

Expansion Plans Vie With Budget Considerations at NSLS Users' Meeting

From May 21 to May 24, a record-breaking 370 attendees, including 107 students and postdocs, participated in BNL's National Synchrotron Light Source annual Users' Meeting. It featured workshops, vendor exhibits, a poster session, social events, and talks updating the community on progress and plans for the Lab's most prolific research facility.

Excitement about nanoscience, increasing the number of users, and concerns about budgets were recurring themes at the meeting.

"The Light Source has always been a leader at Brookhaven," said Laboratory Director John Marburger in his remarks opening the main meeting on Tuesday, May 22. He also commented that he is "guardedly optimistic" about future expansion of its research programs given recent budgetary challenges.

The Lab Director added, "We are investing in improving the quality of life for users . . . and I am excited about developing facilities for nanotechnology that would be complementary to existing facilities, as well as upgrading existing facilities to expand their capabilities."

Nanoscience center

Richard Osgood Jr., Associate Laboratory Director for Basic Energy Sciences, followed Marburger's welcome by presenting DOE's Nanoscience Initiative. He emphasized that a proposed nanocenter at BNL could foster collaborations with university and industrial partners, as well as interdisciplinary work among scientists at BNL.

Osgood described the proposed center as a building attached to the NSLS that would have a bridge connecting to the Instrumentation Division, Bldg. 535, as well. The center would house laboratory clusters focused on topics such as materials synthesis, nanofabrication, proximal probe microscopy, and ultra-fast optical science.

The interdisciplinary approach — involving chemistry, physics, materials science, instrumentation, and even biology — along with the ability to prepare materials on site, a new beam line, and enhanced ability to make very high-resolution zone plates for x-ray microscopy, will help draw in outside partners, and perhaps also funding, Osgood said.

While the funding picture for nanoscience looks good, Osgood said, he and other speakers stressed the need to help the public and Congress understand the importance of funding the physical sciences in general.

"Public attitudes drive funding," said Pat Dehmer, DOE's Associate Director of Science for Basic Energy Sciences. She emphasized that, while public confidence in scientific leadership has remained fairly stable through the years, it is not based on knowledge of science, which makes that support rather tenuous. "This puts a burden on us to educate the public and Congress," she said, if the budget picture is to improve.

"The NSLS is going to have to operate with a very tight belt in the next year," Dehmer stated.

"The meeting emphasized everything that the NSLS is about: excellent science, participation, and cooperation."
— Users' Executive Committee Chair
Simon Bare



At the May 2001 meeting are: (front, from left) Simon Bare, UOP LLC and Chair, Users' Executive Committee; Patricia Dehmer, Associate Director of Science, DOE's Office of Basic Energy Sciences (BES); John Marburger, BNL Director; (back, from left) Iran Thomas, BES Deputy Associate Director; Richard Osgood, Associate Laboratory Director for Basic Energy Sciences; and Steven Dierker, National Synchrotron Light Source Chair.



The 2001 Users' Meeting Planning Committee are: (front, from left) Mary Anne Corwin, BNL, Chi-Chang Kao, BNL; Lisa Miller, BNL; Nancye Wright, BNL, Daniel Fischer, National Institute of Standards & Technology at BNL; (back, from left) Susan Wirick, Stony Brook University, Simon Bare, UOP LLC and Users' Executive Committee Chair; and Lydia Rogers, BNL.

Yet, she was optimistic about the potential for scientific advances. "We are on the verge of really explosive discoveries in chemistry and materials science," she said.

Steve Dierker, the new NSLS Chair, shared this cautiously optimistic view, emphasizing the quantity and quality of scientific publications coming out of the NSLS. He commented that the capabilities of the NSLS continue to be in strong demand,

with a record 2,551 users in 2000. Even more important, Dierker pointed out, the scientific impact of work done at the NSLS continues to be strong.

