray

Spectroscopy of p-Shell Hypernuclei," which determines the strengths of the four λN spin-dependent forces. Ukai's thesis describes work she did on Experiment 930 at the D6 beam line in the Alternating Gradient Synchrotron in 2001. According to Ukai's citation, "In addition to her experimental measurements, she made considerable contributions to revamping the hyperball detector, which had been dismantled after a previous experimental run and required considerable repair before further experiments could be conducted. For her efforts in repairing and running the hyperball detector, she has established herself as a first-rate experimentalist."

Said Ukai, "The experiment E930 succeeded much more than we expected. The success was owing to the good beam line — the best in the world for this experiment. This work should give a key of unified understanding of baryon-baryon interactions."

Ukai greatly valued her time at BNL working with the experi-



Roger Stoutenburgh D2410404

CEGPA staffers and Society for Technical Communications winners are: (from left) John Galvin, whose winning poster is seen behind him at left; Marsha Belford, who edited *discover Brookhaven*; and Gary Schroeder, who designed the online version of the Lab's science magazine. Not in the picture is Diane Greenberg, who with Belford, earned a BOLI award from the Long Island Advertising Club.

an award of distinguished at the local or regional level to qualify for automatic entry into STC's international competition.

Sunday, Sunday, Sunday

The fifth award won recently by CEGPA staffers was for a different media and communications purpose: radio advertising.

In the 31st annual Best of Long Island (BOLI) competition sponsored by the Long Island Advertising Club (LIAC), one of the 2003 series of CEGPA's "Sunday, Sunday, Sunday" radio spots (www.bnl.gov/video) advertising the Lab's annual Summer Sunday tours earned a third-place award of "excellence" in the LIAC Marconi Award category of station-produced commercials for retail and non-retail clients.

Conceived for adult contemporary stations, the ad series was

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combined with the known structures of two other botulinum toxins — one of which was also determined by our lab — should help us understand the differences in their specificity and selectivity, and might even help us design a common inhibitor for all three or even all seven of the serotypes," Swaminathan said.

There are no Clostridium botulinum bacteria at BNL. For this work, the scientists obtained the gene for the part of the type E neurotoxin that actively cleaves proteins, the cata-

lytic domain. They then expressed this gene to produce this portion of the neurotoxin protein, which by itself is not toxic. This work is done in strict compliance with the Lab's Institutional Biosafety committee regulations according to standards set by the U.S. Centers for Disease Control and Prevention in Atlanta. Only authorized scientists have access to the laboratory.

— Karen McNulty Walsh

Note: For more details on this work, see www.bnl.gov/bnlweb/pubaf/pr/2004/bnlpr051004.htm.

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mental team. She also had time to get to know some BNL fauna that were new to her. "Especially my favorite on this site are ground hogs!" she said.

The two thesis winners of the honorable mention category, Bipul Bhuyan and Javier Cardona, wrote on their research at the AGS on "Search for the Rare Kaon Decay $K^+ \rightarrow p^+ nn\text{-bar}$ " and "Linear and Non Linear Studies at RHIC Interaction Regions and Optical Design of the Rapid Cycling Medical Synchrotron," respectively.

Djamel Ouerdane, whose poster and thesis were on "Rapidly Dependence of Charged Kaon and Pion Production in Central Au+Au Collisions at 200 GeV Energy per Nucleon Pair," won the Poster Award for his detailed analysis and outstanding clarity of presentation. Of his winning poster was noted: "The BRAHMS experiment at RHIC has a unique capability for measuring the momentum distribution of individual charged particle species over almost the complete angular range from 2.2 degrees to 90

degrees. Ouerdane analyzed the produced π^+ , π^- , K^+ and K^- mesons emitted in gold-gold collisions colliding with about 40 TeV center-of-mass energy. The detailed systematic nature of these measurements places strong constraints on models that try to describe what happens when nuclei collide at such high energy. One of the surprises to emerge is that dN/dy for pions (the number of pions emitted per unit of rapidity — roughly the number of particles emitted at each angle) is Gaussian (bell-shaped) as differentiated from the more "flat topped" distribution that was expected. This unexpected result is in keeping with a prediction some 50 years ago by Landau but for considerably lower collision energies."

