Bulletin

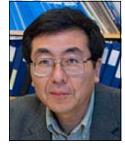


Vol. 62 - No. 17 May 16, 2008

BNL's Light Source Users Earn Prestigious Honors

Chen Wins 2008 Award For Excellence in Catalysis

University of Delaware professor Jingguang Chen — cofounder and a principal investigator of the Synchrotron Catalysis Consortium at the National Synchrotron Light Source (NSLS) — won the 2008 Award for Excellence in Catalysis from the Catalysis Society



Jingguang Chen

of Metropolitan New York. He is recognized "for his work in understanding the physical and chemical properties of bimetallic and metal carbide surfaces, which has inspired new applications of fundamental studies to catalytic and fuel cell processes."

NSF Honors Hirst With Early Career Award

Linda Hirst, NSLS user and Florida State University researcher, received a National Science Foundation (NSF) Faculty Early Career Development grant for using synchrotron light to explore biological processes involving cell membranes. Her project will receive

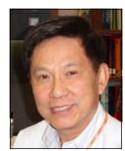


Linda Hirst

about \$573,000 in funding over five years. The NSF offers the awards "in support of the early career-development activities of those teacher-scholars who most effectively integrate research and education within the context of the mission of their organization."

American Geophysical Union Awards Mao With Lehmann Medal

The American Geophysical Union (AGU) has awarded Ho-kwang (Dave) Mao, an NSLS user and researcher for the Carnegie Institution of Washington, the Inge Lehmann Medal of 2007 for his "outstanding contributions to the understand-



Dave Mao

ing of the structure, composition, and dynamics of the Earth's mantle and core." Mao has been a pioneer in high-pressures physics and related technology development for more than 30 years.

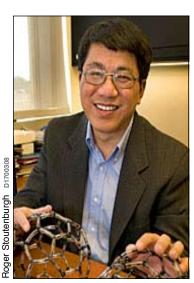
- Kendra Snyder

Battelle Honors Weiqiang Han As BNL's 'Inventor of the Year'

Weiqiang Han, Center for Functional Nanomaterials (CFN), was honored as BNL's "Inventor of the Year" on April 25, in Columbus, Ohio, by Battelle, a global science and technology company that develops and commercializes technology. Battelle and Stony Brook University comprise Brookhaven Science Associates, the company that manages BNL.

Working at the CFN, Han and his team developed a method to make new nanostructures — nanorods of titanium oxide with nanocavities in them. These nanocavities, or empty holes, measure from five to thirty nanometers within the 100-nanometer-diameter titanium oxide rods. (A nanometer is a billionth of a meter.)

To make the nanorods with nanocavities, Han and his coworkers heated titanate nano-



Weiqiang Han

rods in oxygen. This process evaporated water from the material, transforming the titanate to titanium oxide with very densely spaced, polyhedral nano-sized holes inside the material. Theoretically, by controlling the size, distribution and shape of the nanocavities, the titanium oxide can absorb more light than the material without nanocavities. Titanium oxide nanorods with nanocavities may improve on traditional titanium oxide in ultraviolet-absorbing applications by absorbing more light for the same amount of material. Han intends to do further work to test and develop the light-absorbing capability of the material.

"I am excited about the new possibilities for this material," Han said. "This new nanostructure may make titanium oxide much more useful for many applications, including sunscreens, solar panels, hydrogen production and water purification."

The Office of Basic Energy Sciences within DOE funded Han's research. His technology is patented by Brookhaven Sci-

2008 RHIC & AGS Annual Users' Meeting, 5/27–30



The theme for this year's Relativistic Heavy Ion Collider (RHIC) & Alternating Gradient Synchrotron (AGS) Annual Users' Meeting is "Opening the Window on QCD." On Tuesday, May 27, there will be five topical workshops. A special Symposium on "RHIC & Its Impact on Nuclear Science" will take place on Wednesday, May 28, followed by a banquet at Majestic Gardens (reservations required). Two days of plenary sessions will be held, on Thursday, May 29, and Friday, May 30. The plenary program will reflect the achievements and results from RHIC, reports from Washington, Users' Executive Committee (UEC) election results, thesis awards, a poster session, and an Open Forum Meeting with guest speaker U.S. Representative Tim Bishop. The UEC is proud to sponsor a panel discussion on the evening of May 29 entitled, "Diversity in Physics: What Can We Do Better?" All are invited. For more information, visit www.bnl.gov/rhic_ags/users_meeting.

ence Associates and is available for licensing by industry.

Weiqiang Han earned a B.A. in physics and a Ph.D. in materials science and engineering from Zhejiang University, China, in 1985 and 1995, respec-

tively. From 1995 to 1996, he was an engineer at the Chinese Academy of Science's Beijing Vacuum Laboratory. In 1996 he took a postdoctoral position at Tsinghua University in Beijing, (continued on page 3)

RapiData Celebrates 10

ne of the most widely recognized courses at the National Synchrotron Light Source (NSLS) turned 10 this year. Since 1999, students from around the world have gathered at the NSLS every spring for RapiData, a weeklong crash course designed to introduce participants to the best and latest equipment and techniques for macromolecular x-ray crystallography. RapiData allows students to meet and learn from the leading developers of software in the crystallography field, and then to actually use NSLS beamlines to collect data.

This year, 52 students attended the workshop, which was held from April 7-11.

"Since its creation, nearly 500 students have attended this course, and we have constant requests to add more slots," said

Bob Sweet, who came up with the idea for RapiData and organized this year's course along with Alex Soares and Sal Sclafani, all of Biology. "Many RapiData alumni have now blossomed into crystallography experts, and they continue to refer their less-experienced colleagues to BNL to learn the initial steps of this highly specialized area of interest. We regularly

get graduate students of former RapiData students."

The course is offered by BNL's Biology and NSLS departments, and reflects an educational component of the PXRR (Macromolecular Crystallography Research Resource), funded jointly by the National Center for Research Resources — a branch of the

National Institutes of Health — and DOE's Office for Biological & Environmental Research.

X-ray crystallography allows scientists to determine the arrangement of atoms within a crystallized material based on the way x-ray light bounces off its electrons. This is especially important in determining protein structures, which are needed to establish a fundamental understanding of life processes and for developing drugs and treatments for disease.

The course began with a daylong background session taught by Sweet, meant to refresh the knowledge of crystallography fundamentals for less-experienced students. The following two days were filled with lectures and tutorials taught by scientists from BNL, industry, academia, and

other national labs. Next, the students were divided into groups and guided through a marathon, 60-hour data-collection session on six or more NSLS beamlines. At the same time, many tutorials were underway, run by the lecturers themselves. Half of the students brought their own specimens with the goal of solving the structure of a particular enzyme, while the other half observed and helped.

About five or six structures were solved during the course, each of which could be a publishable result, Sweet said. During the data-collection portion of the course, the students gathered each afternoon to discuss their results and produced mini lectures about their data and scientific subject.