Notable successes

Some notable successes of the past year include: determination of the atomic resolution crystal structure of the ribosome; x-ray diffraction measurements that provide new insight into the ori-

gin of ultrahigh piezoelectricity in relaxor ferroelectrics; and near-edge x-ray absorption fine-structure (NEXAFS) studies of "mechanically assembled monolayers" (MAMs), whose surface properties, such as wetting and lubrication, can be tailored for superior performance.

"Our aim must be to continue to develop the Light Source to maintain this excellence and its usefulness to scientists," Dierker stated. However, he continued, "We must do this in the face of several challenges," including an aging infrastructure, the demands of the largest user program of any synchrotron facility, and tight budgets."

New opportunities

With increasingly diverse areas of science recognizing the power of synchrotron radiation, Dierker predicts that the number of users will continue to grow. This growth can open opportunities for collaborative research that can draw in outside funding, such as the NIH-funded structural biology consortium initiated last year. Some research areas he cited that might benefit from this approach included catalysis, materials science, soft matter physics, and studies of magnetic materials.

"Many of these fields would benefit by combining suites of beam lines to provide access to many techniques and mechanisms for rapid access and quick turnaround," he said. Such a setup could also serve a larger number of users and provide for more cost-effective maintenance of facilities.

Dierker also emphasized efforts to expand the user base through partnerships with nearby universities and industries, as well as through educational outreach programs.
(continued on page 2)

Steven Dierker Named NSLS Chair

Steven Dierker, a leader in synchrotron light research and administration, has been named Chair of the National Synchrotron Light Source (NSLS) Department, effective May 7. He succeeds Sam Krinsky, who served as Acting NSLS Chair from October 2000, following the retirement of NSLS Chair Michael Hart.

"Steve Dierker's long career in light-scattering at various laboratories and user facilities and his broad interests make him ideally suited to be NSLS Chair at this time," says Lab Director John Marburger. "He has good ideas about optimizing use of the existing beam lines and a clear vision for future facilities."

One of the world's most widely used and productive scientific facilities, the NSLS has

160 employees and a user-community of about 2,500 researchers a year from more than 400 universities, laboratories, and companies.

Commissioned in 1982, the NSLS has yielded advances in such diverse fields as biology and physics, chemistry and geophysics, and medicine and materials science. Its present annual budget is approximately \$35 million.

As the new NSLS chair, Dierker says his three major goals are to: keep the facility strong, increase the number of users, and pursue future technologies.

To keep the NSLS vibrant, Dierker will be an advocate for developing new applications of synchrotron radiation, updating the facility's scientific capabilities, and improving the 20-year-old building's infrastructure.

To attract additional users, Dierker endorses the concept of forming new communities of users, such as is being done around the protein-crystallography beam lines.

Says Dierker: "We view this as a prototype and so are using it as a model in the fields of, for instance, catalysis, chemical sciences, and environmental and geological sciences. By applying this concept in more fields, we will allow larger numbers of users to have easy and rapid access to a number of beam lines and to a variety of different techniques to solve their scientific problems."

Next generation

"Currently, we are working on a promising next-generation research tool — a free electron laser," continues the new chair. "By combining the advantages of synchrotrons and lasers, this new tool could open up new research avenues."

In addition, Dierker points out, his department is pursuing
(continued on page 2)



Steven Dierker

Cool Connections



Plant Engineering's George Leskody (left) and Mark Toscano are seen on the roof of the Chemistry Department's Bldg. 555, overlooking construction below. The mounds of dirt at ground level, which many BNLers have been navigating around since April, are signs of progress — Bldg. 555 is being hooked up to the Central Chilled Water Facility (CCWF), which is the white tank nestled in the trees on the far right. Faced with an immediate need to replace Chemistry's aging building chillers and related systems, the Plant Engineering Division decided to connect Bldg. 555 to the chilled-water system. The CCWF went into operation in 1989, initially serving six buildings. With this latest connection, the facility now serves ten buildings totaling over 1.1 million square feet, nearly 27 percent of the entire BNL site. Providing water at 42 to 44 degrees Fahrenheit for air conditioning and equipment cooling, the CCWF's chilled water storage capability (the white tank) saves BNL hundreds of thousands of dollars by reducing demand on the Long Island Power Authority electric system.