Said Ouerdane, "I am very pleased to have won the thesis poster award. It feels as if I am even more part of the RHIC adventure, and I must say that I am proud that I could give a small contribution to the RHIC outstanding amount of exciting results." — Liz Seubert

BNL's OHSAS 18001 Registration Effort Moves Ahead

As the Laboratory continues to move toward its goal of achieving Occupational Health & Safety Assessment Series (OHSAS) 18001 registration — a new safety initiative which is aimed at preventing accidents by putting improved safety systems in place — a team of internal auditors recently performed a “gap analysis” to identify procedures and safety systems needed to achieve this prestigious registration status.

The information gathered, which will be provided to the OHSAS 18001 Pilot Steering Committee and Laboratory Directors, will be used to ensure that the four BNL organizations that are piloting this effort meet all the necessary requirements before the preliminary external audit scheduled for mid-June.

The four pilot organizations are: the Central Fabrication Services Division; the Collider-Accelerator Department (C-A); the Environment, Safety, Health & Quality Directorate; and the Plant Engineering Division.

More information on OHSAS 18001 is in the Bulletin of March 5, 2004. Employees are reminded that safety suggestions are always welcome. Forward suggestions to Steven Hoey, Interim Manager, Safety & Health Services Division, Ext. 7936 or hoey@bnl.gov. — Jane Koropsak



Guiding the Lab through the rigorous OHSAS 18001 registration process are members of the OHSAS Pilot Steering Committee: (seated, from left) Andrew McNeerney, Facilities & Operations Directorate (DFO); Jane Koropsak, Community, Education, Government & Public Affairs; Patricia Williams, DFO; Edward Lessard, Collider-Accelerator Department (C-A); and (standing, right) Steven Hoey, Safety & Health Services Division (SHS). Not present: James Tarpinian, Environment, Safety, Health & Quality Directorate; and George Goode, Environmental Services Division (ES). Members of the internal audit team are: (standing, from left) Patricia Bender, DFO; Peder Martino, DFO; Peter Heotis, Radiological Control Division; Mark Davis, ES; Steven Stein*, Quality Service & Programs Office (QA); Nicole Bernholz, SHS; Richard Savage, QA; and David Passarello, C-A. Not present were: Raymond Costa, DFO; Peter Kelley, DOE Brookhaven Site Office; and Melvin Van Essendelft, ES. (*Photographed and added later.)

Roger Stoulenburgh D056304

Calendar

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Thursday, 6/3

Noon Talk on Elder Care

Noon, Berkner Hall. “Benefits for the Elderly & Support for Caregivers.” Pre-registration is necessary to attend this free talk sponsored by the Human Resources & Occupational Medicine Division. Contact Michael Thorn, Ext. 8612 or mthorn@bnl.gov.

Saturday, 6/5

*Hospitality Bus Trip to NYC

Bus departs at 9 a.m. from the Recreation Hall in the apartment area, returns from the city at 6 p.m. \$10 for adults, \$5 for children ages 2-12. Payment information below, left. Miriam Rondon, 924-5131, or miao01@hotmail.com.

— WEEK OF 6/7 —

Tuesday, 6/8

*Skin Cancer Lecture

Noon-1 p.m., Berkner Hall Room B. Marcia Tonnesen, Stony Brook University, presents “Skin Cancer: What You Need To Know.” See notice at left. Michael Thorn, Ext. 8612.

Thursday, 6/10

Costco Wholesale Club Demo

9 a.m.-2 p.m., Berkner Hall. Representatives from Costco Wholesale Club (Price Club) will present BNLeers with special offers, including a \$45 annual membership that includes two membership cards and an additional \$10 cash card. There will also be a raffle for a free one-year membership. Kendra, 366-1506.