"It's always really exciting

to watch the students' skills develop throughout the week," Soares said. "Many of them come here with little or no experience in crystallography and they leave knowing how to obtain and process real data, as well as how to locate and fix problems as they arise. That's the advantage of having such a hands-on program."

In addition to DOE and NIH funding, a special grant was provided by the International Union for Crystallography to assist four Latin American students in attending the course. Additional support was provided by Brookhaven Science Associates, the NSLS, and several equipment vendors and drug companies.

— Kendra Snyder For more information, go to www. px.nsls.bnl.gov/courses/rr_course_ 2008/.



rgh D26204

2008 Joint NSLS/CFN Users' Meeting, 5/19-21



The Joint National Synchrotron Light Source and Center for Functional Nanomaterials Users' Meeting will be held next week, May 19-21. This year's theme is "Renewable Energy." All BNL employees are invited to attend the morning plenary session on Tuesday, May 20, free of charge. For more information, go to www.nsls.bnl.gov/users/meeting/2008/.

The Bulletin May 16, 2008

CALENDAR

OF LABORATORY EVENTS

- days from 9 a.m. to 3 p.m. For more information on BERA events, contact Andrea Dehler, Ext. 3347, or Christine Carter, Ext. 2873.
- Additional information for Hospitality Committee events may be found at the Lollipop House and the laundry in the apartment area
- The Recreation Building #317 (Rec. Hall) is located in the apartment area.
- Contact names are provided for most events for more information.
- 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, 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 Social & Cultural Club Noon-1 p.m., Brookhaven Center, South Alforque, Ext. 4733, alforque@bnl.gov

Mondays & Wednesdays: Pilates 5:15-6:15 p.m. Rec. Hall. Ext. 5090

Mondays & Thursdays: Kickboxing \$5 per class. Noon-1 p.m. in the gym. Registration is required. Ext. 8481

Mon., Thurs., & Fri.: Tai Chi Noon-1 p.m., B'haven Cntr N. Rm. Adam Rusek, Ext. 5830, rusek@bnl.gov

Tuesdays: Hospitality Coffee 10:30 a.m-noon, Rec. Hall lounge. All welcome. Ext. 5090

Tuesdays: BNL Music Club

Noon, B'haven Center, N. Room. Come hear live music. Joe Vignola, Ext. 3846

Tuesdays: Knitting Class 2 p.m. Rec. Hall. All levels of skill. Ext. 5090 for information.

Tuesdays: Jiu Jitsu

6:30-7:30 p.m. Gym. All ages, 6 yrs. to adult. \$10/class, pay as you go. Tom Baldwin, Bldg. 452, Ext. 4556

Tuesdays: Toastmasters

1st & 3rd Tuesday of month, 5:30 p.m., Bldg. 463, Rm 160. Guests, visitors welcome. www.bnl.gov/bera/ac-

Tue., Wed. & Thu: Rec Hall Activities 5:30-9:30 p.m. General activities, TV, ping pong, chess, games, socializing. Christine Carter, Ext. 5090

Tue., Thurs. & Fri.: Ving Tsun Kung Fu Noon-1 p.m., B'haven Center, North Room. Taught by Master William Moy. Scott Bradley, Ext. 5745, bradley@bnl.gov

Tuesday & Thursday: Aerobic Fitness 5:15 p.m., Rec. Hall. 10 classes for \$40 or \$5 per class. Pat Flood, Ext. 7866. flood@bnl.gov

Tuesday & Thursday: Aqua Aerobics 5:30-6:30 p.m., Pool. Ext. 5090

Wednesdays: On-Site Play Group 10 a.m.-noon. Rec. Hall. Infant/toddler drop-in event. Parents meet while children play. Petra Adams, 821-9238

Wednesdays: Ballroom Dance Class B'haven Center, N. Ballroom. Instructor: Giny Rae. Starts September 12

and 19. Ext. 3845 Wednesdays: Weight Watchers

Noon-1 p.m. Michael Thorn, Ext. 8612

Noon-1 p.m., B'haven Center. Free. Ila Campbell, Ext. 2206, ila@bnl.gov

Wednesdays: LabVIEW

1:30-3 p.m., Bldg. 515, 2nd fl. Semi-

nar Rm Free technical assistance from LabVIEW consultants. Ext. 5304

Thursdays: BNL Cycletrons Club Noon-1 p.m., First Thurs. of month. Berkner, Rm. D. Toni Hoffman, Ext. 5257

Thursdays: Reiki Healing Class Noon-1 p.m., Call for location. Nicole Bernholc, Ext. 2027

Fridays: Family Swim Night 5-8 p.m. BNL Pool. \$5 per family

Fridays: Family Gym Night 5-8 p.m. Family gym activities. Free

Fridays: BNL Social & Cultural Club

Noon-1 p.m., B'haven Center, S. Room, free beginners dance lessons. 7-11:30 p.m. N. Ballroom, Dance Social, workshops. Rudy Alforque, Ext. 4733, alforque@bnl.gov

CIGNA Representative

A CIGNA Healthcare representative is available as needed in Human Resources, Bldg. 400, or by phone to assist with claims issues you have been unable to resolve yourself through CIG-NA's Customer Service number (1-800-CIGNA24). Mary Beth Kivlen will be available by appointment only. You will need to provide all pertinent documentation. To schedule, call the Benefits Office, Ext. 5126.

HBCU Faculty, NSLS Staff Collaborate In Developing Synchrotron Curriculum

Professors from the National Synchrotron Light Source (NSLS) and Historically Black Colleges and Universities (HBCU) User Consortium met in early spring to further the involvement of HBCU students and faculty at the NSLS. The Consortium was created last year after a July 19-20 workshop organized by the Office of Educational Programs (OEP) and the NSLS.

In addition to planning for the second annual HBCU-NSLS workshop and touring the experimental floor with NSLS biophysicist Lisa Miller, the group developed the framework for a National Science Foundation (NSF) proposal to create a new curriculum that emphasizes synchrotron research and instrumentation for HBCUs.

"Linking HBCU scientists and engineers with Brookhaven NSLS researchers has the potential to increase awareness of and access to the synchrotron facilities as a research tool to a group that has clearly been absent in this area," said one of the four visitors, Gabriel Gwanmesia, a professor at Delaware State University. "Both the course sequence and the NSLS beam time applications could create a pipeline of synchrotron-x-ray-radiation-savvy African Americans and other underrepresented groups such as Hispanics, Native Americans, and women, prepared from the B.S. to the Ph.D. levels for a spectrum of staff positions or as facility users amongst BNL's workforce.'

Added Orville Bignall, a professor at Tennessee State University, "The proposal has a K-12 focus included, which has the added advantage of ensuring the continuity in diversity in the pipeline and the production of skilled and capable practitioners in the field of synchrotron science."

Gwanmesia and Bignall, with Eric Sheppard, Dean of Engineering at Hampton University, and Elhag Shaban, Professor of Electrical Engineering, Southern University Baton Rouge, also heard about a related graduate program that will host students at the NSLS while they work toward a Master's Degree in Instrumentation at Stony Brook University.