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 M. Kay Dellimore, Ext. 2873.
- Additional information for Hospitality Committee events can be found at the Lollipop House and the laundry in the apartment area.
- The Recreation Building (Rec. Bldg.) is located in the apartment area.
- Contact names are provided for most events for more information.
- Calendar events flagged with an asterisk (*) have an accompanying story in this week's Bulletin.

— EACH WEEK —

Tuesdays: Welcome Coffee

10-11:30 a.m. Rec. Bldg. Newcomers meet friends. Mimi Luccio, 821-1435.
— Hospitality event

Wednesdays: On-Site Play Group

9:30 a.m.-11:30 a.m. Rec. Bldg. Parents meet while children play. Free, drop in any time. Monique de la Beij, 399-7656.
— Hospitality event.

Wednesdays: Yoga Practice Sessions

12:10-12:50 p.m., Rec. Bldg., free. Ila Campbell, Ext. 2206.

Wednesdays: Weight Watchers

noon-1 p.m., Brookhaven Center South Room, Mary Wood, Ext.5923.

Tues. & Thurs.: Aerobic Dance

5:15 p.m., Rec. Bldg. \$4 per class or \$35 for any ten classes. Pat Flood, Ext. 7886; or Susan Monteleone, Ext. 7235.

— NEXT WEEK —

Monday, 6/11

BERA Golf Outing

7:30 a.m. Tee off at Cherry Creek Golf Links. \$75 per person. Format is two man best ball. Gordon Rawn, Ext. 7095, rawn@bnl.gov.

Hospitality Cooking Exchange

9:30 a.m.-12:30 p.m., Recreation Bldg. \$2 to cover the cost of ingredients. Contact Marcia Leite, Ext. 1040, mhsleite@hotmail.com.

Tuesday, 6/12

Grainger Equipment Demo

11 a.m.-2 p.m., Berkner Hall. Guest manufacturers include Brady Safety, Armstrong, DeWalt Tools. Jim Candemeres, (800) 994-2343, Ext. 87876.

*Money Talks Seminar

Noon, Berkner Hall. "Retirement Planning: Investments & Options Retirement" Joyce Wund, Ext. 7516.

Wednesday, 6/13

Rifle & Pistol Club Meeting

Noon, Bldg. 535A Conference Room. Jim Duman, Ext. 5993, Sue Foster, Ext. 5529, Club hotline, Ext. 2658, or www.bera.home.bnl.gov/clubs/rpc/rpc.html.

Hilti Demo

11 a.m.-2 p.m., Berkner Hall. Concrete anchoring, fire barrier protection, pipe & cable hanging systems, laser products. Frank Sansone, (516) 637-6778.

Thursday, 6/14

Lasik Eye Surgery

noon - 1 p.m., Berkner Hall. Healthline Lecture will be presented by Dr. Scott Sheren. Check your mailbox for registration forms. Mary Wood, Ext. 5923.



David Mullins (left), Oak Ridge National Laboratory; Daniel Fischer, National Institute of Standards & Technology; and Ronald Cavell, University of Alberta.



Martin Blume (left), American Physical Society and BNL; and Anatoly Frenkel, University of Illinois.



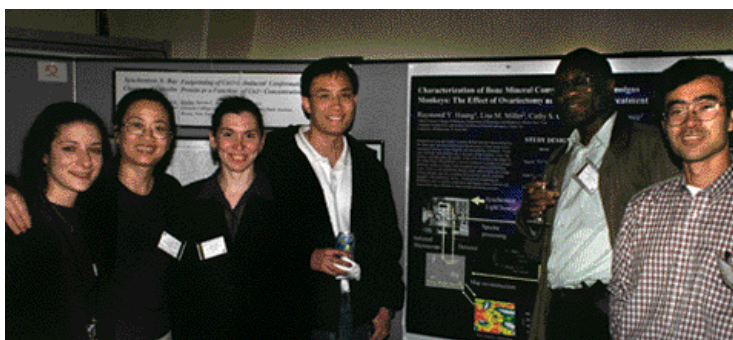
Jingguang Chen (left), University of Delaware, and Stephen Hulbert, BNL.