Noon Talk on Estate Planning

Noon, Berkner Hall. Part of the “Elder Care” series, this talk will be on “Elder Law & Estate Planning. Preregistration is necessary to attend this free talk sponsored by the Human Resources & Occupational Medicine Division. Contact Michael Thorn, Ext. 8612 or mthorn@bnl.gov.

BNL Career Network Group Meeting

Noon, Berkner Hall, Room D. All are welcome. Cathy Wehrmann, Ext. 7823.

Tuesday, 6/15

Blood Drive

9:30 a.m.-3 p.m., Brookhaven Center. See announcement at left on this page. Susan Foster, Ext. 2888 or donate blood@bnl.gov.

Wednesday, 6/16

395th Brookhaven Lecture

4 p.m., Berkner Hall. Adam Rusek, Collider-Accelerator Department, will present a talk on BNL's NASA Space Radiation Laboratory. All are welcome.

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.

BERASTORE OFFERS

Broadway Show, 7/10

Free luxury bus to attend *The Producers* on Saturday July 10 at 2 p.m. \$110 for orchestra seats.

Broadway Show, 7/11

Free luxury bus to attend *Lion King* on Sunday, July 11, at 3 p.m. \$85 for mezzanine seats.

Great Adventure Tickets

Discounted tickets: Early Bird, good through June, \$30 at BERA Store, \$48 at park; regular, for use after June 30, \$35 at BERA, \$48 at the park.

Ducks Season Tickets

May-September, \$10 each.

Yankees & Mets tickets

Luxury bus from BNL is free.

Lizards Lacrosse

Season Tickets \$15 each.

Children's Swim Lessons

Weekly swimming lessons for children begin July 1 for 8 weeks, 2-3 p.m. Children must be a minimum of 42 inches tall. Make checks payable to BERA for \$80.

Summer Camp

Applications available. Call Ext. 5090 for information.

Dinner Dance Cruise

Saturday, August 7, Spirit of NY cruise

Ellis Island, Statue of Liberty Trip

Sunday, September 19

NASCAR Race-Dover, DE

Sunday, September 26

Expanded Employee Assistance Now Provided Through CIGNA

Beginning next Tuesday, June 1, the Laboratory will be replacing the Human Resources & Occupational Medicine Division's in-house Employee Assistance Program (EAP) with a new program through CIGNA Behavioral Health. Although the program is run by CIGNA, it is open to all employees and their families. Over the next few weeks, employees will receive informational packets detailing the expanded services available through the new program, including:

- 24/7 telephone counseling and referrals for employees and their family members
- On-site, 20-hour-per-week, mental health professional
- Comprehensive web services
- “Life events” referral services for information on:
 - child care
 - summer care such as day camps for children
 - prenatal care
 - adoption services
 - financial information, such as debt management and budgeting help
 - senior care
 - special needs
 - parenting issues and advice
- Telephonic seminars on wellness and workplace development
- Educational programs
- Legal resources, including free 30-minute consultations and provider discounts

All these services will be available from June 1. Employees can talk to EAP representatives at 1-877-622-4327, or visit the CIGNA Behavioral Health website at www.cignabehavioral.com. To sign onto the website, use “BNL” as company name and “employee” as the personal identification number (PIN).

Joe Gisondo, who has headed BNL's EAP since October 1989, will be leaving the Lab at the end of May. “I'd like to thank Joe for his efforts over the years in this important function,” said HR&OM Director Bill Hempfling. “We expect that the comprehensive program offered through CIGNA Behavioral Health will help many of us manage our increasingly busy lives.”

Additional information on the new EAP program will appear in upcoming issues of the Bulletin, the Monday Memo, and on the BNL intranet site.

Roll Up Your Sleeve: Blood Drive, 6/15

BNL is holding a blood drive on Tuesday, June 15, from 9:30 a.m. to 3 p.m. in the Brookhaven Center. Those eligible to donate are people in good health between the ages of 17 and 75 who weigh at least 110 pounds. Restrictions may apply to individuals from the United Kingdom and Europe. Donors should have a photo ID and know their social security number.