Said Sheppard, "We're excited by our work with BNL's NSLS over the past two years. We see this as a model for how minority serving institutions can create competitive, sustainable research and education programs by teaming with national facilities."

NSLS Chair Chi-Chang Kao was also very positive about the event. "The meeting was very successful," he said. "Many good ideas were generated by the HBCU faculty beyond the original scope of preparing future staff for NSLS and the future NSLS-II. These ideas were well-received by NSF program managers in their follow-up visit to NSF. We are looking forward to working with them to bring these ideas to reality."

During the meeting, which was organized by OEP and the NSLS, the HBCU faculty members also talked to BNL Director Sam Aronson and Associate Laboratory Director for Light Sources Steve Dierker. "This gave the HBCU team the opportunity to learn first hand from Sam and Steve about the Laboratory's support of this initiative," Kao remarked.

Said Noel Blackburn of OEP, "The development of an introductory synchrotron course for undergraduates at HBCUs by the Consortium will excite students about research at the NSLS. However, more importantly, this will assist in creating the next gen-



Visiting the National Synchrotron Light Source (NSLS) with NSLS biophysicist and tour guide Lisa Miller are professors from the Historically Black Colleges & Universities User Consortium: (from left) Orville Bignall, Eric Sheppard, Gabriel Gwanmesia, and (not in picture) Elhag Shaban.

eration of synchrotron scientists and engineers while diversifying the NSLS workforce. OEP continually appreciates the commitment of many members of the BNL staff to mentoring potential new researchers. This makes possible new OEP programs which in turn add value to the scientific community at BNL."

Following the workshop in 2007, several of the consortium members submitted and have been awarded beam time at the NSLS. This development of a synchotron course is another outcome of the workshop last year coupled with the individual

research areas of the professors.

Commented Shirley Kendall, Manager of BNL's Diversity Office, "This program is one among several initiatives in which Laboratory leaders have leaned forward and created opportunities for insuring success in a highly competitive talent market."

Plans are now being made for a second HBCU annual workshop to be held July

> — Kendra Snyder and Liz Seubert

For more information, go to www.nsls.bnl.gov/newsroom/

Smithtown High School East Is Essay Contest Champion



Joining Mitchell Feinberg (center, front row), Lucas Spangher (second from left, back row) and Brittney Vallarella (second from left, front row), first-, secondand third-place winners, respectively, in Brookhaven Lab's 2008 Science and Society Essay Contest, are

mithtown High School East students won • four of eleven prizes in the annual Science and Society Essay Contest sponsored by BNL on April 17. Mitchell Feinberg won the grand prize of \$500, Lucas Spangher won \$300 as the secondplace winner, Brittney Vallarella won \$200 in third place, and John Whalen won a \$50 honorable mention prize. A panel of three independent judges chose the winning essays based on critical thinking, scientific accuracy, creativity and organization. The winners were chosen from 84 entries from 10 Long Island schools.

Other honorable-mention prizes of \$50 each were given to: Michelle Beganskas, East Meadow High School; Alessia Faverio, Smithtown High School West; Daniel Fourman, Ward Melville High School; Harrini Krishnan, Smithtown High

honorable mention winners: (from left, front row) Victoria Ng, Harrini Krishnan, Allesia Faverio, Paige Hempe, and (from left, back row) John Whalen, Michelle Beganskas, Daniel Fourman, and Justin Shanahan.

School West; Paige Hempe and Victoria Ng, both from Newfield High School; and Justin Shanahan, W. T. Clarke High School.

The Science and Society Essay Contest challenges students to think about the purposes and social implications of scientific research. This year, the students were asked to write about how the opposing forces of land development and land preservation could coexist and what role scientific research plays in deciding how land is used.

The Lab's Office of Educational Programs manages the essay contest, and Brookhaven Science Associates, the company that runs the Laboratory for DOE, sponsored the contest prizes. Friends of Brookhaven, a Laboratory employee organization, started the essay contest nine years ago. — Diane Greenberg

Defensive Driving Two Parts: 5/19 & 22

The six-hour Defensive Driving (Point & Insurance Reduction) course will be held in two parts on Monday and Thursday evenings, May 19 and 22, 6-9:15 p.m. Monday's class will be in Bldg. 490, Large Conference Room; and Thursday's class in the Brookhaven Center South Room. The course is open to BNL, BSA, and DOE employees, facility-users, and their families. The cost is \$38 per person. Preregistration is required. To register, call Ed Sierra, 821-1013, and leave a message. Include your phone number. For more information. call Sarah Wiley, Ext. 4207.

Give Blood, 6/17 & 18

BNL will hold a Blood Drive on Tuesday and Wednesday, June 17 and 18, 9:30 a.m.-3 p.m. in the Brookhaven Center. Donors must be 16 to 75 years of age, in good health and weighing over 110 lbs. Restrictions may apply to individuals from the United Kingdom and Europe. Donors should have photo identification and know their social security number. To make an appointment, log on to the Human Resources webpage, click on "Blood Drive" and select "Schedule an Appointment." For more information, call Liz Gilbert, Ext. 2315.

The Bulletin May 16, 2008



'What if We Were All *Mindful*?'

Steve Robbins

o celebrate National Asian ■ Pacific American Heritage Month, the Diversity Office and the BERA Asian Pacific American Association co-sponsored a diversity education talk, "Unintentional Intolerance," that was held in Berkner Hall on May 6. The presenter, Steve Robbins, who humorously calls himself Chief "What If" Officer at S.L. Robbins & Associates, was introduced by Shirley Kendall, the Lab's Diversity Office Manager, and Susan Wong, trustee of the BERA Asian Pacific American Association.

Before starting his presentation, Robbins asked attendees to move to the seats in the front of the auditorium. "Come

Han, Inventor (cont'd)

and, in 1998, he became a postdoctoral associate at the National Institute for Research in Inorganic Materials in Tsukuba, Japan. From 1999 to 2000, he was a Humboldt Research Fellow at the Max-Planck Institute for Metal Materials, in Stuttgart, Germany.

Han came to the U.S. in 2000 to become an associate specialist at the University of California, Berkeley. In 2004, he joined the CFN, where he is currently an associate scientist. — Diane Greenberg

Arrivals & Departures

Arrivals	-
Ronnie Levesque	Plant Eng
Arshad Mahmood	Biology
Sergei Seletskiy	NSLS

- Departures -

None

on down," he suggested. "It's a first step in getting outside your comfort zone." Robbins acknowledged that diversity issues might make people uncomfortable. We may not always know the proper way to interact with people who are unlike us, he said. Learning to adapt and accept differences is the first step in making the world a better place. Everyone has a different perspective on diversity based on personal experiences, and we are often unaware of the biases that guide our decision-making on a daily basis, explained

Using an old-fashioned overhead projector and transparencies that allowed him to write down thoughts and comments, Robbins engaged the attendees and gave examples of how we may unintentionally make people feel "left out." His talk included personal stories to guide listeners to a better personal understanding of complex cultural issues.