Kaveh Adib (left), Columbia University; Ping-Chuan Wang, IBM Research; and Steffen Kaldor, IBM Research.



Students and postdocs presented 40 of the 60 posters in the poster session held during the welcome reception on Monday, May 21.



Pam Bromberg (left), Qin He, Jana Kieslar, Raymond Huang, Narcisse Kommas, and Jing-Qu Guan, all of Albert Einstein College of Medicine.



Samuel Krinsky (left), Steve Dierker, Ilan Ben-Zvi, and Peter Paul, all of BNL.



Mark Chance (left), Albert Einstein College of Medicine; Thomas Weber, Director, Division of Materials Research, National Science Foundation.



Doon Gibbs (left) and Peter Bond, both of BNL.



Lew Rubin (left) and Manjul Shah, both of Roper Scientific; and Bob Sweet, BNL.



Stephanie Mann (left), University of Michigan; Michael Marone, University of Massachusetts; Jim Penner-Hahn, U. Mich., and Martin Butterfield, Rutgers University.

Expansion Plans Vie With Budget Considerations at NSLS Users' Meeting

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Machine upgrades

A review of recent and planned upgrades to the NSLS machine was presented at the meeting by NSLS Deputy Chair Sam Krinsky. "At the NSLS there is an active program to continually improve the accelerator and beam-line systems and to add new capabilities," he said.

In recent years the x-ray ring's energy has been increased and emittance reduced. Also, plans exist to install two new in-vacuum undulators in the RF straights. Within the vacuum ultraviolet ring, the orbit stability has been improved by a new digital orbit feedback system, and a new set of infrared beam lines is now on line.

Looking further into the future, Krinsky said, the NSLS is pursuing research and development in free electron lasers and exploring the potential of a new light source based on a photo-injected energy recovery linac.

The meeting's keynote speaker, Jane "Xan" Alexander,

Acting Director of the Defense Advanced Research Projects Agency (DARPA), stated that her agency's funding picture was looking good and that it funds many DOE labs.

DARPA is currently expanding studies that help push the limits of computer technology.

For example, by creating "molecular electronics," such as circuits based on carbon nanotubes, it might be possible to develop computer chips on a scale that is 10,000 times smaller than today's. One idea would be to have these circuits assemble themselves from the molecular level — an alternative to the current "slice-and-dice" method of making chips. "It's a very different way of thinking about the world," Alexander said.

Another different approach would be to develop electronics based on spin rather than charge, which, she said, could yield much faster devices and unbreakable codes.

Workshops, posters

Before and after the main meeting, users attended seven workshops arranged by Dan Fischer, National Institute of Standards & Technology. Topics included: advanced detector development, environmental molecular sciences, catalytic studies, structural biology, nanoscience, EXAFS data modeling, and infrared microspectroscopy.

"This year the users' meeting planning team put special emphasis on the workshops, doubling the budget for each workshop organizer," Fischer said. "This supported many exciting invited speakers, which attracted an overflow attendance beyond our expectations."

At the poster session held on Monday evening during the welcome reception, students and postdocs presented 40 of the 60 posters. "The wide variety of topics presented was representative of the user community at the NSLS," said Lisa Miller, NSLS, who organized the poster session.

Four awards were given for the best student/postdoc posters based on scientific discipline. Winners included: Kaveh Adib of Columbia University, Cecilia Sanchez-Hanke of BNL, Raymond Huang of Albert Einstein College of Medicine, and Zikri Yusof of the University of Connecticut. Each winner received a \$75 American Express gift check. The winning posters will be displayed in the NSLS lobby.