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

Fidelity Investment Counseling, 6/9

A Fidelity Investment representative will be at the Lab on Wednesday, June 9, to hold sessions with individual employees interested in learning more about their retirement-savings and investment options. Schedule one of the 45-minute appointments by calling (800) 642-7131.

NYC Bus Trip, 6/5

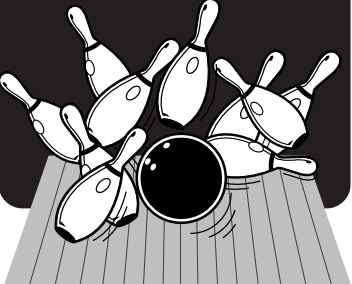
The Hospitality Committee invites all of the Lab community to join a bus trip to New York City on Saturday, June 5, departing at 9 a.m. from the Recreation Hall in the apartment area and returning from the city at 6 p.m. Tickets cost \$10 for adults and \$5 for children ages 2-12. To reserve, contact Miriam Rondon, 924-5131, or miao01@hotmail.com. Payments can be made on Tuesdays, 10:30 a.m.-noon, at the Recreation Hall; and on Thursday, June 3, noon-1 p.m. in Berkner Hall lobby.

Call For Bowlers

Bowlers are needed for the Thursday night mixed league in Shirley, which begins on Thursday, September 9, at 6:30 p.m.

All interested BNL employees, retirees, family and friends, ages 18 and over, are eligible to participate.

If you are interested, or for more information, contact Debbie Reynolds, Ext. 5340, dreynolds@bnl.gov.



Recital

Wednesday Noon Recital: Classical Music Videos

The guitar performance originally scheduled for noon on Wednesday, June 2, has been postponed by the artist.

To help allay any disappointment, for which the Music Committee apologizes, two unusual videos on classical music will be shown instead.

Arrivals & Departures

Arrivals

Sport Moran Plant Eng.
Lisa Muench S&H Svcs.
Sanjay Padhi Physics

Departures

Kenneth Rogers C-A

Skin Cancer Talk, 6/8

On Tuesday, June 8, noon-1 p.m. in Berkner Hall Room B, Marcia Tonnesen, Stony Brook University, will talk on “Skin Cancer: What You Need To Know.” Check your mailbox for registration forms. Return completed forms to Linda DiPierro, Bldg. 490, by Friday, June 4. For more information, contact Michael Thorn at Ext. 8612.

On-Site Service Station Tip of the Week: Timing Belts

A timing belt failure can be a serious problem — it can leave you stranded and cause engine damage costing \$2,000-plus to fix in certain cars. Most vehicles require this service at 60,000 or 90,000 miles. If you are not sure when your vehicle's timing belt was last changed, stop at the on-site service station, Upton Industries, Inc. They will be glad to check your vehicle's manufacturer for specifications. Contact the station at Ext. 4034.

Elder Care Expo

Presented by the Human Resources
& Occupational Medicine Division

Wednesday, June 16 • 11 a.m.-1:30 p.m. • Berkner Hall

Topics Include:

- Health resources: Alzheimer's, arthritis, diabetes, blood pressure, vision care, long-term care, medical supplies
- Resources for caregivers: home care, respite care, hospice care, nursing home care, visiting nurse, adult day care
- Activities: BERA, BREA, BOCES, parks commissions
- Safety: BNL Fire/Rescue and BNL Police Groups
- Fitness: Curves, Eastern Athletic Club, YMCA
- Volunteer opportunities: foster grandparents, LIBS
- Benefits and services: Social Security, veterans benefits, Suffolk County Office of the Aging, United Adult Ministries, federal talking books, Senior Net
- Nutrition: FLIK, Meals on Wheels

Future Lectures:

"Benefits for the Elderly & Support for Caregivers"
June 3 noon-1 p.m.