"The first and most important step we should take is acceptance of different ideas and cultures. Think: 'what if that person is right?' Most importantly, always be mindful," he said.

To see a video of the talk go to: www.bnl.gov/video/video_list.asp?show=lectures. For more information on Steve Robbins go to: www.slrobbins.com/.

— Jane Koropsak

Scharff-Goldhaber Prize Ceremony, 5/23

he 2008 Gertrude Scharff-Goldhaber Prize will be awarded to Christine Nattrass, a graduate student at Yale University, in a ceremony on Friday May 23rd, at 3 p.m., in the Large Seminar Room of the Physics Department, Bldg. 510. Christine Nattrass will present a short seminar on her research titled "Jets as a probe of the Quark Gluon Plasma." She will be introduced by her thesis advisor, John Harris, Yale. Refreshments will follow the presentation.

The award will be presented by physicist Fulvia Pilat of BNL. The annual Gertrude Scharff-Goldhaber Prize recognizes substantial promise and accomplishment by a woman graduate student in physics. The prize honors the outstanding contributions of the late nuclear physicist Gertrude Scharff-Goldhaber, who, in 1950, became the first woman Ph.D. appointed to the BNL staff, and, later, a founding member of BWIS. The award consists of a certificate and a check for \$1000. The award is administered by Brookhaven Women in Science (BWIS).

BWIS invites the BNL community and the faculty members and graduate students of the Stony Brook University Department of Physics to the award ceremony and reception.

For more information, contact Vinita Ghosh, Ext. 6226.

What's In BERA Store?

The BERA Store in Berkner Hall, open weekdays, 9 a.m. -3 p.m., Ext. 3347, carries many items with the BNL/BSA logo which can be used as gifts or souvenirs. Items available include pads, pens (fancy and plain), pencils, canvas totes, mugs (china or travel), sweatshirts, golf and tee shirts, lanyards, hats, and general merchandise.

Many services and other items are also offered:

You may use cash, check, or credit cards, or charge your BSA Account with approval from your department/ division

Gift Certificates for items in the BERA Store are available in \$10 increments

You may sign up and pay for BERA-sponsored trips and events

European voltage adaptors/ converters

Phone Cards

Health and beauty aids

Discount movie tickets Discount coupons from local merchants and theme parks

One-day guest passes for the Weight Room.

Gardeners, take note:

The Annual Plant Swap will be held at noon outside Berkner Hall on Friday, June 6. Bring your spare plants and swap with others.

To find out about more BERA trips, sports and other activity clubs, such as golf, public speaking, softball, yoga, and many more, see the BERA homepage at www.bnl. gov/bera/.

NYC Bus Trip, 6/1

The Hospitality Committee offers a "do-as-you-like" trip to Manhattan, Sunday, June 1. The coach will leave from the Recreation Bldg. in the apartment area at 9 a.m., drop attendees in the Bryant Park area, and leave Bryant Park at 6 p.m. The cost is \$10 for adults, \$5 for children up to 12. You must reserve in advance with Joanne Rula, jrula@bnl.gov or stop at Staff Services in Bldg. 400.

CALENDAR

- WEEK OF 5/19 -

Mon.-Wed., 5/19-21

*2008 Joint NSLS/CFN Users' Mtg.

Joint National Synchrotron Light Source and Center for Functional Nanomaterials Users' Meeting, theme: "Renewable Energy." All invited to morning plenary session, Tues. 5/22. See www.nsls.bnl.gov/users/meeting/2008/.

Mon.-Fri, 5/19-23

Sleep Screening Week

The Employee Assistance Program of the Occupational Medicine Clinic offers screening for anyone with sleeping problems. Call Ext. 4567 for an appointment.

Monday, 5/19

IBEW Meeting

6 p.m. Centereach Knights of Columbus Hall, 41 Horseblock Rd., Centereach. A meeting for shift workers will be held at 3 p.m. in the union office. The agenda includes nominations for union president and officers

*Defensive Driving, Part I

6-9:15 p.m. Bldg. 490, Large Conference Room. Part I of a two-part course. See notice, p. 2.

Thursday, 5/22

Defensive Driving, Part II

6-9:15 p.m. Brookhaven Center South Room. Part II of a two-part course. See notice on p. 2.

Friday, 5/23

*Scharff-Goldhaber Prize

3 p.m. Physics Department, Bldg. 510, Large Seminar Room. The Gertrude Scharff-Goldhaber Prize will be awarded. All are welcome. Refreshments will follow a short presentation by the winner. See notice, left.

— WEEK OF 5/26 —

Wednesday, 5/28

Brookhaven Lecture Postponed

The Brookhaven Lecture announced for this day has been postponed, to be rescheduled in the fall. The next Brookhaven Lecture will be given on June 25.

Saturday, 5/31

*Project Floyd Concert

8 p.m. Berkner Hall. Project Floyd, a Pink Floyd tribute band, will perform, sponsored by the BNL Music Club. The concert is open to the public. Tickets are \$15 in advance, \$17 the day of the show. Visitors to the Lab of 16 and older must carry a photo ID. See also notice at left.

— WEEK OF 6/9 —

Monday, 6/9

BSA Distinguished Lecture

4 p.m. Berkner Hall. Albert-Lasz-lo Barabasi, Northeastern University will talk on "Network Science: From the Web to human diseases." All are welcome to this free lecture, open to the public. Visitors to the Lab of 16 and older must carry a photo ID.

— WEEK OF 6/23 —

Wednesday, 6/25

BSA Noon Recital

Noon. Berkner Hall. "Pianofest." All are welcome to this free concert, sponsored by BSA.

437th Brookhaven Lecture

4 p.m. Berkner Hall. Michael Rosenthal of the Nonproliferation & National Security Department will talk on a topic to be announced.

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.

Benefit Notes: Qualifying Events

Changes to medical and/or dental coverage may be made during the benefits annual open enrollment. Also, certain changes may be made within either 30 or 60 days of when a qualifying event occurs depending on the event. Qualifying events include: birth or adoption of a child, marriage, divorce or legal separation, loss of dependent status (for instance, graduation, attainment of age limit, or no longer a full-time student), death of a dependent, change in the place of residence or worksite or a spouse's gain or loss of employment. The Benefits Office will need documentation of the qualifying event. If the event results in a loss of coverage, and documentation is submitted within the allotted timeframe, coverage may be continued under COBRA.

For the change in benefits to be approved, the qualifying event must closely relate to the requested change in benefits. For example, if a child is born, a participant may add the child to his/her medical coverage. The participant cannot drop medical coverage at that time.

In addition, depending on the situation, below are some items you may want to update when you have a qualifying event: covered dependents for medical and/or dental coverage, life insurance beneficiaries, retirement plan beneficiaries, tax withholdings on Form W-4, address change, and emergency contact(s).