And despite the cool, wet weather, users enjoyed themselves at a Tuesday night luau in Berkner Hall, complete with tropical decorations and cuisine.

"The meeting emphasized everything that the NSLS is about: excellent science, participation, and cooperation — and having some fun in amongst it all. This year's meeting was a tremendous success and illustrates that the NSLS has a very bright future," concluded Users' Executive Committee Chair Simon Bare of UOP LLC.

— Karen McNulty Walsh

Steven Dierker Named National Synchrotron Light Source Chair

(cont'd.)

studies of a new technology called a photon-injected energy recovery linac, or PERL. "A PERL facility would provide a much brighter light source than we have at present," he explained. "It would have ultra-short x-ray pulses capable of imaging ultra-fast chemical dynamics over an extremely short time span, measured in trillionths of seconds."

PERL would require the use of a superconducting linear accelerator, as well as other innova-

tions. "This has become realistic because of the work at BNL's Accelerator Test Facility, which is a world leader in devising new types of accelerators," Dierker says.

Facility-user experience

After earning B.S. degrees in both physics and electrical engineering in 1977 from Washington University, Dierker earned an M.S. and Ph.D. in physics from the University of Illinois, Urbana-Champaign, in 1978 and 1983,

respectively. In 1983, he joined the Semiconductor & Chemical Physics Research Department at AT&T Bell Laboratories (now Lucent Technologies), and, in 1990, he joined the University of Michigan, where he was Professor of Physics and Applied Physics.

Dierker has been an NSLS facility-user since 1992. In initial experiments there, he developed a novel synchrotron technique, x-ray photon correlation spectroscopy, which uses coher-

ent synchrotron beams to study colloidal systems and polymers.

Since 1996, Dierker has been a member of the Advanced Photon Source (APS) Users Organization at Argonne National Laboratory, where he served as chair of that organization from 1998 to 2000. Dierker also helped to plan the construction, design and operation of beam lines at the APS, with funding from DOE and the National Science Foundation.

— Diane Greenberg

Retirees', Old Friends' Get-Together Lunch Now with free musical entertainment, *Spent!*

All retirees and old friends of BNL are invited to attend the get-together lunch organized by the Brookhaven Retired Employees Association (BERA) on Thursday, June 28, at Villa Lombardi, 877 Main Street, Holbrook. The BERA organizers have now arranged for free entertainment to be given at the lunch. *Spent — a Musical Revue About Growing Older in America* includes 21 tongue-in-cheek songs such as *On Top of Arthritis*, *Home with a Gate*, and *Late Life Love*, performed by veterans of Long Island musical productions. The hot-buffet lunch will run from noon to 4 p.m., with a cash bar. Paid reservations at \$25 per person should be made by June 15, absolutely no reservations will be taken at the door. Send a check to BERA, Bldg. 475, Upton NY 11973, with your name, address, phone number, and names of others attending with you.



Gay, Lesbian, and Bisexual Pride Month

During June, the Diversity Office, in cooperation with BERA's Gay, Lesbian, or Bisexual Employees (GLOBE) club, invites the Lab community to view a poster presentation of the biographies and accomplishments of well-known historic figures and their impact on science, the arts, and other fields.

These displays and information about GLOBE can also be found at <http://www.bnl.gov/bera/activities/globe/>.

BERA Events

The following BERA-sponsored events are open to all employees, retirees, facility users, BNL visitors, and their immediate families. Buy tickets from the BERA Sales Office, Berkner Hall, weekdays, 9 a.m.-3 p.m. For more information, call Andrea Dehler, Ext. 3347, or M. Kay Dellimore, Ext. 2873.

Long Island Ducks, Season

Nonrefundable tickets at \$10 each are sold in pairs only, limit 4 per person. Seats are in the second level, row J, 7-10.