Elder Law & Estate Planning
June 10 noon-1 p.m.

"Long-Term Care"
June 17 noon-1 p.m.

Pre-registration is necessary for the three lectures listed above. Check your mailbox for registration forms.

*For more information, contact
Michael Thorn, Health Promotion Coordinator,
(631) 344-8612, mthorn@bnl.gov.*

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.

OPEN RECRUITMENT – Opportunities for Laboratory employees and outside candidates. NS4178. APPLICATIONS ENGINEER (I-6, term appointment) – Requires a bachelor's degree or equivalent, 3+ years of related experience, experience in Linux/UNIX, solid programming skills in at least one high-level language (C, C++, and/or FORTRAN), and good problem-solving and communication skills. Experience with IDL (Matlab acceptable) is strongly desired, as is experience with analysis and graphical rendering of scientific data. Experience writing automated scripts in Perl and/or Cshell is preferred; demonstrated knowledge of OpenGL is considered a plus, with secondary importance to HTML, Java, and/or database management skills. A background in atmospheric science would be extremely beneficial, but not essential. Will assist with scientific data analysis and algorithm development. Responsibilities include writing analysis codes, running model simulations, and writing automated scripts for the management of large data sets from models, satellite and surface sensors. Environmental Sciences Department.

Motor Vehicle & Supplies

01 VW JETTA GLS TURBO - 5spd, a/c, p/b, p/s, p/w, 1.8L, Wolfsburg. Ed., m/roof, 6 cd, 33K mi., \$12,900/obo. Suresh, Ext. 4459, 751-2095.
00 NISSAN QUEST - 5spd, a/t, a/c, p/s, p/b, light gold, mint cond., orig. owner. 45K mi., \$12,999. Jim, Ext. 5018 or 335-9007.
99 CHRYSLER CONCORDE - new tires, Lo-Jack alarm, many extras, gar., excel., ask \$7950. Ray, 924-4147.
99 JAYCO FIFTH WHEEL RV - Eagle series, 30" w/slideout, sleeps 6, loaded, excel. cond., \$14,000. Dave, 848-6055.
99 SATURN SL2 - a/t, a/c p/b, p/s, p/w, sunroof, new brakes & batt., gd. cond., orig. owner, 102K hwy mi., \$5,100/neg. Lisa, Ext. 7524.
97 INFINITI Q45 - a/t, a/c p/b, p/s, p/w, sunroof, dk. green, excel. cond., 150K mi., \$9,000. Darlene, Ext. 4685 or 587-2385.
96 AUDIA4 - a/t, a/c p/b, p/s, p/w, v.gd. cond., well maint., orig. owner, 113K mi., \$6,500. Sharon, Ext. 3217.
95 SATURN SLI - 5spd, a/c, pwr sunroof dk. blue, svc. records, runs well, 158K mi., \$1,200. David, 258-6087.
92 CHRYSLER LEBARON - a/t, a/c p/b, p/s, p/w, half Landau roof, gd. cond., 150K mi., \$625. Scott, 345-2365.
92 INFINITI M30 - a/t, a/c p/b, p/s, p/w, leather, moonroof, pwr. seat c/c, orig. owner, 110K mi., \$2,800. Herb, 928-0297.
88 CHEVROLET CELEBRITY - a/t, p/b, am/fm, new batt., 41K mi. \$500. Tirre, Ext. 3288 or 344-1018.

TOOL BOX - Weather Guard steel cross-bed, sliding tray w/2 locking drs., key for stepside or mini pick-up, ask \$100. 878-8302.

TRAILER BRAKE - sway control, adj. dual frict., \$35; Escort, 2 elctnric. trlr. brake controller w/LED bar displ., \$35. Richard, Ext. 7160.

TRUCK CAP - fibergl., A.R.E., fits '87-'96 long bed Dodge Dakota, sliding windows, screens, keyless rear wndw, \$150. Pat, Ext. 8252.