Employees covering dependent children over the age of 19 as full-time students should be aware that full-time students are only covered over the summer if the student attends classes on a full-time basis for both the Spring and Fall semesters. Otherwise coverage ends on the last day the child attended an accredited college or university on a full-time basis. If there is a possibility that the child may not be in full-time attendance in the Fall, please contact the Benefits Office immediately to discuss continuation of benefits through COBRA. For more information or to make a change to your benefits due to a qualifying event, contact the Benefits Office, Bldg. 400B, Ext. 2877, Ext. 5126 or call (800) 353-5321.

Concert! Project Floyd Performs Pink Floyd, 5/31

Project Floyd, a New York-based Pink Floyd tribute band, will perform in concert on Saturday, May 31, at 8 p.m. in Berkner Hall. Sponsored by the BNL Music Club, the concert is open to the public. All visitors to the Lab age 16 and over must bring a photo I.D.

Project Floyd will perform one of Pink Floyd's most famous albums, "Dark Side of the Moon," in its entirety, as well as other classic "Floyd" songs. The band incorporates the sounds, sights, and character of the original group into a show that should satisfy the palate of even the most discriminating Pink Floyd fan.

The six musicians making up Project Floyd are Joe Mayer, lead vocals and rhythm guitar; Charlie Koci, lead vocals, bass; Dave Ventura, lead guitar, vocals; Andy Fox, keyboard, vocals; Paul Drollinger, keyboard, sound effects; and Mike Straus, drums. The touring and recording group performs an extensive set list from the most popular to the most obscure Pink Floyd songs representing every album.

Tickets for the show are \$15 in advance and \$17 the day of the show. Tickets may be purchased at the BERA Store, through www. ticketweb.com, or at the door. Advance ticket purchase is recommended. For more information, call Ext. 5139.

Borrow-A-Bike Program Starts, 6/2

Beginning June 2, the Quality of Life/BERA/Recreation Office will once again have a limited number of bicycles to lend students and guests. There will be safety requirements to communicate, and a BSA account number with supervisor's signature required, should any damages be incurred. Note that each department may purchase their own bicycles to keep on hand if they consistently have a need. It is an allowable expense. Contact the Recreation Office, Ext. 8481 to check for availability.

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 benefits-eligible employees within the department/division and/or appropriate bargaining unit, with preference for those within the immediate work group; (2) present benefits-eligible 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. Access current job openings on the World Wide Web at www.bnl.gov/HR/jobs/.

To apply for a position, go to www.bnl. gov. Select "Careers at Brookhaven" then "Employment Opportunities."

OPEN RECRUITMENT – Opportunities for Lab employees and outside candidates.

POSTDOCTORAL RESEARCH ASSOCI-ATE - Requires a Ph.D. in energy technology, energy policy, or related cal disciplines with expertise in modeling complex systems. Prior experience in the use of modification of the MARKAL model suite of codes is desirable. Working under the supervision of senior research staff, the selected candidate is expected to provide expertise in developing and applying new models for systems analysis that will be used to implement a new integrated energy/environmental/economic work that incorporates water resource planning, biofuel technology and utilization, and advanced nuclear systems. The candidate will be expected to work closely with Energy, Environmental and Economic Analysis Group staff, other BNL researchers in related fields, and with colleagues from universities to incorporate the latest research from these fields into the framework. Under the direction of P. Friley, Energy Sciences & Technology Department. Apply to Job ID # 14483.

POSTDOCTORAL RESEARCH ASSOCI-ATE - Requires a Ph.D. in nuclear or highenergy physics with experience in lattice gauge theory and numerical analysis. Previous work in finite temperature QCD is highly desirable. Position is with the Lattice Gauge Theory Group. Successful candidates are expected to contribute to the research of the group on topics in lattice-regularized field theory. When applying for this position, please make sure to attach curriculum vitae with a list of publications, and three letters of reference to the Candidate Gateway application. Under the direction of F. Karsch, Physics Department. Apply to Job ID # 14484.

CONTRUCTION ENGINEER/CONVEN-TIONAL FACILITIES (P-9) (Reposting) - Requires a BS degree or equivalent in an engineering, architectural, or science discipline and a minimum of ten (10) years of relevant experience and outstanding knowledge and skill within the construction industry, especially in managing large complex construction projects. Must possess in-depth understanding of construction process especially the operation of a field office and have the ability to read blueprints and possess expert knowledge in the area of construction estimating. Excellent organizational and communication skills required and must be able to establish and maintain a document filing system and be highly skilled with the use of computers. Will be responsible for management of a project field office on a large construction project performing construction management and project oversight as well as assisting the project team to plan, monitor and ensure the project meets all safety, cost, schedule and technical requirements. Additional responsibilities include the review, logging and tracking of submittals, RFIs and various control, and preparation of project reports. National Synchrotron Light Source II. ERAP eligible: \$1,000. Apply to Job ID # 14413.

CIVIL/STRUCTURAL ENGINEER (P-7) - Requires a bachelor's degree in civil or structural engineering and a minimum seven (7) years progressively responsible related work experience in civil/structural engineering and design related to commercial building construction. Master's degree and/or professional licensure is desirable. Experience using AutoCAD is required as is familiarity and documented experience using common structural codes such as AISC Steel Construction Manual, ACI 318, ASCE-7, and the Building Code of NYS. Requires the ability to perform field investigations. As part of the Facility & Operations, Engineering & Construction Services Group, will be responsible for civil/structural engineering and design of building structures and site utilities. Work will also include site planning, foundation design, and soils analysis. Plant Engineering Division. Apply to Job ID# 14478.

Motor Vehicles

99 ISUZU RODEO LS - 4wd, 6cyl, a/t, a/c, cass/cd, c/c, p/w, p/l, dlr maint., excel, 24/19mpg. 117K mi. \$3,950/neg. 734-2593. 96 HONDA CIVIC EX - 4dr., a/c, a/t, p/w, p/l, p/s, abs, am/fm, c/c, rem start, alarm. 170K mi. \$3,200/neg. Ext. 2389 or 751-1224.

95 MERCURY VILLAGER MINIVAN - New motor at 25,000 mi., runs well, well maint, A/C, all power. 170K mi. \$2,400. 739-4845. 93 NISSIAN SENTRA - 4cy., 4 dr, runs well, commuter car. \$600/neg. 375-4343. 91 JEEP CHEROKEE - orig owner, 4 w/dr, ac, 6 cyl, 4 dr, grt for beach use, black w/ grey interior 191K mi. \$1,100. 929-4563.

Roats

2004 VENTURE BOAT TRAILER - Up to 24 ft boat, All Roller Trailer. Dual axle, 4800 pound capac. Excel. \$2,200. Ext. 5436. 3 KAYAKS - vests, paddles, transprt dollies, custm stand. Pics:eternalshadows.com/gallery. Richard, Ext. 5317 or 765-8092. YAMAHA LH S/S PROP - 15.25x19 Saltwater Series II Stainless Prop. Left Hand Rotation. nr. new. \$250. Ext. 5436 or 774-3115.