Spirit Dinner Cruise, July 3

On Tuesday, July 3, cruise around Manhattan on a luxury yacht, enjoying fabulous views, a hot & cold buffet dinner, live music and entertainment. \$75/person (12 yrs. and older only), includes bus ride also.

NY Mets vs. Red Sox, July 13

See the NY Mets vs. Boston Red Sox on Friday, July 13, from upper box seats. Tickets at \$40 include bus fare. The bus will leave BNL at 4:15 p.m., all attendees will get a free gift.

Foxwoods Casino, July 14

Bus, ferry, bus to Foxwoods Casino, Connecticut, 8:15 a.m.-8:15 p.m., for \$39/person, which includes a \$10 food voucher, two free Keno plays and a \$10 match table play.

Summer Bash, August 10

Join in BERA's summer bash on Friday, August 10, at the Rock Hill Country Club, Manorville. The party will begin at 6 p.m. and the \$15 ticket/person will include a hot buffet 7-8:30 p.m., DJ, and cash bar.

Radio City Show, December 9

Enjoy the holiday extravaganza at Radio City Music Hall in Manhattan on Sunday, December 9. \$99/person includes orchestra seats for a noon-time show, bus fare, and free time in the Rockefeller Center to shop or snack. 9:30 a.m.-5:30 p.m.

Cardio Kickbox Classes

BNLers are welcome to join the Cardio Kickboxing classes, held every Monday and Thursday, from noon to 1 p.m., in the gym, and on Tuesday and Thursday evenings, from 5:15 to 6:15 p.m.

Tuesday evening classes are held in the Gym and Thursday evening classes are held in the Brookhaven Center. There is a \$5 fee per class, and all participants must register by contacting Mary Wood, Ext. 5923.



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/JOBS/jobs.html.

OPEN RECRUITMENT - Opportunities for Laboratory employees and outside candidates.

MK2209. ASSISTANT SCIENTIST (S-1) - Requires a Ph.D. in particle physics, nuclear physics, or nuclear chemistry. Will work in the PHOBOS Heavy-Ion Research Group and take on the technical leadership of the production software, including the interactions of PHOBOS and the RHIC Computing Facility. Under the direction of M. Baker, Chemistry Department.

MK2210. POSTDOCTORAL RESEARCH ASSOCIATE - Requires a Ph.D. Will be responsible for writing off-line analysis software for the PHOBOS experiment, assisting with the day-to-day coordination of the PHOBOS software effort including PHOBOS users and the RHIC Computing Facility. Will also be responsible for strengthening the scientific activity of the group once data is taken. Under the direction of M. Baker, Chemistry Department.

MK3080. POSTDOCTORAL RESEARCH ASSOCIATE - Requires a Ph.D. in the geosciences and a strong background in computer science. Research is aimed at the experimental investigation of the properties of geological material, including microstructure, fractures, and fluid flow at the micrometer size scale using synchrotron radiation-based computer microtomography techniques at the National Synchrotron Light Source. Will work on the development of appropriate research areas in the geosciences and an interest in improving the experimental apparatus and data analysis and visualization methods. Under the direction of K. Jones, Environmental Sciences Department.

DD7529. OFFICE SERVICES ASSISTANT (CW-2) Will perform clerical duties associated with the reception area of the Occupational Medicine Clinic, such as handling of telephone contacts and screening and directing calls. Additional duties will include scheduling lab and medical exams for employees, completing medical charts, and assisting the administrative staff in various projects. Excellent communication and interpersonal skills required. Knowledge of computers including Word and Web Requisition desired. Occupational Medicine Clinic.

Wanted: Books

The Guest Services Program would appreciate gifts of used books, especially children's books, for guests and visitors. Put books in the box marked "Guest Services Book Drive" in Berkner Hall lobby.