Boats & Marine Supplies

19' GRADY WHITE - '84 Tmam. 130hp Yamaha eng., Magic Tilt trailer, full encl., VHF, dpthfdr, swim platf., ask \$11,000. 878-8302.
19' CRUISER RUNABOUT - w/trailer, canvas top, back cover, 150hp. Johnson motor. Louis, 878-0743.

Furnishings & Appliances

BEDROOM SET - living-room set, paintings & more. Upendra, 751-4539.

CHINA CABINET - Vintage Thomasville, 5'W x 6'L, maple, dbl. glass drs. in center, 3 bottom drawers, \$1,500/neg. Wendy, 473-2566.

CONTENTS OF HOUSE - bdrm., lr, kit. set, pool table. Angela, Ext. 5944.

DEHUMIDIFIER - Emerson Quietkool, 28pts./day, \$50. John, Ext. 4028.

DEHUMIDIFIER - gd. cond., \$75. Joe, Ext. 3783, 929-8321.

DINING ROOM SET - 3-pc wall unit, blk. w/ glass & mirrors, blk. table w/4 chairs, \$325. Diana, Ext. 3681, 399-3910.

DINING ROOM TABLE - 2 leaves & 6 chairs, custom table pads, excel. cond., \$500. Brian, Ext. 2799, 757-1581.

DRYER - Roper elec., XL capacity, gd. cond. Greg, Ext. 7810 or 924-1752.

MICROWAVE OVEN - Sharp, .8 cu. ft., 800w, \$35; Honeywell 12" Oscillating stand fan, both like new, \$10. Sadayuki, Ext. 4360.

REFRIGERATOR/FREEZER - Magic Chef, side-by-side, bone color, 20 cu. ft., 30"W x 67"L, like new, \$550. 744-8087.

SLEEPER SOFA - queen, matching loveseat, clean, \$225; 7-pc. assembled Furn-a-Kit queen bdrm., \$225. Rodney, 751-7023.

LAWN TRACTOR - John Deere 180, 17hp, 38" deck, rear bags, push blade, tire chains, svc. manual, will deliv., \$1,175. Stan, Ext. 4406.

WOODEN CLIMBER - used indrs. w/loft platform that can be raised or lowered, climbing pole, \$50; Futon, double, \$25. 874-3652.

Audio, Video & Computers

DELL - 1.1Ghz CUP, 256Mb ram, 20Gb HD, CDRW, 19" mon., \$325; or w/1.0 Ghz CPU, w/o mon. \$275. Don, Ext. 7237, 929-6571.

PC INTEL P3-667 - 20Gb HD, 384 MB RAM, cd-rw, cd-r., TNT2-64 Video 32Mb, Dell 15" mon., much more, \$375. Maureen, Ext. 5179.
PRINTER - HP DeskJet 840C series, excel. cond., \$20. Michele, 642-7442.

TV & DVD/VHS - Toshiba, 20" flat, silver, \$130; Daewood DVD/VHS combo player, silver, \$80, Sadayuki, Ext. 4360, 921-7011.

VCR - Panasonic, \$10; Sharp, 3-cd duo tape player stereo/2 bookshelf speakers, \$40; GE microwave, \$20. Walter, 732-5917.

Sports, Hobbies & Pets

BICYCLES - 2 Trek 220, 24" wheels, 18 spds, 1 girl's, 1 boy's, \$50/ea. Cindy, 874-3652.

BIKES - man's Ross Mt. Olympus, all-terrain, 18" frame, 26" wheels, 15 spd, helmet, u-bolt, \$70; woman's Raleigh racer, \$55. 473-6546.

BICYCLE - ladies' 18 spd, 26", gd. cond, needs tube, teal blue, upright handlebars, \$50/obo. Susan, Ext. 3492, 734-2593 eves.

PUPPY - Cocker Spaniel, 4-mo.-old male, blk. & white, AKC papers, adorable, \$350. Mike, 281-2414.