Furnishings & Appliances

COMPUTER CAB - audio/curio/mission style, oak cabinet v.g. cond., 22x67x19. pic. avail. \$100/neg. Ext. 5090 or 821-2558. FREEZER - Frigidaire, upright type w/ auto defrost, 13.7 cubic ft., like new,

\$150. Richard, 475-0373.

RICE STEAMER - Hamilton Beach, new, \$15; sewing book, Rdr's Digst, gd. cond., \$10; queen metal bedframe, \$25. Ext. 7647.

ROLLING KITCHEN CART - white tile top

caster, 24w x 18d x 33h, \$40. 878-9020. TABLE - rnd, formica, almond, decorative, \$70; twin maple beds, \$90 ea.; entertainment cntr, white, 68wx28dx31h, \$375. 874-3606.

over white and bare wood, cabinet on

TABLE LAMP - Disney Princess, Hampton Bay, 10"w, 15.5h, Snow White, Cinderella, more, princesses light up too. \$39.95. Linda, Ext. 2733 or 395-6784.

WALL UNIT - 3 pc washed oak, 76h x 82w total, glass drs, lighted, TV space 35w x 27h, pics avail., \$75/obo. 734-2593.

Audio, Video & Computers

HDTV - Panasonic TAU, 36" flat screen, silver cab., 2 component inputs, s-video, remote control, \$400. Ext. 3381 or 744-4061.

Sports, Hobbies & Pets

DOG CRATE - for Ig dogs up to approx. 110 lbs. excel cond., grt for training Retrievers, Labs, etc. \$50. Ext. 7465 or 399-3098.

FERRETS - 2 females, 1.5 yrs. old, all papers/shots, w/cage/supplies, orig/\$750, ask/\$150. Denise, Ext. 4289 or 219-8941. PAINTBALL GUN - tank and case, exc. cond., like new, \$200/all, paintballs avail. Lynda or Michael, Ext. 7235.

TREK 730 BICYCLE - green, men's 21" chrome-moly frame, 21 speed, rarely used, excel cond, \$200. Steven, Ext. 7862.

WEIGHT BENCH - Irongrip, adjstbl w/2 safety bars, 2 curl bars, 300 lb wgt set & rack, \$300/neg. Mike, Ext. 3097 or 848-3695.

WETSUIT - 3mm Ocean Ray full jumpsuit for 11-13 yr-old boy. \$30. John, Ext. 3222.

Tools, House & Garden

TABLESAW - Sears, all metal w/2new blades, model No.113221610, \$70; Scroll saw, Delta, 15", Cat. No.40-150 w/home-made table, \$50. Ext. 7647.

Miscellaneous

BIOLOGY BOOK - Student Handbook for Writing in Biology, by Karin Knisely, 2nd ed., 2005. new, \$12. 434-5824.

INFANT STROLLER & CAR SEAT - excel. cond. Stroller foldable. Car seat maximum 18 lb. Ask \$40. Weiming, Ext. 4403. MASSAGING FOOT BATH - Brookstone, unused, great for tired feet, \$10. Ext. 7779. METS TICKETS - Tues & Fri games avail.; 2 seats/game, grt seats; LOGE SEC 7; ROW B; Seats 11 & 12. Face value. 751-7023. ORGANIZER - Sharp Wizard - new,small

- \$25. 281-4459. ORGANIZER - new, Sharp Wizard, small \$25; wall clock, oval, oak, like new, 281-

PICTURE - abstract, peach; frame 46 x 34, peach, pink, acqua, \$50. 281-4459. SPEAKER PHONE - dishes, coffee maker, bread toaster, table lamps, much more. Babu, Ext. 2568 or 344-1086.

WEDDING GOWN - white, straight, beaded w/ train, size 4, elegant, \$200. 281-4459.

Yard & Garage Sales

WADING RIVER - Sat. 5/17, 9-4. 36 Northside Rd. off Sound RD. Household, craft items and much more. 929-4886.

Free

CATS - HELP! please adopt these 2 adorable sm. young females, both have been spayed/vaccinated. Mary, Ext. 3927.

HOT WATER HEATER - gas, 30 gal., u pick up. Ext. 3884.

Wanted

CLASSMATES - For the 1968 Earl L. Vandermeulen High School 4th Reunion - 1966, 67, and 69 classmates are welcome. Susan, Ext. 7647.

CLOCKS - mechanical, wall mantle or desk clocks. Bill, Ext. 8733.

HOSTAS - will dig/divide in your garden. 258-4607.

RIDING LAWN MOWER/TRACTOR - Need a riding lawn mower/tractor in very good cond. Mamta, Ext. 3639 or 355-5631.

TREADMILL - new/used. 516-582-3021. UTILITY TRAILER - 8'-12', open or enclosed. Bobbi, Ext. 2300.

Community Involvement

BARN SALE - Sun., 5/18. Temple Beth Emeth 52 Mt Sinai Av Mt Sinai: toys, electronics, books, housewares, clothes (\$5/bag). 744-8632.

FIRE DEPT GOLF TOURN - Bellport FD Mon June 16 \$135 per golfer Incl. breakfast at FH @ 7:30/lunch/greens fees/cart/ dinner. Ed Reynolds, 286-0273.

For Rent

CHERRY GROVE - vac. rental, full season, mo/wkly, 1 bdrm. studio cottage, priv. ent., deck, a/c, satellite TV, few min walk to ocean. \$1,200/wk. 597-6874.

FARMINGVILLE - Ig. house, share bath w/2; w/1 \$575; incl. cable, wifi, phone. benjil@bnl.gov. \$495/mo. Ben, 513-8275. MASTIC BEACH - 8 Edwards, partially furnished 1-bdrm. upstair apt., pvt. ent., a/c, free cable, walk to grocery store, avail. 5/20 \$700/mo. Yuen, 734-709-7995.

RIDGE - Ig 1 bdrm bsmt apt. in beautiful home. New windows. 2 miles to Lab. Lg Bath. Kitch/LR combo. Office area. Furnished or unfurn. \$1,150/mo. 807-9916.

SAG HARBOR - 1 bdrm. apt. near water, cable/util. incl., no smkg/pets. \$1,250/mo. 921-0475.

SAG HARBOR/NOYAC - yr. round, 1 bdrm. apt. near water, cable/util. incl., no smkg/pets. \$1,250/mo. Bruce, 921-0475. SHIRLEY-1 rm, m/wave kitnet, full bath, sep ent, furn, tv, cac, cable, w/less int, all incl. 1 mo sec, 5 min to stores/beach, 14 min. to Lab, no smkg/pets. \$600/mo. Ext. 8321.

SHOREHAM - Ig. 1 bdrm. w/off. area, Ir/kit. combo, full stove/frig, new bath/carpet/paint/tile, pvt French dr. nnt/prkg., beach commnity, incl. util. \$1,250/mo. 849-6121.

BAREFOOT BAY, FL - retirement community w/18 hole golf course, tennis courts, pools, etc. 2 bdrm, 2 bath home avail. for season. \$1,600/mo. 770-786-4609.