Defensive Driving

A six-hour defensive driving course will be offered on Saturday, June 23, 9 a.m.-3:30 p.m., in Berkner Hall, Room B. The course is open to BNL, BSA and DOE employees, BNL facility-users, and their families, at \$23 per person. To register, send a check to Empire Safety Council, care of Scott Zambelli, P.O. Box 670, Mount Sinai, NY 11766. All checks must be received by June 16. Include your phone number in case you need to be contacted.

U.S. Open Bus Trip

A few seats remain on the BERA bus trip to the U.S. Open Tennis Championships at the National Tennis Center, Queens, on Tuesday, September 4, with 8:30 a.m. departure from BNL, 7:30 p.m. departure from the Tennis Center. The per-person cost of \$58 includes the day-session ticket of \$43, bus fare and a tip for the driver. Buy tickets at the BERA Sales Office, weekdays, 9 a.m. to 3 p.m.

Arrivals & Departures

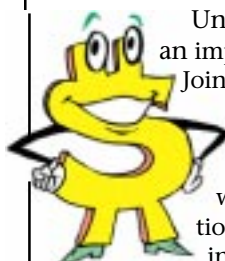
Arrivals

Yury Blyakham Physics
Alessandro Braver Physics
Eun-Joo Kim Physics
Jianqi Li Engy Sci & Tech.
Sunirmal Paul Biology
Zhangbu Xu Physics
Zhen-Hui Zhang Chemistry

Departures

Charles W. Baldwin C-A
Orazio Barone Plant Eng.
Oscar E. Blevins Plant Eng.
Magalie Bruneus Medical
Paraskevas D. Demetriou C-A
Ralph Meves Reactor
Vincent Polywoda Rad. Ctrl.
Sijin Qian Physics
E. James Schermerhorn ... S&H Svcs.
Frank Zambriski Plant Eng.

Money Talks Seminar, 6/12



Understanding your retirement plan options is an important part of planning your financial future. Join TIAA-CREF next Tuesday, June 12, at noon in Berkner Hall for the one-hour seminar, "Retirement Planning: Investments and Options at Retirement." A representative from TIAA-CREF will discuss withdrawals, minimum distributions, survivor benefits, and annuities. For more information, contact Mary Wood, Ext. 5923.

Calendar

Thursday, 6/14 cont'd.

BERA Bridge Club

7 p.m., Berkner Hall cafeteria
Morris Strongson, Ext. 4192,
mms@bnl.gov.

— WEEK OF 6/18 —

Tuesday, 6/19

Blood Drive

9:30 a.m.-3 p.m., Brookhaven Center. Volunteers, ages 17-75, in good health, weighing over 110 lbs. can donate blood. Photo ID, social security number needed. For more information, contact Sue Foster, Ext. 2888, or donateblood@bnl.gov.

Wednesday, 6/20

Divorced & Separated Support Group

noon-1 p.m., Berkner Hall,
Room D. Mary Campbell, Ext.
4776, maryc@bnl.gov.

Weight Watchers Registration

Noon, Brookhaven Center.
\$89 for 10 weeks. Contact
Mary Wood, Ext. 5923.

Brookhaven Lecture

4 p.m., Berkner Hall. Gene-Jack Wang, Medical Department, "Brain Changes in Obese Subjects."

Thursday, 6/21

BERA Bridge Club

7 p.m., Berkner Hall cafeteria
Morris Strongson, Ext. 4192,
mms@bnl.gov.

Friday, 6/22

Women Engineers' Lunch Networking Meeting

Noon, Berkner Hall, Room A.
Arlene Zhang, Ext. 5369.

Saturday, 6/23

*Defensive Driving Class

See notice on page 3.

— WEEK OF 6/25 —

Monday 6/25

Hospitality Cooking Exchange

9:30 a.m.-12:30 p.m., Recreation Bldg. \$2 to cover ingredients. Contact Marcia Leite, Ext. 1040, mhsleite@hotmail.com.

IBEW Meeting

6 p.m., Knights of Columbus Hall, Railroad Ave., Patchogue. A meeting for shift workers will be held at 3 p.m. in the union office. The agenda includes regular business, committee reports, and the president's report.