SKIS - girl's Trax cross country, 150cm, Salomon boots, woman's size 7-7½, never worn, poles, \$25. Michael, 473-3604.

TICKETS - Mets, Tues. & Fri. dates still avail., Loge 5, Row G, 2 tickets per game, face value. Rodney, 751-7023.

TICKETS - 6 concert tickets for Sting & Annie Lennox at Jones Beach, 7/1, \$46/ea. Gregg, Ext. 4548 or 874-8631.

TICKETS - U.S. Open, 2 for ea. day, Mon, 6/14, Tues., 6/15, practice rounds at Shinnecock Hills, \$35/ea. Bill, Ext. 2377, 654-8685.

Miscellaneous

ACOUSTIC GUITAR - Sandre w/case, \$95. Chris, 744-6874.

DISHWARE - Pfaltzgraff dishes, RiverView pattern, full set + extra plates & access., excel. cond., \$50/all. Carol, 744-8632.

GAS STOVE - 2, 1 only 6 mos. old, Bisque color, \$200; other, white, approx. 8 yrs old, \$50. Maggie, Ext. 4720 or 775-6618.

TABLES - 2 oak, solid side, \$50; alum. folding, \$10; computer station, \$25; comp. chair w/wheels, \$20; rug, \$50. Walter, 732-5917.

PINS - flashing, blinking, for Memorial Day & 4th of July, stars, flags, & the USA. Mike, Ext. 5262.

UNIQUE PIÑATAS - all occasions & characters, cartoon, Disney, Sesame Street. Donna, 821-0359.

Yard & Garage Sales

GARAGE SALE - 476 Terryville Rd., Port Jefferson Station off Old Town Rd., Sat., 5/29, 9 a.m.-6 p.m. Tim, Ext. 5965.

GARAGE SALE - 2 family, 5/29-30, 9:30 a.m.-5 p.m., 15 Deer Leap Rd., Ridge. Paul, Ext. 4668.

YARD SALE - huge, 6/12, 10 a.m.-4 p.m., 31,45 & 49 Newcomb Trail, Ridge, Lake Panamoka, John, 929-6403.

Free

CAR SEAT & WALKER - gd. cond., Yang, Ext. 3550 or 871-2256.

CATS - 2 sm. house cats, need gd. home, Gary, Ext. 8580 or 821-7952.

CEILING FAN & LIGHTS - microwave, stainless steel kit. sink, u-pick-up. Sam, 928-3568.

Community Involvement

SPONSORS - needed for the 2004 U.S. Transplant Games. This event increases organ donor awareness. Rich, Ext. 7013, for more info.

Wanted

GO CHESS PLAYERS - BNLers, play GO chess, the fascinating 4,000-yr-old board game in *A Beautiful Mind*. Xin, Ext. 2107.

KARAOKE PLAYER - for 10" laser disk, Peter, 455-6121.

RESEARCH VOLUNTEERS - men and women, ages 18 and over, are needed for PET study. Strictly confidential, fee provided. 344-5015.

SHOTGUN - model 870 in 410Ga., Joe, Ext. 3783 or 929-8321.

VACUUM TUBES, MORE - any old/new electron vacuum tubes or assoc. equip., amplifiers, radios, test equip., etc. Jon, Ext. 5335.

For Rent

BELLPORT VILLAGE - 3 bdrm., 1 bath, kit, lr, dr, fenced property, 2 car gar., \$1,800/mo. Carter, 654-0411.

RIDGE - sm. 1-bdrm. house w/ full bath, lr/kit. combo, bsmt. storage w/hookups for w/d, no pets, close to Lab, off WFP, sec. & ref. req., \$1,100. Avail. 7/1. Susan, 744-04559.

SHIRLEY - 3-bdrm ranch, priv. area, 1 bath, eik, great rm. w/fp & glass drs. to deck, attach. gar., fenced back yd. backs up to Manor of St. Georges, \$1,500/mo. Bob, 281-6551.