For Sale

BELLPORT - 4-BR. ranch, 2 bth, *l/r* w/dble fp to den, d*l/r*, eik, oak firs, screened deck, laundry rm, fin. bsmt: w/4th BR, bar, full bth, 2 rms; gar., 2 sheds, sprinklers, \$398,000; 949-7797. BELLPORT - 4 bdrm cape, open living plan w/vaulted ceiling, 2 bath, flower/veg. gardens, lg. deck, igp, quiet, walk to stores, bay, 10 mi. to lab. \$585,000, 286-8747.

EAST MORICHES - 3 bdrm. ranch, new windows/ roof/siding/kit. w/granite counters, stainless appli., .25 acre, 15 mins. to lab. \$309,999 Steven, 445-2720.

MILLER PLACE - well maint'd old Field Ranch, 3 bdrm., 1 full bath, I/r, w/fp, Andersen windws, .34 acre level prop., 1.5 car detchd. gar. w/elec. \$320/neg. 241-4166.

ROCKY POINT - house on .59 acre, workshop/gar., move in cond. lots of new carpets etc. 3 bdrm., 1 den, sun porch. Possibility of subdivision \$349,000/neg. Ext. 2305.

SHOREHAM - vill., custom ranch, 3 bdrm, 3 bths, renov. kit, baths, 1 acre borders prkland, wood flrs, pool screen porch, igs, Anderson windows/drs. \$579,899. 744-2404.

MT. HOLLY, VT - 1 acre wooded lot, perked, septic design w/VT permit, town maint. road, 5 min. to Okemo Mtn. Jackson Gore Area. \$50,000. Ext. 3424.

SUMMERVILLE, SC - 3 BR, 2.5 bath twnhse w/loft, 1,659 sq ft, blt '06, immac end unit, mstr suite downstrs, f/p, scr patio, all upgrades, ctrl a/c, pool, \$173,000. Ext. 4567.

On-Site Services

ENTERPRISE RENT-A-CAR - on-site office at Bldg. 355. Wkend specials, daily rates. Ext. 4888 or www.enterprise.com. ON-SITE SERVICE STATION - Is your NYS inspection sticker out of date? We can do NYS inspections, oil changes, new batteries, etc., while you are at work. Ext. 4034.

Services

A complete list of services provided by employees is on the homepage. Services are not checked or recommended by the Bulletin, and some are out of date. If you no longer provide a service, contact 344-2346 or Iseubert@bnl.gov to have it removed. All the services will not fit on this page. If you cannot access the homepage to see the rest, call 344-2346 for a printed or emailed list.

AFFAIRS - need Music! TBSK String Quartet —"We make Memories Musical," avail. for your special affair, reasonable, rates, tbskquartet@aim.com. 981-8053.

AIR CONDITIONING - Free est. on commercial & residential, service contracts, lic. & ins. BNL employee discount. Call soon to reserve spring startups. Chris, 821-4003.

AIRPORT SERVICE - to all airports, NYC, the Hamptons, discount for BNLers, American Express accepted. Anthony, 589-5555.

BABY/ PET SITTING - 16-yr old Jr. from SWR HS will babysit, or take care of your animal(s), in the Shoreham-Wading River area. Lindsay, 744-2095.

BABYSITTER - 25-yr-old German student, responsible, experi. (former AuPair), car avail., seeks part-time job between Stony Brook and BNL. Anne, 937-830-9627.

BABYSITTING - responsible 15-yr.-old Longwood HS student will babysit for you in your home. Samantha, 921-0045. BALLOON BOUQUETS - balloon arrangements for your party, themes, delivery avail, Lab discount. 645-6131.

BARTENDER - Experienced and licensed. Available for parties and events. Brandi, 631-872-2002.

BARTENDER (PRIVATE) - parties, weddings, etc., reasonable, references. Jamie, 807-7899.

BELLY DANCING 101 - Low impact. Encourages muscle strength, flexibility & posture. Weekday classes start 5:45 p.m., Sat. classes. Margaret, 399-1237. BIKE REPAIR - Bike Doctor I I — We make

bine REPAIR - Bike Doctor Li — we make house calls! Mobile bike maintenance, repairs, more. Pick-up, delivery. bikedoctorlongisland@gmail.com. 631-513-9394.

BISQUITS - Treats for your dog. Homemade, all natural. Made when order placed. 325-8434.

BOAT STORAGE - indoor or outdoor, hauling & storage, \$15 per ft. Trailered boats welcome at \$10 per ft. 878-2577.

BUILDING CONTRACTOR - All Design Builders, big or small, residential or commercial, lic., ins., quality work. 445-1582.

CAKES - tiered or not, for all occasions, wedding, birthday, sweet 16, anniversary, etc.. party favors and unity candles, all colors. Debbie, 776-0188.

CAR DETAILING SERVICE - great service, reasonable prices, call for info & appointment. Chris, 960-6243.

CAR DETAILING SERVICE - full service hand wash, wax job, carpet shampoo, call for appointment and pricing. 988-3208.

CAREGIVER - nurse for elderly person, live in or hourly, car, experience, ref. avail. Janina, 516-769-2605.

CARPET CLEANING - Carpet & upholstery cleaning, tile/grout cleaning, flood/smoke/water damage. Mel, 878-8768.

CARPET/VINYL/LAMINATE - Professional installations and repairs, quality sales, service, reasonable rates, 15 years_experience, Lab discount. John, 987-6479. CHERIE UNLIMITED - Sewing & Hemming, custom silk flower arrangements, Swags, wreaths, silver jewelry, dolls, all made to order! Reasonable prices. Cherie, 654-0767.

CHILD CARE - affordable, dependable, stay-at-home Mom will care for your child, fence yard, references avail., Yaphank area. Amy, 924-6393.

CHILD CARE PROVIDER - Former pediatrics nurses aide seeking child care position. References avail. Donna, 398-8024. CHILD CARE SERVICES - For affordable, reliable daycare with flexible hrs (incl. w/ends), and nurturing, safe environment, call Tracy's Caring Child Care, 696-3003. CHILD DAYCARE - Experienced, Certifed, Educated Mom of one will care for your child. Caring, clean, safe environment. Ages K-6, before & after school. 874-4463.

CHILD DAYCARE - Experienced, gentle, educated mother of a 2-yr-old boy will care for up to two more young children during working hours. Affordable! 849-2344.

CHILD CARE - In home, after hours and weekend care by Tutor Time professional. All ages. Refs. Kristen, 631-924-0139.

CHILDREN_S PARTIES - princess/ballet parties, unique interactive dress-up w/ princess costumes/tutus, music, dancing, manicures, games, crafts. 828-4336.
CHIMNEY SWEEP - fire places & oil flues, pre-fab repairs, chase pan tops & chimney caps, reline flues. Mike, 821-5526.

CHOCOLATE! - Communion favors and gifts. Last minute orders are okay. Printed ribbons available. Emily. 265-8960.