— WEEK OF 9/24 —

Fri. - Sun., 9/28-30

Gauley River Rafting Trip

Bus leaves 6 a.m. Friday. \$300 includes bus, rafting, hotel, most meals, lunch on river, more. \$100 deposit. Wally Hughes, Ext. 4180 or Bozie Sing, Ext. 5350.

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. Please enter the 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.



The Bulletin: Hot Off the Press

After it is written, edited, and laid out in a design, all the news that's fit for The Bulletin must be printed. Though all their names do not appear in the masthead each week, a production team from the Information Services Division's Photography & Graphic Arts (P&GA) service areas makes the publication and distribution of the Lab's weekly newspaper possible.

The A-to-Z, computer-aided production process yields approximately 7,500 copies of each issue of The Bulletin, which are delivered hot off the press every Friday to on-site newsstands (also known as mail stops) and to home-delivery "subscribers" off site, including BNL retirees, DOE program managers, local

government officials, and members of the news media.

Production of The Bulletin does not end after printing and distribution. Each month, production team members meet with Bulletin editor Liz Seubert and reporter John Galvin to discuss Bulletin quality, lessons learned, and goals and objectives to meet in the future. The core team includes Photography's Roger Stoutenburgh, Joseph Rubino, and Michael Herbert; Graphic Design's Theresa Esposito; and Offset Printing's Neal Jackson, Leon Lawrence, and Kevin Hester, with Supervisor Rick Backofen. In addition, photographs are occasionally taken by Peter Horton, Photography, and Alex Reben, Video.



In the photographs above, Photography & Graphic Arts (P&GA) staff are: (from top left corner, counter clockwise) • (center) Roger Stoutenburgh, Photography • Neal Jackson, Offset Printing (OP) • Kevin Hester, OP • (from left) Howie Jones, retired; Jack Laurie, retired; Terry Jones, P&GA; Bill Marin, Photography Supervisor; Peter Horton, Michael Herbert, and Joseph Rubino, all of Photography, with Mahendra Kahanda, now of the Chemistry Department • (from left) Copy Service's Kelly Backofen, Maryellen McCabe, Supervisor Joe Hanson, Jerry Gaeta, Norman McIntosh, and Tina Walsh • Leon Lawrence, OP • (from right) Theresa Esposito, Patricia Yalden, and Lisa Jansson, all of Graphic Design, with client Avraham Dilmanian, Medical Department • Alex Reben, Video.
Photos on this page are by Roger Stoutenburgh

Photography & Graphic Arts Invites All to Open House, June 12



Graphic Design



Copy Service



Printing



Scanning



Photography



Video

The open door, which you may have spotted in the two previous Bulletins, represents the Open House to be held on Tuesday, June 12, by the Information Services Division's Photography & Graphic Arts (P&GA).

That day, from 10 a.m. to 3 p.m. in Bldg. 197B, P&GA warmly invites the Lab community to see examples of the quality work done by its creative professionals for many satisfied Lab clients, and to discover new ways to use P&GA's expertise and technical capabilities to produce communications pieces in support of Lab projects.

As visitors will learn, the five service areas of P&GA — copy service, design, photography, offset printing, and video (see above) — produce photos, posters, videos, brochures, forms, conference packages, reports, report covers, and newsletters. They



work in collaboration with customers to develop cohesive, high-impact publications individually or as part of a total campaign or conference package. Visitors are also invited to see how the Lab printing press works, pick up some giveaway samples, enjoy refreshments, and, perhaps, discuss ideas for creative projects with P&GA's staff.

Says Mary White, who manages ISD, "Many of our scientific and support staff find that P&GA's work gets immediate, positive attention because of its professional quality. Their messages are communicated more effectively, thereby achieving clients' programmatic objectives."

She adds, "We are holding this Open House not only to display our talents, but also to encourage the use of our services by new and existing customers to benefit their programs and the entire Lab."