YAPHANK - 2-bdrm. house w/priv. yd., 5 mi. from BNL, \$1,250 + util., 2 mos. sec., no pets. Sharon, 924-5505.

WADING RIVER - 3-bdrm. summer rental, steps to priv. beach, complete priv., \$2,800/obo. Thomas, 929-0163.

ARUBA - Marriott/share mstr. suite, 2 bdrm. lockoff, q-bed, sofa bd., sleeps 4, kit., lr, dr, \$1,200; Studio, q-bed, sofa bed, sleeps 4, wet bar, \$700, wk. 11/5-11/12. Bob, 467-5853.

CHESTERTOWN, NY - charming riverfront prop. on Schroon River, 2 bdrm., sleeps 8, stove, dishwasher, w/d, microwave, TV w/dish, DVD/VCR., Dawn, 208-0009.

For Sale

WADING RIVER - 4 bdrm., 2.5 baths Colonial on .8 acre, wooded, priv. N. of 25A. SWR School Dist., \$492,000. 929-4886.

Get to Know Your Lab

Early Risers See Birds, 7:15 a.m., 6/4



Roger Stoutenburgh 02/03/04

On Friday, June 4, at 7:15 a.m., early-bird BNL bird-enthusiasts are invited to gather outside Berkner Hall to join a birding walk. The group will be taken to likely bird haunts by Ernie Lewis of the Environmental Sciences Department. Wear anti-tick clothing and bring binoculars if you can. One bird you may see is an indigo bunting like the one above, photographed in April by Lab Photographer Roger Stoutenburgh. These birds arrive in late April and stay around all summer, nesting on site. All the Lab community is welcome. For more information, call Elaine Lowenstein, Ext. 2400.

O'Malley in Concert at BNL, 6/5



Contemporary folk singer and songwriter James O'Malley will give a concert in Berkner Hall on Saturday, June 5, at 8 p.m. to debut his second CD, titled "If Only In My Dreams." Sponsored by the BNL Music Club, the concert is open to the public. All visitors to the Laboratory age 16 and over must bring a photo ID.

O'Malley has performed at such notable venues as The Brokerage, The Red Cedar Soundstage, Carnegie Recital Hall, and New York City's Town Hall. He has also performed on radio stations WUSB and WBLI and on the college coffeehouse circuit around the nation. O'Malley's musical influences range from Tim Hardin, Bob Dylan and Joni Mitchell to the Beatles, James Brown and Elvis, and he characterizes his music as contemporary folk. Previously a stained glass craftsman, O'Malley is currently a rigging supervisor at Brookhaven Lab.

Tickets for the concert are \$12 each when purchased in advance, and \$15 at the door. Tickets may be purchased at the BERA Sales Office on weekdays, from 9 a.m. to 3 p.m. For more information, call Ext. 3413, or go to www.bnl.gov/bera/activities/music/.

In Appreciation

I want to thank everyone for their expressions of sympathy upon the loss of my mom. Thank you. — Tony Tanza

My deepest appreciation and thanks to everyone who gave support and donations for the fund-raiser for 5-year-old Krystal Schmitt, who had a rare cancer. Krystal passed away unexpectedly on April 30, but BNLers' help has made this painful time less difficult. Thank you. — JoAnn Palumbo

Plant Swap, 6/16

The second annual BNL plant swap will be held on Wednesday, June 16, at the Gazebo in the ball field, 11:30 a.m.-1 p.m. Employees, guests and visitors are welcome to bring in plants, seedlings, and cuttings, as well as take home plants.

Extra! Extra! Now on Your Newsstand!

2004 BNL Water Quality Consumer Confidence Report

Delivered to your mail-stop along with this week's Bulletin is the 2004 BNL Water Quality Consumer Confidence Report.

Published each year as a special edition of the Bulletin, the report provides an overview of BNL's drinking-water quality for the previous year. Last year, as in the past, Brookhaven's drinking water was in full compliance with all county, state, and federal regulations, as is reported.