CLEANING SERVICE - Faye's II Cleaning Service - residental cleaning at reasonable rates, excellent services. 902-8272. COMPUTER CONSULTING - virus & spyware removal, hardware/software installation and upgrades, general computer maintenance. Courtney, 347-453-5749.

COMPUTER REPAIR - certified and experienced technicians, hardware repair and upgrades, spyware/virus removal. Dan, 928-8389.

COMPUTER REPAIR - Love to fix laptops & PCs. Diagnosis and repair. Restore smooth, fast performance. Upgrades & installations. No charge if not satisfied. 816-1590.

COMPUTER REPAIR - certified PC tech., don't replace your old machine just yet, fast & courteous PC hardware/software service you can trust, call any time. 926-1075.

COMPUTER REPAIR - If your computer has you ready to pull your hair out, contact me. I am avail. 7 days a week. My business is your satisfaction. Jeff, 682-0092.

COMPUTER SERVICE - PC efficiency, recovery, training, spam ctrl., virus removal. www.JasonMendoza.com.

COMPUTER SERVICE - need help with that doorstop, I mean . . . computer? Call "The Geek" for all your hardware, software, training needs. Lee, 547-1548.

COMPUTER SERVICE - Woodlander Tech,

Columbia Univ. tech. major, website design, network install., business/home computer troubleshooting, training. William, 764-8166. COMPUTER SERVICES-ALL - Home & business specialist. New system set ups, tuneups, virus control, lessons from cert. teacher. Refs, reasonable. Jim, 821-2558.

COMPUTER TECHNICIAN - PC troubles? In-home service for diagnosis, repair, upgrades, new PC & home networking, spyware, virus removal, reasonable. 909-3128. COOKIE TRAYS - Assorted & homemade for the holidays or special occasions. Absolutely delicious!! \$30 per tray, 3 dozen + per tray. Carol, 727-7227.

COSMETICS - full array of cosmetic procedures offered. Summer special: Laser Hair Removal: Bikini or Underarms \$99. 758-6565.

CUSTOM PAINTING - All types of paint, spackle. Business or Residential. Lab Discount. Billy, 834-6637.

D.J. WADE MUSIC - all occasions. Cynthia, 286-3545.

DEBT CONSOLIDATION - new mortgages, refinances, Lab discount. Karen, 827-6054.

DECORATIVE GLASS - Beautiful solutions for decorative glass needs, front door, kitchen, bath, skylight, odd-shaped windows, all types glass & designs. 924-8805. DJ ENTERTAINMENT - Prime Time DJ Entertainment, professional DJs and M.C.s for all your party needs. Joe, 413-6953.

DOG BOARDING - East End Boarding Kennel features individual in & outdr. runs, lg. fenced yds., training avail. 288-7292.

DOG GROOMING - MOBILE - We come to you and cover from Massapequa to the Hamptons. Reasonable rates. Call today. Angela, 281-6097.

DOG-SITTING - At your home or mine. Lorraine, 345-3490.

DRIVEWAYS - blacktop, Belgium block, pavers, brick borders, tennis & basket-ball courts, 20 yrs. qual. svc., free estimates. 698-9016.

EARTH SCIENCE TUTOR - NYS cert. rates from \$50 to \$100/hr. depending on location to travel, discount if more than once a week. Brian, 764-4628.

FLIDERIY HOME CARE - concientious

care for your loved one, overnights, days and evenings, 24 hr. care, experienced, references. Paula, 834-6956.
ELECTRICAL CONTRACTING - All phas-

es of residential and industrial electrical work, professional service, free ests, master electrician, lic., ins. Gary, 283-3877. ELECTRICIAL - J R Spano Electric, Inc Master Electrician Owner/Operator JR-

SPANOinc@aol.com Cell 516-250-3127 Fax 369-6190. Ext. 3309. ELECTRICIAN - free estimates, BNL discount, lic., insured. Michael, 379-7387.

ELECTRICIAN - residential electrical work-lighting, outlets, service upgrades, emergency calls, tel., cable, cad5; lic. & ins. Timothy, 331-4683.

ELECTRICIAN - free estimates, licensed & insured, specializing in service changes, more than 25 years_ exp., Swan Electric. 335-3429.

ELECTRICIAN - quality service you can

trust, specializing in service upgrades, home improvements, service calls, indoor/outdoor, Shawn, 516-818-4230. EMBROIDERY - Want something cus-

tom? Call for custom printed and embroidery items — mugs, tiles, mouse pads, hats shirts, jewlery. 220-4368.

FACEPAINTING - Professional Facepainter, you may have seen my booth at all the major fairs on L.I. avail. for your party or

event. Kim, 775-6170.

FAMILY SOCIAL WORKER - Individual, Marital and Family Social Worker 64

Weeks Avenue Manorville, NY 11949. Lauren Greenwald, LCSW, 516-946-0967. FINANCIAL SERVICES - Are you going to outlive your money, or is your money going to outlive you? Call Freedom Tax and

Financial Services. Bruce Style, 585-4000. FISHING CHARTERS - Port Jeff,, 40 yrs. exp, spec. blackfish wreck trips, blues & stripers, 30' boat, 40 mph, 6 pass. max, indiv. accepted, low rates. Capt Greg, 456-0162.

FLOOR STRIPPING - and waxing, any floor, any condition, 8x10 to 10x30 for \$125. Carl, 369-3730.
FRENCHLANGUAGE/HISTORYTUTORING-

(or instruction) by a native speaker(native of Paris, France) \$25/hour. Group discount available. Seb, 619-792-7620. GENEALOGICAL RESEARCH - assis-

tance in family tree and genealogical research, 20+ yrs. exp. Jim, 821-9178. GENERAL CONTRACTING - all phases of construction from start to finish, new

to small renovations. In business for 22 years. 258-8787.
GERMAN CLASSES - Deutsche Sprachschule LI offers classes for German

learners/speaking students of all ages at SUNY Stony Brook. Simone, 929-0043. GIFT BASKETS - Gift baskets for holidays, birthdays, or any need. Reasonable

pricing. Leisa, 988-6691. GIFT BASKETS - custom made for all occasions, beautiful, affordable, local deliv-

ery. Leisa, 491-7928. GLASSBLOWING - Hand made goblets for all occasions. Barry, Ext. 4309 or 974-

Services omited are available as described at the start of the services list.

Bulletin

Published weekly by the Media & Communications Office for the employees, facility users, and retirees of Brookhaven National Laboratory.

Liz Seubert, editor John Galvin, reporter Roger Stoutenburgh, photographer OntheWeb,theBulletinislocatedatwww. bnl.gov/bnlweb/pubaf/bulletin.html. A calendar listing scientific and technical seminars and lectures is found at www. bnl.gov/bnlweb/pubaf/calendar.html. Bldg. 134, P.O. Box 5000 Upton, NY 11973-5000 phone: (631) 344-2345 fax: (631) 344-3368 e-mail: bulletin@bnl.gov